## SERVICE PARTS LIST

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS

REVISED BULLETIN 54-40-7580

> (71) **42**)

DATE Oct. 2005

80 34 44 47 53 54 65 73

WIRING INSTRUCTION 58-01-0055

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1-1/4" STROKE SAWZALL®

milwaukee.® CATALOG NO.

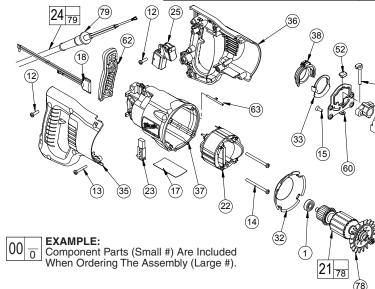
6536-21

STARTING SERIAL NO.

A66B

(7)

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FIG.	PART NO.	DESCRIPTION OF PART	NO. R
1	02-04-0845	Ball Bearing	(1)
2	02-04-0915	Ball Bearing	(1)
3	02-04-1510	Ball Bearing	(1)
4	02-50-2150	Needle Bearing	(1)
5	05-88-0302	K50 x 60mm Washer Hd. PT Screw	(4)
6	06-55-3790	5/16-24 Spinlock Hex Nut	(1)
7	06-65-0045	Dowel Pin	(2)
8	43-36-0125	Cam Follower	(1)
9	06.00.7050	Orbit Pivot Pin	(2)
10 11	06-82-7253	8-32 x .38 Taptite T-20 Screw DG50 x 10mm Screw	(3) (3)
12	06-82-7255 06-82-7270	8-16 x .625 Slt. Plastite T-20 Screw	(6)
13	06-82-7308	7-18 x 1.125 Slt. Plastite T-20 Screw	(2)
14	06-82-7453	8-16 x 2025 Slt. Plastite T-20 Screw	(2)
15	06-82-8870	1/2-DG50 Thread Form Screw	(4)
17	12-99-2581	Service Nameplate	(1)
18	14-20-3150	Remote Electronics Assembly	(1)
<b>*</b> 19	14-67-0125	Secondary Wobble Plate Assembly	(1)
<b>*</b> 20	14-67-0135	Primary Wobble Plate Assembly	(1)
21	16-30-0700	Service Armature	(1)
22	18-30-1700	Service Field	(1)
23	22-20-0590	Carbon Brush Assembly	(2)
24	22-64-1121	Cord Assembly	(1)
25	23-66-1965	Switch	(1)
29	14-30-0080	Orbit Pocket Assembly	(2)
30	28-14-2600	Gearcase	(1)
31	28-28-2600	Diaphragm	(1)
32	31-05-0155	Baffle	(1)
33 34	31-11-0130 31-15-0170	Orbital Cam Plate	(1) (1)
35	31-44-2500	Spring Cover Handle Half - Right	(1)
36	31-44-2501	Handle Half - Left	(1)
37	31-50-0085	Motor Housing	(1)
38	31-52-0045	Orbit Shift Lever	(1)
39	31-52-0090	Shoe Release Lever	(1)
40	32-40-2050	Intermediate Gear	(1)
41	34-40-0040	O-Ring	(2)
42	34-60-0125	Retaining Ring	(1)
43	34-60-1315	External Retaining Ring	(2)
44	34-60-3700	Retaining Ring	(1)
45	36-92-0701	Wobble Shaft	(1)
46	38-50-6400	Reciprocating Spindle	(1)
47	40-50-0162	Torsion Spring	(1)
48	40-50-8850	Disc Spring	(1)
49	42-12-0190	Wobble Shaft Axle	(1)
	42-24-0065	Front Spindle Bushing	(1)
51	42-24-0525	Rear Spindle Bushing	(1)
52	42-38-0055	Orbit Bumper	(1)
53	42-50-0355	Front Cam	(1)

42-50-0360

42-52-0380

42-87-0180 43-06-0676

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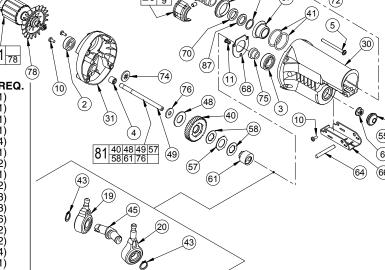
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Rear Cam

