SERVICE PARTS LIST

BULLETIN NO.
55-40-6140

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS

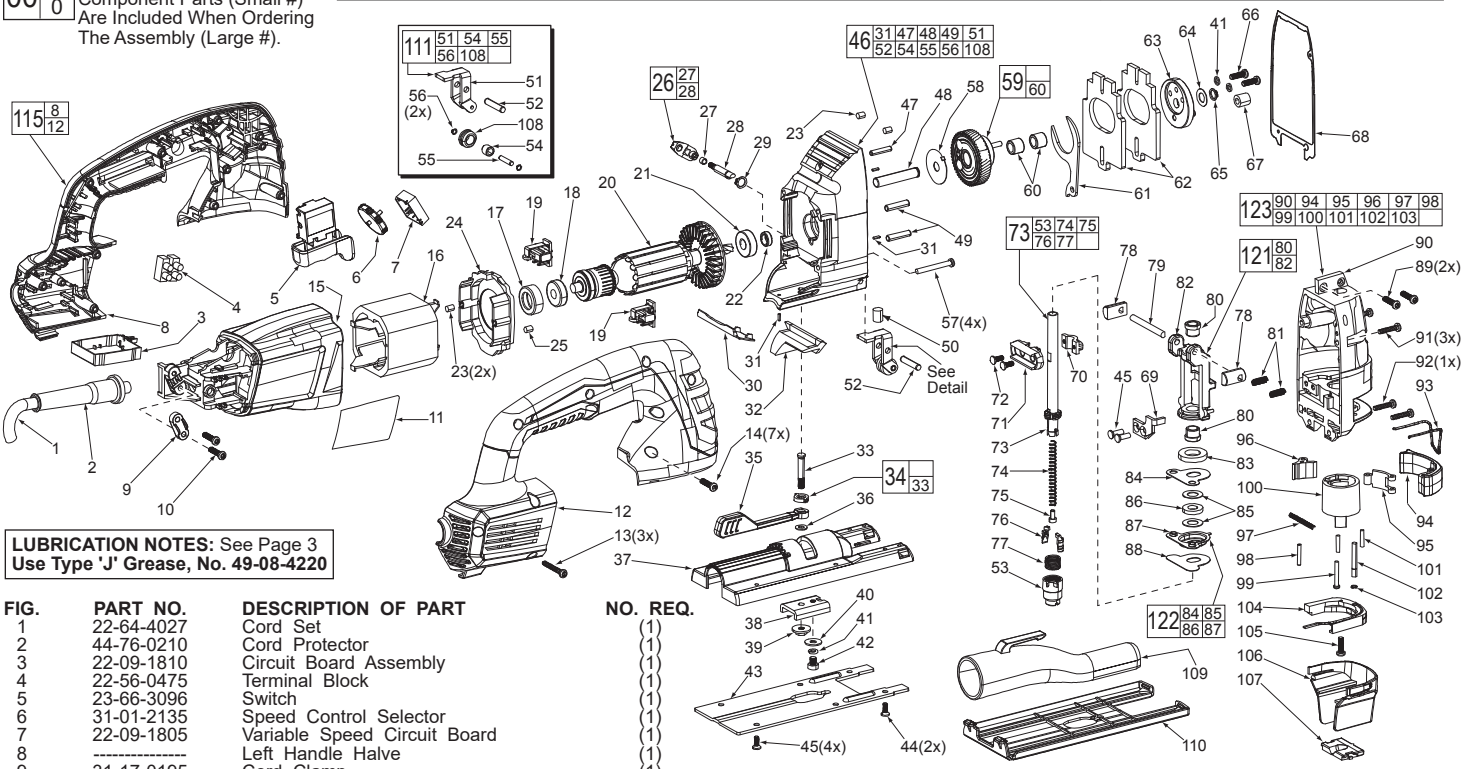
REVISED BULLETIN	DATE
	Aug. 2013

JIG SAW

CATALOG NO.	6278-59B	SERIAL NUMBER	E36A

WIRING INSTRUCTION
See Pages 2 & 3

00 / 0 **EXAMPLE:** Component Parts (Small #) Are Included When Ordering The Assembly (Large #).



