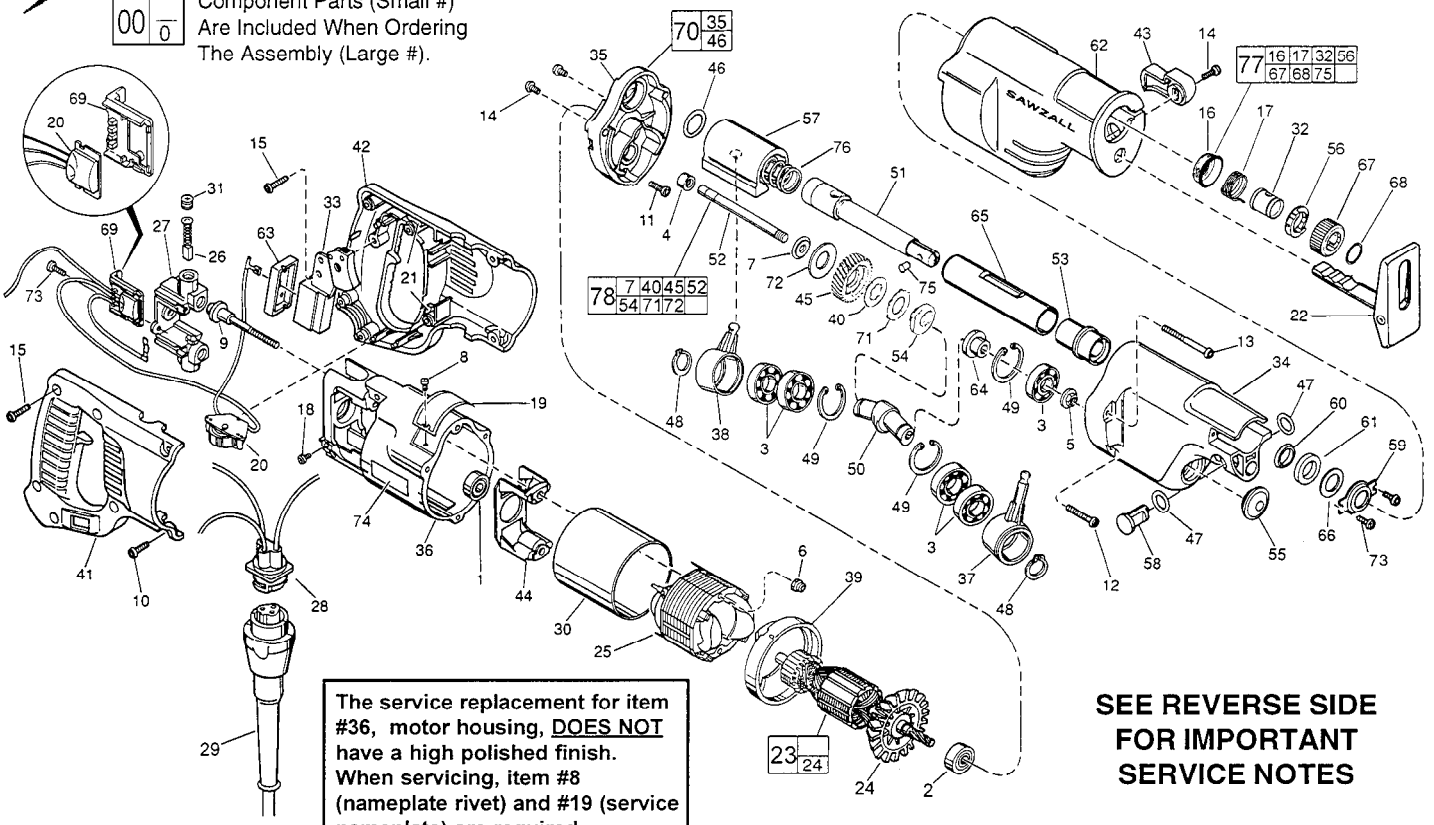
SERVICE PARTS LIST

BULLETIN NO. 54-40-7525

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS	REVISED BULLETIN	DATE
75th ANNIVERSARY SUPER SAWZALL®		Jan. '99
CATALOG NO. 6537-75 / STARTING SERIAL NUMBER 986A		WIRING INSTRUCTION 58-01-0775

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



The service replacement for item #36, motor housing, DOES NOT have a high polished finish. When servicing, item #8 (nameplate rivet) and #19 (service nameplate) are required.

