

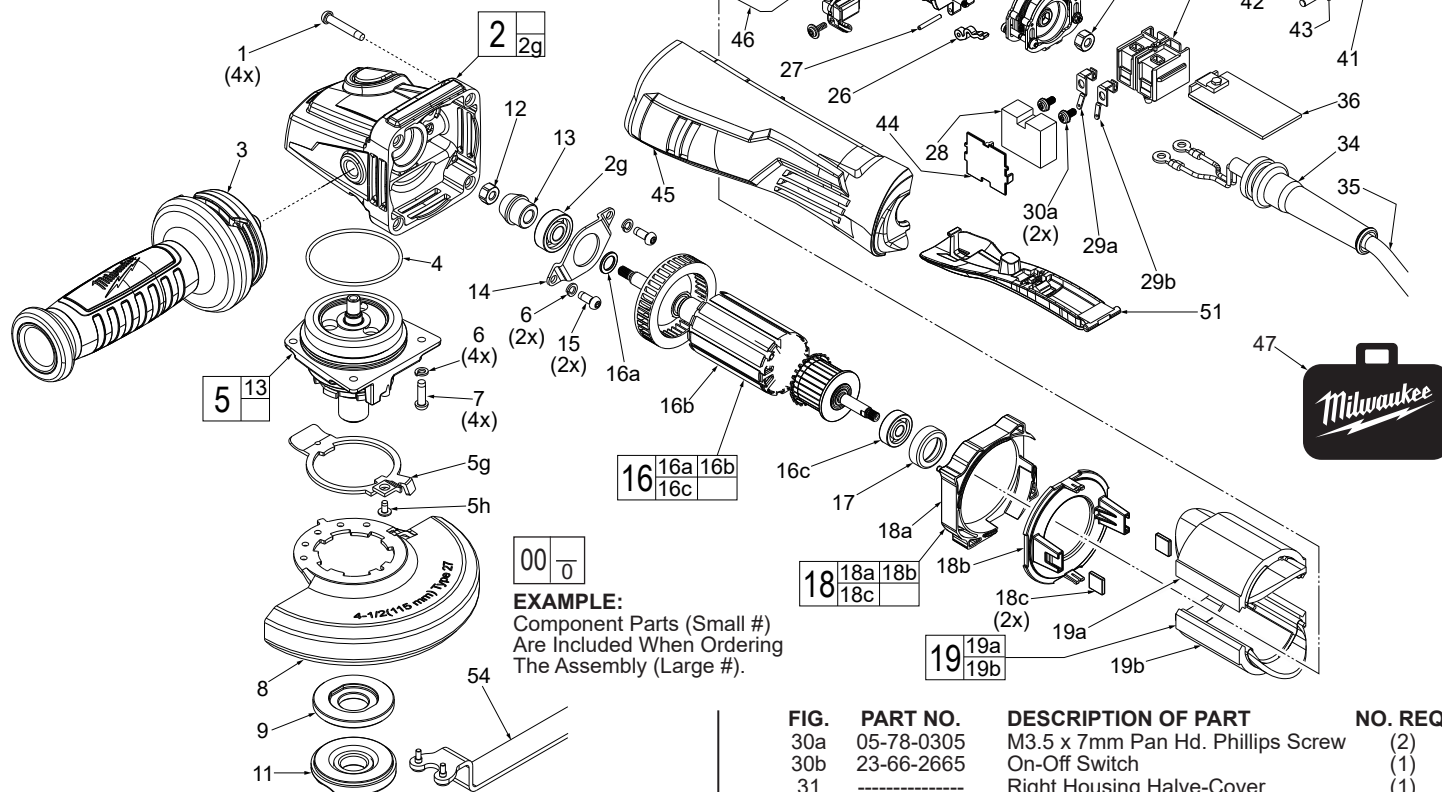


SERVICE PARTS LIST

BULLETIN NO.
54-38-0060

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS		REVISED BULLETIN	DATE
4.5" BRAKING GRINDER with PADDLE SWITCH			June 2025
CATALOG NO.	6143-31	WIRING INSTRUCTION	
SERIAL NO.	K01A	See Page 2	

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
1	05-88-1650	M4 x 25mm Pan Hd. ST T-20 Screw	(4)
2	14-30-0087	Gearcase Assembly	(1)
2g	02-04-0620	Ball Bearing	(1)
3	42-62-0125	Side Handle	(1)
4	34-40-0180	O-Ring	(1)
5	14-73-0461	5/8-11 Spindle Hub Kit	(1)
5g	44-20-0875	Guard Locking Tang	(1)
5h	45-04-0031	M3 x 5mm Pan Hd. ST T-8 Screw	(1)
6	05-90-0225	Spring Washer	(6)
7	05-78-5316	M4 x 14mm Pan Hd. Tapt. T-20 Screw	(4)