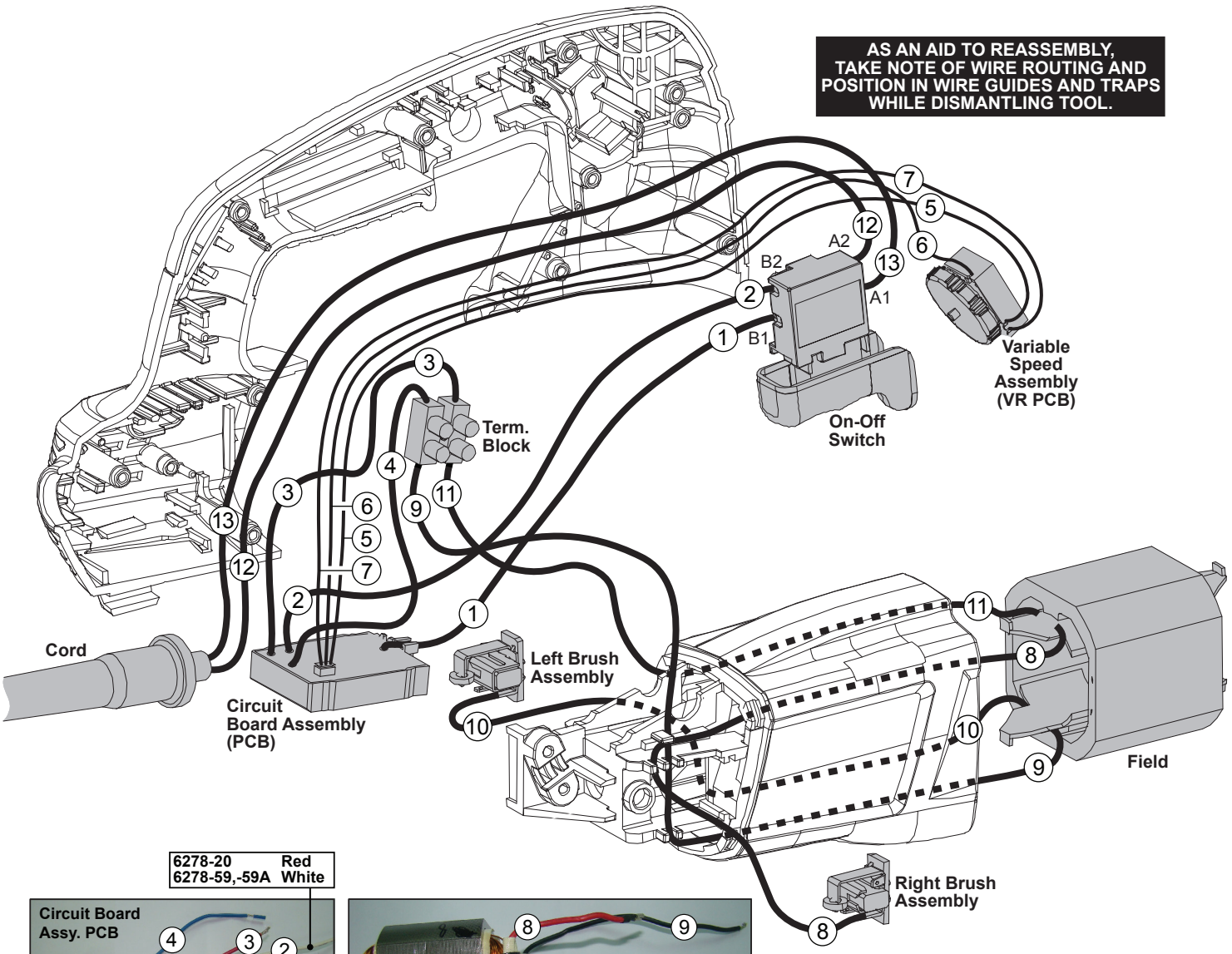
LUBRICATION NOTES: See Page 3
Use Type 'J' Grease, No. 49-08-4220

