SERVICE PARTS LIST

BULLETIN NO. 54-40-5211

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS				REVISED BULLETIN	DATE
SAWZALL®				54-40-5210	Jan. 2009
CATALOG NO.	**6509-20** **6509-22**	STARTING SERIAL NO.	**A17B**	WIRING INSTRUCTION	**58-01-0276**

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

★ = **Part number change** from previous service parts list.

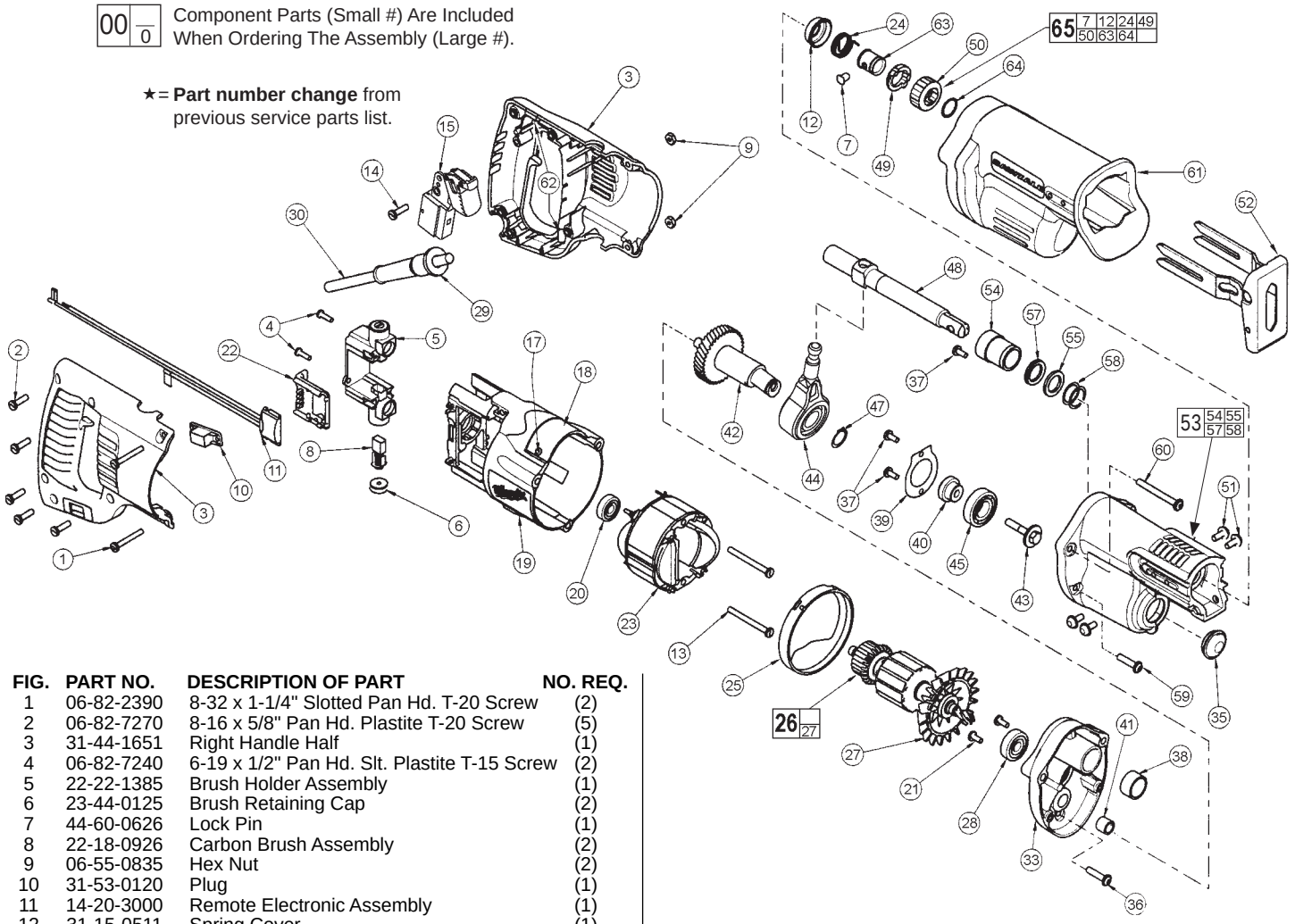

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
1	06-82-2390	8-32 x 1-1/4" Slotted Pan Hd. T-20 Screw	(2)
2	06-82-7270	8-16 x 5/8" Pan Hd. Plastite T-20 Screw	(5)
3	31-44-1651	Right Handle Half	(1)
4	06-82-7240	6-19 x 1/2" Pan Hd. Slt. Plastite T-15 Screw	(2)
5	22-22-1385	Brush Holder Assembly	(1)
6	23-44-0125	Brush Retaining Cap	(2)
7	44-60-0626	Lock Pin	(1)
8	22-18-0926	Carbon Brush Assembly	(2)
9	06-55-0835	Hex Nut	(2)
10	31-53-0120	Plug	(1)
11	14-20-3000	Remote Electronic Assembly	(1)
12	31-15-0511	Spring Cover	(1)
13	06-82-7410	8-16 x 1-7/8" Pan Hd. Plastite T-20 Screw	(2)
14	06-82-7270	8-16 x 5/8" Pan Hd. Plastite T-20 Screw	(1)
