



SEP-790

Automated Dough & Tortilla PRESS

OPERATION MANUAL



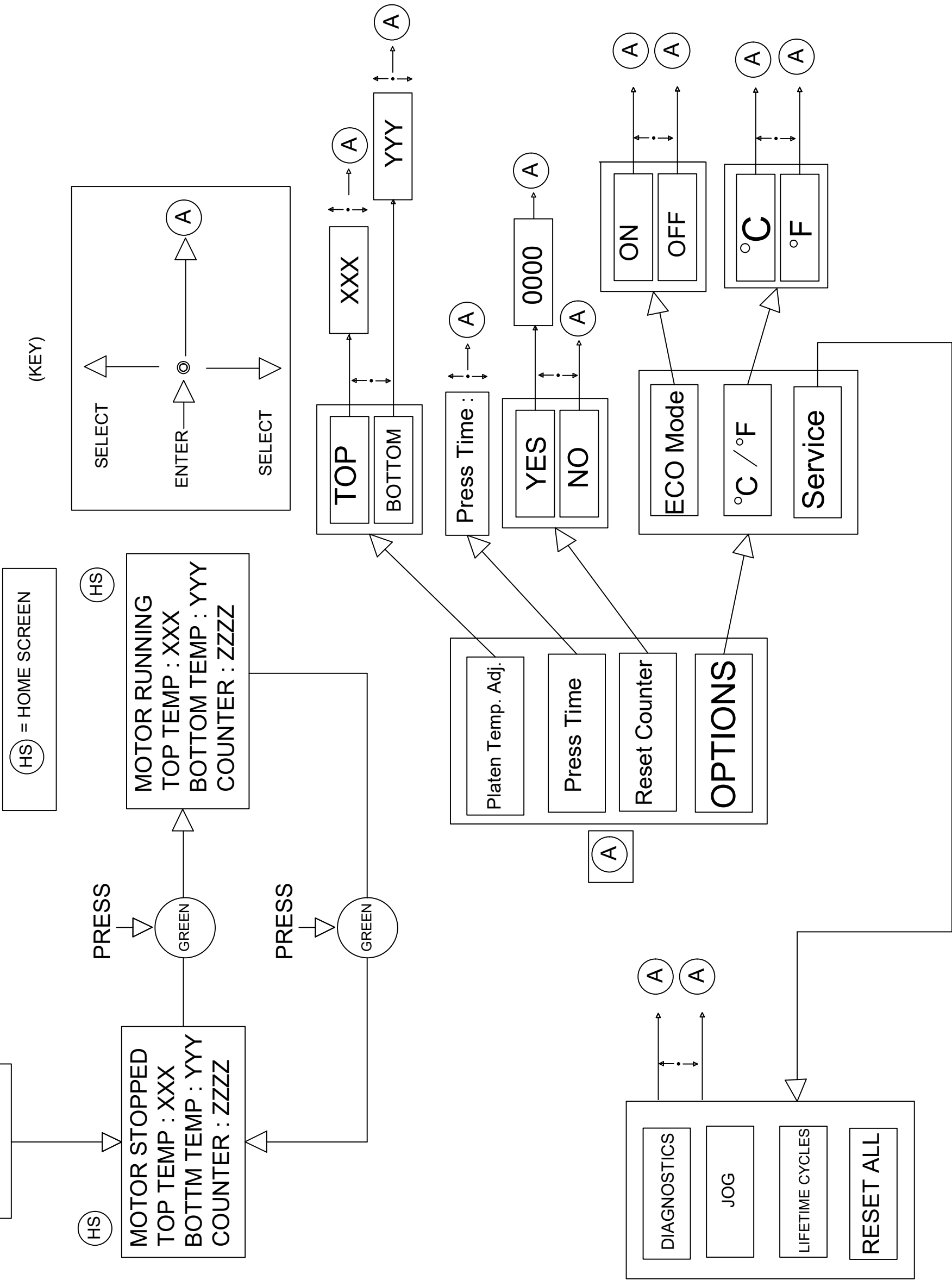
SOMERSET INDUSTRIES

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www.smrset.com

SEP-790

SCREEN NAVIGATION GUIDE



UNCRATING AND INSTALLATION

- After the outside straps are cut and the box is removed, cut the straps that hold the unit on the wooden base.
- Remove the unit from the base, and secure it on a solid, flat surface (table or stand)

