(54)

(72)(5)

(53)

(6)

(64)

NO. REQ.

(1) (1) (1) (1)

SERVICE PARTS LIST

Milwankee

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS

REVISED BULLETIN DATE Feb. 2017

(65)

(67)

(3)

(43)

(77)



(8)

(7)

29

(4)

(46)

(70)

(76)

(49)

Metal Plate

Orbit Plate

Shoe Pin

Lock Pin

Orbit Seal

Sleeve

Slinger

Spacer

Washer

Washer

Fan

Polypak Seal

Orbit Drive Hub

Cushion Grip

Grounding Pin

Shoe Retainer

Front Orbit Cap

Bearing Retainer

Gearcase Insulator

Shoe Assembly

(48)

DESCRIPTION OF PART

(11)

(68) (75)

(50)

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

(35) (23)

(13)

				(78
ı	FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
	1	02-04-0845	Ball Bearing	(1)
	2	02-04-0915	Ball Bearing	(1)
*	3	02-04-1511	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		Orbit Pivot Pin	(2)
	10	06-82-7253	8-32 x .38 Taptite T-20 Screw	(3)
	11	06-82-7255	DG50 x 10mm Screw	(3)
	12	06-82-7270	8-16 x .625 Slt. Plastite T-20 Screw	(6)

7-18 x 1.125 Slt. Plastite T-20 Screw

8-16 x 2025 Slt. Plastite T-20 Screw

15 06-82-8870 1/2-DG50 Thread Form Screw Service Nameplate 17 12-99-2581 18 14-20-3150 Remote Electronics Assembly Primary Wobble Plate Assembly 20 14-67-0136 21 16-30-0700 Servicé Armature 22 18-30-1700 Service Field 23 22-20-0590 Carbon Brush Assembly

24 22-64-1121 Cord Assembly 25 23-66-1965 Switch **Orbit Pocket Assembly** 29 14-30-0080 30 28-14-2600 Gearcase 31 28-28-2600 Diaphragm 32 31-05-0155 Baffle

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31-52-0090

32-40-2050

06-82-7308

06-82-7453

31-11-0130 Orbital Cam Plate Spring Cover Handle Half - Right 31-44-2500 31-44-2501 Handle Half - Left 31-50-0085 Motor Housing 31-52-0045 Orbit Shift Lever

Shoe Release Lever

Intermediate Gear

O-Ring 34-40-0040 34-60-0125 Retaining Ring External Retaining Ring 34-60-1315 34-60-3700 Retaining Ring 36-92-0501 Wobble Shaft 38-50-6400 Reciprocating Spindle

Torsion Spring 47 Disc Spring 48 40-50-8850 42-12-0190 Wobble Shaft Axle 49 Front Spindle Bushing 50 42-24-0066 51 42-24-0525 Rear Spindle Bushing 52 42-38-0055 Orbit Bumper

53 Front Cam Rear Cam 54 Bearing Cap 42-52-0380 55 43-06-0676 Bronze Plate

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NO. REQ.	
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(1)	
(4)	
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(2) (1)	
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(33)

(15)

(60)

(10

PART NO. FIG 58 43-06-0685 60 43-56-0620 61 43-78-0575 62 44-52-1000

44-60-0530 63 44-60-1635 64 65 66 44-66-0880 67 44-86-0035 68

44-86-0655 45-06-0110 45-06-0475 45-12-0710 45-16-0645

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45-28-0555 45-36-1445 45-88-1555 45-88-8577

22-84-0531 44-76-0210 14-46-1062 14-08-0075

81 45-06-0501 23-94-0025 23-94-6750

Cord Protector

23-94-6755

Large Quik-Lok Blade Clamp Gear Protecting Clutch Assembly Felt Seal

Ground Wire Assembly Leadwire Assembly Leadwire Assembly

SEE REVERSE SIDE FOR IMPORTANT SERVICE NOTES

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

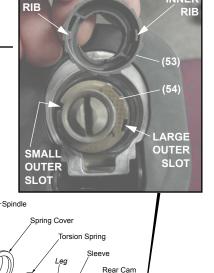
FIG . 1	NOTES: Bearing to be installed with seal towards commutator.			
4,31	Press needle bearing flush ±.005 with inner surface of diaphragm.			
6,49	Apply Blue Loctite® 242 to treads of wobble shaft axle prior to installing spinlock hex nut. Torque spinlock hex nut to 160-190 in. lbs.			
6,40	Hold 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.	gearcase (30) gear (40) split rubber hose or other protective material		
7,46,50,51	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 (46) must be installed inside assembly (7,50) and (7,51) prior to pressing last spindle bushing into place.	rear spindle bushing (51) dowel pin (7) reciprocating		
17,37	Install nameplate in motor housing recess prior to assembling diaphragm onto motor housing.	spindle (46) front spindle		
29,42	Service fixture #61-10-0205 must be used when installing retaining ring (42) onto orbit pocket assembly (29).	bushing (50)		
40,57	Tabs of bronze plate engage intermediate gear.	Place a thin film of lubrication		
40,48	Concave side of disc spring towards intermediate gear.	on dowel pins prior to assembly.		
58,61	Tabs of metal plates engage orbit drive hub.			
70	O-ring of polypak seal faces mechanism - toward rear of tool.			
74	Shoulder extension of grease slinger should face bearing.	SMALL LARGE INNER		

REMOVING THE STEEL QUIK-LOK® BLADE CLAMP ·

- Remove external retaining ring (44) and pull front cam (53) off.
- Pull lock pin (65) out and remove remainder of parts and discard.

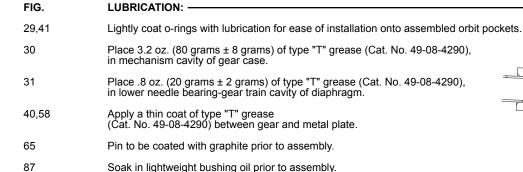
REASSEMBLY OF THE STEEL QUIK-LOK® BLADE CLAMP

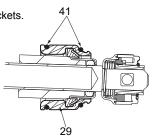
- Coat new lock pin with powdered graphite.
- Hold tool in a vertical position.
- Place spring cover (34) onto spindle.
- Slide torsion spring (47) onto spindle shaft with leg positioned at the 6:00 position.
- Slide sleeve (73) onto spindle aligning hole on sleeve with hole in spindle.
- Slide rear cam (54) over sleeve, aligning hole in rear cam with spring leg. Ensure spring leg inserts into hole in rear cam.
- Rotate rear cam (54) counter clockwise until there is clearance for lock pin (65) to be inserted into sleeve/spindle holes. Insert lock pin.
- Align front cam (53) inner ribs with rear cam outer slots (see insert) and slide front cam onto sleeve until it bottoms. Retaining ring (44) 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.



Front Cam

Retaining





Lock