★ 15	23-66-1965	Variable Speed Switch	(1)
16	31-44-1656	Left Handle Half	(1)
★ 17	06-72-1720	Nameplate Rivet	(2)
18	12-99-1755	Service Nameplate	(1)
19	31-50-0020	Motor Housing	(1)
20	02-04-0845	Ball Bearing	(1)
★ 21	06-82-7253	8-32 x 3/8" Pan Hd. Slt. Taptite T-20	(2)
22	43-72-0176	Heat Sink Holder	(1)
23	18-31-0515	120 V. Field	(1)
24	40-50-0161	Torsion Spring	(1)
25	31-05-0055	Baffle	(1)
26	16-30-0570	120 V. Armature	(1)
27	22-84-0531	Fan Assembly	(1)
28	02-04-0915	Ball Bearing	(1)
29	44-76-0210	Cord Protector	(1)
30	22-64-0408	Cord Set	(1)
31	48-66-4080	Key Holder (Not Shown)	(1)
32	49-96-0070	5/32" Hex Key (Not Shown) Use on #51	(1)
33	28-28-1000	Diaphragm	(1)
35	42-52-0380	Bearing Cap	(1)
36	05-88-8309	K50 x 35mm Round Washer Hd. PT T-20	(1)
★ 37	06-82-7253	8-32 x 3/8" Pan Hd. Slt. Taptite T-20	(3)
38	42-24-0620	Rear Spindle Bearing	(1)
39	44-86-0055	Bearing Retainer	(1)
40	45-36-1440	Spacer	(1)
41	02-50-2150	Needle Bearing	(1)
42	36-92-1000	Wobble Shaft Assembly	(1)
43	06-75-0285	1/4-28 Washer Head Screw	(1)
★ 44	14-67-0135	Wobble Plate Assembly	(1)
★ 45	02-04-1510	Ball Bearing	(1)

