

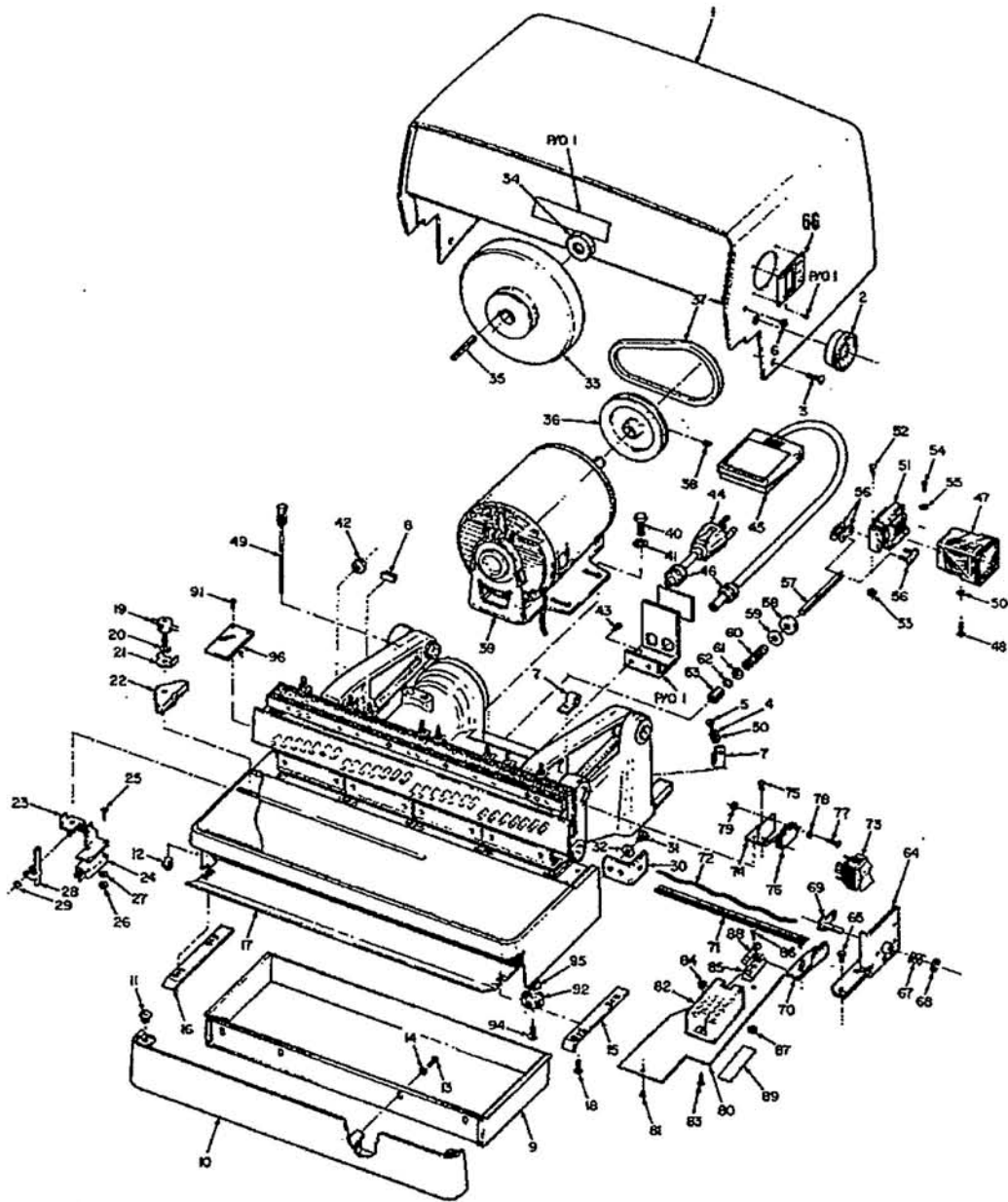


111 & 112 PM Parts List



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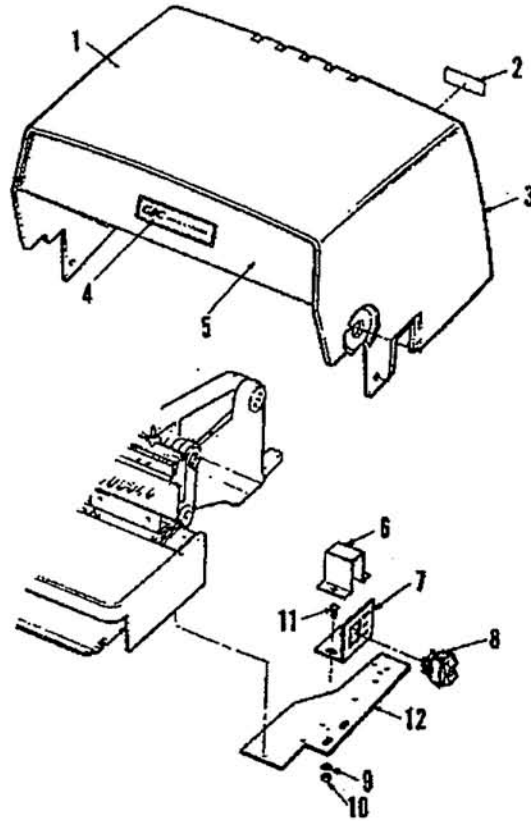
FIGURE 1:111-PM /112- PM Electric Punch



ITEM	P/N	DESCRIPTION	QTY	
			111PM	112PM
2	OBSOLETE	<i>Knob, backgauge</i>	1	1
3	1903111	Screw, ¼ - 20 x 5/8	4	4
4	1925802	Lockwasher, #6	1	1
5	1911116	Screw, 6-32 x 3/8	1	1
6	1929601	Indicator, plastic	1	1
7	1931001	Clamp, cable	2	2
8	1931041	Clamp, cable	1	1
9	OBSOLETE	<i>Chip drawer</i>	1	1
10	OBSOLETE	<i>Drawer front</i>	1	1
11	OBSOLETE	<i>Drawer catch</i>	2	2
12	1100123	Catch, bullet	2	2
13	1902904	Screw, 10-32 x 3/8	4	4
14	1925803	Lockwasher, #10	4	4
15	1100122	Drawer guide, RH	1	1
16	1100150	Drawer guide, LH	1	1
17	1101379	Shield	1	1
18	1907904	Screw, 10-32 x 3/8	4	4
19	1103616	Screw assembly, paper guide	1	1
20	1953503	Washer, paper guide	1	1
21	1101381	Clamp, locking	1	1
22	OBSOLETE	<i>Guide assembly, paper</i>	1	1
23	1107220	Bracket assembly, table switch	1	1
24	1131973	Switch, table	1	1
25	1902841	Screw, 2-56 x ¼	2	2
