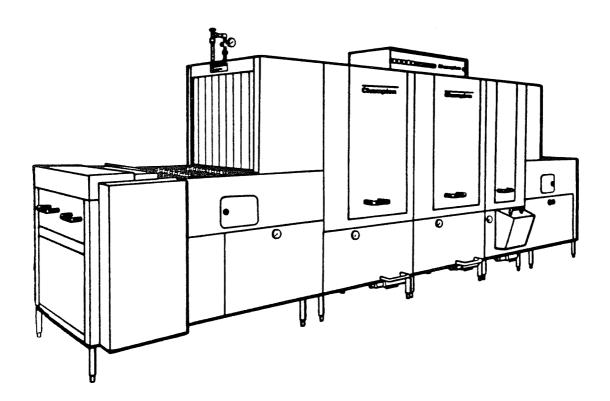
# Equipment Manual



## **UPRIGHT CONVEYOR MODEL UC-C & CW**

**PART NO. 110396** 

**MAY 1993** 

910/661-1556 Fax 910/661-1979



#### **Table of Contents**

General Introduction	3
Warranty	4
Engineering Data	5
Machine Installation	7
Operation	. 11
Maintenance	. 15
Wiring Schematics	. 26
Control Cabinet	. 29
Replacement Parts	31

		,
		(
		(

# Champion The Dishwashing Machine Specialists

#### **GENERAL INTRODUCTION**

This manual contains installation, operating, and maintenance instructions for the Champion Upright Conveyor Dishwasher. A Parts List with illustrations shows the basic machine with some variation between models.

Prior to shipment each Champion Dishwashing Machine is completely assembled, inspected and tested at the factory. It is then disassembled, to facilitate shipment, crated and delivered to the installation site.

When specified Champion will supervise and/or assist in reassembly and installation of shipped sections, ready for final utility connections.

Champion will not assume any responsibility or extra costs for reassembly in any areas where there are jurisdictional problems with local trades or unions.

Ordering parts: Parts must be ordered through a Champion authorized parts distributor and/or service agency. When ordering, give the model and serial number of the machine, the part number, brief description, and quantity. The serial number will be found on the nameplate located on the side of the control cabinet. We recommend that you fill in the spaces below and keep this information handy for quick reference.

Name of Champion Parts Distributor _	
Name of Champion Service Agency	
Machine Model	
Machine Serial Number	
Machine Voltage and Phase	

Note: When service is desired, be sure to specify: (1) Voltage, (2) Phase, (3) Model Number, and (4) Serial Number.



# LIMITED WARRANTY

Champion Industries, a Division of Automated Washing Systems, Inc. ("Champion Industries"), P. O. Box 4149. Winston-Salem, North Carolina 27105, warrants all new dishwashing machines of its manufacture bearing the name Champion and installed within the United States to be free from defects in material and workmanship for a period of one (1) year after the date of installation or fifteen (15) months from the date of shipment from the factory, whichever occurs first. Warranty registration card must be returned to Champion within ten (10) days after installation. If warranty registration card is not returned to Champion within this period, warranty will expire after one year from date of shipment from factory.

If a defect in workmanship or materials is found to exist within the warranty period set forth above. Champion Industries will repair the defect. The labor and work to be performed in connection with the warranty shall be done during regular working hours by a Champion Industries approved serviceman. Defective parts become the property of Champion Industries and parts replaced within the warranty period carry a warranty only until the end of the period. Replacement parts not supplied by Champion Industries will relieve Champion of all future liability and responsibility.

#### Not covered by the Warranty:

- A. Lighting of gas pilots or burners
- B Cleaning of gas lines
- C Replacement of fuses or resetting of overload breakers
- D. Adjustment of thermostats.
- E. Adjustment of clutches.
- F. Opening or closing of utility supply valves or switching of electrical supply current
- G. Cleaning of valves, strainers, screens, nozzles, or spray pipes
- H Performance of regular maintenance and cleaning as outlined in service manual
- Damages resulting from water conditions, accidents, alterations, improper use, abuse, tampering improper installation or failure to follow maintenance and operation procedures.

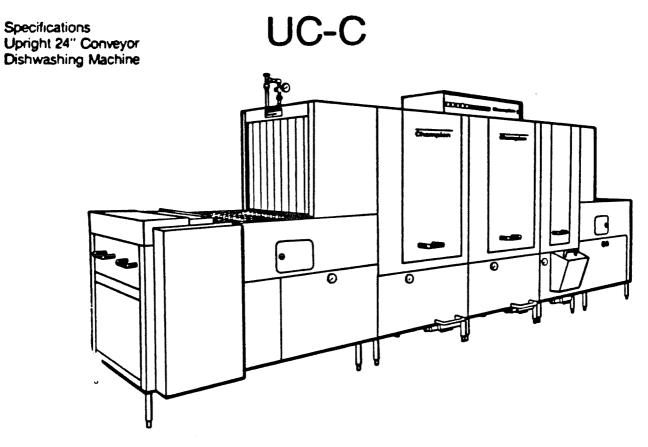
Examples of the aforementioned, but without limitations are: (1) Damage to exterior or interior finish as a result of the above (2) Use with utility service other than that designated on the rating plate. (3) Improper connection to utility service. (4) Inadequate or excessive water, gas and/or steam pressure. (5) Corrosion from chemicals dispensed in excess of recommended concentrations. (6) Failure of electrical components due to connection of chemical dispensing equipment installed by others. (7) Leaks or damage resulting from such leaks as made by installer, including those at machine table connection or by connection of chemical dispensing equipment installed by others. (8) Failure to comply with local building codes. (9) Damage caused by labor dispute.

THIS WARRANTY IS THE ONLY WARRANTY APPLICABLE TO CHAMPION DISHWASHING MACHINES AND IS EXPRESSLY IN LIEU OF ALL OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND ANY OTHER OBLIGATION ON THE PART OF CHAMPION INDUSTRIES. THE REMEDY CONTAINED IN THIS WARRANTY IS THE SOLE REMEDY FOR ANY DEFECT FOUND TO EXIST IN A CHAMPION DISHWASHING MACHINE AND ALL OTHER REMEDIES ARE EXCLUDED, INCLUDING ANY LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Champion Industries does not authorize any other person, including persons who deal in Champion dishwashing machines to change this warranty or create any other obligation in connection with Champion Dishwashing Machines



# **ENGINEERING DATA**



MACHINE SHOWN WITH OPTIONAL EXTENDED TANKS (PRE-WASH AND WASH).

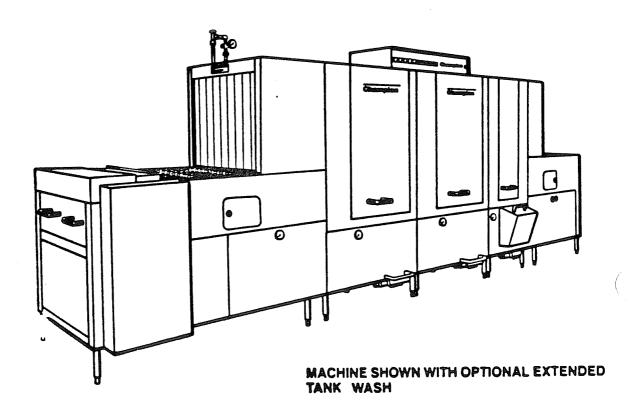
Specifications	UC-C6-31	UC-C8-3T		UC-C6-31	UC-C8-31
Capacities			Heating		
Dishes per hour	7.500	13,800	Tank heat — Electric KW	40 KW	40 KW
Conveyor speed (ft./min.)	6.5	9.5	Steam — Lbs. per hour required at 15 PSI flow pressure	200	200
Motor Horsepower	•	9.5	Electric Booster — KW required for 40° rise	45	45
Drive Prewash-2'	1/2 1	1/2	Electric Booster — KW required for 70° nae	63	ಟ
Prewash-4' Wash	3 3 3	3	Steam booster — ibs. per hour required for 40° rise	180	180
Rinse	3	3	Steam booster — ibs. per hour required for 70° nee	200	200
Water Consumption			Venting		
Consumption per hour — 100% Maximum drain flow (GPM)	336 25	336 25	Minimum CFM required — load end Minimum CFM required — unload	300	300
			end Strong Strong	800	800
Temperatures			Dimensions		
Wash temperature	160	160	Conveyor Width (inches)	24'.	24'5
Rinse	170	170	Height to remove doors	104	104
Water miet	140	140	Maximum vertical clearance	20	20
Final rinse	180	180	Shipping weight	200 Lb /Ft	<b>20</b> 0 Lb Ft



# **ENGINEERING DATA**

Specifications Upright 30" Conveyor Dishwashing Machine

# **UC-CW**

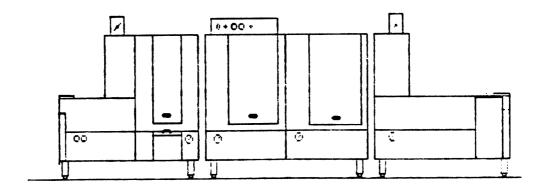


Specifications	NC-CA6-31	NC-CA8-31	1	NC-CA6-31	NC-CA8-31
Capacities			Heating		
Dishes per hour	8,500	15,000	Tank heat - Electric KW	50 KW	50 KW
Conveyor speed (ft./min.)	6.5	9.5	Steam — Lbs. per hour required at 1 PSI flow pressure	15 250	250
Motor Horsepower Drive	1/2	1/2	Electric Booster — KW required for 40° rise	54	54
Prewash-2'	1	1	Electric Booster — KW required for 70° rise	72	72
Wash Rinsa	3 3 3	3 3 3	Steam booster — ibs per hour required for 40° rise	225	225
र भाग्या	•	•	Steam booster — tbs. per hour required for 70° rise	260	260
Water Consumption			<del>Ven</del> ting		
Consumption per hour — 100%  Maximum drain flow (GPM)	426 30	42 <del>6</del> 30	Minimum CFM required — load end	400	400
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Minimum CFM required — unload end	900	900
Temperatures			Dimensions		(
Wash temperature	160	160	Conveyor Width (inches)	29	29
Rinse	170	170	Height to remove doors	109	109
Water inlet	140	140	Maximum vertical clearance	25	25 _
Final rinse	180	180	Shipping weight	250 Lb Ft	250 Lb Ft



#### **UNCRATING AND LOCATING**

- Remove and discard the plastic covering. Inspect the machine for "Hidden Damage." If damage is found, report it to the carrier within 15 days.
- 2. Inside the machine, taped to the conveyor belt you will find an envelope containing the Equipment Manual, side panels, chain guard and vent stacks. A bag of wire nuts, bolts, screws, washers, nuts and hose clamps will be found in the prewash tank. Roll the conveyor belf sections back in their respective hoods to gain access to the hood flanges.
- 3. Move sections of the machine ON SKIDS as close as possible to its permanent position. DO NOT LIFT ON ANY OF THE PIPING UNDER THE BASE.
- 4. Remove the wireway covers on the rear of the machine at each adjoining section and lay the wire bundles outside. Open all the doors and rotate any track baffles into place.
- Remove skids and move each section into exact position for re-assembly and installation. Verify location of each section with floor plan and utility connections. DO NOT BOLT THE SECTIONS TOGETHER AT THIS POINT.



#### MACHINE INSTALLATION



#### RE-ASSEMBLY

- 1. Starting with the load section of the machine, level the section side—to-side and front-to-back with a "Bubble" level. The stainless steel feet are adjustable. Run a bead of silastic all the way around the face of the black hood gasket.
- 2. Repeat this process with each section of the machine. Slide the hose clamps on the drain and cross flow connectors.
- 3. Bolt the sections together using the 5/16 x 3/4 bolts, lockwashers and nuts from the bag. When pulling the sections together, check the alignment of tracks, drain, cross flow and wireway.
- 4. The 1/2 x 1 bolts, lockwashers and nuts can now be installed in the base frame.
- 5. Feed the wire bundles thru the wireway and connect by number. White wires are not numbered but should be connected to each other. Replace the wireway covers.
- 6. Tighten the hose clamps on the drain and cross flow.
- 7. Connect the copper water lines at the rear of each section. CAUTION, DO NOT CROSS THREAD CONNECTORS.
- 8. Starting at the unload end of the machine, reconnect the conveyor belt by pulling each section thru the machine to the unload. After the belt is completely connected, adjust belt tension at the load end of the machine by turning the take-ups clockwise (evenly) until the belt can only be lifted off the track 1 1/2 to 2 inches. Leave the conveyor shut-off in the retracted position (OFF).
- 9. Check each tank and screen supports, curtain placement. Close doors, pump petcocks and drain valves. Install vent stacks with damper control set at 40% at the load and 60% at the unload



#### INSTALLATION

#### 1. PLUMBING:

Connect all supply connections for water, steam and drain lines at points indicated on the PLUMBING AND ELECTRICAL CONNECTIONS DRAWING. Tags are wired to these connections. Shut-off valves and P.R.V., should be installed in all supply lines close to the dishwasher. Good plumbing practice is to increase pipe sizes to and from the machinery by one pipe size.

#### 2. ELECTRICAL;

Check the Data plate on the machine for the proper voltage and amps required before connection. Connect the incoming service(s) at the point(s) on the PLUMBING AND ELECTRICAL CONNECTIONS DRAWING from FUSED DISCONNECT SWITCH(ES). The dishwasher was phased at the factory. Re-phase at the control cabinet, not at the motors.

#### 3. DETERGENT:

Consult the local yellow pages for a qualified detergent/chemical supplier. Champion's Detergent Manual (110098) is available on request, or contact the factory for assistance. Labeled connection points are provided in the control cabinet (120V). A removable plug is provided in the final rinse pipe on top of the unload hood.

#### 4. HVAC;

Stainless steel watertight ducting from above the machine should be installed INSIDE the 4x24" vent stacks. There should be a minimum of 10 to 12 air changes per hour of kitchen air. Exhaust air should not be vented into a wall, ceiling, or concealed space of a building.

#### 5. OPTIONS AVAILABLE;

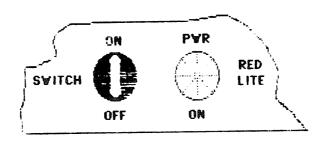
Options are covered in the OPTIONS MANUAL (108833), and may be of use if the machine is to be moved to a different location, or was ordered with special features.

#### **MACHINE INSTALLATION**

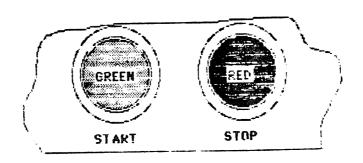


#### PRE-START UP

- 1. Check the interior of the dishwasher and remove and foreign material.
- 2. Check the exterior to make sure the conveyor belt is free of tape and debris.
- 3. Open the water and/or steam valve(s) on the machine. Check for leaks.
- 4. Turn on the main power to the machine at the disconnect or breaker box.
- 5. Flip the power switch to "ON" (control cabinet). The RED power "ON" light should be lit and the machine should begin to fill with water.



- 6. Allow the machine to completely fill and cut itself off. Check for leaks.
- 7. Check the tank thermometers for correct temperature reading.
- 8. Reset the conveyor shut-off at the unload end to the "ON" position.
- 9. Press the GREEN start button and observe the rotation direction of the drive chain. Rephase the power at the control cabinet if necessary.



#### **MACHINE INSTALLATION**



- 10. Tighten the clutch nut on the drive sprocket until the conveyor begins to move. With one hand on the conveyor belt, pull against the direction of travel. Continue tightening the nut until you cannot hold the belt back. Check the belt for "dog tracking" adjust at the loat take-ups as necessary.
- 11. Place a dish or tray in the moving belt at the load end. The pumps should activate as the article moves into the tunnel. Observe the Final Rinse thermometer on top of the unload tunnel (180°-200°F.) The pumps and final rinse should shut down before the article reaches the conveyor shut-off.
- 12. Press the RED stop button; the conveyor should stop. Flip the power switch OFF; the RED light should go out. Open all the drain valves and check that the drain can handle the flow.
- 13. Peel off all protective film and install side panels and chain guard.

#### **OPERATION**

- 1. Close the drain handle on each tank located under the base. Straight up is the closed position.
- 2. Check the interior of the machine before closing all doors.
- 3. Flip the power switch to "ON", the "RED" light should glow; if it does not press the circuit breaker "IN."
- 4. Press the "START" button. If the conveyor does not start, check the unload shut-off shelf.
- 5. Scrap/Bus articles before loading on the belt. For best results, articles should be staggered across the belt.
- 6. As the article enters the load end, the electric eye is tripped and starts two timers. The first timer starts the pumps. The second timer delays the final rinse until the article is just about to enter the rinse stage.



Each article passing the eye, recycles the timer to "START", therefore the last article to enter the machine allows the timer to count down, and shut-down the pumps and final rinse before it reaches the shut-off shelf.

- 7. The machine may be stopped anytime, by pressing the "STOP" button, but remember the timers will not reset, the machine will start up where it left off.
- 8. At the end of the day/run, press the "STOP" button, turn the power switch "OFF," open the doors, open each drain valve (handle horizontal) and allow the machine to fully drain, and remove the screens for cleaning. Remove the upper and lower spray arms for cleaning (they are interchangeable). When replacing the arms, make sure the gasket is still on the socket end of the arm.

Purge the machine with fresh water and wipe away any residue.

