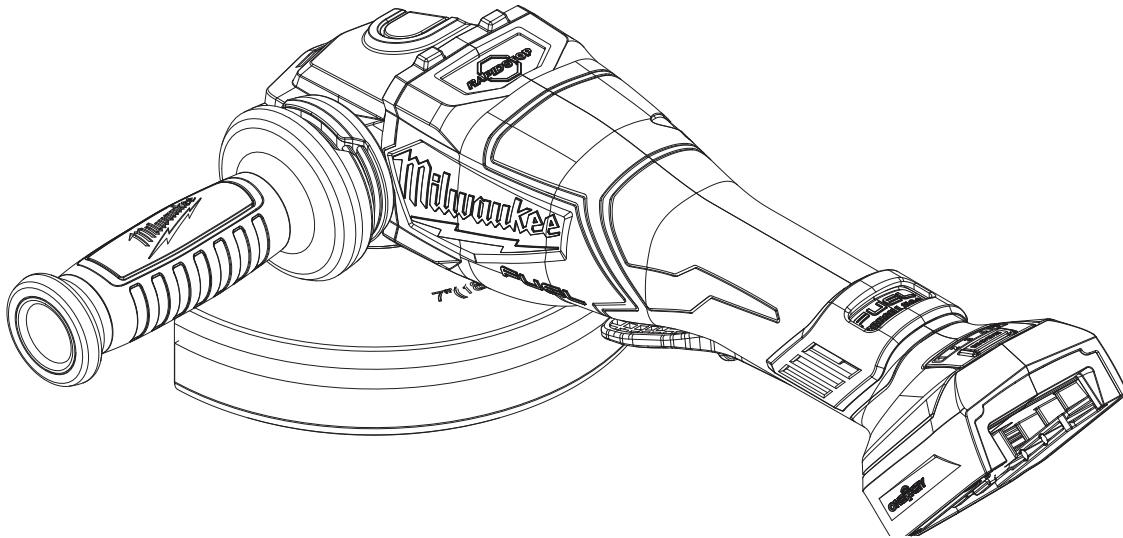




SERVICE PARTS LIST

BULLETIN NO.
54-04-2805

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS		REVISED BULLETIN	DATE
M18 FUEL™ 4-1/2"- 7" Braking Grinder w/One-Key			Feb. 2025
CATALOG NO. 3674-20	SERIAL NO. P59A	WIRING INSTRUCTION See Pages 3-4	



Only maintenance, service, repairs, and replacements of parts as defined in the Operator's Manual can be performed by the user.

All other repairs are to **ONLY** be performed by personnel authorized by MILWAUKEE TOOL. Do not attempt to install other parts; this **COULD** void your tool warranty.

For service, parts, or inquiries, contact us:

- Customer Service at 1.800.SAWDUST (1.800.729.3878)
- E-Service tool repair at: www.milwaukeetool.com/e-service
- Find a local authorized MILWAUKEE service location at Milwaukeetool.com
- Find a MILWAUKEE *factory* Service Center Location or MILWAUKEE *factory* Central Repair Center at Milwaukeetool.com. Send the following, posted paid and insured:
 - Your name, address, and phone number
 - Description of the issues
 - Copy of the proof of purchase
 - Tool, charger, and batteries involved with the issues

MILWAUKEE *factory* Central Repair Centers:

