



**Service
Parts**

500HT

**Simply
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EFFECTIVE AT SERIAL NUMBER 2548 (Rev. D) 0505499

MOYER DIEBEL LTD., P.O. Box 301, Jordan Station, Ontario L0R 1S0

416-562-4195 1-800-263-5798 FAX 416-562-4618

MOYER DIEBEL U.S., P.O. Box 4183, Winston-Salem, NC 27115

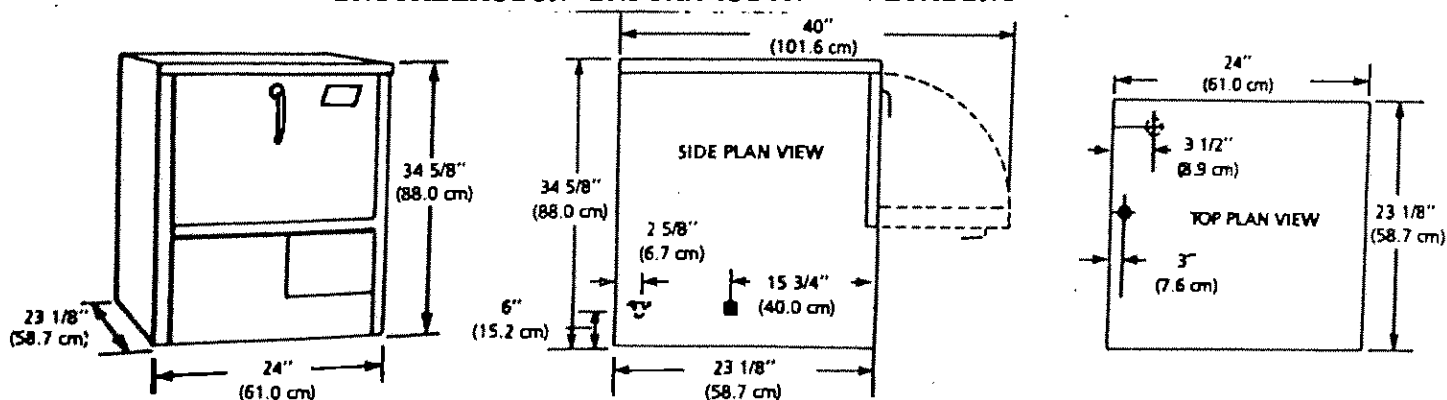
1-800-228-8350 1-919-723-2289 FAX 1-919-661-1979

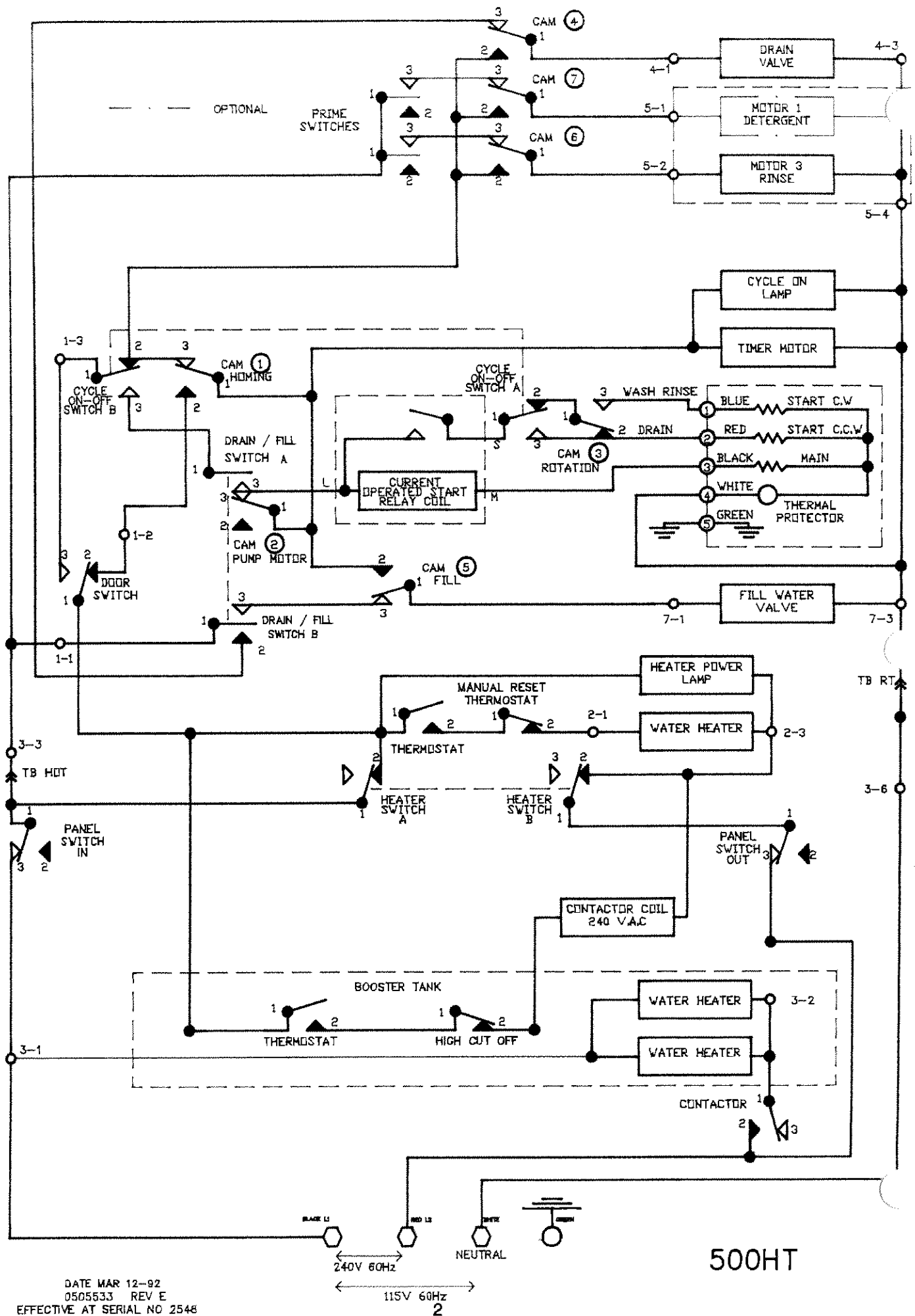


500HT SPECIFICATIONS

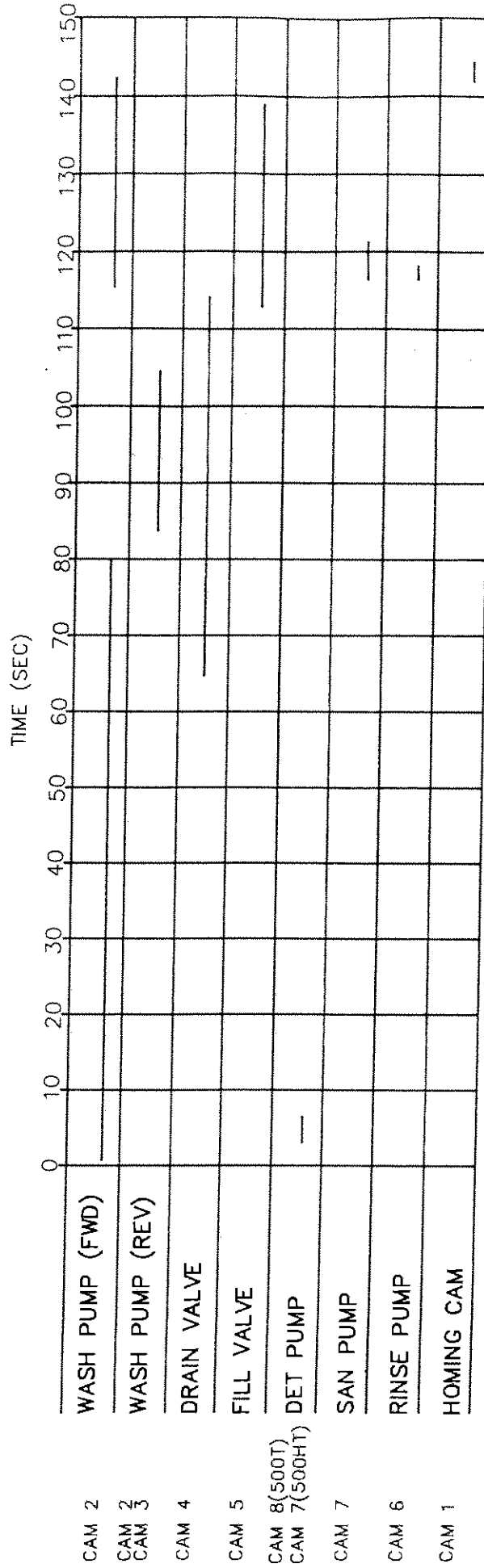
DIMENSIONS	A 34 5/8" (87.9 cm) B 24" (61.0 cm) C 23 1/8" (58.7 cm)
SHIPPING	198 lbs. crated (89.8 kg.)
WATER INLET	1/2" I.P.S. female
WATER REQUIREMENTS	Flow Rate - 3.3 Imp Gal 4 US Gal (13.6 L)/ min. Pressure - Min. 20 lbs., Max. 90 lbs. Temperature - Minimum 140 F (60 C).
ELECTRICAL REQUIREMENTS	115/208/240 Volts, 60 Hz Single Phase 3 Wire fused at 50 Amps Hard wiring required
MOTOR	1/2 H.P., 6.8 AMPS, 115 V, 60 Cycles, 1 Ph.
DRAIN	1 1/2" (3.8 cm) Tailpiece
WATER CONSUMPTION	Less than 7 quarts (8 litres) per Cycle.
HEATER	1200 Watts @ 240 V - Wash Tank Heater 2-3000 Watt @ 240 V - Booster Tank Heater
CYCLE	140 secs. automatic
CHEMICAL INJECTORS	Detergent - 450 cc/min. (Optional) Rinse - 40 cc/min. (Standard)
ACCESSORIES	One Plate Rack One Combination Rack - 19 3/4" x 19 3/4" (50.2 cm x 50.2 cm)

INSTALLATION INFORMATION - PLUMBING





030TCH



TOLERANCE		HOLE DIMENSIONS					ISSUED		MOYER DIEBEL LIMITED				
DECIMAL		A		F					REV	ECN	DESCRIPTION	BY	DATE
ANGLE		B											
SCALE		C		G									
FORMING DIMENSIONS ARE FROM BRAKELINE TO BRAKELINE UNLESS OTHERWISE NOTED		D		H									
		E		J									
							DR.	500T/HT TIMING CHART					
							CH.	DRAWING NO.					
							RTG.	030TCHT					

500HT WAREWASHER PREPARATION

The 500HT Warewasher must be installed on a level, rigid surface. Use the front leveling feet to ensure that the machine is level from front to back. Allowance is to be made for water and drain lines to the unit. When situated, the machine must be completely sealed to the floor using a good grade of silicone sealant.

