



SERVICE PARTS LIST

BULLETIN NO.
55-40-5079

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS		REVISED BULLETIN	DATE
100 V SUPER SAWZALL		55-40-5078	May '98
CATALOG NO.	6522-5	WIRING INSTRUCTION	
	STARTING SERIAL NUMBER 862D	58-03-1360	

EXAMPLE:



Component Parts (Small #)
Are Included When Ordering
The Assembly (Large #).

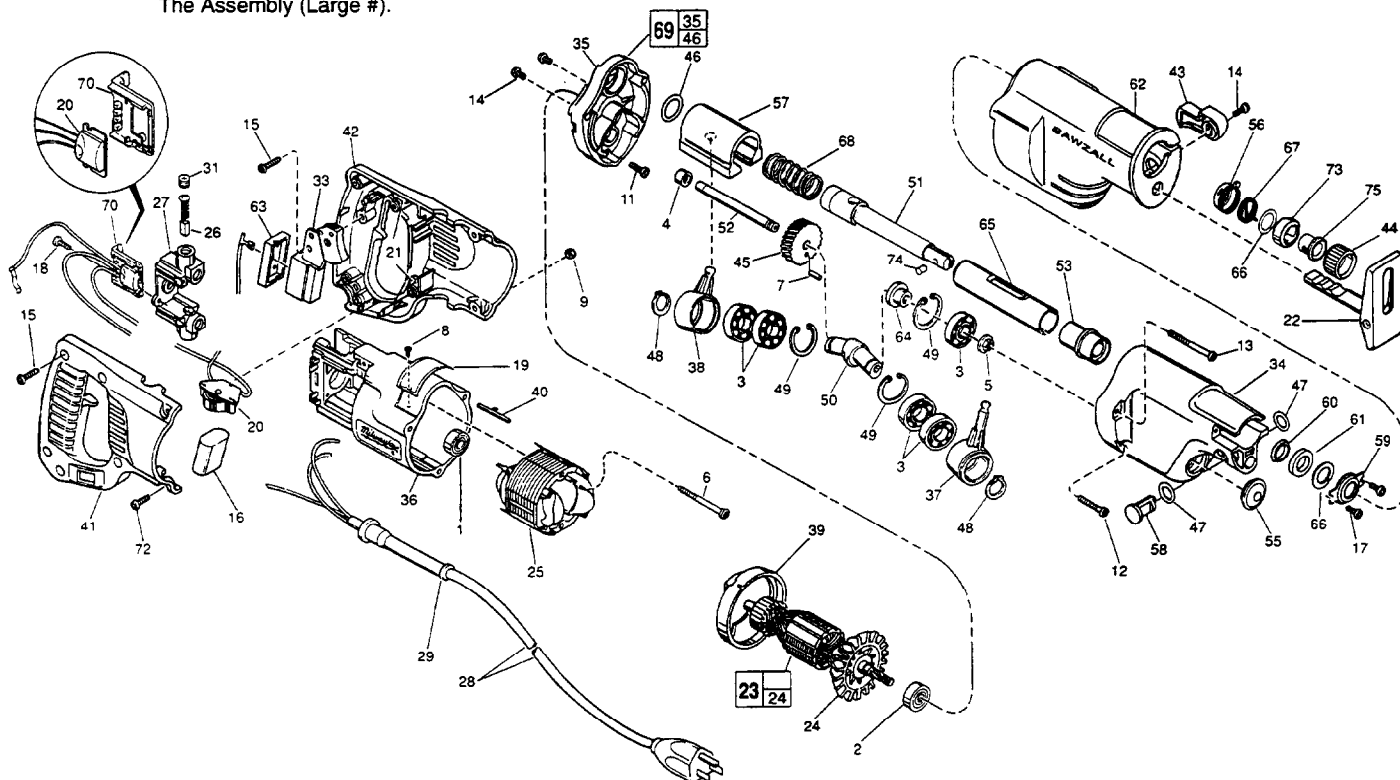


FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
1	02-04-0845	Ball Bearing	(1)
2	02-04-0911	Ball Bearing	(1)
3	02-04-1510	Ball Bearing	(5)
4	02-50-2150	Needle Bearing	(1)
5	06-55-3790	Spinlock Hex Nut 5/16-24	(1)
6	06-82-7410	8-16 x 1-7/8" Pan Hd. Slit. Plast. T-20	(2)
7	06-65-0606	3/16 x 1/2" Drivlok Pin	(1)
8	06-72-1720	Nameplate Rivet	(2)
9	06-55-0835	8-32 Hex Nut	(2)
11	05-88-8307	Pan Hd. PT T-15	(1)
12	06-82-5390	8-32 x 1-1/4" Pan Hd. Slit. Tapt. T-20	(2)
13	05-88-8301	Pan Hd. PT T-20	(2)
14	06-82-7252	8-32 x 3/8" Pan Hd. Slit. Tapt. T-20	(3)
15	06-82-7270	8-16 x 5/8" Pan Hd. Slit. Plast. T-20	(6)
16	14-20-0580	Suppressor Assembly	(1)
17	06-95-0075	6-32 x 3/8" Truss Hd. Taptite T-10	(2)
18	06-82-7240	6-19 x 1/2" Pan Hd. Slit. Plast. T-15	(2)
19	12-99-1730	Nameplate Blank	(1)
20	14-20-3025	Switch Module Assembly	(1)
21	14-46-1001	Foam Slug Kit - 10 Slugs	(2)
★ 22	14-74-0270	Shoe Assembly	(1)
23	16-34-0460	Armature	(1)
24	22-84-0531	Fan Assembly	(1)
25	18-31-0500	Field	(1)
★ 26	22-18-0910	Carbon Brush Assembly	(2)
27	22-22-1380	Brush Holder Assembly	(1)
28	22-64-3190	Cord Set	(1)
29	44-76-0210	Cord Protector	(1)
31	23-44-0190	Brush Retaining Cap	(2)
33	23-66-1490	Switch	(1)
34	28-14-2176	Gear Case	(1)
35	28-28-1876	Diaphragm	(1)
36	31-50-0020	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	44-60-0530	Ground Pin	(1)
41	31-44-1651	Right Handle Half	(1)
42	14-34-0423	Left Handle Half	(1)

