SERVICE PARTS LIST

SERIAL NO

Milwankee

42-50-0355

42-50-0360

42-52-0380

Front Cam

Rear Cam

Bearing Cap

53

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS

REVISED BULLETIN 54-40-7570

EXAMPLE:

(50)

B36A

(56)

45-28-0555

45-36-1445

45-88-1555

45-88-8577

22-84-0531

44-76-0210

14-46-1060

14-08-0075

23-38-0200

31-17-0260

31-17-0265

45-06-0501

23-94-7425

23-48-6538

42-55-2051

75

76

77

78

79

80

81

82

83

84

87

88

★89

Slinger

Spacer

Washer

Washer

Magnet

Cord Clamp

Cord Clamp

Leadwire Assembly

Fiberglass Sleeve

Felt Seal

Cord Protector

Large Quik-Lok Blade Clamp

Carrying Case (Not Shown)

Gear Protecting Clutch Assembly

Fan

00

DATE Oct. 2013

80 34 44 47 53 54 65 73

WIRING INSTRUCTION See Page 3

(47)

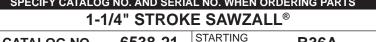
(73)

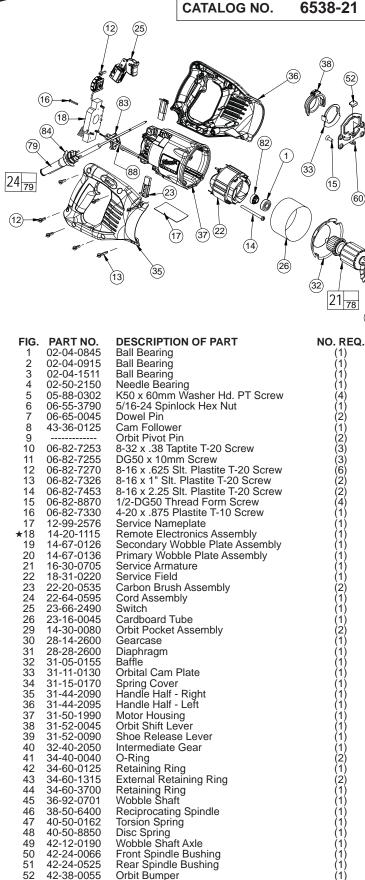
Component Parts (Small #) Are Included When Ordering The Assembly (Large #).

(34)

(65)

(39)





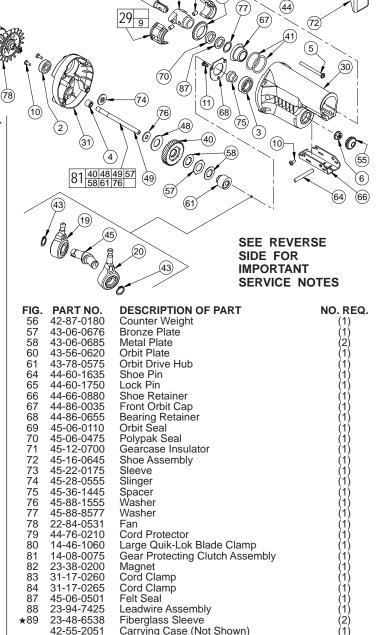
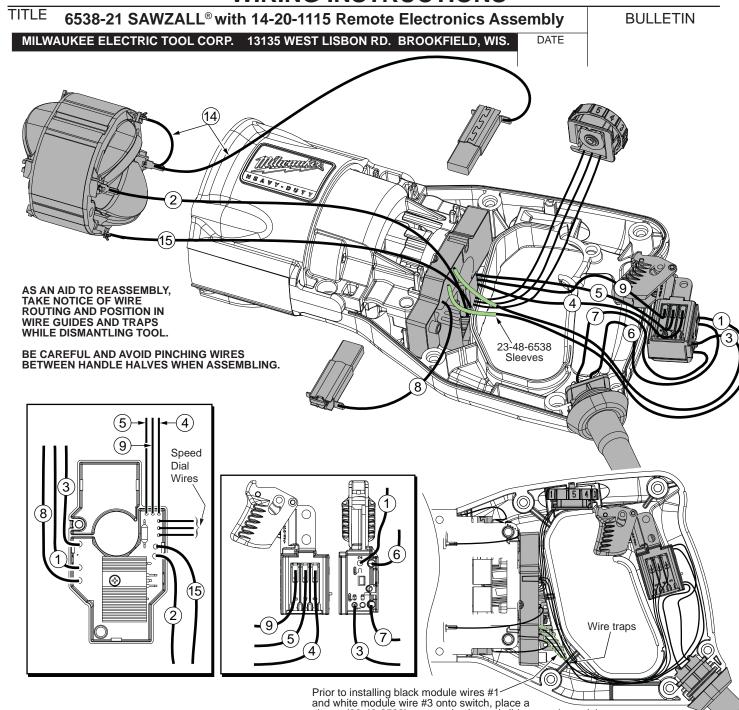


