



Electronic Service Manuals

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PARTS LIST

PACEMAKER

MODELS 168100
168105
168500
168505

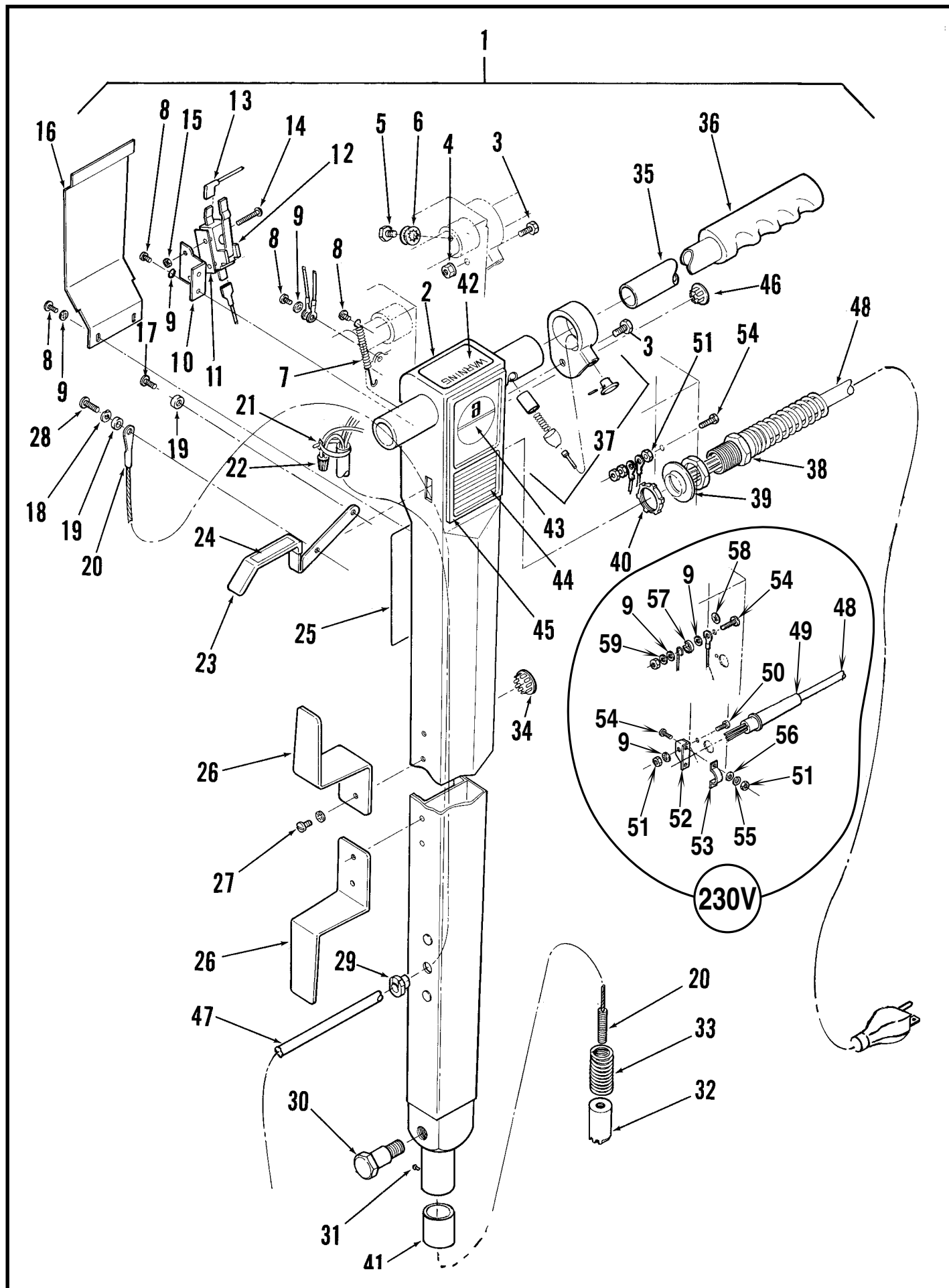
revised 10/96 Form Number 042090

* This parts list is for machines built from March 1983 to June 1991 and replaces revision 3/83. Reference note on inside of back cover.