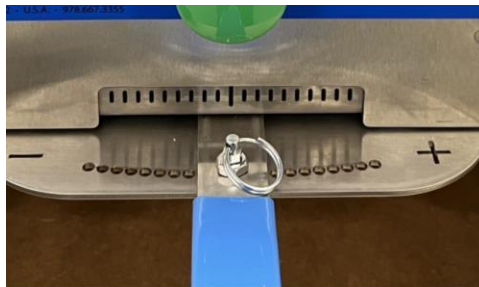
CAUTION: * Verify table stability and make sure the dough press is secure

- Wipe off any dust collected during shipping.
- Verify the height for the unit is appropriate for the user(s).
- Plug the unit into a power outlet (that meets local electrical codes) as specified by the power label (rear of unit)

SET UP



The SEP-790 is an electric tortilla press with heated top and bottom platens. The temperature of the platens and the press time are configurable through the main menu, which can be accessed from the default screen by pressing any of the menu buttons while the home screen is active. A slider at the bottom of the machine controls the gap between the platens.



* Please contact the factory if you need assistance setting the controller.

Operation Modes & Precautions

- When the small green “ON” button is pressed, the press turns on and begins heating the platens to their temperature setpoints.
- The main menu is found by pressing the white button with the blue dot to the left of the screen. From there, clicking the white button to select and the up and down arrow buttons to navigate will display the “Platen Temp Adj” option, “Press Time” option, and more through “Options”.
 - The top and bottom platen temperatures can be independently set through the “Top Temp” and “Bottom Temp” menu entries in the “Platen Temp Adj” menu. Each platen can be turned off or set to an individual temperature in the range 120 F to 400 F (50 C to 205 C).
 - The amount of time the platen will press the dough can be adjusted under the “Press Time” option. The time can be set in the range of
 - The white light on the press will flash until the temperature of both platens have reached their setpoints.
 - The screen displays both the target temperature (on the left) and the real-time platen temperature (on the right) for the top and bottom platens.
- Temperature units displayed (Fahrenheit or Celsius) are configurable via the service menu at the bottom of the main menu screen.
- Top Platen Latch should always be closed before operation of the machine.
- Pressing the large green button starts and stops the press motor and chute for operation of the SEP-790.

“ECO” Mode & Safeties

By default, stopping the motor will lower the temperature setpoint to 100C lower than the target temperature as a power-saving measure, although this functionality can be disabled through the main menu under the “Eco Mode” setting.

Regardless of the “Eco Mode” setting, the platens will automatically turn off after two hours of inactivity as a safety feature.

If the motor is left running, the platens will stay hot indefinitely. The press will display “Motor running” when the motor is running, “Motor Stopped” when the motor is off and platens are hot, “Eco Cooldown” when Eco Mode is enabled and the motor is stopped, and “Platens Off” when the platens automatically shut down.

Avoid touching hot platens. Platens can be hot enough to possibly cause injury

DOUGH PREPARATION

- Dough thickness is a function of temperature and pressure.
- The higher the temperature and longer pressing time, the thinner and larger the dough diameter.
- Recommended dough temperature should be between 60 - 70°F (15.6 - 22°C) for best results.
- Dough weight should match the size of dough disc (diameter / thickness).

QUICK USER GUIDE.

