SERVICE PARTS LIST

BULLETIN NO.
PN0007979

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS	REVISED BULLETIN	DATE
M18 FUEL™ 7-1/4" Circular Saw w/ One-Key™		July 2025
CATALOG NO. 2835-20 / **SERIAL NO. R17A**	WIRING INSTRUCTION	**See Page 4**

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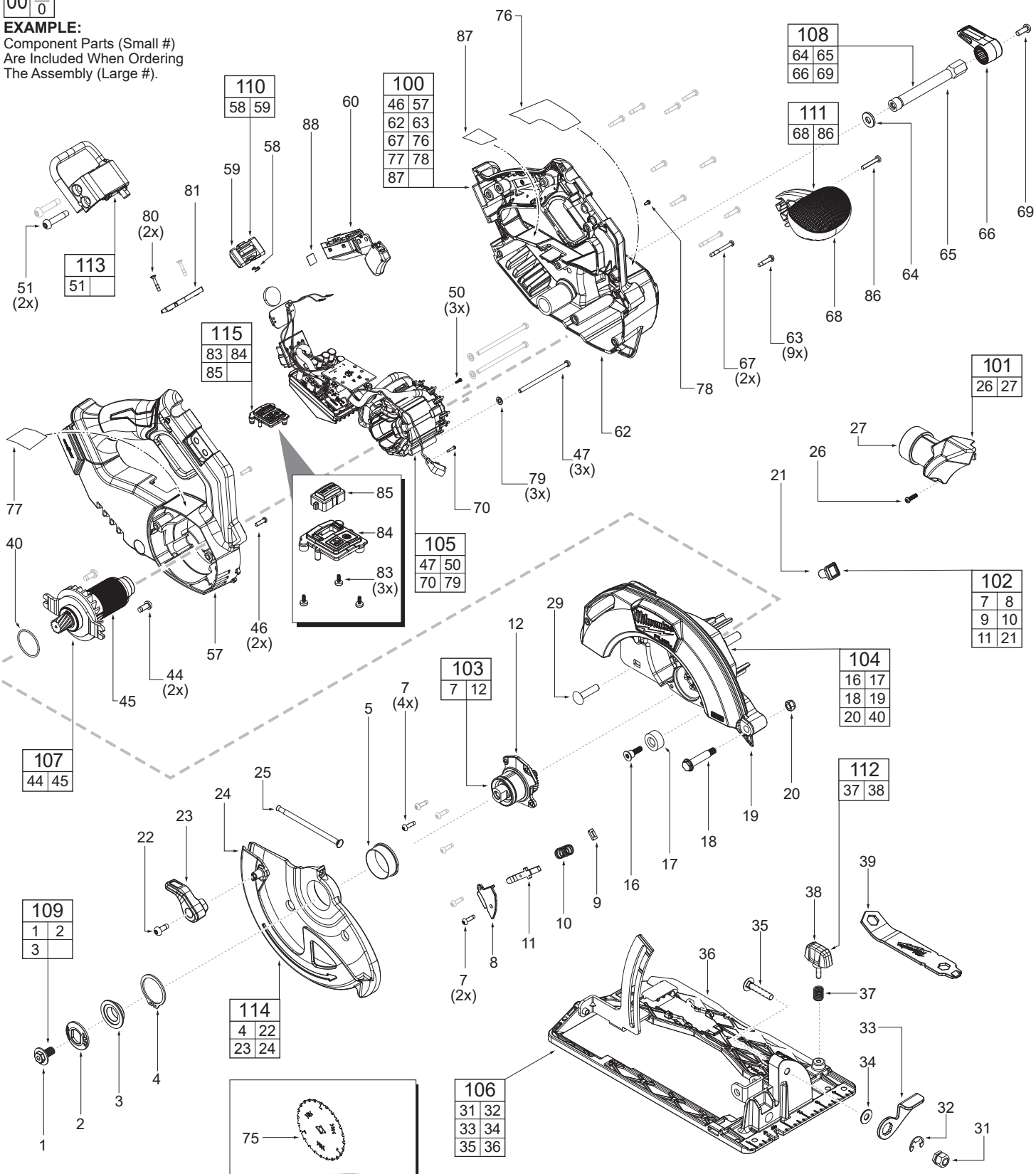
EXAMPLE:
Component Parts (Small #)
Are Included When Ordering
The Assembly (Large #).