Bearing Cap Counter Weight

Bronze Plate



61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77	43-06-0685 43-56-0620 43-78-0575 44-52-1000 44-60-0530 44-60-1635 44-60-1750 44-66-0880 44-86-0035 44-86-0035 45-06-0110 45-06-0475 45-12-0700 45-16-0645 45-22-0175 45-28-0555 45-88-1555 45-88-1555 45-88-1555 45-88-1555 45-88-1555 45-88-1555 45-88-1555 45-88-1555 45-88-1555 45-88-1555 45-88-1555 45-98-0551 23-94-0025 23-94-0750	Bearing Retainer Orbit Seal Polypak Seal Gearcase Insulator Shoe Assembly Sleeve Slinger Spacer Washer Washer Fan Cord Protector Large Quik-Lok Blade Clamp Gear Protecting Clutch Assembly Felt Seal Ground Wire Assembly Leadwire Assembly	NO. REQ. (2) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1
	23-94-6755	Leadwire Assembly  Leadwire Assembly	(1) (1)

SEE REVERSE SIDE FOR IMPORTANT SERVICE NOTES

MILWAUKEE ELECTRIC TOOL CORPORATION 13135 W. LISBON RD., BROOKFIELD, WI 53005

FIG. 1	NOTES: Bearing to be installed with seal towards commutator.	
4,31	Press needle bearing flush ±.005 with inner surface of diaphragm.	
6,49	Apply Blue Loctite® 242 to treads of wobble shaft axle prior to installing spinlock hex nut. Torque spinlock	hex nut to 160-190 in. lbs.
6,40	Hold the intermediate 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.  gear (40)  spliers  split rubber hose or other protective material	
7,46,50,51,56	66 Press dowel pins flush to front side of front spindle bushing. Press dowel pins flush to back side of rear spindle bushing. <b>NOTE</b> : Reciprocating	shing (51) r weight (56) dowel pin (7) reciprocating
17,37	Install nameplate in motor housing recess prior to assembling diaphragm onto motor housing.  Orient counter weight	spindle (46)  front spindle
29,42	Service fixture #61-10-0205 must be used as shown with hole on when installing retaining ring (42) onto orbit bottom towards rear pocket assembly (29).	bushing (50)
40,57	Tabs of bronze plate engage intermediate gear.	
40,48	Concave side of disc spring towards intermediate gear.  Place a thin film of lubrication on dowel pins prior to assem	II (40 ~ // 🙈
58,61	Tabs of metal plates engage orbit drive hub.	
70	O-ring of polypak seal faces mechanism - toward rear of tool.  SMALL INNER	LARGE
Remove e     Pull lock p     REASSEMBLY     Coat new     Hold tool i     Place spri     Slide torsi     with leg p     Slide slee     Slide rear     Ensure sp     Rotate real lock pin (6     Align front cam onto     Attach returemainder     Blade clar to rotate fi	Shoulder extension of grease slinger should face bearing.  RIB  THE STEEL QUIK-LOK® BLADE CLAMP  The external retaining ring (44) and pull front cam (53) off.  The sk pin (65) out and remove remainder of parts and discard.  BLY OF THE STEEL QUIK-LOK® BLADE CLAMP  The ew lock pin with powdered graphite.  The in a vertical position.  The pring cover (34) onto spindle.  The position of spindle shaft of position of spindle aligning hole on sleeve with hole in spindle.  The pring cover sleeve, aligning hole in rear cam with spring leg.  The pring leg inserts into hole in rear cam.  The rear cam (54) counter clockwise until there is clearance for an (65) to be inserted into sleeve/spindle holes. Insert lock pin.  The ont cam (53) inner ribs with rear cam outer slots (see insert) and slide front the sleeve until it bottoms. Retaining ring (44) groove should be completely visible.  The retaining ring by separating coils and inserting end of ring into groove, then wind der of ring into groove. Ensurer ring is seated in groove.  The use of spray lubricant can help free blade clamp. In extreme conditions.	INNER RIB  (53)  (54)  LARGE OUTER SLOT  47 73 54 53 44

FIG.	LUBRICATION:
29,41	Lightly coat o-rings with lubrication for ease of installation onto assembled orbit pockets.
30	Place 3.2 oz. (80 grams ± 8 grams) of type "T" grease (Cat. No. 49-08-4290), in mechanism cavity of gear case.
31	Place .8 oz. (20 grams ± 2 grams) of type "T" grease (Cat. No. 49-08-4290), in lower needle bearing-gear train cavity of diaphragm.
40,58	Apply a thin coat of type "T" grease (Cat. No. 49-08-4290) between gear and metal plate.
65	Pin to be coated with graphite prior to assembly.
87	Soak in lightweight bushing oil prior to assembly.