MILWAUKEE TOOL
Central Repair
1401 Sycamore Avenue
Greenwood, MS 38930

MILWAUKEE TOOL
Central Repair
2198 Southtech Drive
Greenwood, IN 46143

SERVICE PARTS EXPLODED VIEW

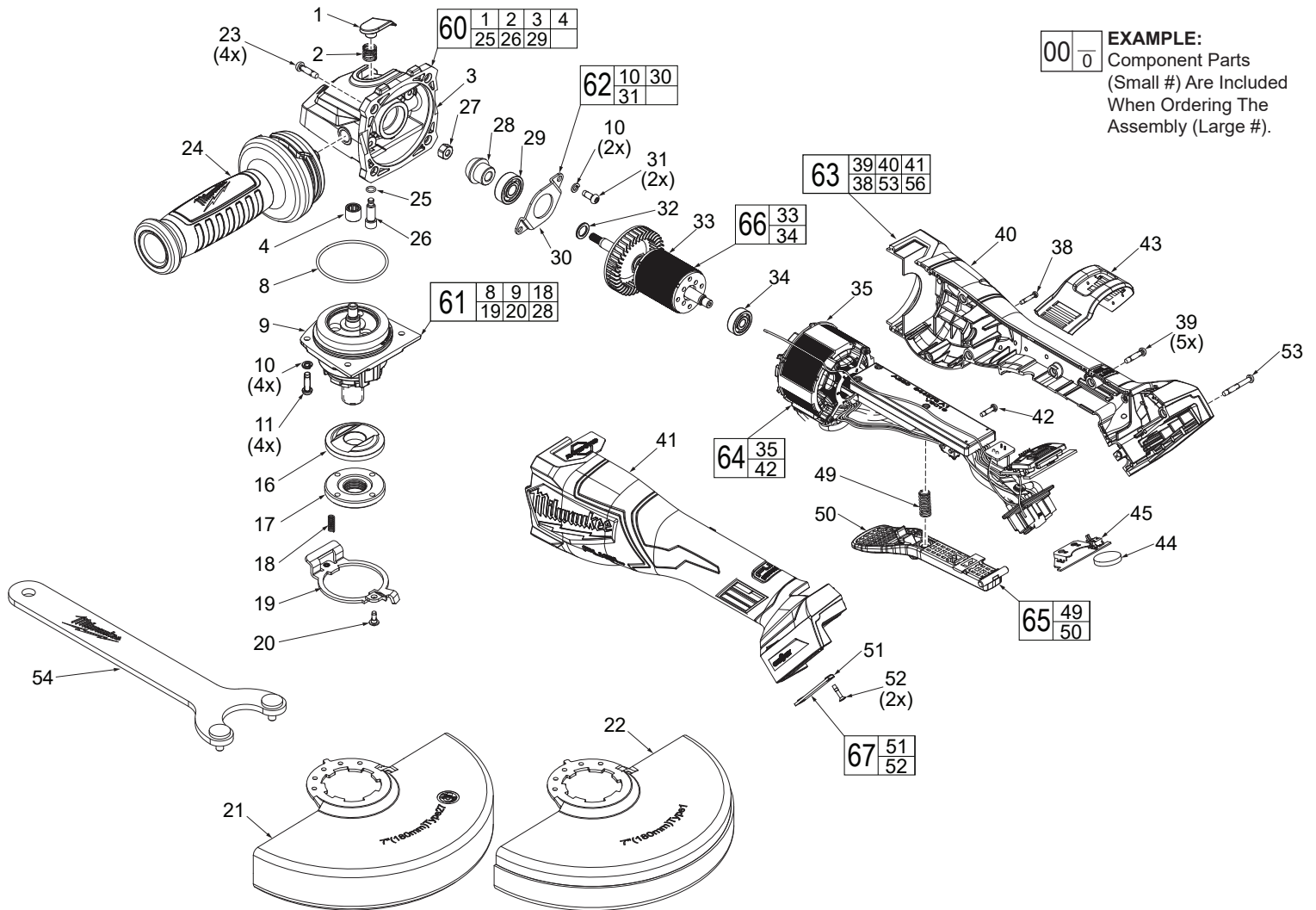


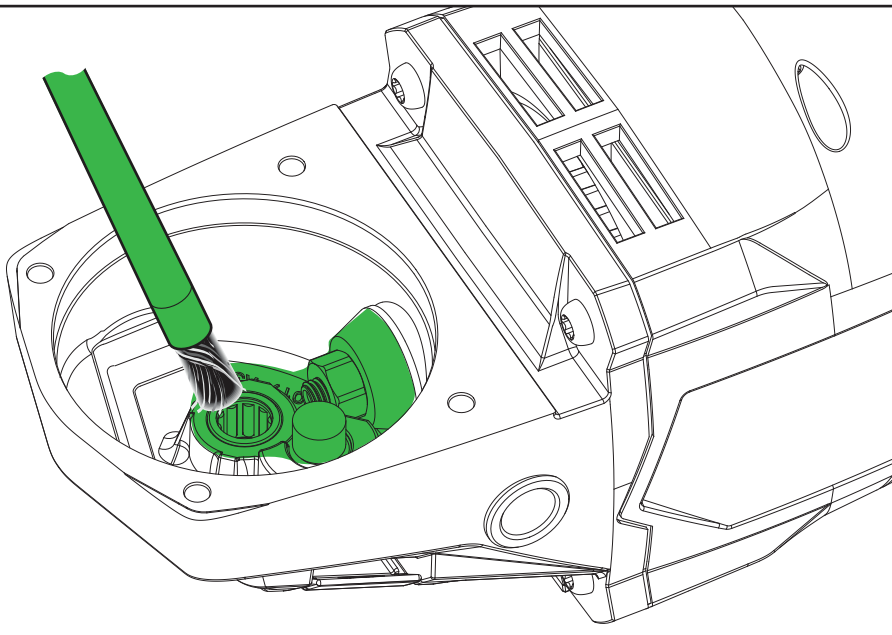
FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
1	-----	Spindle Lock Button	(1)
2	-----	Spindle Lock Spring	(1)
3	-----	Gear Case	(1)
4	-----	Needle Bearing	(1)
8	34-40-0560	O-Ring	(1)
9	-----	Gearcase Assembly	(1)
10	05-90-0225	Spring Washer	(6)
11	05-78-5316	M4 x 14mm Pan Hd. Taptite T20 Screw	(4)
16	43-34-3000	Disc Flange	(1)
17	44-40-7100	Flange Nut	(1)
18	40-50-0386	Spring	(1)
19	44-20-0091	Lock Tang	(1)
20	45-04-0031	M3 x 8.5mm Pan Washer Hd. Phillips Screw	(1)
21	23-54-0450	7" Type 1 Wheel Guard	(1)
22	23-54-0455	7" Type 27 Wheel Guard	(1)
23	05-88-1200	M4 x 16mm Pan Hd. Recess ST T20 Screw	(4)
24	42-62-0125	Side Handle	(1)
25	-----	O-Ring	(1)
26	-----	Spindle Lock Pin	(1)
27	05-55-0620	Hex Nut	(1)
28	32-60-0165	Bevel Pinion	(1)
29	-----	Ball Bearing	(1)
30	44-66-0450	Ball Bearing Retainer	(1)
31	05-78-0105	Pan Hd. Torx Taptite Screw	(2)
32	45-88-0406	Washer	(1)
33	-----	Rotor Assembly	(1)