26	1926714	Nut, 2-56	2	2
27	1925805	Lockwasher, #2	2	2
28	1103610	Lever, table switch	1	1
29	1931603	Grip ring	1	1
30	1103707	Bracket, cover mounting	2	2
31	1902807	Screw, ¼ - 20 x ¼	4	4
32	1925804	Lockwasher, ¼	4	4
33	1100963	Flywheel	1	1
34	1103767	Nut, 5/8 - 18 LH	1	1
35	1100178	Key, flywheel	1	1
36	1107242	Pulley	1	1
37	1100195	V belt	1	1
38	1900011	Set screw, 5/16 - 18 x 5/16	2	2
39	1118839	Motor 115V	1	N/A
	1100190	Motor 230V	N/A	1
40	1951901	Screw, 5/16 - 18 x ¼	4	4
41	1925902	Lockwasher, 5/16	4	4
42	1954008	Grommet	1	1
43	1907902	Screw, 6-32 x 3/8	2	2
44	1128157	115V Power cord	1	N/A
	1119138	230V Power cord	N/A	1
*45	1101896	Footswitch, 115V	1	1
46	1952401	Strain relief	2	2
47	1103754	Relay 115V	1	N/A
	1103776	Relay 230V	N/A	1
48	1911110	Screw, 6-32 x 5/8	1	1
49	1100067	Dipstick	1	1
50	1925007	Washer, #6	2	2
51	OBSOLETE	Solenoid assembly	1	1
52	1900523	Screw, 10-32 x 5/8	2	2
53	1927702	Nut, 10-32	2	2
54	1907906	Screw, 8-32 x 3/8	2	2
55	1925806	Lockwasher, #8	2	2
56	1118831	Link assembly	1	1
* 45	1128156	Footswitch 230 V	1	1