Area allowance - Width 24" (61.0 cm)
Height 34 5/8" (87.9 cm)
Depth 23 1/8" (58.7 cm)

Remove the packing and dishware racks from the interior of the 500HT warewasher.

WATER

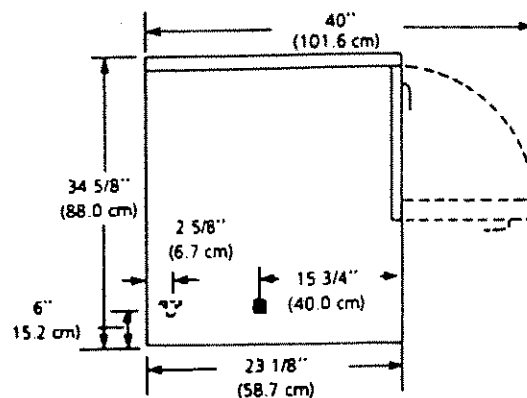
Install a shut off valve between the supply and the warewasher in an accessible location. Connect the 500HT Warewasher to the hot water supply. The incoming water temperature to the 500HT is to be 140 F (60 C) minimum and 160 F (71.1 C) maximum. Flow rate is 3.3 lmp gal., 4 US gal (15.1 L) per minute.

Flow Pressure - Minimum 20 psi
- Maximum 90 psi

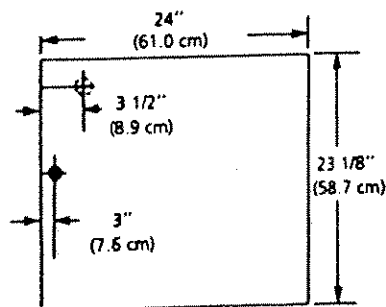
DRAIN

Connect to 1 1/2" (3.82 cm) tailpiece per local plumbing code. Removable access covers is located on left side of the 500HT for drain and water line connection. Drain piping must be installed lower than the drain tailpiece and properly sloped to provide gravity drainage.

SIDE PLAN VIEW



TOP PLAN VIEW



500HT WAREWASHER
ELECTRICAL

CAUTION: Plumbing connections must be made before power is connected to the machine. Damage to the booster heater elements will result otherwise.

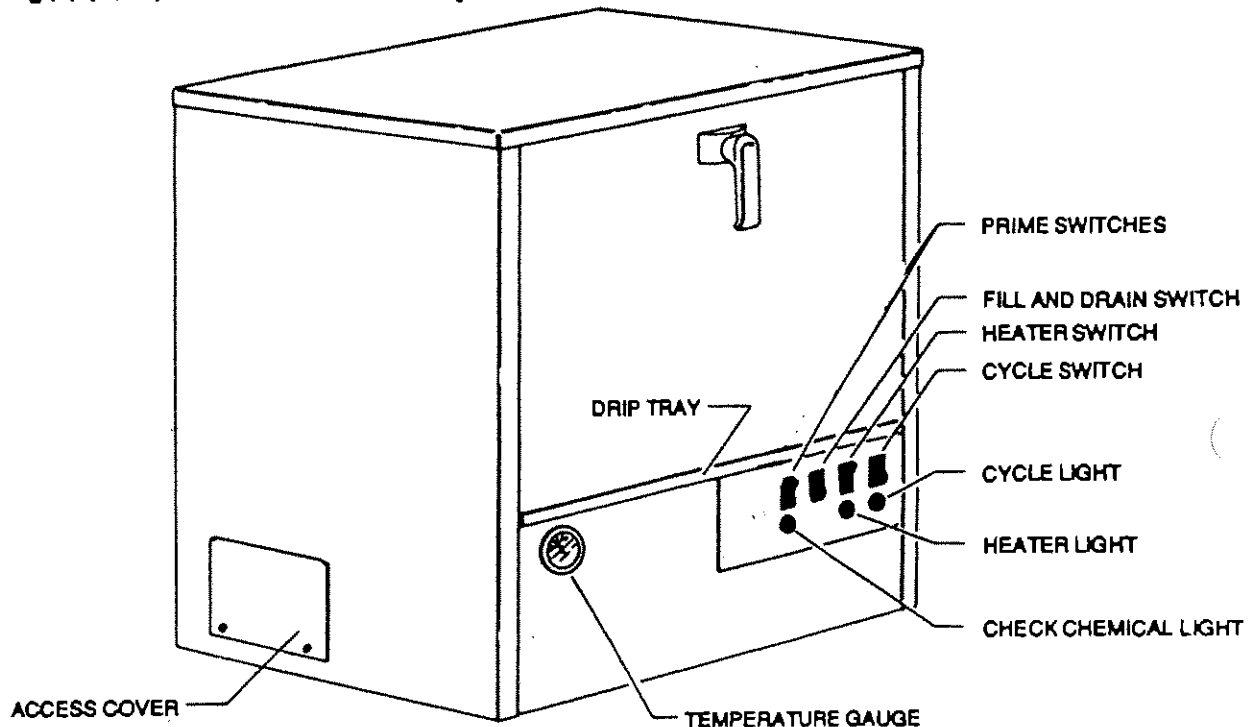
MAKE SURE THE HEATER SWITCH IS IN THE "OFF" POSITION. Damage to the booster heater elements will result otherwise. CONNECT ELECTRICAL POWER. 120/240 volt AC 4-wire 8 AWG line fused at 50 amps. Use wire rated for minimum 190°F/88°C service. PUSH FILL SWITCH TO FILL POSITION AND HOLD UNTIL THE BOOSTER TANK IS FULL.

Electrical connections should be made by a qualified electrician in accordance with local electrical codes.

OPERATING INSTRUCTIONS

1. Heater switch is "OFF"; cycle switch is "OFF".
2. Remove all packing material and dishracks from the interior of the warewasher.
3. Ensure screen assemblies are in their proper locations.
4. Place detergent (if equipped with optional liquid detergent feeder) and/or rinse feed lines in their respective product containers.
5. With the door open, turn on the power at the electrical panel or main disconnect box.
6. With the door open, prime each chemical until the fluid is seen dripping from the fill hole inside the machine (left side of wash compartment, above scrap screens).
7. Check "Chemical/Temperature" light; it should go out when booster tank reaches full operating temperature of 180°F/82.2°C and when optional detergent feeder is fully primed.
8. With the door open, press and hold the "FILL" switch until the water level covers the scrap screen assemblies in the wash area (see page 8).
9. Turn on the "HEATER" switch.
10. Turn on the "CYCLE" switch.
11. Pre-scrap or pre-flush all heavy soils from the dishes before loading them into the machine.
12. If not equipped with optional detergent feeder, add approximately one (1) Tablespoon powdered detergent into machine.
13. Load the pre-scraped dishware.

14. Closing the door will start the cycle, which is timed and automatic. There is a slight delay before the wash motor starts.
15. The amber cycle light will indicate that the warewasher is in cycle.
16. When the cycle light is "OFF", the cycle has been completed.
17. Open the door, and remove the clean dishware.
18. The door handle must be left in open position for 3 seconds to allow the automatic cycle to reset.



Note: After the initial fill, all following cycles are automatic, just load, close the door and place door handle in locked position to start cycle.

DRAINING THE MACHINE

1. Turn the "Start" switch to "Off".
2. Turn the "Heater" switch to "OFF".
3. Close the door.
4. Push the drain switch and hold until all of the water has been drained. This should take about 20 to 25 seconds.

500 HT

OPERATING AUTOMATIC DISHWASHERS

NOTE:

In order to provide consistant high quality dish washing this commercial dishwasher must be operated as follows:

TO START EACH DAY

1. Ensure that there is adequate supply of rince aid. (Jug in cupboard).
2. Heater switch and cycle/off switch will be in the off position.
3. With the door open, press and hold the fill switch until the water covers scrap screens.
4. Turn on the heater and cycle switches. Allow 15 minutes for dishwasher to come up to operating temperature. Temperature gauge should read between 140 - 150 degrees farenheit.
5. Cups should be loaded in the green peg rack only. Yellow rack is for cutlery.
6. Close the door and bring handle down into the verticle position. This will start the fully automatic timed cycle which will take 2 minutes 20 seconds.
7. When the right hand amber light goes off, the cycle is completed.
8. Open the door and remove the dishes.

NOTE:

After the initial fill, all following cycles are automatic. Leave heater and cycle switches on throughout the day. Just load, close the door and place door handle in verticle position to start following cycles.

AT THE END OF EACH DAY

1. Place the cycle/off switch in the off position.
2. Close and latch door.
3. Push and hold the drain switch to fully drain the machine. (This should take about 25 seconds).
4. Place the heater switch in the off position. (Must be in the off position overnight.)
5. Leave door fully open over night. (To air dry cavity) Do not close door with latch in verticle position

NOTE:

Occassionally check drip tray (under door) and empty as required.

NOTE:

Rinse aid dispensing is fully automatic however, when replacing a jug, insert dip tub in jug, press and hold the appropriate prime switch for approximately 25 seconds.

SAFETY FEATURES

The warewasher will not operate with the door open. Close the door and turn the handle down until it reaches the stop position.

500T/HT DAILY MAINTENANCE

Scheduled preventive maintenance practices will greatly increase the efficiency of your machine. A machine that is well maintained will not break down as frequently as one which receives only occasional care. A small investment of a few minutes each day will pay you dividends in the form of many trouble free hours of faithful service.