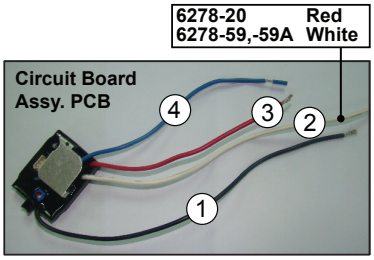
FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
1	22-64-4027	Cord Set	(1)
2	44-76-0210	Cord Protector	(1)
3	22-09-1810	Circuit Board Assembly	(1)
4	22-56-0475	Terminal Block	(1)
5	23-66-3096	Switch	(1)
6	31-01-2135	Speed Control Selector	(1)
7	22-09-1805	Variable Speed Circuit Board	(1)
8	----------	Left Handle Halve	(1)
9	31-17-0195	Cord Clamp	(1)
10	05-88-5376	M4 x 12 Screw	(2)
11	----------	Service Nameplate	(1)
12	----------	Right Handle Halve	(1)
13	05-88-1300	M4 x 28 Screw	(3)
14	05-88-1200	M4 x 16 Screw	(7)
15	31-50-6000	Motor Housing	(1)
16	18-07-0230	Service Field	(1)
17	42-78-7030	Bearing Cup	(1)
18	02-04-6000	Ball Bearing	(1)
19	22-22-1560	Brush Assembly	(2)
20	16-07-0330	Service Armature	(1)
21	02-04-6001	Ball Bearing	(1)
22	45-36-7090	Spacer	(1)
23	44-86-0680	Rubber Bumper	(4)
24	31-05-6000	Baffle	(1)
25	44-68-0685	Rubber Pin	(1)
26	30-58-0105	Orbit Adjustment Lever Assembly	(1)
27	----------	Orbital Adjustment Stop	(1)
28	----------	Orbital Adjustment Shaft	(1)
29	34-60-0770	E-Ring	(1)
30	31-05-6001	Airflow Guide Plate	(1)
31	----------	Pin	(3)
32	42-68-0880	Clamping Claw	(1)
33	----------	Bolt	(1)
34	30-58-0125	Fixed Wedge Assembly	(1)
35	44-10-0700	Adjustable Base Lever	(1)
36	45-88-1990	Washer	(1)
37	28-06-1280	Base	(1)
38	31-17-0570	Base Clamp	(1)
39	05-59-0900	Fix Nut	(1)
40	45-88-2060	Washer	(1)
41	45-88-1890	Washer	(3)
42	05-81-1030	M4 Hex Screw	(1)
43	42-92-1580	Slide Plate	(1)
44	05-88-1208	M4 x 13 Screw	(2)
45	05-81-1050	M4 x 10 Screw	(6)
46	28-14-6280	Gearcase/Blade Guide Assembly	(1)
47	----------	Pin	(1)
48	----------	Pin	(1)
49	----------	Pin	(2)
50	06-65-0420	5 x 9.6 Pin	(1)
51	----------	Blade Guide Holder	(1)
52	06-65-0410	5 x 24 Pin	(1)
53	----------	Blade Clamp Sleeve	(1)
54	----------	Needle Bearing	(1)
55	----------	Pin	(1)
56	42-70-0525	E-Ring	(2)
57	06-81-5376	M4 x 34 ST Screw	(4)
58	45-88-3070	Washer	(1)
59	32-30-0205	Output Gear Assembly	(1)
60	----------	Needle Bearing	(2)
61	44-66-1630	Drive Plate	(1)
62	42-28-0500	Balance Block	(2)
63	44-66-1510	Eccentricity Plate	(1)
64	45-88-3071	Washer	(1)
65	34-60-0750	E-Ring	(1)

