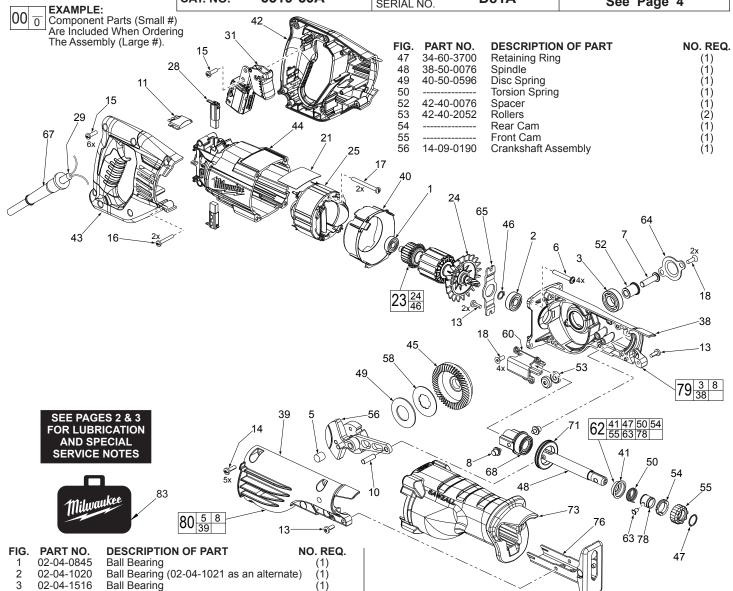
SERVICE PARTS LIST

Milwankee SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS SAWZALL® Reciprocating Saw WIRING INSTRUCTION STARTING SERIAL NO 6519-59A **D81A**

REVISED BULLETIN DATE Feb. 2017

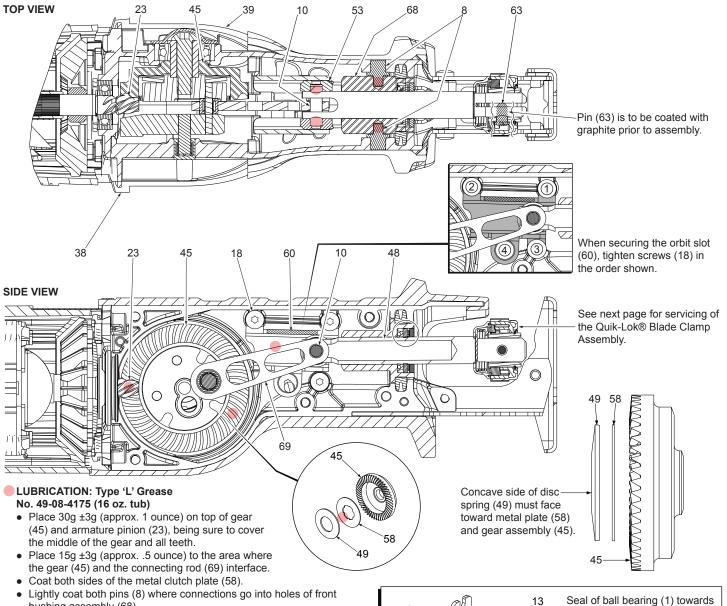
See Page 4



1	02-04-0845	Ball Bearing	(1)
2	02-04-1020	Ball Bearing (02-04-1021 as an alternate)	(1)
3	02-04-1516	Ball Bearing	(1)
5		Bushing	(1)
6	05-88-8309	K50 x 35mm Washer Hd. PT T-20 Screw	(4)
7	06-08-0017	Drive Hub Bolt (R.H. Thread)	(1)
8	06-65-0135	Pivot Pin	(2)
10	06-65-0145	Pin - Connecting Rod	(1)
11	14-20-3160	Remote Electronics Assembly	(1)
13	06-82-5314	10-24 x .5 Pan Hd. Tapt. T-25 Screw	(4)
14	06-82-5411	10-24 x .625 Pan Hd. Tapt. T-25 Screw	(5)
15	06-82-7270	8-16 x .625 Pan Hd. Slt. Plast. T-20 Screw	(6)
16	06-82-7326	8-16 x 1.00 Pan Hd. Slt. Plast. T-20 Screw	(2)
17	06-82-7410	8-16 x 1.875 Pan Hd. Slt. Plast. T-20 Screw	(2)
18	06-82-8870	1/2-DG50 Thread Form T-20 Screw	(6)
21		Service Nameplate	(1)
23	16-34-0305	Service Armature	(1)
24	22-84-0531	Fan	(1)
25	18-32-0300	Service Field	(1)
28	22-20-0055	Carbon Brush Assembly	(2)
29	22-64-0151	Cordset	(1)
31	23-66-0208	Switch	(1)
38	28-14-0045	Gearcase - Left	(1)
39	28-14-0046	Gearcase - Right	(1)
40	31-05-0195	Baffle	(1)
41		Spring Cover	(1)
42	31-44-0810	Handle - Left	(1)
43	31-44-0815	Handle - Right	(1)
44	31-50-0290	Motor Housing	(1)
45	32-05-0022	Bevel Gear Service Kit	(1)
46	34-60-0810	External Retaining Ring	(1)