The best maintenance you can give your dishwashing machine is to keep it clean. By periodically cleaning and flushing the machine, you can add greatly to its life expectancy. The components of a machine that suffers from neglect will soon clog up and become inoperative.

CLEANING INSTRUCTIONS

1. Turn cycle switch off
2. Turn heater switch off
3. Press and hold drain button, MAKE SURE DOOR IS CLOSED, and the handle is in locked position. Hold drain button until wash well is empty (Approximately 20 to 25 seconds).
4. Release drain button, open door, remove wash arms, LH-RH scrap screen assy., and screen support assembly.
5. Empty and clean scrap screens, and screen support assembly. Failure to keep screens clean will result in poor wash results and could prevent proper draining during cycle.
6. Wash down the interior of the unit with a mild soap solution, flush and drain, then wipe down with a clean cloth.
7. Replace the screen support assembly, the scrap screens and the washarms. Do this in the order listed.
8. Close door, remove drip tray, clean and replace.
9. At the end of the work day, after completing steps 1 to 8 leave door partially open to allow the machine wash tank to air dry overnight.

NOTE: THE WASH TANK SHOULD BE LEFT EMPTIED OVER NIGHT.

DESCALING

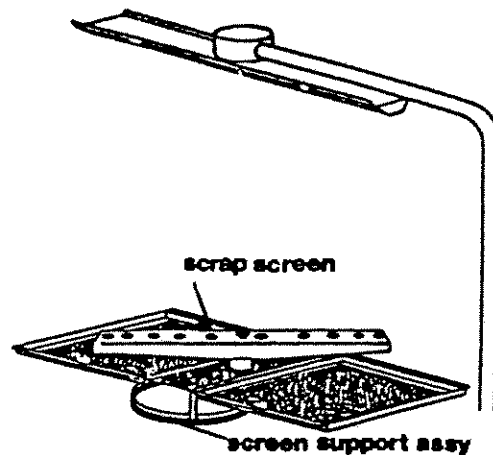
Descaling the warewasher interior may be necessary in areas with hard water. General descaling can be done by spraying a descaling chemical directly onto the scaled surface until the scale is removed, then flush with fresh water.

To descale the interior wash well, fill the wash well with fresh hot water to the normal water level or higher. Pour in the amount of descaler recommended by your chemical supplier (usual amount is 1 to 2 cups), and allow it to sit for no longer than half an hour. Drain, and flush with fresh hot water and drain again.

NOTE: Descaling chemicals are to be used with caution. Consult your chemical supplier for the proper use and handling instructions.

IMPORTANT

Do not operate the warewasher with the screen assemblies covered with food particles. Keep the screens clean. Pre-scrapping or pre-flushing of dishware to remove heavy, loose particles of food is recommended. Failure to keep screens clean will result in poor wash results and could prevent proper draining during cycle.



CHEMICAL INJECTORS

The built-in Chemical Injectors will provide accurate dispensing and reliable operation. (Detergent feeder optional).

It is recommended that fresh hot tap water be flushed through the chemical feed tubes once a week to prevent a chemical coating from forming inside the tubing.

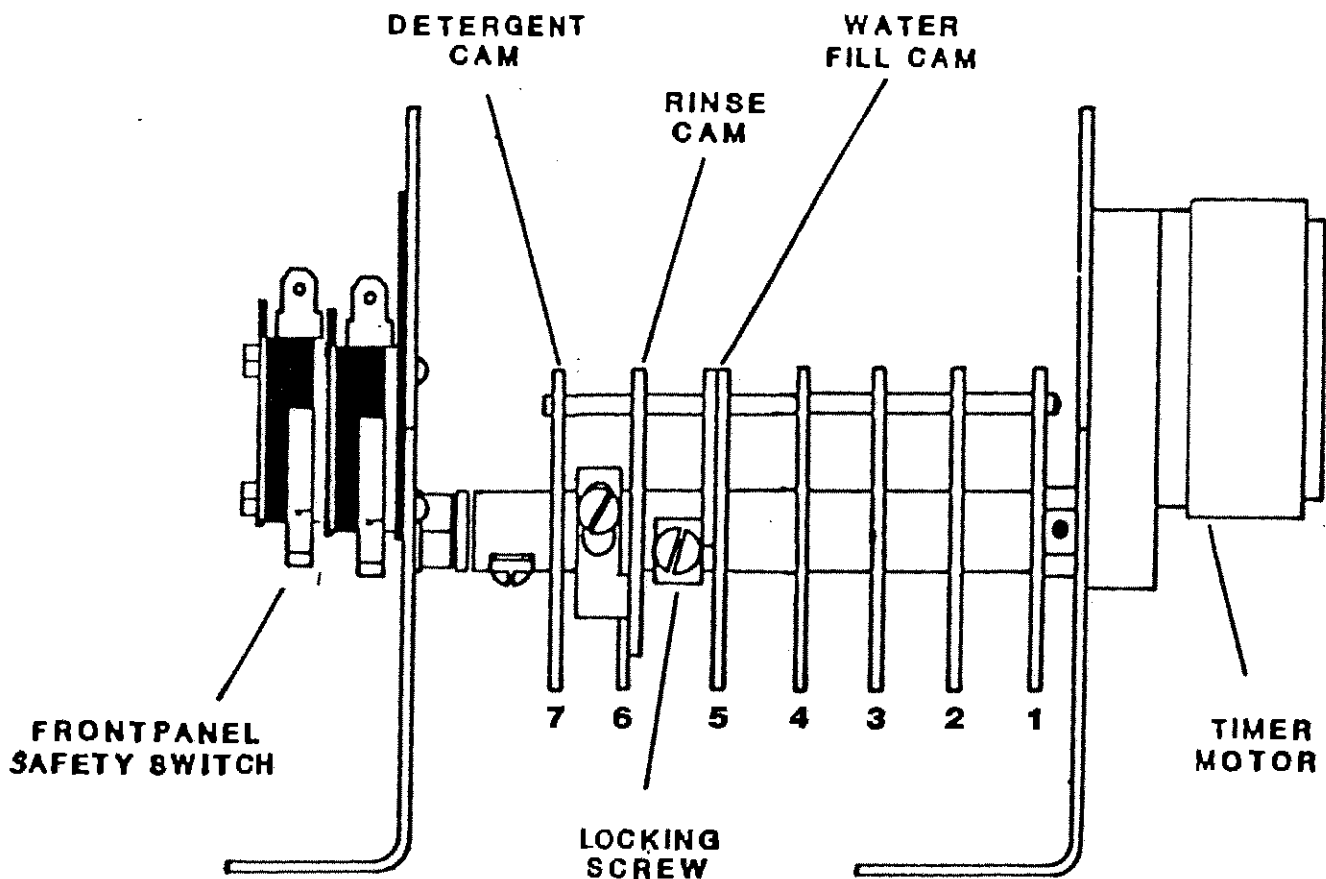
This is done by placing the tubes in a container of hot water and holding the respective prime switch until the chemical lines have been thoroughly flushed.

Visually inspect the hoses for possible leaks. If the hoses are in need of repair, contact your authorized service agent. Return the chemical feed lines to their proper chemical container and reprime them with chemical as described in step 6, on page 4.

500HT WAREWASHER CHEMICAL SETTINGS

To adjust the chemical concentration, do the following:

1. Remove the drip tray.
2. Remove the top left hand screw from the control box to allow the front panel to hinge forward.
3. Rotate the cam st by pushing the top of the cams towards the back of the warewasher until the locking screws onthe adjustable cams are accessible.
4. Loosen the screw for the chemical to be adjusted and increase or decrease the gap as desired.
5. Tighten the locking screw.
6. Replace the front panel mounting screw and the drip tray.
7. Operate the machine.



500HT
TROUBLE SHOOTING

1. WAREWASHER WILL NOT OPERATE

CAUSE	REMEDY
1. Power cord not plugged into power outlet	1. Plug into outlet.
2. No power.	2a. Check main "POWER" switch is in "ON" position. b. Check electrical panel for blown fuse or tripped circuit breaker.
3. Door not closed.	3. Ensure door is closed and door handle is turned down until it reaches stop position. Check door locking cam is properly positioned and secured to door handle shaft.
4. Door switch out of adjustment or defective.	4. Reposition switch or replace handle.
5. Cycle not resetting.	5a. Unlatch door handle for full seconds to allow cycle timer to reset. b. Replace homing cam switch. c. Loose set screw on cam assy. - tighten screw d. Defective door switch - replace e. Defective cycle switch - replace

2. WASH WELL UNDERFILLS

CAUSE	REMEDY
1. Fill cam #5 on timer control shift out of adjustment.	1. Reset fill cam to provide proper time to fill to screen level.
2. Insufficient water pressure	2. Check water line pressure. Ensure recommended flow rate and pressure is provided.
3. Defective solenoid coil.	3. Replace the coil.
4. Filter screen in the solenoid plugged.	4. Clean the screen.

5. Defective water switch on timer.

5. Replace the switch.

6. Drain solenoid valve leaking.

6. Clean debris from valve seat or replace drain solenoid.

3. WASH WELL OVERFILLS

CAUSE

REMEDY

1. Screen assemblies covered with foreign matter preventing complete removal of wash water during drain cycle.

1. Keep screen assemblies clean at all times.

2. Fill cam #5 on timer out of adjustment.

2. Reset fill cam to provide proper time to fill to screen assemblies.

3. Pump plugged with foreign matter.

3a. Clean out wash well and pump.
b. Clean pump intake screen.