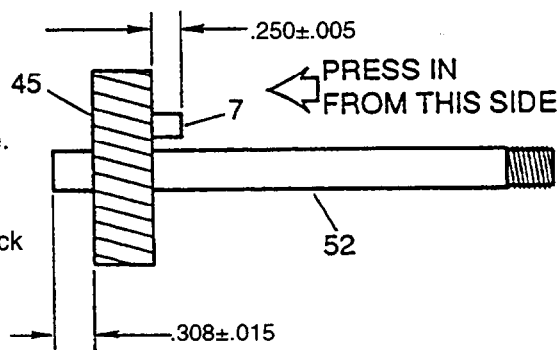
FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
43	31-52-0010	Shoe Release Lever	(1)
★ 44	31-15-0075	Plastic Collar	(1)
45	32-40-2218	Service Gear Assembly	(1)
46	34-40-1280	O-Ring	(1)
47	34-40-4200	O-Ring	(2)
48	34-60-1315	Ext. Retaining Ring	(2)
49	34-80-2600	Internal Retaining Ring	(3)
50	36-92-0701	Wobble Shaft	(1)
★ 51	38-50-5835	Reciprocating Spindle	(1)
52	42-12-0150	Axle - Wobble Shaft	(1)
53	42-24-0430	Spindle Bearing	(1)
55	42-52-0380	Bearing Cap	(1)
★ 56	31-15-0510	Spring Cover	(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	Polypak 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	45-88-8576	Washer	(2)
★ 67	40-50-0160	Torsion Spring	(1)
★ 68	40-50-0165	Compression Spring	(1)
69	28-28-2000	Diaphragm Assembly	(1)
70	43-72-0176	Heat Sink Holder	(1)
72	06-82-2390	8-32 x 1-1/4" Pan Hd. Slit. Mach. T-20	(2)
★ 73	42-50-0075	Cam Collar	(1)
★ 74	44-60-0625	Pin	(1)
★ 75	45-22-0080	Sleeve	(1)

**SEE REVERSE SIDE FOR
IMPORTANT SERVICE NOTES**

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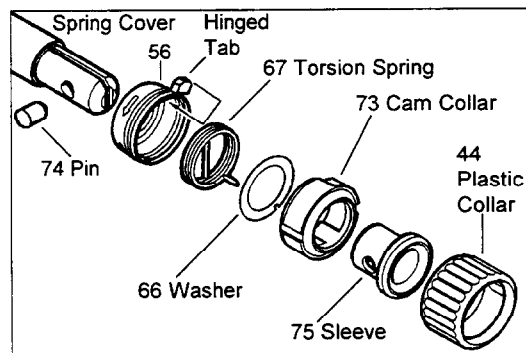
FIG.**NOTES:**

- 1 Seal side faces commutator.
- 2 Seal side faces fan.
- 4 Press flush to diaphragm surface - Mechanism side.
- 45/52 See sketch for press specifications.
- 5 Apply thread locking compound to threads of spinlock hex nut. Torque to 145 in./lbs. to 185 in./lbs.
- 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. 49-08-4230, in lower needle bearing-gear train cavity of diaphragm.
- 37/38/49 Internal retaining ring side faces center hub of wobble shaft.
- 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.
- 49 Sharp side of retaining ring faces ball bearing.
- 60 O-ring of polypak seal faces mechanism - toward rear of tool.
- 61 Soak in lightweight lubricating oil prior to assembly.
- 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.

**REMOVING THE KEYLESS QUIK-LOK BLADE CLAMP**

44,51,56,66,
67,73,74,75

To remove keyless blade clamp, pry or press off plastic collar. Pop up the hinged tab on spring cover. Rotate cam collar until it stops fully open. While holding cam collar, insert Sawzall blade to push pin partially out. Insert a rigid wire-like instrument, like a paper clip with a slight bend on the end. Locate the pin area on inside slot and twist the paper clip to remove the pin from spindle. (Use of a strong magnet may also remove the pin from spindle.)

**Clean all parts before reassembly.**

73,74

If cam collar or pin is replaced, coat pin with powdered graphite.

44,56

Always replace plastic collar and spring cover when servicing.**REASSEMBLY OF THE KEYLESS QUIK-LOK BLADE CLAMP**

44,51,56,66,
67,73,74,75

To reassemble keyless blade clamp, place sleeve (75) in cam collar (73) then place washer (66) on sleeve (75). Insert spring leg of torsion spring (67) into hole on cam collar (73) and slot in washer (66). Cover up with spring cover (56).

Facing the front end of the tool, position reciprocating spindle with the pin hole facing up. Slide keyless blade clamp assembly onto the spindle with slot in cam collar (73) toward the left. Rotate the assembly in the direction of the arrows, approximately 205°. A ground pin may be used to keep the slot and sleeve hole in alignment until hole in spindle is reached. Use a pliers to hold assembly and remove ground pin. Pin (74) can now be inserted into clamp. Snap clamp to assure proper functioning before adding plastic collar (44). Fold hinged tab on spring cover (56) into slot on cam collar (73) as shown. Tab must be present to assure proper function. Slide plastic collar (44) onto assembly. Rotate plastic collar (44) until keyways line up and slide plastic collar (44) over snap in spring cover (56).