NO. REQ.

(1) (1) (1) (2) (1) (1)

83 35 46 49 57 58 68 77

(46)

SERVICE PARTS LIST

STARTING

SERIAL NO. FIG.

58

59

60

61

62 63 PART NO.

42-50-0360

42-52-0380 42-87-0180

43-06-0676

43-06-0685

14-08-0075

43-56-0620

A65B

Rear Cam

Bearing Cap Counter Weight

Bronze Plate

Metal Plate

Orbit Plate

DESCRIPTION OF PART

Gear Protecting Clutch Assembly

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS SAWZALL® with ROTATING HANDLE

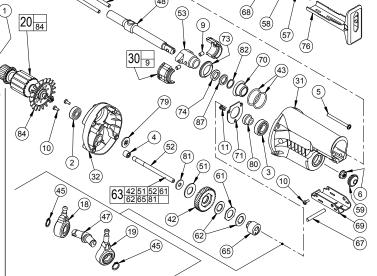
REVISED BULLETIN DATE 54-40-7560 Oct. 2005

WIRING INSTRUCTION 58-01-0065

> (49) (77)

	SAWZ		WILLI	
САТАІ	OG NO	65	23-2	1

1		ukee	® SPECIFY S. CATALOG	CATALOG N AWZALL	ERVICE O. AND SERI ® with R 0523-21
	EXAMPLE	50 66 12	24 72 38	23 21 34	39 55 14 64 3
FIG. 1 2 3 4 4 5 6 7 8 9 10 111 112 113 114 116 117 114 116 117 115 116 117 117 117 117 117 117 117 117 117	When Ordo PART NO. 02-04-0845 02-04-0915 02-04-1510 02-50-2150 05-88-0302 06-65-0045 43-36-0125 06-82-7253 06-82-7253 06-82-7253 06-82-7453 06-82-7453 06-82-7453 06-82-7453 14-20-1090 14-67-0125 14-67-0135 16-30-0700 18-30-1700 22-06-0080 22-20-0525 22-56-0700 23-66-1965 14-30-0080 28-28-2600 31-05-0155 31-11-0130 31-15-0170 31-44-2525 31-44-2526 31-50-0095 31-52-0045 31-52-0090 31-58-0165 32-40-2050 34-40-0040 34-60-0125	DESCRIPTI Ball Bearing Ball Bearing Ball Bearing Ball Bearing Ball Bearing Needle Bear K50 x 60mm 5/16-24 Spir Dowel Pin Cam Followe Orbit Pivot F 8-32 x .38 Te B-32 x .3	ring Nasher Hd. P Note Hex Nut Pr Note Hex Nut Note H	ew 0 Screw 20 Screw rew ssembly	NO. REQ. (1) (1) (1) (1) (1) (2) (3) (3) (12) (2) (4) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1
45 46 47 48 49 50 51 52 53 54 55 56 57	34-60-1315 34-60-3700 36-92-0701 38-50-6400 40-50-0162 40-50-8850 42-12-0190 42-24-0065 42-24-0525 42-38-0055 42-42-0550 42-50-0355	External Ret Retaining Ri Wobble Sha Reciprocatin Torsion Spring Disc Spring Wobble Sha Front Spindle Rear Spindle Orbit Bumpe Rotation Loc Front Cam	eaining Ring ng ft ft g Spindle ng ft Axle e Bushing e Bushing er		(1) (2) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1



67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82	43-78-0575 44-52-1000 44-60-1635 44-60-1750 44-66-0880 44-86-0655 44-90-4550 45-06-0475 45-12-0700 45-16-0645 45-22-0175 45-22-0650 45-28-0555 45-36-1445 45-88-1555 45-88-8577 14-46-1060	Shoe Retainer Front Orbit Cap Bearing Retainer Handle Ring Orbit Seal Polypak Seal Gearcase Insulator Shoe Assembly Sleeve Sleeve Slinger Spacer Washer Washer Large Quik-Lok Blade Clamp Fan Felt Seal 10' Quik-Lok Cord (Not Shown) Leadwire Assembly (Not Shown)	NO. REQ. (1) (1) (1) (1) (1) (1) (1) (1) (1) (1
	23-94-7400		
			(.)