4. Drain solenoid blocked or not opening.

4. Clean obstruction or replace drain solenoid.

5. Main drain piping blocked.

5. Have piping unplugged.

4. WASH WELL DOES NOT DRAIN PROPERLY

CAUSE

REMEDY

1. Manual drain switch or pump motor cam switch in control panel faulty.

1. Replace the defective switch.

2. Pump plugged with foreign matter.

2. Remove foreign matter from pump intake screen and/or pump assy.

3. Defective pump impeller.

3. Replace the impeller.

4. Defective pump motor.

4. Replace the motor.

5. Screen assemblies covered with foreign matter preventing wash water return to pump.

5. Keep screen assemblies clean at all times.

6. Main drain plugged.

6. Clear obstruction from drain.

- | | |
|-----------------------------------|--|
| 7. Drain solenoid will not open. | 7a. Solenoid coil defective - replace
b. Solenoid power cord unplugged - plug into rear of control box - replug.
c. Drain arm broken or disconnected - replace drain valve assembly. |
| 8. Drain solenoid will not close. | 8a. Drain mechanism jammed with soils - clean.
b. See 7c. |
| 9. Drain hose blocked or kinked | 9. Replace hose |

5. WASH WELL CONTINUALLY FILLS WHEN UNIT IS NOT OPERATING

CAUSE

REMEDY

- | | |
|--|--|
| 1. Dirt under seat of solenoid or worn seat. | 1. Clear seat of obstruction, replace solenoid valve if necessary. |
| 2. Manual fill switch defective | 2. Replace manual fill switch. |

**6. WASH WATER BELOW MINIMUM RECOMMENDED TEMPERATURE
(140 F - 60 C)**

CAUSE

REMEDY

- | | |
|--|--|
| 1. Thermostat set too low. | 1. Increase temperature by turning thermostat control clockwise. |
| 2. Defective thermostat. | 2. Replace the thermostat. |
| 3. Defective heater. | 3. Replace the heater. |
| 4. Manual reset tripped on wash tank limit thermostat. | 4. Push reset button on thermostat. |
| 5. Water supply temperature from the hot water tank too low. | 5a. Hot water tank too small - replace with properly sized tank.
b. Thermostat control on hot water tank set too low - adjust to correct setting.
c. Heater element in hot water tank defective - replace element. |

7. CHEMICAL NOT FEEDING

CAUSE

1. No chemical in container.
2. Feed lines to and from chemical pump plugged.
3. Screen on feed line plugged.
4. Chemical feeder defective.
5. Defective injector pump.
6. Chemical feeder system system not plugged into electrical receptacle.
7. Tubing kinked or split.
8. Worn Rotor
9. Element tube split or loose hose clamps or ties.

REMEDY

1. Replace with full container.
2. Clear obstruction, flush lines with hot water.
3. Clean.
4. Repair or replace chemical feeder
5. Repair or replace the pump.
6. Plug in.
7. Unkink tubing or replace.
8. Replace rotor
9. Replace element tube

8. DISHES DO NOT WASH PROPERLY

CAUSE

1. Improper concentration or type of detergent being used in wash well.
2. Overloading of dishware in dishrack.
3. Insufficient water in wash well.
4. Wash arms not turning.

REMEDY

1. Check with a qualified product representative for proper concentration and type of product to be used for local water conditions. Wash well holds 7 qts. (8 L) of water when at screen assembly level.
2. Space dishware in dishrack allowing room for water to circulate through dishware.
- 3a. Re-adjust fill cam to bring level to screen assemblies.
b. Check line flow rate and pressure.
4. Remove obstruction such as cutlery or clean spray nozzles and sprayarm support.

- | | |
|--|---|
| <p>5. Pump not operating.</p> <p>6. Defective pump impeller.</p> <p>7. Defective pump motor.</p> <p>8. Wash water temperature too low.</p> | <p>5. Ensure that snap type electrical connector is secure.</p> <p>6. Replace the impeller.</p> <p>7. Replace the pump motor.</p> <p>8a. Must be not less than 140 F (60 C) and not higher than 160 F (71.1 C) for best wash results.</p> <p>b. Check wash tank heater is switched "ON" and thermostat is properly set.</p> <p>c. Wash tank thermostat is defective - replace.</p> <p>d. Booster not providing 180 F water. Check booster. See Section 9.</p> <p style="padding-left: 40px;">If capacity insufficient, install the correct size hot water tank.</p> |
| <p>9. Worn sprayarm locator.</p> | <p>9. Loss of wash water pressure due to worn spray arm locator - replace locator.</p> |
| <p>10. Pump intake or scrap screens blocked.</p> | <p>10. Clean pump intake screen and scrap screens.</p> |
| <p>11. Lime scale build up</p> | <p>11. Descale warewasher regularly using the proper descaling chemical. Contact your chemical supplier for the proper product and use directions.</p> |
| <p>12. Rinse water below 180 F. minimum required temperature.</p> | <p>12a. Heater elements defective - replace</p> <p>b. Thermostat improperly set - adjust.</p> <p>c. Thermostat defective - replace</p> <p>d. High temperature cut-off thermostat defective - replace</p> <p>e. No power to booster - check circuit breaker OR check for loose connection OR check for broken wire.</p> |
| <p>13. Warning light/buzzer activating.</p> | <p>13a. Booster temperature too low - check Troubleshooting #8-12.</p> <p>b. Temperature sensor defective - replace.</p> <p>c. Optional detergent feeder system problem - check Troubleshooting #7-1 to 7.</p> |

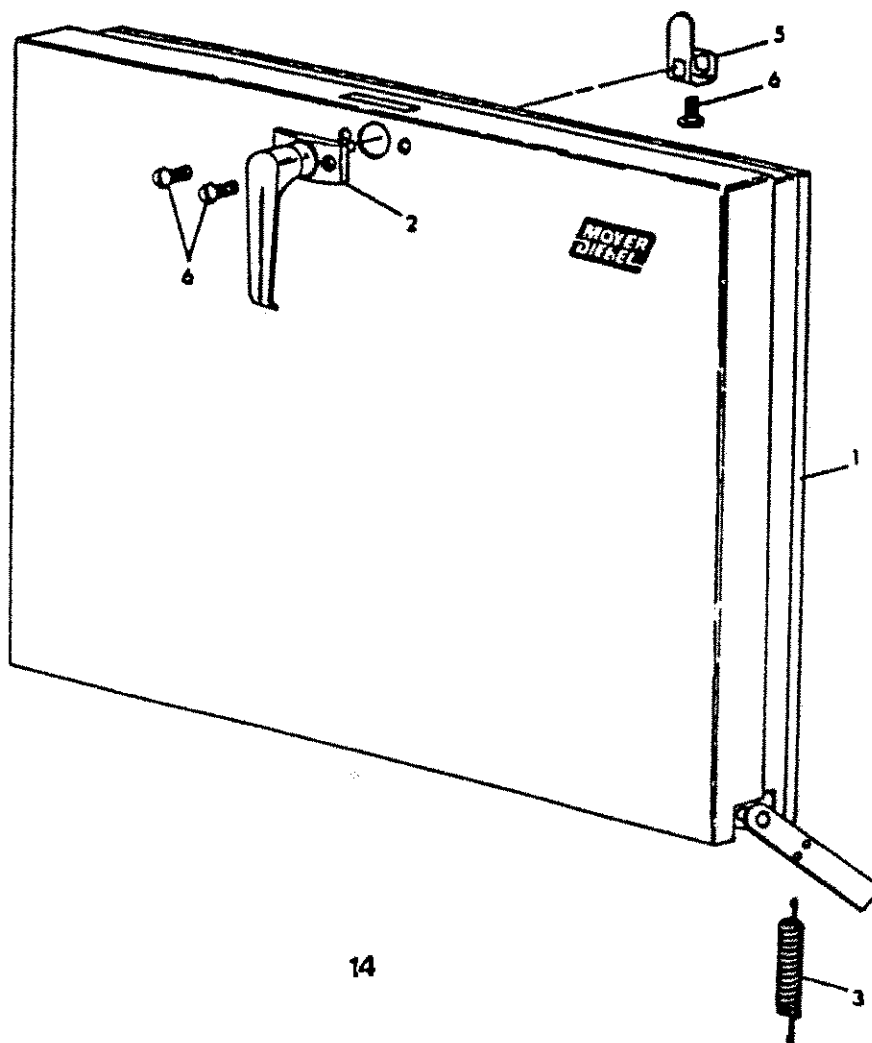
500TM2 & HT DOOR COMPLETE

PLATE 3133

1.	0700308	1	DOOR WELDED ASSEMBLY
2.	0501922	1	DOOR HANDLE
3.	0503715	2	DOOR EXTENSION SPRING
5.	0307358	1	DOOR CAM ASSEMBLY
6.	0501413	3	#10-32 x 3/8" RH SS MC SCREW

PLATE 3133

DOOR COMPLETE



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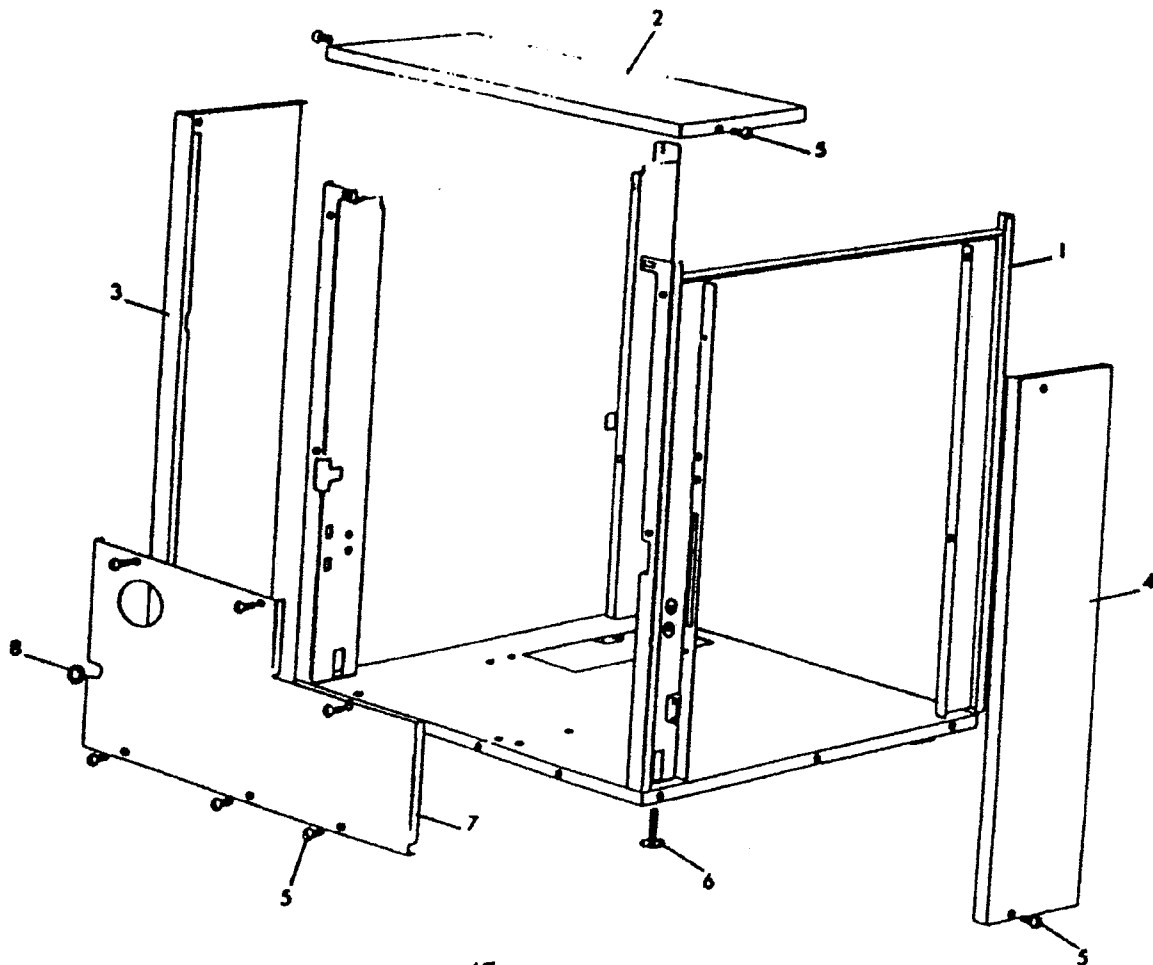
500TM2 & HT FRAME COVER