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

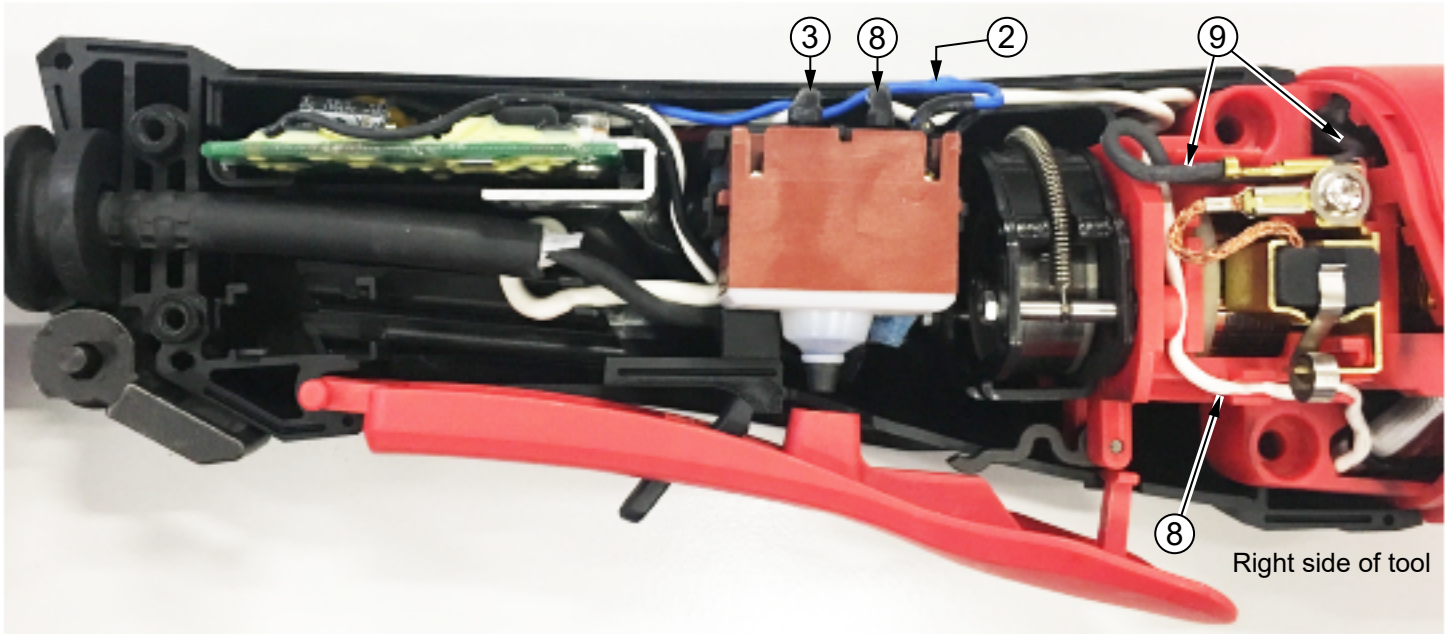
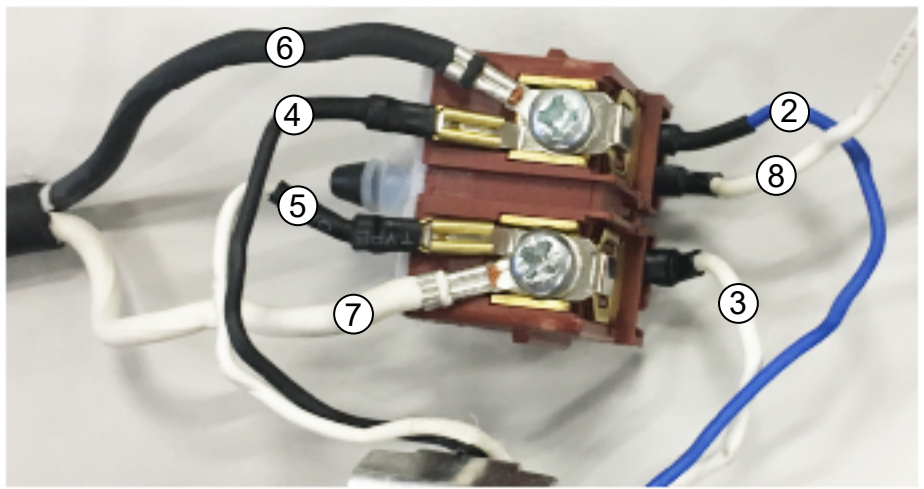
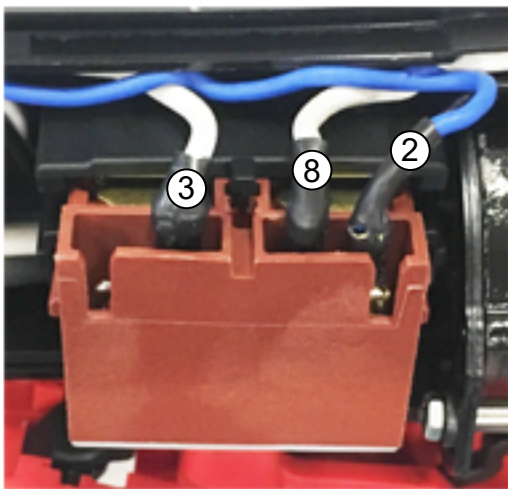
FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
8	43-54-1200	4.5" Type 27 Guard	(1)
9	43-34-0935	Inner Disc Flange	(1)
11	05-59-0018	5/8-11 Outer Flange Nut, Fixtec	(1)
12	05-55-0620	Hex Nut	(1)
13	32-60-0301	Bevel Pinion	(1)
14	44-86-0155	Bearing Retainer	(1)
15	05-78-0105	M4 x 10mm Pan Hd. Tapt. T-20 Screw	(2)
16	16-10-0855	Armature Assembly	(1)
16a	45-88-0406	Washer	(1)
16b	-----	Armature	(1)
16c	02-04-2110	Ball Bearing	(1)
17	42-96-0405	Rubber Bearing Cup	(1)
18	42-14-0520	Baffle Assembly	(1)
18a	-----	Baffle	(1)
18b	-----	Baffle Foot	(1)
18c	42-28-0085	Rubber Block	(2)
19	18-07-0320	Field Assembly	(1)
19a	-----	Field Halve	(1)
19b	-----	Field Halve	(1)
20	14-04-0097	Brake Assembly	(1)
20e	05-55-0625	Hex Nut	(1)
21	-----	Motor Housing	(1)
22	12-20-6142	Service Nameplate	(1)
25	05-88-0030	M3 x 8.5mm Pan Hd. ST T-10 Screw	(2)
26	44-14-0315	Paddle Linkage	(1)
27	06-65-0005	Pin	(1)
28	23-16-0075	Rubber Pad	(1)
29a	23-74-1620	Brass Terminal	(1)
29b	23-74-1615	Brass Terminal	(1)