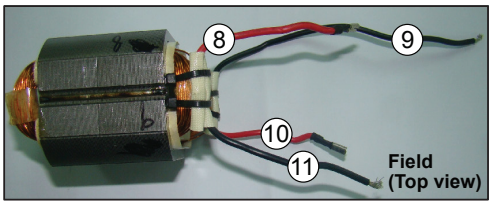
FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
66	05-88-1206	M4 x 12 Screw	(2)
67	02-50-1260	Needle Bearing	(1)
68	43-44-0611	Gasket	(1)
69	44-66-1290	Pressing Plate	(1)
70	45-98-0405	Cover Plate	(1)
71	45-98-0400	Connecting Link	(1)
72	05-88-1204	M3.5 x 10 Screw	(2)
73	38-50-0755	Spindle Assembly	(1)
74	----------	Spring	(1)
75	----------	M2.5 x 10 Screw	(1)
76	----------	Clamp Plate	(2)
77	----------	Spring	(1)
78	44-74-0170	Pivot Post	(2)
79	06-65-0310	Pin	(1)
80	----------	Sleeve Bearing	(2)
81	40-50-0780	Spring	(2)
82	----------	Spindle Guide	(1)
83	45-06-1205	Fiber Seal	(1)
84	----------	Oil Cover Plate	(1)
85	----------	Washer	(2)
86	----------	Fiber Seal	(1)
87	----------	Oil Rear Plate	(1)
88	45-06-1210	Rubber Seal	(1)
89	05-78-5313	M4 x 9 ST Screw	(2)
90	----------	Gearcase Cover	(1)
91	05-81-1040	M4 x 18 Screw	(3)
92	05-88-1210	M4 x 9 Screw	(1)
93	43-54-0780	Wire Guard	(1)
94	----------	Lever	(1)
95	----------	Link Rod	(1)
96	44-10-0690	Sleeve Lever	(1)
97	40-50-4410	Spring	(1)
98	----------	Pin	(1)
99	----------	M3 x 22 Screw	(1)
100	45-22-0190	Rotate Sleeve	(1)
101	----------	2.5 x 14 Pin	(2)
102	----------	3.2 x 30 Pin	(1)
103	----------	E-Ring	(1)
104	31-15-2215	LED Holder	(1)
105	06-82-5266	Screw	(1)
106	31-15-2210	Chip Shield	(1)
107	43-84-1030	Splinter Guard	(1)
108	----------	Blade Roller Guide	(1)
109	31-03-0065	Vacuum Attachment	(1)
110	31-15-0690	Base Plate	(1)
111	42-36-0281	Blade Guide Assembly	(1)
115	31-44-2376	Handle Assembly	(1)
121	42-40-1160	Saw Bar Guide/Sleeve Assembly	(1)
122	45-06-1030	Oil Cover Assembly	(1)
123	28-14-6285	Gearcase Cover/Release Lever Assy.	(1)

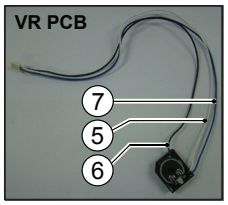
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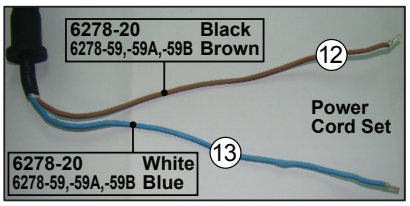
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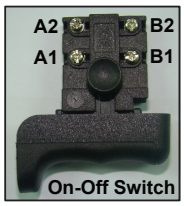