PLATE 3134

1.	0705516 N/A	1	FRAME WELDED ASSEMBLY
2.	0306141 N/A	1	TOP TRIM
3.	0306140 N/A	1	LH SIDE TRIM
4.	0306139 N/A	1	RH SIDE TRIM
5.	0501412	22	#10-32 x 3/8" SS SCREW
6.	0503718	2	ADJUSTING FOOT
7.	0305066	1	FRONT PANEL
8.	0503716	1	GROMMET
9.	0705825	1	TOP PANEL (OPTIONAL) (NOT SHOWN)
10.	0705827	1	RH SIDE PANEL (OPTIONAL) (NOT SHOWN)
11.	0705826	1	LH SIDE PANEL (OPTIONAL) (NOT SHOWN)

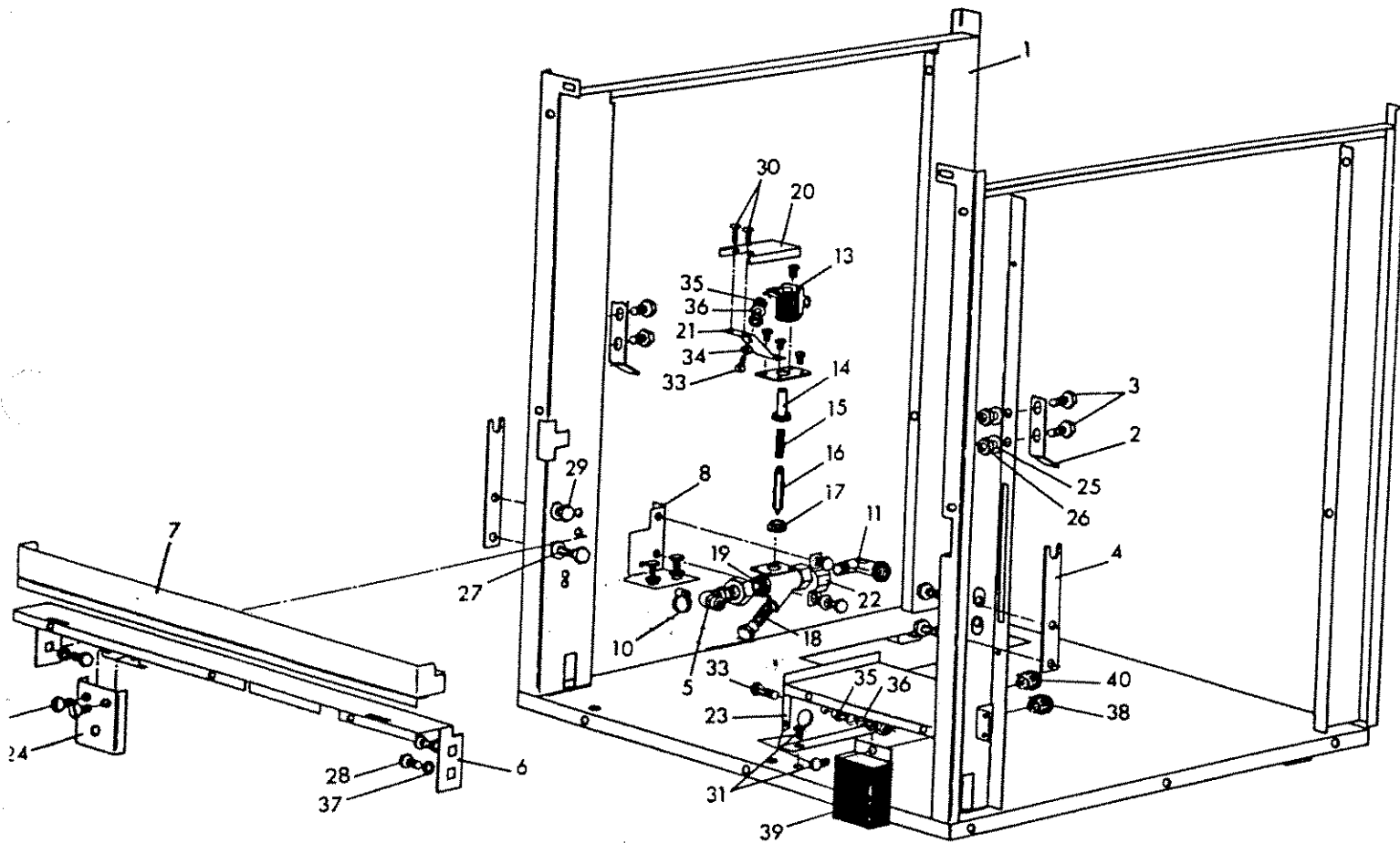
FRAME COVER

PLATE 3134



500HT FRAME**PLATE 3136**

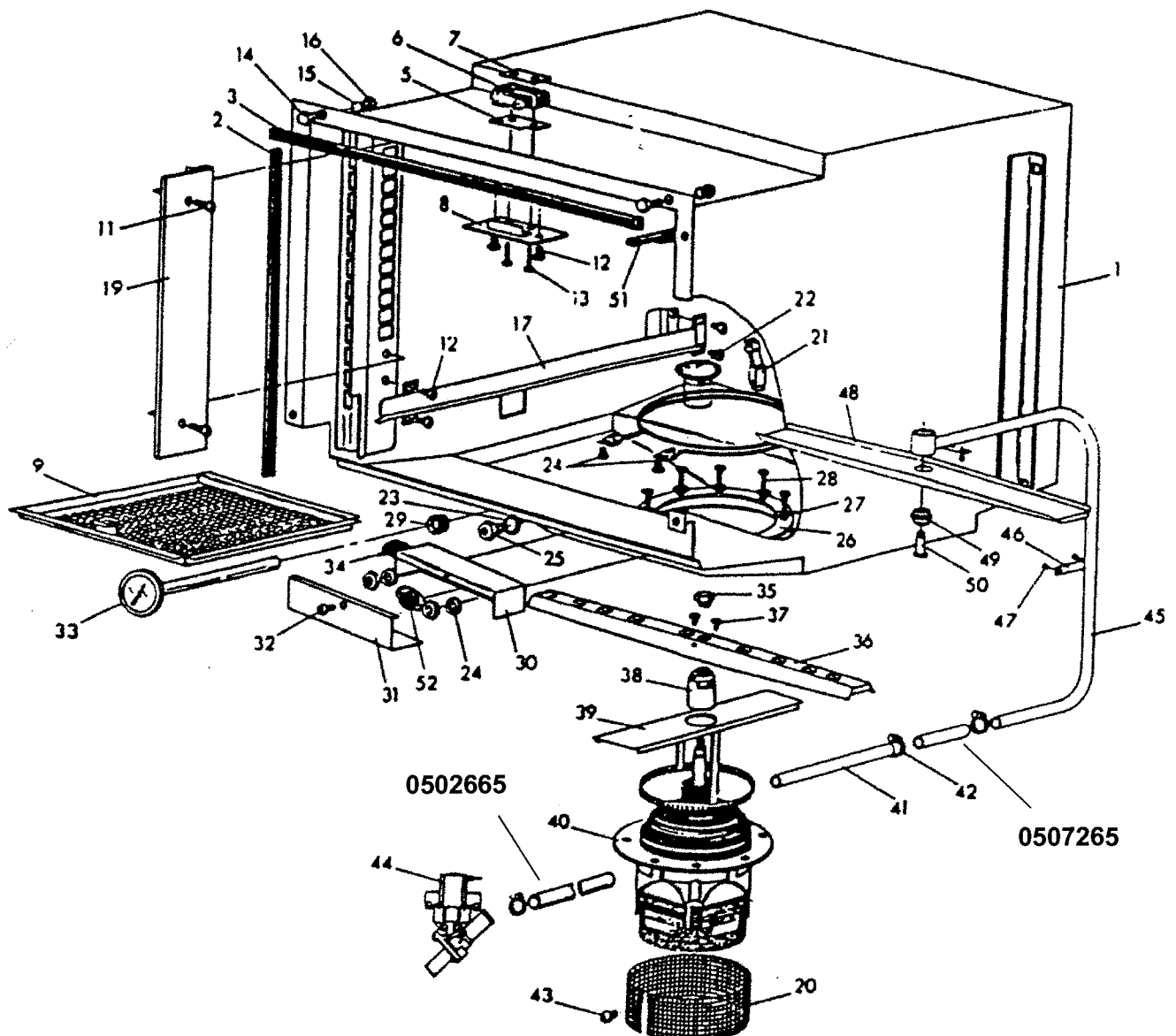
1.	0705516 N/A	1	FRAME WELDED ASSEMBLY
2.	0300067	2	DOOR STOP
3.	0501419	4	1/4-20 x 1/2 HEX SS SCREW
4.	0300069	2	HINGE BAR
5.	0502618	1	3/8 MPT x 1/2 COUPLER
6.	0705484	1	TRAY SUPPORT ASSEMBLY
7.	0705479	1	DRIP TRAY ASSEMBLY
8.	0300065	1	VALVE SUPPORT
10.	0503679	3	7/16 SS GEARTYPE CLAMP
11.	0503713	1	REDUCING ELBOW 1/2 FPT x 3/8 MPT
12.	0504952	1	115V SOLENOID VALVE, 5GPM
<u>INCLUDES ITEMS 13-19</u>			
13.	0505235	1	COIL 115V, 60 HZ
14.	0505229	1	SOLENOID GUIDE
	0502811	1	REPAIR KIT
<u>INCLUDES ITEMS 15-17</u>			
15.		1	SPRING
16.		1	PLUNGER
17.		1	DIAPHRAGM
18.	0502803	1	SCREEN
19.	0504958	1	FLOW WASHER 5 GPM
20.	0306208	1	CABLE CLAMP
21.	0307373	1	CABLE CLAMP BRACKET
22.	0300203	1	CLAMP
23.	0705543	1	CONNECTION BOX
24.	0305096	1	THERMO ADJUST BRACKET
25.	0501501	8	1/4 LOCKWASHER SS
26.	0501539	4	1/4-20 HEX NUT SS
27.	0501496	4	5/16 LOCKWASHER INT TOOTH
28.	0501424	8	1/4-20 x 3/8 HEX SS SCREW
29.	0503724	4	5/16-18 x 5/8 HEX SS SCREW
30.	0501406	2	#8-32 x 1/2 SS SCREW
31.	0504538	9	#10-32 x 5/16 SCREW
32.	0501408	2	#8/32 x 1/4 SS SCREW
33.	0501403	1	#10-32 x 3/4 RH BRASS SCREW
34.	0501493	1	#10 LOCKWASHER BRONZE
35.	0501533	2	#10-32 HEX NUT - BRASS
36.	0501472	2	#10 FLAT WASHER - BRASS
37.	0501476	4	1/4 FLAT WASHER - SS
38.	0300084	1	NUT PLATE 8-32 (NOT SHOWN)
39.	0503656	1	3/8 SNAP BUSHING (NOT SHOWN)
40.	0505506	1	FILL VALVE HARNESS (NOT SHOWN)
41.	0300084	1	NUT PLATE 8-32 TAP (NOT SHOWN)
42.	0503656	1	3/8 SNAP BUSHING (NOT SHOWN)