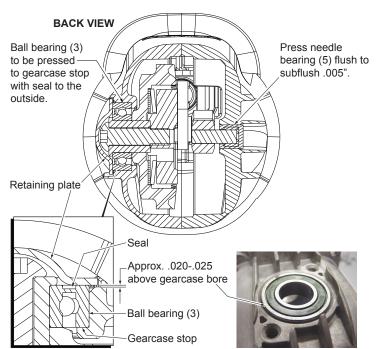
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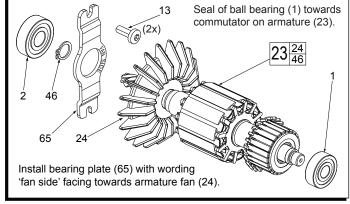
FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
58	43-06-0025	Metal Plate	(1)
60	43-56-0045	Orbit Slot	(1)
62	14-46-1062	Quik-Lok Blade Clamp Kit	(1)
63		Lock Pin	(1)
64	44-66-0280	Bearing Retaining Plate - Gearcase Bearing	(1)
65	44-66-1070	Bearing Retaining Plate - Armature Bearing	(1)
67	44-76-0210	Cord Protector	(1)
68	14-86-0105	Front Bushing Assembly	(1)
71	45-06-0230	'H' Seal	(1)
73	45-12-2056	Insulator	(1)
76	45-16-0030	Shoe Assembly	(1)
78		Sleeve	(1)
79	14-30-0145	Left Gearcase Assembly	(1)
80	14-30-0146	Right Gearcase Assembly	(1)
82	22-56-0451	Terminal Block (See Wiring Diagram)	(1)
83	42-55-2051	Carrying Case	(1)
	23-94-0100	Leadwire Assembly - Black (Not Shown)	(1)
	23-94-0530	Leadwire Assembly - Black (L3) (Not Show	
	23-94-0540	Leadwire Assembly - White (L4) (Not Show	
	23-94-0550	Leadwire Assembly - White (L5) (Not Show	n) (1)

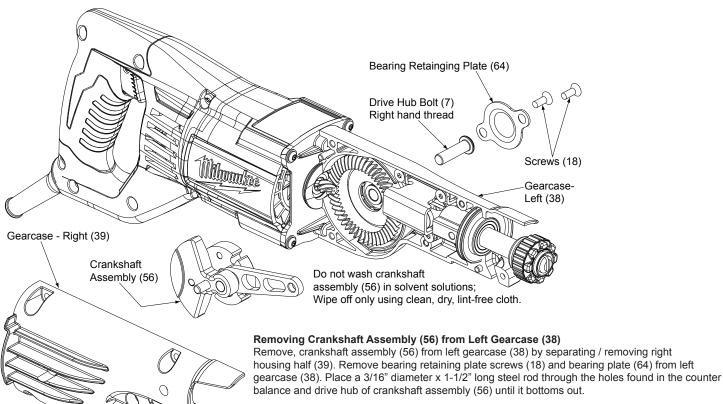


bushing assembly (68).

• Lightly coat both ends of pin (10) prior to installing rollers (53).







Next place a 3/16" hex key into drive hub bolt (7) and turn drive hub bolt slowly in a counter

clockwise direction until 3/16" steel pin rest against crankshaft assembly connecting rod. The 3/16" hex key can now be forcibly turned counter clockwise to loosen and remove drive hub bolt (7).

SMALL

INNER

RIB

LARGE

INNER

(55)

(54)

Reinstalling Crankshaft Assembly (56) into Left Gearcase (38)