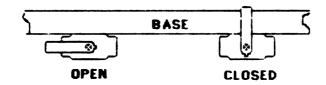
DO NOT LEAVE WATER IN THE TANKS OVERNIGHT



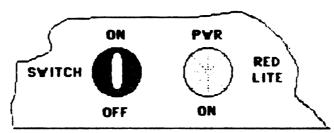
# DISHMACHINE OPERATION

#### START

1. CLOSE DRAIN VALVES UNDER EACH TANK

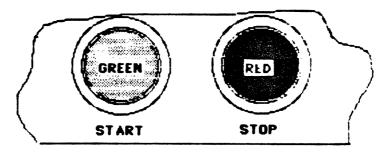


- 2. CLOSE ALL DOORS
- 3. TURN POWER SWITCH "ON"



NOTE; TANKS WILL FILL AUTOMATICALLY
TANK HEAT & BOOSTER ARE ACTIVE

4. PRESS "GREEN" START BUTTON



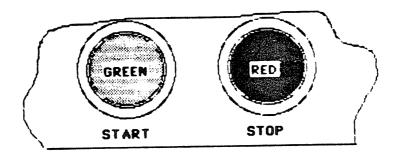
NOTE; UNLOAD SHUT-OFF SHELF MUST BE ARMED



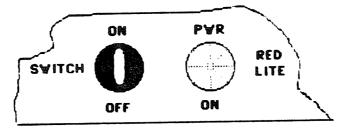
# <u>OPERATION</u>

#### SHUT-DOWN

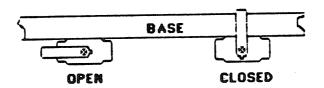
1. PRESS "RED" STOP BUTTON



2. TURN POWER SWITCH "OFF"



3. OPEN DRAIN VALVES UNDER EACH TANK



- 4. OPEN ALL DOORS
- 5. CLEAN AND FLUSH SCREENS & TANKS



#### TROUBLE SHOOTING

CONDITION	CAUSE	SOLUTION
Insufficient pump spray	Clogged pump intake	1. Clean
pressure	2. Clogged pump discharge	2. Clean
<b>J. C. C. C.</b>	3. Clogged spray pipe	3. Clean
	4. Scrap Screen	4. Must be kept clean and in place
	5. Water level in tank	5. Check drain and overflow tube
	6. Voltage to machine low or	6. Contact your service agent or
	circuit to machine broken	electrician for repair
	<ol><li>Incorrect pump motor rotation</li></ol>	<ol><li>Reverse wires, L1 and L2, on the control cabinet.</li></ol>
2. Insufficient final rinse	Improper water line size	Have plumber change to proper
or no final rinse	(undersized)	line size
	2. Faulty pressure reducing valve	2. Clean or replace
	3. Improper reducing valve	3. Set to 22 PSI flow pressure
	4. Check for worn rinse nozzles. Tends to decrease rinse pressure	4. Replace rinse nozzles
	5. Clogged rinse nozzle and/or pipe	5. Clean
	Check for faulty vacuum     breaker	Install vacuum breaker repair kit
	<ol><li>Check solenoid valve for proper operation</li></ol>	7. Install repair kit or coil
3. Machine won't fill	Main water supply is turned off	1. Turn on house water supply
	<ol><li>Drain/overflow tube is not in place and seated</li></ol>	2. Place and seat drain tube
	3. Faulty fill valve	3. Contact your service agency
	4. Fill switch not calling for water	4. Contact your service agency
4. Wash tank temperature not up to specifications when machine is in use	Incoming water temperature at machine too low must be 140° F.	Raise temperature of incoming water to 140° F. at machine
	2. Check thermoswitch setting and operation	2. Recalibrate or replace
	3. Check thermometer for proper calibration	3. Replace
	4. Heat contactor	4. Replace
	5. Heater coils for soil/lime	5. Clean and de-lime
	<b>b</b> uild-up	



5.	Poor washing results		Detergent dispenser not operating properly	1.	Contact detergent supplier
			Wash arm clogged	2	Clean
		_	Improperly scrapped dishes	3.	Check scrapping
			Ware being improperly placed	4.	A. Use proper rack
			• • • • • • • • • • • • • • • • • • • •		B. Do not overload racks
8	Poor drying results	1.	Excessive humidity	1.	Check exhaust fans
<u> </u>			Improperly stacked dishes after washing	2	Check and correct if needed
			Calibration or drying agent	3.	Contact supplier
			Rinse temperature not specifications	4.	Check arm, raise temperature to spec. at machine
7.	Machine won't start		Start switch faulty		Replace
		2	Pressure switch not activated	2	Drain machine and re-fill

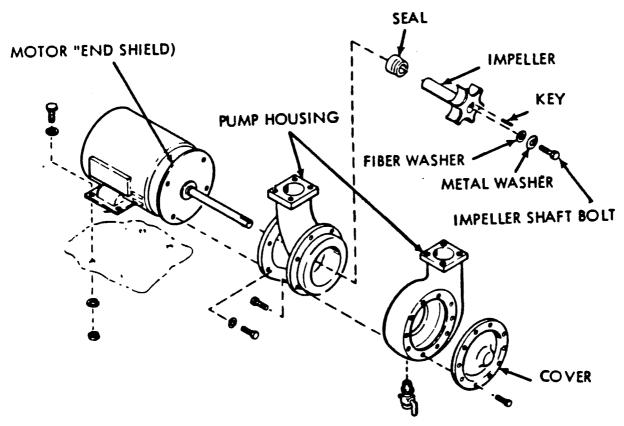
#### REGULAR MAINTENANCE

Every Month:	Check the drain valve for leakage (drop in water level in still tank of over 1 to 2 inches per hour).
	Electric Heat
	Clean accumulated scale and coating off heating elements.
	Check and clean switch
	Check operation of thermostat
Every Three (3) Months:	Grease or oil all shafts with fittings except pump motor with good grade of ball bearing grease or high quality lubricating oil.
Every Six (6) Months:	Grease motors with fittings (if no fittings, see Special Maintenance) with good grade of ball bearing grease or according to label on each
	NOTE: DO NOT over lubricate.



#### PUMP/MOTOR

The integral motor/pump assembly was developed for maximum performance, adherence to the latest sanitation requirements and sound engineering design. It is a low pressure, high volume pump. The electric pump motor is a 3 phase, multi-volt (208/230/460), 1750 RPM, fan cooled unit with a stainless steel shaft.



To replace the motor, it is easier to remove the motor/pump assembly from the base of the machine. Always replace the seal in the pump housing when changing motors. Before reinstallation, "BUMP" the motor in both directions to insure smoothness of operation.

To change the seal in the pump housing, the motor/pump assembly can be left in place on the base. Remove the 8 bolts holding the access plate to the housing and remove to expose the impeller. Remove the bolt and washers holding the impeller. It may be necessary to use a \*5 wheel puller to remove the impeller which is keyed on. Removing the impeller will expose the seal which can be pulled off the shaft.



Inspect the seal cavity and shaft for pits or high spots. A #600 emery paper or chrocus cloth will smoot out most pits.

Slide the new seal on first. Prewash pumps do not require an "O" ring (the seal slides over the impeller). Slide the impeller and key onto the shaft. To get the correct seal compression from the impeller, some pumps used a spacer #104618 between the impeller and the fiber washer on the end of the shaft. Install the washers and bolt and tighten clockwise. (DO NOT OVERTIGHTEN). Reinstall the cover, "O" ring, 8 sealing bolts and washers.

Keep the pump motor clean and lubricate according to the Maintenance Schedule. If the motor is not equipped with grease fittings, remove the plug (screw) on top front and rear of motor and install fittings.

When replacing motors, specify which side of the motor case the junction box is located so that the original wiring will reach the connections.

#### **AUTO FILL & L.W.C.O.**

Each tank has two floats switches (24VAC), mounted, one above the other. Starting with the tank empty, the switches will be in the 'NO' position (Normally Open) which calls for tank fill and no tank heat. The rinse tank is filled thru the final rinse spray system. As the float switches rise to the 'NC' position (Normally Closed) tank heat will be activated and fill will stop.

#### **TANK HEAT**

ELECTRIC: is 3 phase power, using 5 & 10KW heater elements that are coated with a special alloy against detergent. The circuit is protected by a thermostat, low-water-cut-off switch in the tank and fused.

STEAM COIL: is 1 phase power, to a steam solenoid valve in a closed loop coil heater exchanger using a diaphragm trap. The circuit is protected by a thermostat and low-water-cut-off switch in the tank.

STEAM INJECTORS: is 1 phase power, to a steam solenoid valve injecting steam thru two mufflers. A one-way check valve prevents back-siphoning should the valve fail. The circuit is protected by a thermostat and low-water-cut-ff switch in the tank.

#### **THERMOSTATS**

Thermostats for prewash are wired NORMALL OPEN. Thermostats for wash and rinse are wired NORMALLY CLOSED. Replacement thermostats will have to be adjusted where applicable.



#### **BOOSTER**

Although boosters are options on this machine, most machines will have boosters installed because of the large volume of 180°F. water requirements for Final Rinse.

ELECTRIC: is 3 phase power, using 9KW elements (3 to a can) or 6 elements for 54KW. Each can is protected by a thermostat and fused. Separate power is required.

STEAM: is 1 phase power, to a steam solenoid valve in a closed loop heat exchanger using a diaphragm trap. The circuit is protected by a thermostat and a relief valve.

#### **SOLENOID VALVES**

Two different valves are used on these machines; Hot Water and Steam (120VAC). Hot Water valves are 'J&E' with bonnets that unscrew. Steam valves are 'ASCO' with 4 screw pattern on the body. In all cases these valves must be installed with the coil above the valve body. The diaphragm is replaceable as is the coil (Specify type and size when ordering.)

#### **VACUUM BREAKER**

Located on top of the machine providing one-way fill/rinse fresh water. The diaphragm is replaceable by removing the bell shaped top and unscrewing the body top. Diaphragm kits are available by size and manufacturer.

#### **CONVEYOR SHUT-OFF**

The auto conveyor shut-off shelf switch located behind the chain guard on the unload, is a magnetic proximity switch (24VAC) which is "NO" (Normally Open) but is kept closed by the presence of a magnet. The magnet is attached to the rotating shelf behind the hood. As the article on the conveyor pushes the shelf toward the unload, the switch opens and turns the drive off. This system is in addition to the two pushbutton Start/Stop stations at the load end and in the control cabinet on top of the machine.

#### DRIVE/REDUCER

The conveyor drive is a 1/2 HP, C-FACE, TEFC, 3 phase 11V motor bolted directly to the gear reducer.

(NOTE: CHECK THE MOTOR PLATE FOR RPM. SOME WERE 1140RPM AND SOME WERE 1750RPM. — CONTACT FACTORY).



#### **IDLE PUMP/RINSE SAVER**

This machine has an electric eye system installed at the entrance tunnel on the load end. It consists of a solid state (120VAC) emitter and receiver which produce an infrared beam across the conveyor belt. As articles pass thru the beam, the beam is momentarily cut starting the two timers in the control cabinet. Each successive article will reset the timers.

The Idle Pump timer is set to allow articles to pass thru the prewash, wash, rinse and unload tunnel before the pumps shut-off.

The Rinse timer allows the article to pass thru the prewash, wash and rinse tank before activating the Final Rinse which uses 180°F. fresh water, thereby conserving the use of this water until needed.

The last article placed on the conveyor belt, allows both timers to "time-out" and shut-off both pumps and final rinse, before the article reaches the conveyor shut-off shelf.

The timers have been preset at the factory and should not be readjusted. When replacing a timer, the new timer should be adjusted to the same setting as the old one.

#### MANIFOLD RESTRICTORS

A restrictor plate (P/N 307059) with a 1" orifice is installed on the upper manifold spray system of the C-3 section. Restrictor plates (P/N 307060) with a 7/8" orifice are installed on the B2 and C4 sections. If lightweight plasticware is to be washed directly in the conveyor belt, this restrictor can be removed to decrease the bottom spray.

#### **CURTAINS**

Long curtains are used only at the load and unload end of the tunnel. Short curtains are used to separate tanks tunnels. There are more curtains hooks than curtains, this is by design. The rinse tank curtains will actually be mounted at the end of the wash tunnel (not in the rinse tunnel).

#### **CONVEYOR BELT**

Conveyor belt parts are individually replaceable or by "ROD SECTION." Each rod section would be fully assembled and ready to splice into the belt as a replacement section (2 3/4" O.C.). Rod sections, generally require 4 to 5 weeks delivery and are shipped in 10 foot lengths or less.

CONVEYOR REPLACEMENT PARTS ARE TO BE ORDERED BY SERIAL # ONLY.

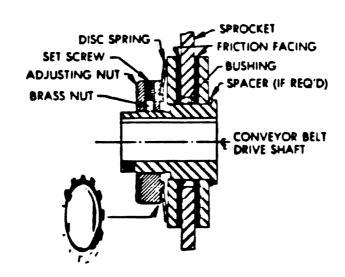


#### DRIVE CLUTCH

The simple design of this torque limiter allows for infinite adjustment. The inner and outer friction pads squeeze the drive sprocket connecting the drive shaft. If the belt becomes jammed and exceeds the friction setting, the clutch will slip, and continue slipping until the problem is corrected. Replacement friction pads are available as part #102315. The disc spring, under the adjusting nut, is available as part #107700.

DO NOT ALLOW GREASE OR OIL ON THE FRICTION PADS.

DO NOT OVERTIGHTEN THE ADJUSTING NUT TO THE POINT THAT THE DISC SPRING IS FLATTENED.

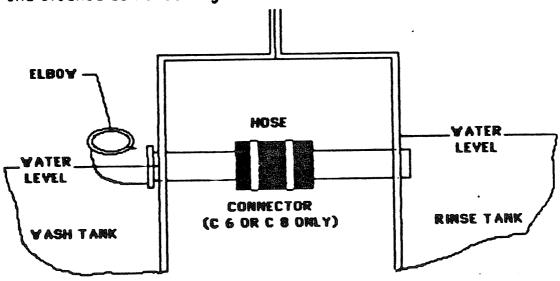




#### CROSS FLOW ELBOW

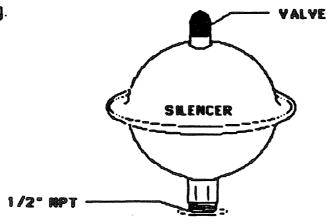
A one inch stainless steel elbow installed inside the rear of the wash tank is factory set. This retricts the gravity cross flow of rinse water to a maximum of 2 GPM into the wash tank. The open face of the elbow should appear in the 11 o'clock position looking through the front door.

The cross flow tube and elbow should be inspected every month and cleaned as necessary. DO NOT CHANGE THE SETTING.



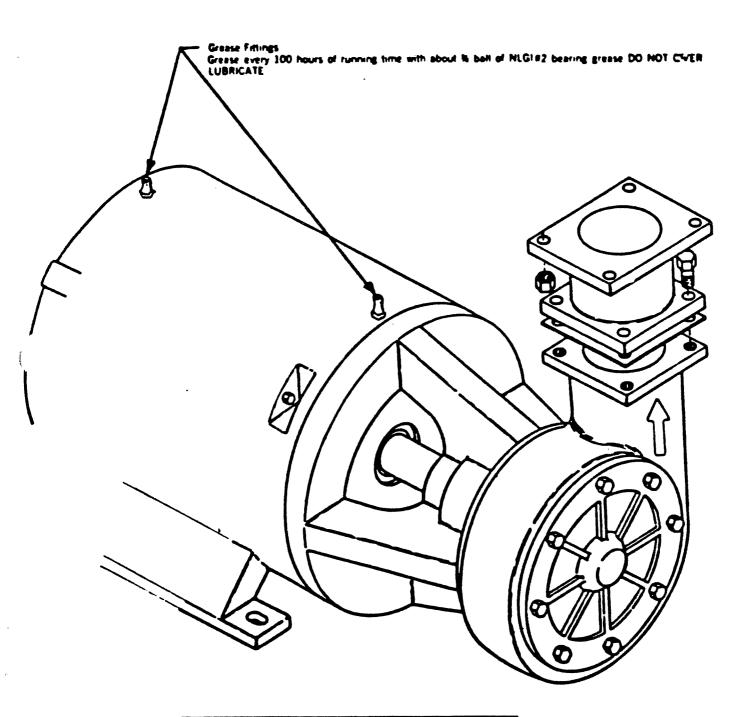
#### SILENCER

Whenever a booster heater is installed in the final rinse line a water hammer arrestor shall be installed between the booster outlet and the final rinse inlet valve. The arrestor is factory precharged at 22 P.S.I. and can handle a maximum shock pressure of 200 P.S.I.. A 'shrader' valve is provided for checking and recharging.





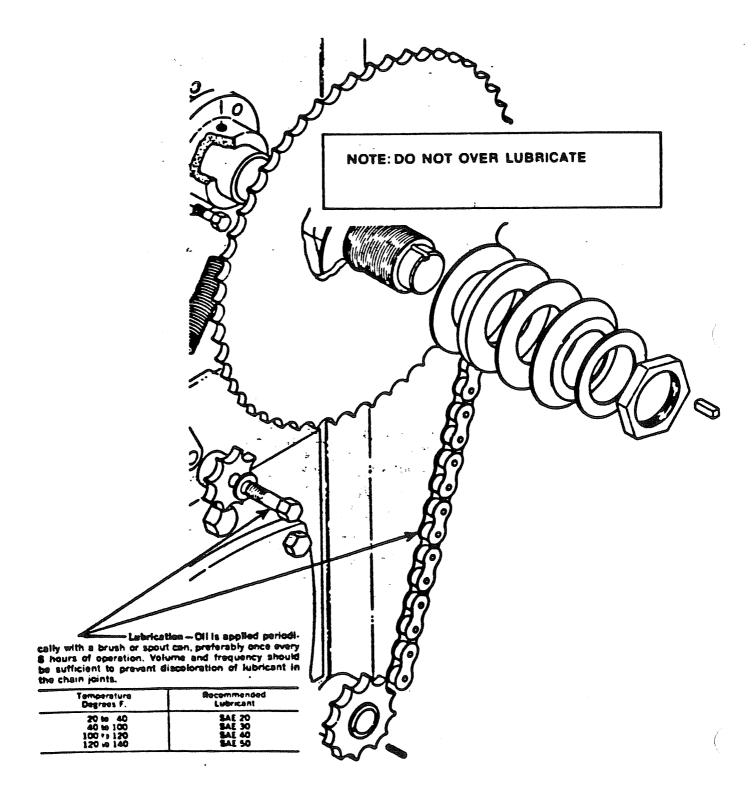
## Lubrication



NOTE: DO NOT OVER LUBRICATE — one or two pumps of the greese gun are sufficient.



### Lubrication





#### **ELECTRICAL SYSTEMS**

The upright conveyor machine is tailored to the customer's building requirements which consider voltage, number of motors, type of tank heat and options, therefore, no two wiring schematics will be the same. For this reason, each machine is shipped with its own custom control cabinet and wiring diagram (by serial #).

The basic machine requires 3 phase power from the building. The control cabinet operates on 120VAC with some switches using 24VAC.

From a service standpoint, a good electrical technician can trouble-shoot the electrical system on the upright conveyor machine with nothing more than a good quality VOA meter.

Abbreviations, symbols and numbers are used on the schematics to aid the technician in tracing a circuit.

#### DO NOT USE MACHINE AS GROUND DURING VOLTAGE CHECKS!

For the above reasons, only sample material lists and schematics have been shown in this manual and are to be used only as a guide for application —NOT FOR ORDERING REPLACEMENT PARTS!

FLECTRICAL REPLACEMENT PARTS ARE TO BE ORDERED BY SERIAL # ONLY!

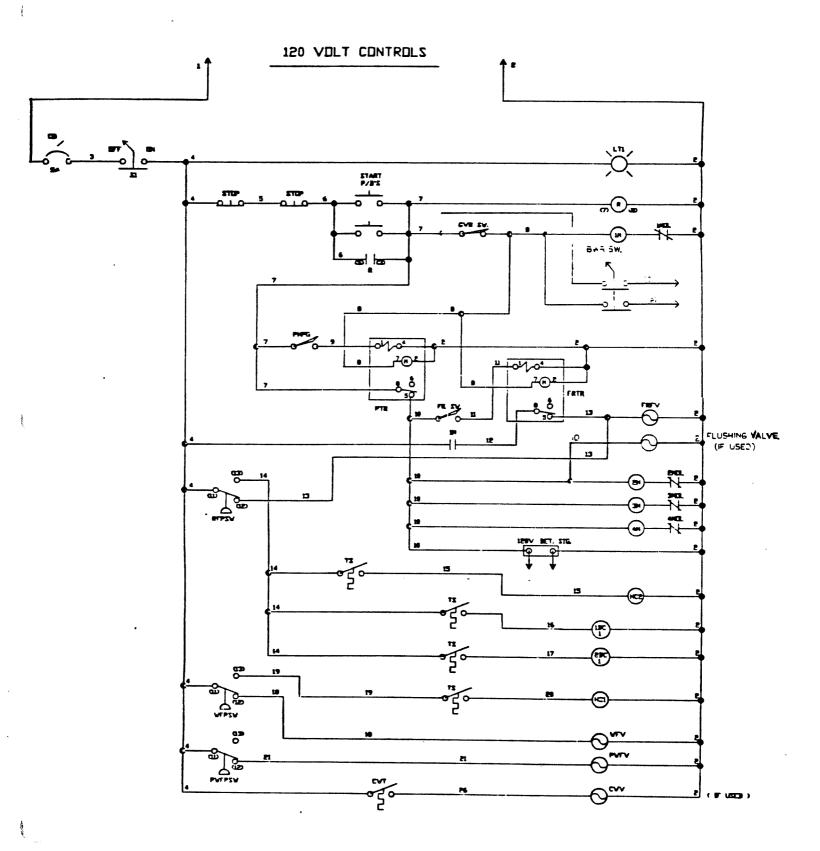
It would be helpful if a location and description of the part, or its function, accompany the request for replacement.

As new electrical components become available they are incorporated on the machines during production rather than waiting for a new model year.