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.		
4,32	Press needle bearing flush ±.005 with inner surface of diaphragm.		
6,52	Apply Blue Loctite® 242 to threads of wobble shaft axle prior to installing s	spinlock hex nut. Torque spinlock hex nut to 160-190 in. lbs.	
6,42	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 (42) split rubber hose or other protective	
7,48,53,54,60	Press dowel pins flush to front side of front spindle bushing. Press dowel pins flush to back side of rear spindle bushing. NOTE: Reciprocating spindle (48) and counter weight (60) must be installed inside assembly (7,53) and (7,54) prior to pressing last spindle bushing into place. Be sure to orientate the counter weight with the hole on bottom towards rear spindle bushing, as shown.	rear spindle bushing (54) counter weight (60) dowel pin (7) reciprocating	
16,38	Install nameplate in motor housing recess prior to assembling diaphragm onto motor housing.	Spindle (48) Orient counter weight front spindle	
30,44	Service fixture #61-10-0205 must be used when installing retaining ring (44) onto orbit pocket assembly (30).	as shown with hole on bottom towards rear spindle bushing.	
42,61	Tabs of bronze plate engage intermediate gear.	Place a thin film of lubrication	
42,51	Concave side of disc spring towards intermediate gear.	on dowel pins prior to assembly.	
62,65	Tabs of metal plates engage orbit drive hub.		
74	O-ring of polypak seal faces mechanism - toward rear of tool.	SMALL LARGE INNER	
79	Shoulder extension of grease slinger should face bearing. E STEEL QUIK-LOK® BLADE CLAMP	RIB INNER RIB	
	xternal retaining ring (46) and pull front cam (57) off.	(57)	
	n (68) out and remove remainder of parts and discard.	(58)	
	OF THE STEEL QUIK-LOK® BLADE CLAMP ock pin with powdered graphite.		
		p of spindle	
	ng cover (35) onto spindle.	LARGE OUTER	
	on spring (49) onto spindle shaft	48 OUTER SLOT	
	sitioned at the 6:00 position. e (77) onto spindle aligning hole on sleeve with hole in spindle.	12;00 SLOT	
Slide rear of	cam (58) over sleeve, aligning hole in rear cam with spring leg.	35 49 77 58	
 Rotate rea 	ring leg inserts into hole in rear cam. r cam (58) counter clockwise until there is clearance for	leg	
	3) to be inserted into sleeve/spindle holes. Insert lock pin. cam (57) inner ribs with rear cam outer slots (see insert) and slide front		
cam onto s	eleeve until it bottoms. Retaining ring (46) groove should be completely visible ining ring by separating coils and inserting end of ring into groove, then wind		
	of ring into groove. Ensure ring is seated in groove.		
to rotate fro	ap should rotate freely. During normal usage, debris may not allow blade clar eely. The use of spray lubricant can help free blade clamp. In extreme condit e instructions to remove, clean and reassemble blade clamp.	/ ////// 1	
FIG.	LUBRICATION:		

FIG.	LUBRICATION:
30,43	Lightly coat o-rings with lubrication for ease of installation onto assembled orbit pockets.
31	Place 3.2 oz. (80 grams \pm 8 grams) of type "T" grease (Cat. No. 49-08-4290), in mechanism cavity of gear case.
32	Place .8 oz. (20 grams \pm 2 grams) of type "T" grease (Cat. No. 49-08-4290), in lower needle bearing-gear train cavity of diaphragm.
42,62	Apply a thin coat of type "T" grease (Cat. No. 49-08-4290) between gear and metal plate.
68	Pin to be coated with graphite prior to assembly.
87	Soak in lightweight bushing oil prior to assembly.