ITEM	P/N	DESCRIPTION	QTY	
			111PM	112PM
*57	1100974	Clutch pin	1	1
*58	1103733	Oil seal	1	1
*59	1103739	Washer, clutch pin	1	1
*60	1100069	Spring, clutch pin	1	1
*61	1100164	Washer, spring retainer	1	1
*62	1930501	Retaining ring	1	1
	1118835	Clutch pin assembly complete	1	1
		<i>(items 57-62)</i>		
63	1952218	Bushing	1	1
64	1118805	Bracket, backgauge adjustment	1	1
65	1902615	Screw, 10-32 x 1/2	2	2
66	1107910	Plate, switch	1	1
67	1101430	Spring, backgauge knob	1	1
68	1930510	Retaining ring	1	1
69	1118804	Pinion & shaft assembly	1	1
70	1106976	Adjusting rack	1	1
71	OBSOLETE	Backgauge bar assembly	1	1
72	1100867	Spring, backgauge bar	1	1
73	OBSOLETE	Switch, control	1	1
74	1103795	Bracket, underarm	1	1
75	1907902	Screw, 6-32 x 3/8	2	2
76	1128219	Switch, underarm	1	N/A
	1128132	Switch, underarm	N/A	1
77	1902834	Screw, 4-40 x 5/8	2	2
78	1925801	Lockwasher, #4	2	2
79	1926804	Nut, 4-40	2	2
80	1107247	Protective cover, switch	1	1
81	1907906	Screw, 8-32 x 3/8	2	2
82	1107215	Terminal block	1	1
83	1902831	Screw, 6-32 x 1	2	2
84	1926801	Nut, 6-32	2	2
85	1118817	Fuse mounting & lead assembly	1	1
86	1902818	Screw, 6-32 x 3/8	1	1
87	1926801	Nut, 6-32	1	1
88	1103554	1A fuse	1	N/A
	1103048	1/2 A fuse	N/A	1
89	OBSOLETE	Label, caution	1	1
90	N/A			
91	1902615	Screw, 10-32 x 1/2	2	2
92	1100228	Rubber foot	4	4
93	N/A			
94	1902807	Screw, 1/4 - 20 x 1/4	4	4
95	1100180	Washer	4	4
96	1118807	End guide, backgauge	1	1

FIGURE 2: Cover Replacement



ITEM	P/N	DESCRIPTION	QTY	
			111PM	112PM
1	OBSOLETE	Cover assembly	1	1
2	OBSOLETE	Label, caution	1	1
3	OBSOLETE	Cover	1	1
4	OBSOLETE	Plate, logo	1	1
5	OBSOLETE	Panel, decorative	1	1
6	1128209	Guard, control switch	1	1
7	1128204	Bracket, control switch	1	1
8	1128741	Switch, control	1	1
9	1925806	Lockwasher, #8	2	2
10	1926802	Nut w/washer, 8-32	2	2
11	1911131	Screw, 8-32 x 3/8"	2	2
12	1107247	Cover, switch protective	2	2