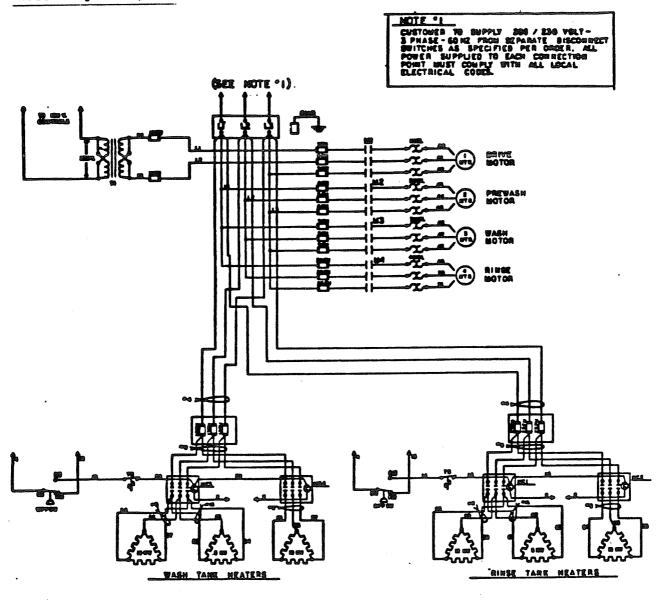
CWT	PREWASH COLD WATER THERMOSTAT
CMA.	
24.25,26FU	RINSE MOTOR FUSES
ZMOL	PREWASH MOTOR OVERLOAD
M2 .	PREWASH CONTACTOR
PWFV	PREWASH FILL VALVE
PWFPSW	PREWASH FILL PRESSURE SWITCH
21,22,23FU	RINSE HEAT FUSES
HC3, HC4	
18, 19, 20 FU	
15, 16, 17 FU	
12, B, HFU	
10, IIFU	TRANSFORMER (PRI.) FUSES
7,8,9 FU	WASH MOTOR FUSES
4,5,6 FU	PREWASH MOTOR FUSES
1,2,3 FU	DRIVE MOTOR FUSES
. Tl · · ·	CONTROL TRANSFORMER
3MOL_	WASH MOTOR OVERLOAD
M3	WASH CONTACTOR
4MOL	RINSE MOTOR OVERLOAD
W4	.RINSE CONTACTOR
IMOL	DRIVE MOTOR OVERLOAD
MI	DRIVE CONTACTOR
WFPSW	WASH FILL PRESSURE SWITCH
WFV	WASH FILL VALVE
2BC1, 2BC2	
IBCI, IBC2	BOOSTER NO. 1 CONTACTORS
HCI, HC2	RINSE THEAT CONTACTORS
TS	THERMOSTAT
RFPSW	RINSE FILL PRESSURE SWITCH
FRFV	FINAL RINSE AND FILL VALVE
FR. SW.	FINAL RINSE SWITCH (IF UBED)
FRTR	FINAL RINSE TIMER
PTR	PUMPS TIMER
PMPG	PUMPS GATE
BWR. SW.	BD-IV BLOWER SWITCH CONVEYOR SWITCH
CYR SW	
IT R	CONTROL POWER ON LAMP HOLD-IN RELAY
SI	CONTROL POWER SWITCH
CB	CIRCUIT BREAKER
LEGEND	DESCRIPTION
PEACIAR !	DESCRIPTION

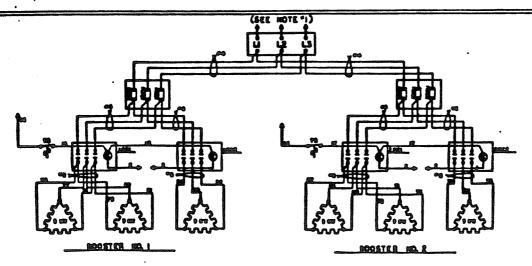




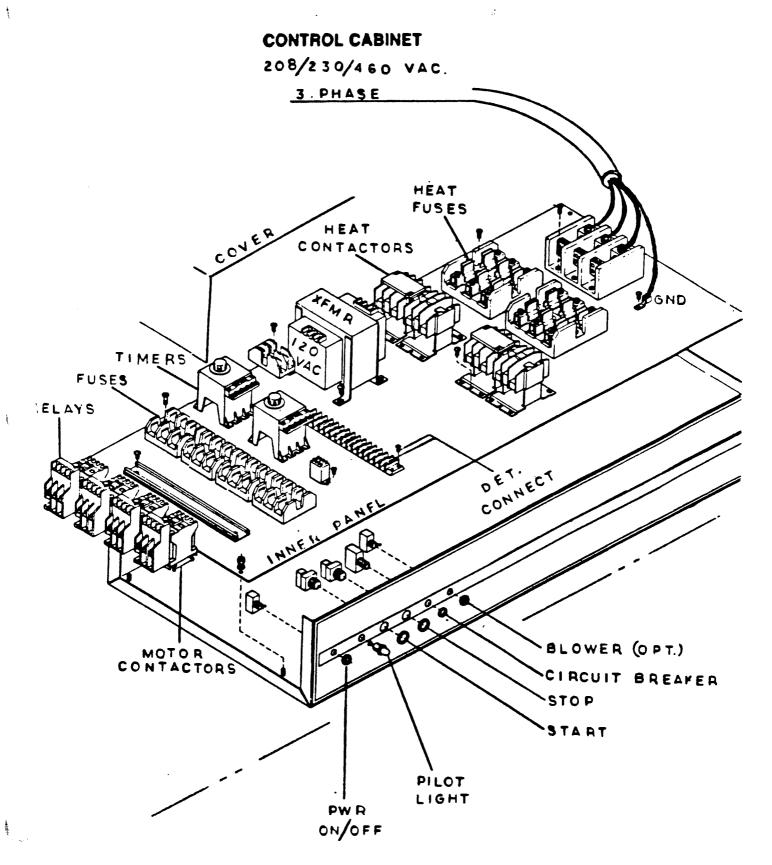
#### **WIRING SCHEMATICS**

# Champion The Dishwashing Machine Specialists









Champion
The Dishwashing Machine Specialists REPLACEMENT PARTS **© COOL 3** (1) XFMR 8 8 8 日何 000 000 000 0 0 COSSECTION COSSECTION SACHINE 

30

#### **REPLACEMENT PARTS**



#### **CONTROL CABINET**

PART NUMBER 752016	ITEM NO	DESCRIPTION CONT.CAB.UC-CW8-3T 208 STM	QTY/PER
<b>D</b> 751976		ELECT.SCHEMATIC UC-3T	.0
100845		PLUG KNOCK-OUT 1/2IN KP500	1.
108717		LABEL, ELECT LOAD UC-CW-3T	1.
700809		DATA, ELECT CON CAB UC-CW-3	0.0
106976	3	LABEL 2CR	1.
106977	4	LABEL 3CR	1.
106978	5	LABEL 4CR	<u> </u>
100089	15	FUSE BLOCK 250V 30AMP 3POL	4.
108122	16	CONTACTOR LC1-D123	4.
108131	17	TRACK AM1-EA200	.833
108395	18	TRANSFORMER B500M15 NAMEPLATE GROUND	1.
104873	19	WIRE LUG SLU 35	1:
·103309 ·108615	20 21	LABEL MACH ELEC CONN	1:
108498	22	LABEL AMP MAX W/BORDER	5.
107005	24	FUSE BLOCK 30 AMP250V 2POL	1.
109338	25	TIMER, 0-6MIN, OFF DELAY	2.
109339	26	TIMER, SOCKET FOR PLUG-IN	2.
106010	29	TERMINAL BLOCK H-3	1.
108505	30	FUSE 3 AMP TR-3	2.
100907	31	FUSE 5 AMP CRN-R5	<u>3.</u>
100924	33	FUSE 20 AMP CRN-R20	3. 9. 2. 2.
107351	34	SWITCH TOGGLE 2GL51-73	2.
107349	35	PUSHBUTTON OPERATOR	<u>2.</u>
107350	36	CONTACT BLK(NO) F50 OR FAO	
107515	37	CONTACT BLOCK (NC) F40	1 -
106995	38	CIRCUIT BREAKER 375-205-1	1.
108370	39	WASHER LOCK #U109 CARLING	3. 1.
101128	40	PILOT LIGHT 120V RED	
107352	42	RELAY HL2-TM-115V AROMAT RELAY, ARAMAT 24VAC 2PDT	
109737	43 45	OVERLOAD RELAY LR1D09308	5. 1.
108116 108120	47	OVERLOAD RELAY LRID12316	3.
108607	51	TERMINAL BLOCK 18PT #2018	2.
107102	52 52	LABEL 120V DET SUPPLY CONN	1.
109142	55 55	CONTROL CAB NAME PLATE	1.
107099	56	LABEL 1MOL	1.
107100	57	LABEL 2MOL	1.
107101	58	LABEL 3MOL	1.
107144	59	LABEL 4MOL	1.
107097	60	LABEL "TR"	1.
107098	60	LABEL XFMR	1.
106980	61	LABEL IM	1.
106981	62	LABEL 2M	4.
<b>10</b> 7096	63	LABEL 3M	1.
107143	64	LABEL 4M	<u>_</u>
305811	65	UC-CW CON CAB 38X17 1/2 X7	<u> </u>
<b>30</b> 5813	67	UC-CW CN CB PN 38X17 1/2X7	
108129	70	TRANSFORMER 575-908 120V	<u> </u>
104858	80	NAMEPLATE AUTO-MANUAL	1.
107198	81	SWITCH TOGGLE HL 254-73	1.





#### CONTROL CABINET

PART NUMBER 752001	ITEM NO	DESCRIPTION CONT.CAB.UC-CW8-3T 208 ELE	QTY/PER
D752001		ELECT.SCHEMATIC UC-3T-208	.0
100845		PLUG KNOCK-OUT 1/2IN KP500	1.
107097		LABEL "TR"	1.
108721		LABEL, ELECT LOAD UC-C-3T	1.
109396		FITTING-ELECTKNOCKOUT 1IN.	2.
700810		DATA, ELECT CON CAB UC-C-3T	0.0
100089	15	FUSE BLOCK 250V 30AMP 3POL	4.
108122	16	CONTACTOR LC1-D123	4.
108131	17	TRACK AM1-EA200	.833 1.
108395	18	TRANSFORMER B500M15	1.
104873	19	NAMEPLATE GROUND WIRE LUG SLU 70	<u>+·</u>
103310	20	LABEL MACH ELEC CONN	1: 1:
108615	21 22	LABEL AMP MAX W/BORDER	7.
108498	23	FUSE BLOCK USD #T-30100-3	2.
108424	24	FUSE BLOCK 30 AMP250V 2POL	1.
107005 109338	25	TIMER, 0-6MIN, OFF DELAY	2.
109339	26	TIMER, SOCKET FOR PLUG-IN	7. 2. 1. 2. 2. 3.
105514	27	CONTACTOR 3POLE 50AMP REST	3.
103210	28	CONTACTOR 3POLE 60AMP REST	1. 1.
107125	29	TERMINAL BLOCK 16322-3	1.
108505	30	FUSE 3 AMP TR-3	2. 3. 3.
100907	31	FUSE 5 AMP CRN-R5	3.
100912	32	FUSE 10 AMP CRN-R10	<u> </u>
100924	33	FUSE 20 AMP CRN-R20	6.
107351	34	SWITCH TOGGLE 2GL51-73	1.
107349	35	PUSHBUTTON OPERATOR	2.
107350	36	CONTACT BLK(NO)F50 OR FAO	1.
107515	37	CONTACT BLOCK (NC) F40	1.
106995	38	CIRCUIT BREAKER 375-205-1	1.
108370	39	WASHER LOCK #U109 CARLING	2. 1.
101128	40	PILOT LIGHT 120V RED	1:
107352	42	RELAY HL2-TM-115V AROMAT OVERLOAD RELAY LR1D09308	<del>i</del> :
108116	45	OVERLOAD RELAY LR1D09308 OVERLOAD RELAY LR1D09310	1.
108121	46 47	OVERLOAD RELAY LR1D12316	2.
108120		FUSE 70 AMP JJN-70	3.
180060	<u>48</u> 50	FUSE 90 AMP JJN-90	3.
108448 108607	51	TERMINAL BLOCK 18PT #4373	2.
107102	52	LABEL 120V DET SUPPLY CONN	1.
107102	55 55	CONTROL CAB NAME PLATE	1.
107099	56	LABEL 1MOL	1.
107100	57	LABEL 2MOL	1.
107101	58	LABEL 3MOL	1.
107144	59	LABEL 4MOL	1.
107098	60	LABEL XFMR	1.
106980	61	LABEL IM	1.
106981	62	LABEL 2M	
107096	63	LABEL 3M	1.
107143	64	LABEL 4M	<u> </u>
<b>305</b> 808	65	UC CON CAB 48 X 17 1/2 X 7	1.





#### CONTROL CABINET

PART NUMBER 751928	ITEM NO	DESCRIPTION CONT.CAB UC-CW8-3T ELE.480	QTY/PER
D751928		ELECT.SCHEMATIC UC-CW8-3T	0.0
100845		PLUG KNOCK-OUT 1/2IN KP500	1.
108717		LABEL, ELECT LOAD UC-CW-3T	1.
109396		FITTING-ELECTKNOCKOUT 11N.	2.
700809		DATA, ELECT CON CAB UC-CW-3	0.0
106925	<u> 15</u>	FUSE BLOCK	4.
108122	16	CONTACTOR LC1-D123	4.
108131	17	TRACK AM1-EA200	.833
108396	18	TRANSFORMER B500PU15	<u>l.</u>
104873	19	NAMEPLATE GROUND	1.
103310	20	WIRE LUG SLU 70	1.
108615	21	LABEL MACH ELEC CONN	1.
108498	22	LABEL AMP MAX W/BORDER FUSE BLOCK	<u>5.</u> 1.
106402 109338	24	TIMER, 0-6MIN, OFF DELAY	
109338	25 26	TIMER, U-SMIN, OFF DELAY TIMER, SOCKET FOR PLUG-IN	2. 2.
105514	27	CONTACTOR 3POLE 50AMP REST	2.
100292	29	TERMINAL BLOCK, BUCH 824	3.
100906	30	FUSE 5 AMP CTK-R5	5.
105265	32	FUSE KTK-R6 (KTK-6)	3.
100917	33	FUSE 15 AMP CTK-R15	6.
107351	34	SWITCH TOGGLE 2GL51-73	2.
107349	35	PUSHBUTTON OPERATOR	2.
107350	36	CONTACT BLK(NO)F50 OR FAO	1.
107515	37	CONTACT BLOCK (NC) F40	1.
106995	38	CIRCUIT BREAKER 375-205-1	1.
108370	39	WASHER LOCK #U109 CARLING	2.
101128	40	PILOT LIGHT 120V RED	1.
106975	41	LABEL 1CR	1.
107352	42	RELAY HL2-TM-115V AROMAT	1.
108116	45	OVERLOAD RELAY LR1D09308	1.
108117	46	OVERLOAD RELAY LR1D09307	1.
108121	47	OVERLOAD RELAY LR1D09310	2.
108607	<u>51</u>	TERMINAL BLOCK 18PT #2018	1.
107102	<u>52</u>	LABEL 120V DET SUPPLY CONN	1. 1.
109142 107099	55 56	CONTROL CAB NAME PLATE LABEL 1MOL	1.
107099	57	LABEL 2MOL	1:
107101	58	LABEL 3MOL	1.
107144	59	LABEL 4MOL	<u> </u>
107098	60	LABEL XFMR	<u> </u>
106980	61	LABEL IM	1.
106981	62	LABEL 2M	1.
107096	63	LABEL 3M	1.
107143	64	LABEL 4M	1.
305811	65	UC-CW CON CAB 38X17 1/2 X7	1.
305813	67	UC-CW CN CB PN 38X17 1/2X7	1.
100291	70	TERMINAL BLOCK-END 830	1.
107283	71	CHANNEL MOUNTING #60 6 FOO	.25



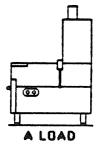


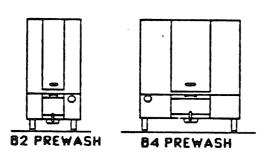
#### MAIN ASSEMBLY

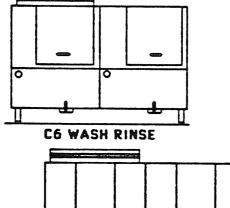
#### **UPRIGHT CONVEYOR SECTIONAL CONSTRUCTION**

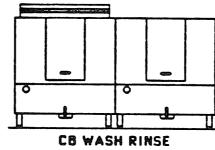
#### **GENERAL INFORMATION**

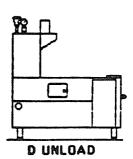
Champion Model UC (Upright Conveyor) Dishwashing Machines are comprised of modular sections designed to provide maximum space, labor and production efficiency. The UC is available in 3 variations of conveyor widths. The suffix C in the model number denotes 24" wide conveyor belt and CW denotes 29¼" wide conveyor belt. Champion's new UC, Model W-6, denotes a 60" wide conveyor belt.





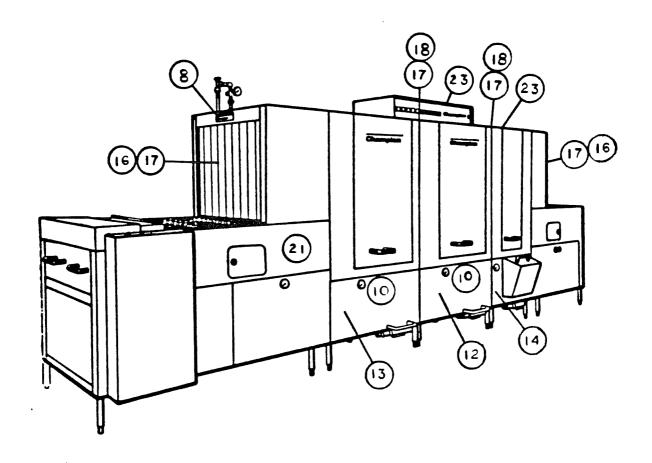






(LEFT TO RIGHT SHOWN)





FOLLOWING IS THE PARTS LIST FOR COMMON PARTS OF THE MACHINE. SPACE PREVENTS ILLUSTRATING ALL COMMON PARTS ON THE ABOVE DIAGRAM

#### REPLACEMENT PARTS

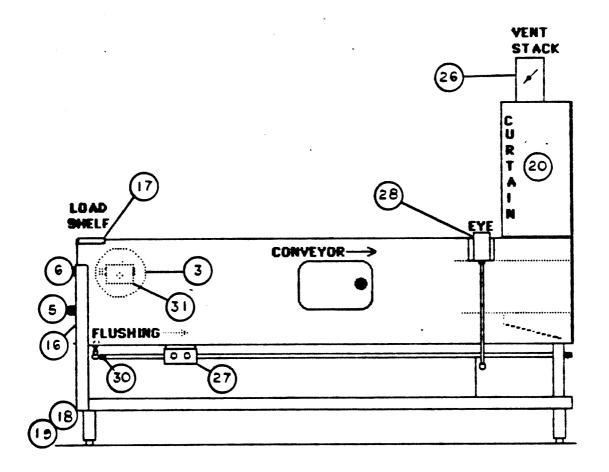
# Champion The Dishwashing Machine Specialists

PART NUMBER	ITEM NO	DESCRIPTION	QTY/PER
451288		ASSY INSTALL 3T B2-C6 UCCW	•
***			•
B924-4	4	TROUGH ASSY	4.
100154	3	NUT PLAIN 5/16-18	24.
100512	1	ELBOW 1" 90 SST FRN	1.
104639	19	GASKET 3SQX1/16TK1 3/4HOLE	8.
105472	2	BOLT 5/16-18X 1 1/4 HEX HD	24.
105991	5	CLAMP HOSE 58-75	4.
107456	6	UNION 1/2C X 1/2C #633	8.
107903	7	O-RING	2.
108570	16	CURTAIN 25 X 32 ROD TYPE	2. 2. 2.
108571	18	CURTAIN 19 X 32 ROD TYPE	2.
108642	17	ROD CURTAIN 5/16 X 33 5/8	4.
109158	8	NAMEPLATE CHAMPION	2.
109683	9	FLANGE (PLASTIC) COMENDA	2.
202458	10	HOSE 1 7/8 X 18	2.
305840	1 3	OVERFLOW 9 1/2 INCH	1. 2.
306240	11	OUTLET CROSS FLOW WELDMENT	2.
306598	15	BRCKT HANGR FILL PIPING UC	4.
307460	20	BAFFLE PW/W UC-CW	2.
308321	12	OVERFLOW 9IN	1.
308322	14	OVERFLOW 7 3/4IN	1.
309343	21	BAFFLE UCCW RINSE/UNLOAD	1.
403565	22	KIT-COMPRESS FITTINGS UC3T	1.
600755	23	PIPING FILL UC NI-PLATED	2.