SEE REVERSE SIDE FOR IMPORTANT SERVICE NOTES

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
1	02-04-0845	Ball Bearing	(1)
2	02-04-0911	Ball Bearing	(1)
3	02-04-1510	Ball Bearing	(5)
4	02-50-2150	Needle Bearing	(1)
5	06-55-3790	Spinlock Hex Nut 5/16-24	(1)
6	06-57-2975	8-32 Flexlock Hex Nut	(2)
7	43-78-0530	Spring Retainer	(1)
8	06-72-1720	Nameplate Rivet	(2)
9	06-81-1060	8-32 x 2-1/4" Field Bolt	(2)
10	06-82-5316	8-32 x 1/2" Pan Hd. Slt. Tapt. T-20	(4)
11	06-82-5320	8-32 x 5/8" Pan Hd. Slt. Tapt. T-20	(1)
12	06-82-5390	8-32 x 1-1/4" Pan Hd. Slt. Tapt. T-20	(2)
13	06-82-5502	8-32 x 2-1/4" Pan Hd. Slt. Tapt. T-20	(2)
14	06-82-7252	8-32 x 3/8" Pan Hd. Slt. Tapt. T-20	(3)
15	06-82-7270	8-16 x 5/8" Pan Hd. Slt. Plas. T-20	(6)
16	31-15-0511	Spring Cover	(1)
17	40-50-0161	Torsion Spring	(1)
18	06-95-5150	6-32 x 1/4" Hex Hd. Taptite Sems	(1)
19	12-99-1735	Service Nameplate	(1)
20	14-20-3020	Remote Dial Assembly	(1)
21	14-46-1001	Foam Slug Kit - 10 Slugs	(1)
22	14-74-0270	Shoe Assembly	(1)
23	16-30-0570	120 V. Armature	(1)
24	22-84-0531	Fan Assembly	(1)
25	18-31-0510	120 V. Field	(1)
26	22-18-0910	Carbon Brush Assembly	(2)
27	22-22-1380	Brush Holder Assembly	(1)
28	22-56-0815	Pin Housing Assembly	(1)
29	48-76-4008	8' Quik-Lok Cord	(1)
30	23-16-0456	Field Insulator	(1)
31	23-44-0190	Brush Retaining Cap	(2)
32	45-22-0081	Sleeve	(1)
33	23-66-1490	Switch	(1)
34	28-14-2176	Gear Case	(1)
35	28-28-1876	Diaphragm	(1)
36	28-50-6220	Motor Housing	(1)
37	30-72-0082	Primary Wobble Plate	(1)
38	30-72-0092	Secondary Wobble Plate	(1)
39	31-05-0055	Baffle	(1)
40	43-06-0685	Metal Disc	(1)
41	31-44-1661	Right Handle Half	(1)

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
42	31-44-1666	Left Handle Half	(1)
43	31-52-0010	Shoe Release Lever	(1)
44	31-55-0190	Coil Shield	(1)
45	32-40-2095	Gear	(1)
46	34-40-1280	O-Ring	(1)
47	34-40-4200	O-Ring	(2)
48	34-60-1315	Ext. Retaining Ring	(2)
49	34-80-2600	Internal Retaining Ring	(3)
50	36-92-0701	Wobble Shaft	(1)
51	38-50-5835	Reciprocating Spindle	(1)
52	42-12-0150	Axle - Wobble Shaft	(1)
53	42-24-0430	Spindle Bearing	(1)
54	43-78-0525	Drive Hub	(1)
55	42-52-0380	Bearing Cap	(1)
56	42-50-0077	Rear Cam	(1)
57	42-87-0090	Counter Balance	(1)
58	44-60-1200	Lock Pin	(1)
59	44-86-0375	Seal Retainer	(1)
60	45-06-0475	Poly Pack Seal	(1)
61	45-06-0500	Felt Seal	(1)
62	45-12-0460	Gear Case Insulator	(1)
63	45-12-0470	Dust Shield	(1)
64	45-36-1450	Spacer	(1)
65	45-76-0320	Tube Chassis	(1)
66	45-88-8577	Washer	(1)
67	42-50-0076	Front Cam	(1)
68	34-60-3680	External Retaining Ring	(1)
69	43-72-0176	Heat Sink Holder	(1)
70	28-28-2000	Diaphragm Assembly	(1)
71	43-06-0675	Bronze Disc	(1)
72	40-50-8850	Disc Spring	(1)
73	06-95-0075	6-32 x 3/8" Truss Hd. Taptite	(4)
74	12-20-6528	Service Nameplate	(1)
75	44-60-0626	Lock Pin	(1)
76	40-50-0165	Compression Spring	(1)
77	14-46-1011	Quik-Lok Clamp Kit	(1)
78	32-40-2101	IPS Gear Assembly (Super)	(1)

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FIG.	LUBRICATION
34	Place 2-3/4 oz. of type "L" grease, No. 49-08-4175, in mechanism cavity of gear case.
35	Place 3/4 oz. of type "N" grease, No. 49-08-4240, in diaphragm cavity near needle bearing.
40,45	Apply a thin coat of type "N" grease, No. 49-08-4240, between the gear and the metal disc.
61	Saturate with lightweight oil before assembly.