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
30a	05-78-0305	M3.5 x 7mm Pan Hd. Phillips Screw	(2)
30b	23-66-2665	On-Off Switch	(1)
31	-----	Right Housing Halve-Cover	(1)
32	05-88-1300	M4 x 28mm Pan Hd. ST T-20 Screw	(2)
33	05-88-1200	M4 x 16mm Pan Hd. ST T-20 Screw	(2)
34	44-76-0095	Strain Relief Cord Protector	(1)
35	22-64-2021	Power Cord	(1)
36	22-09-0725	PCBA	(1)
41	44-90-0100	Lanyard Ring	(1)
42	44-60-5380	Steel Cap	(1)
43	44-60-0855	Pin	(1)
44	45-60-0060	Switch Support	(1)
45	-----	Left Housing Halve-Support	(1)
46	10-20-2225	Warning Label	(1)
47	50-55-3550	Contractor Bag	(1)
50	22-18-2241	Carbon Brush Assembly (Set of 2)	(1)
51	31-92-0220	Paddle Trigger Assembly	(1)
52	31-44-6105	Housing Halve Kit	(1)
53	31-50-6145	Motor Housing Kit	(1)
54	49-96-0004	Spanner Wrench	(1)

FIG. LUBRICATION

Use Type 'Y' Grease, No. 49-08-5270
2,5,13 When servicing the Gear Case Assembly (2), Pinion (13) or the Spindle Hub Assembly (5):
90-95% of the old grease must be removed prior to any new grease being added. Be sure that all gear teeth are heavily coated when reassembling.

MILWAUKEE ELECTRIC TOOL CORPORATION
13135 W. Lisbon Road, Brookfield, WI 53005
Drwg. 2



- 1 Red From PCBA, connect to red wire #11.
- 2 Blue From PCBA to switch.
- 3 White From PCBA to switch.
- 4 Black From PCBA to switch.
- 5 White From PCBA to switch.
- 6 Black From power cord to switch.
- 7 White From power cord to switch.
- 8 White From bottom right field to switch.
- 9 Black From top right field to right brush assy.
- 10 Black From bottom left field to left brush assy.
- 11 Red From top left field, connect to red #1.