PART NUMBER	ITEM NO	DESCRIPTION	QTY/PER
451289		ASSY INSTALL 3T B2-C6 UCC	
	•	BIDOU 18 AA CCM FDN	1
100512		ELBOW 1" 90 SST FRN	<u></u>
105991	5	CLAMP HOSE 58-75	4.
107456	6	UNION 1/2C X 1/2C #633	8.
107903	7	O-RING	2.
109158	8	NAMEPLATE CHAMPION	2,
109683	9	FLANGE (PLASTIC) COMENDA	8. 2. 2. 2. 2.
202458	10	HOSE 1 7/8 X 18	2.
306240	11.	OUTLET CROSS FLOW WELDMENT	2. 4.
306598	15	BRCKT HANGR FILL PIPING UC	4.
307461	20	BAFFLE PW/W UC-C	2.
309342	21	BAFFLE UCC RINSE/UNLOAD	1.
403565	22	KIT-COMPRESS FITTINGS UC3T	1.
600755	23	PIPING FILL UC NI-PLATED	2.
105472	2	BOLT 5/16-18X 1 1/4 HEX HD	24.
100154	3	NUT PLAIN 5/16-18	24.
B924-4	4	TROUGH ASSY	4. 1.
308321	12	OVERFLOW 9IN	1.
305840	13	OVERFLOW 9 1/2 INCH	1.
308322	14	OVERFLOW 7 3/4IN	1.
108572	16	CURTAIN 20 X 26 ROD TYPE	2.
108641	17	ROD CURTAIN 5/16 X 28 3/8	4.
108573	18	CURTAIN 14 X 26 ROD TYPE	2.
104639	19	GASKET 3SQX1/16TK1 3/4HOLE	8.
	***		



# LOAD SECTION



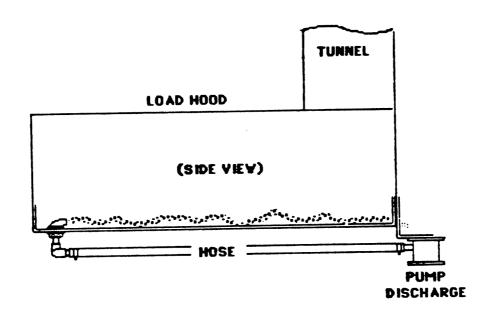


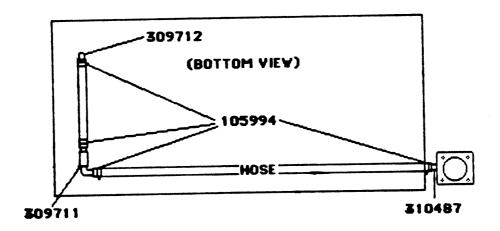


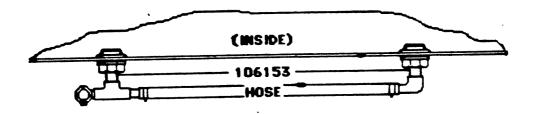
PART NUMBER 403915	item no	DESCRIPTION COMMON PARTS LOAD UCCW NG	QTY/PER
104713		COLLAR 1 INCH SST	4.
107305	2	KEY 1/4 X 1/4 X 1 1/2	3.
108434	3	SPROCKET CONVEYOR	3.
108869	4	SHAFT IDLE 1 X 33 5/8 UCCW	1.
108966	5	HANDLE DOOR	2.
109029	6	PLUG PLASTIC DP-1500	2.
109871	7	SCREW-SET 3/8-16UNCX1/2SOC	2.
309362	8	BRACKET TRACK UC NG L/UL	2.
309368	9	ANGLE TRACK CROSS UCCW NG	1.
309370	10	BRACKET Z TRACK UC NG L/UL	2.
309376	<u> </u>	ANGLE CROSS UCCW NG L/UL	1.
309386	12	TRACK TAKE-UP BEARING UCNG	4.
309387	13	BASE SUPPORT WLDMT UC NG	1.
309390	14	BASE DECK WLDMT UCCW NG	1.
309391	15	PANEL SUPPORT END UCCW NG	1.
309393	16	DOOR ACCESS END UCCW NG	1.
309394	17	SHELF LOAD WLDMT UCCW NG	1.
309400	18	STANCHION LOAD RH UC NG	1.
309401	19	STANCHION LOAD LH UC NG	1.
309423	20	10" CANOPY WELDMENT UCCW	1.
309727	. 2 1	PANEL FRONT PERI A3 UC NG	1.
309754	2 2	TRACK DUMMY WLDMT LH UC	1.
309755	23	TRACK DUMMY WLDMT RH UC	1.
310259	2 4	BRACKET, DRAIN SUPPORT N.G.	1.
310584	2 5	BASE DECK WELD UCCW NG	1.
401486	26	VENT STACK 4 X 24	1.
403287	27	STATION START/STOP LOAD IN	1.
403335	28	ELECTRIC EYE BANNER INSTAL	1.
403476	29	CONV SHUT OFF-ELECTRIC EYE	1.
403910	30	FLUSHING NOZZLE SYSTEM-UC	1.
403980	3 1	ASSY TAKE-UP UC NG	2.
404570	32	DRAIN ASSY, UNLOAD UC NG	1.



# LOAD FLUSHING SYSTEM

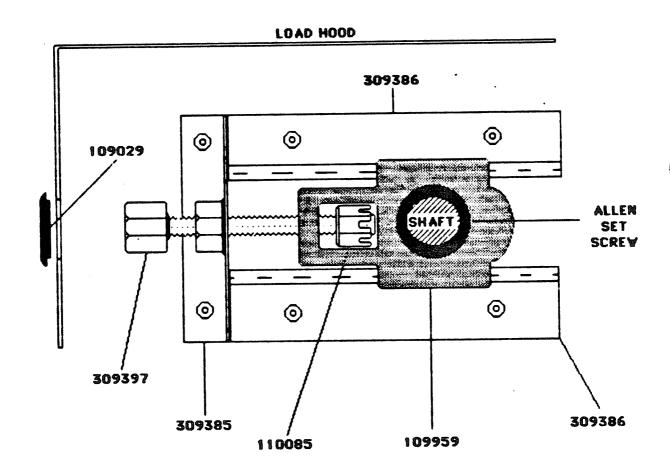








### <u>LOAD</u> TAKE-UP ASSY.

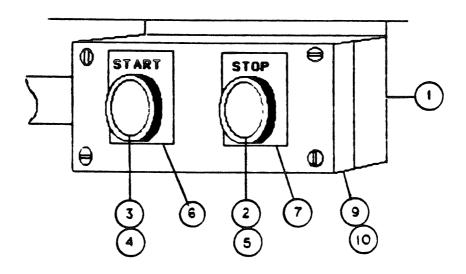






PART NUMBER 403916	ITEM NO	DESCRIPTION COMMON PARTS LOAD UCC NG	QTY/PER
	•	COLLAR 1 INCH SST	4.
104713	<u>'</u>	KEY 1/4 X 1/4 X 1 1/2	3.
107305	3	SPROCKET CONVEYOR	3.
108434	4	SHAFT IDLE 1 X 28 7/16 UCC	1.
108955 108966	5	HANDLE DOOR	2.
109029	6	PLUG PLASTIC DP-1500	2.
109029	7	SCREW-SET 3/8-16UNCX1/2SOC	2.
309362	8	BRACKET TRACK UC NG L/UL	2. 2.
309369	9	ANGLE TRACK CROSS UCC NG	1.
309370	10	BRACKET Z TRACK UC NG L/UL	2.
309377	11	ANGLE CROSS UCC NG L/UL	1.
309386	12	TRACK TAKE-UP BEARING UCNG	4.
309400	18	STANCHION LOAD RH UC NG	1.
309401	1 2	STANCHION LOAD LH UC NG	1.
309727	21	PANEL FRONT PERI A3 UC NG	1.
309754	22	TRACK DUMMY WLDMT LH UC	1.
309755	23	TRACK DUMMY WLDMT RH UC	1.
309792	20	WELDMENT, 10" CANOPY UC-C	1.
309801	13	BASE SUPPORT WLDMT UCC NG	1.
309802	14	BASE DECK WLDMT UCC NG	<u>l.</u>
309803	16	PANEL SUPPORT END UCC NG	1.
309804	16	DOOR ACCESS END UCC NG	1.
310060	17	SHELF LOAD WLDMT UCC NG	1.
310259	24	BRACKET, DRAIN SUPPORT N.G.	1.
310583	26	BASE DECK WELD UCC NG	1.
403287	27	STATION START/STOP LOAD IN	1.
403335	28	ELECTRIC EYE BANNER INSTAL	1.
403910	30	FLUSHING NOZZLE SYSTEM-UC	1.
403980	3 1	ASSY TAKE-UP UC NG	2.
404570	32	DRAIN ASSY, UNLOAD UC NG	1.

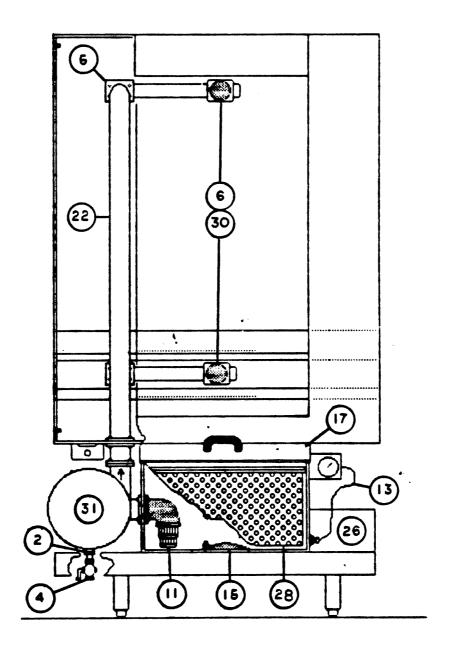




PART NUMBER 403287	ITEM NO	DESCRIPTION STATION START/STOP LOAD IN	QTY/PER
B1885-1	1	BRACKET STATION	l.
100304	2	CONTACT BLOCK (N.C.) STOP	<u> </u>
100305	3	CONTACT BLK 52BAK START	1,
100316	4	PUSHBUTTON 52PA8A3 START	1.
100317	5	PUSHBUTTON 52PA8A2 STOP	1.
102290	6	NAMEPLATE START	1.
102291	7	NAMEPLATE STOP	1.
106867	8	ENCLOSURE E2PBSS	1.
107349	5	PUSHBUTTON OPERATOR	2.
107350	3	CONTACT BLK(NO)F50 OR FAO	1.
107431	9	GASKET SEAL 1/16 X 3/4X120	1.417
107515	2	CONTACT BLOCK (NC) F40	l.
107617	7	NAMEPLATE STOP	1.
107618	6	NAMEPLATE START	1.
307831	10	START/STOP STA COVER UC	<u>l.</u>
307833		START/STOP STAT WELDMT UC	1.



### PREWASH B2







PART NUMBER 404418	ITEM NO	DESCRIPTION COMMON PARTS B2 RH UCC NG	QTY/PER
			•
100538	. 1	ELBOW 1/2" X 45 SST	1.
102390	2	BUSH REDUC 1/2 X 3/8 BRASS	1.
102467	3	NIPPLE 3/8 X 2 BRASS	1.
104614	4	COCK SHUT-OFF 3/8	1.
104638	5	GASKET 3 1/2SQX1/8TK 2HOLE	4.
108416	6	COUPLER QUICK FEMALE	2. 2.
108417	7	NUT PLUG	2.
108418	8	PLUG 1/2	2.
108578	9	BRACKET PERIMETER PANEL	4. 1.
108608	10	ELBOW SUCTION STRAINER	1.
108609	11	STRAINER SUCTION	<u> </u>
109034	12	WASHER 13/16X1 1/16 FIBER	4.
109813	13	THERMOMETER 4'LEAD COMENDA	1.
110066	14	SWITCH, FLT 4400 W/2 GASKET	2.
304816	16	STRAINER 6 INCH DIA	1.
305694	16	UC STANDPIPE BRKT	1.
305706	17	COVER REFUSE BUCKET UC-CW	1.
305709	18	SUPPORT REAR SCREEN B2 UC	1.
305763	19	SCREEN ASSY	1.
305781	20	UC-C 4FT W/BCK SIDE SCR LR	1.
305782	21	UC-C 4FT W/BCK SIDE SCR RL	1.
305869	22	STANDPIPE WELDMENT UC-C	1.
308507	23	PLATE BLOCK-OFF UC	1. 2.
308813	24	TRACK WELD B2 UCC-CW NG	2.
309344	25	BRACKET GUAGE UC B2 N.G.	1.
309612	26	WELDMENT, UC 24" WIREWAY	1.
309624	2 6 2 7 2 8	COVER,UC 24"WIREWAY	1.
310068	28	BASKET WELD., UC-C REFUSE	1.
310691	29	COVER WELD, FLOAT SWITCH	1.
401511	30	SPRAYPIPE 20 3/4 UC-C	2.
403567	3	PUMP ASSY 1HP 3PH RH PREWA	1.

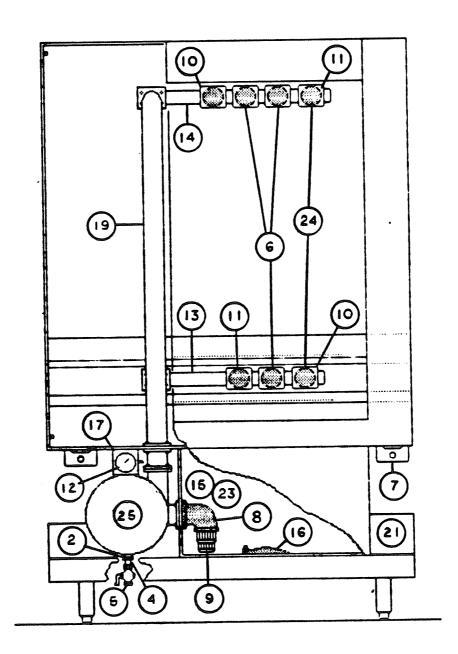




PART NUMBER 404419	ITEM NO	DESCRIPTION COMMON PARTS B2 RH UCCW NG	QTY/PER
404419		COMMON PARTS B2 RH UCCW NG	
300520	•	WI DOW 1/2H W AS COM	9
100538 102390		ELBOW 1/2" X 45 SST BUSH REDUC 1/2 X 3/8 BRASS	<u> </u>
102732	2 3	NIPPLE 3/8 X 4 BRASS	1:
104614	4	COCK SHUT-OFF 3/8	<u> </u>
104638	6	GASKET 3 1/2SQX1/8TK 2HOLE	<u>+.</u>
106839		FLANGE 2 7/8 X 2 7/8	
108416	6	COUPLER QUICK FEMALE	
108417	6 7	NUT PLUG	<u>5.</u>
108418	8	PLUG 1/2	2
108578	9	BRACKET PERIMETER PANEL	4. 1. 2. 2. 2. 3.
108608	10	ELBOW SUCTION STRAINER	1.
108609	ii	STRAINER SUCTION	<u> </u>
109034	12	WASHER 13/16X1 1/16 FIBER	4.
109813	13	THERMOMETER 4'LEAD COMENDA	<u>4.</u> 1.
110066	14	SWITCH, FLT 4400 W/2 GASKET	2.
304816	15	STRAINER 6 INCH DIA	1.
305693	22	STANDPIPE WELDMENT UC-CW	1.
305694	16	UC STANDPIPE BRKT	1.
305705	19	SCREEN WELD B2 UC-CW	1.
305706	17	COVER REFUSE BUCKET UC-CW	1.
305709	18	SUPPORT REAR SCREEN B2 UC	1.
308507	23	PLATE BLOCK-OFF UC	1. 2.
308813	24	TRACK WELD B2 UCC-CW NG	2.
309344	25	BRACKET GUAGE UC B2 N.G.	1. 1. 1.
309612	26	WELDMENT, UC 24" WIREWAY	1.
309624	27	COVER,UC 24"WIREWAY	1.
309669	9	BRACKET, B2 PERI. PANEL	1.
310068	28	BASKET WELD., UC-C REFUSE	1.
310691	29	COVER WELD, FLOAT SWITCH	1.
401512	30	SPRAYPIPE 26 INCH UC-CW	2.
403567	31	PUMP ASSY 1HP 3PH RH PREWA	1.



## WASH/RINSE C3



#### **REPLACEMENT PARTS**

# Champion The Dishwashing Machine Specialists

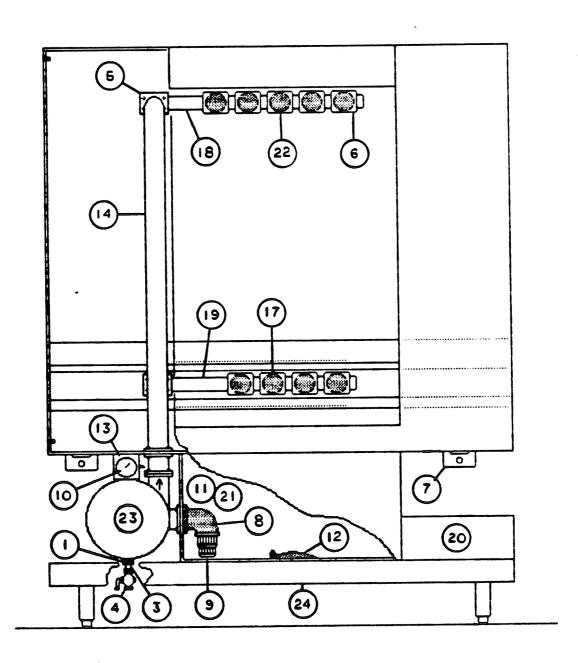
PART NUMBER	ITEM NO	DESCRIPTION	QTY/PER
404432		COMMON PARTS C3 UCC NG	
100538		ELBOW 1/2" X 45 SST	9
102390	2	BUSH REDUC 1/2 X 3/8 BRASS	1. 1.
102438	3	ELBOW STREET 1/2 90 BRASS	<u> </u>
102467	4	NIPPLE 3/8 X 2 BRASS	1.
104614	5	COCK SHUT-OFF 3/8	1.
108416	6	COUPLER QUICK FEMALE	1. 3.
108578	<del></del>	BRACKET PERIMETER PANEL	4.
108608	8	ELBOW SUCTION STRAINER	1:
108609	9	STRAINER SUCTION	
108846	10	COUPLER QUICK FEMALE	1. 2. 2. 1.
108847	i i	COUPLER QUICK FEMALE	<del>``</del>
109813	12	THERMOMETER 4'LEAD COMENDA	<del></del>
109868	13	MANIFOLD LOWER C3 UCC NG	
109869	14	MANIFOLD UPPER C3 UCC NG	
110066	15	SWITCH, FLT 4400 W/2 GASKET	1. 2.
304816	16	STRAINER 6 INCH DIA	1.
305246	17	BRACKET GAUGE U-LD	1:
305694	18	UC STANDPIPE BRKT	1:
305869	19	STANDPIPE WELDMENT UC-C	<u> </u>
308812	20	TRACK WELD C3 UCC-CW NG	2.
309614	21	WELDMENT, UC 36"WIREWAY	1.
309669	2 2	BRACKET, B2 PERI. PANEL	1.
310691	2 3	COVER WELD, FLOAT SWITCH	1.
401511	24	SPRAYPIPE 20 3/4 UC-C	7.
403863	25	PUMP ASSY 3HP 3PH UC C3	1

PART NUMBER 404433	ITEM NO	DESCRIPTION COMMON PARTS C3 UCCW NG	QTY/PER
100538	1	ELBOW 1/2" X 45 SST	1.
102390	2	BUSH REDUC 1/2 X 3/8 BRASS	1.
102438	3	ELBOW STREET 1/2 90 BRASS	1.
102467	4	NIPPLE 3/8 X 2 BRASS	1.
104614	5	COCK SHUT-OFF 3/8	1.
108416	6	COUPLER QUICK FEMALE	3.
108578	7	BRACKET PERIMETER PANEL	4,
108608	8	ELBOW SUCTION STRAINER	1.
108609	9	STRAINER SUCTION	1.
108846	10	COUPLER QUICK FEMALE	2.
108847	11	COUPLER QUICK FEMALE	2,
109806	13	MANIFOLD LOWER C3 UCCW NG	1.
109808	14	MANIFOLD UPPER C3 UCCW NG	1.
109813	12	THERMOMETER 4'LEAD COMENDA	1.
110066	15	SWITCH, FLT 4400 W/2 GASKET	2.
304816	16	STRAINER 6 INCH DIA	1.
305246	17	BRACKET GAUGE U-LD	1.
<u><b>3</b>05693</u>	19	STANDPIPE WELDMENT UC-CW	i.
305694	18	UC STANDPIPE BRKT	1.
308812	20	TRACK WELD C3 UCC-CW NG	2,
309614	21	WELDMENT, UC 36"WIREWAY	1:
309669	22	BRACKET, B2 PERI. PANEL	1.
310691	23	COVER WELD, FLOAT SWITCH	1.
401512	24	SPRAYPIPE 26 INCH UC-CW	7,
403863	25	PUMP ASSY 3HP 3PH UC C3	1.