FIG. 1	NOTES: Bearing to be installed with seal towards commutator.					
4,31	Press needle bearing flush ±.005 with inner surface of diaphragm.					
6,49	Apply Blue Loctite® 242 to treads of wobble shaft axle prior to installing spinlock hex nut. Torque spinlock hex nut to 160-190 in. lbs.					
	gearcase (30)					
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) split rubber hose or other protective material	Service Fixture 61-10-0270 (Pressing Pin Tool)			
7,46,50,51,56	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) and counter weight (56) must be installed inside assembly (7,50) and (7,51) 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 (to counter weight dow				
17,37	Install nameplate in motor housing recess prior to assembling diaphragm onto motor housing.		spindle (46)			
29,42	Service fixture #61-10-0205 must be used when installing retaining ring (42) onto orbit pocket assembly (29).	Orient counter weight as shown with hole on bottom towards rear spindle bushing.	front spindle 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 assembly.	de C			
58,61	Tabs of metal plates engage orbit drive hub.					
70	O-ring of polypak seal faces mechanism - toward rear of tool.	SMALL	LARGE			
74	Shoulder extension of grease slinger should face bearing.	RIB	INNER RIB			
	HE STEEL QUIK-LOK® BLADE CLAMP external retaining ring (44) and pull front cam (53) off.		(53)			
	oin (65) out and remove remainder of parts and discard.					
	OF THE STEEL QUIK-LOK® BLADE CLAMP	1460	(54)			
	lock pin with powdered graphite. in a vertical position.					
	ing cover (34) onto spindle.	pp of spindle	LARGE			
Slide torsion spring (47) onto spindle shaft SMALL SI OT SI OT						
	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.					
	to rotate freely. The use of spray lubricant can help free blade clamp. In extreme conditions.					
	se instructions to remove, clean and reassemble blade clamp.	65 hole —				

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.

WIRING INSTRUCTIONS



	WIRING SPECIFICATIONS						
Wire No.	Wire Color	Origin or Gauge	Length	Terminals, Connectors and 1 or 2 End Wire Preparation			
Black	14-20-	1105	Compo	nent of the speed control module. Connect to position '2' on the back of the on-off switch.			
Yellow	14-20-	1105	Compo	nent of the speed control module. Connect to the bottom left field terminal.			
White	14-20-	1105	Compo	nent of the speed control module. Connect to position '1' on the back of the on-off switch.			
Black	14-20-	1105	Compo	nent of the speed control module. Connect to position '3' on the left side of the on-off switch.			
White	14-20-	1105	Compo	nent of the speed control module. Connect to position '4' on the left side of the on-off switch.			
Black	22-64-4	1522	Compo	nent of the power cord set. Connect the other end to position '2↑' on switch.			
White	22-64-4	1522	Compo	nent of the power cord set. Connect the other end to position '1↑' on switch.			
Black	14-20-	1105	Compo	nent of the speed control module. Connect to the bottom brush tube terminal.			
Blue	14-20-	1105	Compo	nent of the speed control module. Connect to position '5' on the left side of the on-off switch.			
White	23-94-	7425	Leadw	ire assembly. Connect to the top right and left field terminals. Connect to top brush tube terminal.			
Yellow	14-20-	1105	Compo	nent of the speed control module. Connect to the bottom right field terminal.			

sleeve (23-48-6538) over each wire and slide towards module. Locate both sleeves between the module and the adjacent wire traps.