SEE PAGE 3 FOR SERVICE NOTES AND THE LUBRICATION OF THIS TOOL

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SERVICE BOM LISTING

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
1	----------	Flange Bolt	(1)
2	----------	Outer Flange	(1)
3	43-34-0790	Inner Flange	(1)
4	----------	External Retaining Ring	(1)
5	31-15-9005	Sleeve Ring	(1)
7	06-82-5285	#6-32 T-15 Pan Hd. Screw	(6)
8	----------	Spindle Lock Cover	(1)
9	45-06-1260	Felt Seal	(1)
10	40-50-8046	Spindle Lock Spring	(1)
11	----------	Spindle Lock Plate	(1)
12	----------	Output Gear Sub-Assembly	(1)
16	45-04-0485	M4 x 19.8mm PH Torx T-20 Taptite Screw	(1)
17	42-38-0224	Rubber Bumper	(1)
18	----------	Pivot Shoulder Bolt	(1)
19	----------	Upper Guard Gearcase	(1)
20	----------	M6 x 6mm Hexagon Nut	(1)
21	----------	Spindle Lock Button	(1)
22	06-82-5314	#10-24 Pan Hd. Torx T-25 Taptite Screw	(1)
23	----------	Lower Guard Lever	(1)
24	----------	Lower Guard	(1)
25	49-68-5212	Spring	(1)
26	05-78-1005	M3.5 x 12mm Philips M Screw	(1)
27	14-20-0415	Dust Port	(1)
29	06-10-0110	Carriage Bolt (Short Neck)	(1)
31	----------	Hexagon Nut	(1)
32	----------	Bowed E-Ring	(1)
33	----------	Depth Adjustment Knob	(1)
34	----------	Washer	(1)
35	06-10-0025	M6 x 1 Bevel Machine Screw	(1)
36	----------	Shoe Assembly	(1)
37	40-50-0650	Rip Fence Spring	(1)
38	----------	Rip Fence Knob	(1)
39	45-88-9320	Blade Bolt Wrench	(1)
40	----------	O-Ring	(1)
44	05-74-1030	M5 x 12mm Torx T-25 Pan. Hd. Screw	(2)
45	----------	Rotor Sub-Assembly	(1)
46	05-78-1010	M3.5 x 12mm Pan Hd. Torx T-10 Screw	(2)
47	42-32-0028	M4 x 70mm Pan Hd. Torx T-20 Screw	(3)
50	06-82-0243	M2 x 6mm Torx T-6 PT Screw	(3)
51	06-82-9637	M6 x 28mm Pan Hd. Torx T-30 Screw	(2)
57	----------	Handle Support	(1)
58	----------	Button Flake	(1)
59	----------	Switch Lock Button	(1)
60	23-66-0116	Switch	(1)
60b	----------	Switch Screws (Not Shown)	(2)
62	----------	Handle Cover	(1)
63	06-82-7470	#6-19 17mm Torx T-15 Screw	(9)
64	----------	Flat Washer	(1)
65	----------	Depth Shaft	(1)
66	----------	Depth Adjustment Lever	(1)
67	05-74-7190	M3.5 x 30mm Pan Hd. Torx T-10 Screw	(2)
68	----------	Front Pommel	(1)
69	05-78-0032	M5 x 13mm Machine Screw	(1)
70	----------	M2 x 10mm Pan Hd. Torx T-6 B Screw	(1)
74	50-55-3560	Contractor Bag (Accessory)	(1)
75	48-40-0740	Circular Saw Blade (Accessory)	(1)
76	12-20-2805	Service Nameplate	(1)
77	10-22-3007	Warning Label (#2)	(1)
78	05-78-5320	M2.3 x 5mm Pan Hd. Torx T-8 Screw	(1)
79	----------	Flat Washer	(3)
80	06-82-0248	M3 x 16.5mm FH Phillips #2 B ST Screw	(2)
81	28-20-0038	Coin Cell Battery Cover	(1)
83	----------	M2 x 5mm T-8 PT Screw	(3)
84	----------	Vaclink OneKey UI Panel	(1)
85	----------	Vaclink OneKey UI Button	(1)
86	06-82-7475	#6-19 Torx T-15 PH L=.875" ST Screw	(1)
87	10-22-3006	Warning Label (#1)	(1)
88	10-15-9730	ID Label	(1)
100	31-44-0323	Handle Kit	(1)
101	14-46-9961	Dust Tube Kit	(1)
102	14-46-9962	Spindle Lock Kit	(1)
103	14-47-1270	Output Gear Assembly	(1)
104	14-46-9963	Gearcase Kit	(1)
105	14-20-0404	PCBA & Stator Assembly	(1)
106	45-16-3260	Shoe Kit	(1)
107	16-01-6530	Rotor Assembly	(1)
108	14-46-9965	Plunge Lever Kit	(1)
109	14-46-9966	Blade Retention Kit	(1)
110	14-46-9968	Lock-Off Trigger Kit	(1)
111	31-44-0325	Pommel Kit	(1)
112	49-22-9940	Rip Fence Kit	(1)
113	14-46-9967	Rafter Hook Assembly	(1)
114	28-41-2040	Lower Guard Assembly	(1)
115	31-44-0344	UI Kit	(1)