1.	0705537	N/A	1	TANK WELDED ASSEMBLY
2.	0503717		2	DOOR SIDE GASKET 19" LONG
3.	0501882		1	DOOR TOP GASKET 20 5/8" LONG
4.	0503727		1	DOOR SWITCH HARNESS (NOT SHOWN)
5.	0300132		2	DOOR SWITCH INSULATION
6.	0501382		1	DOOR SWITCH
7.	0502977		1	NUT PLATE
8.	0300073		1	SWITCH PLATE
9.	0705487		2	RH & LH SCREEN FRAME ASSEMBLY
11.	0501415		4	#10-32 x 5/8 SS SCREW
12.	0501412		8	#10-32 x 3/8 SS SCREW
13.	0503723		2	#6-32 x 1" SS SCREW
14.	0501419		6	1/4-20 x 1/2 HEX SS SCREW
15.	0501501		6	1/4 LOCKWASHER - SS
16.	0501539		6	1/4-20 HEX NUT - SS
17.	0700079		1	LH SLIDE ASSEMBLY
18.	0700080		1	RH SLIDE ASSEMBLY (NOT SHOWN)
19.	0700311		2	VENT COVER ASSEMBLY
20.	0704892		1	SCREEN MOTOR GUARD ASSEMBLY
21.	0703373		1	SPRING CLIP ASSEMBLY
22.	0700006		1	COVER ASSEMBLY
23.	0501836		1	"O" RING
24.	0504601		1	HEATER 1200 W. 240 V. 500HT (ONLY)
	0501331		1	HEATER 750 W. 120 V. 500TM2 (ONLY)
25.	0501650		1	FLOW METER ADAPTER
26.	0501881		1	MOULDED GASKET
27.	0300033		8	WASHER
28.	0501425		8	#8-32 x 5/8 SS SCREW
29.	0501896		1	THERMOMETER SEAL
30.	0305097		1	HEATER BOX
31.	0300061		1	HEATER COVER
32.	0501564		1	#8 x 3/8 SCREW
33.	0504602		1	THERMOMETER 2" DIAL, 12" STEM
34.	0503574		1	STRAIN RELIEF BUSHING - SMALL
35.	0501684		1	SPRAYARM LOCK NUT
	0705486		1	LOWER SPRAYARM ASSEMBLY
		<u>INCLUDES ITEMS 36-38</u>		
36.	0705049		1	BOTTOM SPRAYARM
37.	0501563		2	#8 x 3/8 TH SLOT TYPE "A"
38.	0505044		1	BOTTOM SPRAYARM SUPPORT
39.	0707602		1	SCREEN SUPPORT ASSEMBLY
40.	0710070		1	VERTICAL PUMP 115V 60HZ
	INCLUDES 0501358			START RELAY
41.	0305495		1	CONNECTION TUBE
42.	0503679		2	7/16 SS GEAR CLAMP
43.	0501565		1	#10 x 3/8 SCREW
44.	0306618		1	DRAIN VALVE - TAPPED
45.	0705041		1	TOP MANIFOLD ASSEMBLY
46.	0305051		1	MANIFOLD CLIP
47.	0501412		4	#10-32 x 3/8 SS SCREW
	0705507		1	UPPER SPRAYARM ASSEMBLY
		<u>INCLUDES ITEMS 48-49</u>		
48.	0705047		1	UPPER SPRAYARM WELDED
49.	0505043		1	UPPER SPRAYARM SUPPORT
	0501563		2	#8 x 3/8 TH SLOT
50.	0505042		1	UPPER SPRAYARM PIVOT
51.	0505485		2	STEAM GASKET
52.	110562		1	WASH TANK LIMIT THERMOSTAT
53.	0305067		1	RH SCREEN SUPPORT (NOT SHOWN)
54.	0507097		1	HEATER HARNESS (NOT SHOWN)

TANK

PLATE 3137

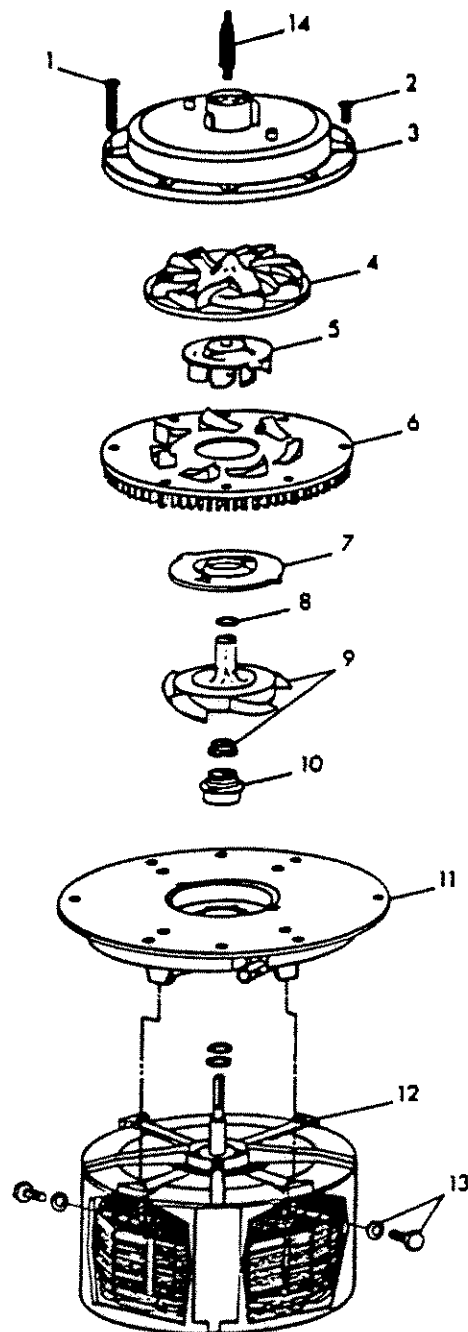


500TM2 & HT VERTICAL PUMP
PLATE 3138

	0710070	1	VERTICAL PUMP 115 V, 60 HZ
		<u>INCLUDES ITEMS 1-15</u>	
1.	0501431	4	#8-32 x 1 1/8 SS SCREW
2.	0501425	4	#8-32 x 5/8 SS SCREW
3.	0506186	1	UPPER PUMP HOUSING
4.	0502741	1	DIFFUSER
5.	0502704	1	IMPELLER
6.	0502746	1	SUCTION & ADAPTOR PLATE
7.	0502745	1	DRAIN INLET PLATE
8.	0502703	1	"O" RING SEAL
9.	0502744	1	DRAIN PROPELLER & ROTATING SEAL
10&11	0502743	1	LOWER PUMP HOUSING & SEAL ASSEMBLY (INCLUDES ITEM 9)
12.	MOTOR N/A		REPLACEMENT USE 0710070
13.	0501457	OBSOLETE	#10-24 x 7/8 HEX PHILLIPS C/W SPLIT LOCKWASHER
14.	0501659	1	SPRAY ARM PIVOT
15.	0501358	1	START RELAY (NOT SHOWN)
	0508665	8	#10-32 x 5/8 SS HEX WASHER HEAD (NOT SHOWN)
	0508570	8	TEFLON WASHER (NOT SHOWN)
	0501881	1	MOULDED GASKET (NOT SHOWN)
	0505530	1	HARNESS, WASH PUMP (NOT SHOWN)
	0707619		PUMP SERVICE KIT
		<u>INCLUDES</u>	
	0502742		UPPER HOUSING - NO HOLE (NOT SHOWN)
	0506186		UPPER HOUSING - 5/8" HOLE
	0502741		DIFFUSER
	0502746		SUCTION & ADAPTER PLATE
	0502745		DRAIN INLET PLATE