1. Use the thickness adjustment handle control on the back of the unit to set your desired thickness of your dough disc. Lift the silver knob while moving the blue slider to the left or right and dropping the knob into the desired setting, making sure it clicks into place.
2. For thicker products, move the slider to the right and for thinner products move the slider to the left. (Hint: calibrate the thickness by moving the slider all the way to the right and then into the desired setting.)
 - The numbers above the thickness adjustment control are thickness reference points. 0 is the thinnest and 15 is the thickest the platen can be.
3. Lightly dust the dough ball in All Purpose Flour or equivalent.
4. Place the dough ball in the center of the chute when it raises to present itself for feeding.
5. When the chute automatically lowers, it will slide your dough ball between the top and bottom platens and proceed to press your ball into your desired thickness and diameter.
6. The platens will press your dough for your set time of press.
7. The pressed dough will then slide out and exit ready to be cooked.

Avoid touching hot platens. Platens can be hot enough to possibly cause injury

CLEANING

- Turn unit off by pressing the Red “OFF” button.
- The Red “Hot” light will remain illuminated.
- When the Red “Hot” light turns off the unit is cooled down to room temperature and safe to clean
- Unplug the unit.
- It is now safe to unlock the top platen latch for access to the platens. Lift the white handle upwards in its slot, then pull the black knob out.



- Platens should only be cleaned with mild soap and warm water then wiped off with a clean, soft cloth in a circular scrubbing motion.
- Do not use scouring pads or sharp objects to clean the platen surfaces.
- Clean the Stainless-Steel surfaces with a S.S. cleaner or mild soap.
- Do not submerge unit in water or use harsh cleaners.
- Do not use flammable spirits for cleaning this unit.
- After cleaning, lock the top platen latch, plug the unit into the power outlet. The unit is ready for use.

⚠ CAUTION ⚠

Do not place metallic objects or screen between the platens. The finish on the platen will become irreversibly damaged

