



**UW50 UTENSIL  
WASHER  
(208-240/60/3)  
TECHNICAL MANUAL**

**SPECIFICATION SHEET  
INSTALLATION INSTRUCTIONS  
OPERATION INSTRUCTIONS  
CLEANING INSTRUCTIONS  
MAINTENANCE INSTRUCTIONS  
TROUBLE SHOOTING INSTRUCTIONS  
WIRING DIAGRAMS  
CATALOG OF REPLACEMENT PARTS  
SMARTPARTS™ USER GUIDE  
RECOMMENDED SPARE PARTS LIST**

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**HOBART**701 S Ridge Avenue, Troy, OH 45374  
1-888-4HOBART • www.hobartcorp.com**UW50  
UTENSIL/PAN WASHER****HOBART****STANDARD FEATURES**

- 2.1 gallons of water per rack (booster equipped models)
- 19 racks per hour
- Timed wash cycles for 2, 4 or 6 minutes
- Stainless steel tank, tank shelf, chamber, trim panels, frame and feet
- Solid state heat controls
- Front loading, split-door configuration
- Flat-bottomed, stainless steel frame rack, with one flat grid rack and two tray support racks
- Chamber accepts 16 full-sized sheet pans, or 140-quart mixing bowl
- Two upper and two lower revolving, debossed non-clogging stainless steel wash arms
- Two upper and lower revolving stainless steel rinse arms
- Heavy-duty door and door hinges
- Large, removable stainless steel scrap screen and scrap bucket
- Choice of 10 KW electric, steam injector/steam coil or gas tank heat
- Adjustable wash cycle timer
- Stainless steel front panel
- Integrated detergent connections
- Top-mounted dial thermometers
- Door actuated drain closer
- Heavy-duty 5 H.P. motor
- Door interlock switch
- Corrosion-resistant impeller
- Timed fill
- Positive low water protection
- Spray hose (standard on electric booster heater equipped models only)

**VOLTAGE**

- 208/60/3
- 240/60/3
- 480/60/3

**MODEL**

- UW50

**OPTIONS AT EXTRA COST**

- 10 KW electric tank heat
- Natural or LP gas tank heat
- 14 KW electric booster heater
- Vent fan control
- Steam injector or steam coil tank heat

**ACCESSORIES**

- Power vent fan kit
- Drain water tempering kit
- Rack insert for 30" trays
- Spray hose assembly (field installed for non-booster equipped machines only)
- Operator training video
- 20" x 20" peg or combination racks

Specifications, Details and Dimensions on Inside and Back.

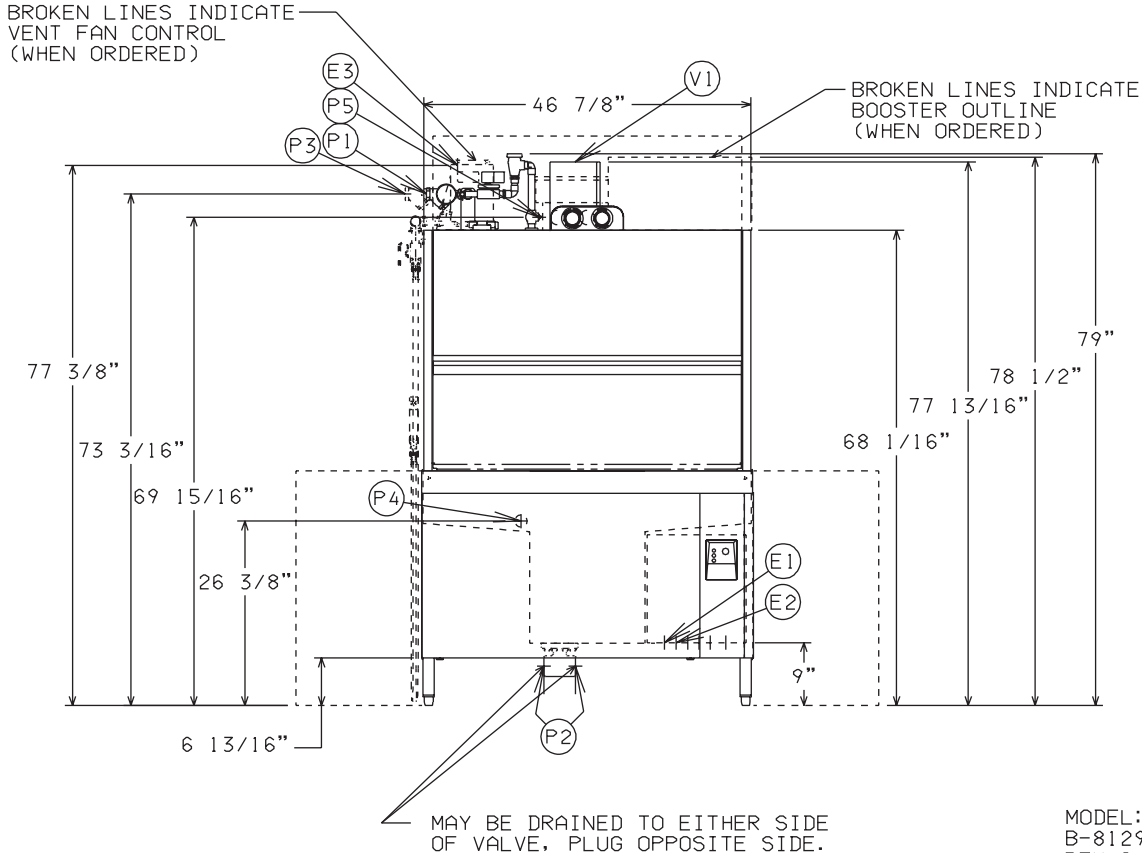
**UW50 UTENSIL/PAN WASHER**

# UW50 UTENSIL/PAN WASHER



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## DETAILS & DIMENSIONS – ELECTRIC



MODEL: UW-50  
B-812969  
REV C  
PER SECTION H

### PLUMBING NOTES:

WATER HAMMER ARRESTOR (MEETING ASSE-1010 STANDARD OR EQUIVALENT) TO BE SUPPLIED (BY OTHERS) IN COMMON WATER SUPPLY LINE AT SERVICE CONNECTION.  
RECOMMENDED WATER HARDNESS TO BE 4-6 GRAINS FOR BEST RESULTS.  
RECOMMENDED BUILDING FLOWING WATER PRESSURE TO THE DISHWASHER IS 20-25 PSI. IF PRESSURES HIGHER THAN 25 PSI ARE PRESENT, A PRESSURE REGULATING VALVE MUST BE SUPPLIED (BY OTHERS) IN THE WATER LINE TO THE DISHWASHER.  
PRESSURE REGULATOR FURNISHED WHEN ELECTRIC BOOSTER IS ORDERED.  
FOR CONVENIENCE WHEN CLEANING, WATER TAP SHOULD BE INSTALLED NEAR MACHINE WITH HEAVY DUTY HOSE AND SQUEEZE VALVE.

### MISCELLANEOUS NOTES:

ALL DIMENSIONS TAKEN FROM FLOOR LINE MAY BE INCREASED BY UP TO 1-1/8" WITH LEG ADJUSTMENT.  
NET WEIGHT OF MACHINE: 640 LBS. W/O BOOSTER  
DOMESTIC SHIPPING WEIGHT: 782 LBS. W/O BOOSTER  
NET WEIGHT OF MACHINE: 704 LBS. W/ BOOSTER  
DOMESTIC SHIPPING WEIGHT: 846 LBS. W/ BOOSTER  
SHIPPING DIMENSIONS:  
60" X 38" X 83" HIGH.  
SIZE OF RACKS:  
40-7/8" X 22-7/8" X 4-1/8"  
DRAIN LEVER LOCATED INSIDE TANK.

### CONNECTION INFORMATION (\*AFF - ABOVE FINISHED FLOOR)

#### LEGEND

- E1 ELECTRICAL CONNECTION (INCLUDING ELECTRIC HEAT) 1-1/4" CONDUIT HOLE, 9" AFF.
- E2 ELECTRICAL CONNECTION-DETERGENT/RINSE AGENT FEEDERS: 1/2" CONDUIT HOLE: 9" AFF
- E3 ELECTRICAL CONNECTION-VENT FAN CONTROL (WHEN ORDERED): 3/4" CONDUIT HOLE: 77-3/8" AFF
- P1 COMMON WATER CONNECTION: 180°F WATER MIN. 3/4" FPT. 73-3/16" AFF.
- P2 DRAIN: 2" FPT. 5-5/8" AFF TWO CONNECTIONS.
- P3 COMMON WATER CONNECTION WITH BOOSTER (WHEN ORDERED): 140°F MIN. 3/4" FPT. 73-3/16" AFF.
- P4 DETERGENT PROBE SENSOR: REMOVE CAP AND STUD ASSEMBLY TO ACCESS 7/8" HOLE, 26-3/8" AFF
- P5 RINSE AGENT FEEDER: 1/8" NPT. REMOVE 1/8" NPT PIPE PLUG TO ACCESS TAPPED HOLE: 69-15/16" AFF.
- V1 VENT EXIT: 7" X 11" X 10" HIGH TO ALLOW FOR EXPANSION OF AIR. (NEED NOT BE CONNECTED TO EXTERNAL VENT); IF REQUIRED, VENT HOOD TO PROVIDE 400 CFM EXHAUST.

SINGLE POINT ELECTRIC CONNECTION UW-50 WITH 10KW ELECTRIC HEAT (CONTROLS AND SHP PUMP MOTOR)			
ELEC. SPECS.	RATED AMPS	MINIMUM SUPPLY CIRCUIT CONDUCTOR CAPACITY	MAXIMUM OVERCURRENT PROTECTIVE DEVICE
208/60/3	50.3	70	70
240/60/3	46.2	60	60
480/60/3	23.5	30	30

SINGLE POINT ELECTRIC CONNECTION UW-50 WITH 10KW ELECTRIC HEAT AND 14KW ELECTRIC BOOSTER (CONTROLS AND SHP PUMP MOTOR)			
ELEC. SPECS.	RATED AMPS	MINIMUM SUPPLY CIRCUIT CONDUCTOR CAPACITY	MAXIMUM OVERCURRENT PROTECTIVE DEVICE
208/60/3	89.2	100	100
240/60/3	79.9	100	100
480/60/3	40.4	50	50

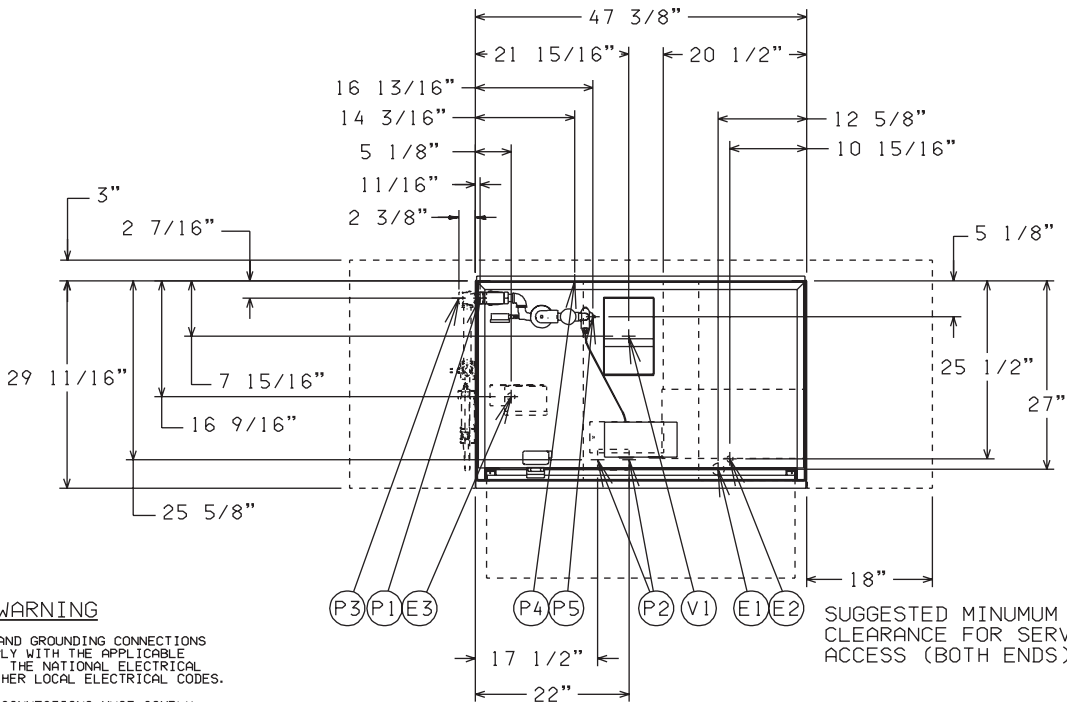
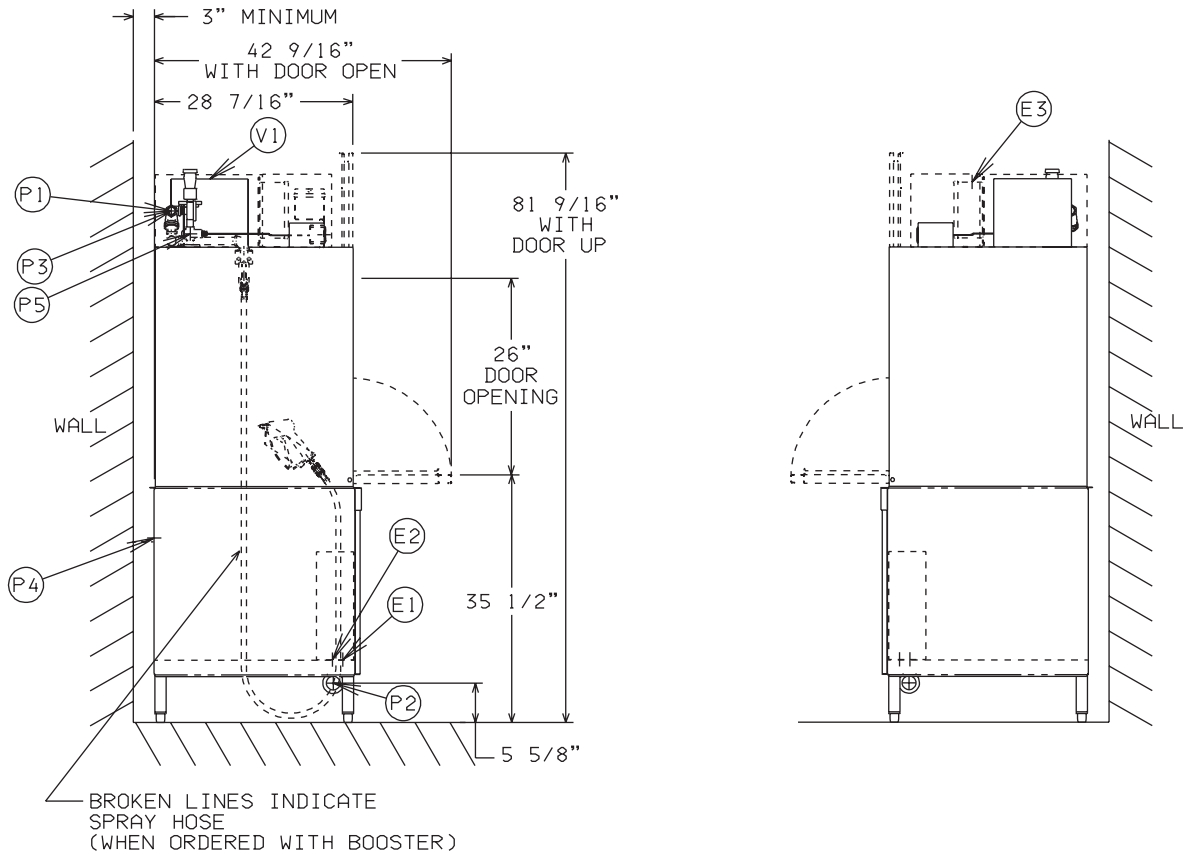
⚠ FOR SUPPLY CONNECTION USE WIRES SUITABLE FOR AT LEAST 90°C OR EQUIVALENT.



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# UW50 UTENSIL/PAN WASHER

## DETAILS & DIMENSIONS – ELECTRIC



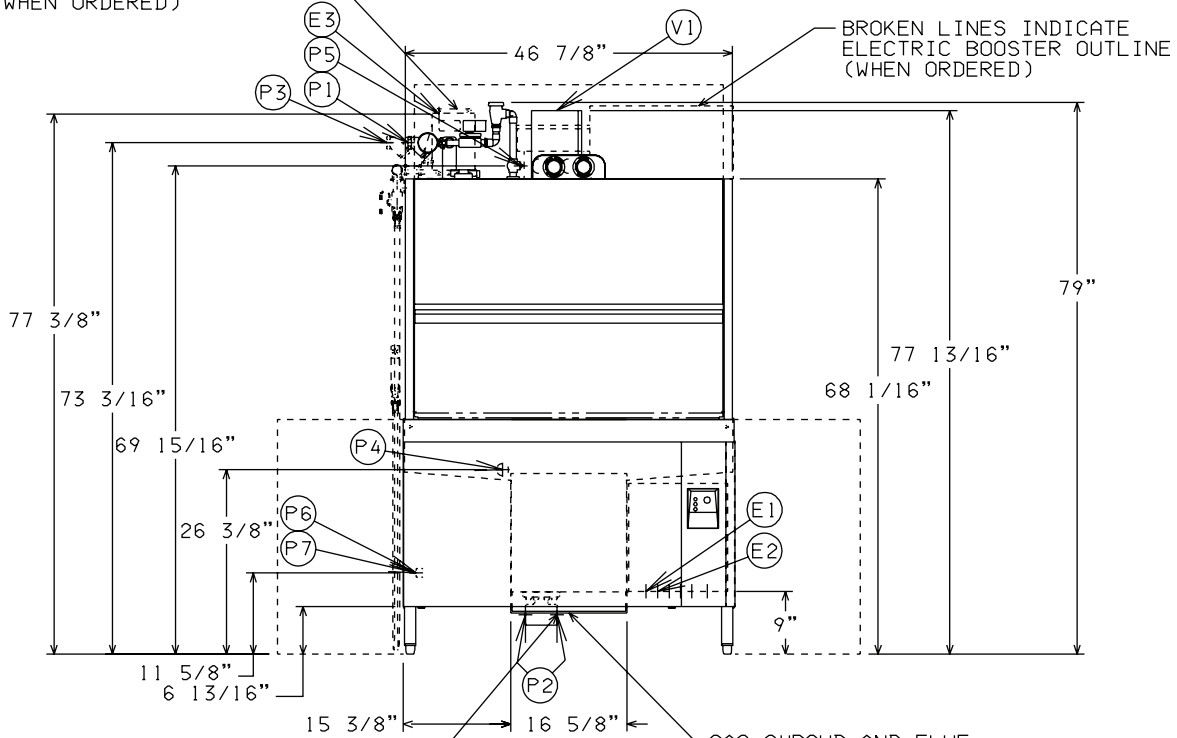
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## DETAILS & DIMENSIONS – GAS

BROKEN LINES INDICATE  
VENT FAN CONTROL  
(WHEN ORDERED)



BROKEN LINES INDICATE  
ELECTRIC BOOSTER OUTLINE  
(WHEN ORDERED)

### GAS HEATED DISHWASHERS

FOR NATURAL GAS, PRESSURE TO THE BURNER (CUSTOMER CONNECTION) SHOULD NOT EXCEED 7" W.C.  
FOR LIQUIFIED PETROLEUM GAS, PRESSURE TO THE BURNER (CUSTOMER CONNECTION) SHOULD NOT EXCEED 11" W.C.  
IF GAS PRESSURE IS HIGHER THAN 7" OR 11" W.C., A PRESSURE REGULATING VALVE MUST BE INSTALLED (BY OTHERS) IN THE GAS LINE TO THE DISHWASHER  
GAS HEAT BTU INPUT - 47,000 NATURAL  
47,000 PROPANE

WHEN GAS TANK HEAT IS SPECIFIED, GAS EXHAUST VENTING MUST BE INSTALLED ACCORDING TO LOCAL CODE. DO NOT CONNECT FLUE TO POWER VENT.

### PLUMBING NOTES:

WATER HAMMER ARRESTOR (MEETING ASSE-1010 STANDARD OR EQUIVALENT) TO BE SUPPLIED (BY OTHERS) IN COMMON WATER SUPPLY LINE AT SERVICE CONNECTION.  
RECOMMENDED WATER HARDNESS TO BE 4-6 GRAINS FOR BEST RESULTS.  
RECOMMENDED BUILDING FLOWING WATER PRESSURE TO THE DISHWASHER IS 20-25 PSI. IF PRESSURES HIGHER THAN 25 PSI ARE PRESENT, A PRESSURE REGULATING VALVE MUST BE SUPPLIED (BY OTHERS) IN THE WATER LINE TO THE DISHWASHER.  
PRESSURE REGULATOR FURNISHED WHEN ELECTRIC BOOSTER IS ORDERED.  
FOR CONVENIENCE WHEN CLEANING, WATER TAP SHOULD BE INSTALLED NEAR MACHINE WITH HEAVY DUTY HOSE AND SQUEEZE VALVE.

### MISCELLANEOUS NOTES:

ALL DIMENSIONS TAKEN FROM FLOOR LINE MAY BE INCREASED BY UP TO 1-1/8" WITH LEG ADJUSTMENT.  
NET WEIGHT OF MACHINE: 640 LBS. W/O BOOSTER  
DOMESTIC SHIPPING WEIGHT: 782 LBS. W/O BOOSTER  
NET WEIGHT OF MACHINE: 704 LBS. W/ BOOSTER  
DOMESTIC SHIPPING WEIGHT: 846 LBS. W/ BOOSTER  
SHIPPING DIMENSIONS:  
60" X 38" X 83" HIGH.  
SIZE OF RACKS:  
40-7/8" X 22-7/8" X 4-1/8"  
DRAIN LEVER LOCATED INSIDE TANK.

GAS SHROUD AND FLUE  
THIS AREA MUST BE KEPT CLEAR  
OF ALL PIPING.

MAY BE DRAINED TO EITHER SIDE  
OF VALVE, PLUG OPPOSITE SIDE.

### CONNECTION INFORMATION (\*AFF - ABOVE FINISHED FLOOR)

#### LEGEND

- E1 ELECTRICAL CONNECTION (MOTOR & CONTROLS): 1-1/4" CONDUIT HOLE, 9" AFF.
- E2 ELECTRIC CONNECTION-DETERGENT/RINSE AGENT FEEDERS: 1/2" CONDUIT HOLE: 9" AFF
- E3 ELECTRIC CONNECTION-VENT FAN CONTROL (WHEN ORDERED): 3/4" CONDUIT HOLE: 77-3/8" AFF
- P1 COMMON WATER CONNECTION: 180°F WATER MIN., 3/4" FPT, 73-3/16" AFF.
- P2 DRAIN: 2" FPT, 5-5/8" AFF TWO CONNECTIONS.
- P3 COMMON WATER CONNECTION WITH ELECTRIC BOOSTER (WHEN ORDERED): 140°F MIN., 3/4" FPT, 73-3/16" AFF.
- P4 DETERGENT PROBE SENSOR: REMOVE CAP AND STUD ASSEMBLY TO ACCESS HOLE: 26-3/8" AFF
- P5 RINSE AGENT FEEDER: 1/8" NPT, REMOVE 1/8" NPT PIPE PLUG TO ACCESS TAPPED HOLE: 69-15/16" AFF.
- P6 GAS CONNECTION - NAT.: 1/2" FPT, 11-5/8" AFF.
- P7 GAS CONNECTION - L.P.: 1/2" FPT, 11-5/8" AFF.
- V1 VENT EXIT: 7" X 11" X 10" HIGH TO ALLOW FOR EXPANSION OF AIR. (NEED NOT BE CONNECTED TO EXTERNAL VENT); IF REQUIRED, VENT HOOD TO PROVIDE 400 CFM EXHAUST.

SINGLE POINT ELECTRIC CONNECTION UW-50 WITH GAS HEAT (CONTROLS AND 5HP PUMP MOTOR)			
ELEC. SPECS.	RATED AMPS	MINIMUM SUPPLY CIRCUIT CONDUCTOR AMPACITY	MAXIMUM OVERCURRENT PROTECTIVE DEVICE
208/60/3	21.4	30	30
240/60/3	18.6	25	25
480/60/3	9.6	15	15

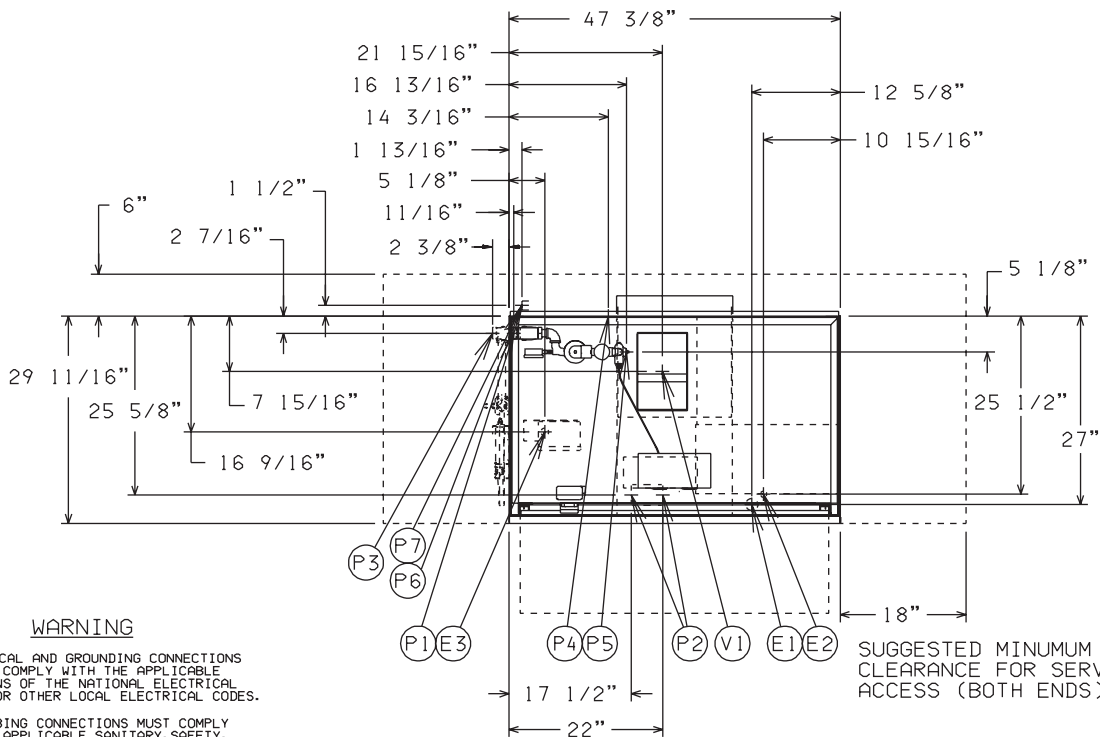
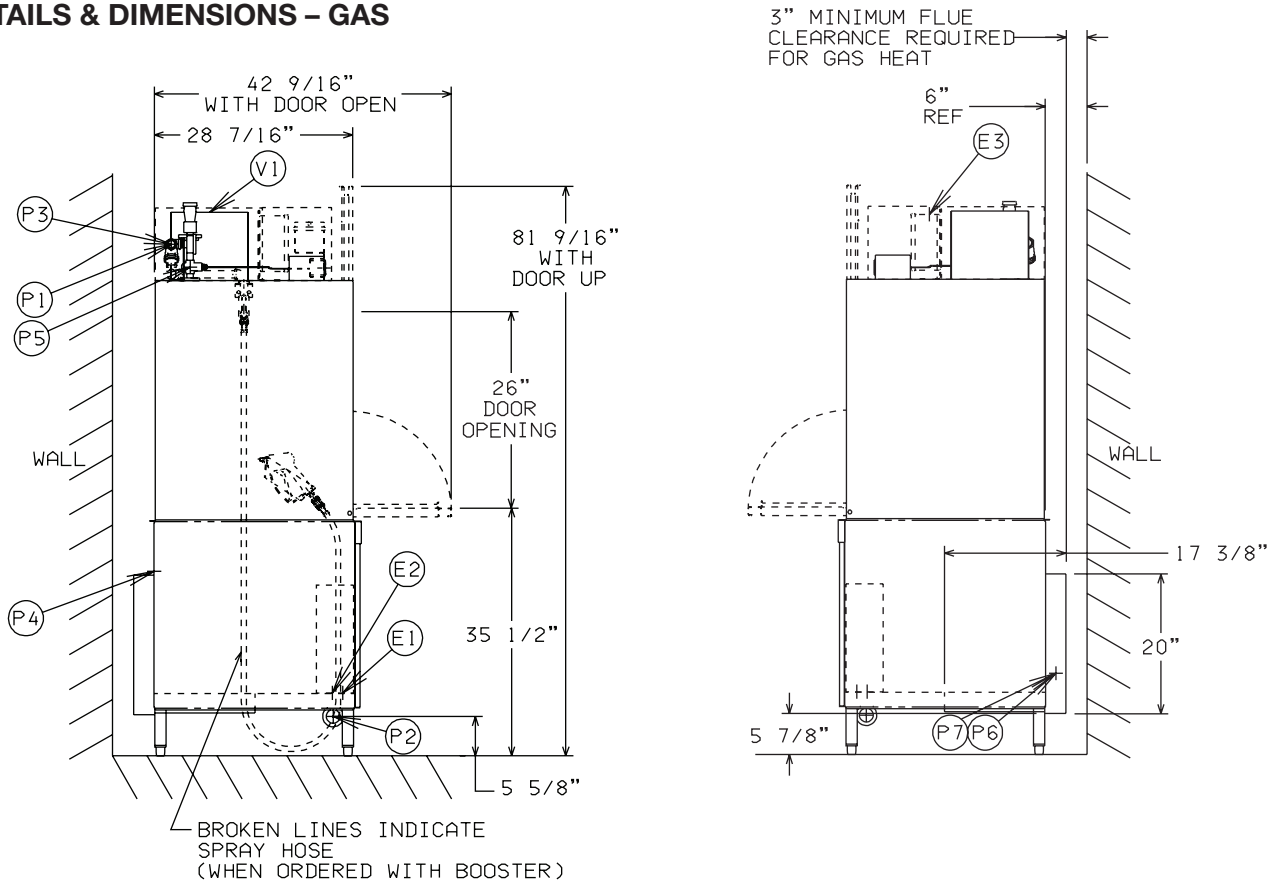
SINGLE POINT ELECTRIC CONNECTION UW-50 WITH GAS HEAT AND 14KW ELECTRIC BOOSTER (CONTROLS AND 5HP PUMP MOTOR)			
ELEC. SPECS.	RATED AMPS	MINIMUM SUPPLY CIRCUIT CONDUCTOR AMPACITY	MAXIMUM OVERCURRENT PROTECTIVE DEVICE
208/60/3	60.3	80	80
240/60/3	52.3	70	70
480/60/3	26.4	35	35



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# UW50 UTENSIL/PAN WASHER

## DETAILS & DIMENSIONS – GAS

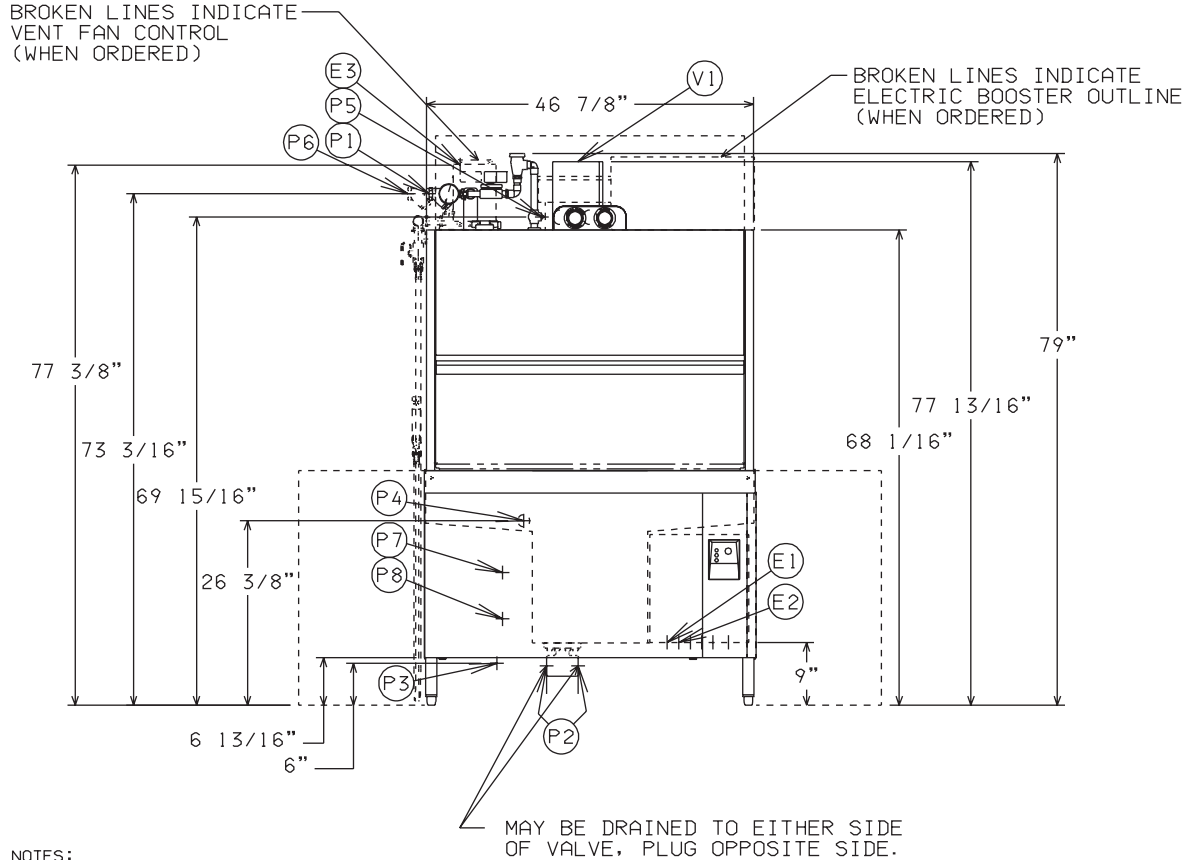


# UW50 UTENSIL/PAN WASHER



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## DETAILS & DIMENSIONS – STEAM INJECTOR/STEAM COIL



### PLUMBING NOTES:

- WATER HAMMER ARRESTOR (MEETING ASSE-1010 STANDARD OR EQUIVALENT) TO BE SUPPLIED (BY OTHERS) IN COMMON WATER SUPPLY LINE AT SERVICE CONNECTION.
- RECOMMENDED WATER HARDNESS TO BE 4-6 GRAINS FOR BEST RESULTS.
- RECOMMENDED BUILDING FLOWING WATER PRESSURE TO THE DISHWASHER IS 20-25 PSI. IF PRESSURES HIGHER THAN 25 PSI ARE PRESENT, A PRESSURE REGULATING VALVE MUST BE SUPPLIED (BY OTHERS) IN THE WATER LINE TO THE DISHWASHER.
- PRESSURE REGULATOR FURNISHED WHEN ELECTRIC BOOSTER IS ORDERED.
- FOR CONVENIENCE WHEN CLEANING, WATER TAP SHOULD BE INSTALLED NEAR MACHINE WITH HEAVY DUTY HOSE AND SQUEEZE VALVE.
- FLOWING STEAM PRESSURES ABOVE 50 PSI MUST HAVE A PRESSURE REGULATOR (NOT SUPPLIED) INSTALLED IN THE STEAM LINE
- SHUT OFF VALVE MUST BE SUPPLIED (BY OTHERS) IN THE STEAM LINE TO THE DISHWASHER

### MISCELLANEOUS NOTES:

- ALL DIMENSIONS TAKEN FROM FLOOR LINE MAY BE INCREASED BY UP TO 1-1/8" WITH LEG ADJUSTMENT.
- NET WEIGHT OF MACHINE: 640 LBS. W/O BOOSTER  
DOMESTIC SHIPPING WEIGHT: 782 LBS. W/O BOOSTER
- NET WEIGHT OF MACHINE: 704 LBS. W/ BOOSTER  
DOMESTIC SHIPPING WEIGHT: 846 LBS. W/ BOOSTER
- SHIPPING DIMENSIONS:  
60" X 38" X 83" HIGH.
- SIZE OF RACKS:  
40-7/8" X 22-7/8" X 4-1/8"
- DRAIN LEVER LOCATED INSIDE TANK.

### CONNECTION INFORMATION (\*AFF - ABOVE FINISHED FLOOR)

#### LEGEND

- E1 ELECTRICAL CONNECTION (MOTOR & CONTROLS): 1-1/4" CONDUIT HOLE, 9" AFF.
- E2 ELECTRICAL CONNECTION-DETERGENT/RINSE AGENT FEEDERS: 1/2" CONDUIT HOLE; 9" AFF
- E3 ELECTRICAL CONNECTION-VENT FAN CONTROL (WHEN ORDERED): 3/4" CONDUIT HOLE; 77-3/8" AFF
- P1 COMMON WATER CONNECTION: 180°F WATER MIN., 3/4" FPT, 73-3/16" AFF.
- P2 DRAIN: 2" FPT, 5-5/8" AFF TWO CONNECTIONS.
- P3 STEAM INJECTOR: 10 TO 25 PSI FLOWING, 50 PSI MAX.; 3/4" FPT; 6" AFF.
- P4 DETERGENT PROBE SENSOR: REMOVE CAP AND STUD ASSEMBLY TO ACCESS 7/8" HOLE, 26-3/8" AFF
- P5 RINSE AGENT FEEDER: 1/8" NPT, REMOVE 1/8" NPT PIPE PLUG TO ACCESS TAPPED HOLE; 69-15/16" AFF.
- P6 COMMON WATER CONNECTION WITH ELECTRIC BOOSTER (WHEN ORDERED): 140°F MIN., 3/4" FPT, 73-3/16" AFF.
- P7 STEAM COIL : 10 TO 25 PSI FLOWING, 50 PSI MAX., 3/4" FPT, 19" AFF.
- P8 CONDENSATE RETURN: 10 TO 50 PSI FLOWING, 3/4" FPT, 12-3/8" AFF. (BUCKET TYPE TRAP FURNISHED).
- V1 VENT EXIT: 7" X 11" X 10" HIGH TO ALLOW FOR EXPANSION OF AIR. (NEED NOT BE CONNECTED TO EXTERNAL VENT); IF REQUIRED, VENT HOOD TO PROVIDE 400 CFM EXHAUST.

SINGLE POINT ELECTRIC CONNECTION UW-50 WITH STEAM HEAT (CONTROLS AND SHP PUMP MOTOR)			
ELEC. SPECS.	RATED AMPS	MINIMUM SUPPLY CIRCUIT CONDUCTOR AMPACITY	MAXIMUM OVERCURRENT PROTECTIVE DEVICE
208/60/3	20.3	25	25
240/60/3	17.6	25	25
480/60/3	9.2	15	15

SINGLE POINT ELECTRIC CONNECTION UW-50 WITH STEAM HEAT AND 14KW ELECTRIC BOOSTER (CONTROLS AND SHP PUMP MOTOR)			
ELEC. SPECS.	RATED AMPS	MINIMUM SUPPLY CIRCUIT CONDUCTOR AMPACITY	MAXIMUM OVERCURRENT PROTECTIVE DEVICE
208/60/3	60.3	80	80
240/60/3	52.3	70	70
480/60/3	26.4	35	35

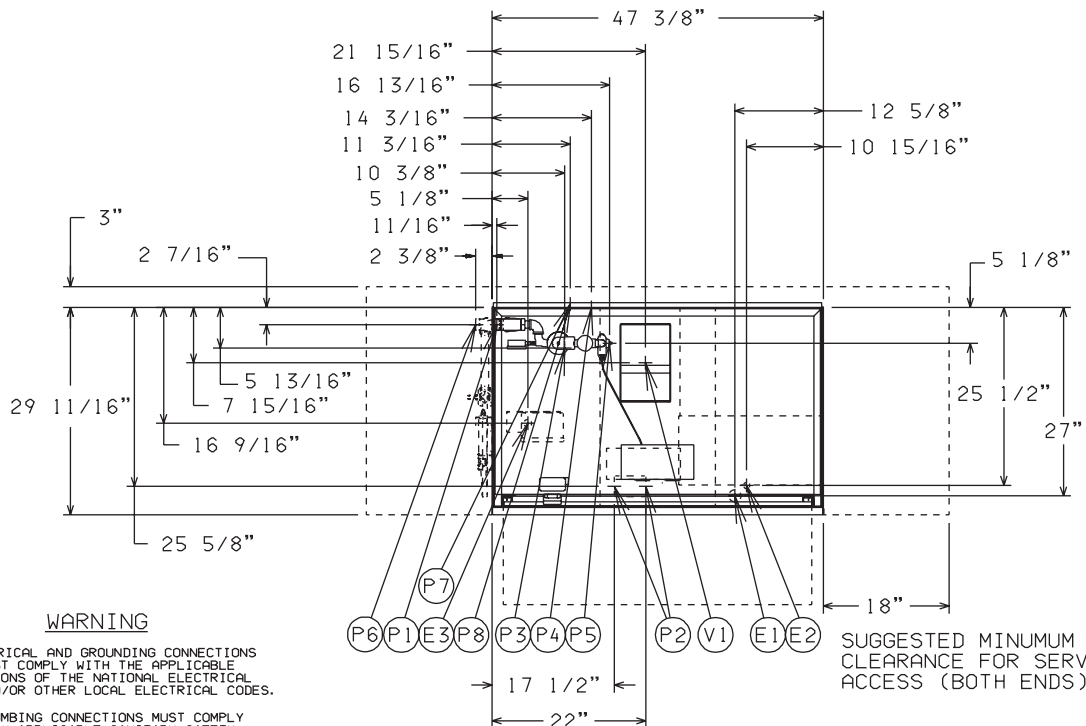
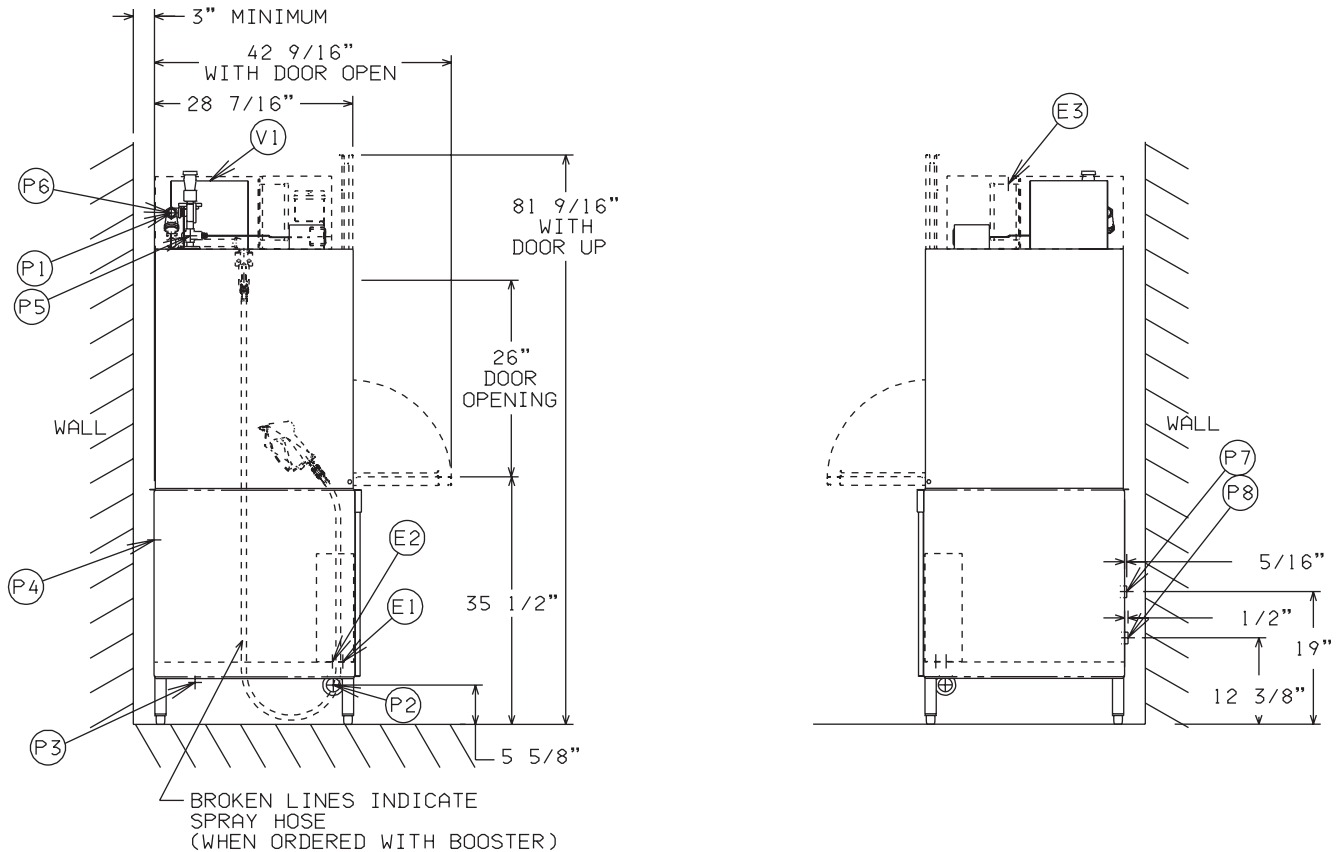




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# UW50 UTENSIL/PAN WASHER

## DETAILS & DIMENSIONS – STEAM INJECTOR/STEAM COIL



# UW50 UTENSIL/PAN WASHER



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## SPECIFICATIONS

**DESIGN:** Heavy-duty, fully automatic, front-loading utensil/pan washer with large split door system. Upper door section slides upward as the lower door section is pulled down. Stainless steel pull-out rack allows easy loading for large utensils and pans. Three variable wash cycles ensure thorough cleaning and sanitizing.

**CONSTRUCTION:** Stainless steel tank and hood, frame, legs and adjustable feet. Front enclosure panel standard.

**PUMP:** Cast iron pump integral with motor, Ni-Resist impeller, horizontally mounted. Pump capacity 343 gpm.

**MOTOR:** 5 H.P., available in 208/60/3, 240/60/3, or 480/60/3 configurations. Factory sealed lubrication, drip proof with sealed ball bearings. Thermal overload protection.