SEE REVERSE SIDE FOR IMPORTANT SERVICE NOTES

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
47	34-60-1315	Retaining Ring	(1)
★ 48	38-50-0680	Reciprocating Spindle	(1)
49	42-50-0077	Rear Cam	(1)
50	42-50-0076	Front Cam	(1)
51	06-95-6270	10-24 x 1/2" Pan Hd. Taptite Sems Screw	(4)
52	45-16-0800	Pivot Shoe Assembly	(1)
★ 53	28-14-0996	Gear Case	(1)
★ 54	----------	Front Spindle Bearing	(1)
★ 55	----------	Felt Seal	(1)
★ 57	----------	Seal	(1)
★ 58	----------	Washer	(2)
59	06-82-5363	8-32 x 1" Washer Hd. Taptite T-20	(2)
60	05-88-0302	K50 x 60mm Round Washer Hd. PT T-20	(2)
61	45-12-1000	Gear Case Insulator	(1)
62	14-46-1001	Foam Slug Kit - 10 Slugs	(2)
63	45-22-0081	Sleeve	(1)
64	34-60-3680	External Retaining Ring	(1)
65	14-46-1011	Steel Quik-Lok Blade Clamp Kit	(1)

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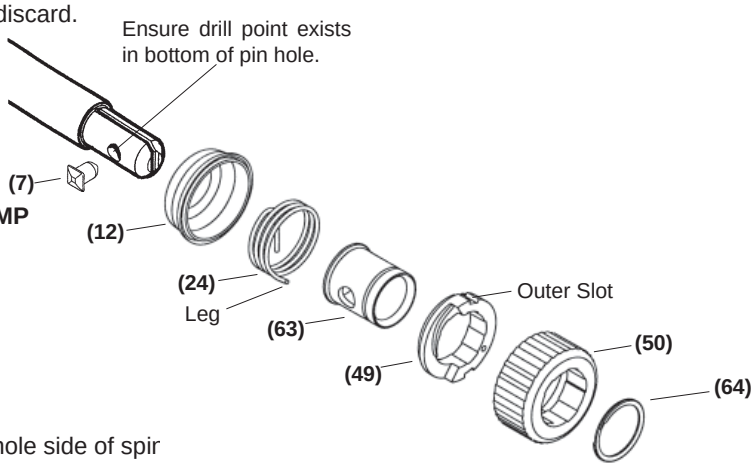
FIG.	LUBRICATION
53	Place 1/2 oz. of type "Y" grease, No. 49-08-5270, in gearing cavity near diaphragm.
53	Place 2-1/2 oz. of type "L" grease, No. 49-08-4175, in cavity in front of bearing plate.

FIG.	NOTES
20	Seal side faces commutator.
20,28,41,45	Press bearings to shaft shoulders.
38,39	Press rear spindle bearing flush to -.030 from front exterior face in diaphragm boss.
43	Torque to 80 in./lbs. to 120 in./ lbs.
33,41	Needle bearing is to be pressed from the open end flush to -.015 to face of bearing boss of diaphragm.
62	After routing wires, place one foam slug in each location shown on the front page. Center slugs on screw bosses and push down until flush with top of handle half.

REMOVING THE STEEL QUIK-LOK® BLADE CLAMP

- Remove external retaining ring (64) and pull front cam (50) off.
- Pull lock pin (7) out and remove remainder of parts and discard.



REASSEMBLY OF THE STEEL QUIK-LOK® BLADE CLAMP

- Coat new lock pin with powdered graphite.
- Hold tool in a vertical position.
- Place spring cover (12) onto spindle.
- Slide torsion spring (24) onto spindle with spring leg on hole side of spir
- Slide sleeve (63) onto spindle aligning hole on sleeve with hole in spindle.
- Slide rear cam (49) over sleeve until it bottoms on sleeve shoulder, ensure spring leg inserts into hole in rear cam.
- Rotate rear cam in the direction of the arrows located on spring cover until there is clearance for lock pin (7) to be inserted into sleeve/spindle holes. Insert lock pin.
- Align front cam (50) inner ribs with rear cam outer slots and slide front cam onto sleeve until it bottoms. Retaining ring (64) groove should be completely visible.
- Attach retaining ring by separating coils and inserting end of ring into groove, then wind remainder of ring into groove. Ensure ring is seated in groove.
- Blade clamp should rotate freely. During normal usage, debris may not allow blade clamp to rotate freely. The use of spray lubricant can help free blade clamp. In extreme conditions, follow these instructions to remove, clean and reassemble blade clamp.