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
34	-----	Ball Bearing	(1)
35	-----	Electronics Assembly	(1)
38	06-82-2385	M2.6 x 14mm Pan Hd.T-8 Screw	(1)
39	05-88-0122	M3.5 x 16mm Pan Hd. T-10Screw	(5)
40	-----	Handle Housing - Cover	(1)
41	-----	Handle Housing - Support	(1)
42	06-82-1087	M3 x 12mm Pan Hd. T-10 Screw	(1)
43	31-15-9010	Dust Cover	(1)
44	-----	Coin Cell Battery (CR2032) - See local hardware store	(1)
45	14-46-0471	Coin Cell PCBA Assembly	(1)
49	40-50-0167	Spring	(1)
50	-----	Trigger Paddle	(1)
51	-----	Coin Cell Cover	(1)
52	-----	M2.6 x 12mm Flat Hd. ST Screw	(2)
53	06-82-2025	M35 x 26mm Pan Hd. T-10 Screw	(1)
54	49-96-7215	Wrench	(1)
56	12-20-2955	Service Nameplate (not shown)	(1)
60	14-29-0001	Gearcase Assembly	(1)
61	14-29-0002	Gearcase Cover Housing Assembly	(1)
62	14-46-0448	Bearing Retainer Service Kit	(1)
63	14-46-0469	Handle Housing Service Kit	(1)
64	22-09-2825	PCBA Assembly Service Kit	(1)
65	31-92-0010	Paddle Trigger Service Kit	(1)
66	16-01-0003	Rotor Assembly	(1)
67	14-46-0639	Coin Cell Cover Kit	(1)

LUBRICATION NOTES

For the Gearcase Assembly (fig.65) apply "J" Grease (No. 49-08-4220). Coat bevel pinion, needle bearing hole and surrounding area liberally.