### RACKS PER HOUR:

Wash Cycle	Racks/Hr.
2 minute	19
4 minute	12
6 minute	9

**WASH CYCLE:** Complete automatic operation. Cycle may be interrupted any time by opening door. The selected cycle will restart from the beginning when door is closed again.

Upper and lower revolving stainless steel wash arms, with computer designed, debossed, anti-clog wash nozzles, direct high pressure wash flow to all soiled surfaces.

Large, sloping, perforated, removable stainless steel scrap screens direct food soils to a deep perforated stainless steel scrap basket.

Scrap basket and strainer easily removed.

**RINSE CYCLE:** 180°F final sanitizing rinse through two upper and two lower revolving stainless steel rinse arms. Rinse arms removable without tools.

### WATER USAGE PER RACK:

- 2.1 gallons per rack (booster equipped models)
- 2.2 gallons per rack (non-booster equipped models)

**RACKING:** Standard rack assortment consists of one flat-bottomed frame rack, one flat grid insert rack, and two tray support insert racks. External rack dimensions are 40 $\frac{7}{8}$ " wide, 22 $\frac{7}{8}$ " deep, and 4 $\frac{1}{8}$ " high.

Standard flat-bottomed frame rack also accepts (2) 20" x 20" combination or peg racks per cycle.

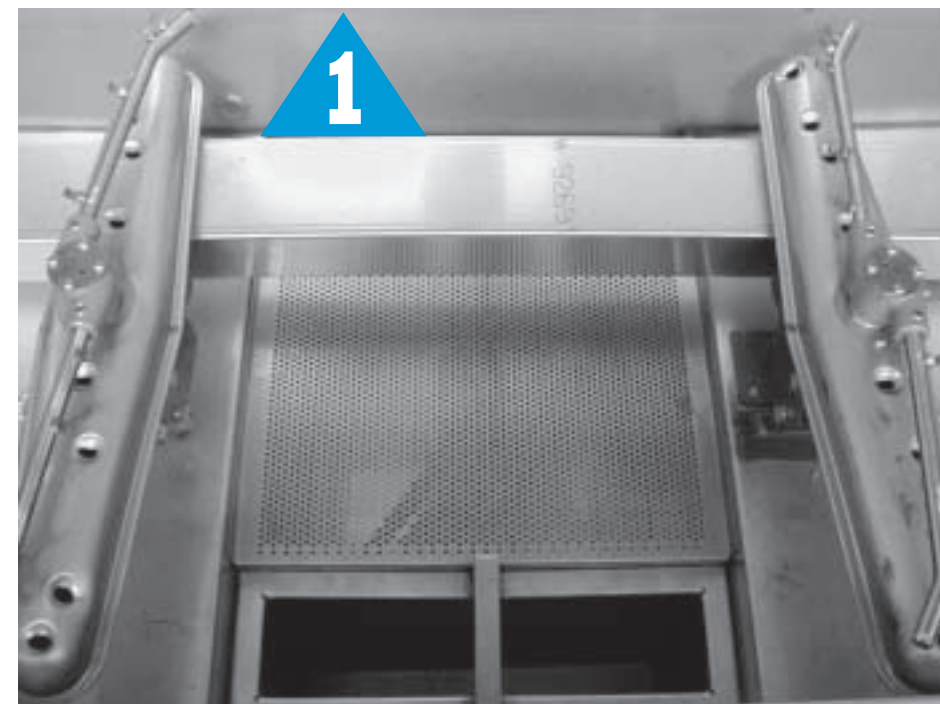
**SPECIFICATIONS:** Listed by Underwriters Laboratories Inc., NSF International and CUL.

As continued product improvement is a policy of Hobart, specifications are subject to change without notice.

# UW50 WAREWASHING

## To Operate:

- 1** Place strainer pan and scrap basket into position in the dishwasher tank.
- 2** Close the access door (automatically closes drains).
- 3** Turn selector switch to **FILL** and press start.
- 4** Open door to reset and load utensils on rack as necessary, slide rack into machine and close the door.
- 5** Change selector to desired wash cycle length (2, 4, or 6 minutes).
- 6** Press **START**.



## To Stop:

- 1** Open machine door.
- 2** Turn selector to **OFF** position.

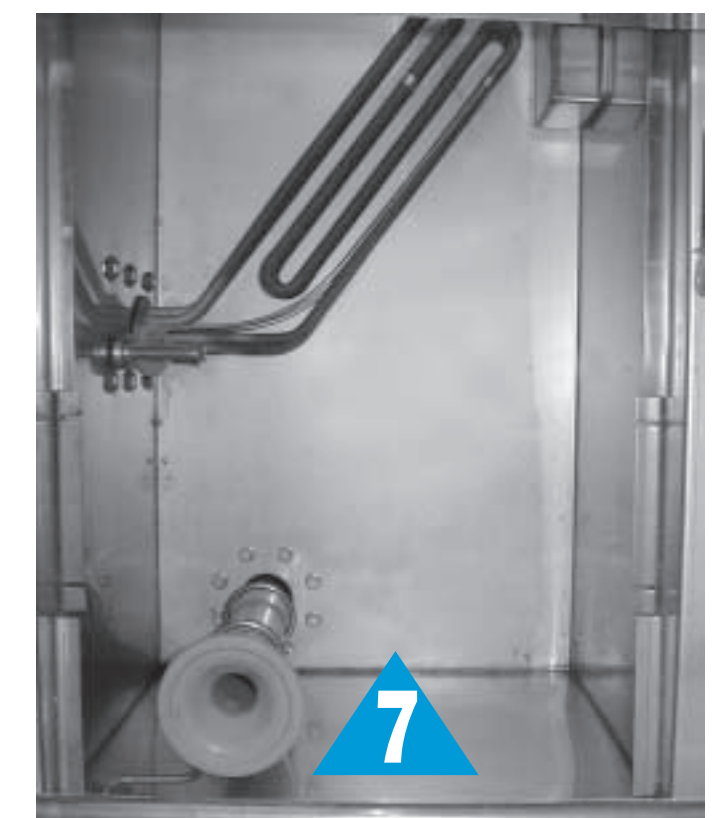
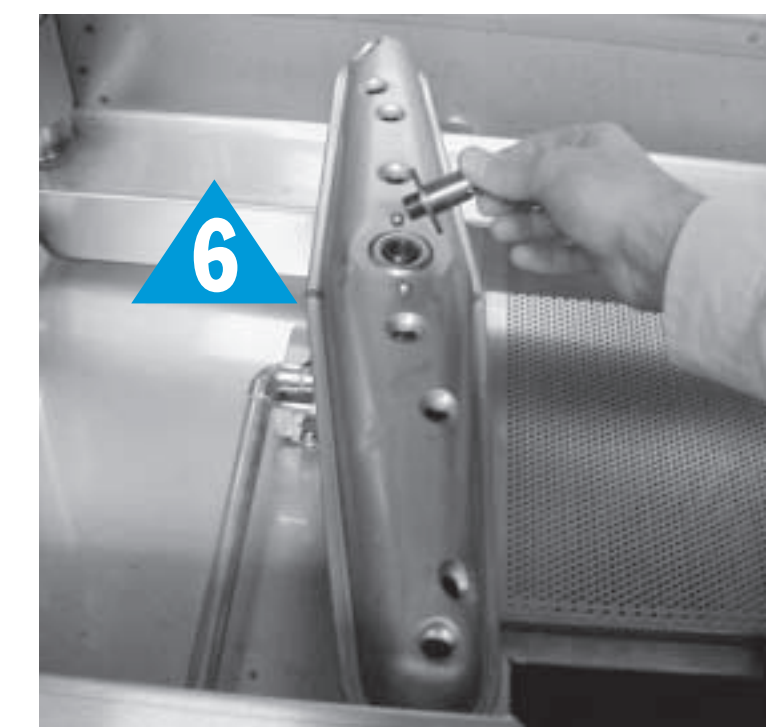
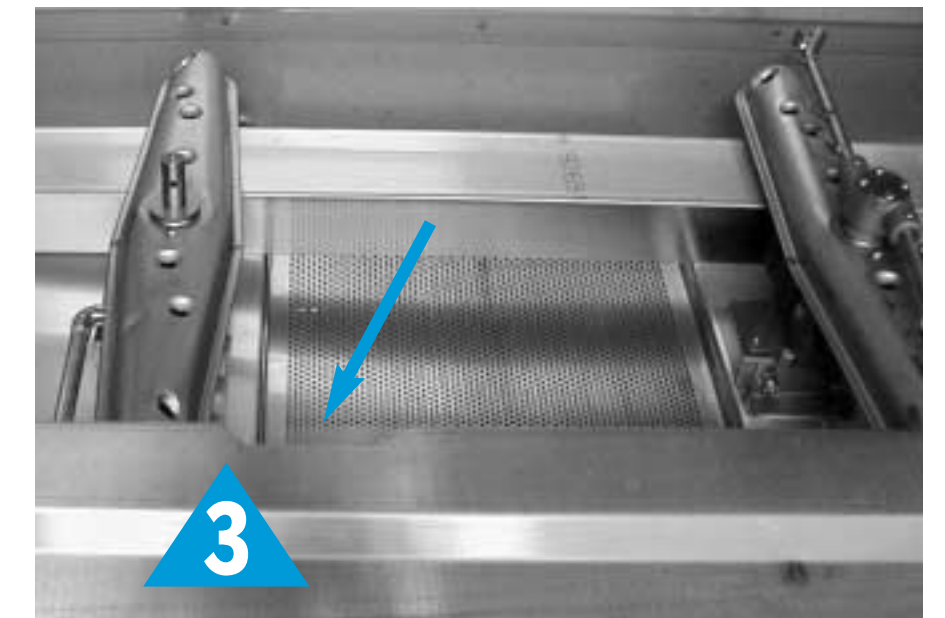
## Operational Tips:

- 1** After placing wash and rinse arms back in the machine, verify they all spin freely prior to operating the unit.
- 2** Delime the machine on a regular basis. This assures proper function of the machine.

**Note: Refer to "Troubleshooting" section of your UW50 Instruction Manual or call your local Hobart Sales/Service office if you experience any difficulties.**

## To Clean:

- 1** Turn selector to **OFF** position.
- 2** Open machine door.
- 3** Lift drain lever inside door opening.
- 4** Remove and clean strainer pan and strainer basket.
- 5** Spray down machine interior.
- 6** Visually inspect top and bottom wash and rinse arms, if obstructed remove arms and spray free with water.
- 7** Remove overflow tube and wash thoroughly.
- 8** Inspect tank interior, remove any soil from heater, probes, and floats
- 9** Wipe down exterior with a wet wash rag.  
**DO NOT SPRAY THE EXTERIOR WITH A HOSE**
- 10** Reassemble the machine:
  - a. Install scrap screen and basket
  - b. Install wash and rinse arms if removed



*Leave door open at end of day to allow interior to air out.*



Hobart Corporation, 701 S. Ridge Avenue, Troy, OH 45374-0001  
Phone: (937) 332-3000 www.hobartcorp.com

# INSTRUCTIONS

## *UW50 UTENSIL WASHER*

*MODEL*

*UW50      ML-27838*



701 S. RIDGE AVENUE  
TROY, OHIO 45374-0001

937 332-3000

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FORM 18241 Rev. G (Aug. 2007)

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**Model UW50 Utensil Washer With Booster**



# INSTALLATION, OPERATION AND CARE OF MODEL UW50 UTENSIL WASHER

## SAVE THESE INSTRUCTIONS

### GENERAL

The UW50 Utensil Washer is the answer to volume utensil washing problems in your kitchen, bakery or supermarket operation. The UW50 occupies a minimum amount of floor space (under 48" x 43" with door open) and does not require separate dishtables. The upper portion of the door raises, while the lower portion swings out to provide a drain platform. The rack can then be pulled out for easy loading and unloading.

The program selector lets you select a 2-, 4- or 6-minute cycle; each wash cycle is followed by a dwell and a 24-second rinse. The two upper and two lower wash arms provide thorough cleaning. Four rinse arms provide a sanitizing rinse at the end of each cycle. The 5-horsepower pump produces 343 gallons per minute.

The UW50 may be ordered with steam injector, steam coil, electric or gas tank heat. A top-mounted electric booster is also available. When equipped with a top-mounted electric booster, a spray hose and nozzle is provided on the left side of the machine. On models without top-mounted electric boosters, the spray hose and nozzle can be installed in the field as an accessory. Machines equipped with booster heaters are provided with a pressure-regulating valve and a relief bypass which must be installed in the water supply line. Machines without booster heaters must have a pressure-regulating valve with relief bypass (by others) if the incoming line pressure exceeds 25 psig.

Features include: sloping strainer system, self-closing drain with overflow, timed fill, wash and rinse thermometers and rack with inserts for trays. The flat rack can accommodate a 140-quart Hobart mixer bowl.

### INSTALLATION

#### UNPACKING

Immediately after unpacking the UW50, check for possible shipping damage. If the UW50 is found to be damaged, save the packaging material and contact the carrier within 15 days of delivery.

If the Utensil Washer is lifted with a lift truck, place the forks so the drain assembly under the tank is not damaged.

Prior to installation, test the electrical service to ensure that it agrees with the specifications on the data plate located below the controls (lower right front).

#### INSTALLATION CODES

Installation must be in accordance with state and local codes, with the national Fuel Code, ANSIZ223.1 (latest edition), if applicable, and the National Electrical Code ANSI/NFPA70 (latest edition). In Canada, the installation codes are: CAN/CGA B149.1, CAN/CGA B149.2 and CSA 22.1 (latest edition).

#### LOCATION

Set the machine in place after the final floor covering is installed. Make sure the machine is level before making any plumbing connections. Machines equipped with gas heat require a minimum 3" clearance from the rear of the flue to any combustible construction. Allow at least 3" at the rear and 18" at the sides of the machine as a suggested minimum for service access. Allow 13" in front of the machine for the door to lower and sufficient additional space for the operator to work.

**CONNECTION INFORMATION**  
(\* AFF - ABOVE FINISHED FLOOR)

**LEGEND**

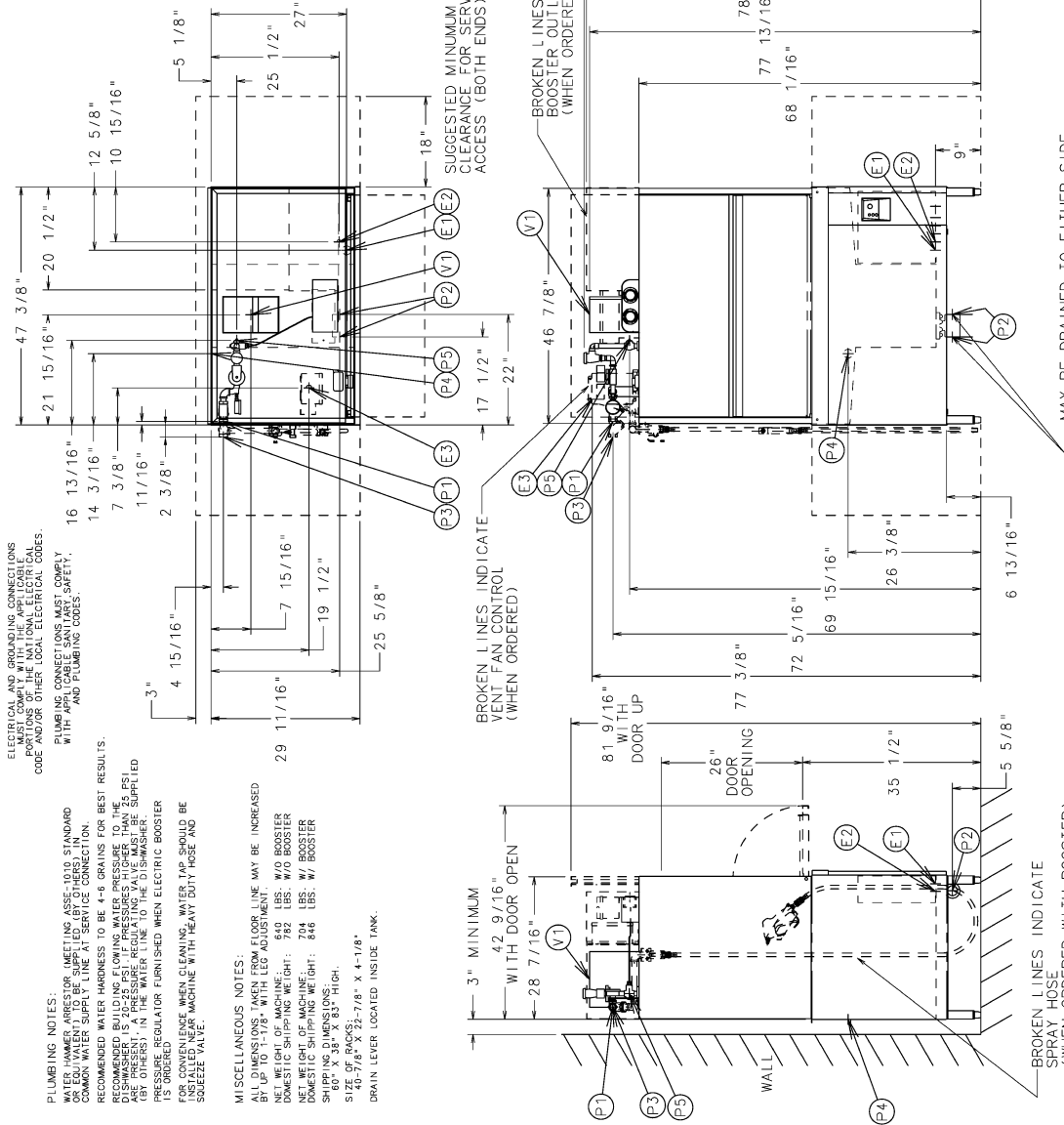
- E1 ELECTRICAL CONNECTION (INCLUDING ELECTRIC HEAT)
- E2 1-1/4" CONDUIT HOLE, 9" AFF.
- E3 ELECTRICAL CONNECTION-DETERGENT/RINSE AGENT FEEDERS; 1/2" CONDUIT HOLE; 9" AFF; 100' WHEN ORDERED; 3/4" CONDUIT HOLE; 77-3/8" AFF
- P1 COMMON WATER CONNECTION; 180° F WATER MIN. 3/4" FPT, 73-3/16" AFF.
- P2 DRAIN; 2" FPT, 5-5/8" AFF TWO CONNECTIONS.
- P3 COMMON WATER CONNECTION WITH BOOSTER (WHEN ORDERED); 1/40° F MIN.; 3/4" FPT; 73-3/16" AFF.
- P4 DETERGENT PROBE SENSOR; REMOVE CAP AND STUD ASSEMBLY TO ACCESS; 7/8" HOLE; 26-3/8" AFF.
- P5 PIPE PLUG TO ACCESS TAPPED HOLE; 69-15/16" APT.
- V1 VENT EXIT; 7" X 11" X 10" HIGH TO ALLOW FOR EXPANSION OF AIR; NEED NOT BE CONNECTED TO EXTERNAL VENT; IF REQUIRED, VENT HOOD TO PROVIDE 400 CFM EXHAUST.

**WARNING**

ELECTRIC RAY AND THERMAL CONNECTIONS MUST COMPLY WITH THE APPLICABLE PORTIONS OF THE NATIONAL ELECTRICAL CODE AND/OR OF THEIR LOCAL ELECTRICAL CODES. ALWAYS USE THE MOST RECENT EDITIONS OF THE NATIONAL ELECTRICAL CODE AND PLUMBING CODES.

**PLUMBING NOTES:**  
WATER HAMMER ARRESTOR (MEETING ASSE-1010 STANDARD) ON EACH VALVE SUPPLY BE SUPPLIED TO EACH SECTION.  
RECOMMENDED WATER HARDNESS TO BE 4-8 GRAINS FOR BEST RESULTS.  
RECOMMENDED BUILDING FLOWING WATER PRESSURE TO THE DISHWASHER IS 20-25 PSI. IF PRESSURES HIGHER THAN 28 PSI (BY OTHERS) IN THE WATER LINE TO THE DISHWASHER, A PRESSURE REGULATOR FURNISHED WHEN ELECTRIC BOOSTER IS ORDERED.  
WATER SUPPLY MUST BE INSTALLED NEAR MACHINE WITH HEAVY DUTY HOSE AND SQUEEZE VALVE.

**MISCELLANEOUS NOTES:**  
ALL DIMENSIONS TAKEN FROM FLOOR LINE MAY BE INCREASED BY UP TO 1-1/8" WITH LEG ADJUSTMENT.  
NET WEIGHT OF MACHINE: 704 LBS. W/O BOOSTER  
DOMESTIC SHIPPING WEIGHT: 846 LBS. W/ BOOSTER  
SHIPPING DIMENSIONS:  
40-7/8" X 22-7/8" X 4'-7/8"  
DRAIN LEVER LOCATED INSIDE TANK.



MODEL :  
UW-50  
D-812969

SINGLE POINT ELECTRIC CONNECTION (CONTROLS AND SHIP PUMP MOTOR)		SINGLE POINT ELECTRIC CONNECTION (CONTROLS AND SHIP PUMP MOTOR) AND 14KW ELECTRIC BOOSTER AT MAXIMUM SUPPLY CURRENT PROTECTIVE DEVICES	
ELECTRICAL SPEC.	MAXIMUM SUPPLY CURRENT (AMPS)	ELECTRICAL SPEC.	MAXIMUM SUPPLY CURRENT (AMPS)
208/60/3	50.3	208/60/3	89.2
240/60/3	46.2	240/60/3	79.9
480/60/3	23.5	480/60/3	40.4

FOR SUPPLY CONNECTION USE WIRES SUITABLE FOR AT LEAST 90°C OR EQUIVALENT.

UW50 with 10KW Electric Tank Heat with or without 14KW Electric Booster – Installation Diagram: D-812969 sheet 1

**CONNECTION INFORMATION**  
(+AFF - ABOVE FINISHED FLOOR)

**LEGEND**

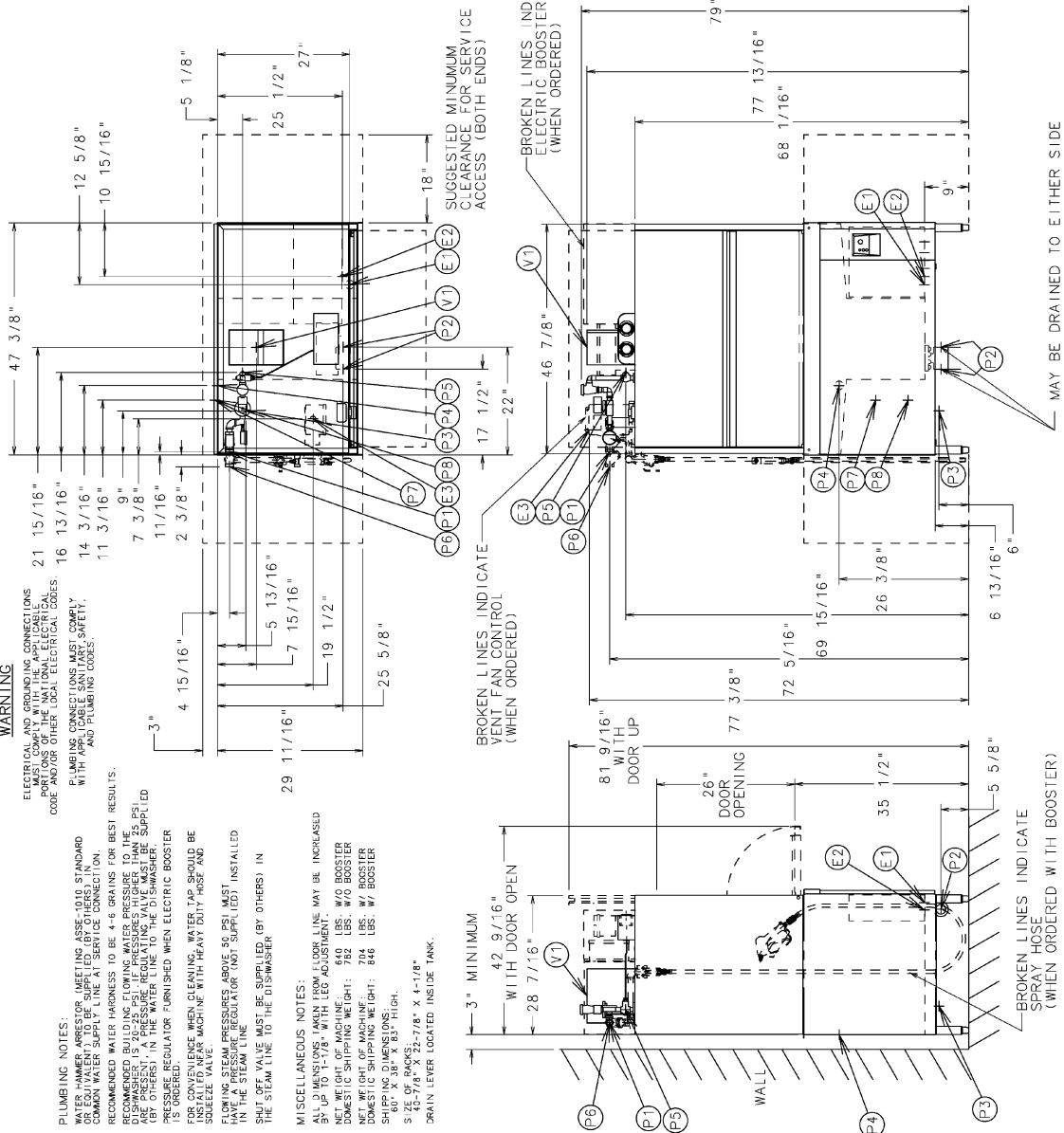
- E1 ELECTRICAL CONNECTION (MOTOR & CONTROLS): 1-1/4" CONDUIT HOLE, 9" AFF.
- E2 ELECTRICAL CONNECTION (DISPENSER/RINSE AGENT FEEDER): 1-1/4" CONDUIT HOLE, 9" AFF.
- E3 ELECTRICAL CONNECTION-VENT FAN CONTROL (WHEN ORDERED): 3/4" CONDUIT HOLE; 77-3/8" AFF
- P1 COMMON WATER CONNECTION: 180°F WATER MIN., 3/4" FPT, 73-3/16" AFF.
- P2 DRAIN: 2" FPT, 5-5/8" AFF TWO CONNECTIONS.
- P3 STEAM INJECTOR: 10 TO 25 PSI FLOWING, 5/8" NPT, 10" AFF, 6" FROM WALL.
- P4 ELECTRICAL COIL SENSING: REMOVE CAP AND STUD ASSEMBLY TO ACCESS 7/8" HOLE; 26-3/8" AFF
- P5 RINSE AGENT FEEDER: 1/8" NPT, REMOVE 1/8" NPT PIPE PLUG TO ACCESS TAPPED HOLE; 69-15/16" AFF.
- P6 COMMON WATER CONNECTION WITH ELECTRIC BOOSTER (WHEN ORDERED): 140°F MIN., 3/4" FPT; 73-3/16" AFF.
- P7 STEAM COIL: 10 TO 25 PSI FLOWING, 50 PSI MAX., 5/8" NPT, 10" AFF, 6" FROM WALL.
- P8 CONDENSATE RETURN: 10 TO 50 PSI FLOWING, 3/4" NPT, 12-3/8" AFF. (BUCKET TYPE TRAP FURNISHED).
- V1 VENT EXIT: 7" X 11" X 10" HIGH TO ALLOW FOR EXPANSION OF AIR (NEED NOT BE CONNECTED TO EXTERNAL VENT). (REQUIRED; VENT HOOD TO PROVIDE 400 CFM EXHAUST).

**WARNING**

ELECTRICAL AND PIPING CONNECTIONS MUST COMPLY WITH ALL APPLICABLE PORTIONS OF THE NATIONAL ELECTRICAL CODE AND/OR OTHER LOCAL ELECTRICAL CODES. ALL WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND/OR OTHER LOCAL ELECTRICAL CODES AND PLUMBING CODES.

**PLUMBING NOTES:**  
WATER HAMMER ARRESTOR (MEETING ASSE-1010 STANDARD) SHALL BE INSTALLED ON THE COMMON WATER SUPPLY LINE AT SERVICE CONNECTION.  
RECOMMENDED WATER HARDNESS TO BE 4-6 GRAINS FOR BEST RESULTS.  
RECOMMENDED BUILDING FLOWING WATER PRESSURE TO THE DISPENSER IS 20-25 PSI. IF PRESSURES HIGHER THAN 25 PSI ARE ENCOUNTERED, A PRESSURE REDUCING VALVE SHALL BE INSTALLED (BY OTHERS) IN THE WATER LINE TO THE DISHWASHER.  
PRESSURE REGULATOR FURNISHED WHEN ELECTRIC BOOSTER IS ORDERED.  
RINSE AGENT FEEDER: WATER TAP SHOULD BE INSTALLED NEAR MACHINE WITH HEAVY DUTY HOSE AND SQUEEZE VALVE.  
FLOWING STEAM PRESSURE ABOVE 50 PSI MUST BE INSTALLED WITH STEAM REGULATOR (NOT SUPPLIED) INSTALLED IN THE STEAM LINE.  
SHUT OFF VALVE MUST BE SUPPLIED (BY OTHERS) IN THE STEAM LINE TO THE DISHWASHER.

**MISCELLANEOUS NOTES:**  
3" UP TWO INCHES WITH LEVER ADJUSTMENT.  
NET WEIGHT OF MACHINE: 640 LBS. W/O BOOSTER  
DOMESTIC SHIPPING WEIGHT: 782 LBS. W/O BOOSTER  
NET WEIGHT OF MACHINE: 704 LBS. W/ BOOSTER  
DOMESTIC SHIPPING WEIGHT: 846 LBS. W/ BOOSTER  
SHIPPING DIMENSIONS: 80" X 38" X 83" HIGH.  
S 25 OF PACKS: 27/8" X 4-1/8"  
3641N LEVER LOCATED INSIDE TANK.



SINGLE POINT ELECTRIC CONNECTION (CONTROLS AND SPRAY HOSE) (UW-50 WITH STEAM HEAT EXCHANGER)		SINGLE POINT ELECTRIC CONNECTION (CONTROLS AND 14KW ELECTRIC BOOSTER AND 3HP PUMP MOTOR)	
ELEC. RATED SUPPLY CONDUIT SIZE (INCHES)	MAXIMUM PROTECTIVE DEVICE (AMPERAGE)	ELEC. RATED SUPPLY CONDUIT SIZE (INCHES)	MAXIMUM PROTECTIVE DEVICE (AMPERAGE)
208/60/3 20.3	25	208/60/3 60.3	80
240/60/3 17.6	25	240/60/3 52.3	70
480/60/3 9.2	15	480/60/3 26.4	35

UW50 with Steam Tank Heat (Injector or Coil) with or without 14KW Electric Booster – Installation Diagram: D-812969 sheet 2





## PLUMBING CONNECTIONS

**⚠ WARNING** Plumbing connections must comply with applicable sanitary, safety and plumbing codes.

### Water Supply Connection

Water must be proper hardness. Recommended water hardness is 1 grain or less. Higher hardness may cause excessive formation of lime scale. Chlorides must not exceed 50 ppm.

A water hammer arrestor (meeting ASSE-1010 Standard) should be provided (by others) in the water supply line ahead of its connection to the line strainer. The water supply line should be a 3/4" pipe.

A flowing pressure of 15 to 25 psig is required at the pressure gauge, provided. The pressure gauge may be connected to a petcock, if equipped, and should remain closed, except when the flowing pressure is being checked. If the flowing pressure exceeds 25 psig, a pressure-reducing valve (not supplied on machines without booster) must be installed in the water supply line. A pressure-reducing valve with relief bypass is furnished with machines equipped with a 14KW electric booster.

**NOTICE** The water-pressure regulator must have a relief bypass. Failure to use the proper type of pressure regulator may result in damage to the unit.

The minimum water supply temperature per cycle time required to maintain 180°F final rinse temperature is shown at the right:

Cycle	Minimum Water Supply Temperatures	
	With Optional Booster Heater	Without Booster Heater
2 Minute	140°F	180°F
4 Minute	110°F	180°F
6 Minute	80°F	180°F

### Drain Connection

A proper drain should be connected to the 2" internal threads at the "T" fitting underneath the machine. The drain can be connected on either the left or right side of the "T" fitting. The right side of the "T" fitting is plugged at the factory, allowing the drain to be connected on the left side. If it is more convenient to connect the drain on the right side, remove the plug from the right side of the "T" fitting, reinstall it on the left side and connect the drain to the right side.

### GAS CONNECTION (WHEN SPECIFIED)

Check the gas data plate attached to the dishwasher or tag attached to the gas burner tubing for type of gas to be used.

Connect the gas supply to the machine.

The burner is not adjustable. If line pressure is above 7" W.C. (natural gas) or 11" W.C. (propane gas), an additional regulator valve (not supplied) must be installed in the supply line.

The burner is ignited by solid state electronic circuitry; there is no pilot light. Gas flow is regulated by the temperature control circuit via a blower and centrifugal switch system.

### STEAM CONNECTION (WHEN SPECIFIED)

Machines equipped with steam injector tank heat have a steam connection (3/4" female pipe thread) located under the machine at the rear, 6" above the floor. Machines equipped with steam coil tank heat have the steam supply connection (3/4" female pipe thread) located at the rear of the wash tank, 19" above the floor, and a condensate return connection (3/4" female pipe thread), located at the rear of the wash tank, 12 3/8" above the floor (a bucket-type trap is furnished). For either type of steam heat, flowing steam pressure should be 15 to 25 psig (50 psig maximum). A manually operated steam control valve (supplied by others) should be installed at a convenient location ahead of the steam supply connection.

## VENTING REQUIRED WITH GAS HEAT (OPTIONAL WITH STEAM OR ELECTRIC HEAT)

The Hobart UW50 Utensil Washer, equipped for gas tank heat, is not provided with a flue collar and is not intended to have the flue directly connected to a ventilation system. However, the products of combustion must be vented to the outside air. A vent hood over the entire utensil washer (Fig. 1) can be employed to vent both the moist air from the wash chamber and the flue gases from the gas tank heat. The volume of flue exhaust required for venting moist air and flue gases using a single vent hood over the entire utensil washer must be calculated using the formulas on the next page.

If a powered means of exhaust is used, an electrical interlock must be provided to allow the flow of gas to the utensil washer burner only when the exhaust system is in operation.

For additional information, refer to the National Fuel Gas Code, ANSI Z223.1, NFPA 54 (latest editions).

In all cases, local codes will prevail.

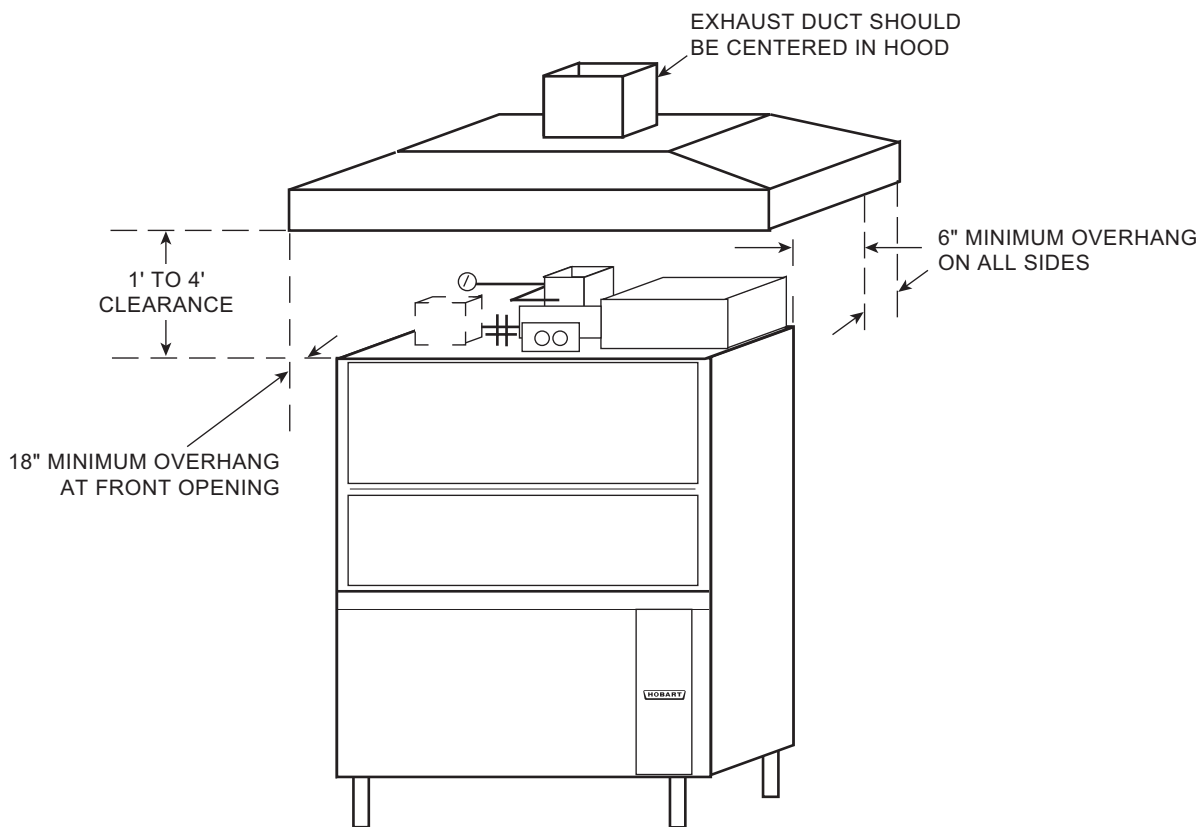


Fig. 1

Type I or Type II canopy hoods are recommended. A factory-built commercial exhaust hood may be listed as conforming to Underwriters Laboratory's standard 710, titled *Exhaust Hoods for Commercial Cooking Equipment*. Hoods must be installed according to the manufacturer's instructions. Make-up air must be provided so that the exhaust flow rate results in a positive building pressure in the room where the unit is located (more outside air than exhaust air). Factory-built hoods not tested to UL standard 710 and custom-built hoods must comply with the following specifications: Stainless steel should have a minimum thickness of 0.037 in. (0.94 mm) [No. 20 Gauge] or copper sheet weighing at least 24 ounces per square foot (7 Kg/m<sup>2</sup>); the hood must be secured in place by noncombustible supports and must meet the RATE OF EXHAUST FLOW CALCULATIONS on the next page.

## RATE OF EXHAUST FLOW CALCULATIONS (FIG. 2)

Based on the International Mechanical Code (latest edition).

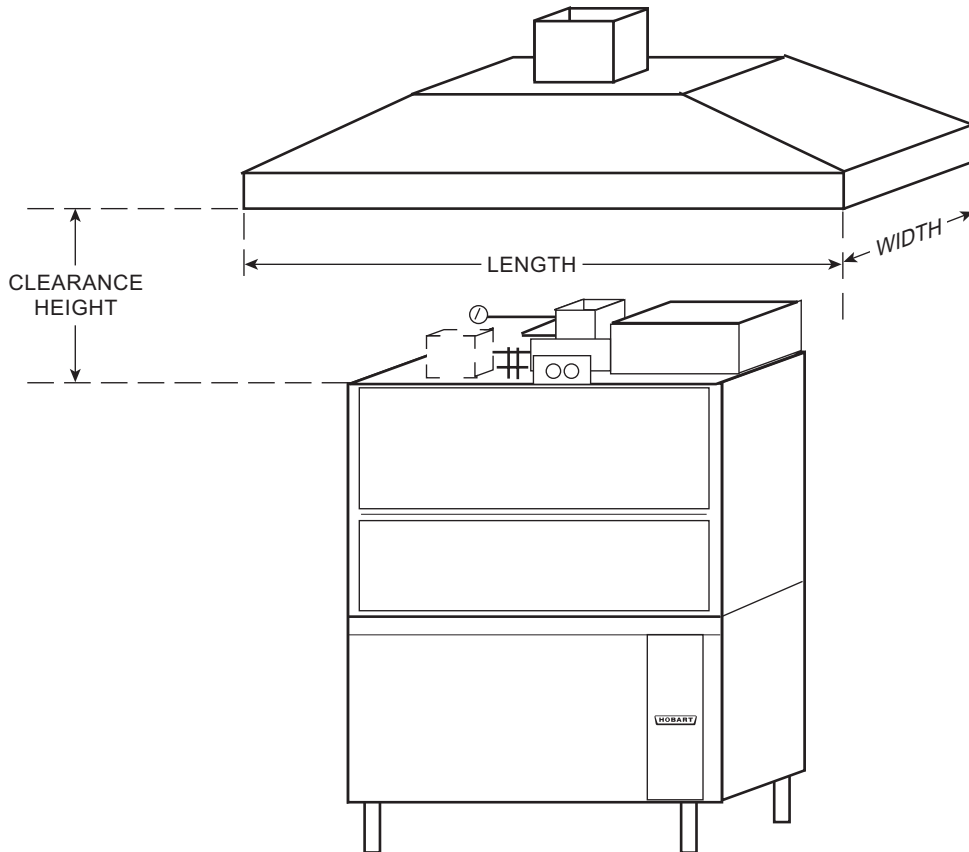


Fig. 2

### Canopy size and location

The inside lower edge of canopy-type Type I and II commercial hoods shall overhang or extend a horizontal distance of not less than 6 inches (152 mm) beyond the edge of the top horizontal surface of the appliance on all open sides. The vertical distance between the front lower lip of the hood and such surface shall not exceed 4 feet (1219 mm).

The **RATE** of air flow required for a vent hood is a minimum of 100 CFM per linear foot of hood length.

## DETERGENT FEEDER (OPTIONAL BY OTHERS)

If installing a detergent feeder (by others), remove cap to expose  $\frac{7}{8}$ " diameter hole at rear of machine.

## RINSE AGENT FEEDER (OPTIONAL BY OTHERS)

If a rinse agent feeder (by others) is being installed, remove the  $\frac{1}{8}$ " NPT pipe plug to access the tapped hole in the incoming water line below the vacuum breaker on top of the machine.

## VENT EXIT

A vent exit (7" x 11" x 10") is provided in the top of the machine to allow for expansion of air. It should not be directly connected to an external vent.

## VENT FAN CONTROL (OPTIONAL); POWER VENT (OPTIONAL)

The Vent Fan Control option (factory- or field-installed) provides switching for a vent fan (by others). The vent hood comes on when the UW50 is on and goes off when the UW50 is off. This is appropriate for a hood over a UW50 with gas tank heat. The Vent Fan Control can be rewired by your Hobart service technician to control the Power Vent option (not available on UW50 with gas tank heat). Power Vent is used on UW50 with steam or electric tank heat to exhaust moist air from the chamber after the rinse cycle is finished. Power Vent operates for 45 seconds. Power Vent (field installed only) extends upward  $13\frac{1}{8}$ " above the Vent Exit ( $22\frac{7}{8}$ " above the top of the wash chamber) and terminates in a round duct connection for a  $10\frac{1}{4}$ " O.D. duct.

## ELECTRICAL CONNECTION

**⚠ WARNING** Electrical and grounding connection must comply with the applicable portions of the National Electrical Code and/or other local electrical codes.

**⚠ WARNING** Disconnect electrical power supply and follow lockout / tagout procedures.

Connect incoming power to the control box in accordance with the wiring diagram located inside the control box and the electrical data chart. The front trim rail and the front panel must be removed to access the control box.

ELECTRICAL DATA												
	10KW Electric Heat (Single Point Connections)		10KW Electric Heat With 14KW Electric Booster (Single Point Connections)		Steam Tank Heat (Injector or Coil) (Single Point Connections)		Steam Tank Heat (Injector or Coil) With 14KW Electric Booster (Single Point Connections)		Gas Tank Heat (Single Point Connections)		Gas Tank Heat With 14KW Electric Booster (Single Point Connections)	
Volts/Hz/Ph	Rated Amps	Circuit Size* (Amps)	Rated Amps	Circuit Size* (Amps)	Rated Amps	Circuit Size* (Amps)	Rated Amps	Circuit Size* (Amps)	Rated Amps	Circuit Size* (Amps)	Rated Amps	Circuit Size* (Amps)
208/60/3	50.3	70	89.2	**100	20.3	25	60.3	80	21.4	30	60.3	80
240/60/3	46.2	60	79.9	**100	17.6	25	52.3	70	18.6	25	52.3	70
480/60/3	23.5	30	40.4	50	9.2	15	26.4	35	9.6	15	26.4	35

\* Minimum Circuit Size / Maximum Protective Device (Amps) compiled in accordance with the National Electrical Code (NFPA 70), latest edition.

\*\* For supply connection, use wires suitable for at least 90°F or equivalent.

## Rotation of Pump Motor

Before using the machine, check the pump motor rotation to be sure it is rotating in the right direction. From the front of the machine, the motor should rotate counterclockwise. Looking from the rear of the machine, the correct rotation is clockwise. Inspection is easiest from the right side using a flashlight and mirror to check the motor fan in front. Be aware that the mirror will reverse the perceived direction.

If the pump motor is rotating in the wrong direction, follow this procedure.

**⚠ WARNING** Disconnect electrical power supply and follow lockout / tagout procedures.

Reverse any two of the three incoming line wires (not the ground wire). Reconnect and recheck rotation of pump motor.

# OPERATION

## CONTROLS (FIG. 3)

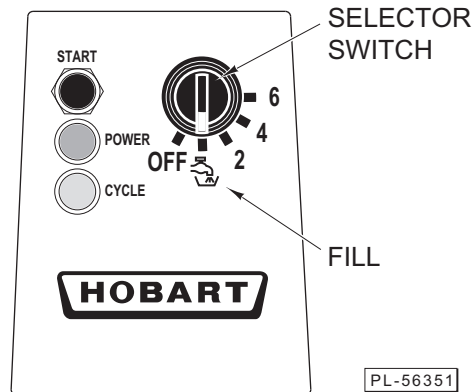


Fig. 3

### SELECTOR SWITCH

- OFF Electric power to machine is off. POWER and CYCLE lights are off.
- FILL Timed fill requires about 3 minutes. Be sure Drain Lever (Fig. 4) is closed. Press the START button to begin a timed fill.

### SELECT WASH CYCLE and press START.

- 2 A 2-minute wash cycle is followed by a 5-second pause and a 24-second rinse.
- 4 A 4-minute wash cycle is followed by a 5-second pause and a 24-second rinse.
- 6 A 6-minute wash cycle is followed by a 5-second pause and a 24-second rinse.