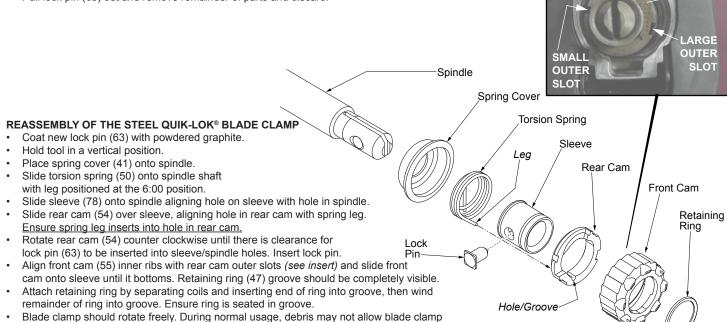
To reinstall drive hub bolt (7) to crankshaft assembly (56) apply Blue Loctite® (44-20-0090) to threads of drive hub bolt (7) and insert through spacer (52) aligning threads of drive hub bolt (7) with internal threads of crankshaft assembly hub. Use a 3 /16" hex key to turn the drive hub bolt (7) slowly in a <u>clockwise</u> direction until 3/16" steel pin rest against crankshaft assembly connecting rod (See 'Removing Crankshaft Assembly' instructions above). Using an inch pound torque wrench and a 3/16" hex key, torque drive hub bolt (7) to 210-240 in. lbs. or bolt can be tightened using a ft. lbs. torque wrench to 17-20 ft. lbs.

to rotate freely. The use of spray lubricant can help free blade clamp. In extreme conditions,

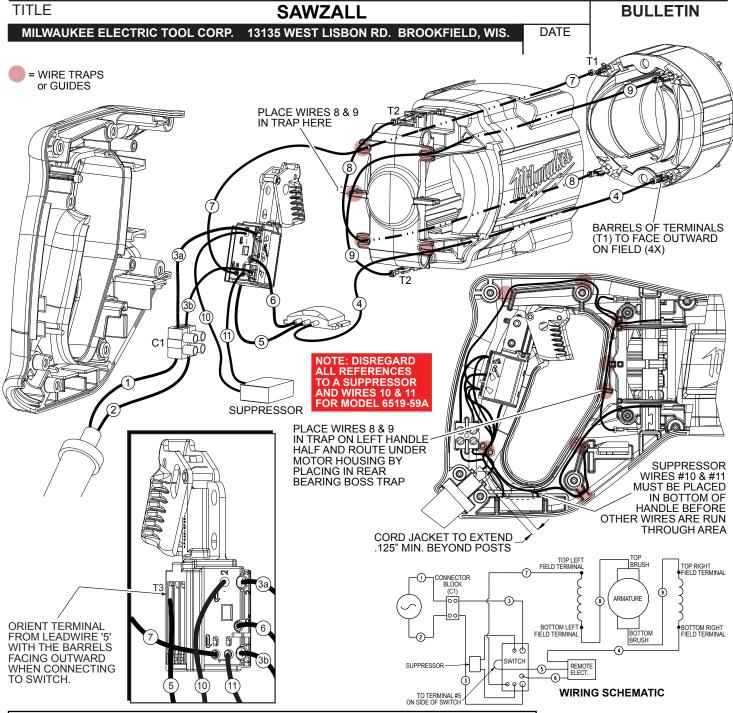
follow these instructions to remove, clean and reassemble blade clamp.

REMOVING THE STEEL QUIK-LOK® BLADE CLAMP

- · Remove external retaining ring (47) and pull front cam (55) off.
- Pull lock pin (63) out and remove remainder of parts and discard.



WIRING INSTRUCTIONS



WIRING SPECIFICATIONS					
Wire No.	Wire Color	Origin or Gauge	Length	Terminals, Connectors and 1 or 2 End Wire Preparation	
1	Brown	Cordset	1.5"	Strip .187" for connector block (C1) opposite black wire #3a.	
2	Blue	Cordset	1.5"	Strip .187" for connector block (C1) opposite black wire #3b.	
3a	Black	23-94-0100		Insert tinned end to '2↑' on switch. Connect stripped end to connector block (C1) opposite brown cord wire #1.	
3b	Black	23-94-0100		Insert tinned end to '1↑' on switch. Connect stripped end to connector block (C1) opposite blue cord wire #2.	
4	Black	Remote Mod.		Connect terminal (T1) to lower right field terminal.	
5	Black	Remote Mod.		Connect terminal (T3) to '5' on right side of switch.	
6	Black	Remote Mod.		Connect tinned end to '2a' on switch.	
7	White	23-94-0550		Connect tinned end to '1' on switch. Connect (T1) to upper left field terminal.	
8	White	23-94-0540		Connect (T2) to upper brush terminal and (T1) to lower left field terminal.	
9	Black	23-94-0530		Connect (T2) to lower brush terminal and (T1) to upper right field terminal.	

NOTE:

All leads must be held to \pm 1/8". All lead lengths are before stripping.

TERMINAL DESCRIPTION				
Code	e Part No.			
T1	23-94-1060	4		
T2	23-94-0017	2		
Т3	23-94-0010	1		

CONNECTOR DESCRIPTION				
Code	Part No.	Qnty.		
C1	22-56-0451	1		