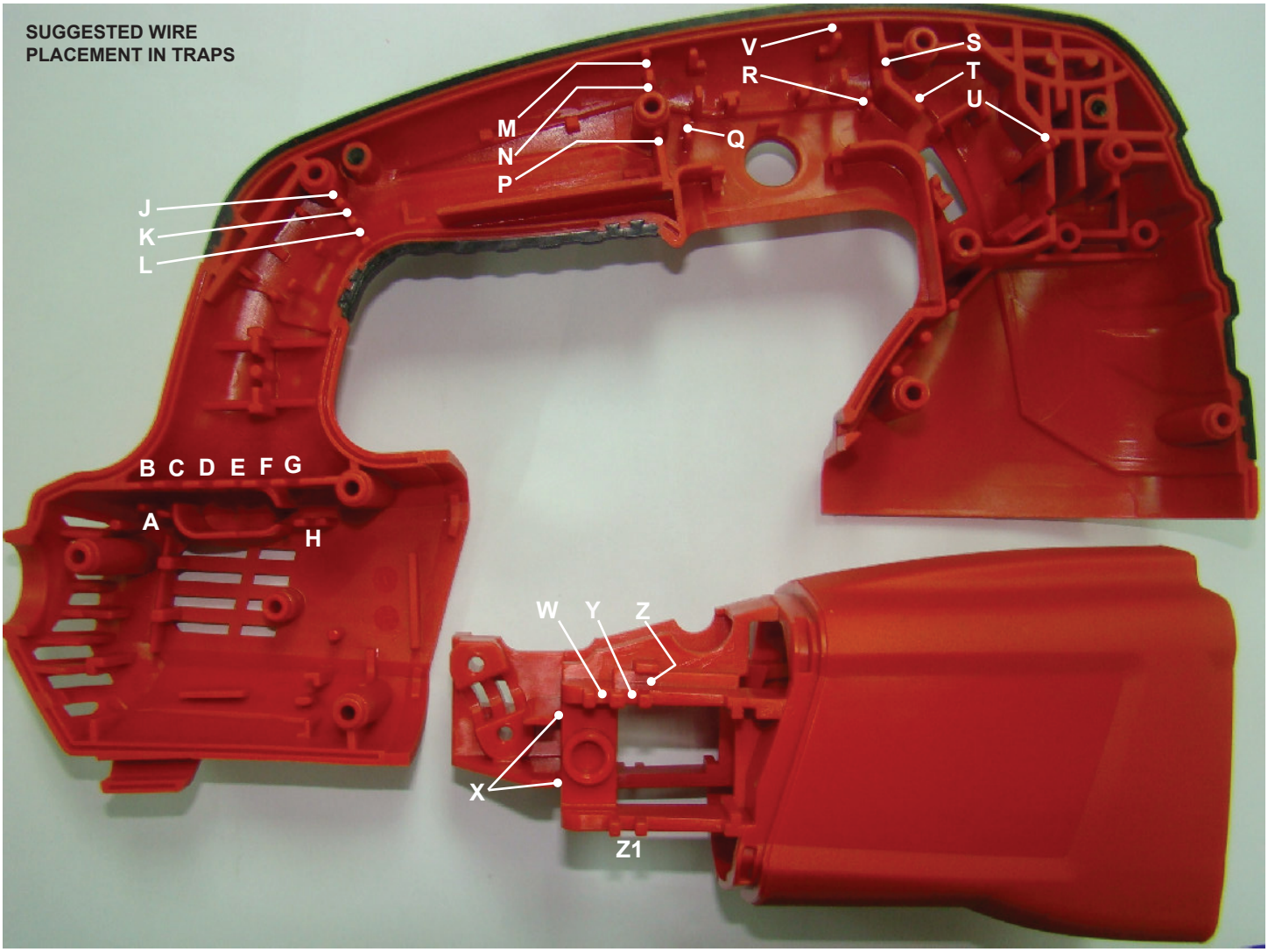




SEE PAGE 3 FOR WIRING SCHEMATIC AND WIRE ASSEMBLY METHOD

WIRING SPECIFICATIONS

Wire No.	Wire Color	Origin or Gauge	Length	Terminals, Connectors and 1 or 2 End Wire Preparation
1	Black	PCB	-----	Route black wire from Circuit Board Assembly to 'B1' on the On-Off Switch.
2	White	PCB	-----	Route red wire from Circuit Board Assembly to 'B2' on the On-Off Switch.
3	Red	PCB	-----	Route red wire from Circuit Board Assembly to top right position on Terminal Block.
4	Blue	PCB	-----	Route blue wire from Circuit Board Assembly to top left position on Terminal Block.
5	White	VR PCB	-----	Plug 3 wire harness into Circuit Board Assembly. Route wires 5, 6 and 7 together, as described.
6	Black	VR PCB	-----	
7	Blue	VR PCB	-----	
8	Red	Field	-----	Route red wire from top right of Field to Right Brush Assembly.
9	Black	Field	-----	Route black wire from bottom right of Field to bottom left position on the Terminal Block.
10	Red	Field	-----	Route red wire from bottom left of Field to Left Brush Assembly.
11	Black	Field	-----	Route black wire from top left of Field to bottom right position on the Terminal Block.
12	Brown	Cord	-----	Route black power cord lead to 'A2' position on the On-Off Switch.
13	Blue	Cord	-----	Route white power cord lead to 'A1' position on the On-Off Switch.



WIRE ASSEMBLY METHOD

STEP 1) Connect black PCB wire (#1) to 'B1' on 'on-off' switch. Route the wire through traps H, G, L and N.

STEP 2) Connect red PCB wire (#2) to 'B2' on 'on-off' switch. Route the wire through traps A, C, J and N.

STEP 3) Connect red PCB wire (#3) to top right position on terminal block. Route the wire through traps A and C.