- START button Begins a timed fill or starts a wash cycle.
- POWER light (green) Indicates the machine has power, and the Selector Switch is not off.
- CYCLE light (white) Amber light indicates a timed fill or wash cycle is in process.

**NOTE:** Opening the door during cycles will cause cycle to start over at the beginning.

### DRAIN LEVER (Fig. 4)

Drain lever is located inside the wash chamber (middle front with door open). Lower the lever to close the drain before beginning a timed fill. Rotate lever upward to open the drain after turning the machine off at the end of the day.

### DIAL THERMOMETERS (not shown)

Thermometers indicate the Wash Tank Temperature and the Rinse Temperature. Thermometers are located on top of the wash chamber and are clearly visible when the doors are shut. Minimum Wash Tank Temperature is 150°F. Minimum Rinse Temperature is 180°F.



Fig. 4

## GENERAL OPERATING INSTRUCTIONS

Keep the utensil washer clean to provide best results. Do not allow foreign objects to enter the unit, especially metallic contaminants.

Do not wash aluminum utensils in the utensil washer. The caustic detergent and high water temperature will cause aluminum oxide formation (black). Copper utensils may require polishing to remove oxide formation after exposure to utensil washer cleaning for a period of time. Stainless steel utensils should clean quickly and easily if the food soil is not baked on.

It may be necessary to scrub or prewash some hard-to-remove substances which may not come clean in the utensil washer with even a 6-minute washing. For stubborn food soil, a plastic scraper, plastic abrasive pad, nylon bristle brush or sponge with abrasive surface (Scotch Brite) may be used before washing in the utensil washer. Never use steel wool on ware to be loaded into the utensil washer. Use only products formulated to be safe on stainless steel. Rinse items thoroughly after scrubbing to remove metallic debris.

## CLEANING THE UTENSIL WASHER

**⚠ WARNING** Disconnect electrical power supply and follow lockout / tagout procedures.

The utensil washer must be thoroughly cleaned at the end of each working shift or at least daily. Never use steel wool to clean utensil washer surfaces.

Turn the Selector Switch OFF.

Open the doors and lift up on the drain lever to drain the tank.

Remove the strainer pan and strainer basket (Fig. 5), and empty into a waste disposer or garbage container. Wash and rinse strainer pan and strainer basket thoroughly. Do not bang strainer pan or basket on tables to remove food soil.

After the tank has drained completely, lower the overflow tube to close the drain. Reconnect the electrical power to the machine.

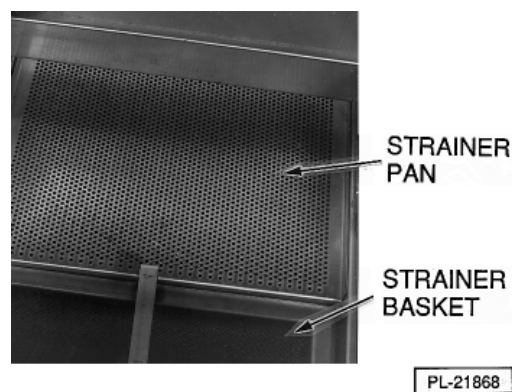


Fig. 5

Turn the Selector Switch to FILL and press the Start button. The machine will fill and rinse any debris into the tank.

After Fill is complete, turn the Selector Switch OFF, open the doors and lift up on the drain lever to drain the machine.

**⚠ WARNING** Disconnect electrical power supply and follow lockout / tagout procedures.

Remove the overflow cover and the overflow tube. Wash and rinse the overflow tube inside and out.

Thoroughly cleanse and flush the interior of the machine. Remove remaining soil with a soft cloth or brush and a mild cleanser. Rinse again. Do not allow food soil to accumulate in the tank bottom.

Reinstall the overflow tube.

Carefully reinstall the strainer pan, strainer basket and drain cover. The opening at the corner of the strainer pan allows the capillary tube to go into the tank.

**NOTICE** On machines with the capillary tube in the tank, use care when assembling strainer pan so the capillary tube is not damaged during assembly.

Make sure that the wash and rinse arms rotate freely and are free of any obstructions. If any obstructions are present, remove the wash and rinse arms. Clean the wash and rinse arms under running water in a sink.

The wash and rinse arms are easily removed for cleaning.

To remove the upper wash and rinse arm (Fig. 6):

- Unscrew the hand knob.
- Remove the upper rinse and wash arms together. Be careful not to drop these arms.
- Replace after removing any obstructions by reversing the removal procedure.

To remove the lower wash and rinse arm (Fig. 7):

- Lift off the rinse arm.
- Unscrew the rinse arm bearing pin.
- Lift off the lower wash arm. (It is not necessary to remove the spacer located on the lower wash arm shaft.)
- Remove any obstructions from the wash arms.
- Replace wash and rinse arms by reversing the removal procedure.

Leave the doors open to allow the interior to dry and air out.

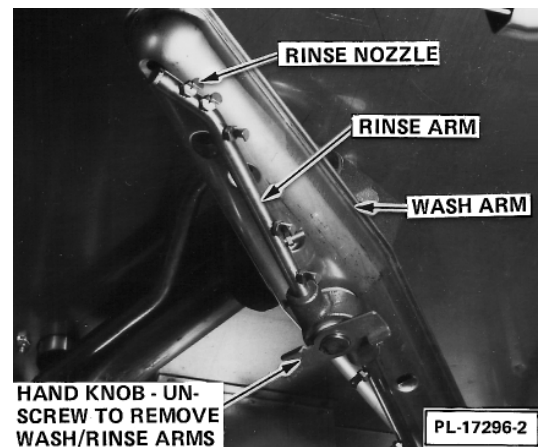


Fig. 6

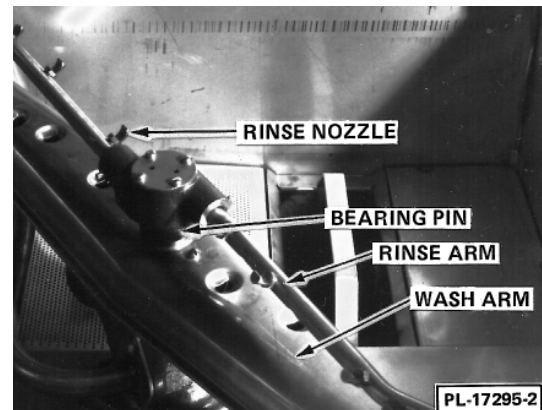


Fig. 7

## DOS AND DON'TS FOR YOUR NEW HOBART UTENSIL WASHER

**DO** ensure proper water hardness (1 grain or less). Total Dissolved Solids (TDS) must be 50 ppm or greater. Chlorides must not exceed 50 ppm.

**DO** pre-scrub dishes thoroughly.

**DO** use only detergents recommended by your chemical professional.

**DO** thoroughly cleanse, rinse and dry (leave door open) the machine at the end of the day.

**DO** closely follow your chemical professional's prescribed deliming schedule.

**DO** use only products formulated to be safe on stainless steel.

**DO NOT** use detergents formulated for residential dishwashers.

**DO NOT** allow food soil to accumulate on the tank bottom.

**DO NOT** exceed chemical manufacturer's recommended concentrations for detergent, sanitizer, rinse aid or lime scale remover.

**DO NOT** use steel wool to clean ware or warewasher surface.

**DO NOT** allow foreign objects to enter the unit, especially metallic contaminants.

**NOTE:** Failure to follow use, care and maintenance instructions may void your Hobart warewasher warranty.



# MAINTENANCE

**⚠ WARNING** Disconnect electrical power supply and follow lockout / tagout procedures.

## MOTOR

The motor has permanently sealed bearings and requires no lubrication.

## WASH AND RINSE ARMS

All wash arms and rinse arms should turn freely and continue turning for a few seconds after being whirled by hand. To check, **DISCONNECT ELECTRICAL POWER SUPPLY**, rotate arms and remove any obstructions causing improper operation. Refer to CLEANING THE UTENSIL WASHER on pages 12 and 13.

If the slanted strainer pan and strainer basket are not properly in place, obstructions (such as food particles or toothpicks) may clog the wash arm nozzles.

## DELIMING

**⚠ WARNING** Deliming solution must not come in contact with bleach or rinse solution containing bleach. Mixing may cause hazardous gas to form. This entire procedure must be followed step-by-step for safe and satisfactory results.

The dishwasher should be delimed on a regular basis as required. How often depends on the mineral content of the water. Deliming should be done when you can see clear signs of lime deposits (a white chalky substance) on the inside walls and on the wash and rinse arms.

Inspect the machine interior for lime deposits. If deliming is necessary, a deliming agent (available from your detergent representative) should be used for best results.

Delime as follows:

1. Lift drain lever and drain tank.
2. Remove rack from machine.
3. Close door.
4. Fill machine.
5. Open door and add deliming agent (carefully follow supplier's instructions).

**NOTE:** The sump holds 27 gallons of water.

6. Close door and allow machine to complete a 6-minute cycle.
7. Open door and lift drain lever to drain tank.
8. Inspect interior of machine for lime deposits. Repeat Steps 3 through 7 if necessary.

**NOTICE** Do not allow deliming agent to remain in the machine longer than recommended by the deliming agent manufacturer. After deliming, run the machine through two 6-minute cycles with no utensils in order to rinse and flush machine interior.

# TROUBLESHOOTING

SYMPTOM	POSSIBLE CAUSE
Utensils spotted or not clean	<p>Overloaded rack.</p> <p>Low water level.</p> <p>Water conditions:</p> <ul style="list-style-type: none"> <li>— Incorrect rinse water temperature. Refer to WATER SUPPLY CONNECTION, page 7.</li> <li>— Excessive water hardness may indicate that a water softener is needed.</li> <li>— Incorrect detergent type or concentration for water conditions.</li> <li>— Incorrect rinse additive for water conditions.</li> </ul> <p>Inadequate rinse.</p> <ul style="list-style-type: none"> <li>— Dirty line strainer causing reduced water flow. Turn off water supply. Remove strainer cap. Withdraw and clean screen. Reassemble.</li> <li>— Low water pressure (supply line).</li> <li>— Excessive mineral deposits throughout wash and rinse system. Deliming may be necessary.</li> </ul> <p>Check water level in tank. The machine won't clean well if there isn't enough water for the pump to maintain adequate wash pressure.</p> <ul style="list-style-type: none"> <li>— Drain overflow tube may not be seated.</li> <li>— Worn or torn O-Ring may cause overflow tube not to seat.</li> </ul> <p>Loss of water pressure due to pump obstruction.</p> <ul style="list-style-type: none"> <li>— DISCONNECT ELECTRIC POWER SUPPLY. Drain tank and check for obstruction at the strainer, basket and pump intake.</li> </ul> <p>Insufficient detergent dispensing.</p> <ul style="list-style-type: none"> <li>— Check supply or detergent supplier.</li> </ul> <p>Excessive mineral deposits throughout wash and rinse system.</p> <ul style="list-style-type: none"> <li>— Deliming may be necessary.</li> <li>— Excessive water hardness may indicate that a water softener is needed.</li> </ul> <p>Utensil washer was not cleaned properly. Refer to CLEANING THE UTENSIL WASHER, pages 12 and 13.</p> <p>Wash arm blocked with debris. Refer to WASH AND RINSE ARMS, page 14.</p>

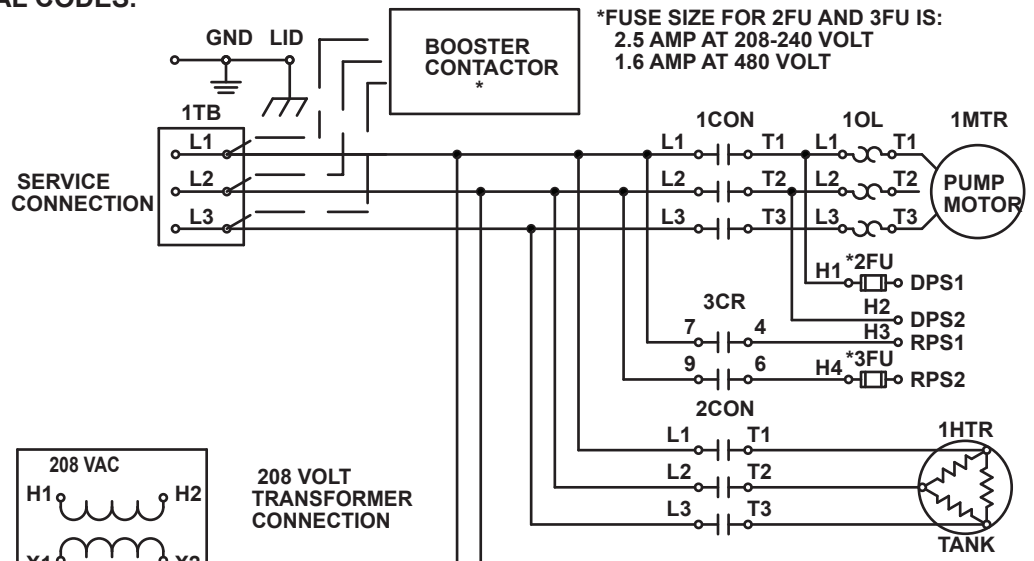
SYMPTOM	POSSIBLE CAUSE
Machine won't operate.	Fuse blown or circuit breaker tripped. Selector Switch is turned OFF. Check water level in tank. — Drain overflow tube may not be seated. — Worn or torn O-Ring may cause overflow tube not to seat.
Leaking valves.	Solenoid valves. — Contact Service. Vacuum breaker. — Foreign material preventing proper valve operation. A critical period is soon after installation when pipe compound or metal shavings may lodge at the valve seat. DISCONNECT ELECTRICAL POWER SUPPLY. Shut off water supply line. Unscrew and lift bonnet from valve body. Clean valve and reassemble.
No wash tank heat.	The low water detector will shut off heat if water level is too low. — Check water level. The overflow tube may not be seated. Fuse blown or circuit breaker tripped (if equipped with electric heat). Manual steam valve not open completely (if equipped with steam heat). Overtemperature protector tripped (gas or electric tank heat only). — Contact Service.
No fill or slow fill.	Dirty line strainer causing reduced water flow. — Turn off water supply. Remove strainer cap. Withdraw and clean screen. Reassemble.

## SERVICE

In the event a gas orifice fitting shall be adjusted or replaced, have it serviced by qualified personnel.

Contact your Hobart service office for any repairs or adjustments needed on this equipment. Long-term service contracts are available on this and other Hobart products.

**WARNING: ELECTRICAL AND GROUNDING CONNECTIONS MUST COMPLY WITH THE APPLICABLE PORTIONS OF THE NATIONAL ELECTRICAL CODE AND/OR OTHER LOCAL ELECTRICAL CODES.**

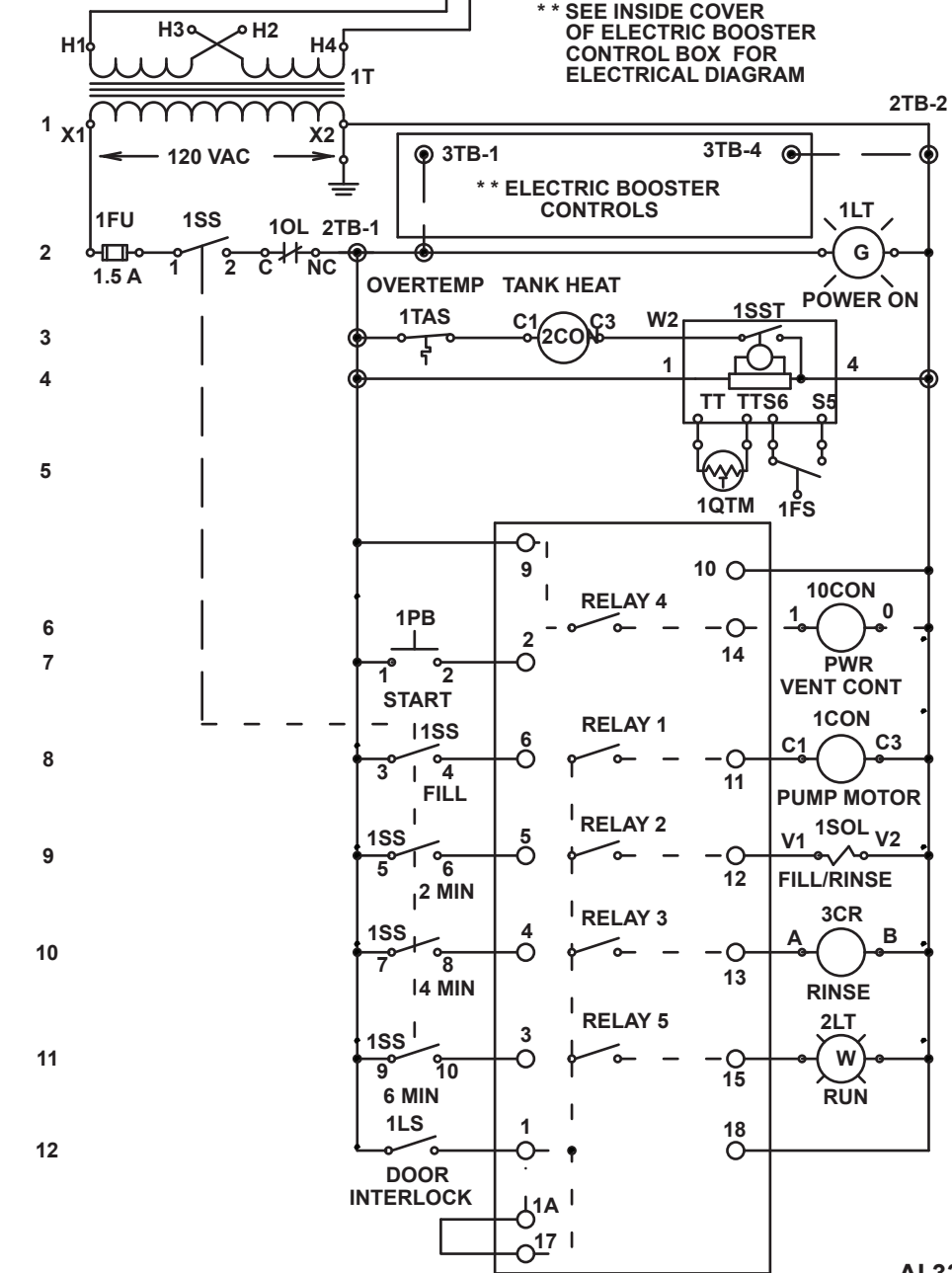


\*FUSE SIZE FOR 2FU AND 3FU IS:  
2.5 AMP AT 208-240 VOLT  
1.6 AMP AT 480 VOLT

\*\* SEE INSIDE COVER OF ELECTRIC BOOSTER CONTROL BOX FOR ELECTRICAL DIAGRAM

TRANSFORMER CONNECTIONS		
VOLTAGE	CONNECT	LINE LEADS (H) TO
240	H1 TO H3 H2 TO H4	H1 AND H4
480	H2 TO H3	H1 AND H4

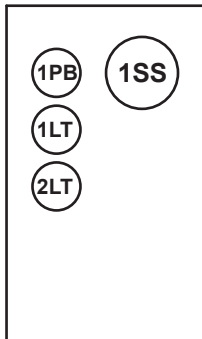
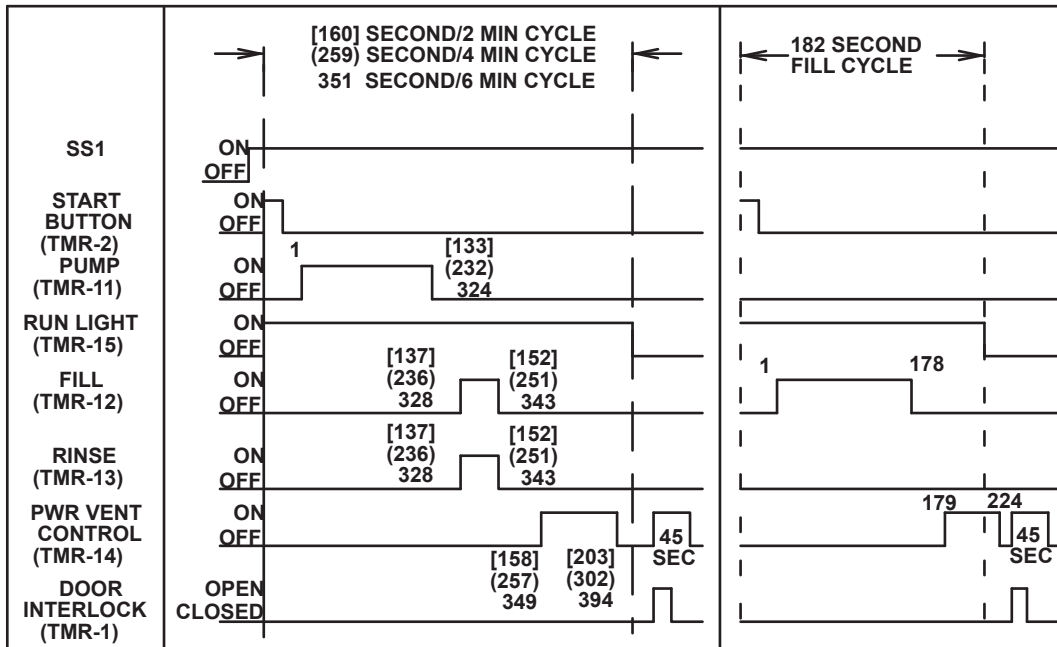
SELECTOR SWITCH 1SS	1	2	3	4	5	6	7	8	9	10
	OFF	0	0	0	0	0	0	0	0	0
FILL	1	1	1	0	0	0	0	0	0	0
2	1	0	1	0	0	0	0	0	0	0
4	1	0	0	0	1	0	0	0	0	0
6	1	0	0	0	0	0	1	0	0	0



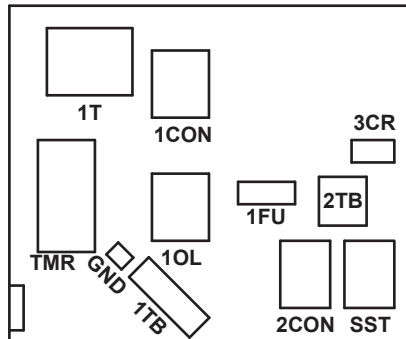
**ELECTRICAL WIRING DIAGRAM  
UW50 UTENSIL WASHER  
BUILT AFTER NOV 2008  
ELECTRICAL HEAT  
208-240/60/3**

DERIVED FROM F-33187

AI 33187



LID-FRONT VIEW



DPS1  
DPS2  
RPS1  
RPS2  
CONTROL BOX

### HEATER CHART

VOLTS	PHASE	HEATER NO.
208	3	K-54
240	3	K-54
480	3	K-39

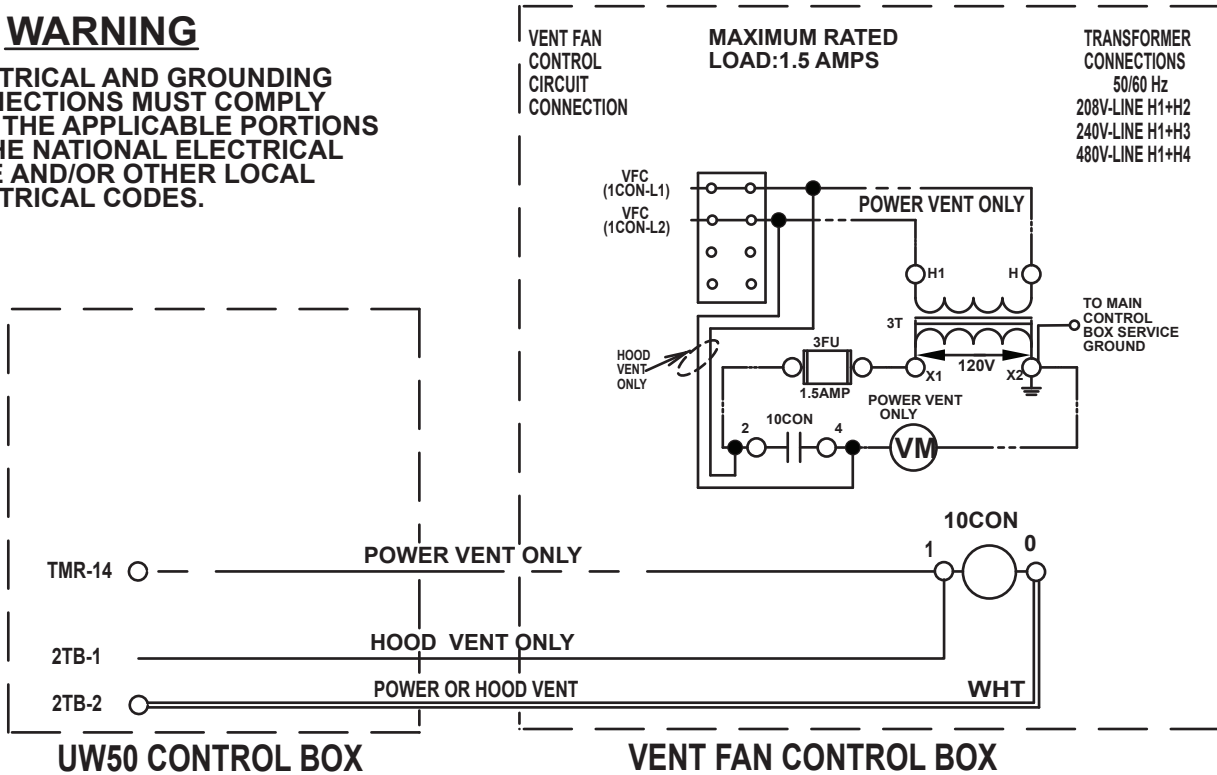
**ELECTRICAL WIRING DIAGRAM CONTINUED  
UW50 UTENSIL WASHER  
BUILT AFTER NOV 2008  
ELECTRICAL HEAT  
208-240/60/3**

DERIVED FROM F-33187

AI 3138

# WARNING

ELECTRICAL AND GROUNDING CONNECTIONS MUST COMPLY WITH THE APPLICABLE PORTIONS OF THE NATIONAL ELECTRICAL CODE AND/OR OTHER LOCAL ELECTRICAL CODES.

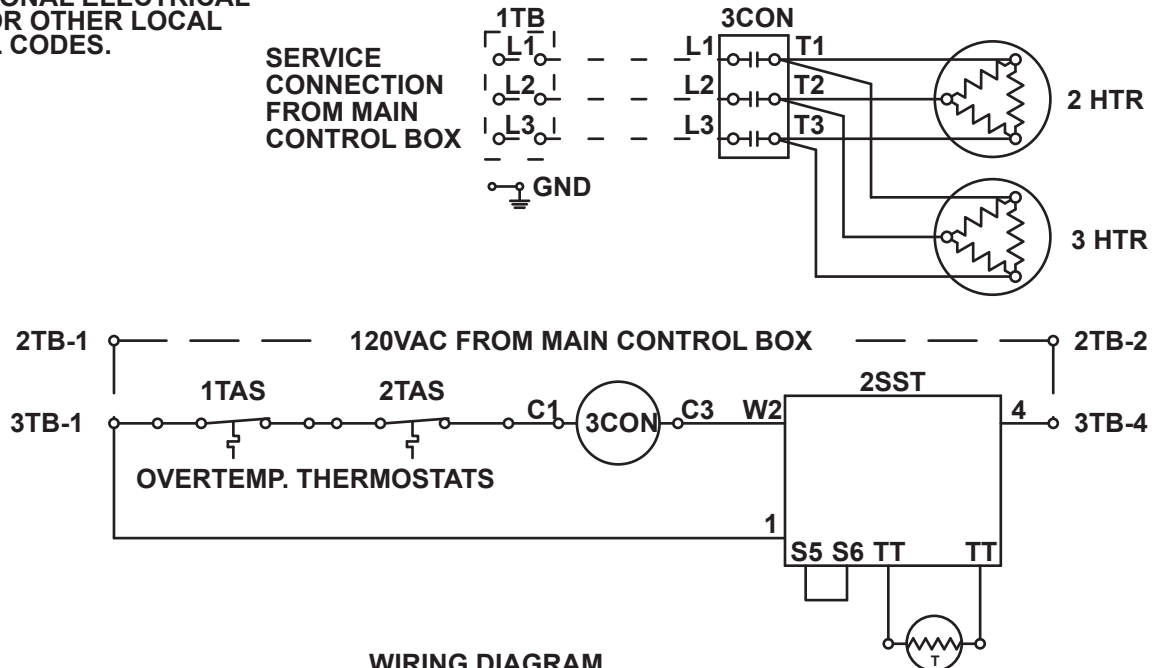


**WIRING DIAGRAM  
UW50 UNTENSIL WASHER  
BULT AFTER MARCH 2007  
VENT FAN CONTROL**

DERIVED FROM F35396 REV A

# WARNING

ELECTRICAL AND GROUNDING CONNECTIONS MUST COMPLY WITH THE APPLICABLE PORTIONS OF THE NATIONAL ELECTRICAL CODE AND/OR OTHER LOCAL ELECTRICAL CODES.

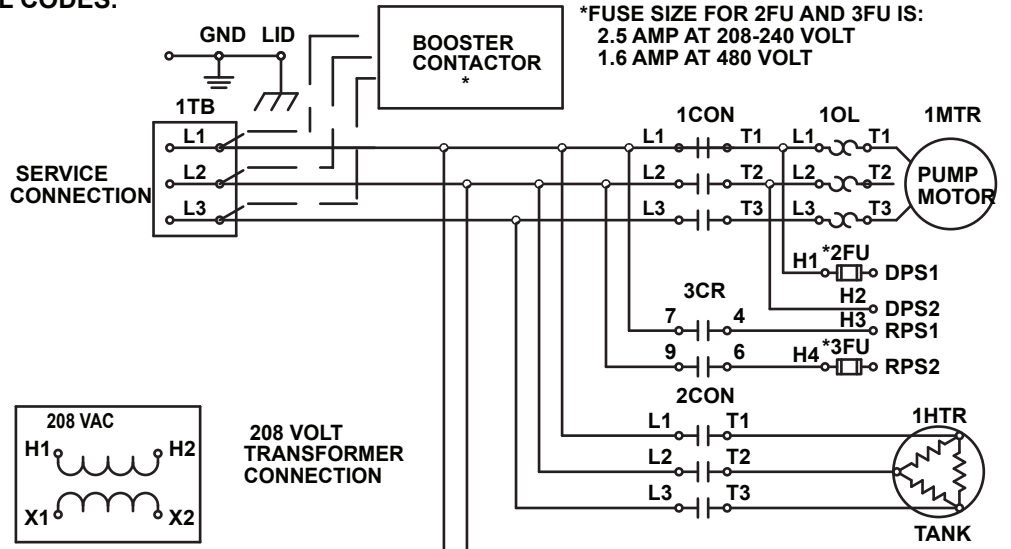


**WIRING DIAGRAM  
UW50 UNTENSIL WASHER  
14KW ELECTRIC BOOSTER  
3 PHASE**

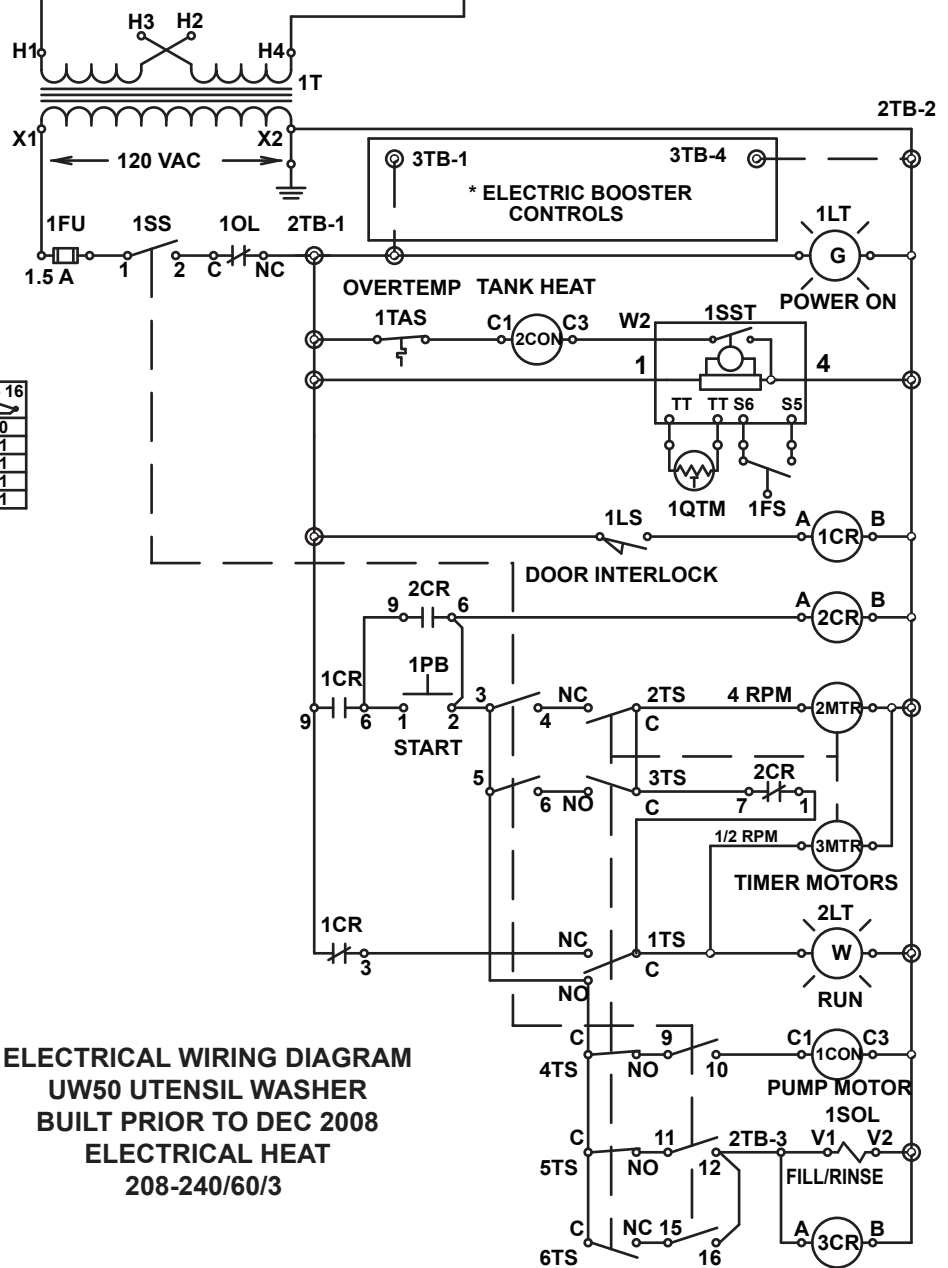
DERIVED FROM F-28403 REV A

AI 3140

**WARNING: ELECTRICAL AND GROUNDING CONNECTIONS MUST COMPLY WITH THE APPLICABLE PORTIONS OF THE NATIONAL ELECTRICAL CODE AND/OR OTHER LOCAL ELECTRICAL CODES.**



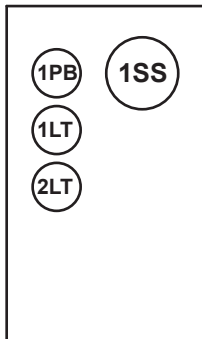
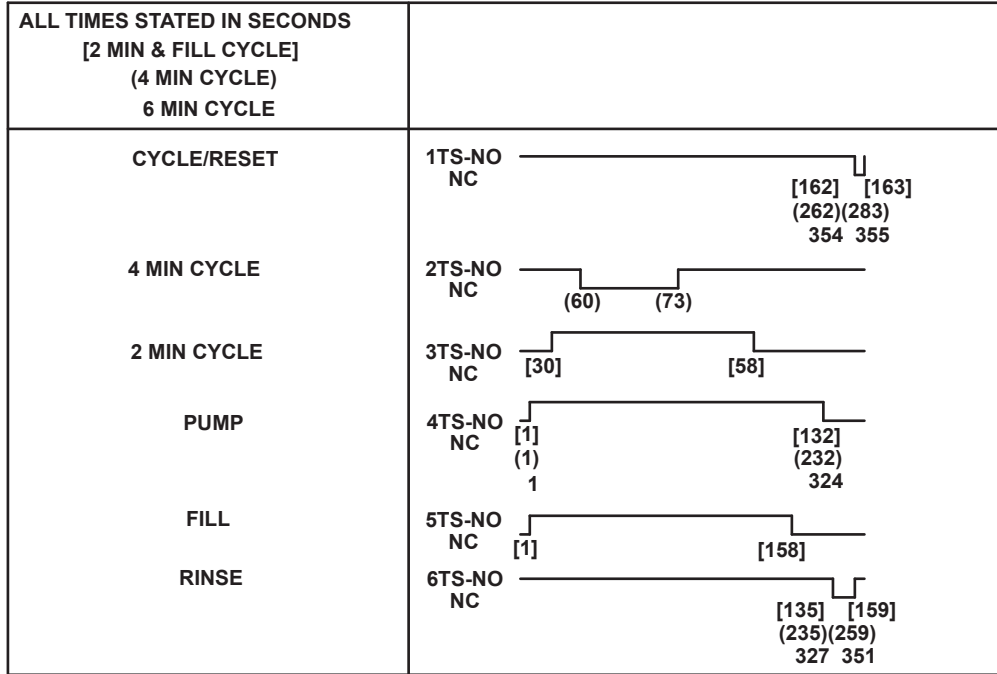
TRANSFORMER CONNECTIONS		
VOLTAGE	CONNECT	LINE LEADS (H) TO
240	H1 TO H3 H2 TO H4	H1 AND H4
480	H2 TO H3	H1 AND H4



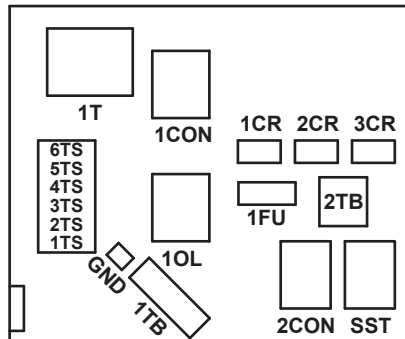
SELECTOR SWITCH	1	2	3	4	5	6	7	8	9	10	11	12	15	16
OFF	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FILL	1	0	1	0	0	0	0	1	1	1	1	1	1	1
2	1	0	1	0	1	0	1	0	1	0	1	0	1	1
4	1	1	1	0	1	1	1	1	0	1	0	1	1	1
6	1	0	0	0	0	0	1	1	0	1	0	1	1	1

\* SEE INSIDE COVER OF ELECTRIC BOOSTER CONTROL BOX FOR ELECTRICAL DIAGRAM

**ELECTRICAL WIRING DIAGRAM  
UW50 UTENSIL WASHER  
BUILT PRIOR TO DEC 2008  
ELECTRICAL HEAT  
208-240/60/3**



LID-FRONT VIEW



DPS1  
DPS2  
RPS1  
RPS2  
CONTROL BOX

### HEATER CHART

VOLTS	PHASE	HEATER NO.
208	3	K-54
240	3	K-54
480	3	K-39

ELECTRICAL WIRING DIAGRAM CONTINUED  
UW50 UTENSIL WASHER  
BUILT PRIOR TO DEC 2008  
ELECTRICAL HEAT  
208-240/60/3







# CATALOG OF REPLACEMENT PARTS



## UW50 UTENSIL WASHER

ML-27838

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A product of HOBART 701 S. RIDGE AVENUE TROY, OHIO 45374-0001

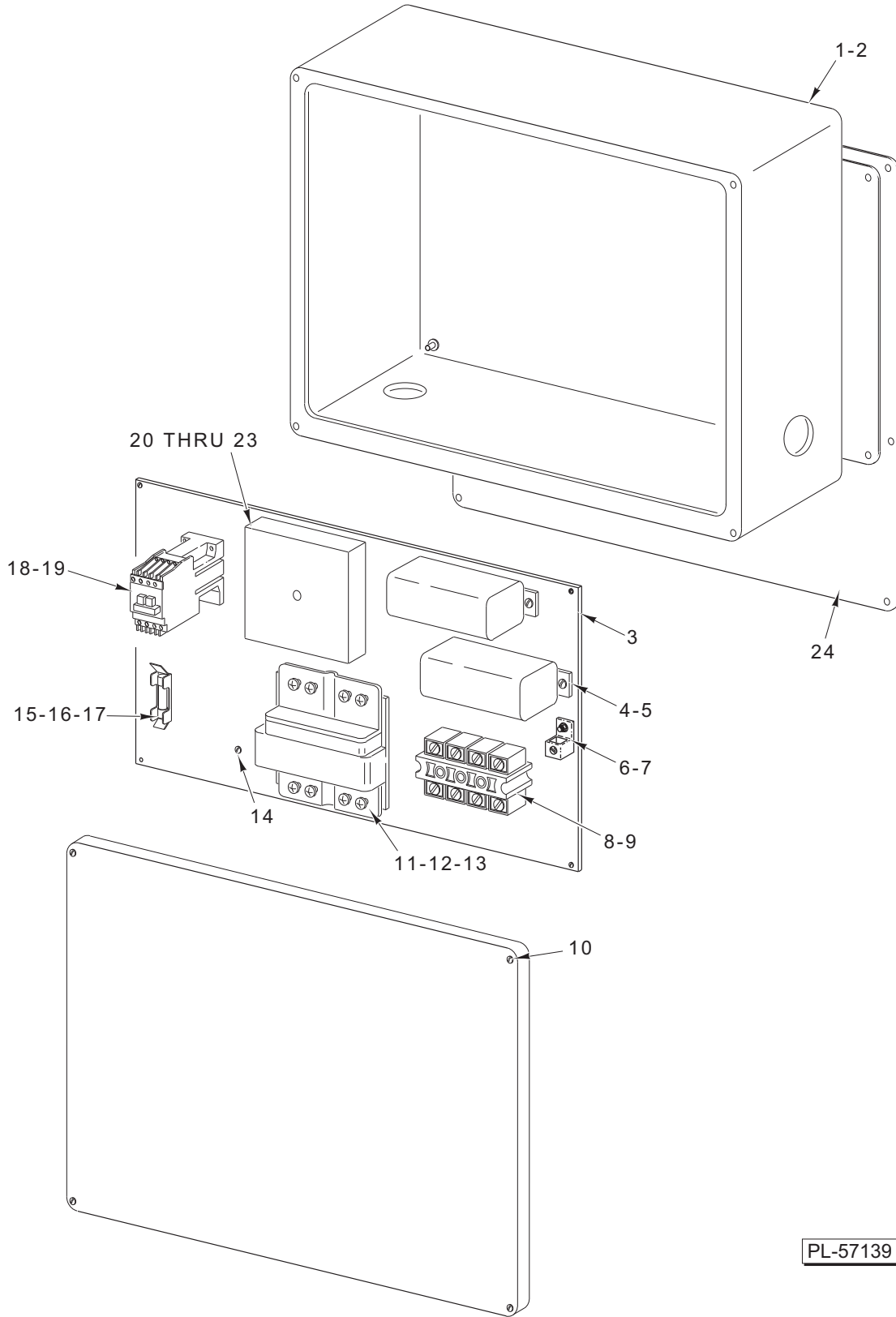
FORM 18243 Rev. E (May 2009)



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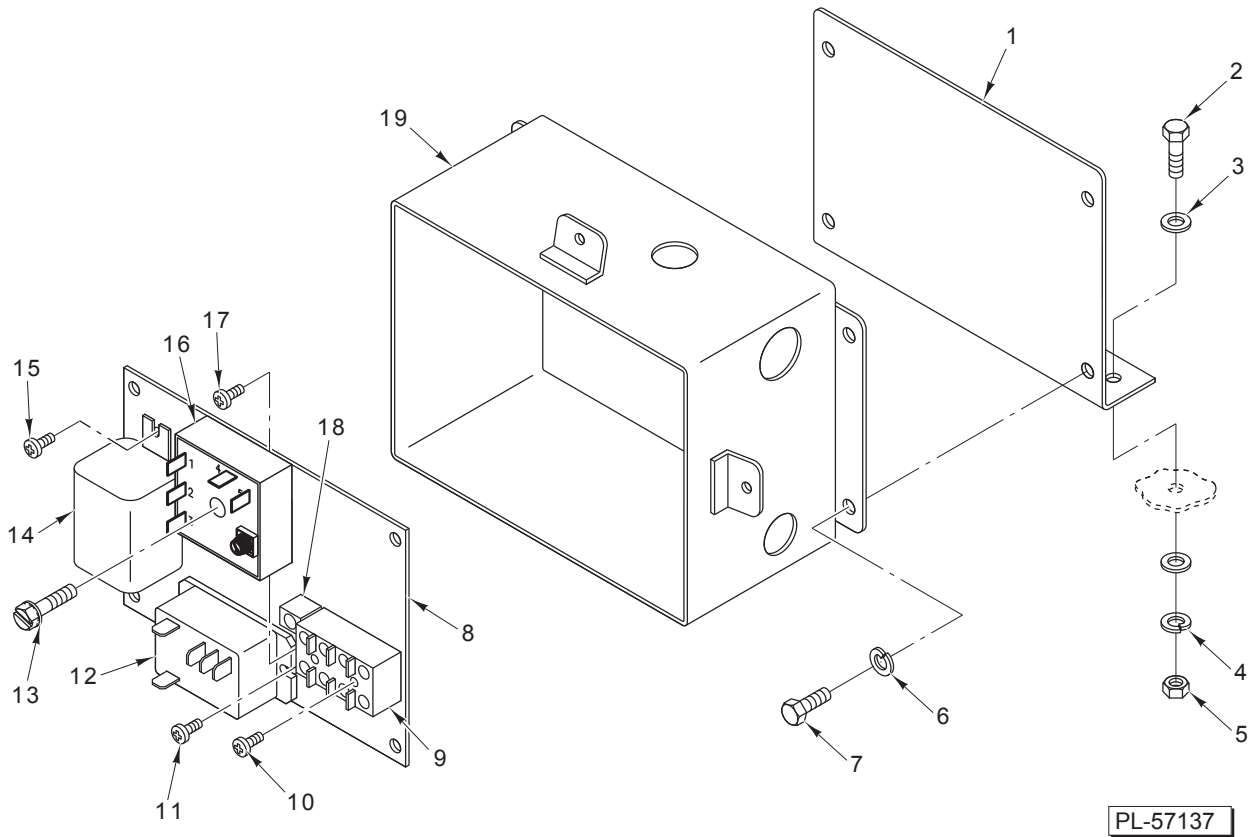
PL-57139

**VENT FAN CONTROL  
(PREVIOUS CONSTRUCTION)**

**VENT FAN CONTROL  
(PREVIOUS CONSTRUCTION)**

ILLUS.	PART NO.	NAME OF PART	AMT.
	PL-57139		
*1	00-473429	Box – Electrical (Incls. Lid) .....	1
**2	00-748206-00001	Box – Electrical (Incls. Lid) .....	1
3	00-473427	Plate – Base .....	1
4	00-087714-020-1	Relay 24 VAC (DPDT) .....	2
5	SD-008-18	Self-Tapping Screw 8-18 x 3/8 Phil. Bndg. Hd., Type T.....	4
6	00-118544-00001	Lug – Solderless .....	1
7	SD-008-25	Self-Tapping Screw 10-16 x 1/2 Phil. Pan Hd., Type B .....	1
8	00-814301-00004	Block – Terminal.....	1
9	SD-019-29	Self-Tapping Screw 6-20 x 1/2 Phil. Pan Hd., Type B .....	2
10	SC-041-05	Cap Screw 1/4-20 x 5/8 Hex Hd.....	1
11	00-294500-00028	Transformer (50VA.) (208/240/380/480/60/3)(200/380/415/50/3).....	1
12	SD-008-25	Self-Tapping Screw 10-16 x 1/2 Phil. Pan Hd., Type B .....	4
13	WL-007-12	Lockwasher #10 External Shakeproof .....	4
14	SD-008-18	Self-Tapping Screw 8-18 x 3/8 Phil. Bndg. Hd., Type T.....	1
15	00-294436-00003	Block – Fuse .....	1
16	FE-022-28	Fuse (250 V., 0.5 Amp) .....	1
17	SD-008-17	Self-Tapping Screw 6-20 x 3/8 Phil. Bndg. Hd., Type B .....	1
18	00-087713-086-1	Contactora – Double Pole.....	1
19	SD-008-25	Self-Tapping Screw 10-16 x 1/2 Phil. Pan Hd., Type B .....	2
20	00-087714-00036	Relay Time Delay (Variable) .....	1
21	SD-036-13	Self-Tapping Screw 1/4-20 x 1 1/4 Hex Washer Hd., Type T .....	1
22	WL-007-15	Lockwasher 1/4 External Shakeproof.....	1
23	00-437070-00001	Module – Plug-On.....	1
24	00-473437	Bracket – Control Panel.....	1

\* Used on Machines Built Before 2/4/98.  
 \*\* Used on Machines Built After 2/4/98.