# WASH/RINSE

<u>C4</u>







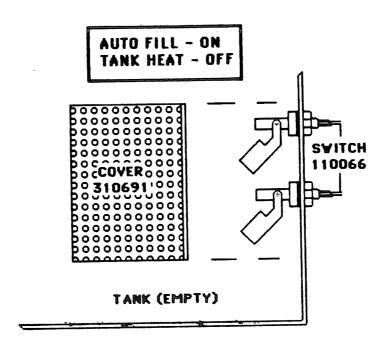
PART NUMBER	ITEM NO	DESCRIPTION	QTY/PER
404394		COMMON PARTS B4/C4 UCCW NG	
102390		DIICU DEDIIO 1/2 V 2/0 DDACC	•
	ż	BUSH REDUC 1/2 X 3/8 BRASS	<del></del>
102438	3	ELBOW STREET 1/2 90 BRASS	<u>l.</u>
102467		NIPPLE 3/8 X 2 BRASS	1.
104614	4	COCK SHUT-OFF 3/8	1.
104638	5	GASKET 3 1/2SQX1/8TK 2HOLE	2.
108416	6 7	COUPLER QUICK FEMALE	9.
108578	7	BRACKET PERIMETER PANEL	4.
108608	8	ELBOW SUCTION STRAINER	1 _
108609	9	STRAINER SUCTION	1.
109813	10	THERMOMETER 4'LEAD COMENDA	1.
110066	[ ]	SWITCH, FLT 4400 W/2 GASKET	2.
304816	12	STRAINER 6 INCH DIA	1.
305246	13	BRACKET GAUGE U-LD	1.
305693	14	STANDPIPE WELDMENT UC-CW	1.
305694	16	UC STANDPIPE BRKT	1.
308811	16	TRACK WELD C4 UCC-CW NG	2.
308876	17	BRACKET, TRACK-MANIFOLD UC	2.
308918	18	MANIFOLD UPPER UCCW C4 NG	1.
308919	19	MANIFOLD LOWER UCCW C4 NG	1.
309616	20	WELDMENT, UC 48"WIREWAY	1.
310691	21	COVER WELD, FLOAT SWITCH	<u> </u>
401512	22	SPRAYPIPE 26 INCH UC-CW	9.
401834	23	PUMP ASSY 3HP 3PH LH PW-W-	1.
404408	24	BASE ASSY C4 UCCW NG	1:

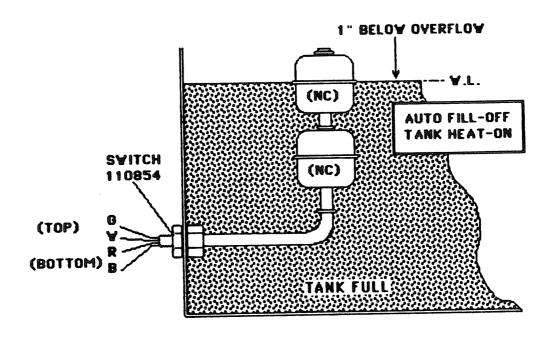
PART NUMBER	ITEM NO	DESCRIPTION	QTY/PER
404395		COMMON PARTS B4/C4 UCC NG	
102390		BUSH REDUC 1/2 X 3/8 BRASS	•
102467	3	NIPPLE 3/8 X 2 BRASS	<u></u>
104614	4	COCK SHUT-OFF 3/8	<u></u>
104638	5		<u>1.</u>
		GASKET 3 1/2SQX1/8TK 2HOLE	2.
108416	<u>6</u> 7	COUPLER QUICK FEMALE	9.
108578		BRACKET PERIMETER PANEL	4.
108608	8	ELBOW SUCTION STRAINER	1.
108609	9	STRAINER SUCTION	1.
109813	10	THERMOMETER 4'LEAD COMENDA	1.
110066	11	SWITCH, FLT 4400 W/2 GASKET	2.
304816	12	STRAINER 6 INCH DIA	1.
305246	13	BRACKET GAUGE U-LD	1.
305694	15	UC STANDPIPE BRKT	1.
305869	14	STANDPIPE WELDMENT UC-C	1
308811	16	TRACK WELD C4 UCC-CW NG	2.
308876	17	BRACKET, TRACK-MANIFOLD UC	2.
309616	20	WELDMENT, UC 48"WIREWAY	1.
309698	19	MANIFOLD LOWER UCC C4 NG	1.
309699	18	MANIFOLD UPPER UCC C4 NG	1.
310691	21	COVER WELD, FLOAT SWITCH	<u> </u>
401511	22	SPRAYPIPE 20 3/4 UC-C	9.
401834	23	PUMP ASSY 3HP 3PH LH PW-W-	<del>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</del>
404409	24	BASE ASSY C4 UCC NG	<u> </u>
303305		DUST VSSI C4 OCC NG	1.



## AUTO FILL & LOW WATER CUT-OFF

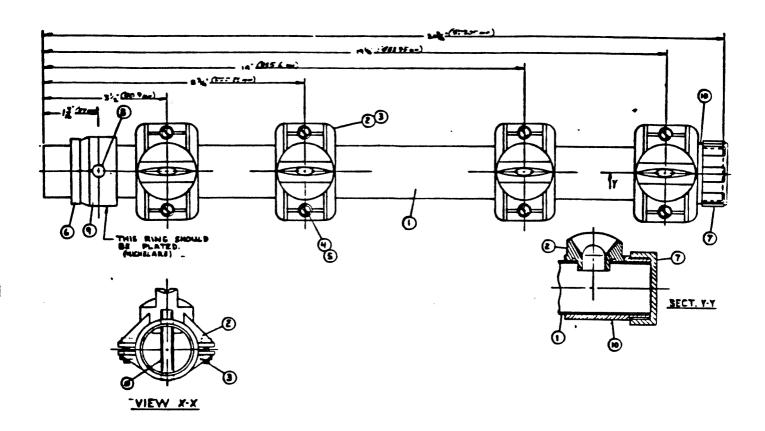
Note; 24 volt system using transformer (108129)







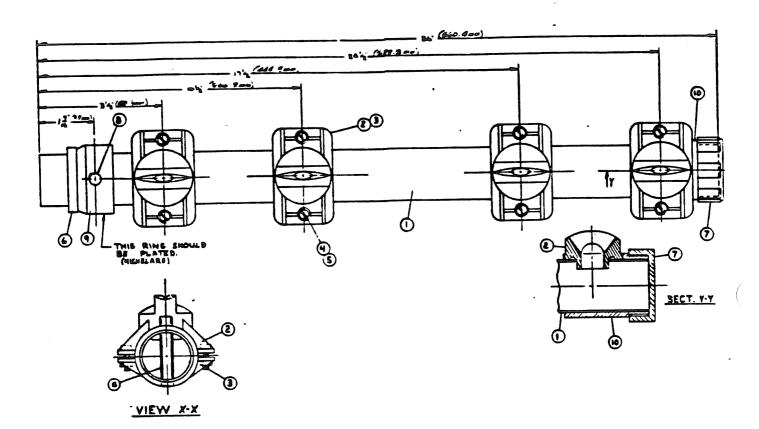
#### **WASH-RINSE ASSEMBLY**



PART NUMBER 401511	ITEM NO	DESCRIPTION SPRAYPIPE 20 3/4 UC-C	QTY/PER
108446	2	NOZZLE TOP 20-64KPRB	0.0
108444	3	NOZZLE BOTTOM 20-64KPRB	0.0
108442	4	BOLT M5 X 15MM FILISTER HD	0.0
108441	5	NUT HEX M5	0.0
108443	6	GASKET 44MM X 35MM RUBBER	0.0
108447	7	CAP 1 1/4 PLASTIC	0.0
108445	10	CAP ADAPTER	0.0



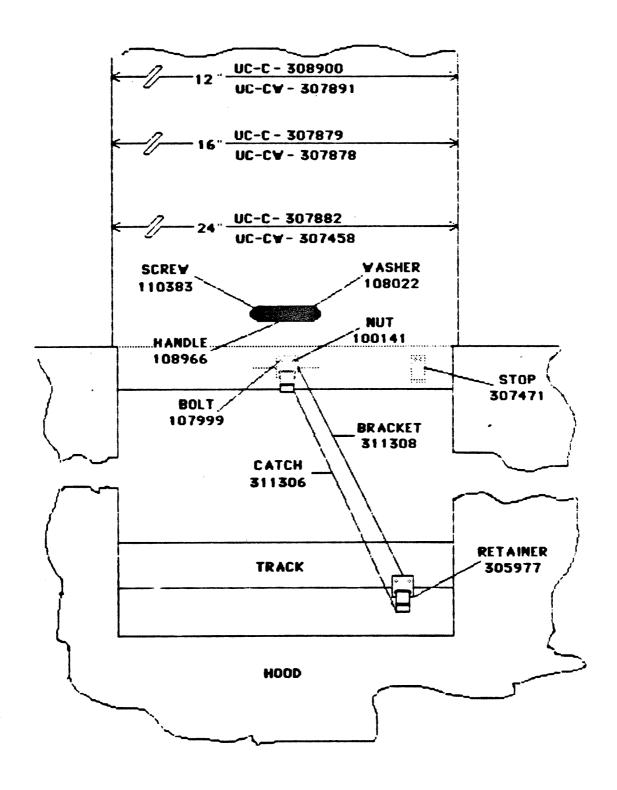
#### WASH-RINSE ASSEMBLY



PART NUMBER 401512	ITEM NO	DESCRIPTION SPRAYPIPE 26 INCH UC-CW	QTY/PER
108446	2	NOZZLE TOP 20-64KPRB	0.0
108444	3	NOZZLE BOTTOM 20-64KPRB	0.0
108442	4	BOLT M5 X 15MM FILISTER HD	0.0
108441	5	NUT HEX M5	0.0
108443	6	GASKET 44MM X 35MM RUBBER	0.0
	<del></del>	CAP 1 1/4 PLASTIC	0.0
108447	10	CAP ADAPTER	0.0



#### **DOORS**

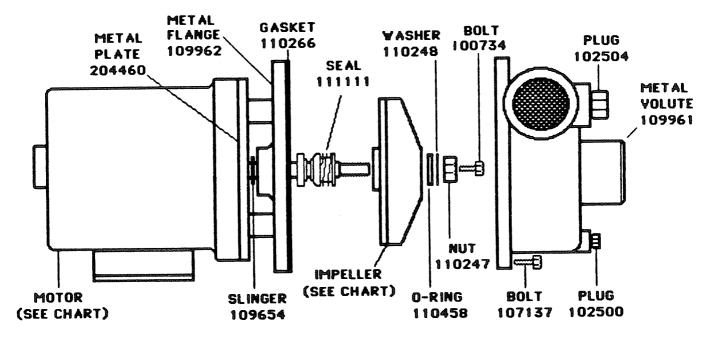




### <u>UP-RIGHT CONVEYOR (UC)</u> <u>JET PUMP ASSEMBLY</u> CAST IRON

Р	UMP & MOTOR COMP	LETE	MOTOR	IMPELLER
1 HP	PREWASH (211)	405919	110420	111108
2 HP	PREWASH (2ft)	405920	110422	111108
3 HP	WASH & RINSE (3rt		110424	111109
3 HP	WASH & RINSE (4ff	405923	110424	111110
ALL ABOVE MOTORS ARE 208-230/460 YOLTS, 3-PHASE, 60-CYCLE				

NOTE: TO CHOOSE PROPER IMPELLER, MEASURE MODULAR SECTION (SEE PAGE 55). MATCH MOTOR HORSE POWER WITH SECTION LENGTH. EXAMPLE; 1 HP + PREWASH (2 ft) = 111108



To replace the motor or seal, turn power off to the machine, remove the plug at the lowest point on the volute and drain all the water. Remove the 11 bolts on the volute and carfully separate the volute without damaging the gasket. Hold the motor shaft at the rear with a screwdriver or wrench while backing off the locknut. Remove the large nut and washer and unscrew the impeller counter clockwise.

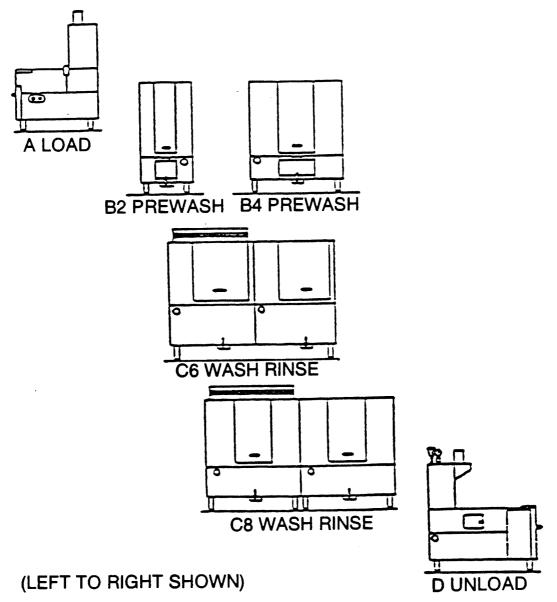
Use a water soluble lubricant when installing the new seal. Reassemble in the reverse order and test by 'bumping' the motor to check the proper rotation.



#### MAIN ASSEMBLY

### **UPRIGHT CONVEYOR SECTIONAL CONSTRUCTION**

Champion Model UC (Upright Conveyor) Dishwashing Machines are comprised of modular sectjions designed to provide maximum space, labor and production efficiency. The UC is available in 3 variations of conveyor widths. The suffix C in the model number denotes a 24" wide conveyor belt and CW denotes 291/4" wide conveyor belt. Champion's new UC, Model W-6, denotes a 60" wide conveyor belt.

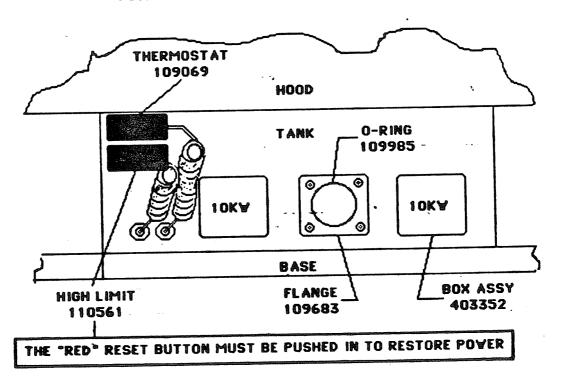




# **ELECTRIC TANK HEAT W/O REFUSE BUCKET**

Since the C3 and C4 wash/rinse tanks have 3 holes prepunched, any combination of heaters may be used; such as, 2 10KW=20KW, 1 5KW+2 10KW=25KW, or 3 10KW=30KW. When using 2 10KW heaters the center hole is blocked off with a flange.

5KW HEATER-208V- 109754
5KW HEATER-240V- 109753
5KW HEATER-480V- 109752
10KW HEATER-208V- 109751
10KW HEATER-240V- 109750
10KW HEATER-480V- 109749



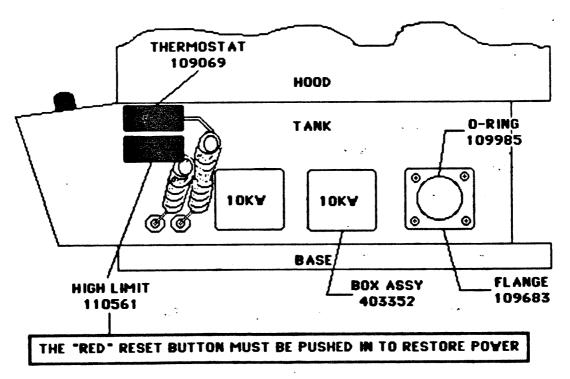
FRONT VIEW



# ELECTRIC TANK HEAT C3 W/REFUSE BUCKET

Since the C3 wash/rinse tanks have 3 holesprepunched, any combination of heaters may be used; such as, 2 10KW=20KW, 1 5KW+2 10KW=25KW, or 3 10KW=30KW. When using 2 10KW heaters the right hole is blocked off with a flange.

5KW HEATER-208V- 109789 5KW HEATER-240V- 109791 5KW HEATER-480V- 109793 10KW HEATER-208V- 109790 10KW HEATER-240V- 109792 10KW HEATER-480V- 109794



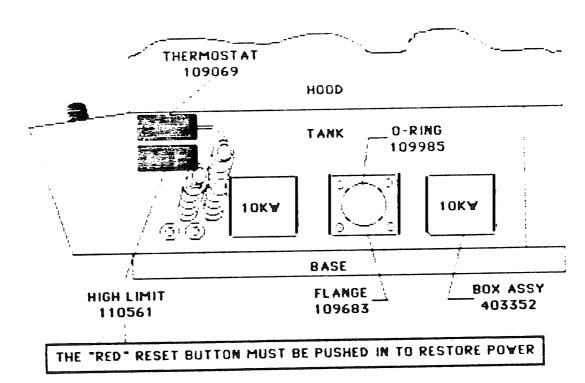
RIGHT SIDE VIEW



# ELECTRIC TANK HEAT C4 W/REFUSE BUCKET

Since the C4 wash/rinse tanks have 3 holesprepunched, any combination of heaters may be used, such as,  $2.10 \, \text{KW} = 20 \, \text{KW}$ ,  $1.5 \, \text{KW} + 2.10 \, \text{KW} = 25 \, \text{KW}$ , or  $3.10 \, \text{KW} = 30 \, \text{KW}$ . When using  $2.10 \, \text{KW}$  heaters the center hole is blocked off with a flange.