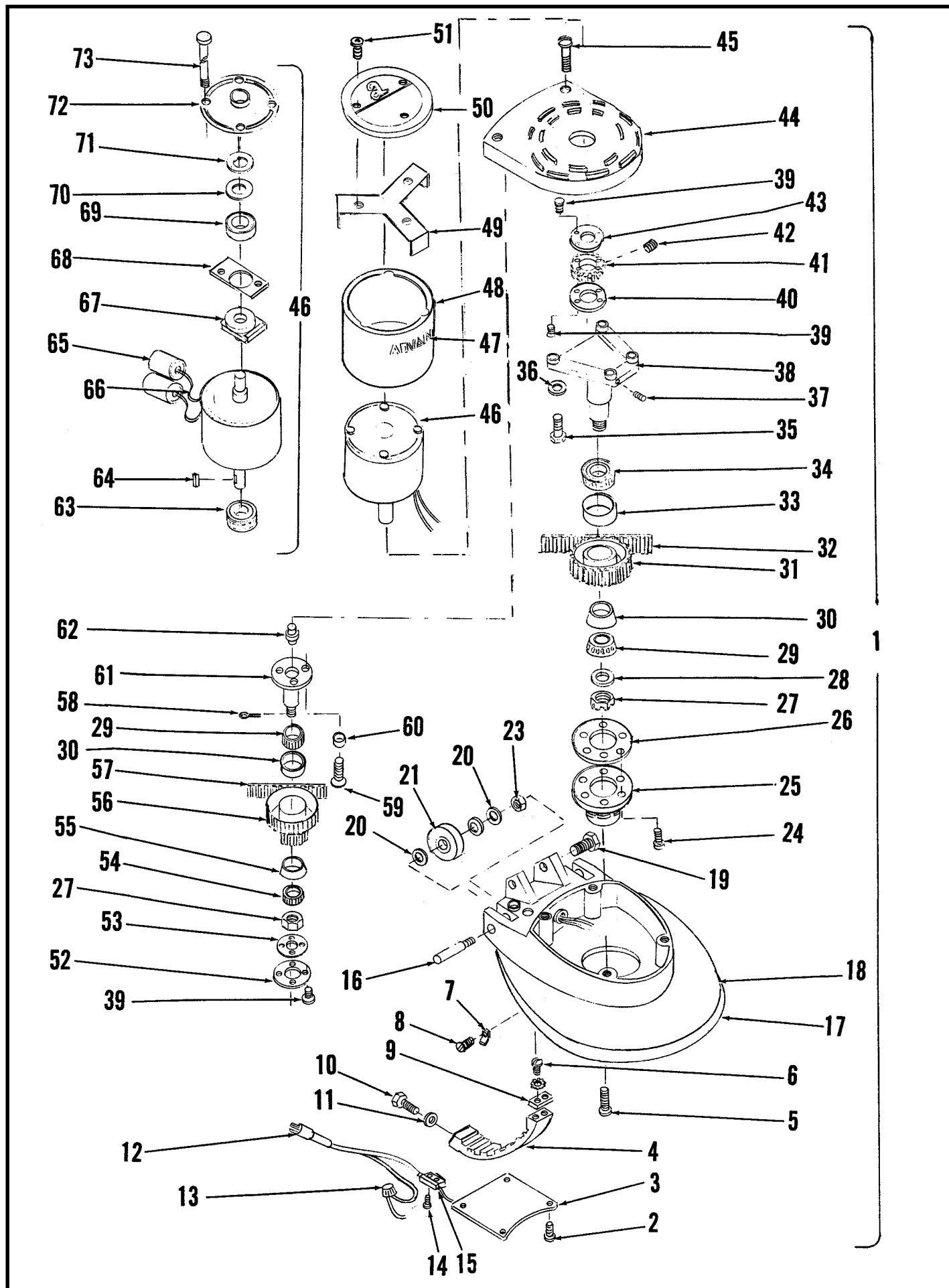
ADVANCE
MACHINE COMPANY





HANDLE ASSEMBLY

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
1	171275	1	Handle Ass'y., 115V	34	153699	3	Plug Button
	171430	1	Handle Ass'y., 230V	35	172198	1	Tube, Handle TSB494, G-10
2	172258	1	Handle	36	514085	2	Grip, Handle
3		1	Screw, Hex Hd. 1/4-20 x 1/2	37	172219	1	Safety Lock Ass'y.
4		1	Nut, Whiz 1/4-20		172209	1	Collar
5	234079	1	Screw		201405	1	Knob
6		2	Washer, Shakeproof 5/16		201472	1	Pin
7	445177	1	Spring		172266	1	Plunger
8		6	Screw, #8-32 x 1/4 HP-5		201448	1	Spring
9		4	Washer, Shakeproof #8		172201	1	Bushing
10	171209	1	Bracket	38	109630	1	Strain Relief
11	171225	1	Switch, Snap TSB494, G-10	39	171093	1	Washer
12	321338	1	Insulator	40	171094	1	Nut, Hex
13	321311	1	Tab Receptacle	41	171269	1	Bushing
14		2	Screw, Pan Hd. #4-40 x 7/8	42	014924	1	Decal, Warning
15		1	Nut, Hex #4-40	43	014600	1	Decal, Advance