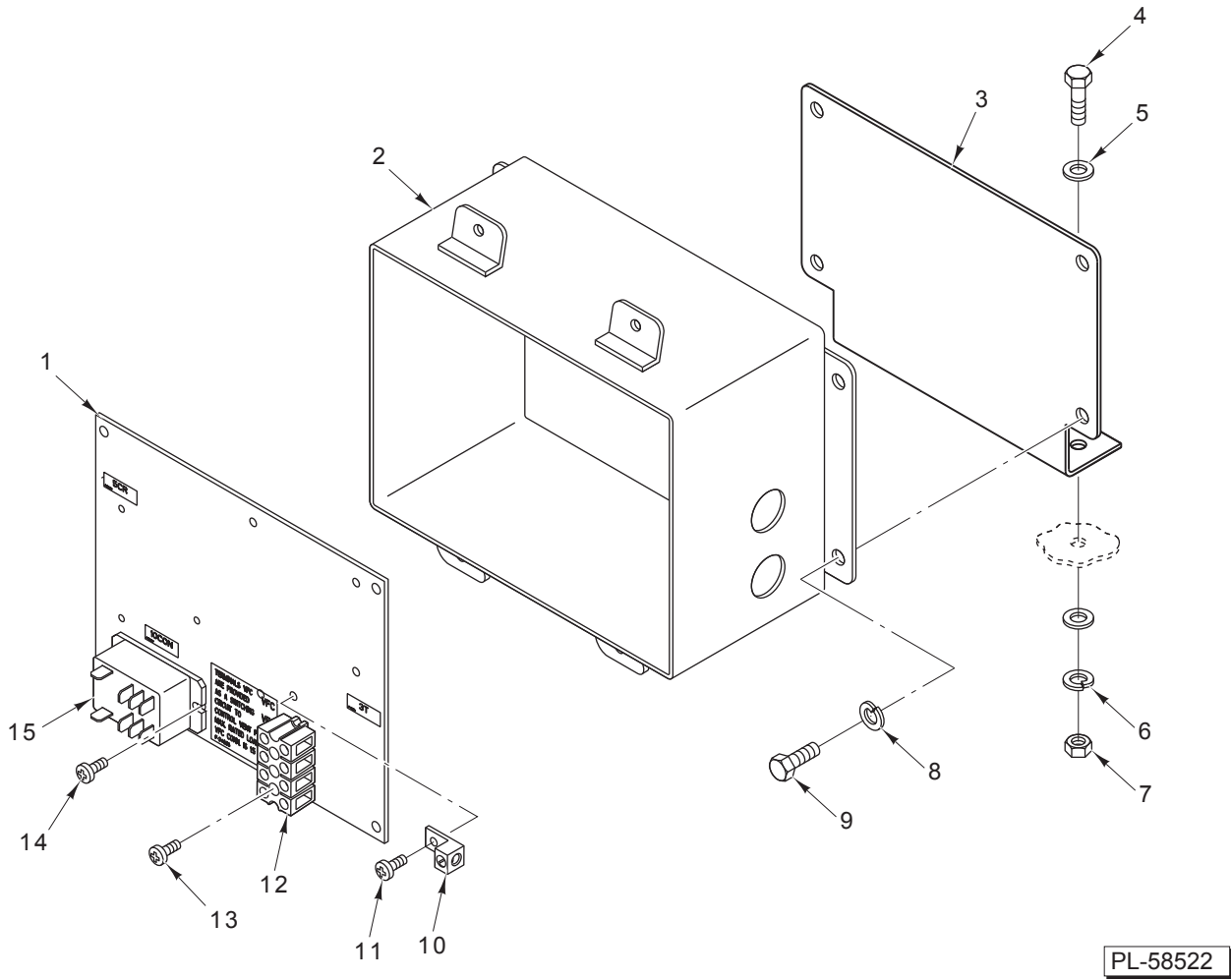


**VENT FAN CONTROL  
(PREVIOUS CONSTRUCTION)**

**VENT FAN CONTROL  
(PREVIOUS CONSTRUCTION)**

ILLUS. PL-57137	PART NO.	NAME OF PART	AMT.
1	00-328697	Bracket – Terminal Box Mounting .....	1
2	SC-041-11	Cap Screw <sup>5</sup> / <sub>16</sub> -18 x <sup>3</sup> / <sub>4</sub> Hex Hd. ....	2
3	WS-017-01	Washer.....	4
4	WL-006-23	Lockwasher <sup>5</sup> / <sub>16</sub> Helical .....	2
5	NS-015-11	Nut <sup>5</sup> / <sub>16</sub> -18 Hex (SST).....	2
6	WL-006-17	Lockwasher <sup>1</sup> / <sub>4</sub> Helical (SST) .....	4
7	SC-041-50	Cap Screw <sup>1</sup> / <sub>4</sub> -20 x <sup>1</sup> / <sub>2</sub> Hex Hd.....	4
8	00-892088	Plate – Base .....	1
9	00-814301-00004	Block – Terminal.....	1
10	SD-019-29	Self-Tapping Screw 6-20 x <sup>1</sup> / <sub>2</sub> Phil. Pan Hd., Type B .....	2
11	SD-008-18	Self-Tapping Screw 8-18 x <sup>3</sup> / <sub>8</sub> Phil. Bndg. Hd., Type B .....	2
12	00-087714-046-1	Relay (2-Pole) (30 Amp.) .....	1
13	SD-036-13	Self-Tapping Screw <sup>1</sup> / <sub>4</sub> -20 x 1 <sup>1</sup> / <sub>4</sub> Hex Washer Hd., Type T .....	1
14	00-087714-020-2	Relay (3PDT) .....	1
15	SD-019-29	Self-Tapping Screw 6-20 x <sup>1</sup> / <sub>2</sub> Phil. Pan Hd., Type B .....	2
16	00-814123	Relay – Single-Shot Time Delay (With Built-In Potentiometer).....	1
17	SD-034-59	Self-Tapping Screw 10-32 x <sup>3</sup> / <sub>8</sub> Phil. Pan Hd., Type T.....	1
18	00-118544-00001	Lug – Solderless .....	1
19	00-274949-00004	Box – Terminal (Incls. Lid).....	1





**VENT FAN CONTROL  
(CURRENT CONSTRUCTION)**

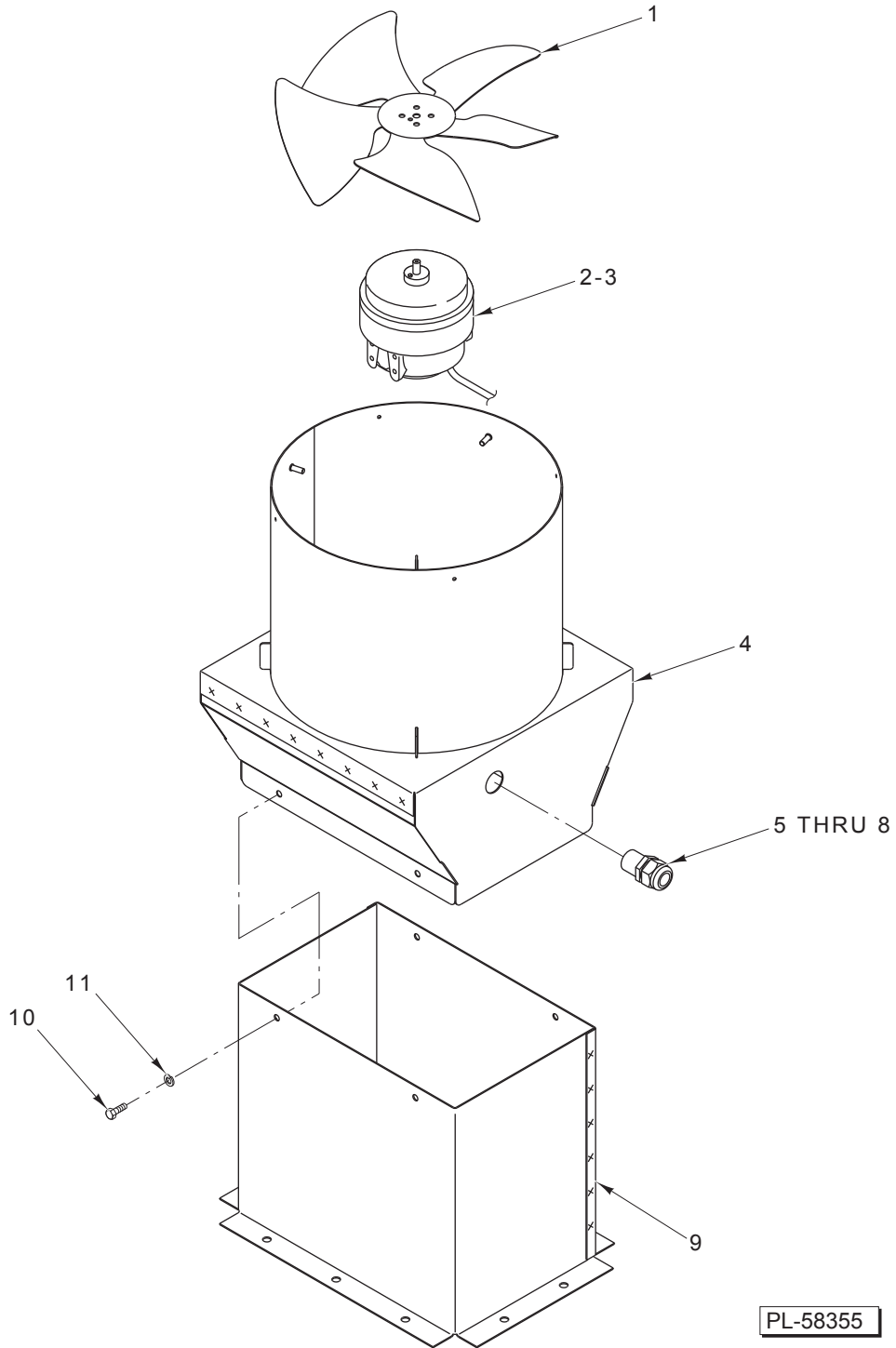
**VENT FAN CONTROL  
(CURRENT CONSTRUCTION)**

ILLUS.	PART NO.	NAME OF PART	AMT.
PL-58522			
1	00-918280	Plate – Base .....	1
2	00-918282	Box – Terminal .....	1
3	00-918281	Bracket – Terminal Mounting Box .....	1
4	SC-041-11	Cap Screw <sup>5</sup> / <sub>16</sub> -18 x <sup>3</sup> / <sub>4</sub> Hex Hd. ....	2
5	WS-017-01	Washer.....	4
6	WL-006-23	Lockwasher <sup>5</sup> / <sub>16</sub> Helical .....	2
7	NS-015-11	Nut <sup>5</sup> / <sub>16</sub> -18 Hex (SST).....	2
8	WL-006-17	Lockwasher <sup>1</sup> / <sub>4</sub> Helical (SST).....	4
9	SC-041-50	Cap Screw <sup>1</sup> / <sub>4</sub> -20 x <sup>1</sup> / <sub>2</sub> Hex Hd.....	4
10	00-118544-00001	Lug – Solderless .....	1
11	SD-034-59	Self-Tapping Screw 10-32 x <sup>3</sup> / <sub>8</sub> Phil. Pan Hd., Type T.....	1
12	00-814301-00004	Block – Terminal.....	1
13	SD-019-29	Self-Tapping Screw 6-20 x <sup>1</sup> / <sub>2</sub> Phil. Pan Hd., Type B .....	2
14	SD-008-18	Self-Tapping Screw 8-18 x <sup>3</sup> / <sub>8</sub> Phil. Bndg. Hd., Type B .....	2
15	00-087714-046-1	Relay (2-Pole) (30 Amp.) .....	1



**POWERED VENT FAN CONTROL**

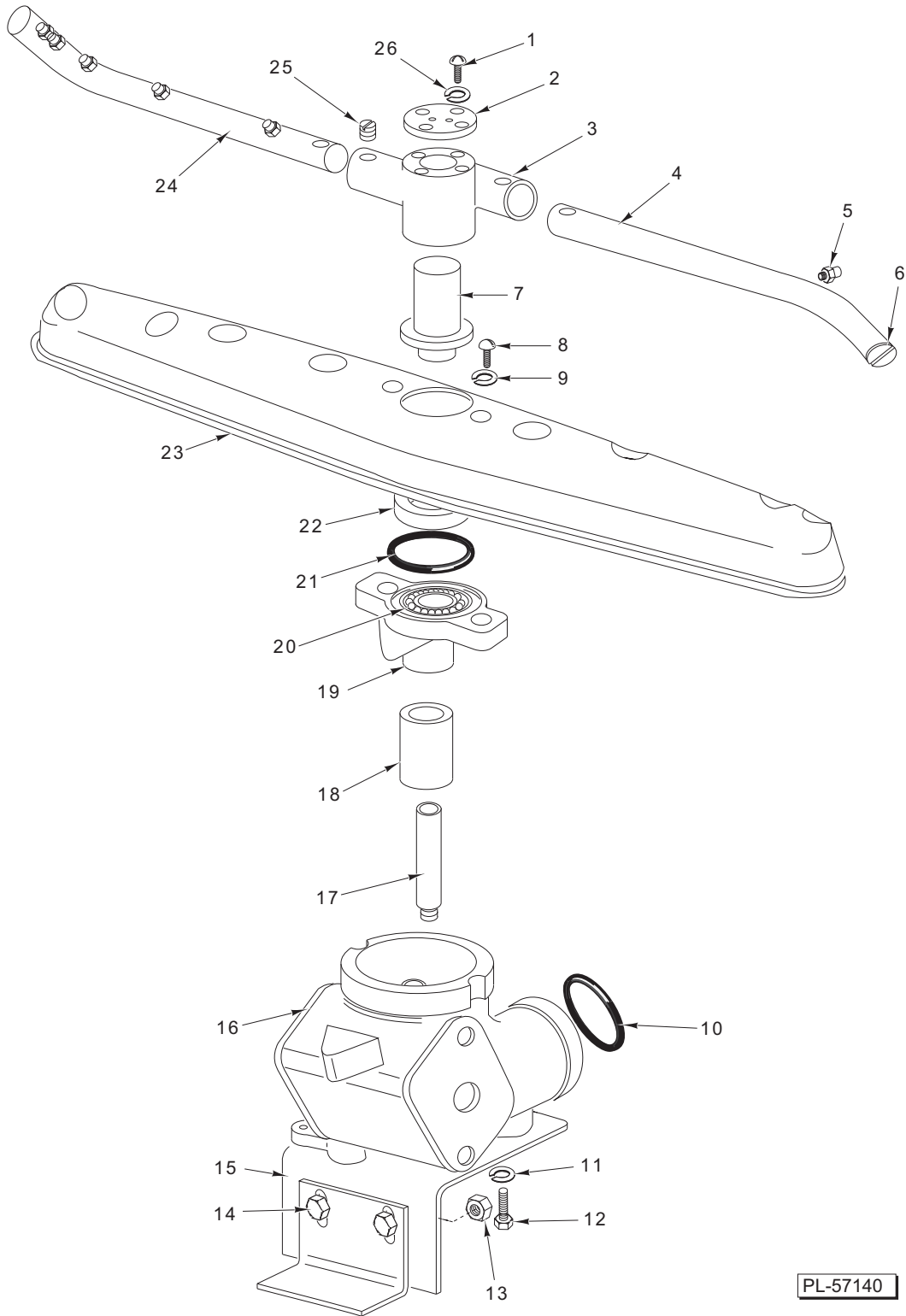
ILLUS.	PART NO.	NAME OF PART	AMT.
PL-58354			
1	SD-019-29	Self-Tapping Screw 6-20 x 1/2 Phil. Pan Hd., Type B .....	2
2	00-087714-020-2	Relay (3PDT) .....	1
3	SD-036-13	Self-Tapping Screw 1/4-20 x 1 1/4 Hex Washer Hd., Type T .....	1
4	00-087714-046-1	Relay (2-Pole) (30 Amp.) .....	1
5	SD-008-18	Self-Tapping Screw 8-18 x 3/8 Phil. Bndg. Hd., Type B .....	2
6	SD-019-29	Self-Tapping Screw 6-20 x 1/2 Phil. Pan Hd., Type B .....	2
7	00-814301-00004	Block – Terminal .....	1
8	SD-034-59	Self-Tapping Screw 10-32 x 3/8 Phil. Pan Hd., Type T .....	1
9	00-118544-00001	Lug – Solderless .....	1
10	FE-022-39	Fuse (250 V., 1.5 Amp.) .....	1
11	SD-019-29	Self-Tapping Screw 6-20 x 1/2 Phil. Pan Hd. Type B .....	1
12	00-294436-00003	Block – Fuse .....	1
13	00-918280	Plate – Base .....	1
14	00-814123	Relay – Single Shot Time Delay (With Built In Potentiometer) .....	1
15	00-294500-052-1	Transformer (100 VA.) (50/60 Hz.) .....	1
16	SD-008-25	Self-Tapping Screw 10-16 x 1/2 Phil. Pan Hd. Type B .....	4
17	00-918282	Box – Terminal .....	1
18	00-918281	Bracket – Terminal Mounting Box .....	1
19	SC-041-11	Cap Screw 5/16-18 x 3/4 Hex Hd. ....	2
20	WS-017-01	Washer .....	4
21	WL-006-23	Lockwasher 5/16 Helical .....	2
22	NS-015-11	Nut 5/16-18 Hex (SST) .....	2
23	WL-006-17	Lockwasher 1/4 Helical (SST) .....	4
24	SC-041-50	Cap Screw 1/4-20 x 1/2 Hex Hd. ....	4



**VENT EXHAUST ASSEMBLY**

**VENT EXHAUST ASSEMBLY**

ILLUS.	PART NO.	NAME OF PART	AMT.
PL-58355			
1	00-892250	Blade – Fan (10 <sup>1</sup> / <sub>2</sub> -In. Wing) .....	1
2	00-892353	Motor – Fan (Exhaust) (230 V.) (Previous Construction) .....	1
3	00-918088	Motor – Fan (Exhaust) (120 V.) (Current Construction) .....	1
4	00-892097	Duct – Exhaust .....	1
5	FE-022-84	Relief – Strain .....	2
6	FE-024-88	Lock Nut – Electric <sup>1</sup> / <sub>2</sub> (Powered Vent Controls).....	2
7	FE-024-61	Connector – Conduit <sup>1</sup> / <sub>2</sub> to 45 Deg. (Nonpowered Vent Controls) .....	1
8	FE-024-65	Connector – Conduit <sup>1</sup> / <sub>2</sub> to 90 Deg. (Nonpowered Vent Controls) .....	1
9	00-812500	Vent – Weldment.....	1
10	SC-067-07	Mach. Screw 10-24 x <sup>1</sup> / <sub>2</sub> Hex Hd.....	4
11	WS-019-20	Washer.....	4
	00-814347	Vent – Stack (Incls. Item 9).....	1
	00-918959	Kit – Powered Vent Fan (Incls. Items 1, 3, 4, 5, 6, 9, 10, & 11) .....	1



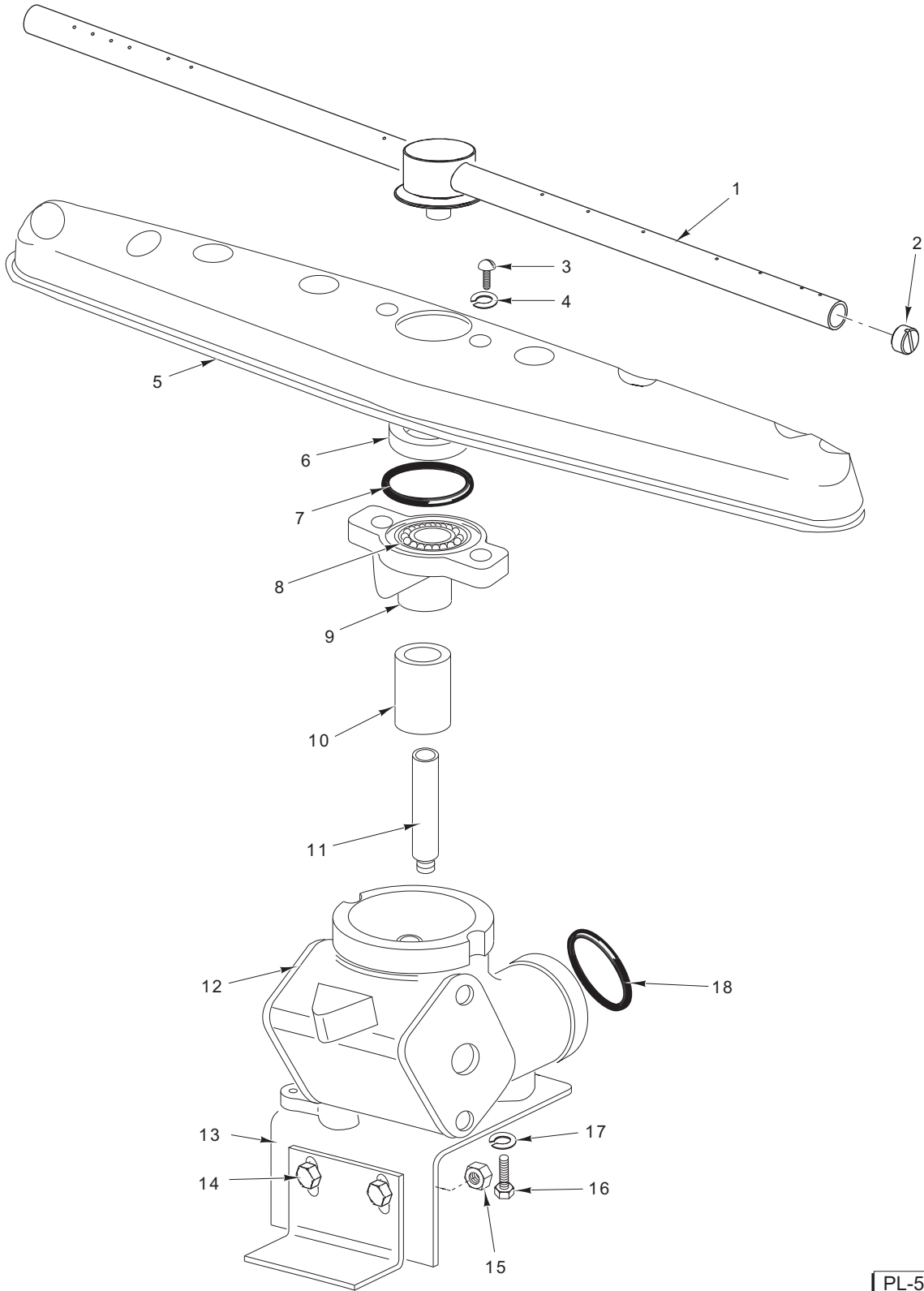
PL-57140

**LOWER WASH ARM  
(2 UNITS REQUIRED) (PREVIOUS CONSTRUCTION)**

**LOWER WASH ARM  
(2 UNITS REQUIRED) (PREVIOUS CONSTRUCTION)**

ILLUS. PL-57140	PART NO.	NAME OF PART	AMT.
1	SC-021-98	Mach. Screw 8-32 x 3/8 Phil. Rd. Hd. ....	4
2	00-021137	Plate – Pivot Bearing .....	1
3	00-122633	Body – Lower Rinse Arm .....	1
4	00-122443-00002	Arm – Rinse (4 Nozzle Holes) .....	1
5	00-022731-00001	Nozzle – Rinse .....	9
6	00-122440	Plug – Rinse Arm .....	2
7	00-286946	Bearing Pin & Washer Assy. ....	1
8	SC-027-28	Mach. Screw 8-32 x 3/8 Slotted Rd. Hd. (Brass).....	3
9	WL-010-01	Lockwasher #8 External Shakeproof.....	3
10	00-067500-00057	O-Ring .....	1
11	WL-006-23	Lockwasher 5/16 Medium (SST).....	2
12	SC-041-09	Cap Screw 5/16-18 x 1/2 Hex Hd. ....	2
13	NS-031-29	Stop Nut 5/16-18 (Elastic) .....	2
14	SC-041-10	Cap Screw 5/16-18 x 5/8 Hex Hd. ....	2
15	00-811816	Bracket – Support .....	1
16	00-289084	Elbow – Upper Wash .....	1
17	00-122437	Shaft – Upper Wash Arm .....	1
18	00-811828	Spacer – Upper Wash Arm .....	1
19	00-286948	Hub .....	1
20	BA-002-40	Ball 1/4 Dia. ....	13
21	00-067500-00019	O-Ring .....	1
22	00-286947	Retainer – Ball .....	1
23	00-287987	Wash Arm & Hub Assy. (Incls. Items 19 thru 22) .....	1
24	00-122442-00002	Arm – Rinse (5 Nozzle Holes) .....	1
25	SC-110-44	Set Screw 5/16-18 x 3/8 Socket Hdls., Cone Pt. (Nylon).....	2
26	WL-006-01	Lockwasher #8 Helical .....	4
	00-811831	Lower Rinse Arm Assy. (2 Per Machine) (Incls. Items 1 thru 6, 24, 25, & 26) .....	1



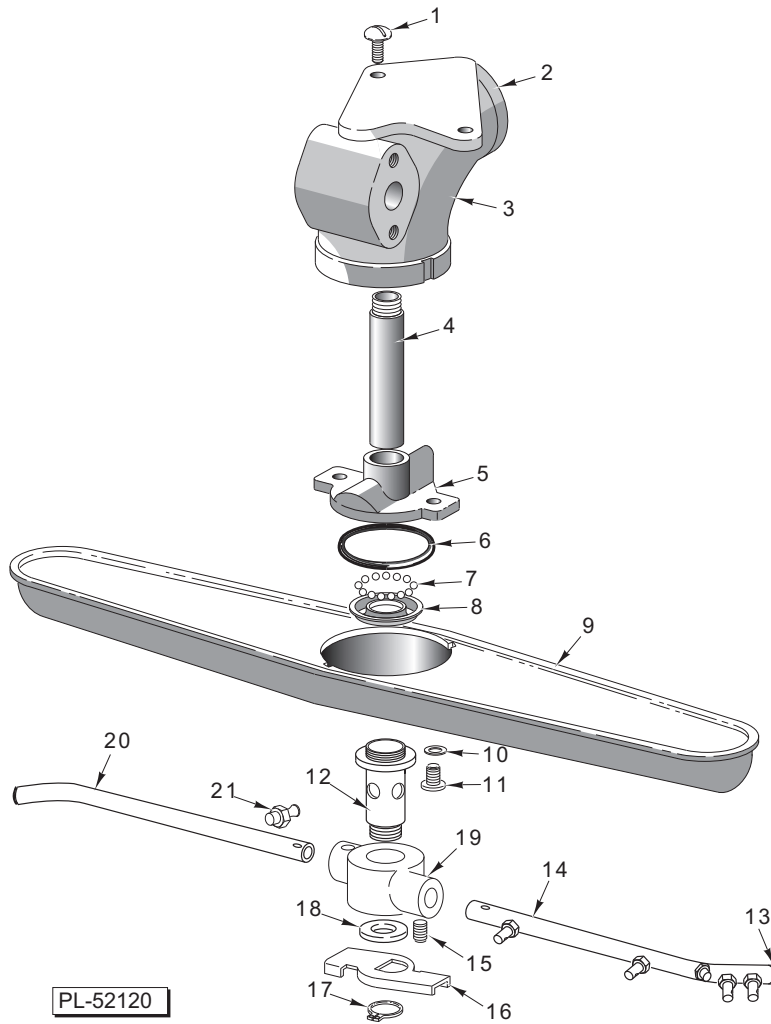


PL-59006

**LOWER WASH ARM  
(2 UNITS REQUIRED) (CURRENT CONSTRUCTION)**

**LOWER WASH ARM  
(2 UNITS REQUIRED) (CURRENT CONSTRUCTION)**

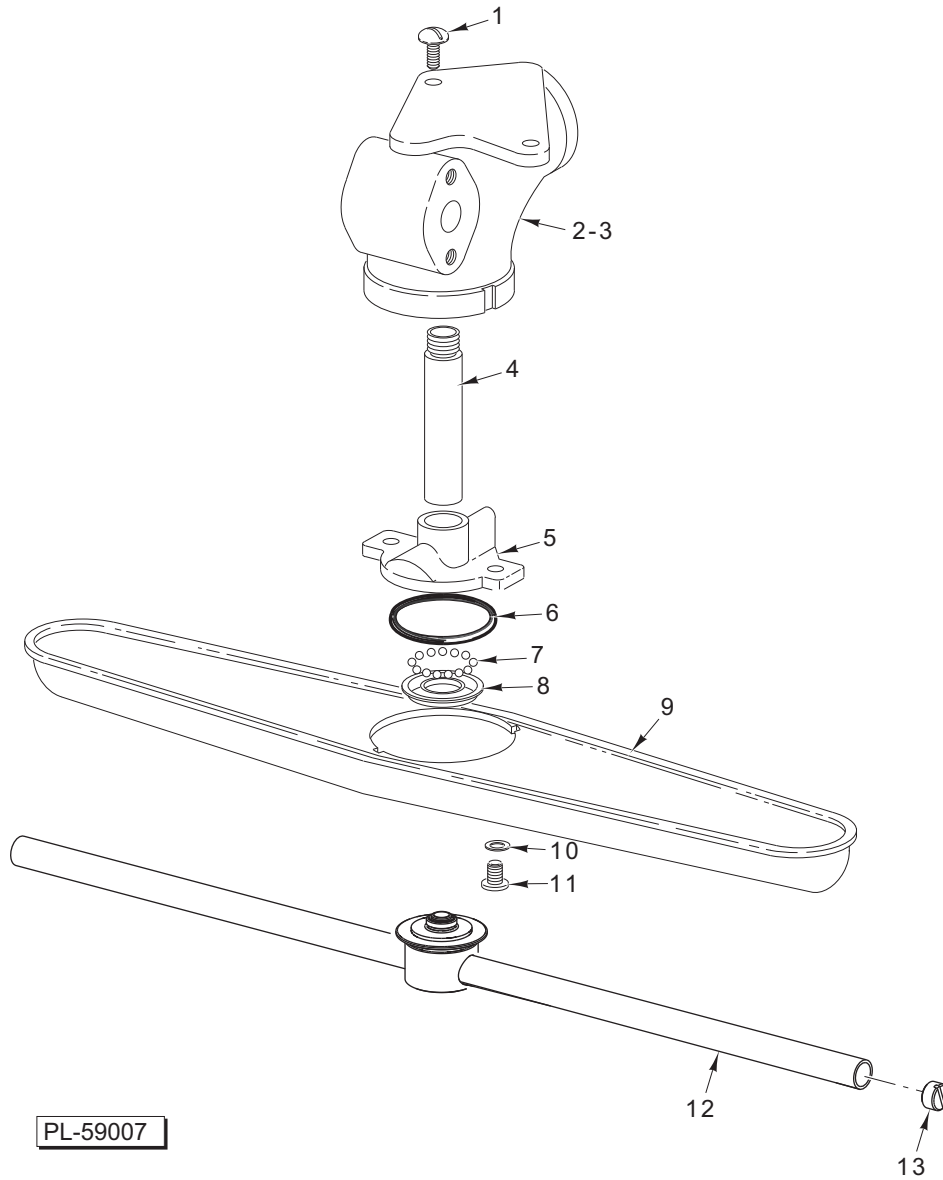
ILLUS. PL-59006	PART NO.	NAME OF PART	AMT.
1	00-893093-00001	Arm Assy. – Rinse (2 Per Machine) .....	1
2	00-893093-00002	Plug Nut – Rinse Arm .....	2
3	SC-027-28	Mach. Screw 8-32 x 3/8 Slotted Rd. Hd. (Brass).....	3
4	WL-010-01	Lockwasher #8 External Shakeproof .....	3
5	00-287987	Wash Arm & Hub Assy. (Incls. Items 6 thru 9) .....	1
6	00-286947	Retainer – Ball .....	1
7	00-067500-00019	O-Ring .....	1
8	BA-002-40	Ball 1/4 Dia. ....	13
9	00-286948	Hub .....	1
10	00-811828	Spacer – Upper Wash Arm .....	1
11	00-122437	Shaft – Upper Wash Arm .....	1
12	00-289084	Elbow – Upper Wash .....	1
13	00-811816	Bracket – Support .....	1
14	SC-041-10	Cap Screw 5/16-18 x 5/8 Hex Hd. ....	2
15	NS-031-29	Stop Nut 5/16-18 (Elastic) .....	2
16	SC-041-09	Cap Screw 5/16-18 x 1/2 Hex Hd. ....	2
17	WL-006-23	Lockwasher 5/16 Medium (SST).....	2
18	00-067500-00057	O-Ring .....	1



**UPPER WASH ARM  
(2 UNITS REQUIRED) (PREVIOUS CONSTRUCTION)**

**UPPER WASH ARM  
(2 UNITS REQUIRED) (PREVIOUS CONSTRUCTION)**

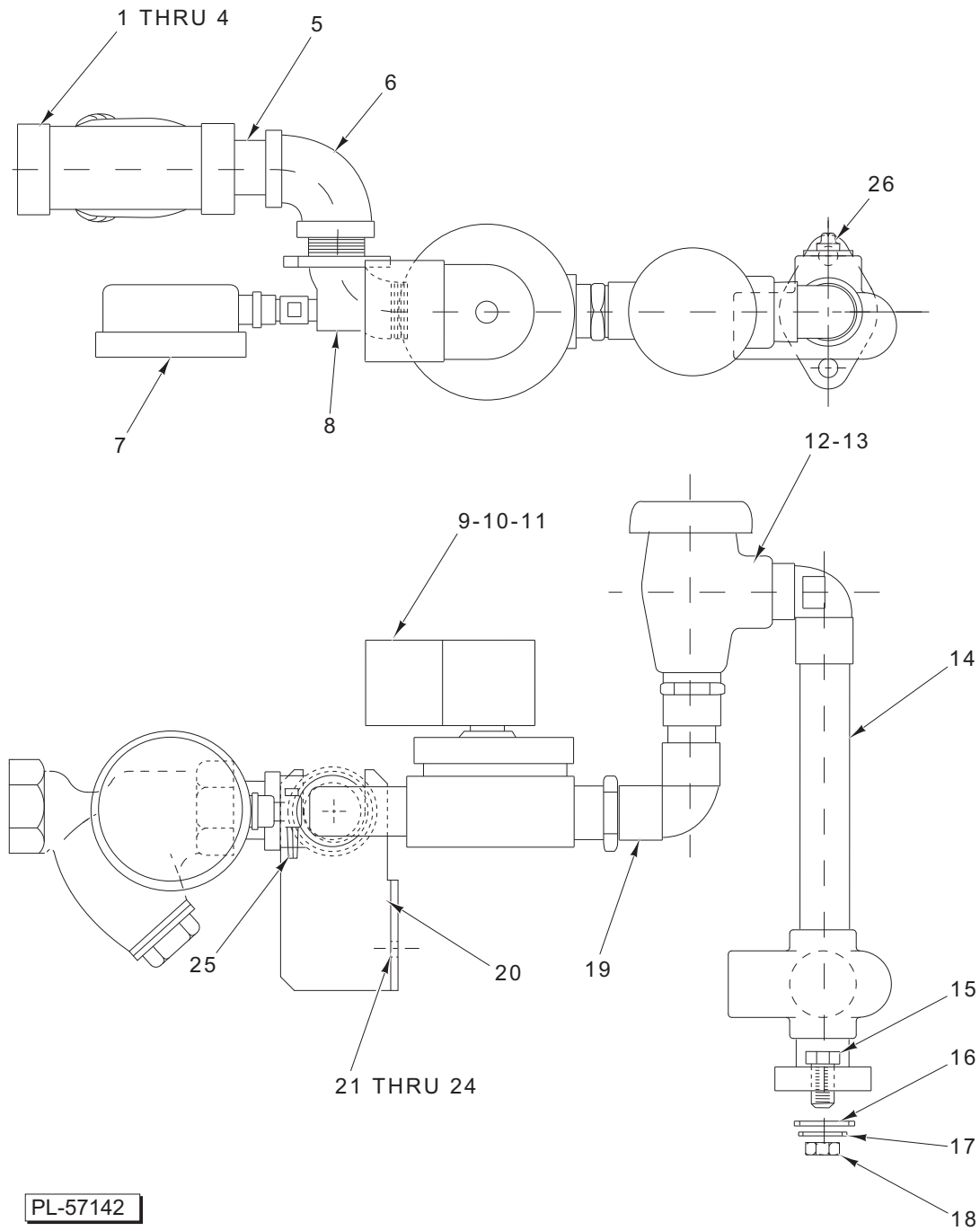
ILLUS. PL-52120	PART NO.	NAME OF PART	AMT.
1	SC-041-09	Cap Screw <sup>5</sup> / <sub>16</sub> -18 x <sup>1</sup> / <sub>2</sub> Hex Hd. ....	2
2	00-067500-00057	O-Ring .....	1
3	00-289084	Elbow – Upper Wash .....	1
4	00-122437	Shaft – Upper Wash Arm .....	1
5	00-286948	Hub .....	1
6	00-067500-00019	O-Ring .....	1
7	BA-002-40	Ball <sup>1</sup> / <sub>4</sub> Dia. ....	13
8	00-286947	Retainer – Ball .....	1
9	00-287987	Wash Arm & Hub Assy. (Incls. Items 5 thru 8) .....	1
10	WL-010-01	Lockwasher #8 External Shakeproof .....	3
11	SC-027-28	Mach. Screw 8-32 x <sup>3</sup> / <sub>8</sub> Slotted Rd. Hd. (Brass).....	3
12	00-122438	Upper Rinse Shaft Assy. ....	1
13	00-122440	Plug – Rinse Arm .....	2
14	00-287908	Arm – Outside Rinse (5 Nozzle Holes) .....	1
15	SC-110-44	Set Screw <sup>5</sup> / <sub>16</sub> -18 x <sup>3</sup> / <sub>8</sub> Socket Hdls., Cone Pt. (Nylon).....	2
16	00-122445	Handle .....	1
17	RR-011-03	Retaining Ring .....	1
18	00-122632	Washer – Thrust .....	1
19	00-122401	Hub – Rinse Arm .....	1
20	00-287913	Arm – Inside Rinse (6 Nozzle Holes).....	1
21	00-022731-00001	Nozzle – Rinse.....	11
	00-811832	Rinse Arm Assy. (Incls. Items 12 thru 21) .....	1



**UPPER WASH ARM  
(2 UNITS REQUIRED) (CURRENT CONSTRUCTION)**

**UPPER WASH ARM  
(2 UNITS REQUIRED) (CURRENT CONSTRUCTION)**

ILLUS. PL-59007	PART NO.	NAME OF PART	AMT.
1	SC-041-09	Cap Screw <sup>5</sup> / <sub>16</sub> -18 x <sup>1</sup> / <sub>2</sub> Hex Hd. ....	2
2	00-067500-00057	O-Ring .....	1
3	00-289084	Elbow – Upper Wash .....	1
4	00-814345	Shaft – Upper Wash Arm .....	1
5	00-286948	Hub .....	1
6	00-067500-00019	O-Ring .....	1
7	BA-002-40	Ball <sup>1</sup> / <sub>4</sub> Dia. ....	13
8	00-286947	Retainer – Ball .....	1
9	00-287987	Wash Arm & Hub Assy. (Incls. Items 5 thru 8) .....	1
10	WL-010-01	Lockwasher #8 External Shakeproof .....	3
11	SC-027-28	Mach. Screw 8-32 x <sup>3</sup> / <sub>8</sub> Slotted Rd. Hd. (Brass).....	3
12	00-893093-00001	Rinse Arm Assy.....	1
13	00-893093-00002	Plug Nut – Rinse Arm .....	2

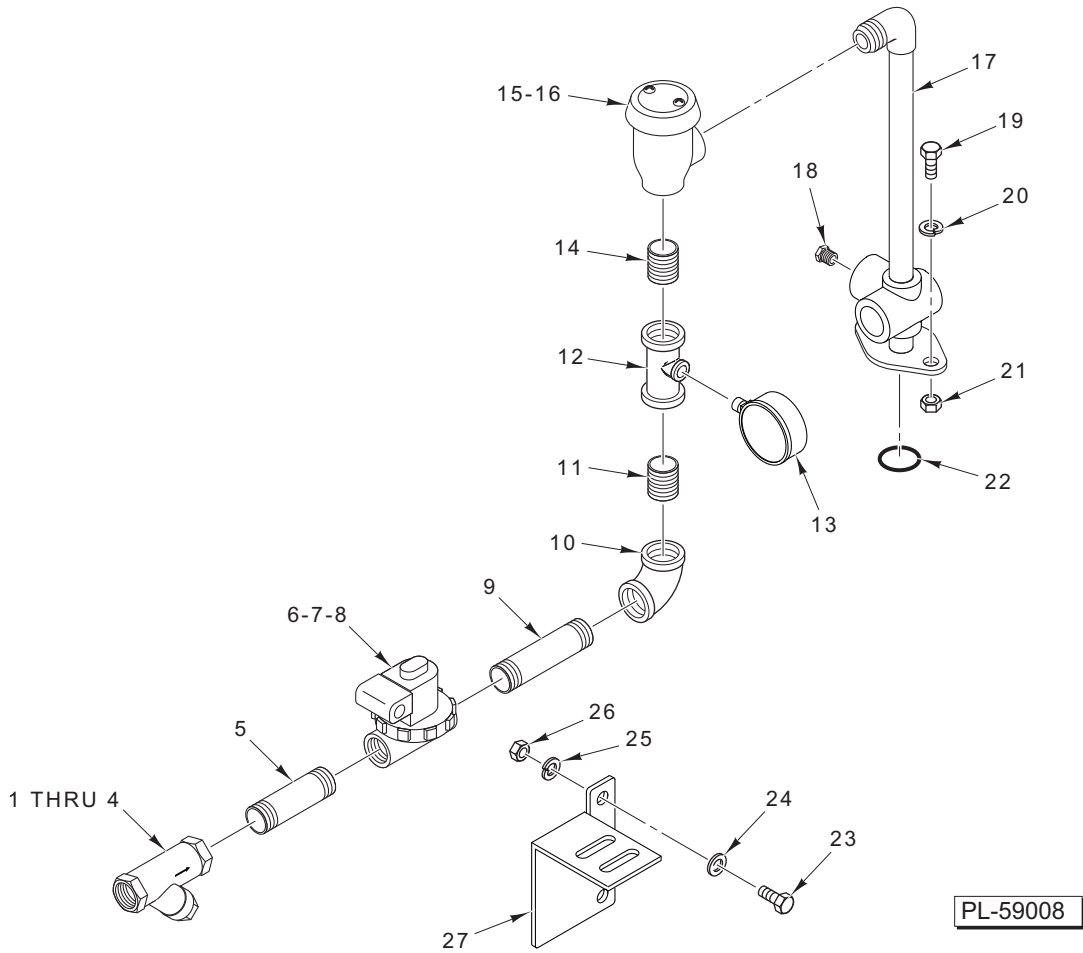


**OUTSIDE RINSE PIPING  
(WITHOUT BOOSTER) (PREVIOUS CONSTRUCTION)**

**OUTSIDE RINSE PIPING  
(WITHOUT BOOSTER) (PREVIOUS CONSTRUCTION)**

ILLUS. PL-57142	PART NO.	NAME OF PART	AMT.
1	00-186922	Strainer – Line <sup>3</sup> / <sub>4</sub> (Brass).....	1
2	00-186923	Plug – Branch ( <sup>3</sup> / <sub>4</sub> Line Strainer).....	1
3	00-186924	Gasket ( <sup>3</sup> / <sub>4</sub> Line Strainer).....	1
4	00-186925	Screen ( <sup>3</sup> / <sub>4</sub> Line Strainer).....	1
5	FP-041-53	Pipe <sup>3</sup> / <sub>4</sub> x 1 <sup>3</sup> / <sub>4</sub> Lg. TBE (Brass).....	1
6	FP-015-23	Elbow <sup>3</sup> / <sub>4</sub> x 90 Deg. (Brass).....	1
7	00-918460	Gauge – Water Pressure.....	1
8	00-119066	Tee – Pressure Gauge.....	1
9	00-271002-00001	Valve – Solenoid <sup>3</sup> / <sub>4</sub> (110-120 V.).....	1
10	00-271838	Service Kit – <sup>3</sup> / <sub>4</sub> Solenoid Valve.....	1
11	00-271839-00001	Coil – Solenoid Valve.....	1
12	00-277112	Vacuum Breaker ( <sup>3</sup> / <sub>4</sub> ).....	1
13	00-118270	Service Kit – Vacuum Breaker (Float & Seal Assy.).....	1
14	00-812556	Final Rinse Outside Piping (R-L).....	1
15	SC-041-13	Cap Screw <sup>5</sup> / <sub>16</sub> -18 x 1 Hex Hd. (SST).....	2
16	00-067500-00012	O-Ring.....	1
17	WL-006-23	Lockwasher <sup>5</sup> / <sub>16</sub> Medium (SST).....	2
18	NS-015-11	Nut <sup>5</sup> / <sub>16</sub> -18 Hex.....	2
19	00-271001	Piping – Final Rinse.....	1
20	00-893696	Bracket – Mounting.....	1
21	SC-041-12	Cap Screw <sup>5</sup> / <sub>16</sub> -18 x <sup>7</sup> / <sub>8</sub> Hex Hd.....	2
22	WS-029-05	Washer.....	4
23	WL-006-23	Lockwasher <sup>5</sup> / <sub>16</sub> Medium (SST).....	2
24	NS-015-11	Nut <sup>5</sup> / <sub>16</sub> -18 Hex.....	2
25	00-473041	Valve – Ball ( <sup>1</sup> / <sub>4</sub> turn).....	1
26	FP-028-03	Pipe Plug <sup>1</sup> / <sub>8</sub> Sq. Hd. (Brass).....	1

