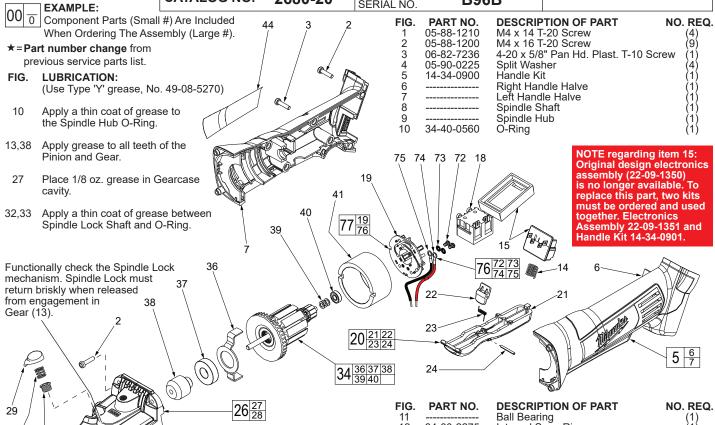
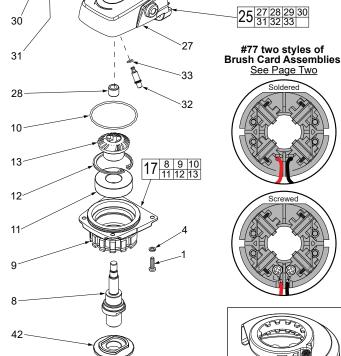
SERVICE PARTS LIST

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS CORDLESS 18 VOLT 4-1/2" CUT-OFF/GRINDER

Milwaukee REVISED BULLETIN 54-38-2680 **STARTING** CATALOG NO. 2680-20 **B96B** SERIAL NO



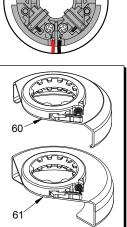




43

Assemble Needle Bearing with 28 vendor I.D. facing the Gear.

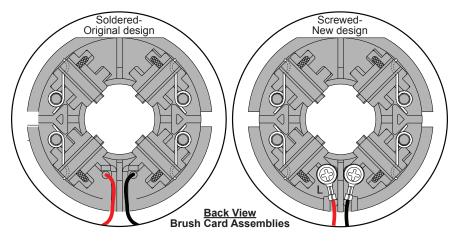
Assemble Ball Bearing with seal towards Pinion and shield towards 37 Armature.



#77 two styles of

See Page Two

		002	
FIG .	PART NO.	DESCRIPTION OF PART Ball Bearing	NO. REQ
12	34-80-2275	Internal Snap Ring	(1) (1)
13		Gear	(1)
14		Spring	(1)
15	22-09-1350	Electronics Module Assembly	(1)
★ 17	32-05-0120	Spindle Shaft/Gear Assembly	(1)
18	23-66-2875	Switch Assembly	(1)
19 20	31-92-0530	Brush Card	(1) (1)
21	31-92-0330	Paddle Trigger Assembly Paddle Trigger	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
22	42-42-0620	Lock-Off Lever	\i\
23		Spring	(1)
24	06-65-0450	Roll Pin	(1)
25		Gearcase Kit	(1)
26	28-14-2450	Gearcase Assembly	(1)
27		Gearcase	(1)
28	40.40.4400	Needle Bearing	(1)
29 30	42-42-1100 40-50-1330	Spindle Lock Button	(1) (1)
31		Spring Spindle Lock Tube	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
	44-60-1690	Spindle Lock Pin	(1)
33	34-40-0450	O-Ring	\i\
★ 34	16-01-0060	Armature Assembly	\i\
36		Bearing Retainer	(1)
37		Ball Bearing	(1)
38	45.00.0040	Pinion	(1)
39		Armature Spacer	(3)
40 41	02-04-1875 18-01-3025	Ball Bearing Service Field	(1) (1)
42	43-34-0036	Disk Flange	(1)
43	44-40-0035	Flange Nut	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
44	12-20-2490	Service Nameplate Kit	\i\
60	43-54-1070	4.5" T27 Guard Assembly	(1)
61	43-54-1090	4.5" T1 Guard Assembly	(1)
72	05-88-0928	M3 x 5mmPan Hd. T10 Screw	(2) (2) (1)
73		Spring Washer	(2)
74		Leadwire Assembly - Red	(1)
75 76	14 46 2206	Leadwire Assembly - Black	(1)
76 77	14-46-2396 14-46-2014	Leadwire/Screw/Washer Kit Brush Card Assembly	(1) (1)
11	42-62-0105	Side Handle (Not Shown)	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
	49-96-7215	Spanner Wrench (Not Shown)	(1)
	10 00 1210	Spainist Wildright (1401 Showil)	(')