SCREW TORQUE SPECIFICATIONS

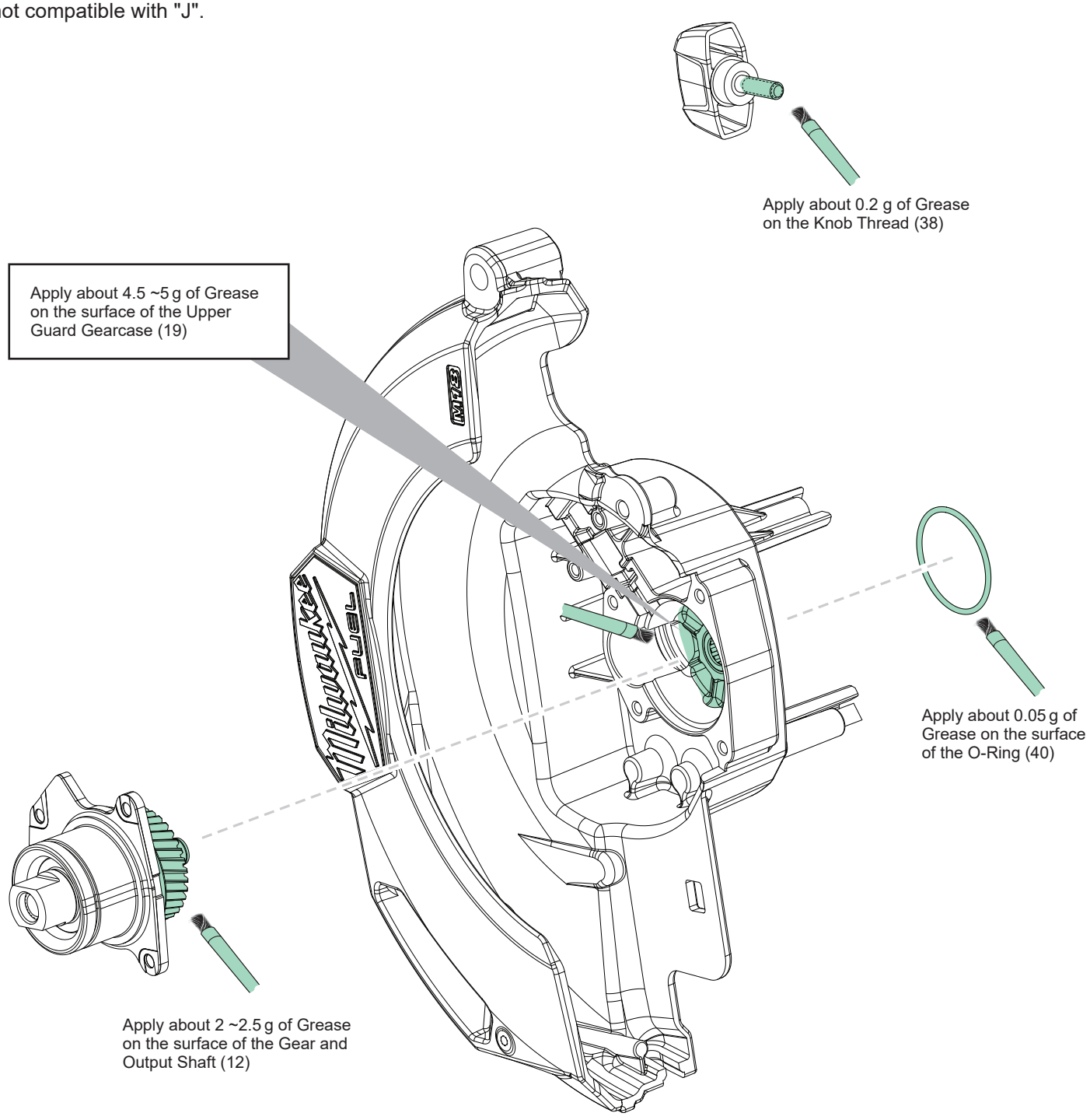
FIG.	PART NO.	DESCRIPTION OF FASTENER	QTY	WHERE USED	SEAT TORQUE (kgf-cm)	SEAT TORQUE (lb-in)
1	----------	Flange Bolt	1	For Flange	10 ± 1	9 ± 1
7	06-82-5285	#6-32 T-15 Pan Hd. Screw	6	For Outhub and Spindle Lock Cover	17 ± 3	15 ± 2.6
16	45-04-0485	M4 x 19.8mm PH Torx T-20 Taptite Screw	1	For Rubber Bumper	35 ± 4	30 ± 3.5
18	----------	Pivot Shoulder Bolt	1	For Bevel Pivot	22 ± 2	19 ± 1.7
22	06-82-5314	#10-24 Pan Hd. Torx T-25 Taptite Screw	1	For Lower Guard Lever	35 ± 4	00 ± 3.5
31	----------	Hexagon Nut	1	For Bevel	22 ± 2	19 ± 1.7
44	05-74-1030	M5 x 12mm Torx T-25 Pan. Hd. Screw	2	For Bearing Retainer Plate	30 ± 3	26 ± 2.6
46	05-78-1010	M3.5 x 12mm Pan Hd. Torx T-10 Screw	2	For Right Handle	10 ± 1	9 ± 1
47	42-32-0028	M4 x 70mm Pan Hd. Torx T-20 Screw	3	For Stator	18 ± 2	16 ± 1.7