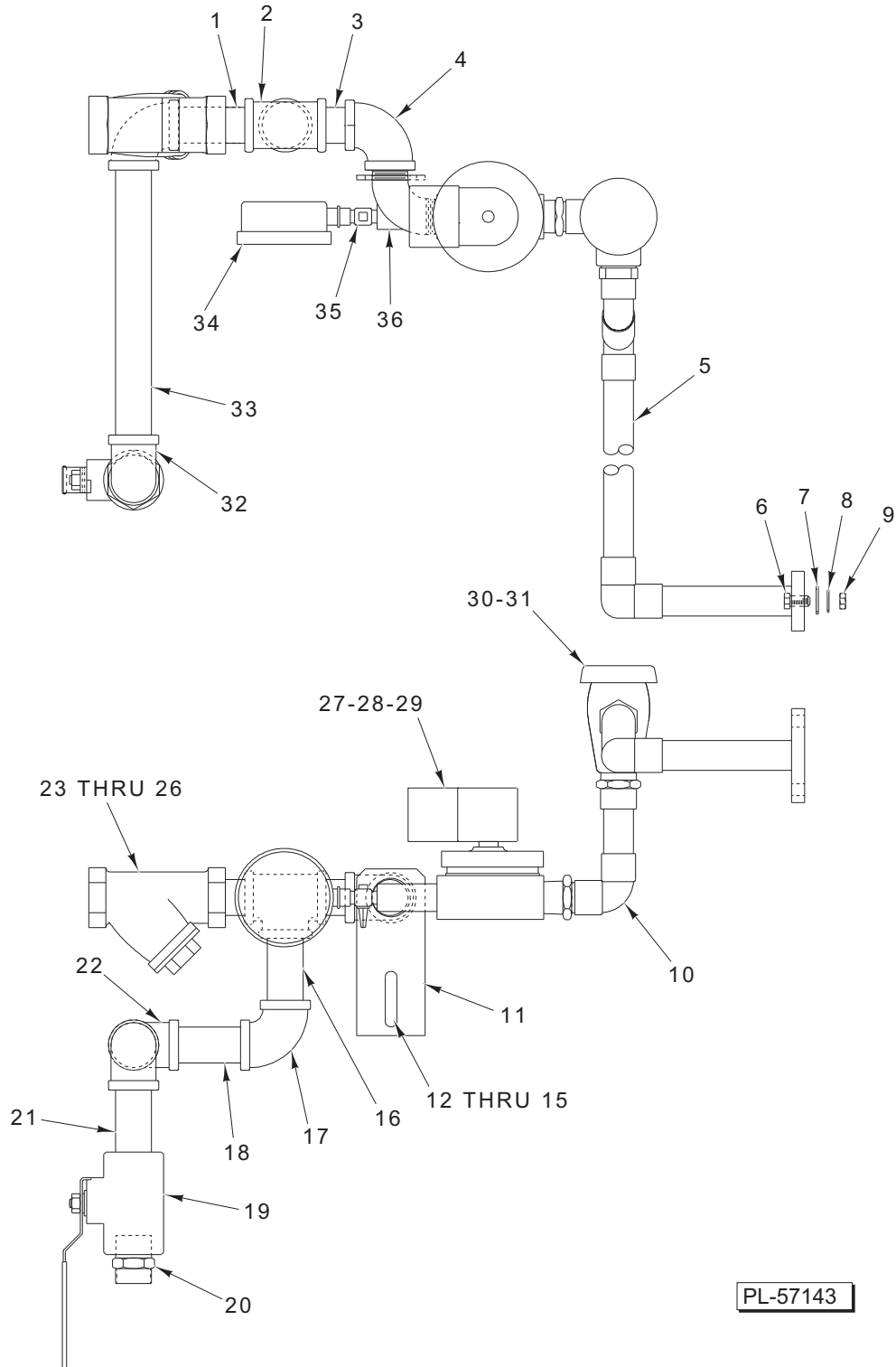




**OUTSIDE RINSE PIPING  
(WITHOUT BOOSTER) (CURRENT CONSTRUCTION)**

**OUTSIDE RINSE PIPING  
(WITHOUT BOOSTER) (CURRENT CONSTRUCTION)**

ILLUS.	PART NO.	NAME OF PART	AMT.
PL-59008			
1	00-186922	Strainer – Line <sup>3</sup> / <sub>4</sub> (Brass).....	1
2	00-186923	Plug – Branch ( <sup>3</sup> / <sub>4</sub> Line Strainer).....	1
3	00-186924	Gasket ( <sup>3</sup> / <sub>4</sub> Line Strainer).....	1
4	00-186925	Screen ( <sup>3</sup> / <sub>4</sub> Line Strainer).....	1
5	FP-041-60	Pipe <sup>3</sup> / <sub>4</sub> x 2 <sup>5</sup> / <sub>8</sub> Lg. TBE (Brass).....	1
6	00-271002-00001	Valve – Solenoid <sup>3</sup> / <sub>4</sub> (110-120 V.).....	1
7	00-271838	Service Kit – <sup>3</sup> / <sub>4</sub> Solenoid Valve.....	1
8	00-271839-00001	Coil – Solenoid Valve.....	1
9	FP-041-72	Pipe <sup>3</sup> / <sub>4</sub> x 3 <sup>1</sup> / <sub>8</sub> Lg. TBE (Brass).....	1
10	FP-015-23	Elbow <sup>3</sup> / <sub>4</sub> x 90 Deg. (Brass).....	1
11	FP-041-50	Pipe <sup>3</sup> / <sub>4</sub> x 1 <sup>3</sup> / <sub>8</sub> Lg. TBE (Brass).....	1
12	FP-019-86	Tee <sup>3</sup> / <sub>4</sub> x <sup>3</sup> / <sub>4</sub> x <sup>1</sup> / <sub>4</sub> (Brass).....	1
13	00-918460	Gauge – Water Pressure.....	1
14	FP-041-50	Pipe <sup>3</sup> / <sub>4</sub> x 1 <sup>3</sup> / <sub>8</sub> Lg. TBE (Brass).....	1
15	00-277112-00003	Vacuum Breaker ( <sup>3</sup> / <sub>4</sub> ).....	1
16	00-118270	Service Kit – Vacuum Breaker (Float & Seal Assy.).....	1
17	00-812556	Final Rinse Outside Piping (R-L).....	1
18	FP-028-03	Pipe Plug <sup>1</sup> / <sub>8</sub> Sq. Hd. (Brass).....	1
19	SC-041-13	Cap Screw <sup>5</sup> / <sub>16</sub> -18 x 1 Hex Hd. (SST).....	2
20	WL-006-23	Lockwasher <sup>5</sup> / <sub>16</sub> Medium (SST).....	2
21	NS-015-11	Nut <sup>5</sup> / <sub>16</sub> -18 Hex.....	2
22	00-067500-00012	O-Ring.....	1
23	SC-041-12	Cap Screw <sup>5</sup> / <sub>16</sub> -18 x <sup>7</sup> / <sub>8</sub> Hex Hd. ....	2
24	WS-029-05	Washer.....	4
25	WL-006-23	Lockwasher <sup>5</sup> / <sub>16</sub> Medium (SST).....	2
26	NS-015-11	Nut <sup>5</sup> / <sub>16</sub> -18 Hex.....	2
27	00-814272	Bracket – Fill Piping.....	1
	00-814270	Piping – Final Rinse (Incls. Items 1 thru 17).....	1

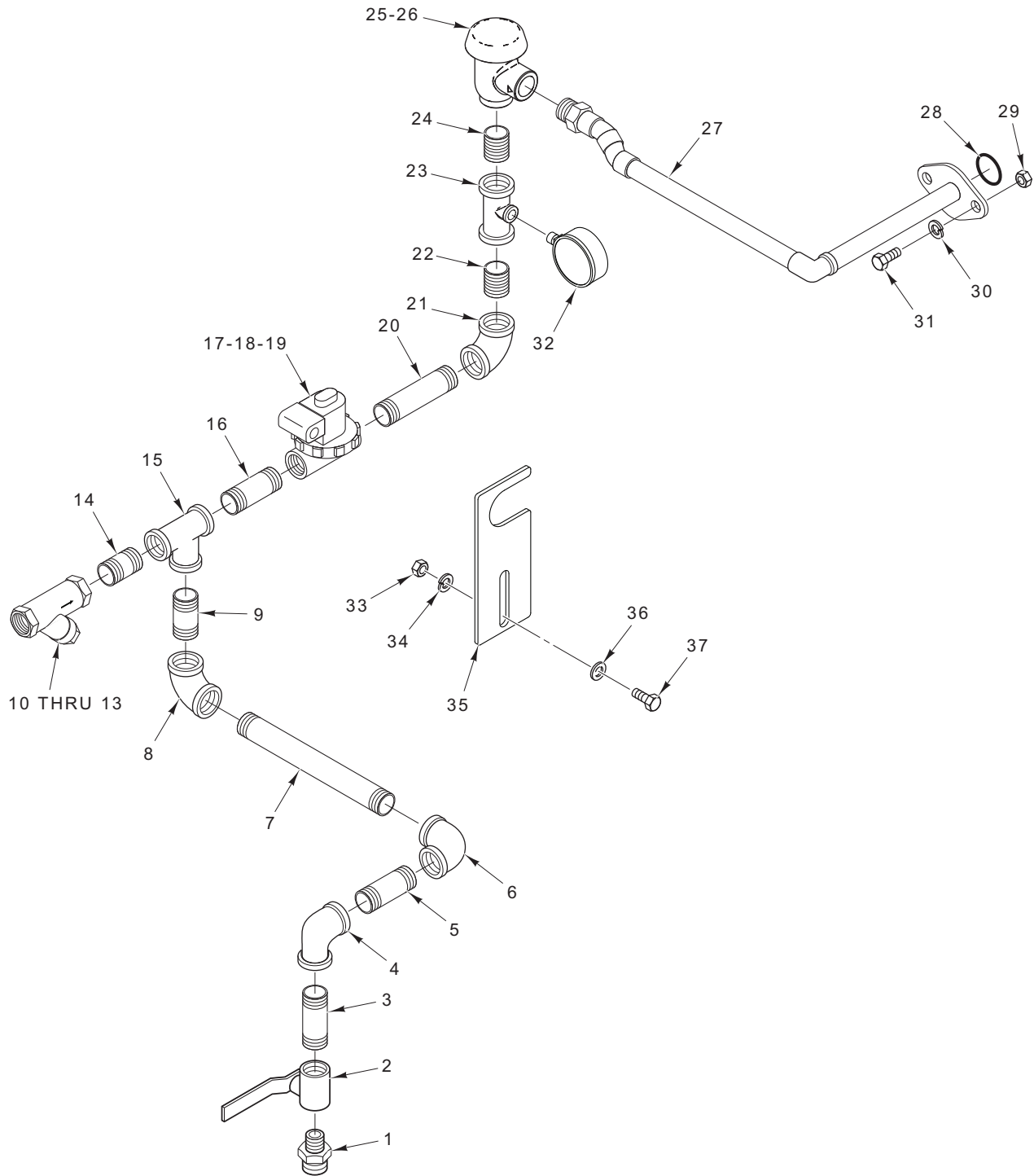


PL-57143

**OUTSIDE RINSE PIPING  
(WITH BOOSTER) (PREVIOUS CONSTRUCTION)**

**OUTSIDE RINSE PIPING  
(WITH BOOSTER) (PREVIOUS CONSTRUCTION)**

ILLUS. PL-57143	PART NO.	NAME OF PART	AMT.
1	FP-041-50	Pipe 3/4 x 1 3/8 Lg. TBE (Brass).....	1
2	FP-019-28	Tee – Pipe 3/4 x 3/4 x 3/4 .....	1
3	FP-041-50	Pipe 3/4 x 1 3/8 Lg. TBE (Brass).....	1
4	FP-015-23	Elbow 3/4 x 90 Deg. (Brass).....	1
5	00-812338	Piping – Breaker/Flange .....	1
6	SC-041-13	Cap Screw 5/16-18 x 1 Hex Hd. (SST) .....	2
7	00-067500-00012	O-Ring .....	1
8	WL-006-23	Lockwasher 5/16 Medium (SST).....	2
9	NS-015-11	Nut 5/16-18 Hex.....	2
10	00-812716	Piping – Final Rinse.....	1
11	00-435967	Plate – Fill Piping.....	1
12	SC-041-12	Cap Screw 5/16-18 x 7/8 Hex Hd. ....	2
13	WS-029-05	Washer.....	4
14	WL-006-23	Lockwasher 5/16 Medium (SST).....	2
15	NS-015-11	Nut 5/16-18 Hex.....	2
16	FP-041-60	Pipe 3/4 x 2 5/8 TBE (Brass).....	1
17	FP-015-23	Elbow 3/4 x 90 Deg. (Brass).....	1
18	FP-041-60	Pipe 3/4 x 2 5/8 TBE (Brass).....	1
19	00-223220-00003	Valve – Ball (3/4) .....	1
20	FP-087-32	Fitting – Hose.....	1
21	FP-041-60	Pipe 3/4 x 2 5/8 TBE (Brass).....	1
22	FP-015-23	Elbow 3/4 x 90 Deg. (Brass).....	1
23	00-186922	Strainer – Line 3/4 (Brass).....	1
24	00-186923	Plug – Branch (3/4 Line Strainer) .....	1
25	00-186924	Gasket (3/4 Line Strainer) .....	1
26	00-186925	Screen (3/4 Line Strainer) .....	1
27	00-271002-00001	Valve – Solenoid 3/4 (110-120 V.) .....	1
28	00-271838	Service Kit – 3/4 Solenoid Valve.....	1
29	00-271839-00001	Coil – Solenoid Valve.....	1
30	00-277112	Vacuum Breaker (3/4) .....	1
31	00-118270	Service Kit – Vacuum Breaker (Float & Seal Assy.).....	1
32	FP-015-23	Elbow 3/4 x 90 Deg. (Brass).....	1
33	FP-042-15	Pipe 3/4 x 8 1/2 TBE (Brass).....	1
34	00-918460	Gauge – Water Pressure .....	1
35	00-473041	Valve – Ball (1/4 Turn) .....	1
36	00-119066	Tee – Pressure Gauge.....	1

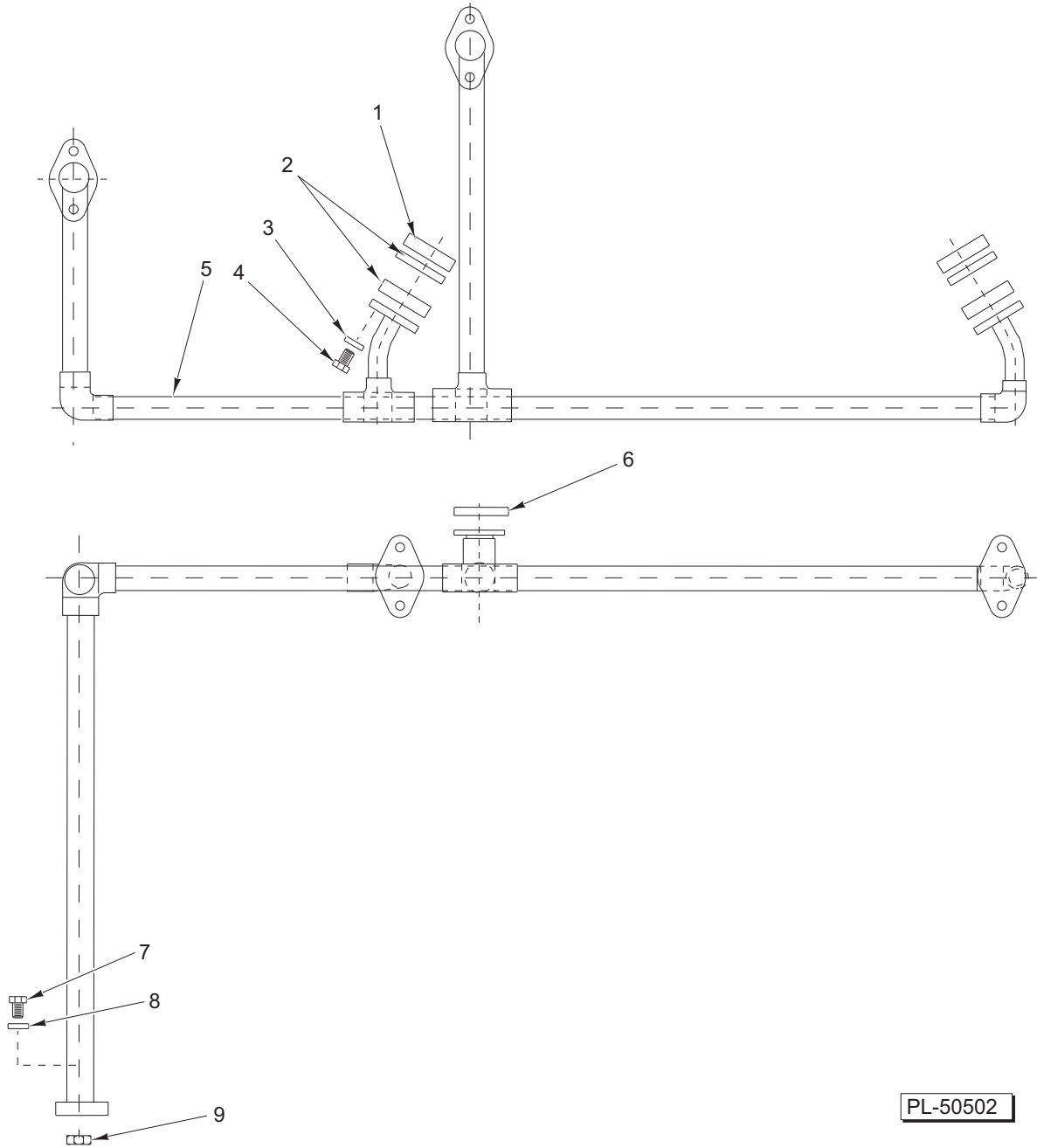


PL-59009

**OUTSIDE RINSE PIPING  
(WITH BOOSTER) (CURRENT CONSTRUCTION)**

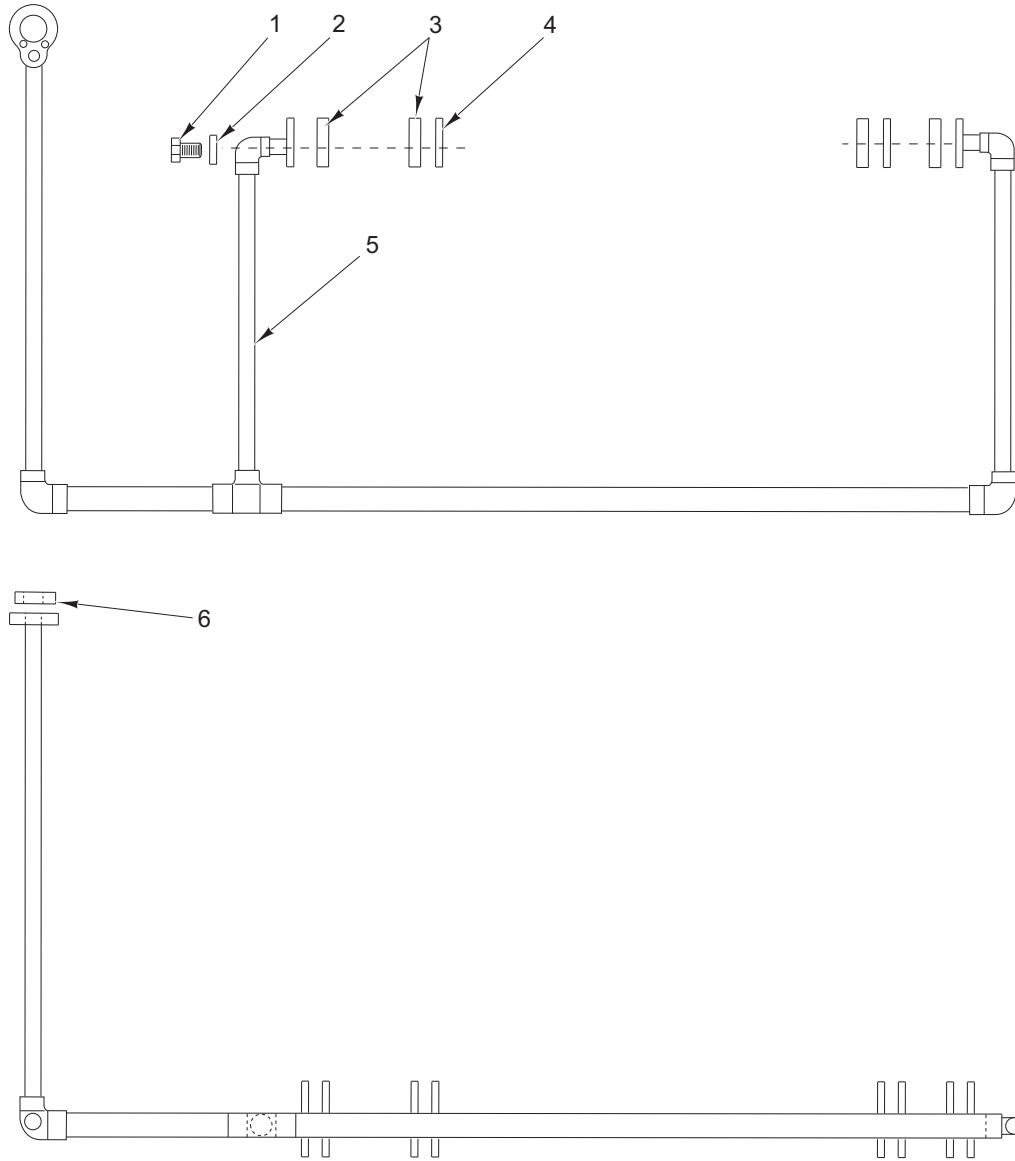
**OUTSIDE RINSE PIPING  
(WITH BOOSTER) (CURRENT CONSTRUCTION)**

ILLUS. PL-59009	PART NO.	NAME OF PART	AMT.
1	FP-087-32	Fitting – Hose.....	1
2	00-223220-00003	Valve – Ball (3/4) .....	1
3	FP-041-60	Pipe 3/4 x 2 5/8 TBE (Brass).....	1
4	FP-015-23	Elbow 3/4 x 90 Deg. (Brass).....	1
5	FP-041-60	Pipe 3/4 x 2 5/8 TBE (Brass).....	1
6	FP-015-23	Elbow 3/4 x 90 Deg. (Brass).....	1
7	FP-041-96	Pipe 3/4 x 6 Lg. TBE (Brass) .....	1
8	FP-015-23	Elbow 3/4 x 90 Deg. (Brass).....	1
9	FP-041-53	Pipe 3/4 x 1 3/4 TBE (Brass).....	1
10	00-186922	Strainer – Line 3/4 (Brass).....	1
11	00-186923	Plug – Branch (3/4 Line Strainer) .....	1
12	00-186924	Gasket (3/4 Line Strainer) .....	1
13	00-186925	Screen (3/4 Line Strainer) .....	1
14	FP-041-50	Pipe 3/4 x 1 3/8 Lg. TBE (Brass).....	1
15	FP-019-28	Tee – Pipe 3/4 x 3/4 x 3/4 .....	1
16	FP-041-60	Pipe 3/4 x 2 5/8 TBE (Brass).....	1
17	00-271002-00001	Valve – Solenoid 3/4 (110-120 V.) .....	1
18	00-271838	Service Kit – 3/4 Solenoid Valve.....	1
19	00-271839-00001	Coil – Solenoid Valve.....	1
20	FP-041-72	Pipe 3/4 x 3 1/8 Lg. TBE (Brass).....	1
21	FP-015-23	Elbow 3/4 x 90 Deg. (Brass).....	1
22	FP-041-50	Pipe 3/4 x 1 3/8 Lg. TBE (Brass).....	1
23	FP-019-86	Tee – Pipe 3/4 x 3/4 x 1/4 (Brass).....	1
24	FP-041-50	Pipe 3/4 x 1 3/8 Lg. TBE (Brass).....	1
25	00-277112-00003	Vacuum Breaker (3/4).....	1
26	00-118270	Service Kit – Vacuum Breaker (Float & Seal Assy.).....	1
27	00-812338	Piping – Breaker/Flange .....	1
28	00-067500-00012	O-Ring .....	1
29	NS-015-11	Nut 5/16-18 Hex.....	2
30	WL-006-23	Lockwasher 5/16 Medium (SST) .....	2
31	SC-041-13	Cap Screw 5/16-18 x 1 Hex Hd. (SST) .....	2
32	00-918460	Gauge – Water Pressure .....	1
33	NS-015-11	Nut 5/16-18 Hex.....	2
34	WL-006-23	Lockwasher 5/16 Medium (SST).....	2
35	00-814271	Plate – Fill Piping .....	1
36	WS-029-05	Washer.....	4
37	SC-041-12	Cap Screw 5/16-18 x 7/8 Hex Hd. ....	2



**UPPER INSIDE RINSE PIPING**

ILLUS.	PART NO.	NAME OF PART	AMT.
PL-50502			
1	00-122402-00002	Flange.....	2
2	00-276407	Gasket – Rinse Pipe.....	4
3	WL-006-23	Lockwasher <sup>5</sup> / <sub>16</sub> Medium (SST).....	8
4	SC-041-10	Cap Screw <sup>5</sup> / <sub>16</sub> -18 x <sup>5</sup> / <sub>8</sub> Hex Hd. ....	8
5	00-811820	Upper Rinse Piping Assy.....	1
6	00-276407	Gasket – Rinse Pipe.....	1
7	SC-041-15	Cap Screw <sup>5</sup> / <sub>16</sub> -18 x 1 <sup>1</sup> / <sub>4</sub> Hex Hd.....	2
8	WL-006-23	Lockwasher <sup>5</sup> / <sub>16</sub> Medium (SST).....	2
9	NS-015-11	Nut <sup>5</sup> / <sub>16</sub> -18 Hex.....	2

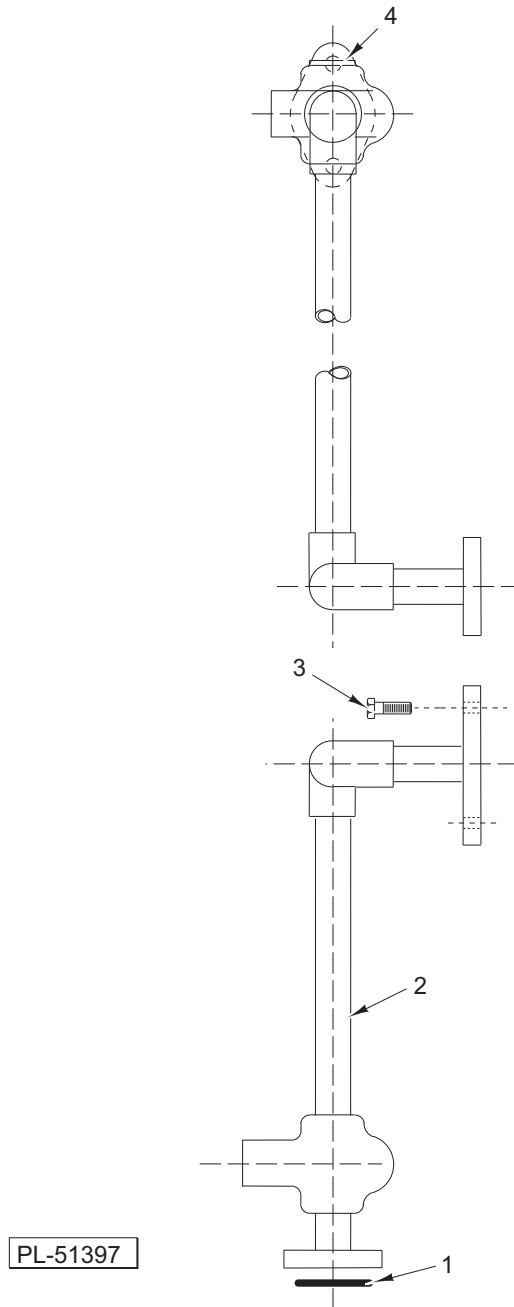


PL-50503

**LOWER INSIDE RINSE PIPING**

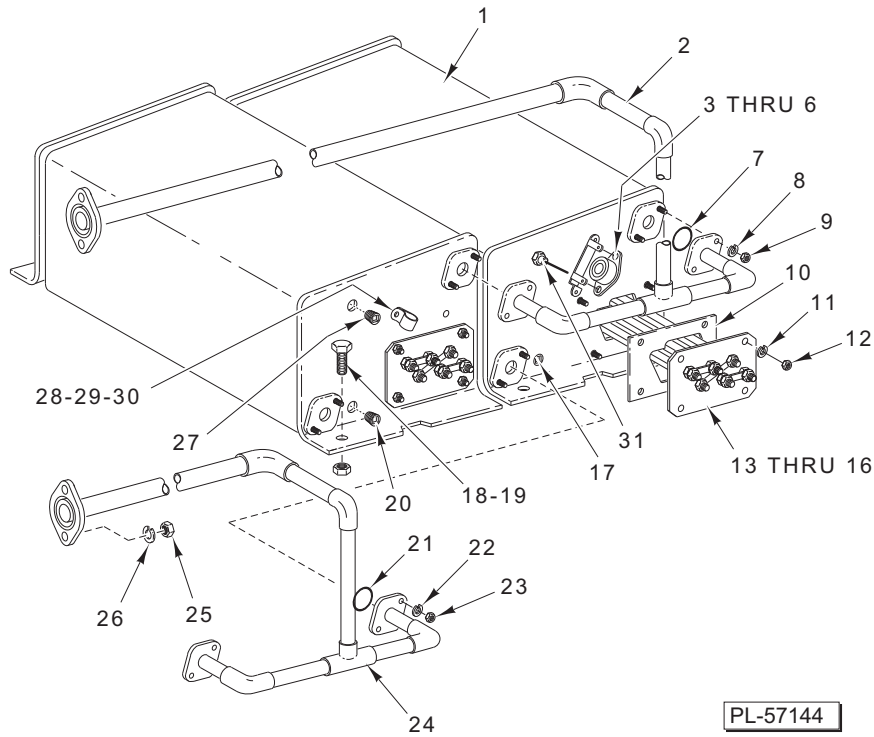
ILLUS.	PART NO.	NAME OF PART	AMT.
1	SC-041-10	Cap Screw <sup>5</sup> / <sub>16</sub> -18 x <sup>5</sup> / <sub>8</sub> Hex Hd. ....	8
2	WL-006-23	Lockwasher <sup>5</sup> / <sub>16</sub> Medium (SST).....	8
3	00-276407	Gasket – Rinse Pipe .....	4
4	00-122402-00002	Flange.....	2
5	00-811819	Lower Rinse Piping Assy.....	1
6	00-067500-00012	O-Ring .....	1





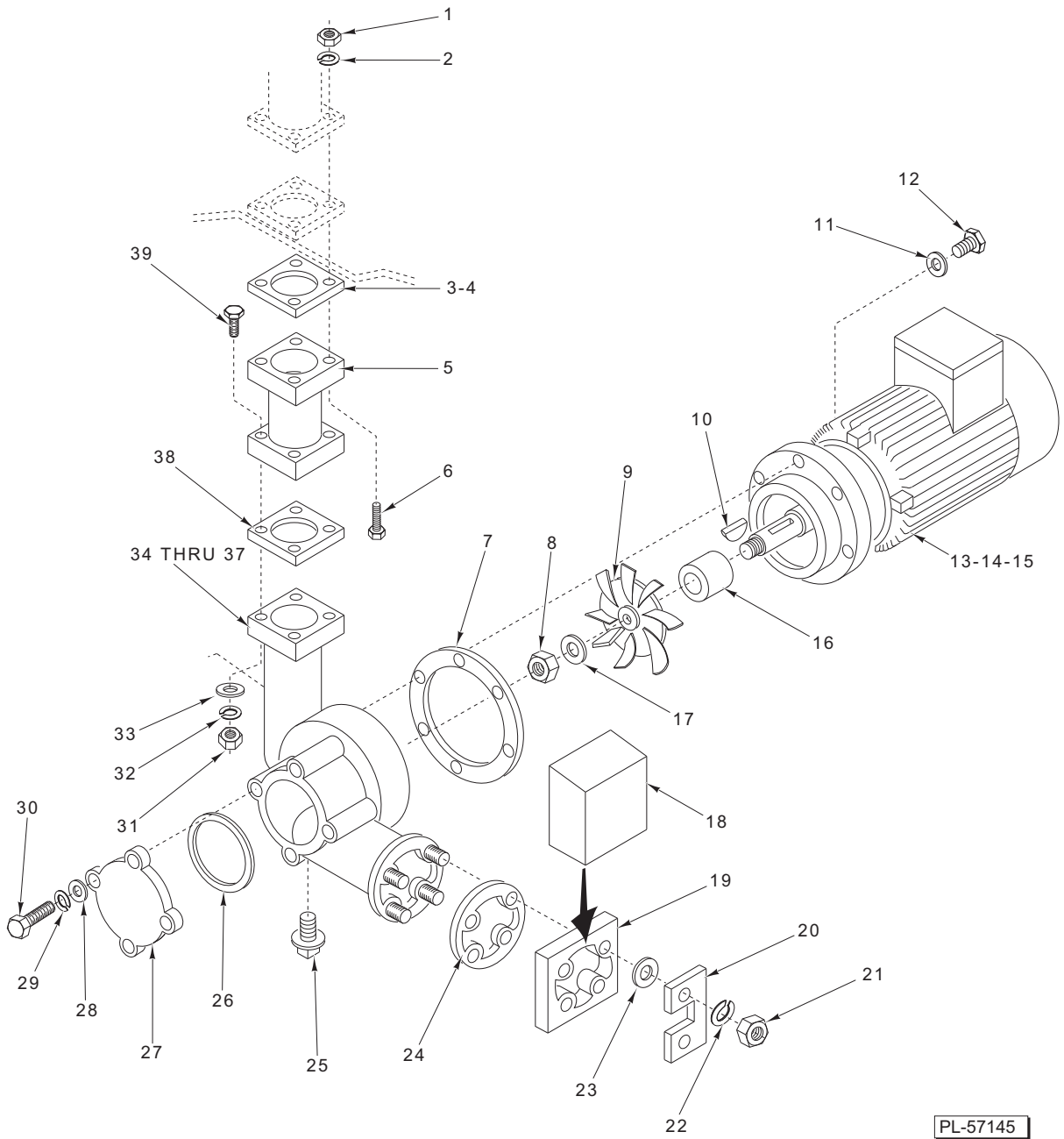
**MANIFOLD FLANGE PIPING  
(USE WITH BOOSTER)**

ILLUS.	PART NO.	NAME OF PART	AMT.
PL-51397			
1	00-067500-00012	O-Ring .....	1
2	00-812340	Manifold Flange Piping Assy.....	1
3	SC-041-14	Cap Screw $\frac{9}{16}$ -18 x $1\frac{1}{8}$ Hex Hd. (SST) .....	2
4	FP-052-20	Pipe Plug $\frac{1}{8}$ Sq. Hd. (SST) .....	1



**ELECTRIC BOOSTER**

ILLUS.	PART NO.	NAME OF PART	AMT.
PL-57144			
1	00-812347	Booster .....	2
2	00-812341	Upper – Flange Piping .....	1
3	00-271123	Protector – High Limit .....	2
4	00-293946	Sleeve – Lead .....	2
5	SC-021-98	Mach. Screw 8-32 x 3/8 Rd. Hd. (SST) .....	4
6	NS-031-08	Stop Nut 8-32 Special .....	4
7	00-067500-00012	O-Ring .....	2
8	WL-006-17	Lockwasher 1/4 Helical (SST) .....	4
9	NS-015-01	Nut 1/4-20 Hex (SST) .....	4
10	00-329009	Gasket – Heater Mounting .....	2
11	WL-006-17	Lockwasher 1/4 Helical (SST) .....	8
12	NS-014-01	Nut 1/4-20 Hex (Brass) .....	8
13	00-812349-00001	Heating Element (240 V., 7000 Watts) .....	2
14	00-812349-00002	Heating Element (208 V., 7000 Watts) .....	2
15	00-812349-00003	Heating Element (480 V., 7000 Watts) .....	2
16	00-812349-00004	Element – Booster Heater (380/415/50/60/3) (7000-8300 Watts) .....	2
17	FP-052-20	Pipe Plug 1/8 Sq. Hd. (SST) .....	1
18	SC-041-05	Cap Screw 1/4-20 x 5/8 Hex Hd. ....	6
19	NS-031-19	Stop Nut 1/4-20 (Elastic) (SST) .....	6
20	FP-052-20	Pipe Plug 1/8 Sq. Hd. (SST) .....	1
21	00-067500-00012	O-Ring .....	2
22	WL-006-17	Lockwasher 1/4 Helical (SST) .....	4
23	NS-015-01	Nut 1/4-20 Hex (SST) .....	4
24	00-812339	Lower – Flange Piping .....	1
25	NS-015-11	Nut 5/16-18 Hex .....	4
26	WL-006-23	Lockwasher 5/16 Medium (SST) .....	4
27	FP-052-20	Pipe Plug 1/8 Sq. Hd. (SST) .....	1
28	00-289364	Spacer .....	1
29	00-294677-00003	Clamp – Wire (3/4 I.D.) .....	1
30	NS-031-50	Stop Nut 6-32 Hex .....	1
31	00-328994	Sensor – Probe .....	1
	00-812344-00001	Booster Enclosure .....	1
	SC-041-05	Cap Screw 1/4-20 x 5/8 Hex Hd. ....	3
	NS-031-19	Stop Nut 1/4-20 (Elastic) (SST) .....	3
	00-812346	Cover – Booster Enclosure .....	1
	SC-066-06	Mach. Screw 10-24 x 1/2 Truss Hd. (SST) .....	4



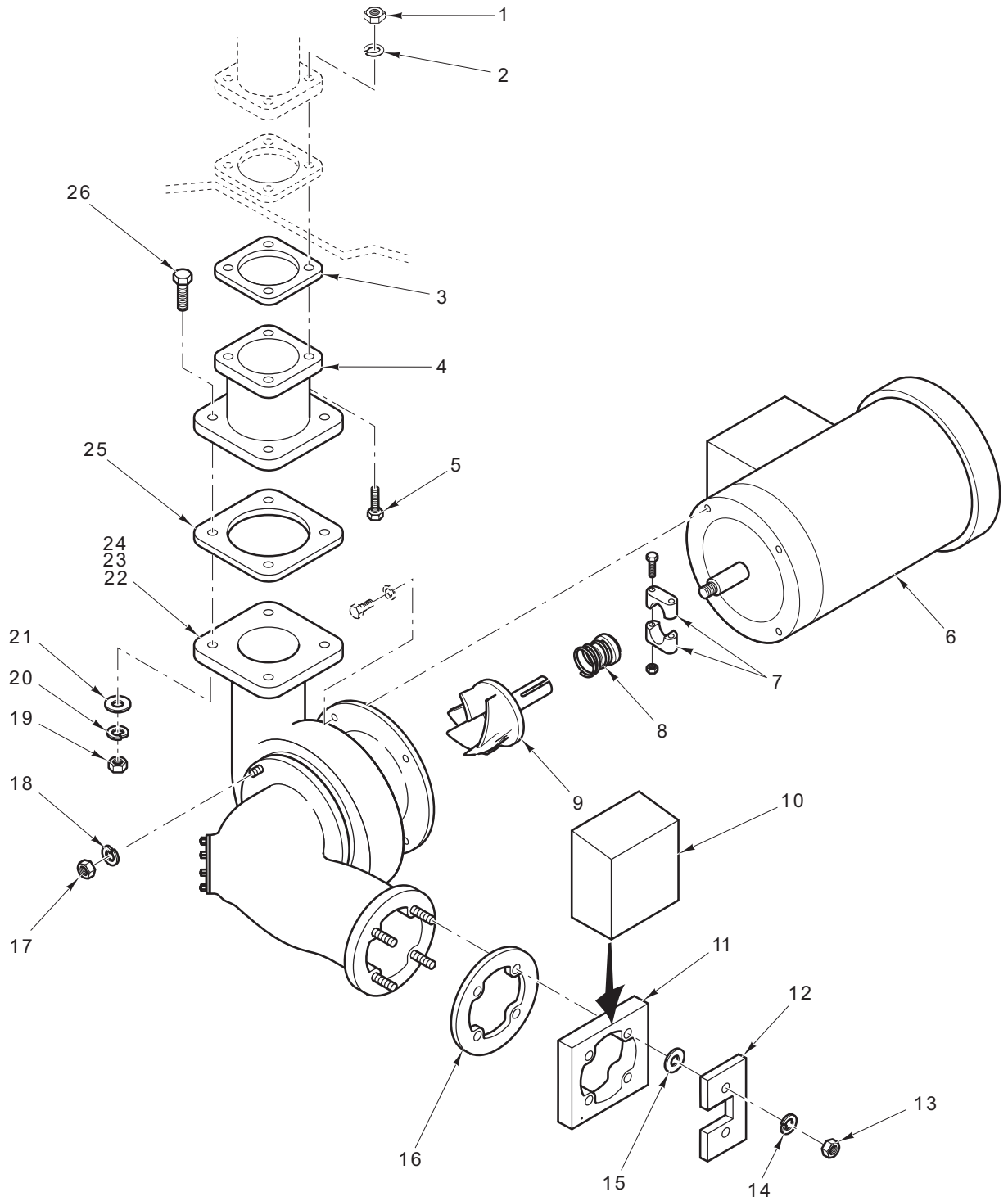
**WASH PUMP  
(PREVIOUS CONSTRUCTION)**

**WASH PUMP  
(PREVIOUS CONSTRUCTION)**

ILLUS. PL-57145	PART NO.	NAME OF PART	AMT.
1	NS-015-11	Nut <sup>5</sup> / <sub>16</sub> -18 Hex .....	4
2	WL-006-22	Lockwasher <sup>5</sup> / <sub>16</sub> Light .....	4
*3	00-067036	Gasket – Adapter Plate .....	1
**4	00-813465	Gasket – Wash Duct .....	1
5	00-166258	Discharge .....	1
6	SC-041-18	Cap Screw <sup>5</sup> / <sub>16</sub> -18 x 1 <sup>3</sup> / <sub>4</sub> Hex Hd. (SST) .....	4
7	00-811869	Gasket .....	1
8	00-163409-00001	Nut M10 Hex .....	1
9	00-813403	Impeller .....	1
10	KW-003-04	Key – Woodruff <sup>1</sup> / <sub>8</sub> x <sup>1</sup> / <sub>2</sub> .....	1
11	WS-017-08	Washer .....	6
12	00-163407-00002	Screw M8 x 25 mm Hex Hd. ....	6
13	00-166686-00017	Motor (208/60/3) .....	1
14	00-166686-00018	Motor (240/60/3) .....	1
15	00-166686-00016	Motor (480/60/3) .....	1
16	00-114696	Shaft Seal Assy. ( <sup>5</sup> / <sub>8</sub> ) .....	1
17	00-163408-00001	Washer .....	1
18	00-811817	Shroud – Pump .....	1
19	00-813484	Ring – Clamping .....	1
20	00-163311	Plate – Mounting (Pump Intake Baffle) .....	2
21	00-163409-00002	Nut M8 Hex .....	4
22	WL-006-23	Lockwasher <sup>5</sup> / <sub>16</sub> Helical .....	4
23	WS-017-21	Washer .....	4
24	00-811868	Gasket .....	1
25	00-163410	Plug <sup>1</sup> / <sub>2</sub> .....	1
26	00-811870	Gasket .....	1
27	00-165034	Plate – Cover .....	1
28	WS-017-08	Washer .....	4
29	WL-006-22	Lockwasher <sup>5</sup> / <sub>16</sub> Light .....	4
30	00-163407-00002	Screw M8 x 25 mm Hex Hd. ....	4
31	NS-015-11	Nut <sup>5</sup> / <sub>16</sub> -18 Hex .....	4
32	WL-006-22	Lockwasher <sup>5</sup> / <sub>16</sub> Light .....	4
33	WS-017-08	Washer .....	4
34	FP-028-46	Pipe Plug <sup>1</sup> / <sub>4</sub> Slotted Hd. (Brass) .....	1
35	00-893854	Pet Cock ( <sup>1</sup> / <sub>4</sub> ) .....	1
36	FP-040-08	Pipe <sup>1</sup> / <sub>4</sub> x <sup>7</sup> / <sub>8</sub> TBE (Brass) .....	1
37	00-168438	Pump Shell .....	1
38	00-009934-00001	Gasket – Drain Flange .....	1
39	SC-041-18	Cap Screw <sup>5</sup> / <sub>16</sub> -18 x 1 <sup>3</sup> / <sub>4</sub> Hex Hd. (SST) .....	4

\*Used on Machines Built Before 1/4/02.