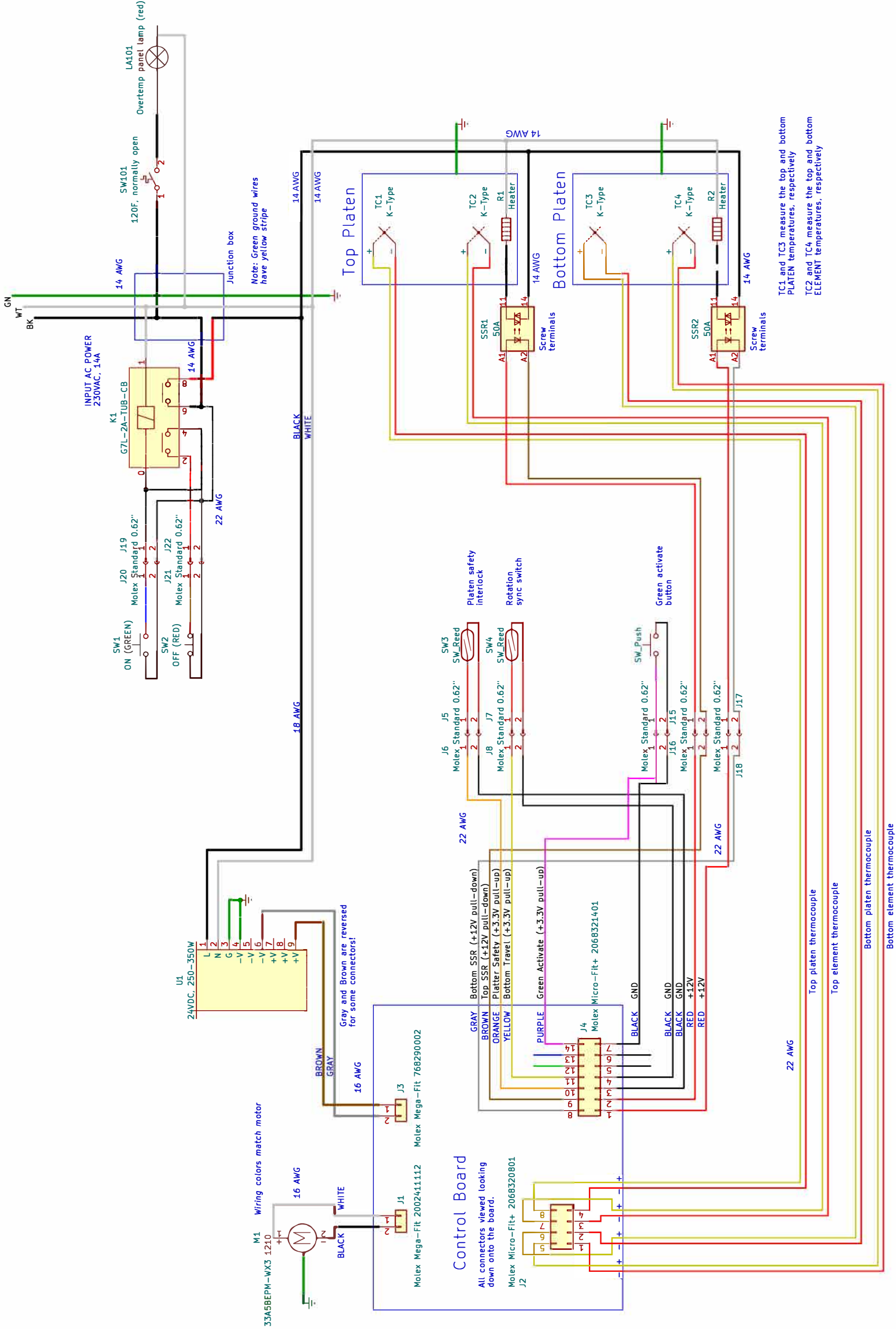
NOTE

This unit is maintenance free, do not apply any oil or grease on any parts.