50	06-82-0243	M2 x 6mm Torx T-6 PT Screw	3	For Hall Board	2.5 ± 0.3	2.2 ± 0.3
51	06-82-9637	M6 x 28mm Pan Hd. Torx T-30 Screw	2	Ror Rafter Hook Bracket	25 ± 3	22 ± 2.6
60b	----------	Switch Screws	2	For Switch	10 ± 1	9 ± 1
63	06-82-7470	#6-19 17mm Torx T-15 Screw	9	For Left Handle	11 ± 1	10 ± 1
65	----------	Depth Shaft	1	For Depth Shaft	40 ± 4	35 ± 3.5
67	05-74-7190	M3.5 x 30mm Pan Hd. Torx T-10 Screw	2	For Left Handle	13 ± 2	11 ± 1.7
69	49-16-2718	M5 x 13mm Machine Screw	1	For Depth Lever	30 ± 3	26 ± 2.6
70	----------	M2 x 10mm Pan Hd. Torx T-6 B Screw	1	For Worklight	2.8 ± 0.3	2.4 ± 0.3
78	05-78-5320	M2.3 x 5mm Pan Hd. Torx T-8 Screw	1	For Left Handle	1.6 ± 0.5	1.4 ± 0.4
80	----------	M3 x 16.5mm FH Phillips #2 B ST Screw	2	For Coin Cell Battery Cover	4.5 ± 0.3	3.9 ± 0.3
83	----------	M2 x 5mm T-8 PT Screw	3	For UI Panel	2.4 ± 0.3	2.1 ± 0.3
86	06-82-7475	#6-19 Torx T-15 PH L=.875" ST Screw	1	For Pommel	14 ± 2	12 ± 1.7