VERTICAL PUMP

PLATE 3138

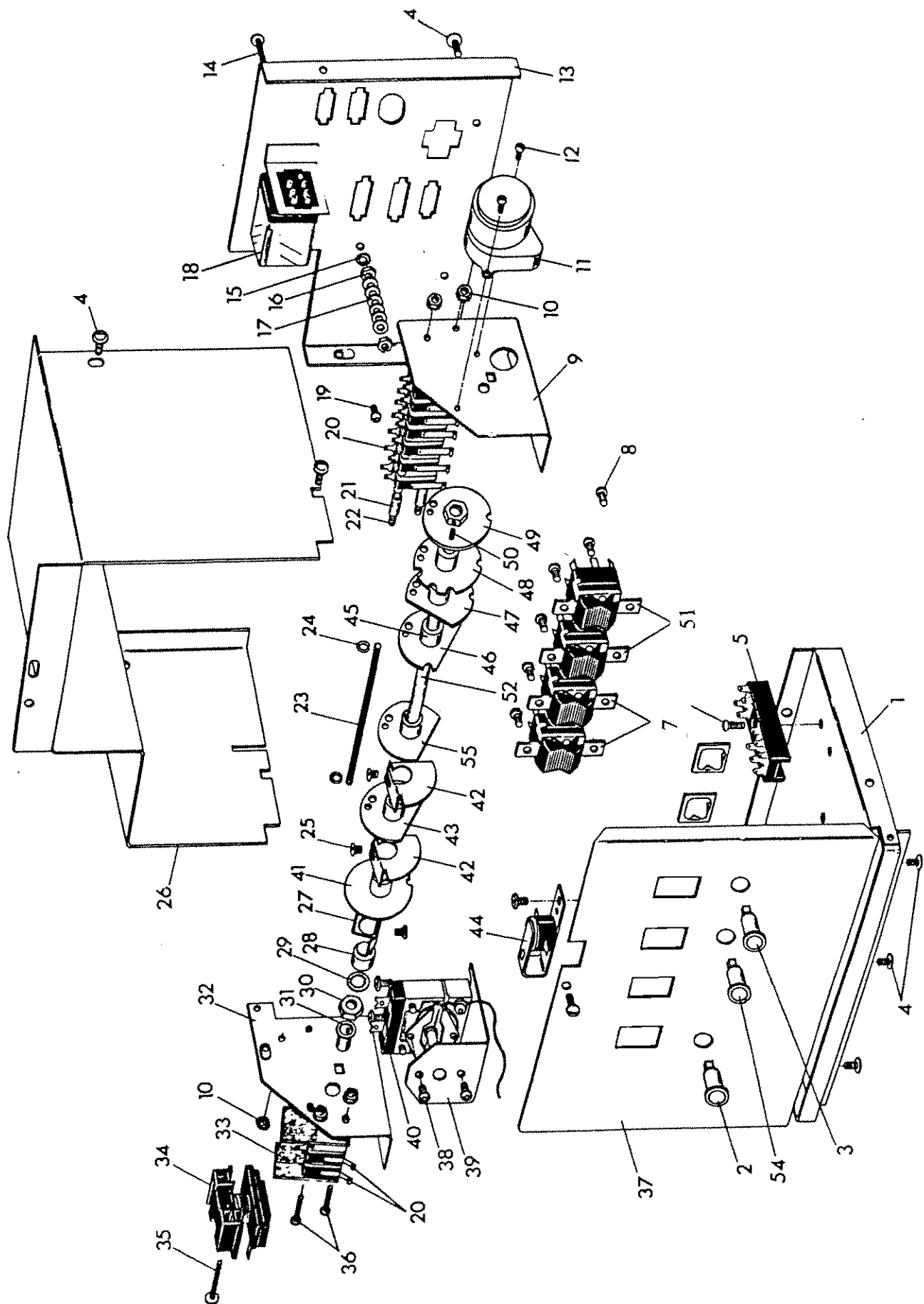


500HT CONTROL BOX**PLATE 3140**

0705492 N/A	1	CONTROL BOX ASSEMBLY
1. 0705524 N/A	1	CONTROL BOX BOTTOM ASSEMBLY
2. 0508551	1	GREEN NEON LAMP, 115 V (REPLACES RED LAMP)
3. 0508551	1	GREEN NEON LAMP, 115 V (REPLACES AMBER LAMP)
4. 0504538	16	#10-32 x 5/16 SCREW
5. 0503749	1	11 POINT TERMINAL BLOCK
6. 0501463	1	#8-32 x 3/4 SCREW
7. 0501361	2	DPDT ROCKER SWITCH 20 AMP
8. 0504911	10	#8 x 5/16 METAL SCREW
9. 0300108	1	RH TIMER SUPPORT
10. 0501549	6	#4-40 KEPS NUT
11. 0504956	1	25 RPH 115 V TIMER MOTOR
12. 0504861	2	#4-40 x 1/8 SLOT SCREW
13. 0705087 N/A	1	CONTROL BOX REAR ASSEMBLY
14. 0501403	1	#10-32 x 3/4 BRASS SCREW
15. 0501493	1	#10 LOCKWASHER - BRONZE
16. 0501533	2	#10-32 NUT - BRASS
17. 0501472	6	#10 FLAT WASHER - BRASS
18. 0505528	1	RELAY 120 V COIL
19. 0506177 N/A	1	RELAY CLIP (NOT SHOWN)
20. 0501379	9	15 AMP TIMER SWITCH
21. 0501479	12	1/4 OD x 1/8 x 1/16 FLAT FIBRE WASHER
22. 0503740	2	TIMER STUD - 4 1/4" LONG
23. 0505605	1	TIMER PIN 3 1/4" LONG
24. 0503664	2	"E" RETAINER RING 3/16 SHAFT
25. 0503745	4	#8-32 x 3/16 SCREW
26. 0305084 N/A	1	CONTROL BOX COVER
27. 0300053 N/A	1	ADJUSTABLE DETERGENT CAM
28. 0503735	4	ADJUSTING SPACER
29. 0501507	1	5/16 LOCKWASHER
30. 0501543	1	5/16-24 JAM NUT - SS
31. 0503701	1	TIMER SHAFT BEARING
32. 0300099 N/A	1	LH TIMER SUPPORT
33. 0503573	2	SWITCH INSULATION - LARGE
34. 0501358	1	START RELAY FOR PUMP MOTOR
35. 0503744	1	#10-32 x 1 1/4 SCREW
36. 0503746	2	#4-40 x 3/4 SCREW
37. 0705082	1	CONTROL BOX FRONT ASSEMBLY
38. 0501450	2	#6-32 x 1/4 COMBINATION NIBS
39. 0300096	1	THERMO SUPPORT
40. 0501380	1	VARIABLE THERMOMETER C/W KNOB
41. 0300052 N/A	1	DETERGENT CAM
42. 0300237 N/A	2	ADJUSTABLE CAM
43. 0305069 N/A	1	CHEMICAL FILL CAM
44. 0503750	1	BUZZER 115 V, 60 HZ
45. 0301672	3	CAM SPACER
46. 0305071 N/A	1	DRAIN CAM
47. 0305072 N/A	1	MOTOR REVERSING CAM
48. 0305070 N/A	1	MOTOR CAM
49. 0300124 N/A	1	HOMING CAM
50. 0501397	2	#6-40 x 3/16 SOCKET SET SCREW
51. 0501369	2	SPRING RETURN ROCKER SWITCH
52. 0503737 N/A	1	TIMER SHAFT
53. 0505512	1	CONTROL BOX HARNESS (NOT SHOWN)
54. 0503765	1	AMBER NEON LAMP 230 V
55. 0305068 N/A	1	FILL CAM
0504950	1	BOOSTER CONTACTOR (NOT SHOWN)