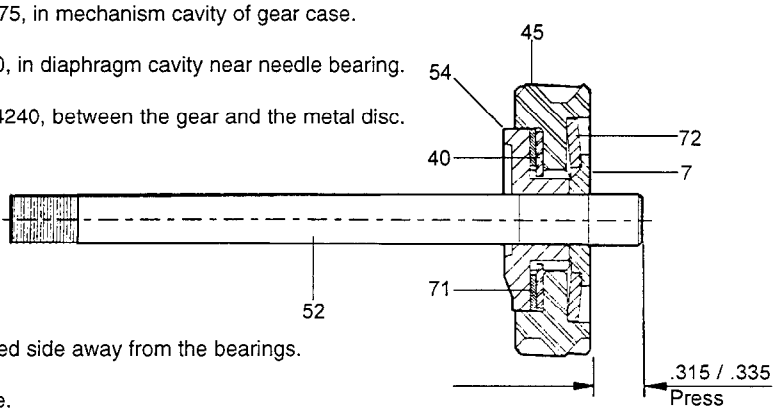
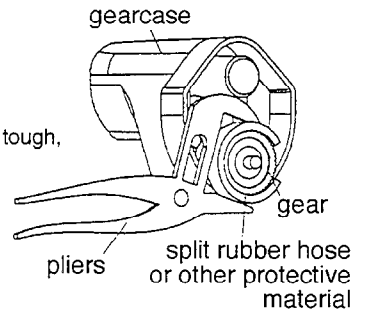
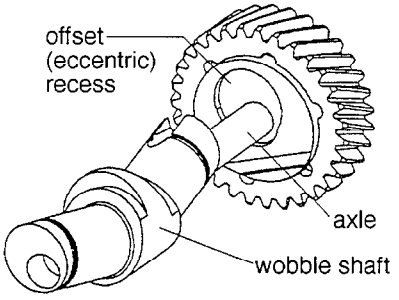


FIG.	NOTES
1	Seal side faces commutator.
1,2,3	Press bearings to shaft shoulders.
3,49	Retaining rings are to be installed with the beveled side away from the bearings.
4	Press bearing flush (±.005) to diaphragm surface.
5,7,52	Apply thread locking compound to threads of spinlock hex nut. Torque to 145in./lbs.-185 in./lbs. Axle Should extend .285 min. beyond spring retainer after seating torque to spinlock hex nut (not shown) is applied.
5,45	Hold the gear still with a large pair of pliers and a piece of rubber hose (or other tough, but pliable material to protect the gear from the jaws of the pliers) and remove the 5/16" spinlock hex nut with a wrench, as shown.
37,38,49	Internal retaining ring side faces center hub of wobble shaft.
40	Tabs engage drive hub.
45,52	See sketch for press specifications.
46	Replace each time gear case mechanism is serviced. O-ring opening of diaphragm and rear of tube chassis must be free of all grease prior to o-ring installation.
50,54	Make sure that the end of the wobble shaft fits into the offset (eccentric) recess in drive hub, as shown.
60	O-ring of seal towards rear of tool.
63	Non-conductive insulation of wires must pass through rubber dust shield; Provides proper sealing of switch from contamination.
65	Assembled with large O.D. chamfered end facing diaphragm - can be slip or press fit on spindle bearing.
71	Tabs engage gear.
72	Concave towards gear.



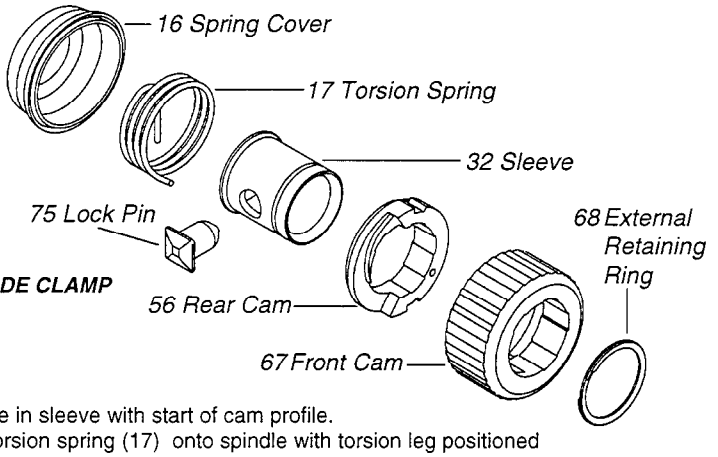


REMOVING THE KEYLESS QUIK-LOK® BLADE CLAMP

16,17,32,51, 56,67,68,75

To remove keyless blade clamp:

- Remove external retaining ring (68).
- Pull the front cam (67) off.
- Pull the lock pin (75) out.
- **Clean all parts before reassembly.**
- Coat lock pin (75) with powdered graphite.



REASSEMBLY OF THE KEYLESS QUIK-LOK® BLADE CLAMP

16,17,32,51, 56,67,68,75

To reassemble keyless blade clamp:

- Place spring cover (16) onto spindle (51).
- Place sleeve (32) into rear cam (56), positioning hole in sleeve with start of cam profile.
- Hold spindle with lock pin hole facing up and slide torsion spring (17) onto spindle with torsion leg positioned on same side as lock pin hole.
- Slide sleeve / rear cam onto spindle, inserting torsion leg of torsion spring into hole on rear cam.
- Rotate sleeve assembly in the direction of the arrows (located on spring cover) until hole in sleeve aligns with hole in spindle.
- Rotate rear cam until there is clearance for lock pin (75) to insert into sleeve / spindle holes. Insert lock pin.
- Align front cam (67) inner ribs with rear cam outer slots and slide front cam onto sleeve.
- Snap clamp to assure proper functioning before adding external retaining ring (68) to groove in sleeve.