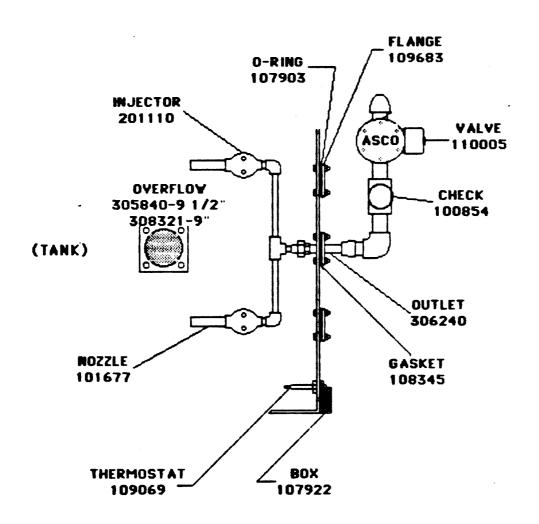
5KW HEATER-208V- 109754
5KW HEATER-240V- 109753
5KW HEATER-480V- 109752
10KW HEATER-208V- 109751
10KW HEATER-240V- 109750
10KW HEATER-480V- 109749



RIGHT SIDE VIEW



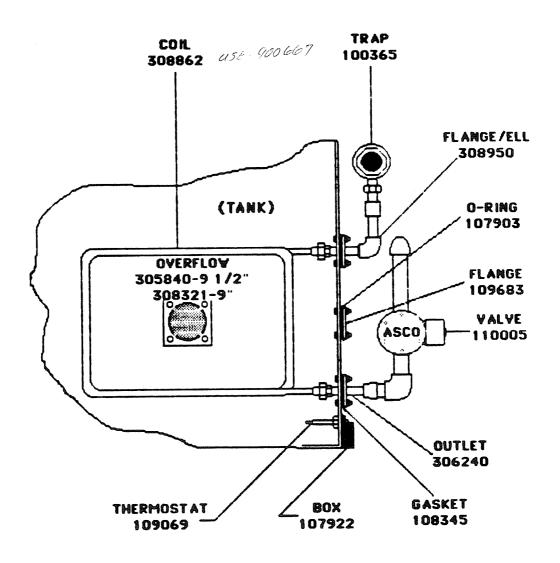
# TANK HEAT STEAM INJECTORS



TOP VIEW



### TANK HEAT STEAM COIL

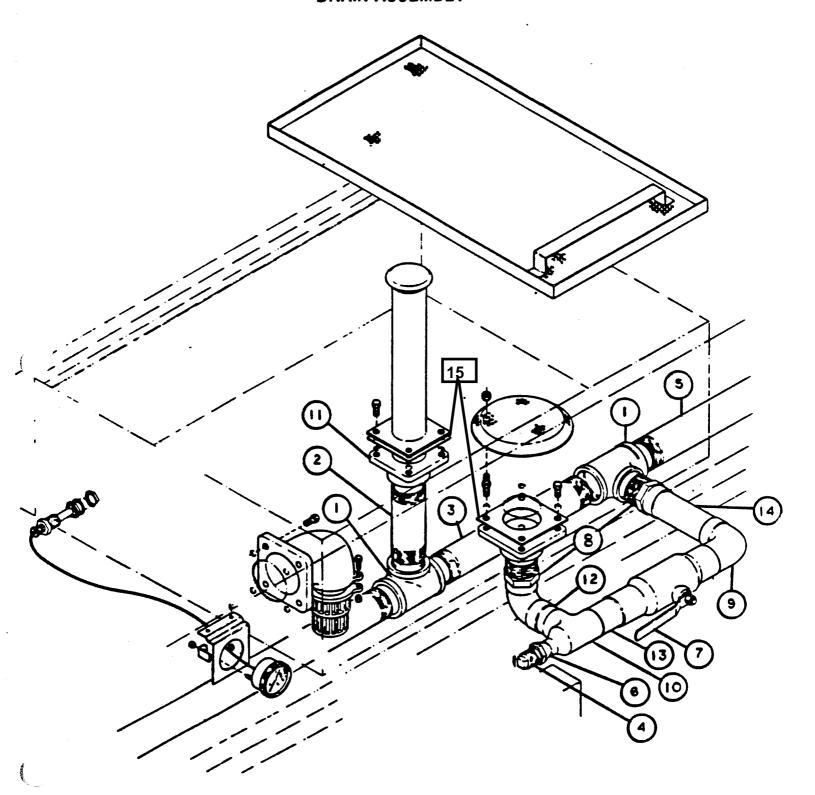


TOP VIEW





#### **DRAIN ASSEMBLY**



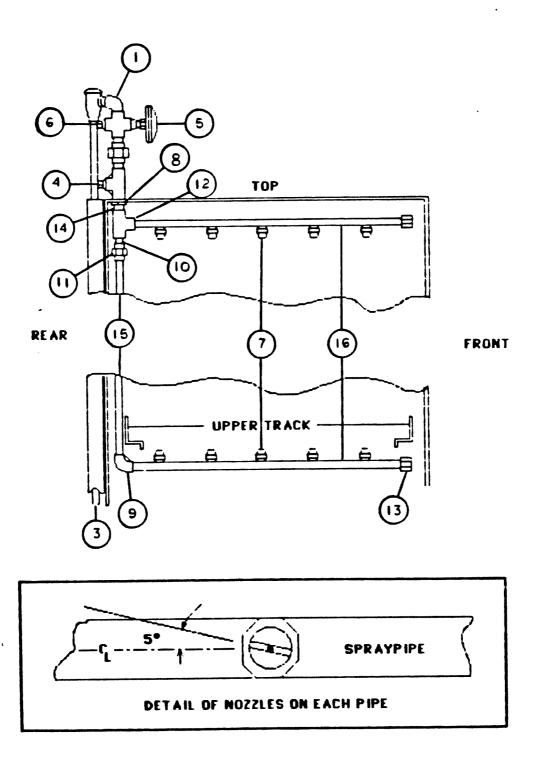


### DRAIN ASSEMBLY

Por No		Description	<b>9</b> y.
600790		DRAIN COMMON PARTS UC-C	
100036	•	TEE 1 1/2 INCH GALV	2.
101833	2	NIPPLE 1 1/2 X 2 1/2 GALV	<u>l</u> •
101856	3	NIPPLE 1 1/2 X 6 1/2 GALV	1.
102505	4	PLUG 3/4 BRASS	1 .
106687	5	NIPPLE TOE 1 1/2X2 1/2GALV	1.0
109062	. 6	ADAPTER 3/4 FTG X F COPPER	1.
109072	7	VALVE BALL 1 1/2 SOLDER	<u>l</u> .
109109	8	ADAPTER 1 1/2 604 COPPER	2 •
109110	9	ELBOW 1 1/2CX1 1/2FTG COP	2.
109111	10	TEE 1 1/2X3/4X1 1/2 COPPER	1.
202191	1 1	DRAIN FLANGE	2 •
202819	. 12	TUBE 1 1/2 X 2 3/4 COPPER	1.
202860	13	TUBE 1 1/2 X 2 3/8 COPPER	1.
202861	14	TUBE 1 1/2 X 9 COPPER	1 •
108345	15	GASKET 3x3x1/8" 2" HOLE	2.
600791		DRAINOCOMMON PARTS UC-CH	
100036	8	TEE 1 1/2 INCH GALV	2.
101833	2	NIPPLE 1 1/2 X 2 1/2 GALV	1.
101856	3	NIPPLE 1 1/2 X 6 1/2 GALV	1.
102505	4	PLUG 3/4 BRASS	1.
109062	G	ADAPTER 3/4 FTG X F COPPER	1 .
109072	7	VALVE BALL 1 1/2 SOLDER	1.
109109	8	ADAPTER 1 1/2 604 COPPER	2.
109110	9	ELBOK 1 1/2CX1 1/2FTG COP	2 •
109111	10	TEE 1 1/2×3/4×1 1/2 COPPER	1 e
202191	1 1	DRAIN FLANGE	2 •
202819	1 2	TUBE, 1 1/2 X 2 3/4 COPPER	1.
202855	14	TUBE 1 1/2 X 11 3/4 COPPER	· 1 e
202860	13	TUBE 1 1/2 X 2 3/8 COPPER	1.



#### FINAL RINSE ASSEMBLY

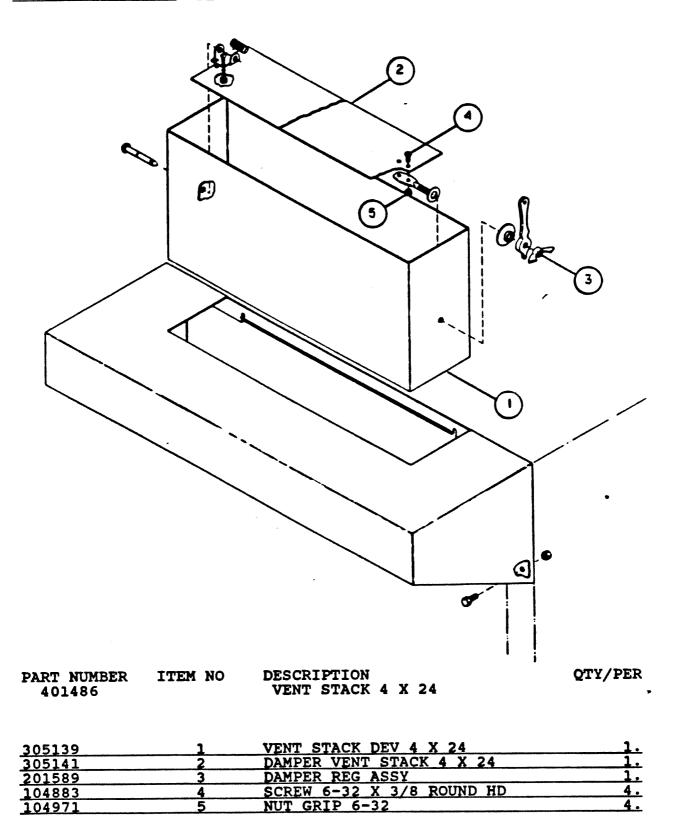




#### **REPLACEMENT PARTS**

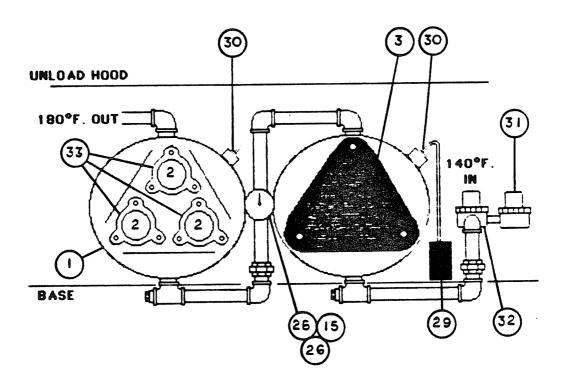
PART NUMBER 600753	ITEM NO	DESCRIPTION PIPING FINAL RINSE UC-CWNP	QTY/PER
000733			
202911	1	ASSY PIPE F-RINSE NI-PLATE	1.
451167	2	KIT FINAL RINSE UC	1.
600810	3	PIPING ASSY FR UC-CW	1.
PART NUMBER	ITEM NO	DESCRIPTION PIPING FINAL RINSE UC-C NP	QTY/PER
202911 451167	<u> </u>	ASSY PIPE F-RINSE NI-PLATE KIT FINAL RINSE UC	1. 1.
600809	3	PIPING ASSY FR UC-C	1.
451167		KIT FINAL RINSE UC	
102506	4	PLUG 3/4 SST	1.
104682	5	THERMOMETER 2 INCH STEM CB	<u>. 1.</u>
107423	6	PLUG 3/4 IN 62028	1.
600809		PIPING ASSY FR UC-C	
100368	7	NOZZLE 1/8 U8010	10.
100548	8	LOCKNUT 3/4	1: 1:
102436	9	ELBOW 1/2 90 SST.	1:
102461	10	NIPPLE 1/2 X 2 SST UNION 1/2 INCH SST	<del>†</del> :
102550	11	TEE3/4X1/2X1/2 SST	1. 1.
103491 106734	13	CAP 1/2 INCH PLASTIC	2.
108906	14	NIPPLE RTOE 3/4X1 3/4 W/SH	1.
202924	15	NIPPLE 1/2 X 21 1/4 SST	<u>1</u> :
305945	16	FINAL RINSE PIPE UC-C	2,
600810		PIPING ASSY FR UC-CW	
	_		
100368		NOZZLE 1/8 U8010	12.
100548	8	NIPPLE 1/2 X 26 SST	
101478	1 5 9	NIPPLE 1/2 X 26 SST ELBOW 1/2 90 SST.	1:
102436 102461	10	NIPPLE 1/2 X 2 SST	1.
102550		UNION 1/2 INCH SST	1.
103491	12	TEE3/4X1/2X1/2 SST	1.
106734	13	CAP 1/2 INCH PLASTIC	1. 2.
108906	14	NIPPLE RTOE 3/4X1 3/4 W/SH	<u>l.</u>
305894	16	PIPING RINSE SPRAY	2.







# CHAMPION ELECTRIC BOOSTER WITH 9 KW ELEMENTS



NOTE: There are two (2) different 9KW elements that fit this booster. They are identical, except for voltage which is stamped on the rolled edge.

P/N 108580-(208/240) STAMPED '230/400' P/N 108579-(440/480) STAMPED '254/440'

EFFECTIVE; JULY 1, 1988, A HIGH TEMPERATURE LIMIT SWITCH, PART \$110562, WILL BE INSTALLED ON THE BOOSTER (ELECTRIC HEAT ONLY). ADHESIVE, PART \$110563, IS USED TO AFFIX THE SENSOR. THE "RED" RESET BUTTON MUST BE PUSHED IN TO RESTORE POWER.

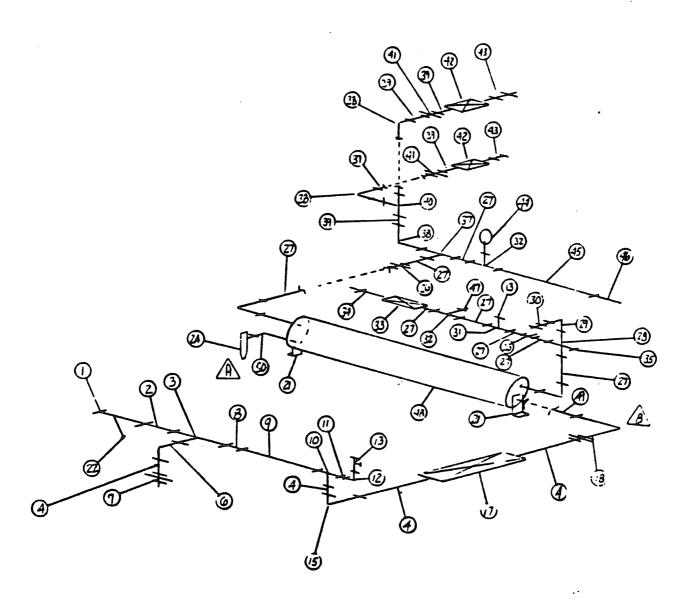




PART NUMBER	ITEM NO	DESCRIPTION	QTY/PER
600769		PIPING BSTR ELEC 54KW 208V	
		•	
100123	4	COCK GAUGE 1/4 41-500-01	1.
102651	8	NIPPLE 3/4 X 2 BRASS	2.
102655	8	NIPPLE 3/4 X 4 1/2 BRASS	3.
102675	16	NIPPLE 3/4 X 10 BRASS	2.
102683	17	NIPPLE 3/4 X 13 1/2 BRASS	2.
104682	25	THERMOMETER 2 INCH STEM CB	1.
104753	27	STRAINER LINE 3/4	1.
107418	28	TEE 3/4 X 3/4 X 1/4 BRASS	1.
107922	29	BOX&COVER THERMOSTAT 2X3X4	2.
109069	30	THERMOSTAT W/CAPILLA ESSEX	2.
109886	31	VALVE,1/2 IN HW J&E GP407	2.
109887	32	VALVE,3/4 IN HW J&E GP607	1.
109985	33	O-RING,55.3 X 66.7 X5.7	6.
204323	34	ANGLE, BOOSTR SUPT (REAR) UC	3.
307641	35	COVER BOOSTER CAB UC	1.
309317	36	BRACKET PIPE SUPPORT	1.
309319	37	BRACKET TWO THERMOSTAT	1.
305915	1	BOOSTER WELDMENT UC-CW	2.
108580	2	HEATER 9KW 230/400V	6.
108576	3	COVER BOOSTER NO CUTOUT	2.
104681	5	SILENCER 1/2 INCH	1.
107550	7	VALVE PRESS RED 3/4 N250	1.
102521	9	TEE 3/4 BRASS	3.
102442	10	ELBOW 3/4 90 BRASS	4.
102505	11	PLUG 3/4 BRASS	4.
<b>10</b> 0571	12	UNION 3/4 BRASS	3.
100184	13	NIPPLE 3/4 CLOSE BRASS	7.
102444	14	ELBOW STREET 3/4 90 BRASS	3.
102392	15	BUSH REDUC 3/4 X 1/2 BRASS	1.
202789	18	TUBING COPPER 3/4 X 18LG	1.
102526	19	TEE 3/4 X 3/4 X 1/2 BRASS	2.
102570	20	NIPPLE 1/2 X 4 BRASS	1
102514	21	TEE 1/2 BRASS	1.
102438	22	ELBOW STREET 1/2 90 BRASS	2.
102549	23	UNION 1/2 BRASS	2.
100209	24	NIPPLE 1/2 CLOSE BRASS	6.
100599	26	CROSS 3/4 BRASS	<u> </u>