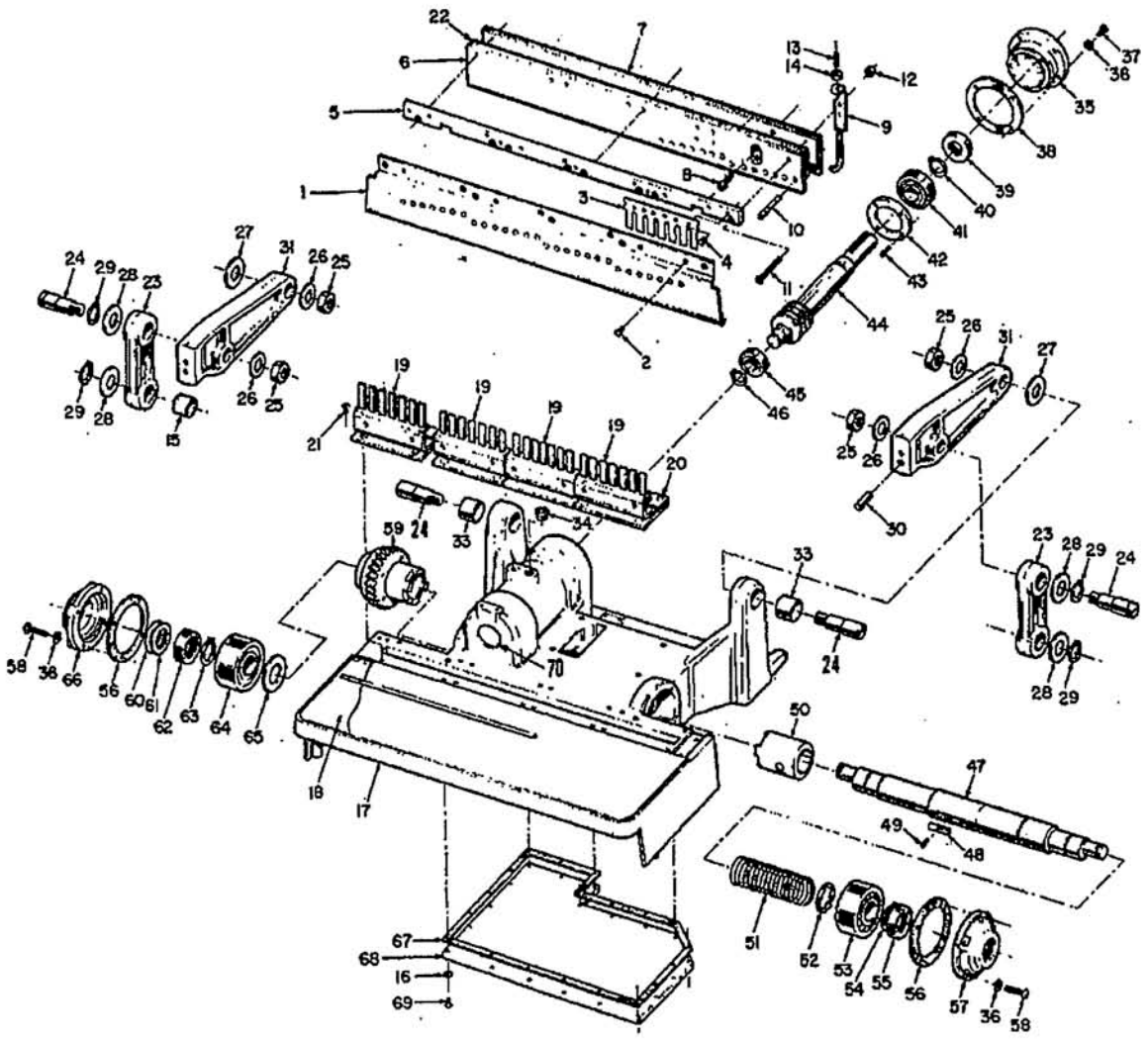
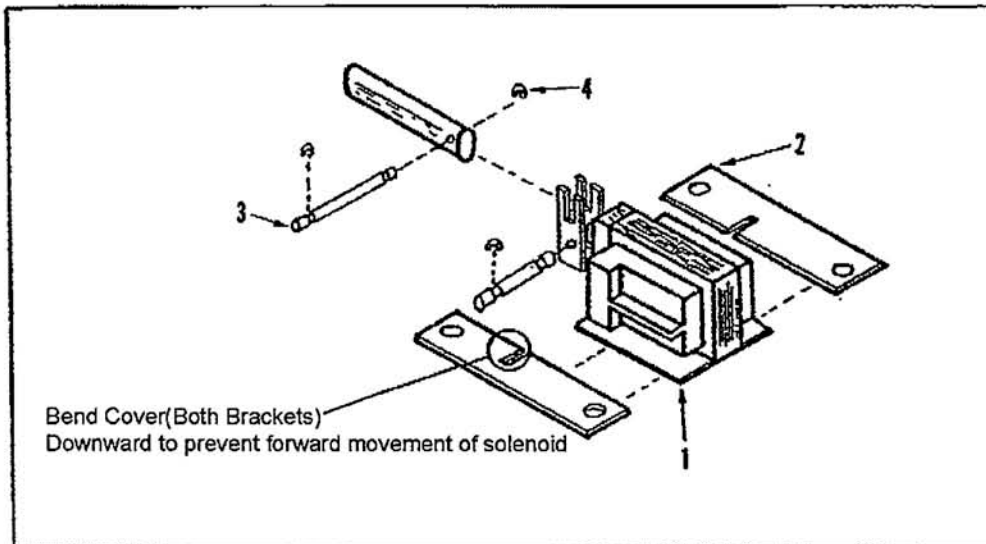