16	172262	1	Cover	44	014853	1	Decal, Insert
17		1	Screw, #10-24 x 3/8 HP-5	45	014598	1	Decal, Plate
18	150150	1	Washer Bowed	46	157244	1	Plug Button
19	151092	2	Spacer	47	171128	1	Cord Set, 115V & 230V
20	171099	1	Cable Ass'y.	48	524069	1	Cord Set, 115V
21	478246	1	Cable Tie		300227	1	Cord Set, 230V
22	321737	1	Wire Nut	49	301396	1	Strain Relief
23	171126	1	Lever	50		1	Screw, #8-32 x 3/8 230V
24	014856	1	Decal, Handle	51		3	Nut, #8-32 (6 used on 230V)
25	014828	1	Decal, Warning	52	171434	1	Bracket 230V
26	172213	2	Hook Cord	53	300542	1	Clamp, Strain Relief 230V
27		4	Screw, #10-32 x 3/8 HP-5	54		3	Screw, Pan Hd. #8-32 x 5/8
28		1	Screw, #10-24 x 1/2 HP-5	55		5	Washer, Shakeproof #8 230V
29	382817	1	Strain Relief	56		2	Washer, Flat 230V
30	171097	2	Bolt, Pivot	57	325274	1	Washer Cupped 230V
31		1	Screw, Drive #4 x 1/4	58	014119	1	Decal, Ground Symbol 230V
32	171132	1	Plunger	59	325276	1	Washer 230V
33	171123	1	Spring				