STEP 4) Connect blue PCB wire (#4) to bottom left position on terminal block. Route the wire through traps A and B.

STEP 5) Connect red field wire (#8) to the right brush assembly. Route wire through traps Z and W.

STEP 6) Connect red field wire (#10) to the left brush assembly. Route wire through similar traps on opposite side of motor housing.

STEP 7) Connect black field wire (#9) to top left position on terminal block. Route wire through traps Z1, Y and D.

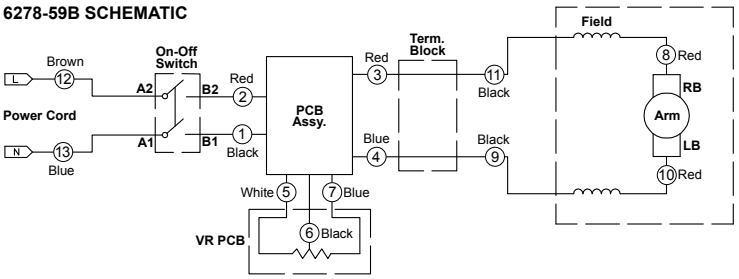
STEP 8) Connect black field wire (#11) to bottom right position on terminal block. Route wire through traps H and G.

STEP 9) Plug 3 wire harness connector (for wires #5, #6, #7) into PCB Assembly. Route the white, black and blue wires through the following traps: X, E, L, P, Q, R, S. At this point place VR PCB assembly in handle cavity and route black wire (#6) through trap T. Route white wire (#5) and blue wire (#7) through trap U.

STEP 10) Connect black power cord wire (#12) to 'A2' on 'on-off' switch. Route the wire through traps F, L, M and V.

STEP 11) Connect white power cord wire (#13) to 'A1' on 'on-off' switch. Route the wire through traps F, K, M and V.

6278-59B SCHEMATIC



LUBRICATION NOTES:
Use Type 'J' Grease, No. 49-08-4220

When servicing, remove 90-95% of the existing grease prior to installing Type “J”. Original grease may be similar in color but not compatible with “J”.

Coat internal components of Gearcase/Blade Guide Assembly (46) with approx. 1/4 oz. grease (front and back) prior to installing into assembly. (Lightly coat steel pins (47, 48, 49) inside Gearcase prior to reassembly)

Coat internal components of Gearcase Cover Assembly (123) with approx. 1/8 oz. grease and place another approx. 1/8 oz. grease in the top of the Gearcase Cover.