SOMERSET INDUSTRIES

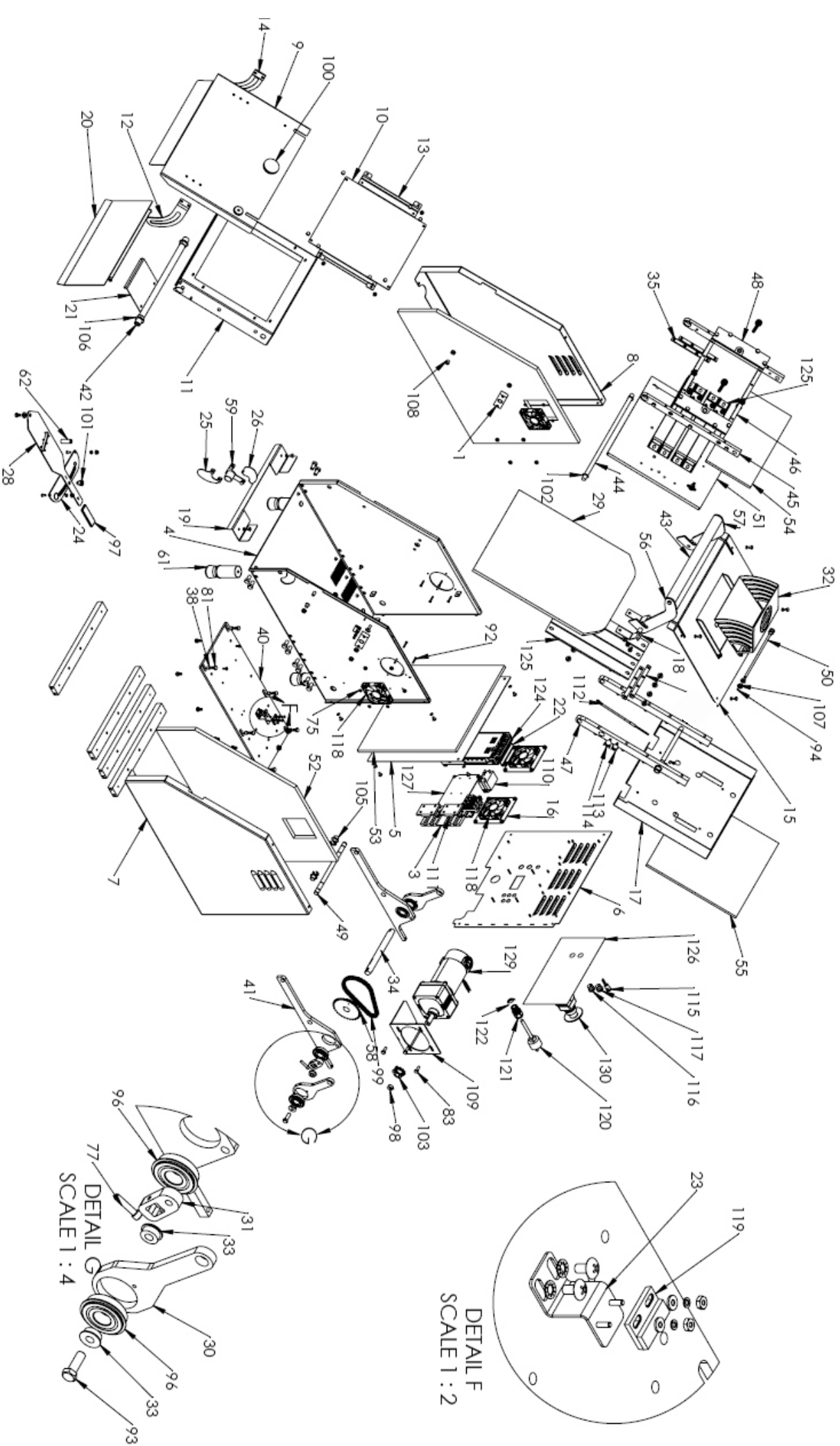
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L060-155 SEP-790