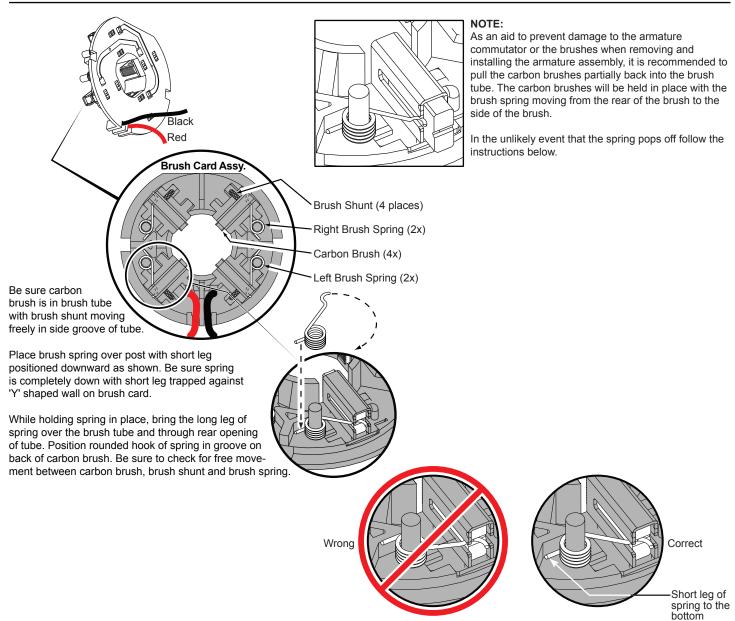
NOTE:

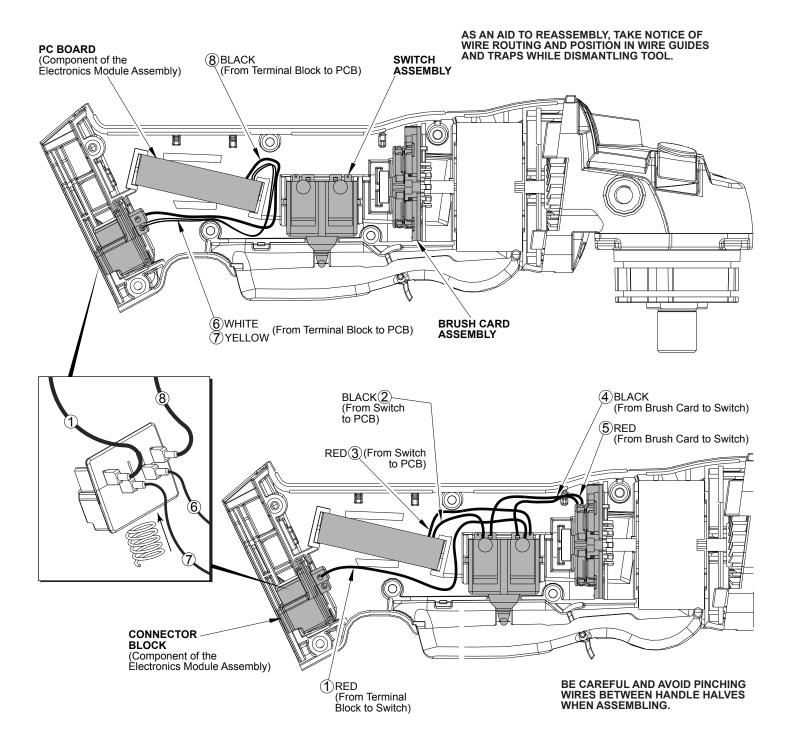
There are two Brush Card Assembly designs.

On the original brush card design the red and black wires that go to the switch are soldered on the brush card.

On the new brush card design the red and black wires that go to the switch are secured to the brush card with spring washers and screws.

The new brush card design is <u>directly interchangeable</u> in tools that have the old brush card design.





WIRING SPECIFICATIONS							
Wire No.	Wire Color	Origin or Gauge	Length	Terminals, Connectors and 1 or 2 End Wire Preparation			
1	Red	14		Component of the Electronics Module Assembly.			
2	Black	14		Component of the Electronics Module Assembly.			
3	Red	18		Component of the Electronics Module Assembly.			
4	Black	15		Component of the Brush Card Assembly.			
5	Red	15		Component of the Brush Card Assembly.			
6	White	24		Component of the Electronics Module Assembly.			
7	Yellow	24		Component of the Electronics Module Assembly.			
8	Black	14		Component of the Electronics Module Assembly.			
BULK LEAD WIRE - BULLETIN NO. 58-01-0003							