▶ Type "J" Grease

No. 49-08-4220, 1 lb can

Apply thin coat of grease to areas indicated.

NOTE: When servicing, remove 90-95% of the existing grease prior to installing Type "J". Original grease may be similar in color but not compatible with "J".

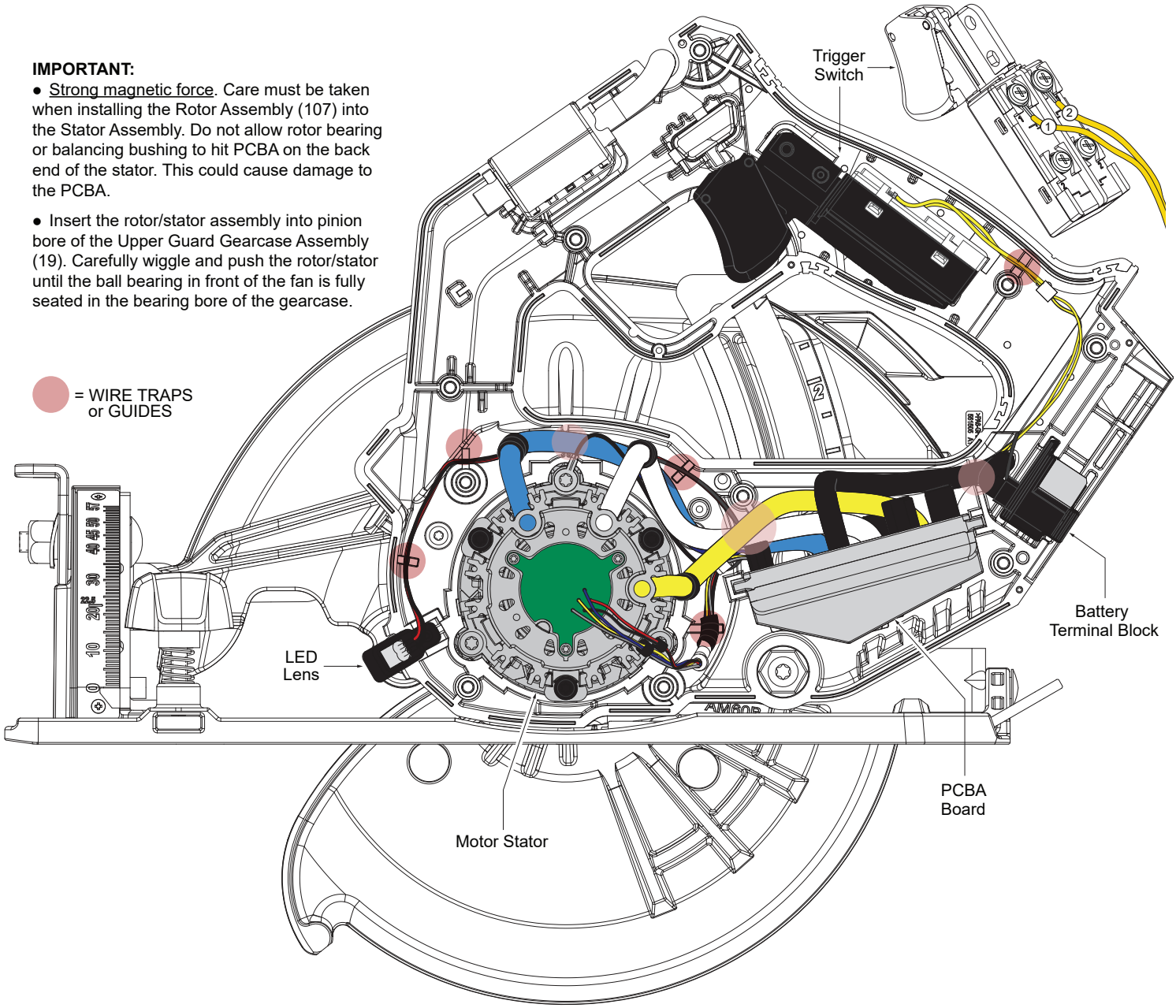


WIRING DIAGRAM

IMPORTANT:

● Strong magnetic force. Care must be taken when installing the Rotor Assembly (107) into the Stator Assembly. Do not allow rotor bearing or balancing bushing to hit PCBA on the back end of the stator. This could cause damage to the PCBA.