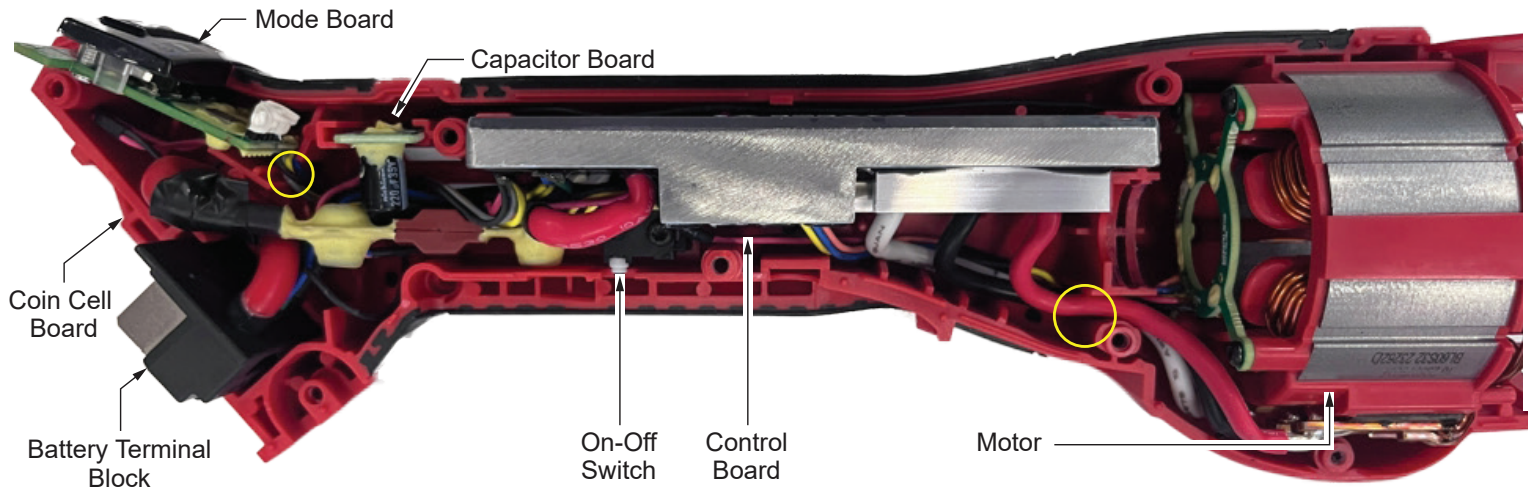
NOTE - When servicing the Gear Case Assembly, 90-95% of the old grease must be removed prior to new grease being added.



SCREW TORQUE SPECS

SCREW TORQUE SPECIFICATIONS				
FIG.	PART NO.	WHERE USED	SEAT TORQUE	
			(KG/CM)	(IN/LBS)
11	05-78-0316	Spindle Hub	23-29	20-25
20	45-04-0031	Spindle Hub	8-11	7-10
23	05-88-1200	Gearcase	18+/-2	16+/-2
27	05-55-0620	Rotor Shaft	100±2	89±1.7
31	05-78-0105	Bearing Retainer	23-29	20-25
36	05-88-0121	PCBA	2-3	2-3
38	06-82-2385	Handle Housing	5±0.5	4±0.4
39	05-88-0122	Handle Housing	12.5-16.5	10.8-14.3
42	06-82-1087	Switch	4±0.5	3±0.4
52	-----	Coin Cell Cover	3.5±0.5	3±0.4
53	06-82-2025	Handle Housing	12.5-16.5	10.8-14.3

SERVICE WIRING



- As an aid to reassembly, take notice of wire routing and position in wire guides and traps while dismantling tool.
- Be sure that all components of the electronics kit are seated firmly and squarely in the housing recesses.
- Avoid pinched wires, be sure that all wires and sleeves are pressed completely down in wire guides and traps.
- Prior to securing the housing cover onto the housing support, be sure that there are no interferences.
- Before installing the battery, check for proper functionality of paddle trigger.
- Install battery and depress paddle trigger to assure tool is operating properly.