BASE ASSEMBLY

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
1			Omitted Intentionally	524804	1	Motor, 17" 115V/230V/50hz	
2		4	Screw,Pan Hd. #8-32 x 3/8			OBS	
3	168665	1	Plate, Cover 17"	524806	1	Motor, 20" 115V/230V/50hz	
	168670	1	Plate, Cover 20"			Note #3	
4	171104	1	Ratchet	47	014532	1	Decal, Advance
5		2	Screw, Rd. Hd. 5/16-18 x 3	48	167499	1	Shroud, 17"
6		2	Screw, Pan Hd. 1/4-20 x 1/2		168641	1	Shroud, 20"
7	168706	2	Clamp, Bumper	49	524430	1	Clamp (Lear Siegler)
8		2	Screw, Oval Hd. #10-32 x 3/4		524436	1	Clamp (Doerr)
9	171105	1	Shim	50	167282	1	Cover, Motor
10		2	Screw, Hex Hd. 1/4-20 x 3/4	51		1	Screw, #8-32 x 1/2 HP-5
11		2	Washer, Spring 1/4	52	158305	1	Cap
12	171129	1	Cord Set, #14/3	53	163457	1	Gasket
13	321737	2	Connector Wire	54	158216	1	Bearing, Cone
14		4	Screw, Pan Hd. #4-40 x 7/8	55	158208	1	Cup, Bearing
15	468309	1	Switch Ass'y.	56	157872	1	Idler Gear
16	520845	2	Axle	57	158402	1	Belt, Flex-O-Gear
17	166458	1	Bumper, 17"	58		2	Cotter Pin 1/16 x 1
	166505	1	Bumper, 20"	59		3	Screw, Flat Hd. 1/4-20 x 3/4
18	168124	1	Skirt Housing w/Bumper 17"	60	155144	3	Washer
	168123	1	Skirt Housing w/Bumper 20"	61	155128	1	Idler Shaft
19	171097	2	Screw, Handle Pivot	62	155136	1	Eccentric, Idler Shaft
20	155373	2	Washer, Bowed	63	154091	1	Bearing
21	161691	2	Wheel	64	153135	1	Key
22	155411	2	Washer	65	153958	2	Capacitor, 270-300 mfd.
23		2	Nut, Hex 3/8-16		164463	2	Capacitor, 200-260 mfd.
24	009127	6	Screw, Flat Hd. #10-24 x 5/8 HP-5	66	154905	2	Wire Ass'y.
25	163430	1	Drive Cap	67	524885	1	Switch, Rotating 50hz.
26	158275	1	GasKet				(Lear Siegler)
27	158313	2	Nut, Slotted 5/16	524887	1	Switch, Rotating 60hz.	
28	163449	1	Washer				(Lear Siegler)
29	378267	2	Bearing, Cone	524889	1	Switch, Rotating 50hz. (Doerr)	
30	378259	2	Cup, Bearing	524891	1	Switch, Rotating 60hz.(Doerr)	
31	163384	1	Gear Pulley	100672	1	Switch, Rotating Note #4	
32	158364	1	Belt, Flex-O-Gear	524893	1	Switch Stationary	
33	158143	1	Cup,Bearing	100671	1	Switch Stationary Note #4	
34	158151	1	Bearing, Cone	69	372773	1	Bearing
35		4	Screw, Hex Hd. 3/8-16 x 1-1/4	70	163319	1	Washer
36	162957	4	Washer	71	320153	1	Load Spring
37		2	Screw, Socket Set 5/16-18 x 3/8	72	524883	1	End Bell, (Lear Siegler)
38	161489	1	Stud Shaft		524881	1	End Bell, (Doerr)
39		12	Screw, Swage #4-40 x 1/4	73	524871	4	Screw, 17" (Lear Siegler)
40	163414	1	Washer		524877	4	Screw, 17" (Doerr)
41	158089	1	Gear Pulley		524879	4	Screw, 20" (Lear Siegler)
42		1	Screw, Socket Set #10-24 x 3/8		524873	4	Screw, 20" (Doerr)
43	158119	1	Washer				
44	166240	1	Housing, Drive				
45		2	Screw, Fil. Hd. 5/16-18 x 1-1/4				
46	524793	1	Motor, 17" 115V/230V/60hz				
			Note #1				
	524796	1	Motor, 20" 115V/230V/60hz				
			Note #2				