#### STEAM BOOSTER

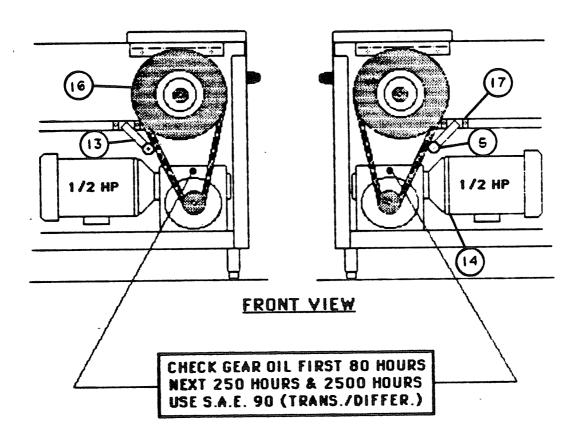


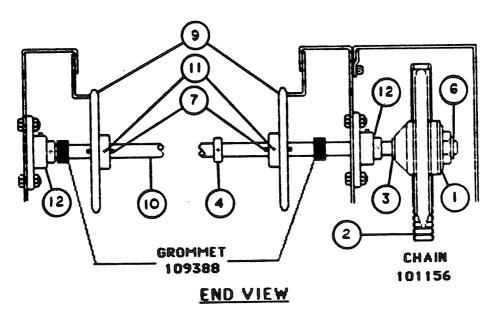


NIPPLE 1 X 2 BI   2.	PART NUMBER 600752	ITEM NO	DESCRIPTION PIPING SPIREX BOOSTER UC	QTY/PER
105850		_	•	
19069   20		43		<u>l.</u>
109069   20				<u>2</u> .
109886				<u> </u>
109887   33			THERMOSTAT W/CAPILLA ESSEX	
106051		42		
106607   2   NIPPLE 2 CLOSE BI   1.   107657   3   TEE 2 X 1 1/2 X 1 1/2 BI   1.   105847   4   NIPPLE 1 CLOSE BI   2.   107500   6   ELBOW STREET 1 1/2 90 BI   1.   103586   7   UNION 1 1/2 INCH B.I.   1.   1.   1.   1.   1.   1.   1.				<u>+</u> -
107657				<u></u>
105847				<del></del>
107500   6   ELBOW STREET 1 1/2 90 BI   1.03586   7   UNION 1 1/2 INCH B.I.   1.   1.0979   8   BUSHING RED 1 1/2 X 1 BI   1.   1.05864   9   NIPPLE 1 X 7 BI   1.   1.05764   10   TEE 1 X 1/2 X 1 BI   1.   1.02402   11   BUSH REDUC 1/2 X 1/4 BI   1.   1.00123   13   COCK GAUGE 1/4 41-500-01   2.   1.05881   14   NIPPLE 1 1/2 CLOSE BI   1.   1.05733   15   ELBOW 1 IN 90 BI   1.   1.05733   15   ELBOW 1 IN 90 BI   1.   1.0005   17   VALVE.1"ASCO STEAM   1.   1.07211   18   UNION ELBOW 1 IN BI FEMALE   1.   1.   1.   1.   1.   1.   1.   1				
100579   8   BUSHING RED   1   1   2   1   1   1   1   1   1   1				1.
100979   8   BUSHING RED 1 1/2 X 1 BI   1.05864   9   NIPPLE 1 X 7 BI   1.05764   10   TEE 1 X 1/2 X 1 BI   1.00764   11   BUSH REDUC 1/2 X 1/4 BI   1.00944   12   ELBOW STREET 1/4 BI   1.00944   13   COCK GAUGE 1/4 41-500-01   2.05881   14   NIPPLE 1 1/2 CLOSE BI   1.05733   15   ELBOW 1 IN 90 BI   1.05733   15   ELBOW 1 IN 90 BI   1.0005   17   VALVE,1"ASCO STEAM   1.0005   17   VALVE,1"ASCO STEAM   1.00211   18   UNION ELBOW 1 IN BI FEMALE   1.0579   21   BRACKET STEAM   2.00579   22   PLUG 1 1/4 NPT GALV   1.00365   24   TRAP STEAM 1/2 25PSI   1.00571   26   UNION 3/4 BRASS   2.00184   27   NIPPLE 3/4 CLOSE BRASS   1.00184   27   NIPPLE 3/4 CLOSE BRASS   1.002444   29   ELBOW STREET 3/4 90 BRASS   2.04649   30   VALVE RELIEF 3/4 17-402-3   1.07418   31   TEE 3/4 X 3/4 X 1/2 BRASS   3.02392   35   BUSH REDUC 3/4 X 1/2 BRASS   3.02438   38   ELBOW STREET 1/2 90 BRASS   3.02438   38   ELBOW STREET 1/2 90 BRASS   3.02549   41   UNION 1/2 BRASS   3.02549   41   UNION 1/2 BRASS   3.02549   41   UNION 1/2 BRASS   2.04681   44   SILENCER 1/2 INCH   1.07550   46   VALVE PRESS   RED 3/4 N250   1.002504   47   PLUG 1/2 BRASS   1.002504   1.00				1.
105864   9				1.
105764		9		1.
102402		10		1.
100944				
100123		12	ELBOW STREET 1/4 BI	
105733				2.
10005	105881			1.
10005	105733	15		<u> </u>
A1659-2       21       BRACKET STEAM       2         100579       22       PLUG 1 1/4 NPT GALV       1         100365       24       TRAP STEAM 1/2 25PSI       1         100571       26       UNION 3/4 BRASS       2         100184       27       NIPPLE 3/4 CLOSE BRASS       10         100599       28       CROSS 3/4 BRASS       1         102444       29       ELBOW STREET 3/4 90 BRASS       2         104649       30       VALVE RELIEF 3/4 17-402-3       1         107418       31       TEE 3/4 X 3/4 X 1/4 BRASS       1         102526       32       TEE 3/4 X 3/4 X 1/2 BRASS       3         102392       35       BUSH REDUC 3/4 X 1/2 BRASS       1         102438       38       ELBOW STREET 1/2 90 BRASS       1         102509       39       NIPPLE 1/2 CLOSE BRASS       5         102514       40       TEE 1/2 BRASS       1         102549       41       UNION 1/2 BRASS       2         104681       44       SILENCER 1/2 INCH       1         107550       46       VALVE PRESS RED 3/4 N250       1         102504       47       PLUG 1/2 BRASS       1 <td></td> <td></td> <td>VALVE, 1"ASCO STEAM</td> <td></td>			VALVE, 1"ASCO STEAM	
100579       22       PLUG 1 1/4 NPT GALV         100365       24       TRAP STEAM 1/2 25PSI         100571       26       UNION 3/4 BRASS         100184       27       NIPPLE 3/4 CLOSE BRASS         100599       28       CROSS 3/4 BRASS         102444       29       ELBOW STREET 3/4 90 BRASS         104649       30       VALVE RELIEF 3/4 17-402-3         107418       31       TEE 3/4 X 3/4 X 1/4 BRASS         102526       32       TEE 3/4 X 3/4 X 1/2 BRASS         102392       35       BUSH REDUC 3/4 X 1/2 BRASS         102438       38       ELBOW STREET 1/2 90 BRASS         102514       40       TEE 1/2 BRASS         102514       40       TEE 1/2 BRASS         104681       44       SILENCER 1/2 INCH         107550       46       VALVE PRESS RED 3/4 N250         102504       47       PLUG 1/2 BRASS				1.
100365       24       TRAP STEAM 1/2 25PSI       1         100571       26       UNION 3/4 BRASS       2         100184       27       NIPPLE 3/4 CLOSE BRASS       10         100599       28       CROSS 3/4 BRASS       1         102444       29       ELBOW STREET 3/4 90 BRASS       2         104649       30       VALVE RELIEF 3/4 17-402-3       1         107418       31       TEE 3/4 X 3/4 X 1/4 BRASS       1         102526       32       TEE 3/4 X 3/4 X 1/2 BRASS       3         102392       35       BUSH REDUC 3/4 X 1/2 BRASS       1         102438       38       ELBOW STREET 1/2 90 BRASS       3         102099       39       NIPPLE 1/2 CLOSE BRASS       3         102514       40       TEE 1/2 BRASS       1         102549       41       UNION 1/2 BRASS       2         104681       44       SILENCER 1/2 INCH       1         107550       46       VALVE PRESS RED 3/4 N250       1         102504       47       PLUG 1/2 BRASS       1				2.
100571       26       UNION 3/4 BRASS       2         100184       27       NIPPLE 3/4 CLOSE BRASS       10         100599       28       CROSS 3/4 BRASS       1         102444       29       ELBOW STREET 3/4 90 BRASS       2         104649       30       VALVE RELIEF 3/4 17-402-3       1         107418       31       TEE 3/4 X 3/4 X 1/4 BRASS       1         102526       32       TEE 3/4 X 3/4 X 1/2 BRASS       3         102392       35       BUSH REDUC 3/4 X 1/2 BRASS       1         102438       38       ELBOW STREET 1/2 90 BRASS       3         102599       39       NIPPLE 1/2 CLOSE BRASS       5         102514       40       TEE 1/2 BRASS       1         102549       41       UNION 1/2 BRASS       2         104681       44       SILENCER 1/2 INCH       1         107550       46       VALVE PRESS RED 3/4 N250       1         102504       47       PLUG 1/2 BRASS       1				1.
100184       27       NIPPLE 3/4 CLOSE BRASS       10         100599       28       CROSS 3/4 BRASS       1         102444       29       ELBOW STREET 3/4 90 BRASS       2         104649       30       VALVE RELIEF 3/4 17-402-3       1         107418       31       TEE 3/4 X 3/4 X 1/4 BRASS       1         102526       32       TEE 3/4 X 3/4 X 1/2 BRASS       3         102392       35       BUSH REDUC 3/4 X 1/2 BRASS       1         102438       38       ELBOW STREET 1/2 90 BRASS       3         10209       39       NIPPLE 1/2 CLOSE BRASS       5         102514       40       TEE 1/2 BRASS       1         102549       41       UNION 1/2 BRASS       2         104681       44       SILENCER 1/2 INCH       1         107550       46       VALVE PRESS RED 3/4 N250       1         102504       47       PLUG 1/2 BRASS       1		24		1.
100599       28       CROSS 3/4 BRASS       1         102444       29       ELBOW STREET 3/4 90 BRASS       2         104649       30       VALVE RELIEF 3/4 17-402-3       1         107418       31       TEE 3/4 X 3/4 X 1/4 BRASS       1         102526       32       TEE 3/4 X 3/4 X 1/2 BRASS       3         102392       35       BUSH REDUC 3/4 X 1/2 BRASS       1         102438       38       ELBOW STREET 1/2 90 BRASS       3         10209       39       NIPPLE 1/2 CLOSE BRASS       5         102514       40       TEE 1/2 BRASS       1         102549       41       UNION 1/2 BRASS       2         104681       44       SILENCER 1/2 INCH       1         107550       46       VALVE PRESS RED 3/4 N250       1         102504       47       PLUG 1/2 BRASS       1		26		2.
102444       29       ELBOW STREET 3/4 90 BRASS       2         104649       30       VALVE RELIEF 3/4 17-402-3       1         107418       31       TEE 3/4 X 3/4 X 1/4 BRASS       1         102526       32       TEE 3/4 X 3/4 X 1/2 BRASS       3         102392       35       BUSH REDUC 3/4 X 1/2 BRASS       1         102438       38       ELBOW STREET 1/2 90 BRASS       3         100209       39       NIPPLE 1/2 CLOSE BRASS       5         102514       40       TEE 1/2 BRASS       1         102549       41       UNION 1/2 BRASS       2         104681       44       SILENCER 1/2 INCH       1         107550       46       VALVE PRESS RED 3/4 N250       1         102504       47       PLUG 1/2 BRASS       1				10.
104649       30       VALVE RELIEF 3/4 17-402-3       1         107418       31       TEE 3/4 X 3/4 X 1/4 BRASS       1         102526       32       TEE 3/4 X 3/4 X 1/2 BRASS       3         102392       35       BUSH REDUC 3/4 X 1/2 BRASS       1         102438       38       ELBOW STREET 1/2 90 BRASS       3         100209       39       NIPPLE 1/2 CLOSE BRASS       5         102514       40       TEE 1/2 BRASS       1         102549       41       UNION 1/2 BRASS       2         104681       44       SILENCER 1/2 INCH       1         107550       46       VALVE PRESS RED 3/4 N250       1         102504       47       PLUG 1/2 BRASS       1				<del></del>
107418       31       TEE 3/4 X 3/4 X 1/4 BRASS       1         102526       32       TEE 3/4 X 3/4 X 1/2 BRASS       3         102392       35       BUSH REDUC 3/4 X 1/2 BRASS       1         102438       38       ELBOW STREET 1/2 90 BRASS       3         100209       39       NIPPLE 1/2 CLOSE BRASS       5         102514       40       TEE 1/2 BRASS       1         102549       41       UNION 1/2 BRASS       2         104681       44       SILENCER 1/2 INCH       1         107550       46       VALVE PRESS RED 3/4 N250       1         102504       47       PLUG 1/2 BRASS       1				<del>`</del>
102526       32       TEE 3/4 X 3/4 X 1/2 BRASS       3         102392       35       BUSH REDUC 3/4 X 1/2 BRASS       1         102438       38       ELBOW STREET 1/2 90 BRASS       3         100209       39       NIPPLE 1/2 CLOSE BRASS       5         102514       40       TEE 1/2 BRASS       1         102549       41       UNION 1/2 BRASS       2         104681       44       SILENCER 1/2 INCH       1         107550       46       VALVE PRESS RED 3/4 N250       1         102504       47       PLUG 1/2 BRASS       1				<del></del>
102392       35       BUSH REDUC 3/4 X 1/2 BRASS       1         102438       38       ELBOW STREET 1/2 90 BRASS       3         100209       39       NIPPLE 1/2 CLOSE BRASS       5         102514       40       TEE 1/2 BRASS       1         102549       41       UNION 1/2 BRASS       2         104681       44       SILENCER 1/2 INCH       1         107550       46       VALVE PRESS RED 3/4 N250       1         102504       47       PLUG 1/2 BRASS       1		<u>37</u>		
102438       38       ELBOW STREET 1/2 90 BRASS       3         100209       39       NIPPLE 1/2 CLOSE BRASS       5         102514       40       TEE 1/2 BRASS       1         102549       41       UNION 1/2 BRASS       2         104681       44       SILENCER 1/2 INCH       1         107550       46       VALVE PRESS RED 3/4 N250       1         102504       47       PLUG 1/2 BRASS       1				
100209       39       NIPPLE 1/2 CLOSE BRASS       5         102514       40       TEE 1/2 BRASS       1         102549       41       UNION 1/2 BRASS       2         104681       44       SILENCER 1/2 INCH       1         107550       46       VALVE PRESS RED 3/4 N250       1         102504       47       PLUG 1/2 BRASS       1	102392			
102514       40       TEE 1/2 BRASS       1         102549       41       UNION 1/2 BRASS       2         104681       44       SILENCER 1/2 INCH       1         107550       46       VALVE PRESS RED 3/4 N250       1         102504       47       PLUG 1/2 BRASS       1				5.
102549       41       UNION 1/2 BRASS       2         104681       44       SILENCER 1/2 INCH       1         107550       46       VALVE PRESS RED 3/4 N250       1         102504       47       PLUG 1/2 BRASS       1				1.
104681       44       SILENCER 1/2 INCH       1         107550       46       VALVE PRESS RED 3/4 N250       1         102504       47       PLUG 1/2 BRASS       1				2.
107550 46 VALVE PRESS RED 3/4 N250 1 102504 47 PLUG 1/2 BRASS 1				1.
102504 47 PLUG 1/2 BRASS 1				
109032 AS ROOSTED STITE K-2				1.
AUDUDE TO DOUGLER DELEGE A L	109032	48	BOOSTER SPIREC K-2	1.
105705 49 BUSH REDUCING 1 X 3/4 BI 1				1.
100147 . 50 STREET ELL 1/2 IN BI 1				1.



### DRIVE SYSTEM







PART NUMBER 451396	ITEM NO	DESCRIPTION DRIVE INST C6 STD CWNG L-R	QTY/PER
100485	1	CLUTCH TORQUE LIMIT 350A2	1.
101149	2	LINK CONNECTING	1.
104271	3	BUSHING CLUTCH 350A-2	<u> </u>
104713	4	COLLAR 1 INCH SST	3.
106521	5	SPROCKET 5/8 B 8T	1.
106679	6	KEY 1/4 X 1/4 X 2 1/2	1.
107305	7	KEY 1/4 X 1/4 X 1 1/2	2.
107582	8	BOLT 3/8-16 X 2 HEX HEAD	1.
108434	9	SPROCKET CONVEYOR	3.
108868	10	SHAFT DRIVE 1 X 38 1/16 UC	1.
109871	11	SCREW-SET 3/8-16UNCX1/2SOC	2.
109958	12	BEARING, UC DRIVE	2.
110076	13	BELT TENSIONER	1.
110204	14	MOTOR/RED.(RH) 1/2HP/MV/3	1.
110317	15	MOTOR 1/2HP/3 AC 1140RPM	1.
201976	16	SPROCKET 50-A-54 B/1.940	1.
310404	17	BRACKET, IDLER UC NG	1.

PART NUMBER 451397	ITEM NO	DESCRIPTION DRIVE INST C6 STD UCCNG/LR	QTY/PER
100485	ı	CLUTCH TORQUE LIMIT 350A2	1.
101149	2	LINK CONNECTING	1.
104271	3	BUSHING CLUTCH 350A-2	1.
104713	4	COLLAR 1 INCH SST	3.
106521	5	SPROCKET 5/8 B 8T	1.
106679	6	KEY 1/4 X 1/4 X 2 1/2	1.
107305	7	KEY 1/4 X 1/4 X 1 1/2	2.
107582	8	BOLT 3/8-16 X 2 HEX HEAD	<u> </u>
108434	9	SPROCKET CONVEYOR	2.
108870	10	SHAFT DRIVE 1 X 32 13/16 U	1.
109871	1 1	SCREW-SET 3/8-16UNCX1/2SOC	2.
109958	12	BEARING, UC DRIVE	2.
110076	13	BELT TENSIONER	1.
110204	14	MOTOR/RED.(RH) 1/2HP/MV/3	1.
110317	15	MOTOR 1/2HP/3 AC 1140RPM	1.
201976	16	SPROCKET 50-A-54 B/1.940	1.
310404	17	BRACKET, IDLER UC NG	1.



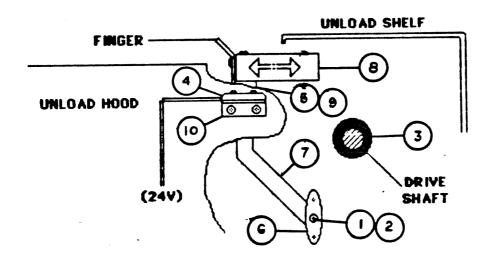


PART NUMBER 451398	ITEM NO	DESCRIPTION DRIVE INST C8 STD UCCNG/LR	QTY/PER
100485	0	CLUTCH TORQUE LIMIT 350A2	1.
101149	2	LINK CONNECTING	<u> </u>
104271	3	BUSHING CLUTCH 350A-2	1.
104713	4	COLLAR 1 INCH SST	3.
106521	5	SPROCKET 5/8 B 8T	1.
106679	6	KEY 1/4 X 1/4 X 2 1/2	1.
107305	7	KEY 1/4 X 1/4 X 1 1/2	2.
107582	8	BOLT 3/8-16 X 2 HEX HEAD	1.
108434	9	SPROCKET CONVEYOR	2.
108870	10	SHAFT DRIVE 1 X 32 13/16 U	1.
109871	11	SCREW-SET 3/8-16UNCX1/2SOC	2.
109958	12	BEARING, UC DRIVE	2.
110076	13	BELT TENSIONER	1.
110204	14	MOTOR/RED.(RH) 1/2HP/MV/3	1.
201976	16	SPROCKET 50-A-54 B/1.940	1.
310404	17	BRACKET, IDLER UC NG	1.

PART NUMBER 451399	ITEM NO	DESCRIPTION DRIVE INST C8 STD CWNG L-R	QTY/PER
100485	9	CLUTCH TORQUE LIMIT 350A2	1.
101149	2	LINK CONNECTING	1.
104271	3	BUSHING CLUTCH 350A-2	1.
104713	4	COLLAR 1 INCH SST	3.
106521	5	SPROCKET 5/8 B 8T	1.
106679	6	KEY 1/4 X 1/4 X 2 1/2	1.
107305	7	KEY 1/4 X 1/4 X 1 1/2	2.
107582	8	BOLT 3/8-16 X 2 HEX HEAD	1.
108434	9	SPROCKET CONVEYOR	3.
108868	10	SHAFT DRIVE 1 X 38 1/16 UC	1.
109871	1 I	SCREW-SET 3/8-16UNCX1/2SOC	2.
109958	12	BEARING, UC DRIVE	2.
110076	13	BELT TENSIONER	1.
110204	14	MOTOR/RED.(RH) 1/2HP/MV/3	1.
201976	16	SPROCKET 50-A-54 B/1.940	<u>l.</u>
310404	17	BRACKET, IDLER UC NG	1.



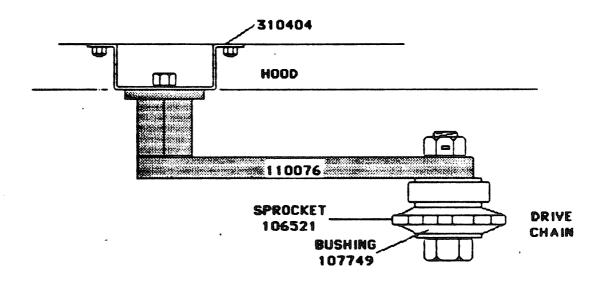
### CONVEYOR SHUT-OFF ASSY



PART NUMBER 451339	TTEM NO	DESCRIPTION CONV SHT OFF UC-C	QTY/PER
104266 104586	1 2	BEARING 3/8 X 3/4 X 3/8 COLLAR 3/8 INCH SST	2. 2.
109388	<u>2</u> 3	GROMMET UC	2.
109934	4	SWITCH (MAGNETIC-DOOR SFTY)	1.
109935	5	MAGNET (DOOR SAFETY)	1.
202393	6	FLANGE SEAL	2.
309736	7	FRAME CONV SHUT OFF UC-C	<u>l.</u>
309739	. 6	COVER CONV SHUT OFF UC-C	1.
309740	8	MAGNET BKT CONV SHUT OFF	1.
309753	10	BRACKET CONV SHT OFF SWITC	1.
PART NUMBER 451340	ITEM NO	DESCRIPTION CONV SHT OFF UC-CW	QTY/PER
451340 104266	·	CONV SHT OFF UC-CW BEARING 3/8 X 3/4 X 3/8	2.
451340 104266 104586	1 2	CONV SHT OFF UC-CW  BEARING 3/8 X 3/4 X 3/8  COLLAR 3/8 INCH SST	
104266 104586 109388	1 2 3	BEARING 3/8 X 3/4 X 3/8 COLLAR 3/8 INCH SST GROMMET UC	2. 2. 2.
104266 104586 109388 109934	1 2 3 4	BEARING 3/8 X 3/4 X 3/8 COLLAR 3/8 INCH SST GROMMET UC SWITCH(MAGNETIC-DOOR SFTY)	2. 2. 2. 1.
104266 104586 109388 109934 109935	1 2 3 4 5	BEARING 3/8 X 3/4 X 3/8 COLLAR 3/8 INCH SST GROMMET UC SWITCH(MAGNETIC-DOOR SFTY) MAGNET(DOOR SAFETY)	2. 2. 2. 1.
104266 104586 109388 109934 109935 202393	1 2 3 4 5	BEARING 3/8 X 3/4 X 3/8 COLLAR 3/8 INCH SST GROMMET UC SWITCH(MAGNETIC-DOOR SFTY) MAGNET(DOOR SAFETY) FLANGE SEAL	2. 2. 2. 1. 1. 2.
104266 104586 109388 109934 109935 202393 309729	1 2 3 4 5 6	BEARING 3/8 X 3/4 X 3/8 COLLAR 3/8 INCH SST GROMMET UC SWITCH(MAGNETIC-DOOR SFTY) MAGNET(DOOR SAFETY) FLANGE SEAL FRAME CONV SHT OFF UC-CW	2. 2. 2. 1. 1. 2.
104266 104586 109388 109934 109935 202393 309729 109738	1 2 3 4 5 6 7	BEARING 3/8 X 3/4 X 3/8 COLLAR 3/8 INCH SST GROMMET UC SWITCH(MAGNETIC-DOOR SFTY) MAGNET(DOOR SAFETY) FLANGE SEAL FRAME CONV SHT OFF UC-CW COVER CONV SHT OFF UC-CW	2. 2. 2. 1. 2. 1. 2.
104266 104586 109388 109934 109935 202393 309729	1 2 3 4 5 6	BEARING 3/8 X 3/4 X 3/8 COLLAR 3/8 INCH SST GROMMET UC SWITCH(MAGNETIC-DOOR SFTY) MAGNET(DOOR SAFETY) FLANGE SEAL FRAME CONV SHT OFF UC-CW	2. 2. 2. 1. 1. 2.