Figure 3: 111 - PM / 112 - PM Electric Punch

ITEM	P/N	DESCRIPTION	QTY	
			111PM	112PM
1	OBSOLETE	Cover, pressure bar	1	1
2	1911105	Screw, 8-32 x 1/4	4	4
3	1100131	Spring, punch pin	4	4
4	1902508	Screw, 8-32 x 1/4	8	8
5	1103797	Spacer, pressure bar front	2	2
6	1103716	Pressure bar, front	1	1
7	1103714	Pressure bar, rear	1	1
8	1964504	Screw, 5/16 - 18 x 1	2	2
9	1103718	Stripping lever	8	8
10	1103734	Punch pin	28	28
11	1900609	Screw, 10-32 x 1-1/4	8	8
12	1926803	Nut, 10-32	8	8
13	1900041	Screw, 10-32 x 1/2	8	8
14	1926702	Nut, 10-32	8	8
15	N/A	ORDER ITEM 23		
16	1925002	Washer, #10	19	19
17	7701640	Base	1	1
18	OBSOLETE	Table laminate	1	1
19	1152027	Die	4	4
20	1902824	Screw, 10-32 x 5/8	8	8
21	1902601	Screw, 10-32 x 3/8	8	8
22	1103715	Spacer, pressure bar	3	3
23	7703231	Connecting rod w/ bronze bearing	2	2
24	6210037	Wrist pin	4	4
25	1926612	Nut, 1/2 - 20	4	4
26	1925808	Lockwasher, 1/2	4	4
27	1100024	Washer, thrust	2	2
28	1925116	Washer, steel	4	4
29	1930507	Retaining ring	4	4
30	1954111	Dowel pin, 3/8 x 1 - 1/4	2	2
31	1103727	Arm, pressure bar	2	2
32	N/A			
33	1952224	Bushing, pivot pin	2	2
34	1118930	Vent assembly	1	1
35	1100080	Retainer, bearing	1	1
36	1911107	Washer, seat #10	12	12
37	1902905	Screw, 10-32 x 3/4	4	4
38	1100082	Gasket, bearing retainer	1	1
39	1100081	Seal, oil	1	1
40	1930503	Retaining ring	1	1
41	1100210	Bearing	1	1
42	1100209	Clamp, bearing	1	1
43	1900532	Screw, 6-32 x 1/4	4	4
44	1100984	Worm shaft	1	1
45	1100079	Bearing	1	1
46	1930502	Retaining ring	1	1
47	1100055	Crankshaft	1	1
48	1100065	Key, clutch jaw	1	1
49	1900501	Screw, 4-40 x 3/8	1	1
50	1100064	Clutch jaw	1	1
51	1100066	Spring, clutch	1	1
52	1930506	Retaining ring	1	1
53	1100056	Bearing	1	1
54	1930504	Retaining ring	1	1
55	1101299	Oil seal	2	2
56	1132120	Gasket, bearing cap	2	2
57	1132121	Bearing cap, RH	1	1
58	1902908	Screw, 10-32 x 7/8	8	8
59	1100244	Worm gear	1	1
60	1926202	Washer, shim .010 (use as many as necessary for a tight fit)		
61	1926201	Washer, shim .005 (use as many as necessary for a tight fit)		
62	1101299	Seal, oil	1	1

<i>ITEM</i>	<i>P/N</i>	<i>DESCRIPTION</i>	<u>QTY</u>	
			<i>111PM</i>	<i>112PM</i>
63	1930504	Retaining ring	1	1
64	1100073	Bearing w/snap ring	1	1
65	1100182	Washer	1	1
66	1132121	Bearing cap, LH	1	1
67	1100035	Gasket, bottom cover	1	1
68	1100898	Cover, bottom	1	1
69	1911401	Screw, 10-32 x ½	19	19
70	1100030	Expansion plug	1	1

