



M18 CAG100XPDB

SERVICE PARTS DIAGRAM

TTI Model Number: 018 156 023DG9, 024, 025

M18™ FUEL 100MM BRAKING GRINDER

Bulletin Date:

Feb-20

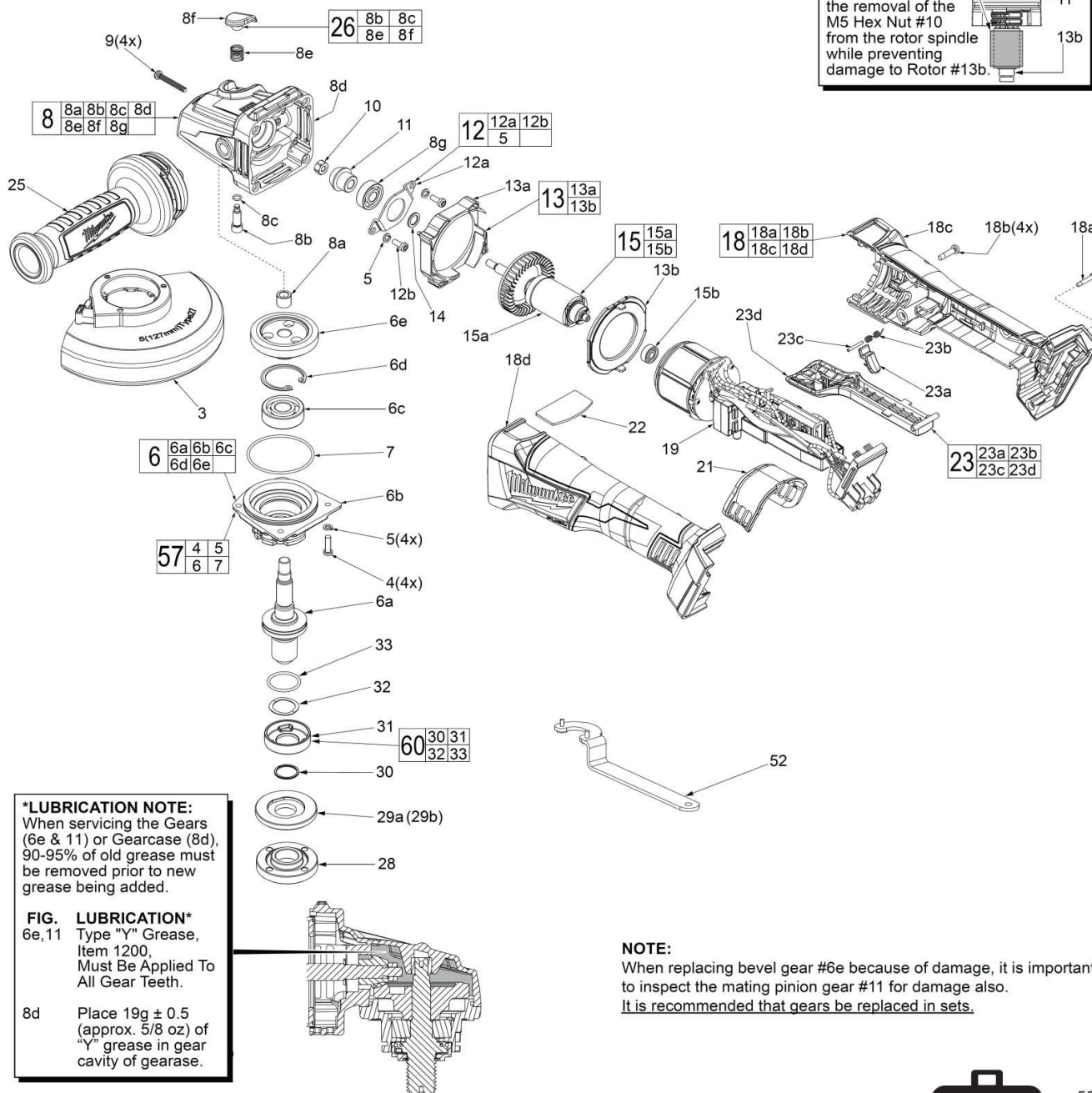
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VERSION A - C2018

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

Rotor Holding Service Fixture
Cat. No. 61-30-0050
(For use in a vise)

Use as an aid for
the removal of the
M5 Hex Nut #10
from the rotor spindle
while preventing
damage to Rotor #13b.