\*\*Used on Machines Built After 1/4/02.

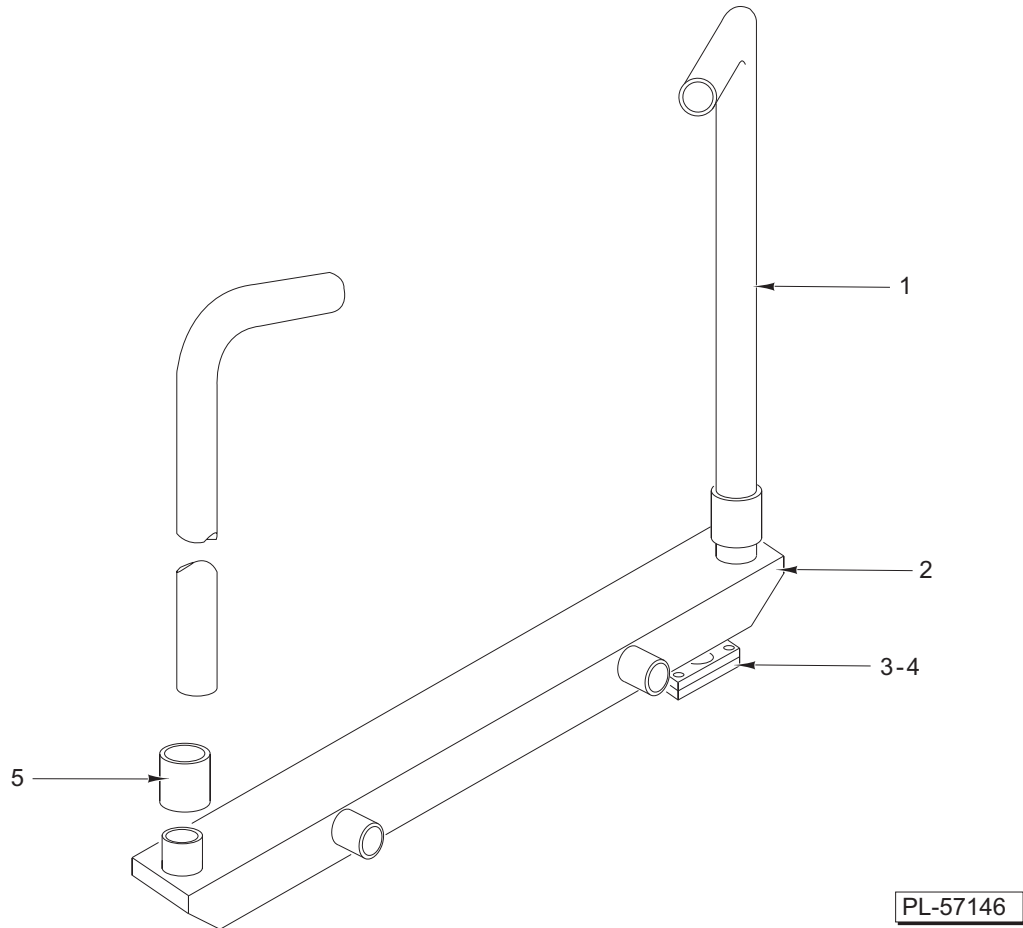


PL-58356

**WASH PUMP  
(CURRENT CONSTRUCTION)**

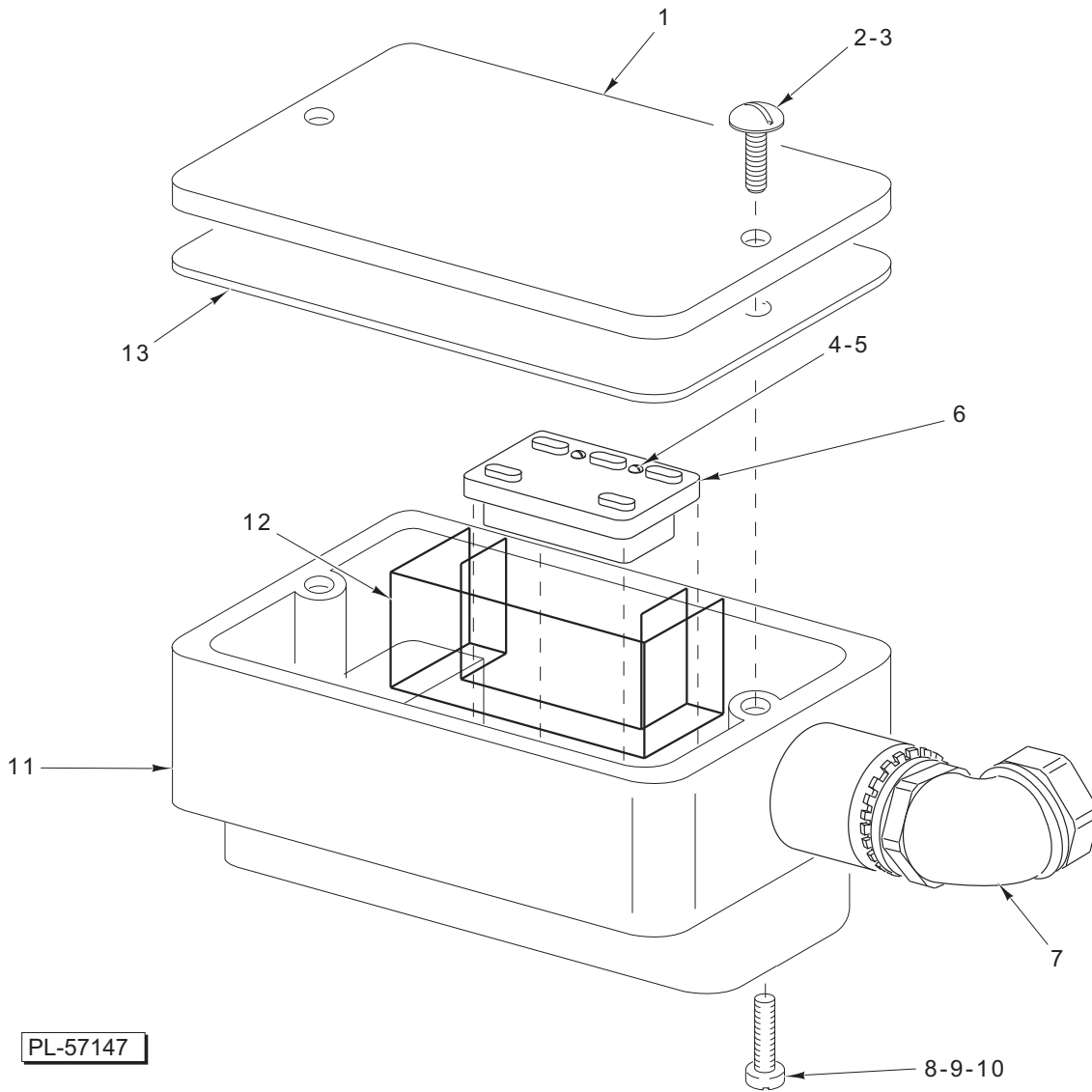
**WASH PUMP  
(CURRENT CONSTRUCTION)**

ILLUS.	PART NO.	NAME OF PART	AMT.
PL-58356			
1	NS-015-11	Nut <sup>5</sup> / <sub>16</sub> -18 Hex (SST).....	4
2	WS-017-08	Lockwasher <sup>5</sup> / <sub>16</sub> (SST).....	4
3	00-813465	Gasket – Wash Duct.....	1
4	00-918457	Flange – Pump/Motor Discharge.....	1
5	SC-041-18	Cap Screw <sup>5</sup> / <sub>16</sub> -18 x 1 <sup>3</sup> / <sub>4</sub> Hex Hd. (SST).....	4
6	00-918472-00003	Motor (208-230 / 460).....	1
7	00-918472-00004	Clamp.....	1
8	00-918472-00002	Seal Assy. ....	1
9	00-918472-00005	Impeller – Sleeve Assy.....	1
10	00-811817	Shroud – Pump.....	1
11	00-813484	Ring – Clamping.....	1
12	00-163311	Plate – Mounting (Pump Intake Baffle).....	2
13	NS-015-11	Nut <sup>5</sup> / <sub>16</sub> -18 Hex (SST).....	4
14	WL-006-23	Lockwasher <sup>5</sup> / <sub>16</sub> Helical.....	4
15	WS-017-21	Washer.....	4
16	00-811868	Gasket.....	1
17	NS-015-11	Nut <sup>5</sup> / <sub>16</sub> -18 Hex (SST).....	4
18	WL-006-23	Lockwasher <sup>5</sup> / <sub>16</sub> Helical (SST).....	4
19	NS-015-11	Nut <sup>5</sup> / <sub>16</sub> -18 Hex (SST).....	4
20	WL-006-23	Lockwasher <sup>5</sup> / <sub>16</sub> Helical (SST).....	4
21	WS-017-08	Washer.....	4
22	00-918472-00001	Shell – Pump (Incls. Items 23 & 24).....	1
23	00-476738-00008	Gasket – Drain.....	1
24	00-476738-00009	O-Ring – Suction Flange.....	1
25	00-009934-00001	Gasket – Drain Flange.....	1
26	SC-041-18	Cap Screw <sup>5</sup> / <sub>16</sub> -18 x 1 <sup>3</sup> / <sub>4</sub> Hex Hd. (SST).....	4
	00-918459	Pump & Motor Assy.....	1



### WASH DUCT

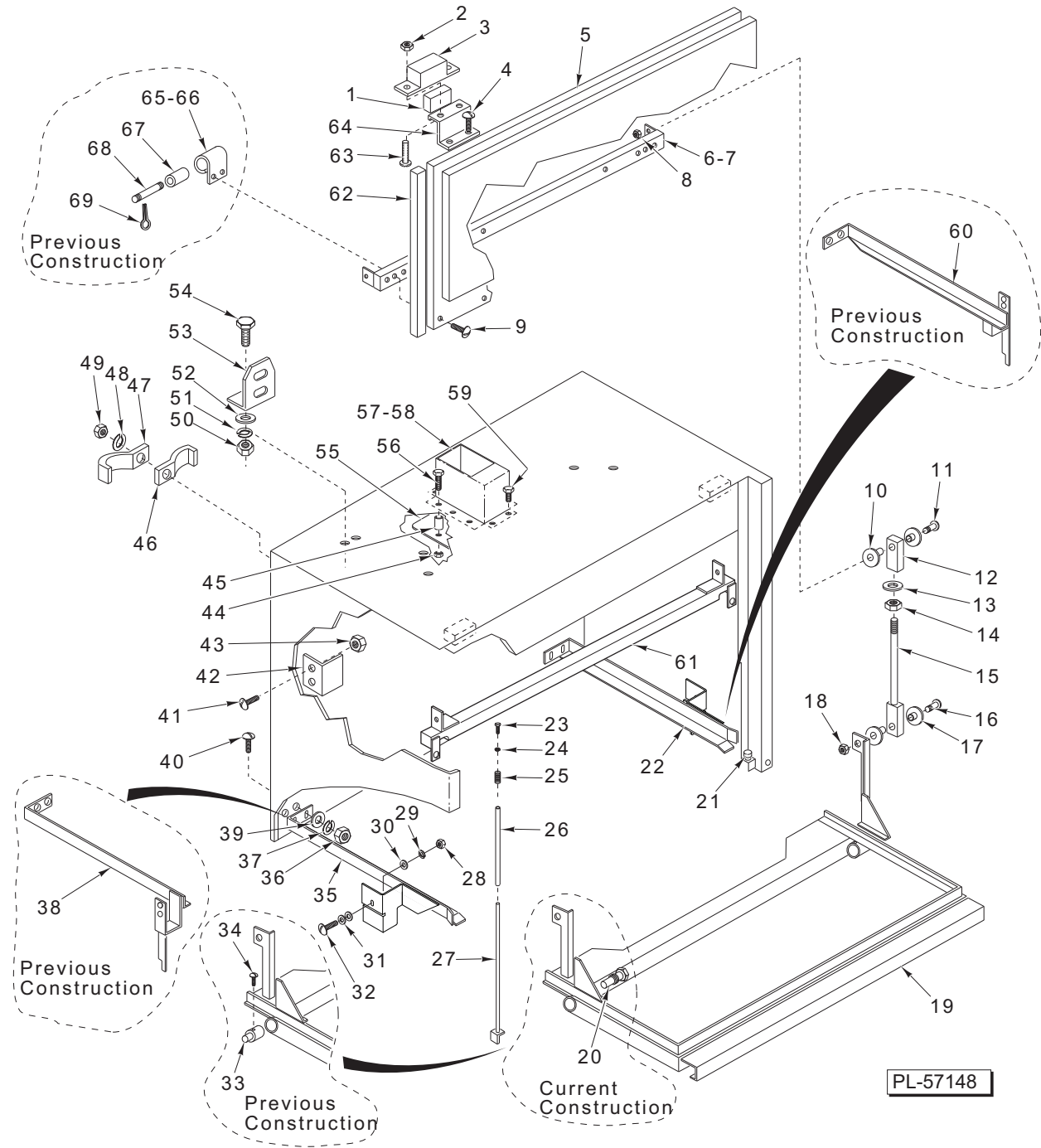
ILLUS.	PART NO.	NAME OF PART	AMT.
PL-57146			
1	00-163384-00002	Wash Pipe.....	2
2	00-811676	Wash Duct Assy. ....	1
3	00-067036	Gasket – Adapter Plate (Used on Machines Built Before 1/4/02).....	1
4	00-813465	Gasket – Wash Duct (Used on Machines Built After 1/4/02) .....	1
5	00-811682	Coupling.....	2



**DOOR INTERLOCK**

ILLUS.	PART NO.	NAME OF PART	AMT.
PL-57147			
1	00-436072	Cover – Housing .....	1
2	SC-120-35	Mach. Screw 8-32 x 3/8 Phil. Pan Hd. (SST) .....	2
3	WL-006-02	Lockwasher #8 Medium .....	2
4	SC-127-97	Mach. Screw 6-32 x 5/16 Phil. Pan Hd. ....	2
5	WL-006-42	Lockwasher #6 Medium .....	2
6	00-436071	Retainer – Switch Weldment (Switch Included) .....	1
7	FE-024-65	Connector 90 Deg. (Nonmetallic) (Sealtite) (1/2 Male) .....	2
8	SC-123-76	Mach. Screw 10-24 x 1/2 Phil. Pan Hd. ....	2
9	WL-006-07	Lockwasher #10 Medium .....	2
10	WS-029-79	Washer .....	2
11	00-436069	Housing – Cycle Switch .....	1
12	00-811860	Barrier – Door Interlock .....	1
13	00-436073	Gasket – Housing .....	1





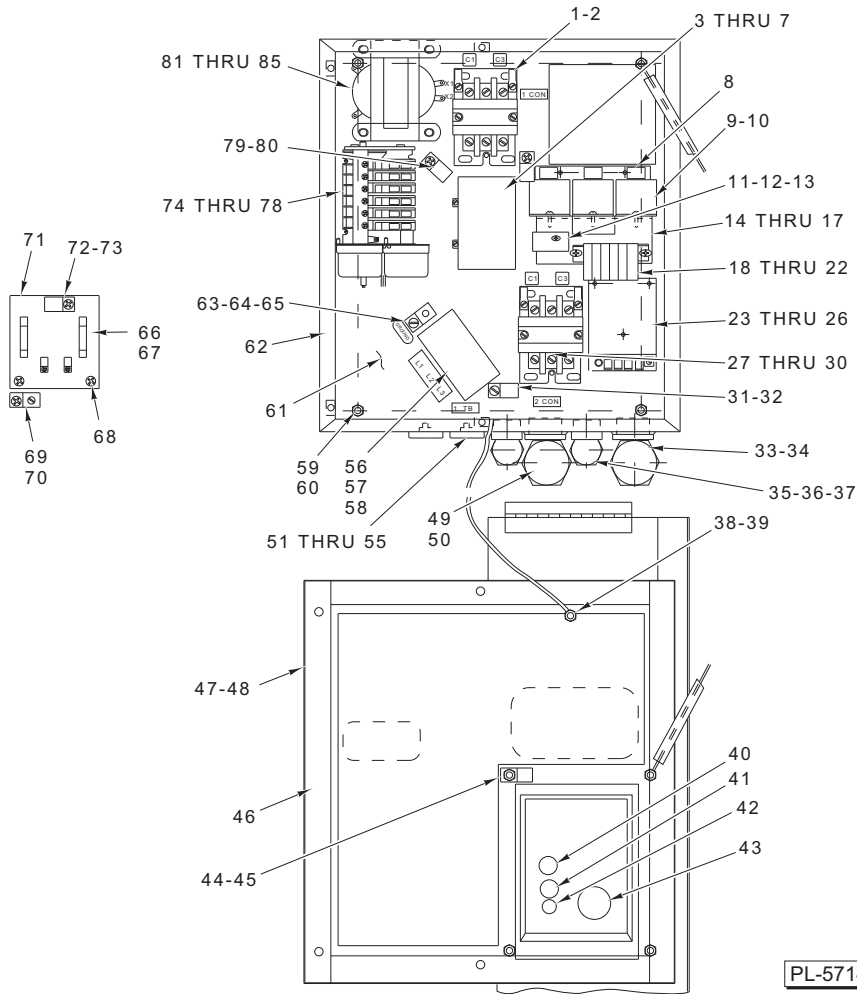
### CHAMBERS, DOORS, AND TRACKS

ILLUS.	PART NO.	NAME OF PART	AMT.
PL-57148	1	Magnet – Door Cycle Switch .....	1
	2	Stop Nut 6-32 Hex (SST) .....	2
	3	Retainer – Magnet .....	1
	4	Mach. Screw 10-24 x 3/8 Phil. Truss Hd. ....	2
	5	Upper Door Assy. ....	1

## CHAMBERS, DOORS, AND TRACKS (CONT.)

ILLUS. PL-57148	PART NO.	NAME OF PART	AMT.
6	00-163193	Support – Upper Door (Previous Construction) (Not Shown).....	1
7	00-474262	Support – Upper Door (Current Construction).....	1
8	NS-031-21	Stop Nut 1/4-20 Hex.....	2
9	SC-066-06	Mach. Screw 10-24 x 1/2 Phil. Truss Hd. (SST).....	6
10	00-163289	Bearing – Bushing.....	4
11	00-163287	Pin – Hinge.....	2
12	00-163185	Link.....	4
13	WL-006-27	Lockwasher 3/8 Light.....	2
14	NS-015-13	Nut 3/8-16 Hex (SST).....	2
15	00-163286	Rod – Door Lift.....	2
16	00-163287	Pin – Hinge.....	2
17	00-163289	Bearing – Bushing.....	4
18	NS-031-21	Stop Nut 1/4-20 Hex.....	2
19	00-811684	Lower Door Assy.....	1
20	00-812799	Pin – Door Hinge (Current Construction).....	2
21	00-163247	Bushing – Threaded.....	2
22	00-814333	Track Assy. – Rack (RH) (Current Construction).....	1
23	SC-041-50	Cap Screw 1/4-20 x 1/2 Hex Hd.....	2
24	WL-006-17	Lockwasher 1/4 Helical (SST).....	2
25	00-436366	Spring – Counterbalance.....	2
26	00-436367	Tube – Spring.....	2
27	00-436358	Support – Spring Weldment.....	1
28	NS-015-01	Nut 1/4-20 Hex (SST).....	4
29	WL-006-17	Lockwasher 1/4 Helical (SST).....	4
30	WS-017-06	Washer.....	4
31	WS-003-47	Washer.....	8
32	SC-125-85	Mach. Screw 1/4-20 x 5/8 Phil. Truss Hd. (SST).....	4
33	00-811664	Pin (Previous Construction).....	2
34	SC-022-32	Mach. Screw 1/4-20 x 1/2 Flat Hd. (Previous Construction).....	2
35	00-814334	Track Assy. – Rack (LH) (Current Construction).....	1
36	NS-015-01	Nut 1/4-20 Hex (SST).....	4
37	WL-006-17	Lockwasher 1/4 Helical (SST).....	4
38	00-163246	Track Assy. (LH) (Previous Construction).....	1
39	WS-017-06	Washer.....	4
40	SC-125-85	Mach. Screw 1/4-20 x 5/8 Phil. Truss Hd. (SST).....	4
41	SC-125-26	Mach. Screw 5/16-18 x 5/8 Phil. Truss Hd. (SST).....	4
42	00-811821	Bracket – Wash Pipe.....	2
43	NS-031-29	Stop Nut 5/16-18 (Elastic).....	4
44	NS-031-21	Stop Nut 1/4-20 Hex.....	10
45	00-812497	Spacer.....	4
46	FE-006-46	Clamp 3/4.....	1
47	FE-025-10	Clamp 1 1/4 (Use With Booster).....	1
48	WL-006-17	Lockwasher 1/4 Helical (SST).....	1
49	NS-015-01	Nut 1/4-20 Hex (SST).....	1
50	NS-015-11	Nut 5/16-18 Hex (SST).....	2
51	WL-006-23	Lockwasher 5/16 Medium (SST).....	2
52	WS-029-05	Washer.....	2
53	00-435974	Bracket – Fill Piping.....	1
54	SC-041-11	Cap Screw 5/16-18 x 3/4 Hex Hd. (SST).....	2
55	00-812501	Baffle.....	1
56	SC-041-08	Cap Screw 1/4-20 x 2 Hex Hd. (SST).....	4
57	00-812504	Stack – Vent.....	1
58	00-506151	Tape – Foam.....	AR
59	SC-041-50	Cap Screw 1/4-20 x 1/2 Hex Hd.....	6
60	00-163245	Track Assy. (RH) (Previous Construction).....	1
61	00-474262	Support – Upper Door Weldment.....	1
62	00-112378-00034	Slide – Door.....	2
63	SC-127-97	Mach. Screw 6-32 x 5/16 Phil. Pan Hd.....	2
64	00-811867-00001	Door Magnet Bracket Assy.....	1
65	00-378591	Spring – Door (Previous Construction).....	2
66	SC-021-14	Mach. Screw 8-32 x 3/8 Slotted Rd. Hd. (Previous Construction).....	4
67	00-299109-00002	Roller (Previous Construction).....	2
68	00-163394	Pin – Coil (Previous Construction).....	2
69	PC-005-11	Cotter Pin 3/32 (Previous Construction).....	4
	00-812813	Door Assy. (Incls. Items 19 & 20).....	1

**UW50 UTENSIL WASHER REPLACEMENT PARTS**



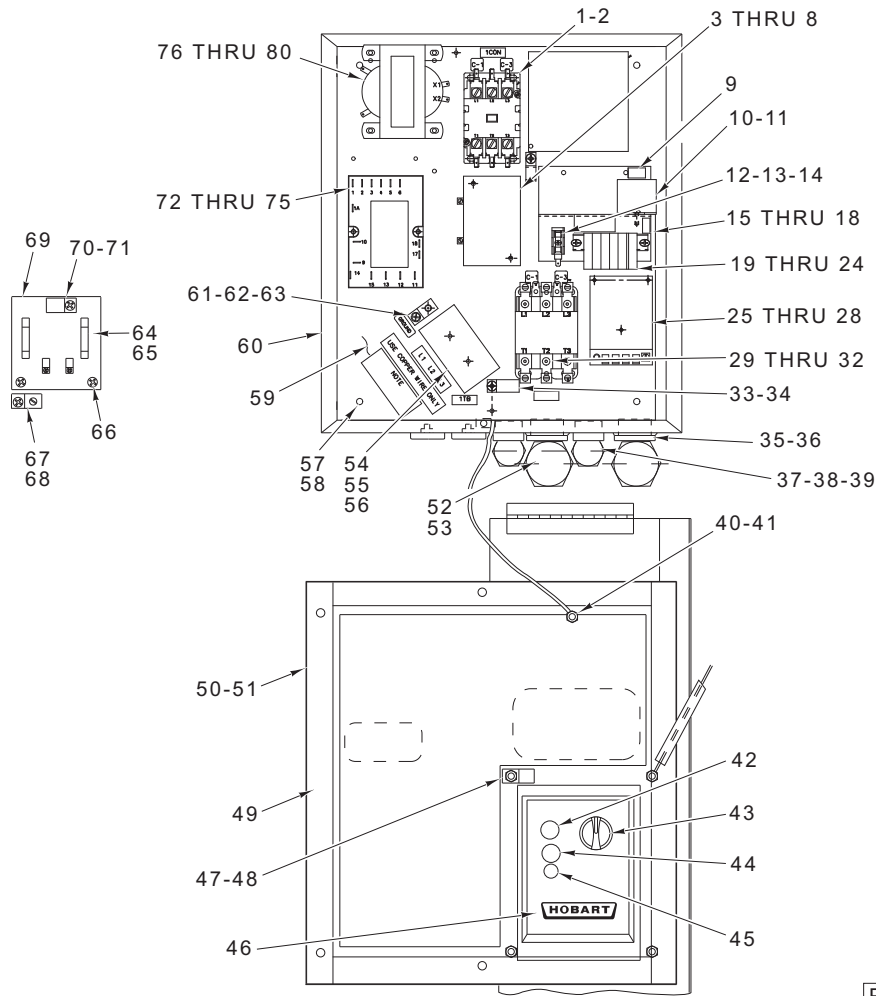
**CONTROL BOX  
(PREVIOUS CONSTRUCTION)**

ILLUS.	PART NO.	NAME OF PART	AMT.
	PL-57149		
1	00-087713-080-2	Contactor (480 V., 60 Hz., 3 Ph.) (30 Amp.) (3 Pole).....	1
2	SD-008-25	Self-Tapping Screw 10-16 x 1/2 Phil. Pan Hd., Type B .....	2
3	00-294687-00027	Heater – Overload (208 V.) (K58) .....	3
4	00-294687-00025	Heater – Overload (240 V.) (K56) .....	3
5	00-294687-00016	Heater – Overload (480 V.) (K41) .....	3
6	00-088196-009-1	Relay – Thermal Overload (3 Ph.) (With Overload Protection).....	1
7	SD-019-23	Self-Tapping Screw 10-16 x 3/8 Phil. Pan Hd., Type B .....	2
8	00-811805	Bracket – Relay .....	1
9	00-087714-020-2	Relay (3PDT) .....	3
10	SD-008-17	Self-Tapping Screw 6-20 x 3/8 Phil. Bndg. Hd., Type B .....	7
11	00-294436-00003	Block – Fuse (1.5 Amp.) .....	1
12	FE-022-39	Fuse (250 V., 1.5 Amp.) .....	1
13	FE-021-19	Fuse (250 V., 3.2 Amp.) .....	1
14	00-811804-00002	Base Plate Bracket Assy. (All Voltages, Gas Heat).....	1
15	00-811804	Base Plate Brkt. Assy. (Incls. Items 8 thru 12 & 18 thru 22) (Steam or Electric).....	1
16	SD-008-17	Self-Tapping Screw 6-20 x 3/8 Phil. Bndg. Hd., Type B .....	2
17	WL-014-03	Lockwasher #6 External Shakeproof .....	2
18	00-102064-00028	Channel – Mounting .....	1
19	00-102057	Block – Terminal.....	6
20	00-102058	End – Barrier .....	1
21	00-101611	Clip – Retaining .....	2
22	SD-008-25	Self-Tapping Screw 10-16 x 1/2 Phil. Pan Hd., Type B .....	2

**CONTROL BOX  
(PREVIOUS CONSTRUCTION) (CONT.)**

ILLUS. PL-57149	PART NO.	NAME OF PART	AMT.
23	00-475811	Board – Temperature Control.....	1
24	SD-038-02	Self-Tapping Screw 6-20 x 5/8 Phil. Pan Hd., Type B .....	3
25	WS-028-12	Washer.....	1
26	00-476653	Spacer – Circuit Board.....	4
27	00-087713-041-2	Contactora 40 Amp. 3-Pole.....	1
28	00-087714-020-2	Relay (3PDT).....	1
29	SD-019-23	Self-Tapping Screw 10-16 x 3/8 Phil. Pan Hd., Type B (Use With Item 27) .....	2
30	SD-008-17	Self-Tapping Screw 6-20 x 3/8 Phil. Bndg. Hd., Type B (Use With Item 28) .....	2
31	00-294677-00003	Clamp – Wire (1 In. I.D.).....	1
32	SD-019-23	Self-Tapping Screw 10-16 x 3/8 Phil. Pan Hd., Type B .....	1
33	FE-008-12	Gasket .....	2
34	FE-008-33	Connector 90 Deg. (Sealtite) (1 Male Thd. x 1 Flex) .....	2
35	FE-008-10	1/2 Gasket Assy.....	3
36	FE-007-07	Connector 90 Deg. (Sealtite) (1/2 Male Thd. x 1/2) .....	3
37	FE-007-05	Connector 45 Deg. (Sealtite) (1/2 Male Thd. x 1/2) .....	1
38	WL-007-12	Lockwasher #10 External Shakeproof .....	2
39	NS-031-15	Stop Nut 10-24 Hex (SST).....	2
40	00-811807-00001	Light – Pilot (White) .....	1
41	00-811807-00002	Light – Pilot (Green).....	1
42	00-811830	Switch – Start.....	1
43	00-811806	Switch – Selector .....	1
44	00-294677-00003	Clamp – Wire (3/4 I.D.).....	1
45	SD-008-25	Self-Tapping Screw 10-16 x 1/2 Phil. Pan Hd., Type B .....	1
46	00-526409	Tape – Foam 1/8 In. x 1 In. x 25 Ft. Roll.....	AR
47	00-163158	Lid – Control Box .....	1
48	SC-066-06	Mach. Screw 10-24 x 1/2 Phil. Truss Hd. (SST).....	4
49	FE-023-26	Fitting – Conduit (Elect/Steam/Gas) .....	1
50	FE-024-67	Connector – Conduit (With Electric Heat Booster) .....	1
51	00-119244	Cap & Stud Assy. ....	AR
52	00-119254	Retainer – Cap & Stud.....	AR
53	00-067500-00031	O-Ring .....	AR
54	WL-006-17	Lockwasher 1/4 Helical (SST).....	2
55	NS-015-01	Nut 1/4-20 Hex (SST).....	2
56	00-294325-004-1	Terminal Block .....	1
57	SC-012-36	Mach. Screw 10-24 x 3/4 Slotted Fil. Hd. ....	2
58	WL-003-20	Lockwasher #10 Light.....	2
59	WL-014-07	Lockwasher #10 External Shakeproof (SST).....	4
60	NS-011-18	Nut 10-24 Hex (SST) .....	8
61	00-811823	Plate – Base .....	1
62	00-811840	Box – Control .....	1
63	00-118544-00002	Lug – Grounding .....	1
64	SD-035-77	Self-Tapping Screw 1/4-20 x 3/8 Phil. Pan Hd., Type T .....	1
65	WL-007-15	Lockwasher 1/4 External Shakeproof.....	1
66	FE-015-02	Fuse (250 V., 2.5 Amp.) (208/240 V.) (Time Delay) .....	2
67	FE-022-52	Fuse (500 V., 1.6 Amp.) (480 V.) (Time Delay) .....	2
68	SD-012-20	Self-Tapping Screw 8-32 x 1/2 Phil. Truss Hd., Type T .....	2
69	00-118544-00001	Lug – Solderless .....	1
70	SD-034-59	Self-Tapping Screw 10-32 x 3/8 Phil. Pan Hd., Type T.....	1
71	00-294488	Board – Terminal.....	1
72	00-294677-00002	Clamp – Wire (1/2 I.D.).....	1
73	SD-012-20	Self-Tapping Screw 8-32 x 1/2 Phil. Truss Hd., Type T .....	1
74	00-812410	Timer .....	1
75	SC-093-04	Mach. Screw 8-32 x 1/2 Phil. Pan Hd. (SST) .....	4
76	WS-019-06	Washer.....	4
77	WL-003-12	Lockwasher #8 Medium.....	4
78	00-087711-00218	Switch – Timer .....	6
79	00-294677-00004	Clamp – Wire (3/4 I.D.).....	2
80	SD-019-23	Self-Tapping Screw 10-16 x 3/8 Phil. Pan Hd., Type B .....	2
81	00-223452-00001	Transformer (208/60/3).....	1
82	00-223450-00001	Transformer (240/60/3 & 480/60/3).....	1
83	00-294500-026-1	Transformer (75VA, 60 Hz.) (Gas Heat) .....	1
84	SD-019-23	Self-Tapping Screw 10-16 x 3/8 Phil. Pan Hd., Type B .....	4
85	WL-014-07	Lockwasher #10 External Shakeproof (SST).....	4

**UW50 UTENSIL WASHER REPLACEMENT PARTS**



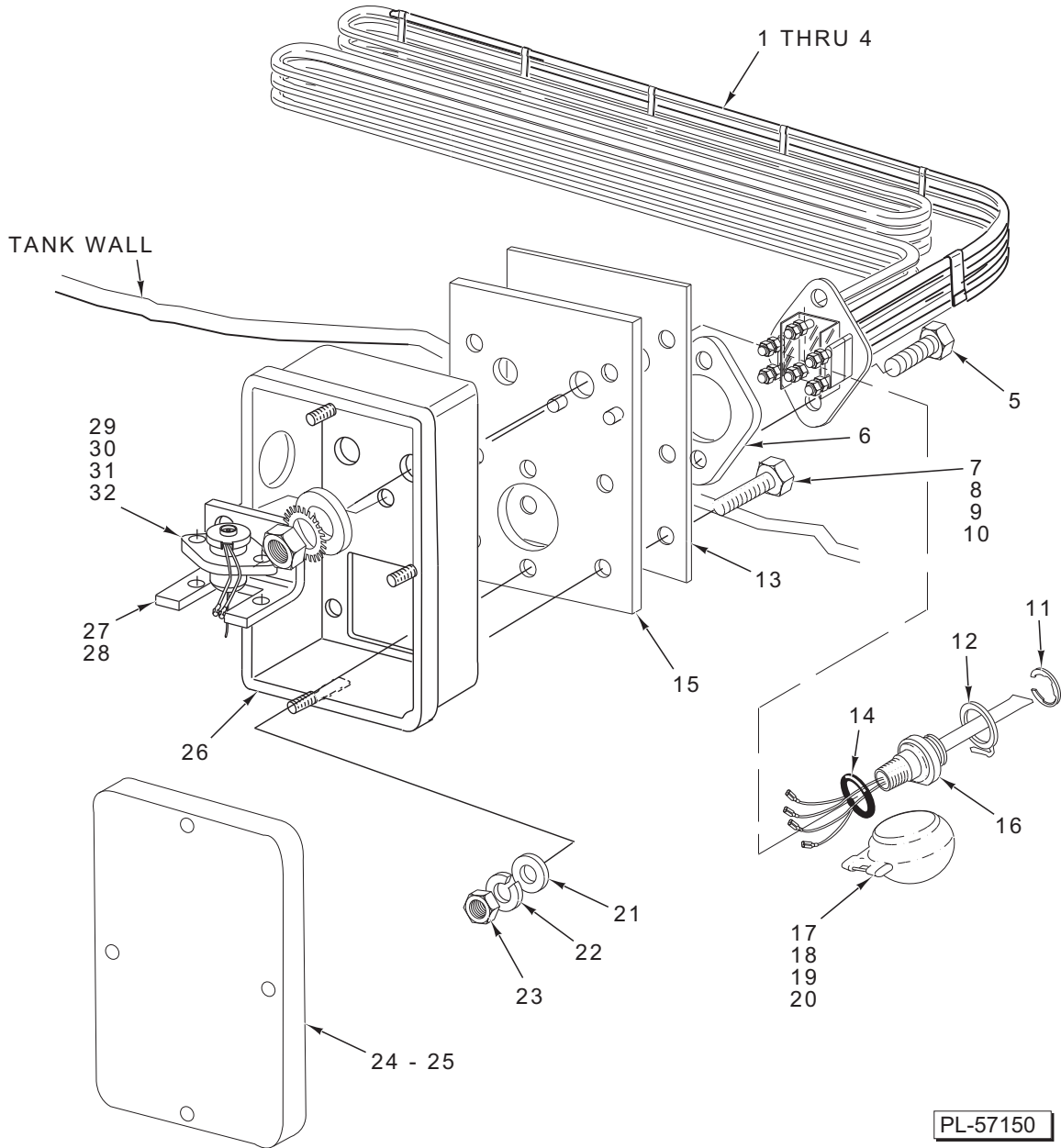
PL-58357

**CONTROL BOX  
(CURRENT CONSTRUCTION)**

ILLUS.	PART NO.	NAME OF PART	AMT.
PL-58357			
1	00-087713-040-2	Contactors (30 Amp.) (3-Pole).....	1
2	SD-008-25	Self-Tapping Screw 10-16 x 1/2 Phil. Pan Hd., Type B .....	2
3	00-294687-00023	Heater – Overload (208 V.) (K54) .....	3
4	00-294687-00023	Heater – Overload (240 V.) (K54) .....	3
5	00-294687-00015	Heater – Overload (480 V.) (K39) .....	3
6	00-088196-009-1	Relay – Thermal Overload (3 Ph.) (With Overload Protection).....	1
7	SD-019-23	Self-Tapping Screw 10-16 x 3/8 Phil. Pan Hd., Type B .....	2
8	00-294687-00023	Element – Overload (208-240V.) (K54).....	3
9	00-811805	Bracket – Relay .....	1
10	00-087714-020-2	Relay (3PDT) .....	3
11	SD-008-17	Self-Tapping Screw 6-20 x 3/8 Phil. Bndg. Hd., Type B .....	7
12	00-294436-00003	Block – Fuse (1.5 Amp.) .....	1
13	FE-022-39	Fuse (250 V., 1.5 Amp.) .....	1
14	FE-021-19	Fuse (250 V., 3.2 Amp.) .....	1
15	00-811804-00002	Base Plate Bracket Assy. (All Voltages, Gas Heat).....	1
16	00-811804	Base Plate Brkt. Assy. (Incls. Items 9 thru 13 & 19 thru 24) (Steam or Electric).....	1
17	SD-008-17	Self-Tapping Screw 6-20 x 3/8 Phil. Bndg. Hd., Type B .....	2
18	WL-014-03	Lockwasher #6 External Shakeproof .....	2
19	00-102064-00028	Channel – Mounting .....	1
20	00-102057	Block – Terminal.....	6
21	00-103349	Jumper – Plug-In .....	2
22	00-102058	End – Barrier.....	1
23	00-101611	Clip – Retaining .....	2

**CONTROL BOX  
(CURRENT CONSTRUCTION) (CONT.)**

ILLUS. PL-58357	PART NO.	NAME OF PART	AMT.
24	SD-008-25	Self-Tapping Screw 10-16 x 1/2 Phil. Pan Hd., Type B .....	2
25	00-475458-00001	Board Assy. – Temperature Control .....	1
26	SD-038-02	Self-Tapping Screw 6-20 x 5/8 Phil. Pan Hd., Type B .....	3
27	WS-028-12	Washer.....	1
28	00-476653	Spacer – Circuit Board.....	4
29	00-918322	Contactora (40 Amp.) (3-Pole).....	1
30	00-087714-020-2	Relay (3PDT).....	1
31	SD-019-23	Self-Tapping Screw 10-16 x 3/8 Phil. Pan Hd., Type B (Use With Item 29) .....	2
32	SD-008-17	Self-Tapping Screw 6-20 x 3/8 Phil. Bndg. Hd., Type B (Use With Item 30) .....	2
33	00-294677-00003	Clamp – Wire (1 In. I.D.).....	1
34	SD-019-23	Self-Tapping Screw 10-16 x 3/8 Phil. Pan Hd., Type B .....	1
35	FE-008-12	Gasket .....	2
36	FE-008-33	Connector 90 Deg. (Sealtite) (1 Male Thd. x 1 Flex) .....	2
37	FE-008-10	Gasket Assy. 1/2.....	3
38	FE-007-07	Connector 90 Deg. (Sealtite) (1/2 Male Thd. x 1/2) .....	3
39	FE-007-05	Connector 45 Deg. (Sealtite) (1/2 Male Thd. x 1/2) .....	1
40	WL-007-12	Lockwasher #10 External Shakeproof .....	2
41	NS-031-15	Stop Nut 10-24 Hex (SST).....	2
42	00-811807-00001	Light – Pilot (White) .....	1
43	00-918134	Switch – Selector .....	1
44	00-811807-00002	Light – Pilot (Green).....	1
45	00-811830	Switch – Start.....	1
46	00-811835	Label – Control Panel Logo .....	1
47	00-294677-00003	Clamp – Wire (3/4 I.D.).....	1
48	SD-008-25	Self-Tapping Screw 10-16 x 1/2 Phil. Pan Hd., Type B .....	1
49	00-526409	Tape – Foam 1/8 In. x 1 In. x 25 Ft. Roll.....	AR
50	00-163158	Lid – Control Box .....	1
51	SC-066-06	Mach. Screw 10-24 x 1/2 Phil. Truss Hd. (SST).....	4
52	FE-023-26	Fitting – Conduit (Elect/Steam/Gas) .....	1
53	FE-024-67	Connector – Conduit (With Electric Heat Booster) .....	1
54	00-294325-004-1	Terminal Block .....	1
55	SC-012-36	Mach. Screw 10-24 x 3/4 Slotted Fil. Hd. ....	2
56	WL-003-20	Lockwasher #10 Light.....	2
57	WL-014-07	Lockwasher #10 External Shakeproof (SST).....	4
58	NS-011-18	Nut 10-24 Hex (SST) .....	8
59	00-811823	Plate – Base .....	1
60	00-811840	Box – Control .....	1
61	00-118544-00002	Lug – Grounding .....	1
62	SD-035-77	Self-Tapping Screw 1/4-20 x 3/8 Phil. Pan Hd., Type T .....	1
63	WL-007-15	Lockwasher 1/4 External Shakeproof.....	1
64	FE-015-02	Fuse (250 V., 2.5 Amp.) (208/240 V.) (Time Delay) .....	2
65	FE-022-52	Fuse (500 V., 1.6 Amp.) (480 V.) (Time Delay) .....	2
66	SD-012-20	Self-Tapping Screw 8-32 x 1/2 Phil. Truss Hd., Type T .....	2
67	00-118544-00001	Lug – Solderless .....	1
68	SD-034-59	Self-Tapping Screw 10-32 x 3/8 Phil. Pan Hd., Type T.....	1
69	00-294488	Board – Terminal.....	1
70	00-294677-00002	Clamp – Wire (1/2 I.D.).....	1
71	SD-012-20	Self-Tapping Screw 8-32 x 1/2 Phil. Truss Hd., Type T .....	1
72	00-918130	Timer (Previous Construction) .....	1
73	00-814344	Timer (Current Construction) .....	1
74	00-087711-00218	Switch – Timer .....	6
75	SD-037-21	Self-Tapping Screw 8-32 x 1 Phil. Fil. Hd. Type F.....	2
76	00-223452-00001	Transformer (208/60/3).....	1
77	00-223450-00001	Transformer (240/60/3 & 480/60/3).....	1
78	00-294500-026-1	Transformer (75VA, 60 Hz.) (Gas Heat) .....	1
79	SD-019-23	Self-Tapping Screw 10-16 x 3/8 Phil. Pan Hd., Type B .....	5
80	WL-014-07	Lockwasher #10 External Shakeproof (SST).....	4

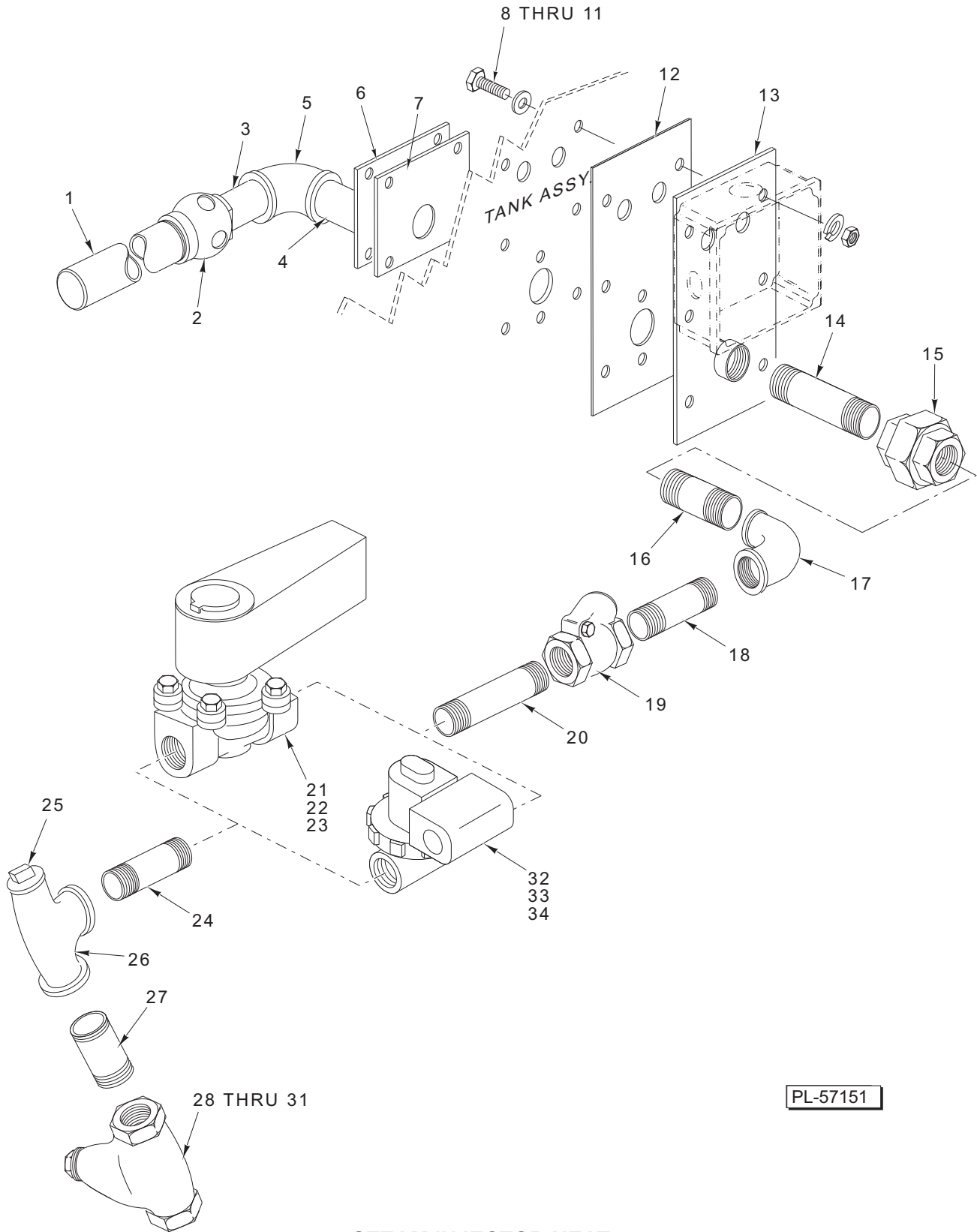


**ELECTRIC HEAT**

**ELECTRIC HEAT**

ILLUS.	PART NO.	NAME OF PART	AMT.
PL-57150			
1	00-086444	Insulator – Terminal (Above 250 V.).....	1
2	00-436907-00001	Heater – Tank Electric (208 V., 60 Hz./200 V., 50 Hz., 3 Ph.).....	1
3	00-436907-00002	Heater – Tank Electric (240 V., 50/60 Hz., 3 Ph.).....	1
4	00-436907-00005	Heater – Tank Electric (480 V., 60 Hz., 3 Ph.).....	1
5	SC-041-13	Cap Screw 5/16-18 x 1 Hex Hd. (SST).....	2
6	00-293598	Gasket – Heater Mounting.....	1
7	SC-041-13	Cap Screw 5/16-18 x 1 Hex Hd. (SST).....	6
8	WS-029-05	Washer.....	12
9	WL-006-23	Lockwasher 5/16 Medium (SST).....	6
10	NS-015-11	Nut 5/16-18 Hex.....	6
11	RR-010-13	Retaining Ring.....	1
12	00-112467	Retainer – Float.....	1
13	00-271109	Gasket – Mounting.....	1
14	00-067500-00072	O-Ring.....	1
15	00-271118-00001	Plate – Mounting.....	1
16	00-271621	Probe & Switch Assy. (4 Wire) (Temperature & Water Level).....	1
17	00-122674	Float Assy.....	1
18	WS-010-40	Washer – Thrust.....	1
19	WL-014-31	Lockwasher 1/2 External Shakeproof (SST).....	1
20	NS-018-28	Jam Nut 1/2-20 Hex.....	1
21	WS-017-08	Washer.....	2
22	WL-006-23	Lockwasher 5/16 Medium (SST).....	2
23	NS-015-11	Nut 5/16-18 Hex.....	2
24	00-474574-00002	Lid Assy.....	1
25	NS-031-15	Stop Nut 10-24 Hex (SST).....	4
26	00-474512-00001	Box – Electric Heat.....	1
27	00-271122	Bracket – Thermostat.....	1
28	NS-031-15	Stop Nut 10-24 Hex (SST).....	2
29	00-293946	Sleeve – Lead.....	1
30	00-271123	Protector – High Limit.....	1
31	SC-127-26	Mach. Screw 6-32 x 3/8 Rd. Hd. (SST).....	2
32	NS-031-50	Stop Nut 6-32 Hex (SST).....	2
	00-294357-00001	Housing – Connector (Nat).....	1
	00-294357-00002	Housing – Connector (Black).....	1