REV A: AUG 2024



L060-155 : SEP-790 PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY.
1	0045-105	ASSY, BLOCK WITH BUSHING	2
2	N/A	RESERVED	2
3	0750-232	HEAT SINK	1
4	0790-011A	ASSY, FRAME, MAIN	1
5	0790-013	PARTITION, SST	1
6	0790-015A	ASSY, PANEL, ELECTRICAL, SST	1
7	0790-017	COVER, SIDE, LEFT, SST	1
8	0790-019	COVER, SIDE, RIGHT, SST	1
9	0790-021A	ASSY, COVER, TOP PLATEN, OUTER	1
10	0790-022	COVER, ACCESS PANEL, UPPER PLATEN	1
11	0790-023A	ASSY, COVER, UPPER PLATEN, INNER	1
12	0790-025	HOLDER, UPPER PLATEN, LEFT, SST	1
13	0790-026	BRACKET, INTERIOR COVER	2
14	0790-029	HOLDER, UPPER PLATEN, RIGHT, SST	1
15	0790-031W	WELDMENT, INTAKE COVER	1
16	0790-039A	ASSY, BRACKET, FAN	2
17	0790-041	COVER, LOWER PLATEN, SST	1
18	0790-043	LIFTER, CHUTE, SST	1
19	0790-045A	ASSY, MOUNT, DISCHARGE TRAY	1
20	0790-047A	ASSY, TRAY, DISCHARGE	1
21	0790-049	CLIP, DISCHARGE TRAY	1
22	0790-051	BRACKET, POWER SUPPLY	1
23	0790-053A	ASSY, BRACKET, SENSOR, PRESS POSITION	1
24	0790-065	ADJUSTMENT GRID	1
25	0790-070A	ASSY, COVER, WIRE CONDUIT,PEM SIDE	1
26	0790-071	COVER, WIRE CONDUIT, OPEN SIDE, SST	1
27	N/A	RESERVED	-
28	0790-107	PLATE, THICKNESS ADJ, SST	1
29	0790-110	PLATEN, LOWER, ALUM	1
30	0790-115	ROD, CONNECTING	2
31	0790-120	CRANK LINK	2
32	0790-122	WELDMENT, HOPPER, INTAKE	1
33	0790-125	SPACER, CRANKSHAFT BEARING	4
34	0790-130	SHAFT, CRANK	1
35	0790-137	BUS BAR, UPPER PLATEN	4
36	N/A	RESERVED	-
37	N/A	RESERVED	2
38	0790-146	SPACER, SLIDING BASE	6
39	N/A	RESERVED	1
40	0790-160	PLATE, FRAME BOTTOM, SLIDING, ALUM	1
41	0790-165	UPRIGHT, FRAME, SLIDING	2
42	0790-170	ROD, TOP HINGE	1
43	0790-171	HANDLE, LOCKING	1
44	0790-172	SHAFT, LOCKING, TOP, SST	1
45	0790-175	STIFFENER, SIDE, TOP PLATEN	2
46	0790-180	STIFFENER, TOP PLATEN	2
47	0790-181	STIFFENER, BOTTOM PLATEN, ALUM	2
48	0790-185	PLATE, TORSION, ALUM	2
49	0790-190	SHAFT, UPPER	2
50	0790-195	HINGE PIN, INTAKE HOPPER CHUTE	1
51	0790-207	ASSY, HEATED PLATEN, UPPER	1
52	0790-218	INSULATION, RIGHT SIDE	2
53	0790-220	INSULATION, REAR	1
54	0790-222	INSULATION, PLATEN, TOP	1
55	0790-224	INSULATION, PLATEN, BOTTOM	1
56	0790-251	WELDMENT, ARM, LOCK, RIGHT	1
57	0790-252	ASSY, ARM, LOCK, LEFT	1
58	0790-253	ASSY, SPROCKET, 30 TOOTH	1
59	0790-265	WELDMENT, WIRE CONDUIT, TOP PLATEN	1
60	0790-616	ASSY, DIN RAIL GROUP	1
61	2000-415	LEG, ASM COMPLETE	4
62	2000-431	SHAFT,ALIGNMENT, IDLER SUPPORT	1
63	3000-101	WASHER LOCK #10 INT TOOTH	30
64	3000-104	WASHER, LOCK SPLIT #4	4
65	3000-106	WASHER, LOCK SPLIT 1/4	2