***LUBRICATION NOTE:**
When servicing the Gears
(6e & 11) or Gearcase (8d),
90-95% of old grease must
be removed prior to new
grease being added.

FIG. LUBRICATION*
6e, 11 Type "Y" Grease,
Item 1200,
Must Be Applied To
All Gear Teeth.

8d Place 19g ± 0.5
(approx. 5/8 oz) of
"Y" grease in gear
cavity of gearcase.

NOTE:

When replacing bevel gear #6e because of damage, it is important
to inspect the mating pinion gear #11 for damage also.
It is recommended that gears be replaced in sets.



1200



2000



56



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SERVICE PARTS LIST

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ITEM	PART NUMBER	PART DESCRIPTION	QTY (PCS)
3	201647011	4" TYPE 27 GUARD ASSEMBLY	1
4	660414013	M4x14MM SCREW	4
5	680866003	SPRING WASHER	6
6	202610004	SPINDLE HUB ASSEMBLY	1
6a	620763015	OUTPUT SHAFT	1
6b	643309001	SPINDLE HUB	1
6c	681382001	BALL BEARING	1
6d	633037001	RETAINING RING	1
6e	613497001	BEVEL GEAR	1
7	562584001	O-RING	1
8	202611003	GEAR CASE ASSEMBLY	1
8a	680582005	NEEDLE BEARING	1
8b	620705004	SPINDLE LOCK PIN	1
8c	570704001	O-RING	1
8d	643308001	GEAR CASE	1
8e	671700001	SPINDLE LOCK SPRING	1
8f	521988006	SPINDLE LOCK BUTTON	1
8g	681337001	BALL BEARING	1
9	660024035	M4x28MM SCREW	4
10	671686001	M5 HEX NUT	1
11	613496001	PINION GEAR	1
12	202615001	BEARING RETAINING PLATE ASSEMBLY	1
12a	672569001	BEARING RATAINER	1
12b	660400005	M4x10MM SCREW	2
13	202614001	BAFFLE ASSEMBLY	1
13a	522070001	FAN BAFFLE	1
13b	525744001	FAN BAFFLE FOOT	1
14	632876001	WASHER	1
15	208526001	ROTOR ASSEMBLY (NEW)	1
15	202616001	ROTOR ASSEMBLY (OLD)	1
15a	298075001	ROTOR	1
15b	681366001	BALL BEARING	1
18	203676003	HOUSING KIT (NEW)	1
18	203676001	HOUSING KIT (OLD)	1



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18b	660024030	M4x16MM SCREW	4
18a	660274003	4-20x5/8" SCREW	1
18c	-	HANDLE COVER - RIGHT	1
18d	-	HANDLE SUPPORT - LEFT	1
19	208527001	ELECTRONICS ASSEMBLY (NEW)	1
19	203683001	ELECTRONICS ASSEMBLY (OLD)	1
21	305952001	DUST COVER	1
22	351784001	LOGO PLATE	1
23	203581001	PADDLE TRIGGER ASSEMBLY	1
23a	525873001	LOCK-OFF LEVEL	1
23b	693702001	LOCK-OFF SPRING	1
23c	673182001	LOCK-OFF PIN	1
23d	528772001	PADDLE TRIGGER	1
25	304057001	SIDE HANDLE ASSEMBLY	1
26	202617001	SPINDLE LOCK KIT	1
27	941048386	SERVICE NAMEPLATE (NOT SHOWN)	1
28	672568014	FLANGE NUT	1
29a	673448001	FLANGE DISC,100x16MM 018156024, 025 VERSION	1
29b	673448003	FLANGE DISC,100x15MM – ONLY FOR KOREA 018156023DG9 VERSION	1
30	672991002	FLANGE WITH RAMPS	1
31	633400002	RATAINING RING	1
32	633475002	WAVE WASHER	1
33	562518001	O-RING	1
52	632145003	SPANNER WRENCH	1
56	307640029	BLOW MOLDED CARRYING CASE 018156023DG9, 025 VERSION	1
60	201767003	FLANGE WITH RAMPS ASSEMBLY	1
1200	-	TYPE Y GREASE	1
2000	61-30-0050	ROTOR HOLDING SERVICE FIXTURE	1