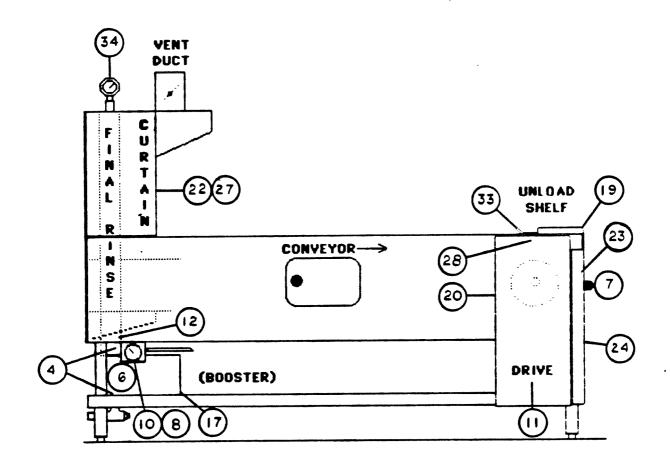


### DRIVE CHAIN TENSIONER





# UNLOAD SECTION







PART NUMBER 403984	item no	ITEM NO DESCRIPTION COMMON PARTS UNLOAD UCC NG	
100156	11	LOCKNUT 3/4 INCH BRASS	1.
100548	2	LOCKNUT 3/4	1.
104586	3	COLLAR 3/8 INCH SST	2.
105994	4	CLAMP HOSE 15MM-24MM	2.
107749	5	BEARING 1/2 X 5/8 X 1 FLG	1.
107935	6	TUBING 5/8ID X 15/160D 591	1.5
108966	7	HANDLE DOOR	2.
109812	8	GUAGE-PRESS.0-80PSI COMEND	1.
109814	9	ELBOW ME 1/4TUBE X 1/8NPT	1.
109816	10	OVERLAY PRESS GAUGE 20-30	1.
110164	11	SPROCKET 50B11 X 1 BORE	1.
304816	12	STRAINER 6 INCH DIA	1.
309344	13	BRACKET GUAGE UC B2 N.G.	1.
309362	14	BRACKET TRACK UC NG L/UL	2.
309398	15	STANCHION UNLOAD RH UC NG	1.
309399	16	STANCHION UNLOAD LH UC NG	1.
309610	17	WELDMENT, UC 15" WIREWAY	<u> </u>
309623	18	COVER.UC 15"WIREWAY	1.
309716	19	SHELF UNLOAD UCC NG	1.
309778	20	GUARD WELD., UC CHAIN	1.
309783	21	PLATE END WIREWAY UC	4.
309796	22	WELDMENT, 20" CANOPY UC-C	1.
309804	23	DOOR ACCESS END UCC NG	1.
309836	24	PANEL END SUPPORT UCC L/UL	1.
309837	25	BASE WLDMT DRIVE UCC NG	1.
310401	26	HOOD SUPPORT WELDMENT UCC	1.
310535	27	PLATE SIDE 20IN CANOPY	2.
310582	28	BRACKET, CHAIN GUARD-UC NG	1.
310583	2 9	BASE DECK WELD UCC NG	1.
311040	30	WDMT.F. RINSE BAFFLE RH CW	1.
311045	31	WDMT, F.RINSE BAFFLE LH C	<u>l.</u>
311089	32	DIVERTER WELD, UCC CONDENS.	1.
451346	33	CONVEYOR S/OFF SYS UCC NG	1.
600754	34	PIPING FINAL RINSE UC-C NP	1.

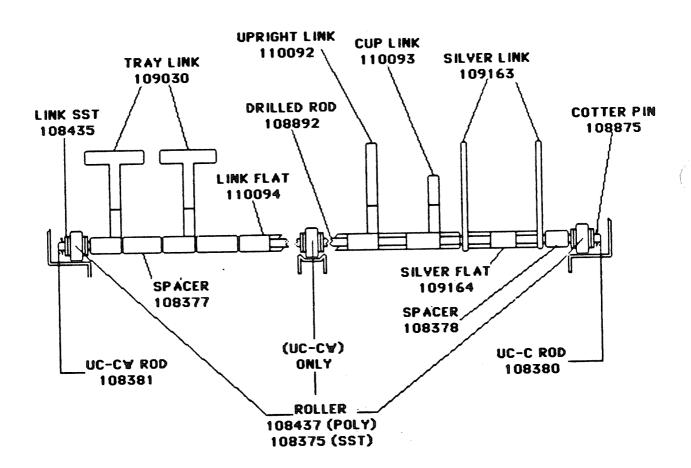




PART NUMBER 403983	ITEM NO	DESCRIPTION COMMON PARTS UNLOAD UCCWNG	QTY/PER
100156	1	LOCKNUT 3/4 INCH BRASS	1.
100548	2	LOCKNUT 3/4	1.
104586	3	COLLAR 3/8 INCH SST	<u> </u>
105994	4	CLAMP HOSE 15MM-24MM	2.
107749	5	BEARING 1/2 X 5/8 X 1 FLG	1.
107935	6	TUBING 5/8ID X 15/160D 591	1.5
108966	7	HANDLE DOOR	2.
109812	8	GUAGE-PRESS.0-80PSI COMEND	1.
109814	Ð	ELBOW ME 1/4TUBE X 1/8NPT	1.
<u> 109816                                     </u>	10	OVERLAY PRESS GAUGE 20-30	<u> </u>
110164	11	SPROCKET 50B11 X 1 BORE	1.
304816	12	STRAINER 6 INCH DIA	1.
309344	13	BRACKET GUAGE UC B2 N.G.	<u>l.</u>
309393	23	DOOR ACCESS END UCCW NG	<u> </u>
309398	15	STANCHION UNLOAD RH UC NG	1.
309399	16	STANCHION UNLOAD LH UC NG	1.
309427	22	WELDMENT 20" CANOPY UCCW	1.
309571	25	BASE WELD., UC-CW DRIVE	1.
309573	24	PANEL, UC-CW UL END SUPPORT	1.
309610	17	WELDMENT, UC 15" WIREWAY	1.
309623	18	COVER, UC 15"WIREWAY	1.
309715	19	SHELF UNLOAD UCCW NG	1.
309778	20	GUARD WELD., UC CHAIN	1.
309783	21	PLATE END WIREWAY UC	4.
310400	26	HOOD SUPPORT WELDMENT UCCW	1.
310535	27	PLATE SIDE 20IN CANOPY	2.
310582	28	BRACKET, CHAIN GUARD-UC NG	1.
310584	29	BASE DECK WELD UCCW NG	1.
311040	30	WDMT.F. RINSE BAFFLE RH CW	1.
311041	31	WDMT, F. RINSE BAFFLE LH CW	1
311090	32	DIVERTER WELD, UCCW CONDENS	1.
451345	33	CONVEYOR S/OFF SYS UCCW NG	1.
600753	34	PIPING FINAL RINSE UC-CWNP	1.



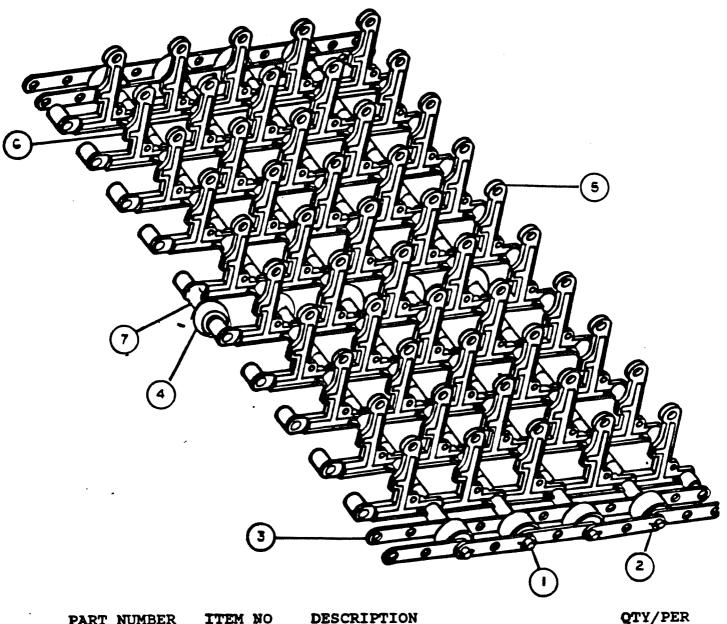
# POLY-PROPYLENE BELT PARTS



NOTE; COMBINATION BELT SHOWN FOR WASHING TRAYS, DISHES AND SILVERWARE. SILVERWARE DISCHARGE DETERMINES FRONT OR REAR OF BELT.



### POLY-PROPYLENE CONVEYOR BELT. 291/4" UC-CW SERIES



DESCRIPTION PART NUMBER ITEM NO CONVEYOR BELT PEG UC-CW 401817

1		BILL NOT VERIFIED	1.
109819	5	LINK UPRIT REPLACED 110092	.0
108381	1	ROD DRILLED 5/16 X 29 1/4	.0
108875	2	COTTER PIN 3/32 X 1/2 UNEV	.0
108435	3	LINK STRAIGHT END SST	.0
108437	4	ROLLER CONVEYOR, PLASTIC	.0
108438	6	SPACER 11/32 X 1 13/32	.0
108378	7	SPACER 11/32 X 5/16	0.0

**79** 



#### **HOT WATER SERVICE SOLENOID VALVES**

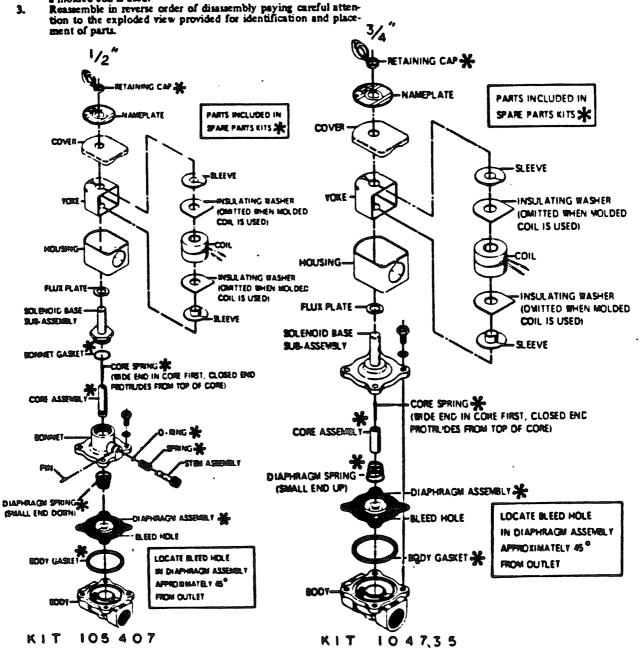
#### COIL REPLACEMENT

Turn off electrical power supply and disconnect coil lead wires. Proceed in the following manner:

A-C CONSTRUCTION (Alternating Current) - (See Figure 1)

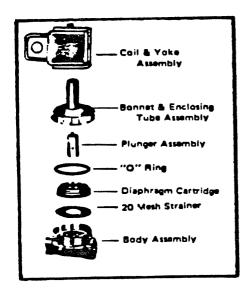
Remove retaining cap, nameplate and cover.

Slip yoke containing coil, sleeves and insulating washers off the solenoid base sub-assembly. Insulating washers are omitted when a molded coil is used.



Normally Closed Operation - A-C Construction - 3/8, 1/2 and 3/4 N.P.T. General purpose solvsoid enclosure shown.

# Champion The Dishwashing Machine Specialists



### KIT - 108512 COIL - 108516

Disassembly — These valves may be taken spart by unscrewing the bonnet and enclosing tube assembly from the valve body assembly. See Fig. 3. After unscrewing, carefully lift off the bonnet and enclosing tube assembly. Don't drop the plunger. The "O" ring seal and diaphragm cartridge can now be lifted out.

Be careful not to damage the machined faces while the valve is apart.

To Reassemble — Place the diaphragm cartridge in the body with the pilot port extension up. Hold the plunger with the synthetic seat against the pilot port. Make sure the "O" ring is in place, then lower the bonnet and enclosing tube assembly over the plunger. Screw bonnet assembly snugly down on the body assembly.

FIG. 3

#### 1" STEAM VALVE KIT - 108513 COIL - 108516

These valves have the plunger and diaphragm in separate enclesures. The diaphram is between the body and bennet.

To Remove the Diophrogm — Remove the socket head budy screws. (See Fig. 4) Next, carefully lift the bonnet assembly (upper part of the valve) off the body. The diaphragm assembly can then be removed. Be careful not to lose the diaphragm spring.

To Reassemble — Place the diaphragm in the body so that the guide sleeve enters the mating hole in the diaphragm edge and the large metal buffer plate is on top. Position diaphragm spring in the center of the buffer plate. Place the bonnet assembly in position on the body. Make sure that the guide sleeve (See Fig. 4) enters the matching hole in the bonnet assembly. Replace the socket head screws and tighten uniformly.

To Remove the Munger — First take off the coil assembly as outlined under "To Remove or Change the Coil" Remove the two small socket head screws which hold the enclosing tube to the bonnet. Then lift off the enclosing tube, being careful not to drop the plunger.

To Reassemble — Hold the plunger with its synthetic sent against the pilot port in the bonnet. Lower enclosing tube over the plunger making sure "O" ring seal is in place. Replace socket head screws and tighten uniformly. Reinstall coil assembly as outlined under "To Remove or Change the Coil".

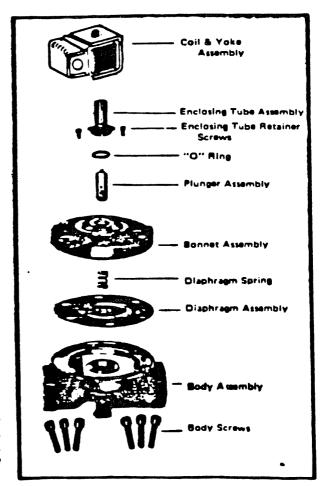
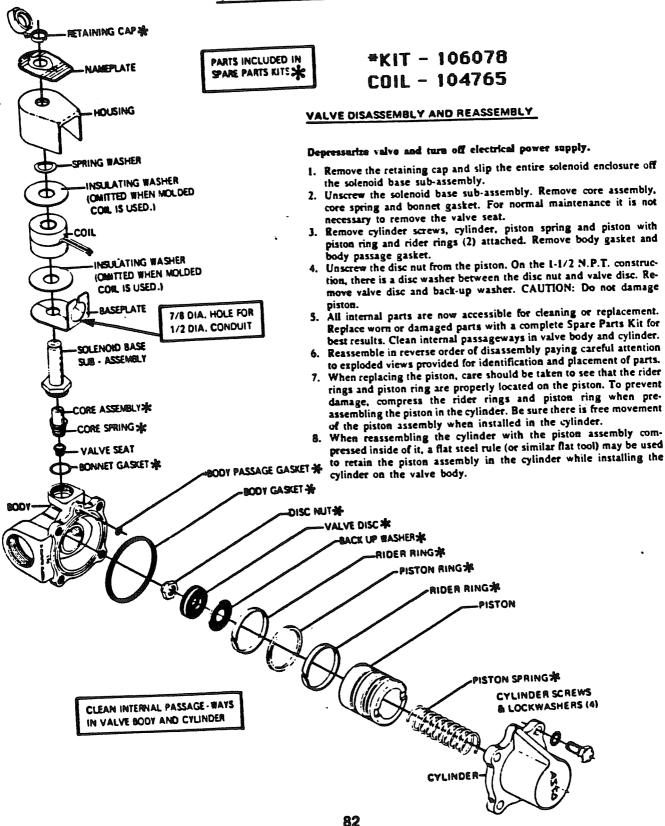


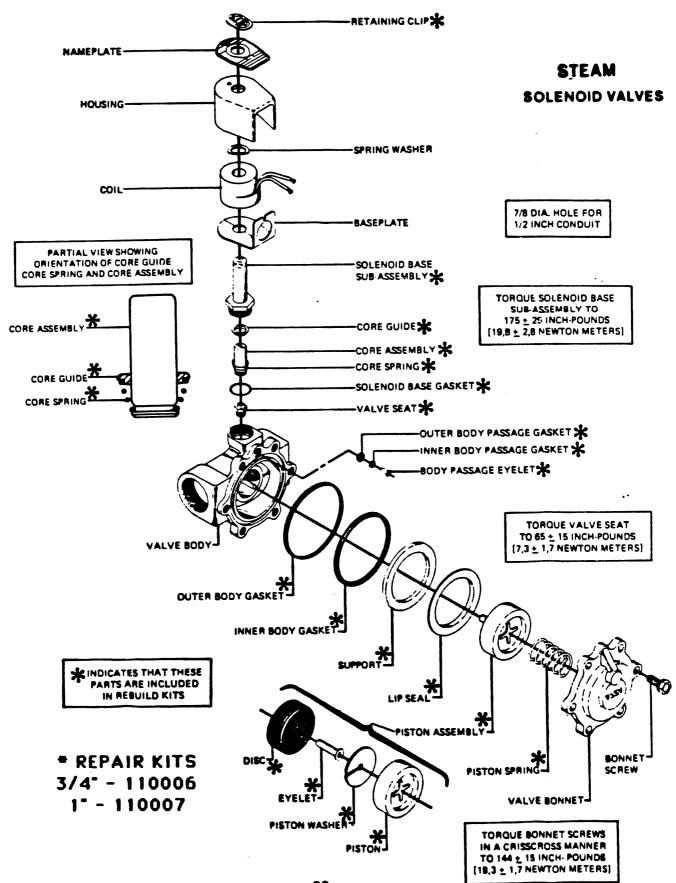
FIG. 4



### 1" HOT WATER SOL. VALVE



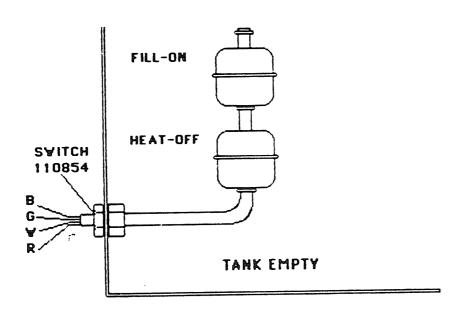
# Champion The Dishwashing Machine Specialists

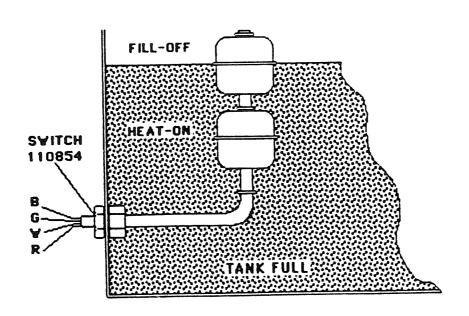


## AUTO FILL & LOW WATER CUT-OFF

Note, 24 volt system using transformer (108129)

(INSTALLED 11/15/88)





### MC-STRATS (N.G.) REVISIONS

OLD PART NO. 104421	DESCRIPTION	NEW PART NO.
104421	STRAINER, 1/2"	110293
104753	STRAINER 3/4"	110294
105992	CLAMP	105991
107090	TIMER, KIT	180153
107344	WASHÉR	107866
	TUBING	
107903	"0" RING	109985
108436	POLY LINK	109819
	VALVE 3/4	
108489		
109031	LINK,FLAT	110094
109032	BOOSTER,K-2	311653
109166	SCREW 8M TRUSS	110383
109819	POLY LINK	110092
110204	RH GEARBOX	110316
110205		
305894	RINSE PIPE	310534
305945		
305975		
401497	BELT, U.ROD	404114
401817	BELT, PEG	404104
401818		
401505	BELT, U.ROD	404106
401834	PUMP ASSY. 3HP	405933
402407	BOX & COVER	403279
403044	BELT	404107
	BELT	
403046		
403047		
403163		
403249		
403567		
403780		
403781		
403790		
403797		
403798		
403863	PUMP ASSY. 3HP	405922

ì

		( .
		4
		(
		(