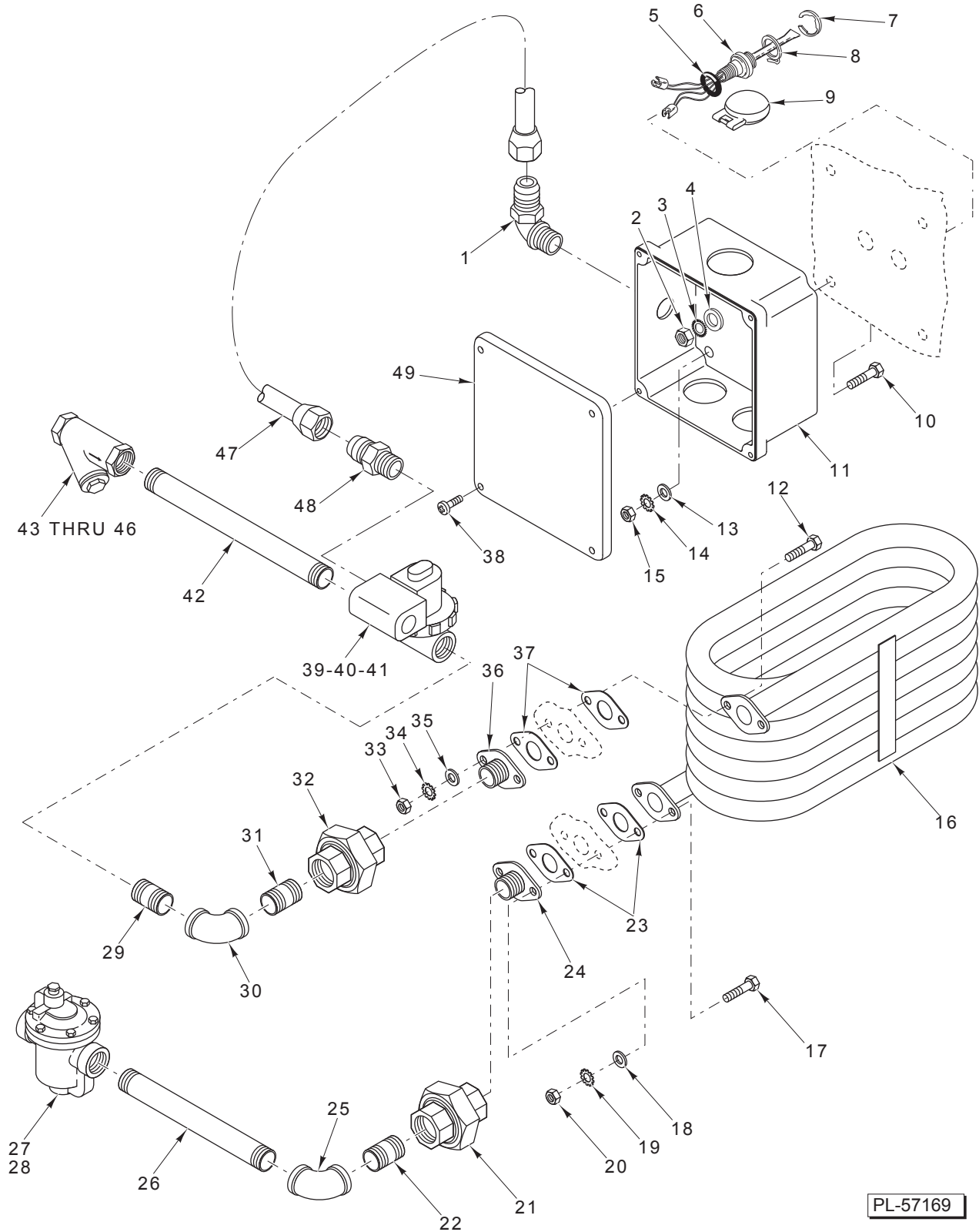




**STEAM INJECTOR HEAT**

**STEAM INJECTOR HEAT**

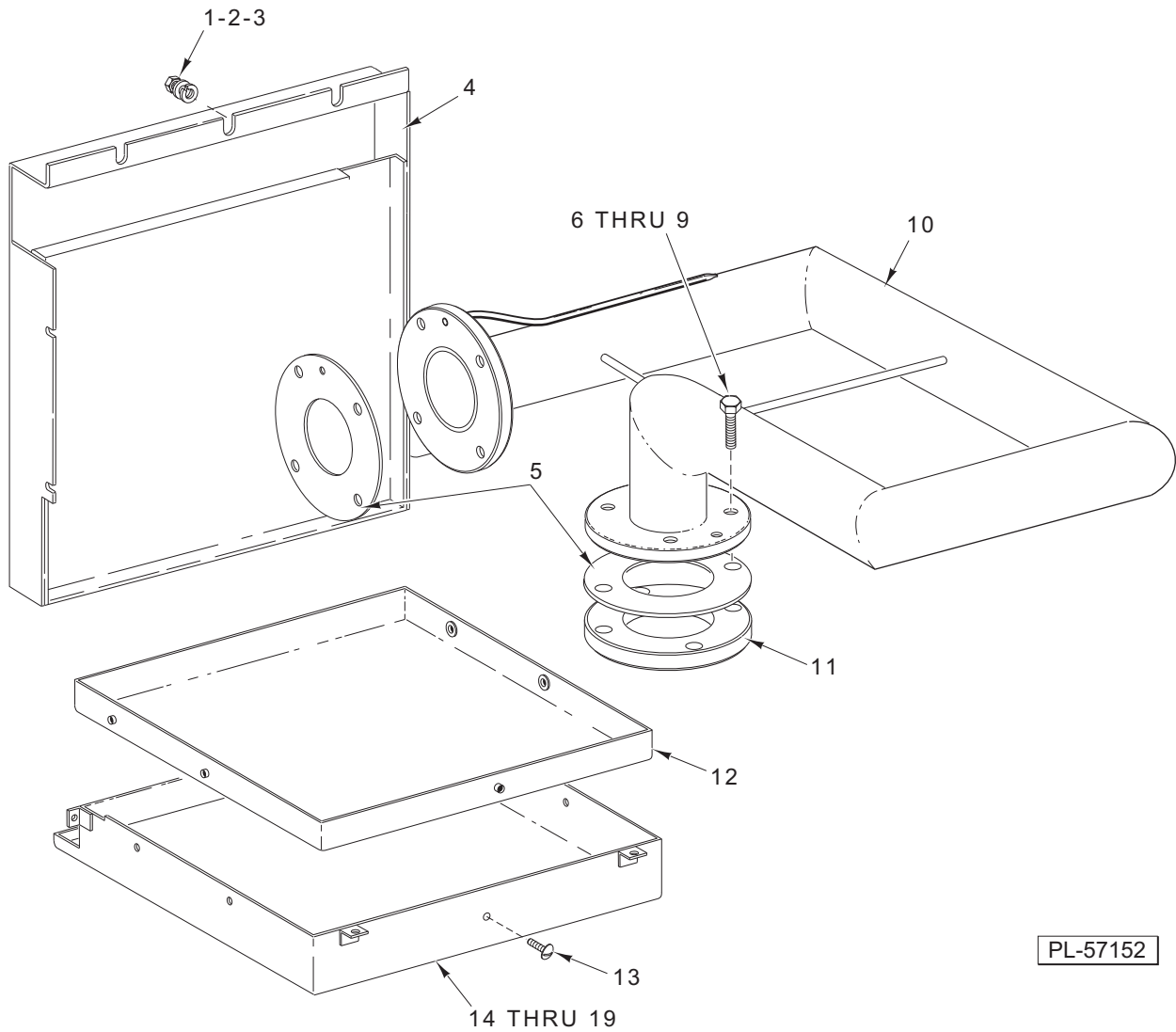
ILLUS.	PART NO.	NAME OF PART	AMT.
PL-57151			
1	FP-085-05	Pipe 1 x 10 <sup>1</sup> / <sub>2</sub> STOE (SST) .....	1
2	00-288671	Silent Water Heater Assy. ....	1
3	FP-054-27	Pipe <sup>3</sup> / <sub>4</sub> x 1 <sup>3</sup> / <sub>8</sub> TBE (SST).....	1
4	FP-054-27	Pipe <sup>3</sup> / <sub>4</sub> x 1 <sup>3</sup> / <sub>8</sub> TBE (SST).....	1
5	FP-077-29	Elbow <sup>3</sup> / <sub>4</sub> x 45 Deg. (SST).....	1
6	00-435027	Plate.....	1
7	00-435026	Gasket .....	1
8	SC-041-15	Cap Screw <sup>5</sup> / <sub>16</sub> -18 x 1 <sup>1</sup> / <sub>4</sub> Hex Hd.....	6
9	WS-017-08	Washer.....	12
10	WL-006-23	Lockwasher <sup>5</sup> / <sub>16</sub> Medium (SST).....	6
11	NS-015-11	Nut <sup>5</sup> / <sub>16</sub> -18 Hex .....	6
12	00-271109	Gasket – Mounting.....	1
13	00-271108	Plate – Mounting.....	1
14	FP-036-05	Pipe <sup>3</sup> / <sub>4</sub> x 3 TBE.....	1
15	FP-022-17	Union <sup>3</sup> / <sub>4</sub> (Grd. Seat) .....	1
16	FP-036-92	Pipe <sup>3</sup> / <sub>4</sub> x 1 <sup>3</sup> / <sub>8</sub> TBE .....	1
17	FP-013-22	Elbow <sup>3</sup> / <sub>4</sub> x 90 Deg. ....	1
18	FP-036-92	Pipe <sup>3</sup> / <sub>4</sub> x 1 <sup>3</sup> / <sub>8</sub> TBE .....	1
19	00-074696	Check Valve <sup>3</sup> / <sub>4</sub> .....	1
20	FP-036-92	Pipe <sup>3</sup> / <sub>4</sub> x 1 <sup>3</sup> / <sub>8</sub> TBE .....	1
21	00-270329-00001	Valve – Solenoid <sup>3</sup> / <sub>4</sub> (Incls. Items 22 & 23) (Asco).....	1
22	00-270318-00001	Coil – Solenoid Valve (120 V.) (Asco).....	1
23	00-270336	Service Kit – Solenoid Valve (Asco).....	1
24	FP-036-92	Pipe <sup>3</sup> / <sub>4</sub> x 1 <sup>3</sup> / <sub>8</sub> TBE .....	1
25	FP-028-06	Plug <sup>1</sup> / <sub>4</sub> Pipe .....	1
26	FP-019-79	Tee <sup>3</sup> / <sub>4</sub> x <sup>1</sup> / <sub>4</sub> x <sup>3</sup> / <sub>4</sub> Reducing .....	1
27	FP-036-92	Pipe <sup>3</sup> / <sub>4</sub> x 1 <sup>3</sup> / <sub>8</sub> TBE .....	1
28	00-186922	Strainer – Line <sup>3</sup> / <sub>4</sub> (Brass).....	1
29	00-186923	Plug – Branch .....	1
30	00-186924	Gasket – Branch Plug.....	1
31	00-186925	Screen – Line Strainer .....	1
32	00-892004-00002	Valve – Solenoid ( <sup>3</sup> / <sub>4</sub> ) (Parker) .....	1
33	00-892363-00002	Coil – Solenoid Valve (110 - 120V.) (Parker).....	1
34	00-892072	Service Kit – Solenoid Valve ( <sup>3</sup> / <sub>4</sub> ) (Parker) .....	1



**STEAM COIL HEAT**

STEAM COIL HEAT

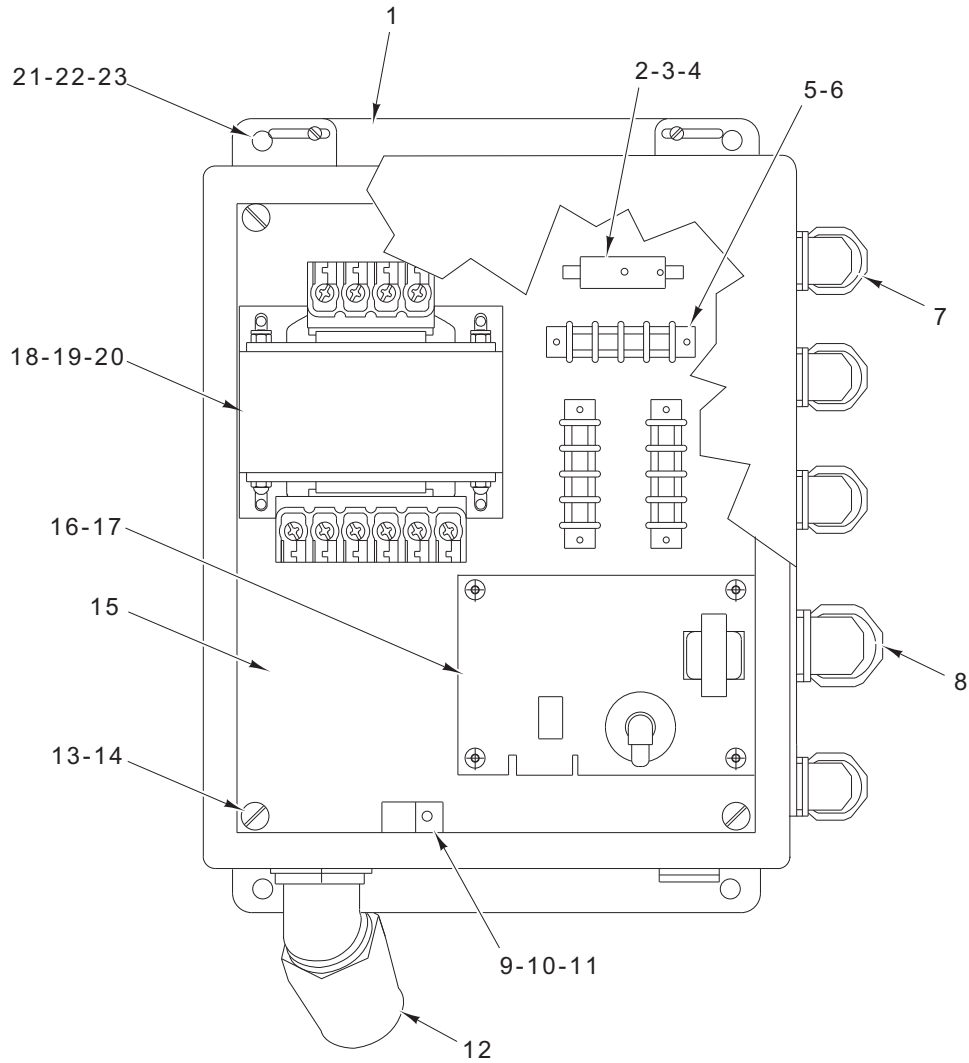
ILLUS. PL-57169	PART NO.	NAME OF PART	AMT.
1	FE-024-65	Connector 90 Deg. (Nometallic) (Sealtite) (1/2 Male).....	1
2	NS-018-28	Jam Nut 1/2-20 Hex.....	AR
3	WL-014-31	Lockwasher 1/2 External Shakeproof (SST).....	AR
4	WS-010-40	Washer – Thrust.....	AR
5	00-067500-00072	O-Ring.....	1
6	00-186091	Probe & Switch Assy. (4 Wire) (Temperature & Water Level) (Incls. Items 7, 8, & 9).....	1
7	RR-010-13	Retaining Ring.....	1
8	00-112467	Retainer – Float.....	1
9	00-122674	Float Assy.....	1
10	SC-041-11	Cap Screw 5/16-18 x 3/4 Hex Hd.....	4
11	00-271112-00001	Box – Steam Heat.....	1
12	SC-041-13	Cap Screw 5/16-18 x 1 Hex Hd.....	2
13	WS-017-08	Washer.....	8
14	WL-006-23	Lockwasher 5/16 Helical.....	4
15	NS-015-11	Nut 5/16-18 Hex.....	4
16	00-812757	Coil – Steam.....	1
17	SC-041-13	Cap Screw 5/16-18 x 1 Hex Hd.....	2
18	WS-017-08	Washer.....	2
19	WL-006-23	Lockwasher 5/16 Helical.....	2
20	NS-015-11	Nut 5/16-18 Hex.....	2
21	FP-022-17	Union 3/4 (Grd. Seat).....	1
22	FP-036-92	Pipe 3/4 x 1 3/8 TBE.....	1
23	00-435762	Gasket.....	2
24	00-812761	Flange – Pipe.....	1
25	FP-013-22	Elbow 3/4 x 90 Deg.....	1
26	FP-059-65	Pipe 3/4 x 6 TBE.....	1
27	00-118316	Steam Trap (0-20 PSI).....	1
28	00-118317	Steam Trap (21-50 PSI).....	1
29	FP-036-92	Pipe 3/4 x 1 3/8 TBE.....	1
30	FP-013-22	Elbow 3/4 x 90 Deg.....	1
31	FP-036-92	Pipe 3/4 x 1 3/8 TBE.....	1
32	FP-022-17	Union 3/4 (Grd. Seat).....	1
33	NS-015-11	Nut 5/16-18 Hex.....	2
34	WL-006-23	Lockwasher 5/16 Helical.....	2
35	WS-017-08	Washer.....	2
36	00-812761	Flange – Pipe.....	1
37	00-435762	Gasket.....	2
38	SD-012-20	Self-Tapping Screw 8-32 x 1/2 Phil. Truss Hd., Type T.....	4
39	00-892004-00002	Valve – Solenoid (3/4) (Parker).....	1
40	00-892363-00002	Coil – Solenoid Valve (110-120V.) (Parker).....	1
41	00-892072	Service Kit – Solenoid Valve (3/4) (Parker).....	1
42	FP-083-48	Pipe 3/4 x 8 1/2 TBE.....	1
43	00-186922	Line Strainer 3/4 (Brass) (Incls. Items 42, 43, & 44).....	1
44	00-186923	Plug – Branch.....	1
45	00-186924	Gasket – Branch Plug.....	1
46	00-186925	Screen – Line Strainer.....	1
47	00-812506-00017	Conduit – Liquidtite.....	1
48	FE-024-57	Connector – Straight (Nonmetallic) (Sealtite).....	1
49	00-288465	Lid & Gasket Assy.....	1
	00-294357-00001	Housing – Connector (Nat).....	AR
	00-294357-00002	Housing – Connector (Black).....	AR



**GAS HEAT IMMERSION TUBE,  
SHROUD, AND FLUE**

**GAS HEAT IMMERSION TUBE,  
SHROUD, AND FLUE**

ILLUS. PL-57152	PART NO.	NAME OF PART	AMT.
1	WS-003-49	Washer.....	7
2	WL-006-17	Lockwasher 1/4 Helical (SST).....	7
3	NS-015-01	Nut 1/4-20 Hex (SST).....	7
4	00-812470	Flue – Weldment.....	1
5	00-436100	Gasket – Immersion Tube.....	2
6	SC-121-43	Cap Screw 7/16-14 x 1 3/4 Hex Hd. ....	4
7	WS-021-07	Washer.....	8
8	WL-019-77	Lockwasher 7/16 Medium ..... 4	4
9	NS-047-97	Nut 7/16-14 Hex ..... 4	4
10	00-473123	Tube – Immersion ..... 1	1
11	00-435952	Flange – Immersion Tube ..... 1	1
12	00-812467-00001	Liner – Shroud ..... 1	1
13	SC-066-06	Mach. Screw 10-24 x 1/2 Phil. Truss Hd. (SST).....	5
14	00-812466-00001	Shroud – Weldment.....	1
15	00-812476	Insulation – Shroud.....	1
16	SC-041-10	Cap Screw 5/16-18 x 5/8 Hex Hd. ....	4
17	WS-017-08	Washer.....	4
18	WL-006-23	Lockwasher 5/16 Helical ..... 4	4
19	NS-015-11	Nut 5/16-18 Hex (SST).....	4



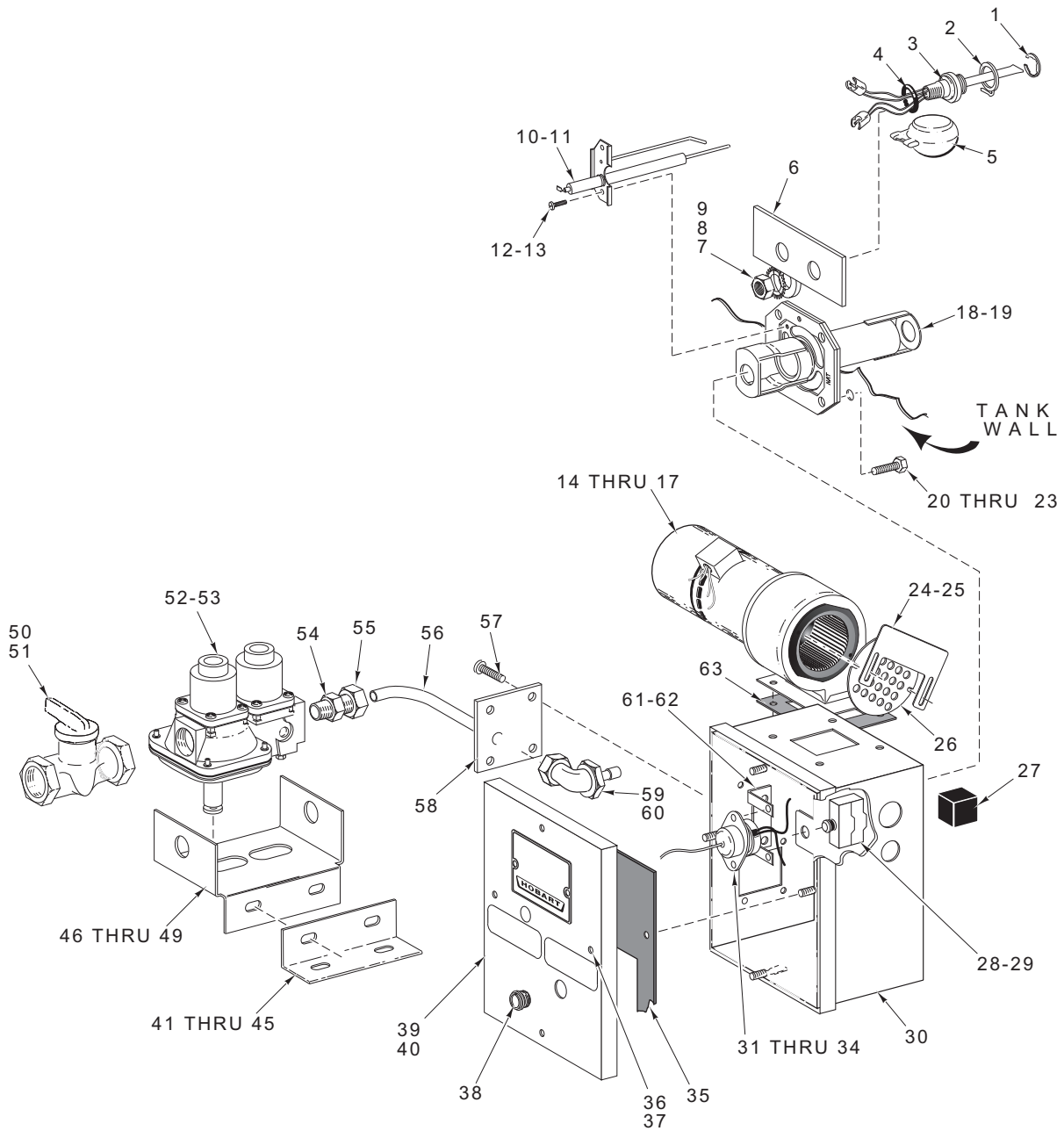
PL-58358

**CONTROL BOX  
(GAS HEAT)**

**CONTROL BOX  
(GAS HEAT)**

ILLUS.	PART NO.	NAME OF PART	AMT.
PL-58358			
1	00-812480	Box – Control .....	1
2	00-294436-00003	Block – Fuse .....	1
3	FE-021-19	Fuse (250 V., 3.2 Amp.) .....	1
4	SD-008-17	Self-Tapping Screw 6-20 x 3/8 Phil. Bndg. Hd., Type B .....	1
5	00-294325-014-1	Terminal Block .....	3
6	SD-009-17	Self Tapping Screw 8-32 x 5/8 Phil. Pan Hd., Type F .....	6
7	FE-024-65	Connector 90 Deg. (Nonmetallic) (Sealtite) (1/2 Male).....	2
8	FE-024-66	Connector 90 Deg. (Nonmetallic) (Sealtite) (3/4 Male).....	1
9	00-294677-00003	Clamp – Wire (3/4 I.D.).....	1
10	SD-008-25	Self-Tapping Screw 10-16 x 1/2 Phil. Pan Hd., Type B .....	1
11	WL-007-12	Lockwasher #10 External Shakeproof .....	1
12	FE-024-63	Connector 45 Deg. (Nonmetallic) (Sealtite) (1 In. Male).....	1
13	SC-071-11	Mach. Screw 10-24 x 3/8 Phil. Truss Hd. ....	4
14	WL-007-12	Lockwasher #10 External Shakeproof .....	4
15	00-812478	Plate – Base .....	1
16	00-918223	Ignitor Board 24 VAC .....	1
17	SD-009-40	Self-Tapping Screw 6-32 x 3/4 Phil. Pan Hd., Type F.....	4
18	00-294500-046-2	Transformer (300 VA) Pilot Control.....	1
19	WL-014-07	Lockwasher #10 External Shakeproof (SST).....	4
20	SD-019-23	Self-Tapping Screw 10-16 x 3/8 Phil. Pan Hd., Type B .....	4
21	SC-041-05	Cap Screw 1/4-20 x 5/8 Hex Hd.....	4
22	WL-006-17	Lockwasher 1/4 Helical (SST) .....	4
23	NS-015-01	Nut 1/4-20 Hex (SST).....	4
	00-812473-00001	Bracket – Gas Control Box .....	1



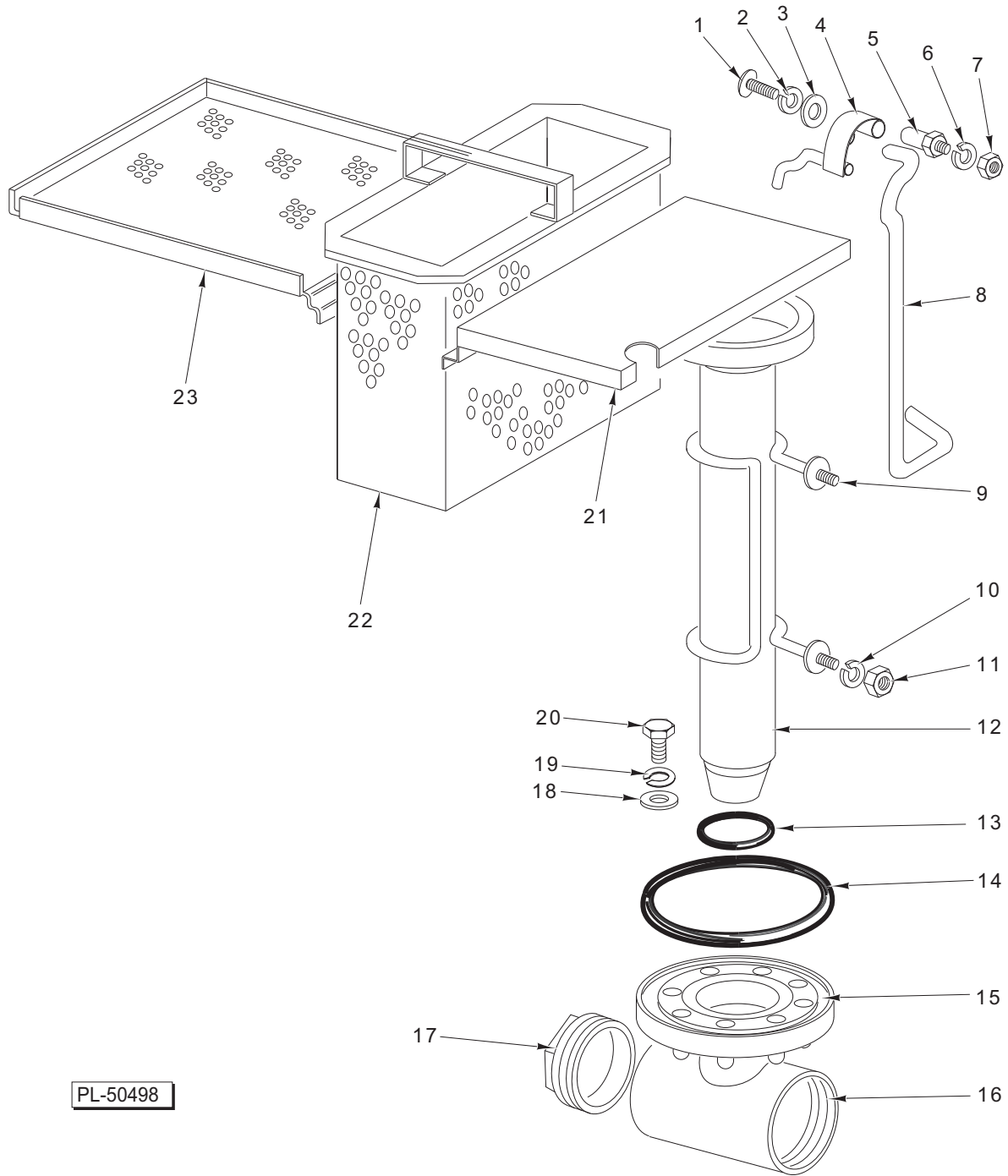


PL-52118

**GAS HEAT COMPONENTS**

## GAS HEAT COMPONENTS

ILLUS.	PART NO.	NAME OF PART	AMT.
	PL-52118		
1	RR-010-13	Retaining Ring .....	1
2	00-112467	Retainer – Float .....	1
3	00-271621	Probe & Switch Assy. (4 Wire) (Temperature & Water Level) .....	1
4	00-067500-00072	O-Ring .....	1
5	00-122674	Float Assy.....	1
6	00-435960-00001	Plate – Spacer Float/Probe.....	1
7	NS-018-28	Jam Nut 1/2-20 Hex.....	1
8	WL-014-03	Lockwasher #6 External Shakeproof.....	1
9	WS-010-40	Washer – Thrust .....	1
10	00-436792	Electrode – Spark/Sense (NAT).....	1
11	00-436067	Electrode – Spark/Sense (PRO).....	1
12	SC-120-35	Mach. Screw 8-32 x 3/8 Phil. Pan Hd. (SST) .....	2
13	WL-014-05	Lockwasher #8 External Shakeproof.....	2
14	00-328476-00001	Blower – Motor & Switch.....	1
15	SC-041-05	Cap Screw 1/4-20 x 5/8 Hex Hd.....	4
16	WL-014-10	Lockwasher 1/4 External Shakeproof.....	1
17	NS-031-21	Stop Nut – Special 1/4-20 Hex .....	4
18	00-328649	Burner – Weldment (NAT-60 Hz.) .....	1
19	00-436761	Burner – Weldment (PRO-60 Hz.).....	1
20	SC-121-43	Cap Screw 7/16-14 x 1 3/4 Hex Hd. ....	4
21	WS-021-07	Washer.....	8
22	WL-019-77	Lockwasher 7/16 Medium .....	4
23	NS-047-97	Nut 7/16-14 Hex .....	4
24	00-328428	Plate – Adjusting .....	1
25	SD-012-20	Self-Tapping Screw 8-32 x 1/2 Phil. Truss Hd., Type T .....	2
26	00-328427	Plate – Restrictor .....	1
27	00-328450	Plug – Rubber (Conduit).....	2
28	00-087711-153-1	Switch – Limit.....	1
29	00-328508	Insulator – Switch .....	1
30	00-328465	Box – Heat (LH).....	1
31	00-271123	Protector – High-Limit .....	1
32	SC-127-26	Mach. Screw 6-32 x 3/8 Phil. Rd. Hd. (SST) .....	2
33	NS-031-50	Stop Nut 6-32 Hex (SST).....	2
34	00-293946	Sleeve – Lead.....	1
35	00-328429	Gasket – Heat Box Lid.....	1
36	WS-019-06	Washer.....	4
37	NS-031-16	Stop Nut 10-24 Hex (Elastic) (SST).....	4
38	00-435024	Eye – Box (Gas Heat).....	1
39	00-812491	Lid Assy. – Box (Gas Heat) (NAT).....	1
40	00-812491-00002	Lid Assy. – Box (Gas Heat) (PRO).....	1
41	00-812472	Bracket – Gas Valve Mounting.....	1
42	SC-041-50	Cap Screw 1/4-20 x 1/2 Hex Hd.....	2
43	WS-017-06	Washer.....	2
44	WL-006-17	Lockwasher 1/4 Helical (SST).....	2
45	NS-015-01	Nut 1/4-20 Hex (SST).....	2
46	00-328212	Bracket – Valve .....	2
47	SC-041-10	Cap Screw 5/16-18 x 5/8 Hex Hd. ....	2
48	WL-006-23	Lockwasher 5/16 Medium (SST).....	2
49	NS-015-11	Nut 5/16-18 Hex .....	2
50	00-291988-00003	Valve – Gas Cock .....	1
51	FP-035-94	Pipe 1/2 x 1 1/2 Lg. TBE.....	1
52	00-328426-00001	Valve – Regulator (NAT) .....	1
53	00-328426-00002	Valve – Regulator (PRO) .....	1
54	FP-026-14	Bushing – 1/2 to 3/8 .....	1
55	00-435702	Connector – Male 7/16.....	1
56	00-328425-00002	Tube – Gas .....	1
57	SC-066-05	Mach. Screw 10-24 x 3/8 Phil. Truss Hd. ....	4
58	00-328440	Plate – Gas Line .....	1
59	00-435701-00002	Angle Fitting #43 (LP).....	1
60	00-435701-00003	Angle Fitting 7/16 (NAT).....	1
61	00-271122	Bracket – Thermostat.....	1
62	SC-066-05	Mach. Screw 10-24 x 3/8 Phil. Truss Hd. ....	2
63	00-328473	Gasket – Blower .....	1
	00-294357-00001	Housing – Connector (Nat).....	1
	00-294357-00002	Housing – Connector (Black).....	1

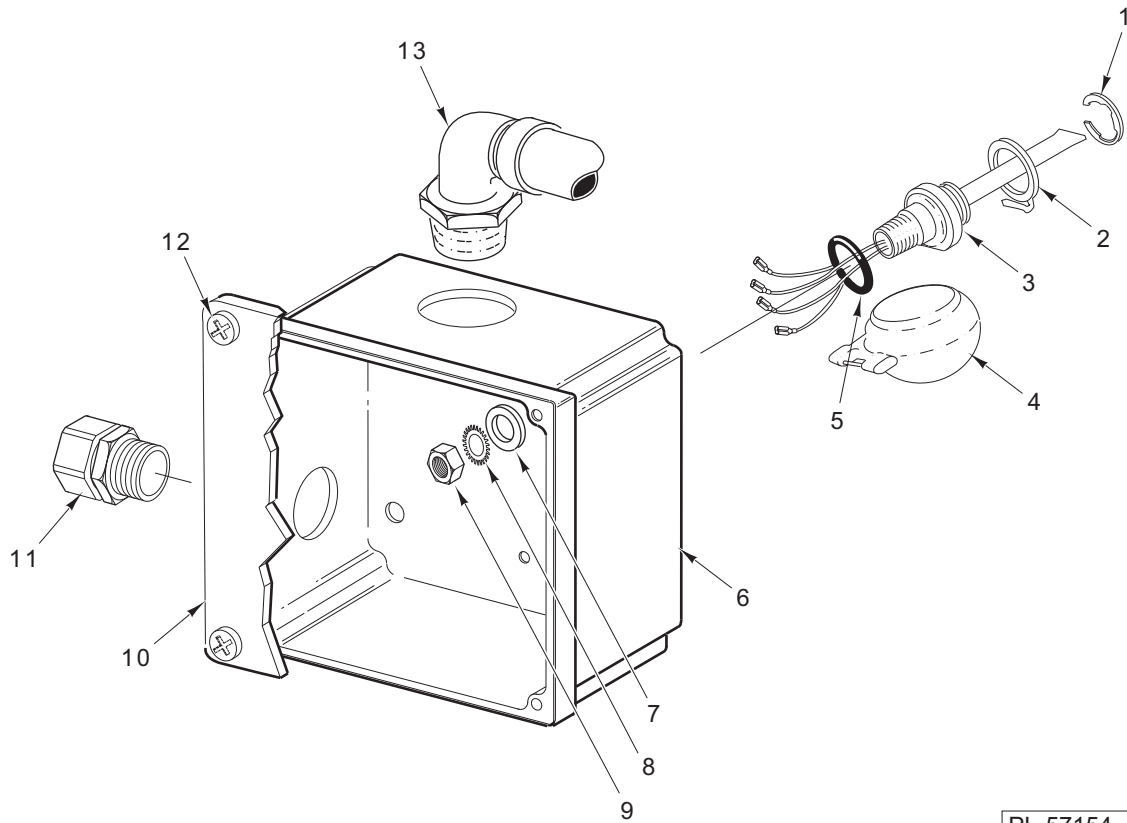


PL-50498

### STRAINERS AND DRAIN

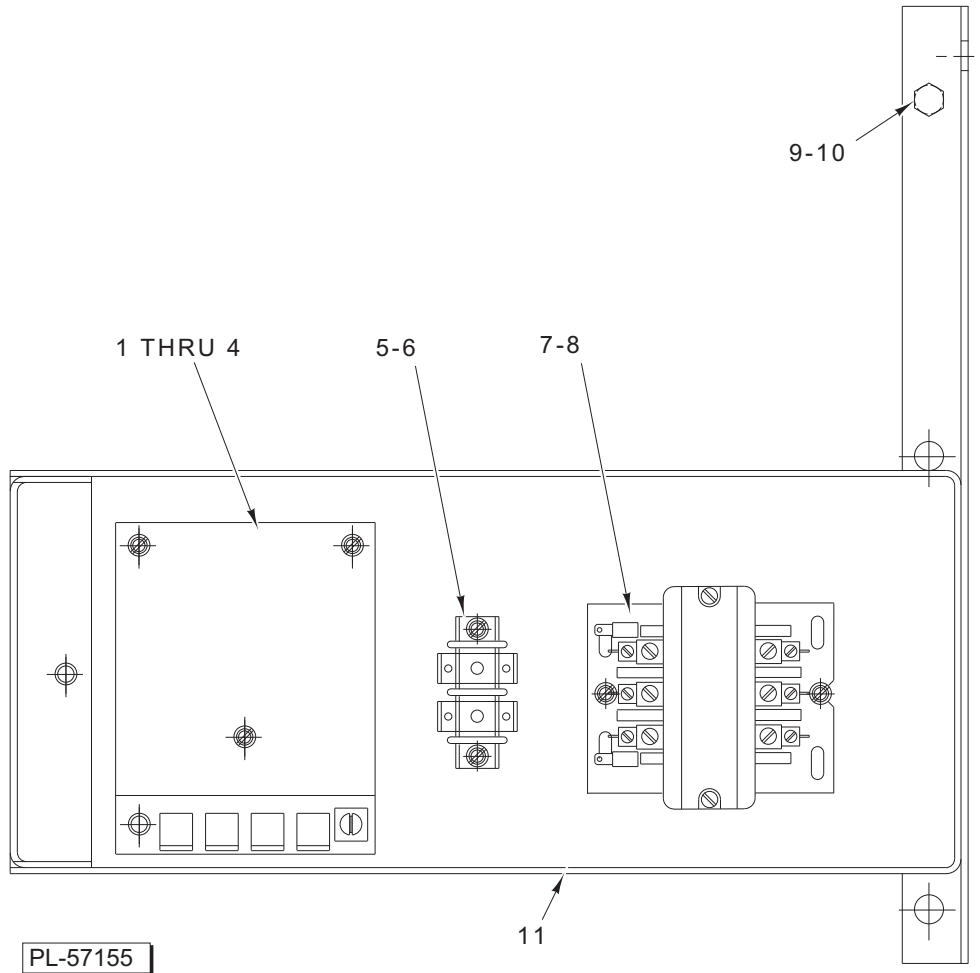
**STRAINERS AND DRAIN**

ILLUS.	PART NO.	NAME OF PART	AMT.
	PL-50498		
1	SC-114-15	Mach. Screw 10-24 x 3/8 Phil. Rd. Hd. (SST).....	1
2	WL-006-07	Lockwasher #10 Medium.....	1
3	WS-019-06	Washer.....	1
4	00-163320	Drain Lever Assy.....	1
5	00-119116	Axle – Drain Lever.....	1
6	WL-006-17	Lockwasher 1/4 Helical (SST).....	1
7	NS-015-01	Nut 1/4-20 Hex (SST).....	1
8	00-119119	Rod – Overflow Lift.....	1
9	00-277025	Guide.....	1
10	WL-006-17	Lockwasher 1/4 Helical (SST).....	2
11	NS-018-01	Jam Nut 1/4-20 Hex.....	2
12	00-119099-00002	Tube – Overflow.....	1
13	00-067500-00120	O-Ring.....	1
14	00-067500-00082	O-Ring.....	1
15	00-119239	Sleeve.....	1
16	00-118976	Body – Drain Valve.....	1
17	FP-028-32	Pipe Plug 2 In. Sq. Hd. ....	1
18	WS-017-08	Washer.....	8
19	WL-006-23	Lockwasher 5/16 Medium (SST).....	8
20	SC-041-11	Cap Screw 5/16-18 x 3/4 Hex Hd. (SST).....	8
21	00-163275	Overflow Cover.....	1
22	00-163283	Strainer Bucket.....	1
23	00-811842	Strainer Pan.....	1



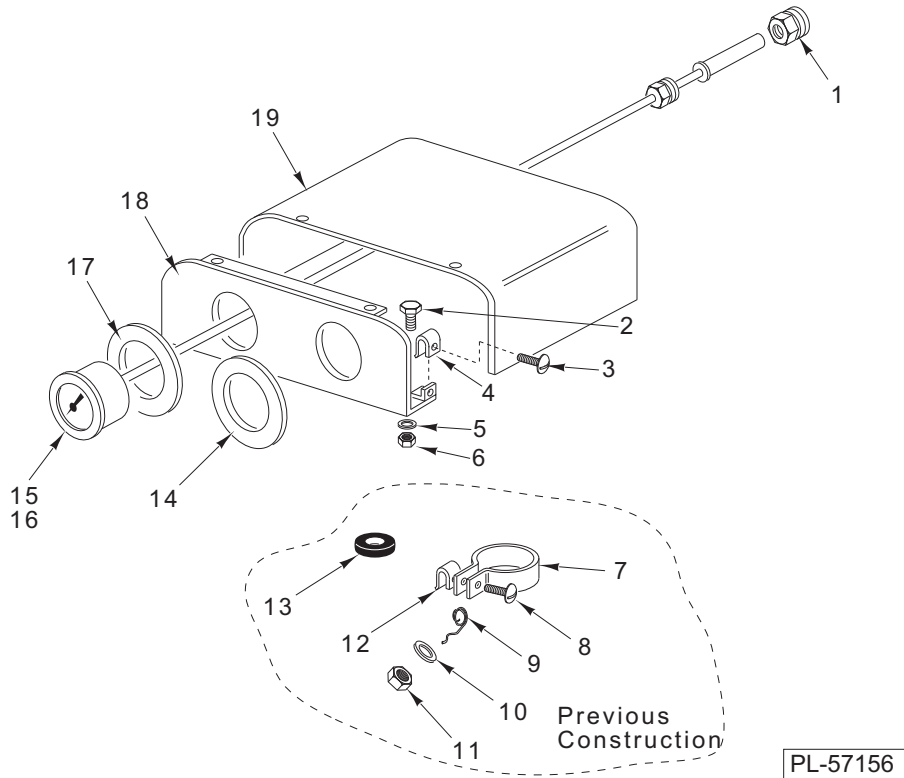
**LOW WATER PROTECTION  
(STEAM HEAT/WASH TANK)**

ILLUS.	PART NO.	NAME OF PART	AMT.
PL-57154			
1	RR-010-13	Retaining Ring .....	1
2	00-112467	Retainer – Float .....	1
3	00-271621	Probe & Switch Assy. (4 Wire) (Temperature & Water Level) .....	1
4	00-122674	Float Assy.....	1
5	00-067500-00072	O-Ring .....	1
6	00-271112-00001	Box – Steam Heat.....	1
7	WS-010-40	Washer – Thrust .....	1
8	WL-014-31	Lockwasher 1/2 External Shakeproof (SST) .....	1
9	NS-018-28	Jam Nut 1/2-20 Hex.....	1
10	00-288465	Lid & Gasket Assy.....	1
11	FE-024-57	Connector – Straight (Nonmetallic) (Seallite) .....	1
12	SD-012-20	Self-Tapping Screw 8-32 x 1/2 Phil. Truss Hd., Type T .....	4
13	FE-024-65	Connector 90 Deg. (Nonmetallic) (Seallite) (1/2 Male).....	1
	00-294357-00001	Housing – Connector (NAT).....	1
	00-294357-00002	Housing – Connector (Black).....	1