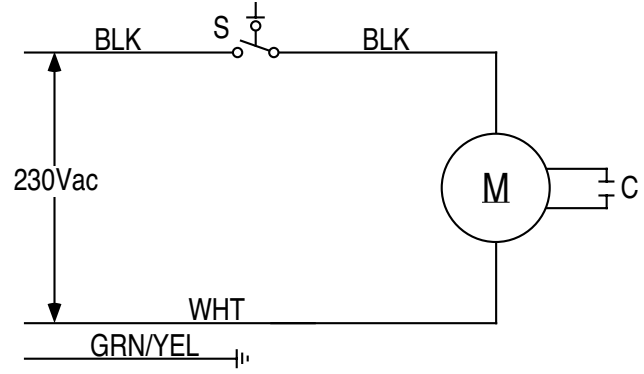
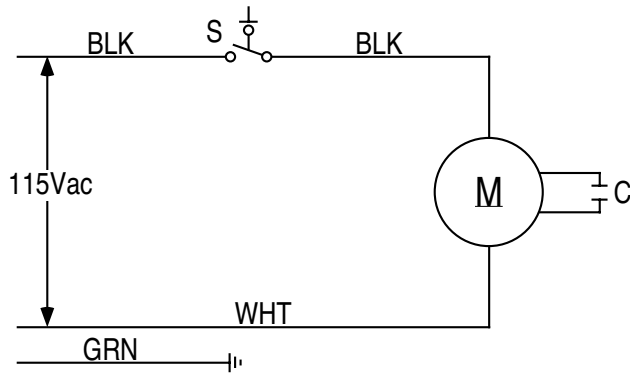
Note #1: This motor is obsolete, order kit #100079 to replace.

Note #2: This motor is obsolete, order kit #100080 to replace.

Note #3: This motor is obsolete, order kit #100081 to replace.

Note #4: This part is for replacement purposes for the motors in kit nos. 100079, 100080, 100081.

Note #5: See **TSB 628, G-8** for information on clutch plate change.



115V WIRING DIAGRAM

230V WIRING DIAGRAM

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
S	171225	1	Switch, Snap TSB494, G-10	S	171225	1	Switch, Snap TSB494, G-10
M	524793	1	Motor, 17" 115V/60hz	M	524804	1	Motor, 17" 230V/50hz OBS
	524796	1	Motor, 20" 115V/60hz		524806	1	Motor, 20" 230V/50hz
			Note #1, Page 4				Note #3, Page 4
C	153958	2	Capacitor, 270-300 mfd.	C	164463	2	Capacitor, 200-260 mfd.

OPTIONAL BRUSHES

Part No.	Qty	Description	Part No.	Qty	Description
17" BRUSHES			20" BRUSHES		
505055	1	Magna Grit™ 46 Brush, 17"	505058	1	Magna Grit™ 46 Brush, 20"
505054	1	Dyna Grit™ 80 Brush, 17"	505048	1	Dyna Grit™ 80 Brush, 20"
505078	1	MidLite Grit™ 180 Brush, 17"	505079	1	MidLite Grit™ 180 Brush, 20"
505082	1	MidGrit™ 240 Brush, 17"	505083	1	MidGrit™ 240 Brush, 20"
505059	1	AgLite™ 500 Brush, 17"	505063	1	AgLite™ 500 Brush, 20"
505331	1	Prolene Brush, 17"	505450	1	Prolene Brush, 20"
505076	1	ProLite™ Brush, 17"	505077	1	ProLite™ Brush, 20"
505334	1	Union Mix Brush, 17"	505454	1	Union Mix Brush, 20"
505330	1	Short-Trim Pad Holder, 17"	505455	1	Short-Trim Pad Holder, 20"
505180	1	Level-Set Pad Holder, 17"	505183	1	Level-Set Pad Holder, 20"
505530	1	Soft-Touch™ Shampoo Brush, 17"	505531	1	Soft-Touch™ Shampoo Brush, 20"
505537	1	Soft-Touch™ Shampoo Brush Assy, 17"	505538	1	Soft-Touch™ Shampoo Brush Assy, 20"
506001	1	Clutch Plate for Above Brushes (zinc)	506001	1	Clutch Plate for Above Brushes (zinc)
182058	A/R	"Pad Grab" Pad Retainer (snap in)	182058	A/R	"Pad Grab" Pad Retainer (snap in)
393567	A/R	"Big Mouth" Pad Retainer (threaded)	393567	A/R	"Big Mouth" Pad Retainer (threaded)

* **NOTE:** Reference the machine date plate for month and year date code.
Example: "A92" - A = January, B = February, C = March, etc. / 92 = 1992(year built).