ITEM	PART NO.	DESCRIPTION	QTY.
66	3000-199	WASHER, FLAT 1/4, 0.625OD X .281ID X .065	18
67	3000-202	WASHER, FLAT, 5/16", 0.75" OD x 0.344" ID, SST	8
68	3000-204	WASHER, FLAT #4	4
69	3000-208	WASHER, FLAT, 5/16" (11/16 O.D. x .065 THK)	1
70	3000-300	NUT, FLANGE 8-32	28
71	3000-301	#10-32 FLANGE NUT	2
72	3000-303	NUT, FLANGE 1/4-20	4
73	3000-305T	NUT, HEX, 5/16-18, THIN, STEEL	8
74	3000-309	NUT, HEX 4-40, Z-PLATED	4
75	3000-310	NUT, HEX 6-32	20
76	3000-326	SCREW, SET 5/16-18 X 2-1/2" SOCKET, SST	4
77	3000-335	SCREW, 1/4-20 X 1 1/8 SOCKET HD	2
78	3000-402	SCREW, 10-32 X 3/8 TRUSS PH SS	30
79	3000-404	SCREW, 1/4-20 X 3/4 HEXHD	8
80	3000-409	SCREW, 3/8-16X1 HEXHD SS	1
81	3000-410	SCREW, 1/4-20 X 1/2 HEXHD	43
82	3000-415	SCREW, 1/4-20 X 1 HEXHD	2
83	3000-417	SCREW, 1/4-28 X 3/4 HEXHD	4
84	3000-427	SCREW, 10-32 X 1/2 HEX BUTTON HEAD SS	2
85	3000-436	SCREW, 4-40 X 1/4 PAN HD PH	4
86	3000-439	SCREW, 1/4-20 X 1/2", CNTR SUNK, SST	4
87	3000-444	SCREW, 8-32 X 1/2 PAN HEAD PH	2
88	3000-468	NUT, NYLON INSERT, 5/16-18	6
89	3000-480	NUT, ACORN, 10-32, SST	18
90	3000-487	SCREW, 3/8-16 X 3/4 HEXHD SS	16
91	3000-552	SCREW, 6-32 X 1/2 PAN HD	4
92	3000-555	6-32 X 7/8 SCREW, MACHINE, PH ROUND, SST	8
93	3000-656	SCREW, 3/8-24 X 1-1/8" HEXHD, SST	2
94	3010-400	RING, RET TRUARC 5103-25	2
95	4000-020	STANDOFF, 0.140 ID x 0.375 OD x 0.375 LEN	4
96	4000-105	BEARING, BALL, SEALED	4
97	4000-302	CAP, RECTANGULAR, BLUE PVC, HANDLE COVER	1
98	4000-324	CLAMP, SPRING, 5/8", SPRING STEEL	1
99	4000-371	CHAIN 35 RIV 40 INCL W/O C/L (790)	1
100	4000-405	KNOB, 2" DIA 3/8-16	1
101	4000-418	KNOB, INDEX PLUNGER, BLACK	1
102	4000-428	RING, RETAINING, EXT FOR 1/2" OD	6
103	4000-525	SPROCKET, #35, 11 TEETH, 5/8" SHAFT, W/HUB	1
104	4000-531	KEY, 3/16" X 3/16" X 7/8" LG	1
105	4000-560	BUSHING, FLANGE, 1/2" ID, 1/2" LEN, IGLIDE G370	4
106	4000-562	BUSHING, FLANGE, 3/4" ID, 1/2" LEN, IGLIDE H370	2
107	4000-590	BUSHING, FLANGE, 1/4" ID, 3/8" LEN, IGLIDE A200	4
108	4000-595	BUSHING, FLANGE, 5/16" ID, 3/8" LEN, IGLIDE M250	2
109	5000-109	WELDMENT, MOTOR MOUNT, 790	1
110	5000-151	RELAY, 220 VAC	1
111	5000-153	COVER, RELAY	2
112	5000-162	THERMOCOUPLE, TYPE K, INSULATED	1
113	5000-163	THERMOSTAT 1/2 DISC .7 TALL	1
114	5000-164	HI-LIMIT, 160 DEG F	1
115	5000-184	LAMP, LED, 0.5 IN, RED, W/LEADS	1
116	5000-202	SWITCH POWER RED	1
117	5000-203	SWITCH POWER GREEN	1
118	5000-215	FAN, AXIAL, COOLING, 80x80mmX15mm	4
119	5000-225	SENSOR, REED SWITCH	2
120	5000-244	HARNESS, CORD POWER MALE 220VAC, 20A, 8'	1
121	5000-285	CABLE GLANDS, STRAIN RELIEFS	1
122	5000-285LN	LOCKNUT, NYLON, 3/8 NPT BLACK	1
123	N/A	RESERVED	-
124	5000-496	POWER SUPPLY, 220VAC IN, 24VDC OUT	1
125	5000-518	HEATER, STRIP, 650W @ 240VAC, 12"	8
126	5000-619	DECAL, CONTROL/FRONT PANEL, SDP-790	1
127	5000-660	CONTROL, ELECTRONIC, SDP-760	1
128	5020-025	PASTE, THERMAL, 2200 DEG F (NOT SHOWN)	2
129	5020-100	GEARMOTOR, 1/4 HP, 84RPM, 24VDC	1
130	5030-100	SWITCH, MOMENTARY, 30MM, 1 NO BLK, GREEN	1