**BOOSTER CONTROL BOX**

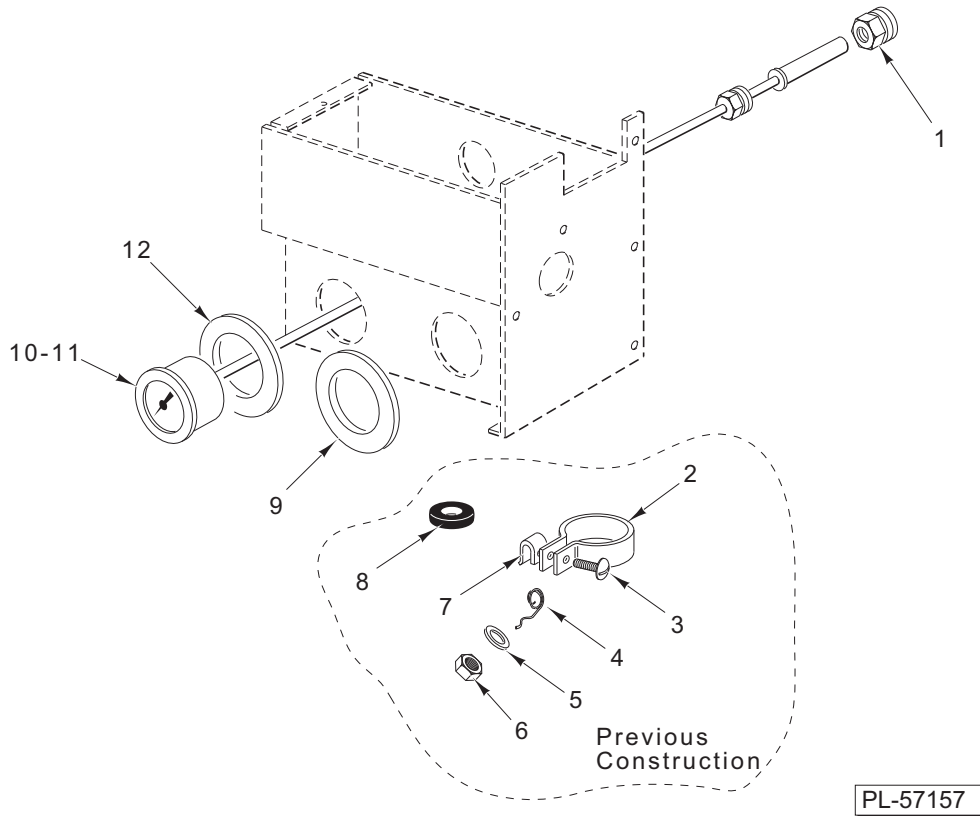
ILLUS.	PART NO.	NAME OF PART	AMT.
PL-57155			
1	00-475811	Board – Temperature Control.....	1
2	SD-038-02	Self-Tapping Screw 6-20 x 5/8 Phil. Pan Hd., Type B .....	3
3	WS-028-12	Washer.....	3
4	00-476653	Spacer – Circuit Board.....	4
5	00-117256	Block – Terminal.....	1
6	SC-125-42	Mach. Screw 8-32 x 1/2 Phil. Rd. Hd.....	2
7	00-087713-041-2	Contactors (3-Pole) (40 Amp.).....	1
8	SC-125-42	Mach. Screw 8-32 x 1/2 Phil. Rd. Hd.....	2
9	SC-041-05	Cap Screw 1/4-20 x 5/8 Hex Hd.....	4
10	NS-031-19	Stop Nut 1/4-20 (Elastic) (SST).....	4
11	00-812354	Booster Control Box.....	1
	00-812360	Cover – Booster Control Box.....	1
	SC-066-06	Mach. Screw 10-24 x 1/2 Phil. Truss Hd. (SST) (Fastens Cover to Box).....	2
	FE-023-53	Bushing – Electric Snap.....	1



**THERMOMETER UNIT  
(WITHOUT BOOSTER)**

ILLUS. PL-57156	PART NO.	NAME OF PART	AMT.
1	00-107218	Coupling – Thermometer Bulb.....	2
2	SC-041-10	Cap Screw <sup>5</sup> / <sub>16</sub> -18 x <sup>5</sup> / <sub>8</sub> Hex Hd. ....	2
3	SC-066-06	Mach. Screw 10-24 x <sup>1</sup> / <sub>2</sub> Phil. Truss Hd. (SST).....	4
4	00-074348	Speed Nut 10-24.....	4
5	WL-006-22	Lockwasher <sup>5</sup> / <sub>16</sub> Light .....	2
6	NS-015-11	Nut <sup>5</sup> / <sub>16</sub> -18 Hex .....	2
*7	00-074098	Clamp – Thermometer .....	3
*8	SC-053-03	Mach. Screw 10-24 x <sup>3</sup> / <sub>4</sub> Slotted Truss Hd. ....	3
*9	00-276451	Retainer – Wire.....	1
*10	WS-022-04	Washer.....	1
*11	NS-015-01	Nut <sup>1</sup> / <sub>4</sub> -20 Hex (SST).....	1
*12	00-074348	Speed Nut 10-24.....	3
*13	00-065028	Grommet.....	1
14	00-286684	Ring – Wash Identification .....	1
15	00-328696-00002	Thermometer (3 Ft.) (Final Rinse).....	1
16	00-437041-00004	Thermometer (11 Ft.) (Wash) .....	1
17	00-286687	Ring – Final Rinse Identification .....	1
18	00-812401	Thermometer Panel Assy.....	1
19	00-292419	Housing – Thermometer (5 In. Lg.).....	1

\*Previous Construction

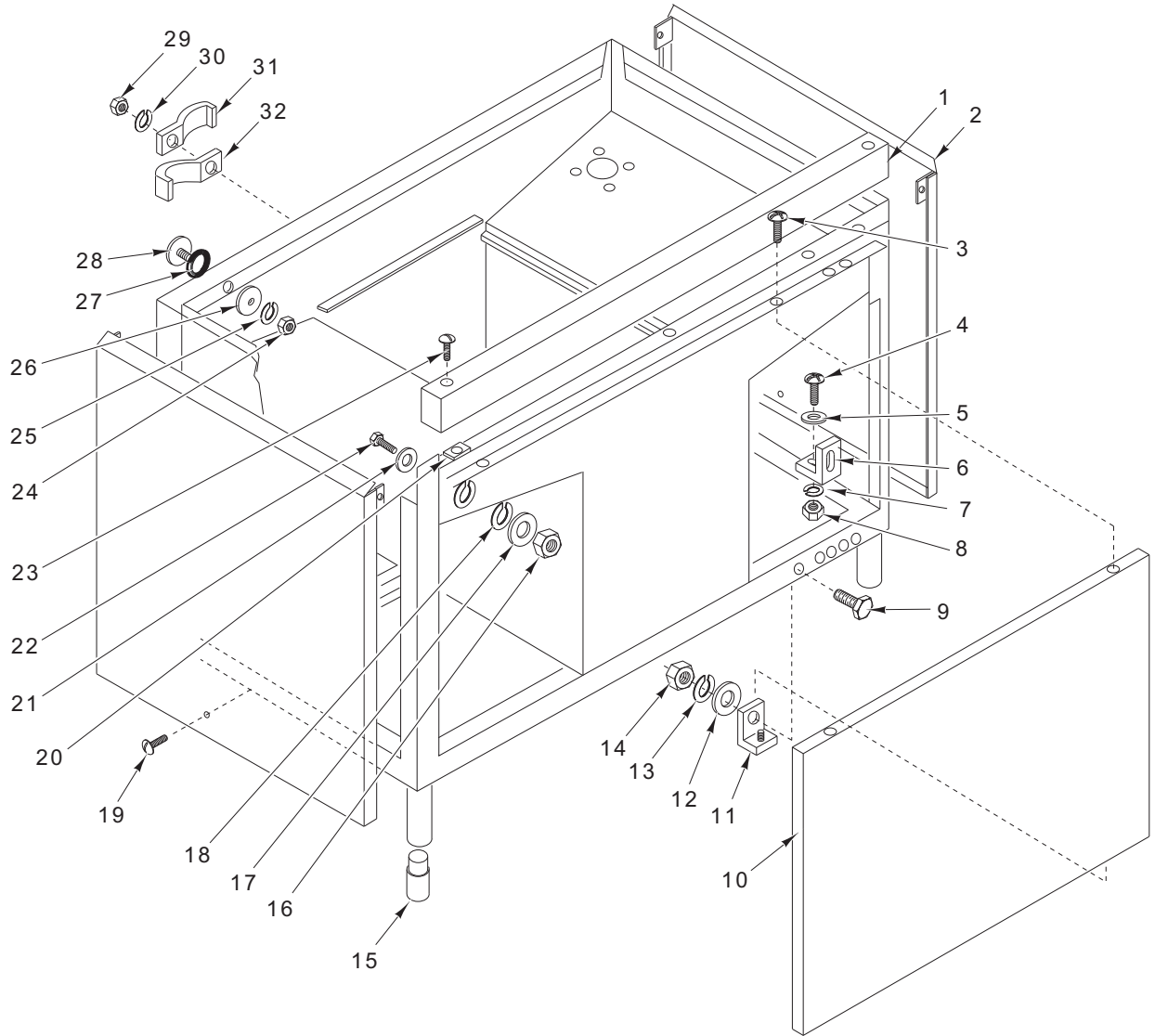


**THERMOMETER UNIT  
(WITH BOOSTER)**

ILLUS. PL-57157	PART NO.	NAME OF PART	AMT.
1	00-107218	Coupling – Thermometer Bulb .....	1
*2	00-074098	Clamp – Thermometer .....	3
*3	SC-053-03	Mach. Screw 10-24 x 3/4 Slotted Truss Hd. ....	3
*4	00-276451	Retainer – Wire .....	1
*5	WS-022-04	Washer.....	1
*6	NS-015-01	Nut 1/4-20 Hex (SST).....	1
*7	00-074348	Speed Nut 10-24.....	3
*8	00-065028	Grommet.....	1
9	00-286684	Ring – Wash Identification .....	1
10	00-328696-00002	Thermometer (3 Ft.) (Final Rinse).....	1
11	00-437041-00004	Thermometer (11 Ft.) (Wash) .....	1
12	00-286687	Ring – Final Rinse Identification .....	1

\*Previous Construction



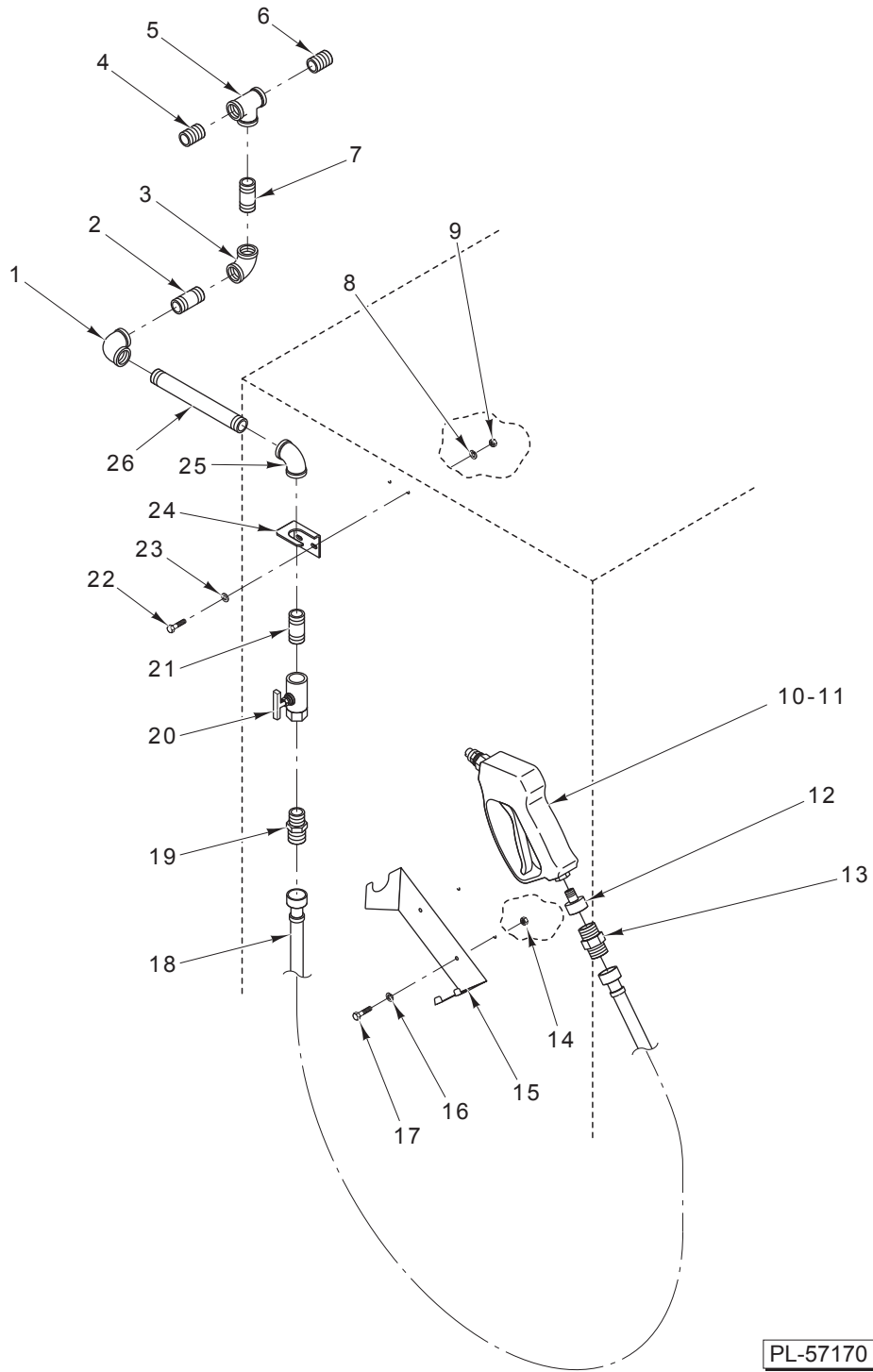


PL-51403

### FRAMES AND PANELS

**FRAMES AND PANELS**

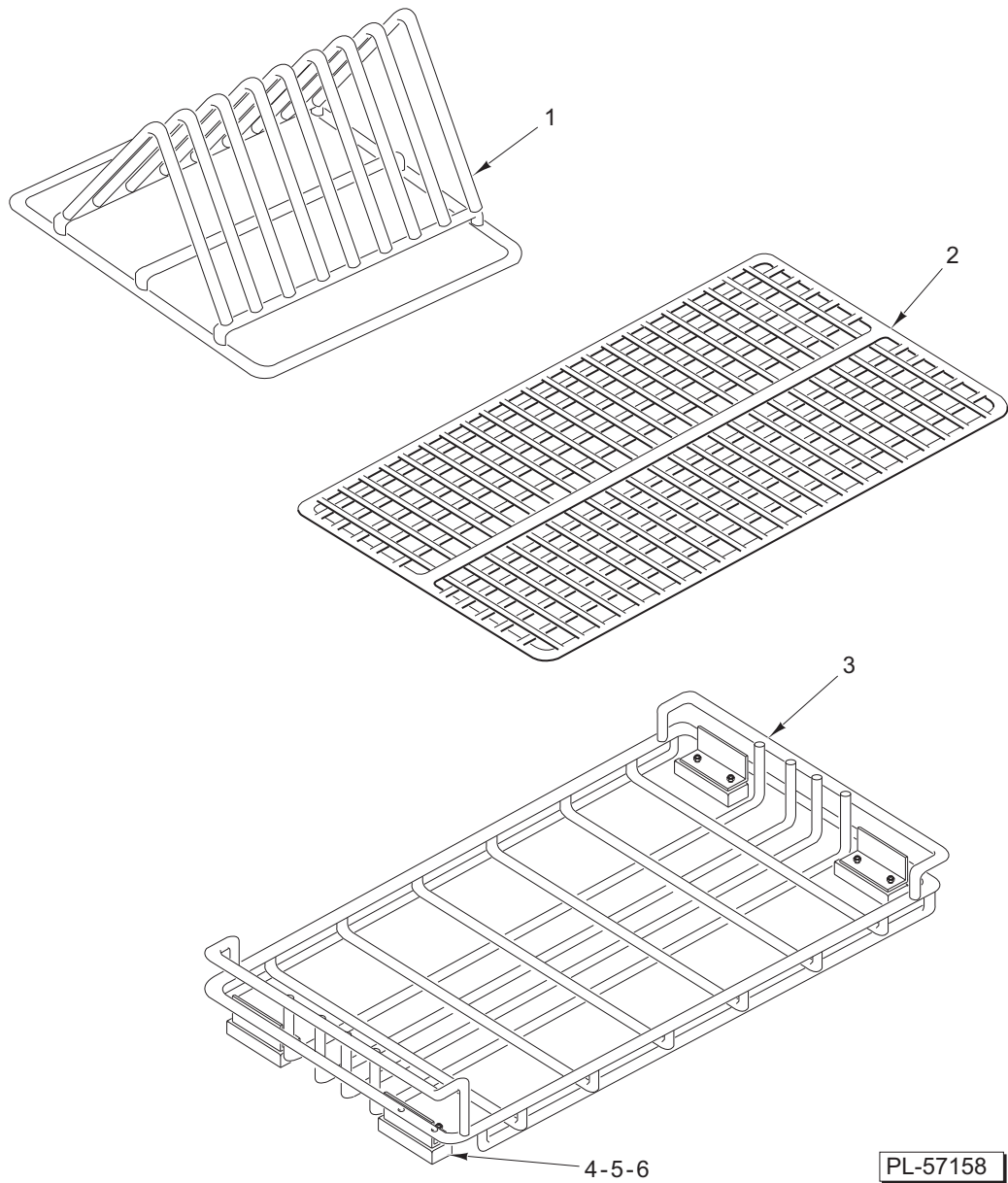
ILLUS.	PART NO.	NAME OF PART	AMT.
PL-51403			
1	00-163217	Trim – Panel.....	1
2	00-163235	Side Panel Assy. ....	2
3	SD-017-29	Self-Tapping Screw 6-20 x 3/8 Phil. Truss Hd., Type AB.....	2
4	SC-041-01	Cap Screw 1/4-20 x 3/4 Hex Hd.....	1
5	WS-017-06	Washer.....	6
6	00-163458	Bracket – Control Box Mounting .....	3
7	WL-006-17	Lockwasher 1/4 Helical (SST) .....	6
8	NS-015-01	Nut 1/4-20 Hex (SST).....	6
9	SC-041-05	Cap Screw 1/4-20 x 5/8 Hex Hd.....	2
10	00-163230	Panel – Front .....	1
11	00-163290	Front Panel Support Bracket Assy. ....	2
12	WS-017-06	Washer.....	2
13	WL-006-17	Lockwasher 1/4 Helical (SST) .....	2
14	NS-015-01	Nut 1/4-20 Hex (SST).....	2
15	00-288946-00002	Foot – Adjustable Hex (SST) .....	4
16	NS-015-11	Nut 5/16-18 Hex .....	4
17	WS-017-21	Washer.....	4
18	WL-006-22	Lockwasher 5/16 Light .....	8
19	SC-066-06	Mach. Screw 10-24 x 1/2 Phil. Truss Hd. (SST).....	2
20	00-075895	Speed Nut 10-24.....	5
21	WS-017-21	Washer.....	4
22	SC-041-11	Cap Screw 5/16-18 x 3/4 Hex Hd. (SST).....	4
23	SC-066-06	Mach. Screw 10-24 x 1/2 Phil. Truss Hd. (SST).....	3
24	NS-015-01	Nut 1/4-20 Hex (SST).....	1
25	WL-006-17	Lockwasher 1/4 Helical (SST) .....	1
26	00-119254	Retainer – Cap & Stud.....	1
27	00-067500-00031	O-Ring .....	1
28	00-119244	Cap & Stud Assy. ....	1
29	NS-015-01	Nut 1/4-20 Hex (SST).....	1
30	WL-006-17	Lockwasher 1/4 Helical (SST) .....	1
31	FE-006-46	Clamp 3/4 .....	1
32	FE-025-10	Clamp 1 1/4 (Use With Booster).....	1



**SPRAY HOSE**

**SPRAY HOSE**

ILLUS. PL-57170	PART NO.	NAME OF PART	AMT.
1	FP-015-23	Elbow <sup>3</sup> / <sub>4</sub> x 90 Deg .....	1
2	FP-041-60	Pipe <sup>3</sup> / <sub>4</sub> x 2 <sup>5</sup> / <sub>8</sub> TBE .....	1
3	FP-015-23	Elbow <sup>3</sup> / <sub>4</sub> x 90 Deg .....	1
4	FP-041-50	Pipe <sup>3</sup> / <sub>4</sub> x 1 <sup>3</sup> / <sub>8</sub> TBE .....	1
5	FP-019-28	Tee – Pipe <sup>3</sup> / <sub>4</sub> x <sup>3</sup> / <sub>4</sub> x <sup>3</sup> / <sub>4</sub> .....	1
6	FP-041-50	Pipe <sup>3</sup> / <sub>4</sub> x 1 <sup>3</sup> / <sub>8</sub> TBE .....	1
7	FP-041-60	Pipe <sup>3</sup> / <sub>4</sub> x 2 <sup>5</sup> / <sub>8</sub> TBE .....	1
8	WL-006-17	Lockwasher <sup>1</sup> / <sub>4</sub> Helical (SST) .....	2
9	NS-015-01	Nut <sup>1</sup> / <sub>4</sub> -20 Hex .....	2
10	00-812608-00002	Nozzle .....	1
11	00-812608-00003	Gun – Spray .....	1
12	FP-088-17	Fitting – Hose .....	1
13	FP-088-18	Fitting – Hose .....	1
14	NS-031-15	Stop Nut 10-24 Hex .....	2
15	00-748293	Bracket – Sprayer .....	1
16	WS-019-06	Washer .....	2
17	SC-066-06	Mach. Screw 10-24 x <sup>1</sup> / <sub>2</sub> Phil. Truss Hd. ....	2
18	00-293625-00002	Hose – Fill (96 In.) .....	1
19	FP-087-32	Fitting – Hose .....	1
20	00-223220-00003	Valve – Ball ( <sup>3</sup> / <sub>4</sub> ) .....	1
21	FP-041-60	Pipe <sup>3</sup> / <sub>4</sub> x 2 <sup>5</sup> / <sub>8</sub> TBE .....	1
22	SC-041-05	Cap Screw <sup>1</sup> / <sub>4</sub> -20 x <sup>5</sup> / <sub>8</sub> Hex Hd. ....	2
23	WS-017-06	Washer .....	2
24	00-748294	Bracket – Piping Support .....	1
25	FP-015-23	Elbow <sup>3</sup> / <sub>4</sub> x 90 Deg .....	1
26	FP-042-15	Pipe <sup>3</sup> / <sub>4</sub> x 8 <sup>1</sup> / <sub>2</sub> TBE .....	1



**RACKS**

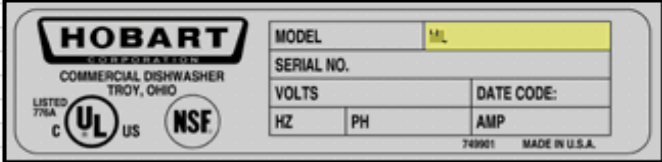
ILLUS.	PART NO.	NAME OF PART	AMT.
PL-57158			
1	00-172829	Insert – Tray.....	2
2	00-172830-00001	Tray – Bottom.....	1
3	00-812814	Tray (Incls. Items 4, 5, & 6).....	1
4	00-163997	Slide.....	4
5	SC-022-40	Mach. Screw 1/4-20 x 3/4 Phil. Flat Hd.....	8
6	NS-031-21	Stop Nut 1/4-20 Hex.....	8

# Online Parts Catalog

*Note: It is helpful, but not essential to know the ML (Material List) Number of the equipment for which a part is needed*

**How Do I Find An ML Number?**

The ML Number is found on the machine dataplate. The dataplate resembles the sample below, and is generally located on the back or side of a machine.



<b>HOBART</b> CORPORATION		MODEL	ML	
COMMERCIAL DISHWASHER TROY, OHIO				
LISTED 756A	UL	SERIAL NO.		
C	US	VOLTS	DATE CODE:	
NSF		HZ	PH	AMP
		749901		MADE IN U.S.A.

**Section 1 – If Equipment ML Number is known**  
**Section 2 – If Equipment ML Number is not known**



PRODUCT DIRECTORY | Locate an Office | Warranty Registration | Career Opportunities

SERVICE | PARTS | INSTALLATIONS | WATER TREATMENT | MANUALS & SUPPORT | CONTRACTS & PMs



### Hobart Service

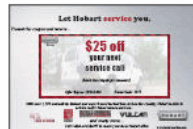
We're there for you, anytime you need us. 24x7.



We're within 50 miles of 95% of our service customers. Only Hobart can provide such blanket coverage because we're the premier equipment manufacturer with nearly 200 offices and 1,700

### Hobart Service News & Offers

Get \$25 Off Your Next Service Call!



From [hobartservice.com](http://hobartservice.com) select PARTS



PRODUCT DIRECTORY | Locate an Office | Warranty Registration | Career Opportunities

SERVICE | PARTS | INSTALLATIONS | WATER TREATMENT | MANUALS & SUPPORT | CONTRACTS & PMs



Hobart Service Home > **Hobart National Parts and Accessories Program**

### National Parts and Accessories Program

#### Hobart SmartParts® System

The [Hobart SmartParts® System](#) is an interactive parts catalog system. By entering information from your equipment's data plate, you can be assured that you are accessing the



#### Not Sure How to Use SmartParts™?

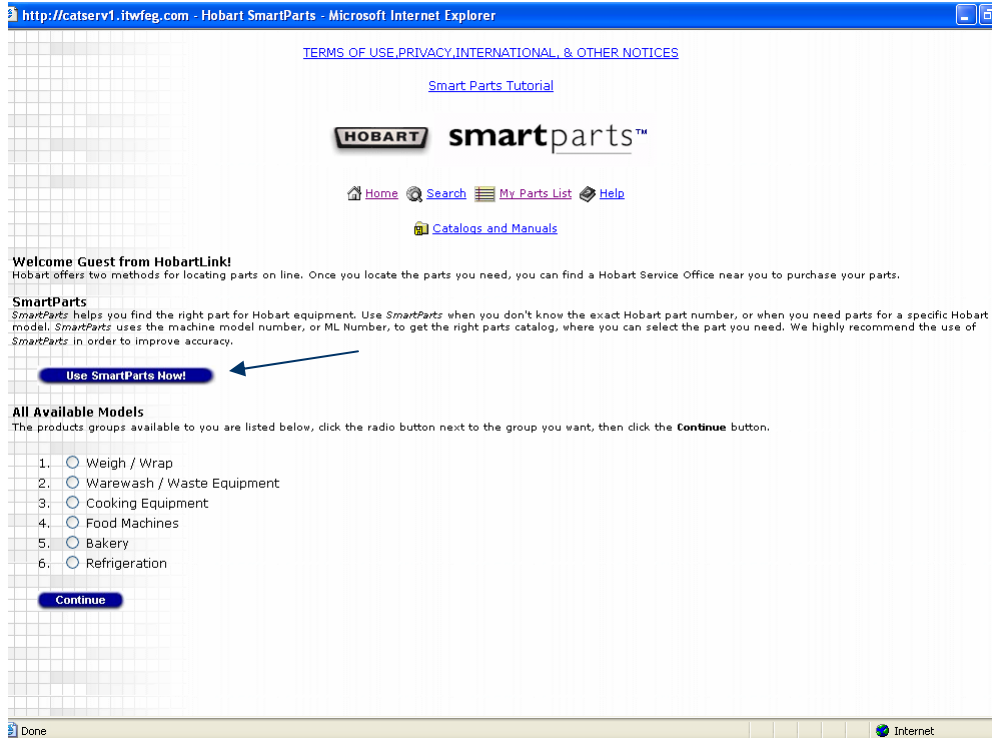
It's easy! Just go through the [Hobart SmartParts™ Online Tutorial](#) and you'll be a parts pro in no time!

#### Hobart Parts QuickLinks

- ▶ [Hobart SmartParts® System](#)
- ▶ [Parts Catalogs](#)

Next select SMARTPARTS

Web Browser Pop-up blocker must be turned off for this site in order for SmartParts to operate



*This is SmartParts home page*

***If the ML Number of the Equipment is known, select Use SmartParts Now***

*(We'll explain what to do if the ML number of the Equipment is not known in Section 2)*

## SmartParts

### Enter Your ML Number

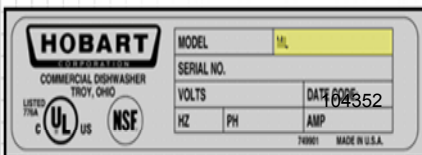
Enter your full or partial ML Number in the field provided, then click the **Search SmartParts!** button.

ML-

*Enter the ML number and click on Search SmartParts*

### How Do I Find An ML Number?

The ML Number is found on the machine dataplate. The dataplate resembles the sample below, and is generally located on the back or side of a machine.



**For this example, the part needed is a Water Pressure Gauge used on the LX 30 Undercounter Dishwasher**

**The ML number of this dishwasher is 104352**



# Hobart Parts Web

## SmartParts

SmartParts results for **104352** (listed by product group):

### Warewash / Waste Equipment

- LX Series Dishwashers (Includes ML numbers 104349, 104350, 104351, 104352, 130016, 130017, 130018, 130019)

Continue

Go Back

*Click on the Radio button to select the Parts Catalog*

*Then click on Continue*

## Assemblies Available

LX Series Dishwashers (Includes ML numbers 104349, 104350, 104351, 104352, 104353, 104354, 104355, 104356, 110380, 110381, 130016, 130017, 130018, 130019)

Click the radio button next to the assembly you want, then click the **Continue** button.

Continue

Go Back

- BASE ASSEMBLY
- TANK ASSEMBLY
- DOOR ASSEMBLY
- ELECTRICAL CONTROL DRAWER (LX SERIES)
- ELECTRICAL CONTROL DRAWER (LXi SERIES)
- DISPLAY
- WASH ARM ASSEMBLY (LX18 SERIES)
- WASH ARM ASSEMBLY (LX30/40, LXG, LXi, & LXiG SERIES)
- WASH PIPE ASSEMBLY
- 50 HZ., 60 HZ. PUMP AND MOTOR ASSEMBLY (INGERSOLL OR CRANE)

*The Water Pressure Gauge is on the Base Assembly*

*Select Base Assembly*

*Then click on Continue*

# Parts List

## BASE ASSEMBLY

Select an appropriate figure size

Change To:

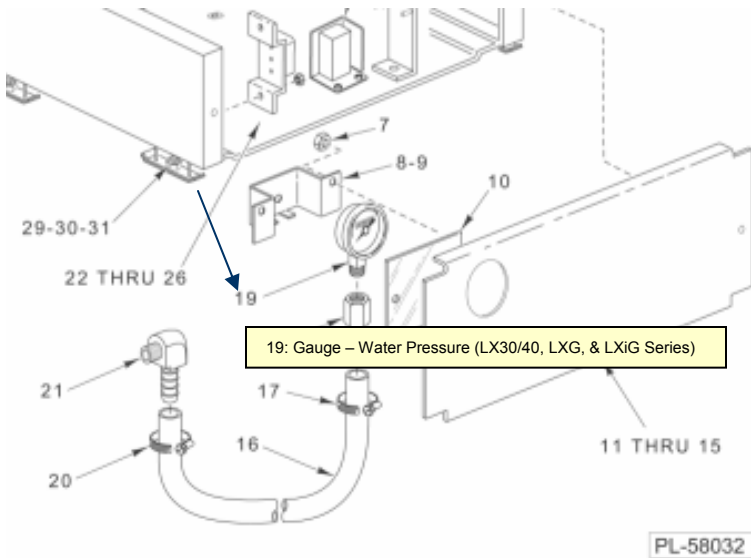
Different Assembly

Different Product

To add an item to your parts list, click the **Add** button next to the item. To see an exploded view, click on the view figure buttons.

View Figure: @ 25% @ 50% @ 75% @ 100% ←

Add	Item	Part No.	Part Description	Qty Used On Assembly
<a href="#">Add</a>	1	00-328634	Track Assy. (RH)	1
<a href="#">Add</a>	2	NS-015-01	Nut 1/4-20 Hex (SST)	8
<a href="#">Add</a>	3	WL-006-17	Lockwasher 1/4 Medium	8



BASE ASSEMBLY

Locate the part needed (Water Pressure Gauge) on the drawing

Placing the cursor on the number will display the Description of the Part

Click on the number pointing to the part

<b>Add</b>	15	00-329267	Retainer - Screw #10	AR
<b>Add</b>	16	00-475060	Hose 1/4 x 12 Pressure Gauge to Fill Valve	1
<b>Add</b>	17	00-528501	Clamp - Hose #4	1
<b>Add</b>	18	FP-088-30	Fitting - Hose Barb (LX30/40, LXG, & LXi Series)	1
<b>Add</b>	19	00-918429	Gauge - Water Pressure (LX30/40, LXG, LXi, & LXiG Series)	1
<b>Add</b>	20	00-528501	Clamp - Hose #4	1
<b>Add</b>	21	FP-088-29	Fitting - Hose 1/4 Barb x 1/8-27 NPTM	1
<b>Add</b>	22	SC-018-24	Mach. Screw 6-32 x 3/4 Phil. Pan Hd.	2
<b>Add</b>	23	00-918385	Block - Terminal (5 Pole) (Current Construction)	1
<b>Add</b>	24	00-918339	Bracket - Terminal Block (Current Construction)	1
<b>Add</b>	25	NS-031-50	Stop Nut 6-32 Hex (SST)	2
<b>Add</b>	26	NS-031-16	Stop Nut 10-24 Hex Elastic (SST)	2
<b>Add</b>	27	00-475299-00001	Connector Assy. (Previous Construction)	1
<b>Add</b>	28	00-473138	Bracket - Terminal Block (Previous Construction)	1
<b>Add</b>	29	00-241857	Foot - Leveling	4
<b>Add</b>	30	00-329284	Spacer - Leveling Foot (LX18 Series)	4

- *Selecting the part on the figure causes the part to be highlighted on the parts list*
- *Click on the Add button to add the part to the shopping cart*
- *You can add more parts or change the quantity of the parts already in the cart*
- *When finished, click on the Confirm Parts Selected and then on Print Parts List if you want to print*

### Parts Selected

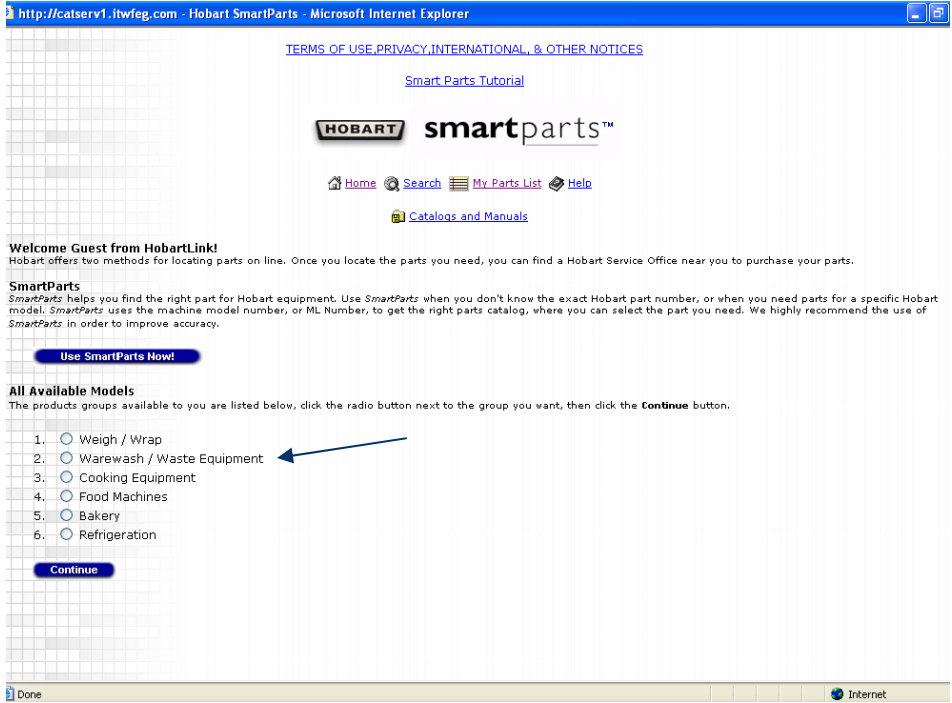
#### Items Listed for Guest

Add More Items From:

There is 1 item in your parts list:

Delete	Qty. Req.	Part No.	Part Description	Parts List
<input type="button" value="Delete"/>	<input type="text" value="1"/>	00-918429	Gauge - Water Pressure (LX30/40, LXG, LXi, & LXiG Series)	<a href="#">BASE ASSEMBLY</a>

Use SMARTPARTS Now



*This (again) is SmartParts home page*

For this example, the part needed is a Water Pressure Gauge used on the LX 30 Undercounter Dishwasher

*If the ML Number of the Equipment is not known, click on the Radio button to select Warewash / Waste Equipment*

*Then click on Continue*

*(Go to Section 1 if you do know the ML number of the Equipment)*

Section 2 – If Equipment ML Number is not known

## Products Available

### Warewash / Waste Equipment

Click the radio button next to the product you want, then click the **Continue** button.

**Continue**

**Go Back**

- 1.  Door Type Dishwasher
- 2.  Booster
- 3.  Conveyor Type Dishwasher (C-LINE)
- 4.  Flight Type Dishwasher
- 5.  Miscellaneous Warewash
- 6.  UnderCounter Dishwasher (indicated by a blue arrow)
- 7.  Waste Equipment

**Continue**

**Go Back**

*Click on the Radio button to select UnderCounter Dishwasher*

*Then click on Continue*

## Parts Catalogs

### UnderCounter Dishwasher

Click the radio button next to the catalog you want, then click the **Continue** button.

**Continue** **Go Back**

- LX Series Dishwashers (Includes ML numbers 104349, 104350, 104351, 104352, 104353, 104354, 104355, 104356, 110380, 110381, 130016, 130017, 130018, 130019)
- WM Series Dishwashers
- Dishwasher Motor Book (Includes the following Motor Spec /ML numbers - 9257, 6661, 8115, 17829, 18897, 18751, 18931, 18930, 18932, 31219, 31220, 31221, 18491, 17350, 9801, 18603)
- SR24 Series Dishwasher (SR24C - ML-130021, SR24H - ML-130022)
- Fast Food Warewashers

**Continue** **Go Back**

*Click on the Radio button to select LX Series Dishwashers*

*Then click on Continue*

## Assemblies Available

**LX Series Dishwashers (Includes ML numbers 104349, 104350, 104351, 104352, 104353, 104354, 104355, 104356, 110380, 110381, 130016, 130017, 130018, 130019)**

Click the radio button next to the assembly you want, then click the **Continue** button.

**Continue** **Go Back**

- BASE ASSEMBLY
- TANK ASSEMBLY
- DOOR ASSEMBLY
- ELECTRICAL COMPONENTS(LX SERIES)
- ELECTRICAL COMPONENTS (LXi SERIES)
- DISPLAY
- WASH AND RINSE ARM ASSEMBLY(lx30/40, lxx, lxi, & lxiig SERIES)(PREV. CONSTR.)
- WASH AND RINSE ARM ASSEMBLY(lx30/40, lxx, lxi, & lxiig SERIES)(CURRENT CONSTR.)
- WASH ARM ASSEMBLY(LX18 SERIES)
- WASH PIPE ASSEMBLY (PREVIOUS CONSTRUCTION)
- WASH PIPE ASSEMBLY (CURRENT CONSTRUCTION)

*The Water Pressure Gauge is on the Base Assembly*

*Select Base Assembly*

*Then click on Continue*

# Parts List

## BASE ASSEMBLY

Select an appropriate figure size

Change To:

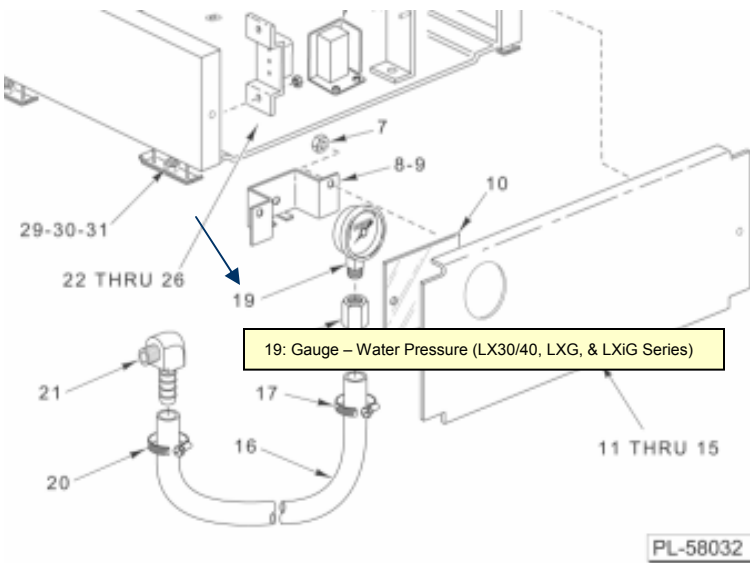
Different Assembly

Different Product

To add an item to your parts list, click the **Add** button next to the item. To see an exploded view, click on the view figure buttons.

View Figure: @ 25% @ 50% @ 75% @ 100% ←

Add	Item	Part No.	Part Description	Qty Used On Assembly
Add	1	00-328634	Track Assy. (RH)	1
Add	2	NS-015-01	Nut 1/4-20 Hex (SST)	8
Add	3	WL-006-17	Lockwasher 1/4 Medium	8



Locate the part needed (Water Pressure Gauge) on the drawing

Placing the cursor on the number will display the Description of the Part

Click on the number pointing to the part

## BASE ASSEMBLY

<b>Add</b>	15	00-329267	Retainer - Screw #10	AR
<b>Add</b>	16	00-475060	Hose 1/4 x 12 Pressure Gauge to Fill Valve	1
<b>Add</b>	17	00-528501	Clamp - Hose #4	1
<b>Add</b>	18	FP-088-30	Fitting - Hose Barb (LX30/40, LXG, & LXI Series)	1
<b>Add</b>	19	00-918429	Gauge - Water Pressure (LX30/40, LXG, LXI, & LXIG Series)	1
<b>Add</b>	20	00-528501	Clamp - Hose #4	1
<b>Add</b>	21	FP-088-29	Fitting - Hose 1/4 Barb x 1/8-27 NPTM	1
<b>Add</b>	22	SC-018-24	Mach. Screw 6-32 x 3/4 Phil. Pan Hd.	2
<b>Add</b>	23	00-918385	Block - Terminal (5 Pole) (Current Construction)	1
<b>Add</b>	24	00-918339	Bracket - Terminal Block (Current Construction)	1
<b>Add</b>	25	NS-031-50	Stop Nut 6-32 Hex (SST)	2
<b>Add</b>	26	NS-031-16	Stop Nut 10-24 Hex Elastic (SST)	2
<b>Add</b>	27	00-475299-00001	Connector Assy. (Previous Construction)	1
<b>Add</b>	28	00-473138	Bracket - Terminal Block (Previous Construction)	1
<b>Add</b>	29	00-241857	Foot - Leveling	4
<b>Add</b>	30	00-329284	Spacer - Leveling Foot (LX18 Series)	4

- *Selecting the part on the figure causes the part to be highlighted on the parts list*
- *Click on the Add button to add the part to the shopping cart*
- *You can add more parts or change the quantity of the parts already in the cart*
- *When finished, click on the Confirm Parts Selected and then on Print Parts List if you want to print*

## Parts Selected

### Items Listed for Guest

Add More Items From:

**Current Assembly**

**Different Assembly**

**Different Product**

There is 1 item in your parts list:

Delete	Qty. Req.	Part No.	Part Description	Parts List
<b>Delete</b>	<input type="text" value="1"/>	00-918429	Gauge - Water Pressure (LX30/40, LXG, LXI, & LXIG Series)	<a href="#">BASE ASSEMBLY</a>

**Update Quantities**

**Confirm Parts Selected**

Use **SMARTPARTS** Now



PRODUCT SERVICE DEPARTMENT

TROY, OH. 45374-0001

## RECOMMENDED SPARE PARTS LIST

### UW50 DISHWASHER (208/240 V 3 Phase)

Qty	Part Number	Description
3	271002-1	Solenoid Valve 3/4 (110-120 V)
3	118270	Service Kit - Vacuum Breaker
3	87713-41-12	Contactator - 3-Pole 40 Amp (115 V)
2	811830	Start - Switch
2	67500-120	O-Ring
2	271621	Probe & Switch Assy 4-Wire (Temp & Water Level)
2	122674	Float Assembly
2	271123	Protector - High Limit
1	475811	Temperature Control Board
1	812349-1	Heating Element Booster 240 V
1	812349-2	Heating Element Booster 208 V
1	328994	Sensor Probe Booster