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SERVICE INSTRUCTION

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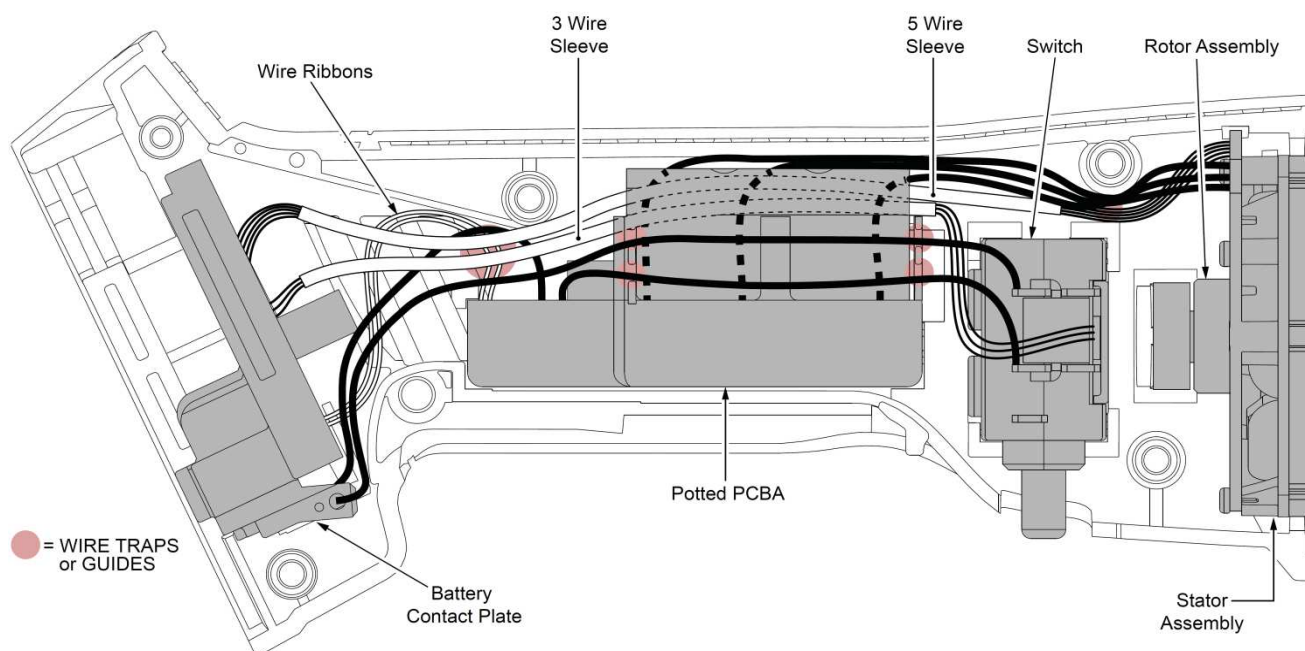
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WIRE ROUTING AND TRAPPING for the ELECTRONICS KIT in the HANDLE SUPPORT (Left Handle Halve)



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 HANDLE RECESSES.

AVOID PINCHED WIRES, BE SURE THAT ALL WIRES AND SLEEVES ARE PRESSED COMPLETELY DOWN IN WIRE GUIDES AND TRAPS.

PRIOR TO INSTALLING THE HANDLE COVER ONTO THE HANDLE SUPPORT, BE SURE THAT THERE ARE NO INTERFERENCES.

SCREW TORQUE SPECIFICATIONS

FIG.	PART NO.	WHERE USED	SEAT TORQUE	
			(KG/CM)	(Nm)
4	660414013	Spindle Hub Assembly	20-26	1.92-2.49
9	660024035	Gear Case	13-19	1.24-1.81
10	671686001	Pinion Gear	100	9.72
18a	660274003	Housing Kit	13-19	1.24-1.81
18b	660024030	Housing Kit	6-12	0.57-1.13