FIGURE 4: Solenoid and Link Replacement



INDEX NO.	PART NO.	PART NAME	QUANTITY	
			111-PM	112-PM
1	1118833	Solenoid and link assembly.	1	
	1118832	● Solenoid, 115V.	1	
	1118831	● Link, solenoid.	1	
	1118830	● Shaft, solenoid link.	1	
	1930518	● Ring, retaining	2	
1	1128128	Solenoid and link assembly.		1
	1128136	● Solenoid, 230V.		1
	1118831	● Link, solenoid.		1
	1118830	● Shaft, solenoid link.		1
	1930518	● Ring, retaining		2
---	1128203	Solenoid latching retrofit kit.	1	1
2	1128201	● Bracket, solenoid mounting.	2	2
3	1128202	● Shaft	1	1
4	1930518	● Ring, retaining	2	2

FIGURE 5: Electrical Schematic Diagram

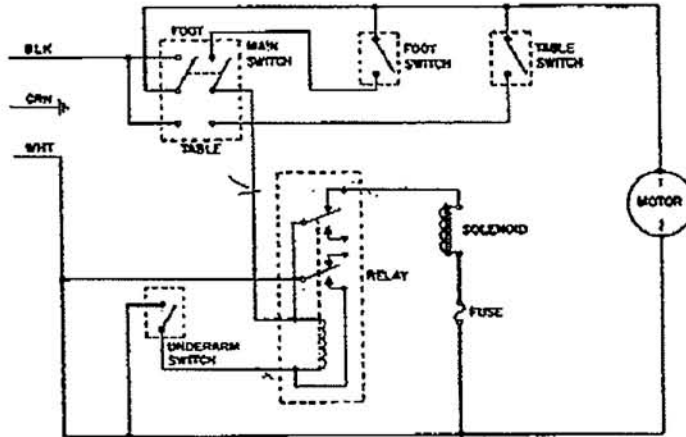
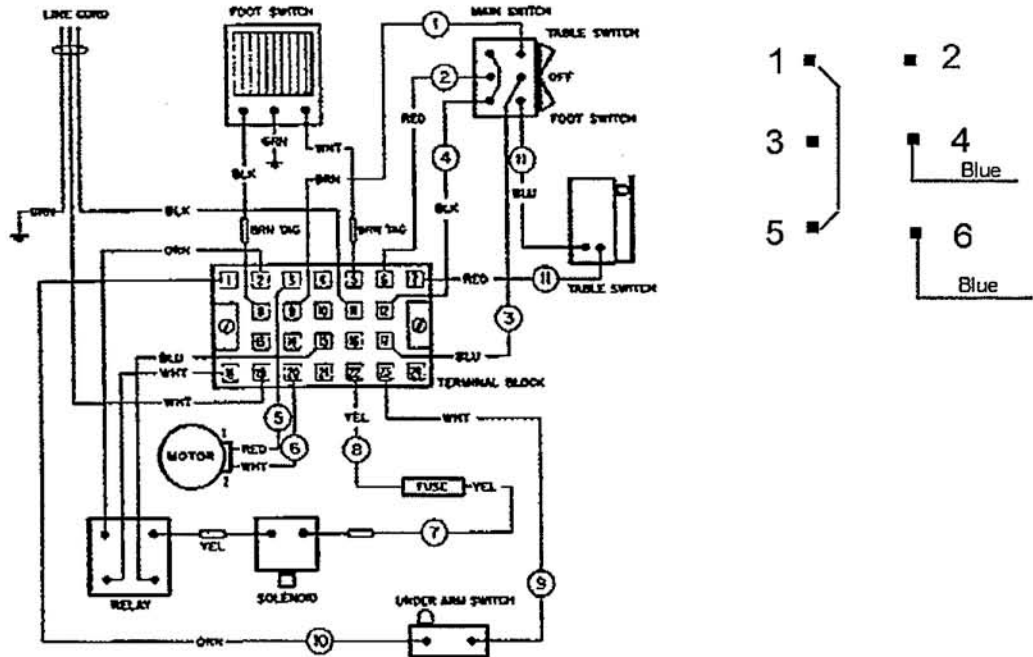
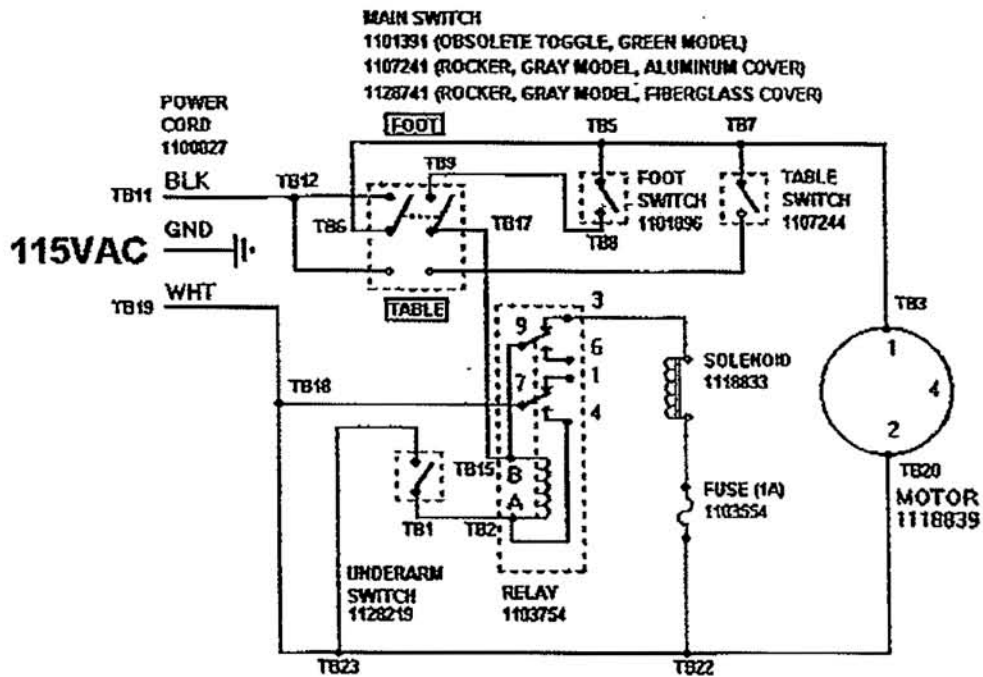