CONTROL BOX

PLATE 3140

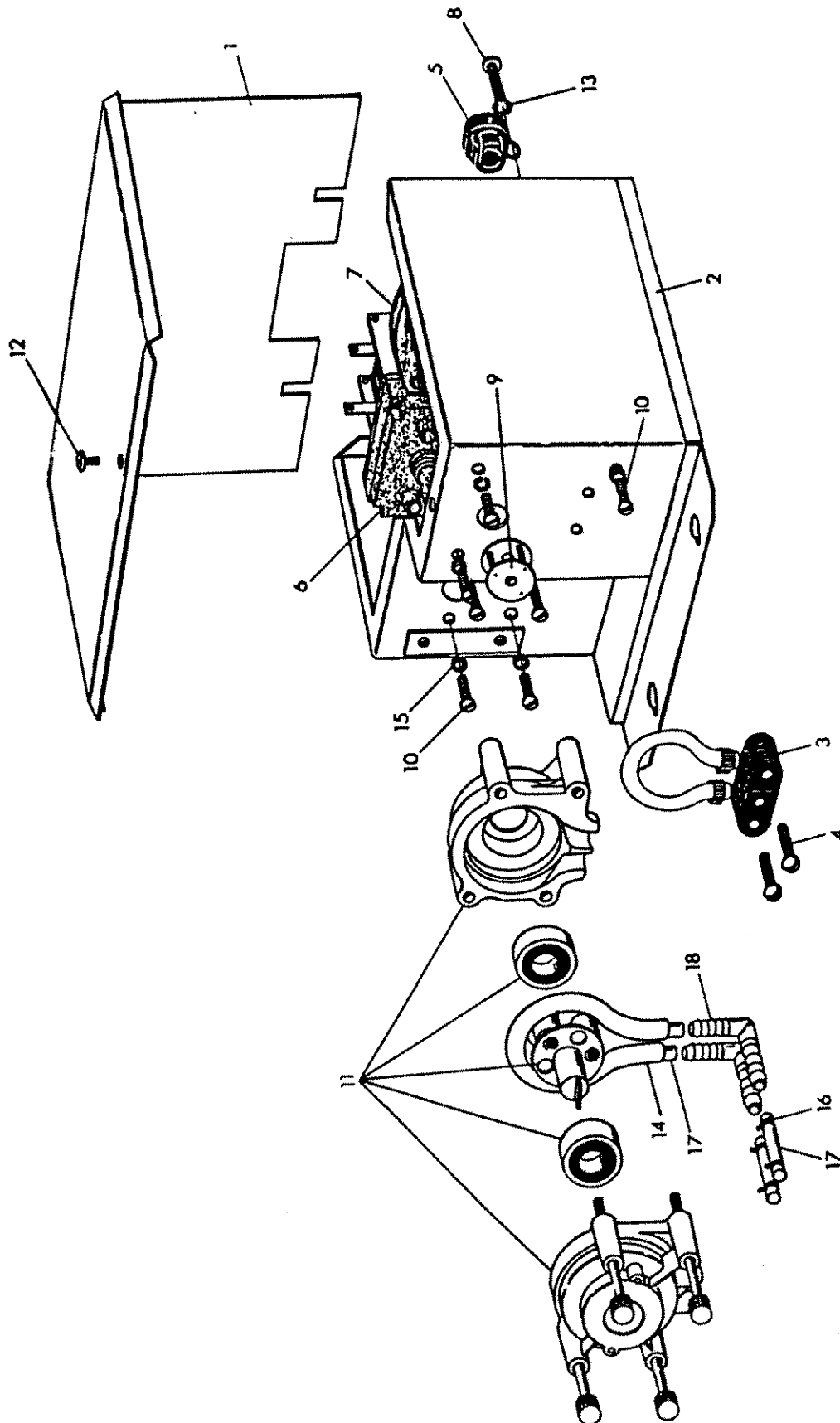


500HT CHEMICAL INJECTOR ASSEMBLY
PLATE 3174

0705611	N/A		CHEMICAL INJECTOR ASSEMBLY COMPLETE
1.	0305089	1	PUMP COVER
2.	0705092	1	PUMP HOUSING ASSEMBLY
3.	0706635	1	45 CC TUBE ASSEMBLY RINSE AID
4.	0506589	2	#6-32 x 7/8 SS SCREW
5.	0503647	1	STRAIN RELIEF BUSHING - MEDIUM
6.	0503757	1	PUMP DRIVE MOTOR, 115 V 60 HZ (OPT.) DETERGENT
7.	0503756	1	PUMP MOTOR - INJECTOR UNIT 115 V RINSE AID
8.	0501403	1	#10-32 x 3/4 RH BRASS SCREW
9.	0707142	1	ROTOR ASSEMBLY
10.	0501406	12	#8-32 x 1/2 SS SCREW
11.	0708821	1	USE 0709624 DETERGENT PUMP KIT (NOT AS SHOWN)
<u>0709624 INCLUDES</u>			
	0308637	1	BRACKET
	0510870-1	1	PUMP MOTOR 115V - DETERGENT
	114203	1	PUMP HEAD PERISTALTIC DETERGENT
	114202	1	DETERGENT PUMP HOSE
	0502644	2	ELBOW, 1/4 HOSE BARB
12.	0504538	4	#10-32 x 5/16 SCREW
13.	0501493	1	#10 LOCKWASHER EX TOOTH - BRONZE
14.	0503755	1	DETERGENT PUMP HOSE FOR MASTERFLEX PUMP (OPT.) AS SHOWN
15.	0501497	12	#8 LOCKWASHER - SS
16.	0501519	29	NYLON TIE 4"
17.	0502667	2"	ELBOW HOSE SPACER (OPT.)
18.	0502644	2	1/4" HOSE BARB ELBOW (OPT.)
	0503301	1	COVER WARNING LABEL (NOT SHOWN)
	0503694	1	SANITIZER LABEL (NOT SHOWN)
	0503695	1	DETERGENT LABEL (NOT SHOWN)
	0505518	1	CHEMICAL INJECTOR HARNESS (NOT SHOWN)
	0503575	2	.125 BUTT CONNECTOR INSULATION (NOT SHOWN)
	0503758	1	CLOSED END CONNECTOR (NOT SHOWN)
	0501472	2	#10 FLAT WASHER - BRASS (NOT SHOWN)
	0501518	2	5 1/2" NYLON TIE (NOT SHOWN)
0708561			CHEMICAL PUMP KIT, DETERGENT & RINSE (NOT SHOWN)
<u>INCLUDES</u>			
	0308610	1	BRACKET
	0503756	1	PUMP MOTOR - INJECTOR UNIT 115 V RINSE AID
	0706635	1	45 CC TUBE ASSEMBLY RINSE AID
	0707142	1	ROTOR ASSEMBLY
	114203	1	PUMP HEAD PERISTALTIC DETERGENT
	114202	1	DETERGENT PUMP HOSE
	0510870-1	1	PUMP MOTOR 115V - DETERGENT
	0502644	2	ELBOW, 1/4 HOSE BARB

CHEMICAL INJECTOR

PLATE 31:



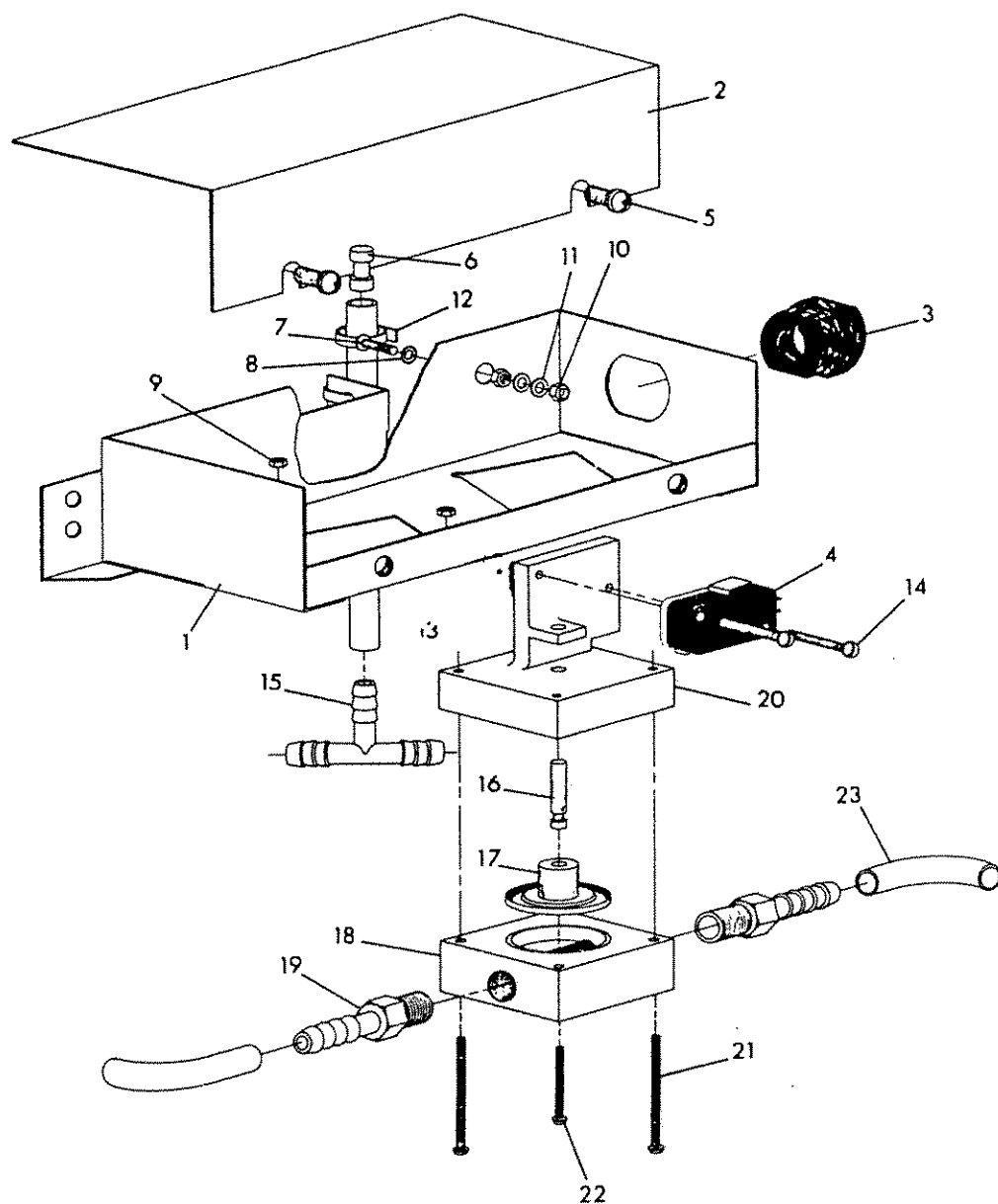
500HT OPTIONAL SENSOR

PLATE 3142

NO LONGER AVAILABLE

CHEMICAL SENSOR SWITCH

PLATE 3142



500HT - REPLACEMENT PARTS

BOOSTER TANK

	0705520	1	BOOSTER TANK COMPLETE
1.	0705065	1	BOOSTER TANK WELDED
2.	0707243	1	END COVER
3&4	0507315	2	240 V, 3000 W HEATER (INCLUDES ITEM 5)
5.	0503588	2	"O" RING 1/8" x 1 3/8" SILICONE
6.	0503647	1	STRAIN RELIEF BUSHING
7.	0504953	1	BOOSTER THERMOSTAT
8.	0507095	1	BOOSTER LIMIT THERMOSTAT
9.	107417	6'	1/2" ID RUBBER HOUSE (OUTLET)
10.	0300164	1	WATER INLET TUBE
11.	0502665	16"	INLET LINE 1/2" BRAIDED TUBING
12.	0307716	1	BOOSTER THERMOSTAT BRACKET
	0507096	1	BOOSTER TANK HARNESS (NOT SHOWN)
	0503679	1	7/16 S.S. GEAR-TYPE CLAMP (NOT SHOWN)
	0504955	1	LOWER LIMIT SENSOR (OPT.) (NOT SHOWN)

NOTE: SQUARE BOOSTER REPLACED BY 0705520 BOOSTER COMPLETE.

BOOSTERTANK