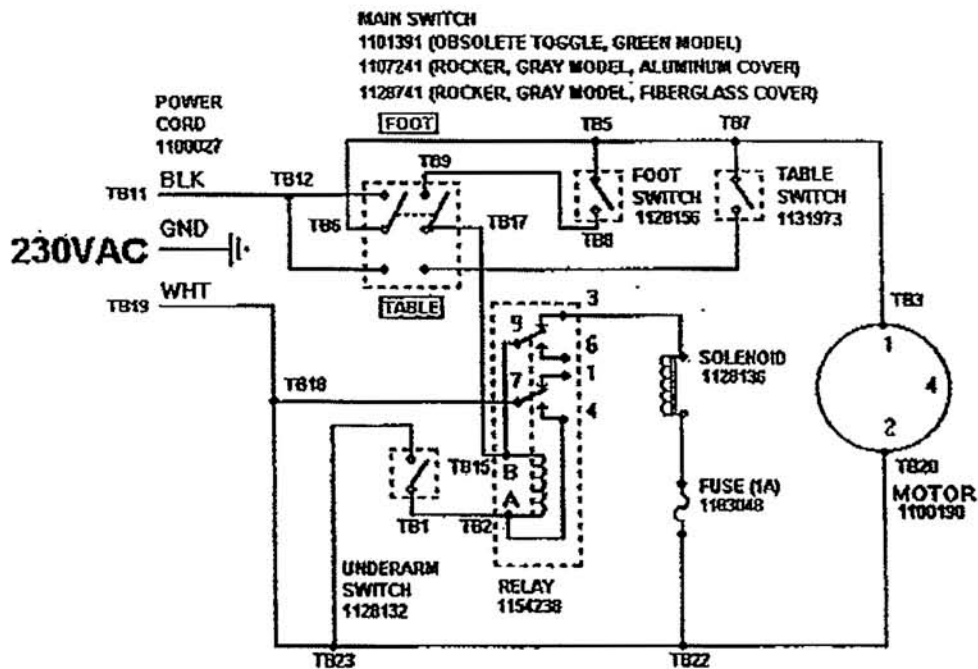
FIGURE 6: Electrical Wiring Diagram





TB# REFERS TO THE PIN NUMBER IN THE TERMINAL BLOCK

111PM (ASSY# 1103701, GREEN & GRAY MODELS)



TB# REFERS TO THE PIN NUMBER IN THE TERMINAL BLOCK

112PM (ASSY# 1103771, GREEN & GRAY MODELS)