● Insert the rotor/stator assembly into pinion bore of the Upper Guard Gearcase Assembly (19). Carefully wiggle and push the rotor/stator until the ball bearing in front of the fan is fully seated in the bearing bore of the gearcase.



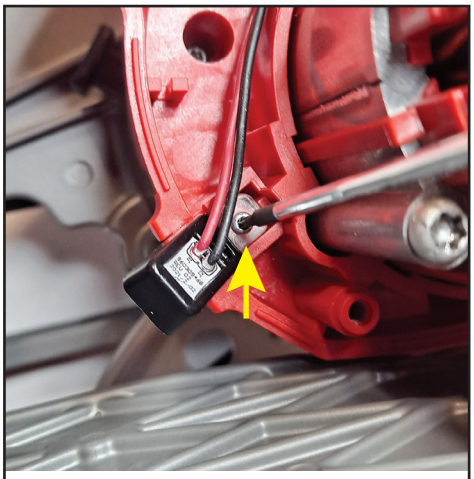
HOW TO REPLACE THE ELECTRONICS ASSEMBLY (FIG.105)

NOTE: Tool model 2834-20 shown in pictures

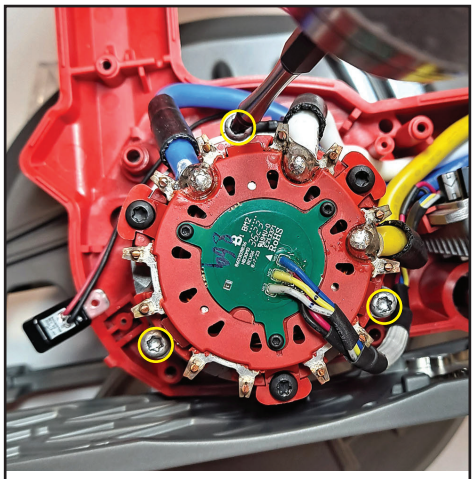
Remove two T-30 screws (fig.51) from rafter hook assembly.

Remove T-25 screw (fig.69) from inside plunge lever.

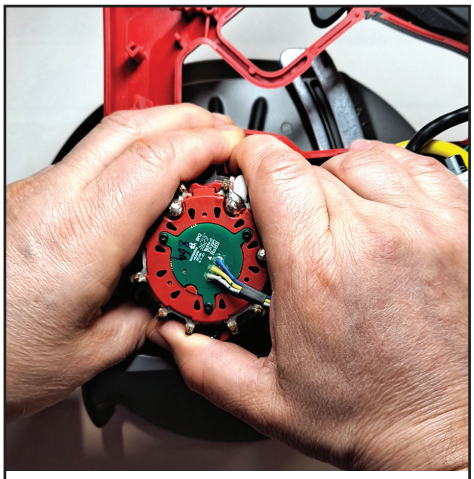
Remove from left housing/handle nine T-15 screws (fig.63) circled in yellow, two T-10 screws (fig.67) circled in white and one T-8 screw (fig.78) circled in green.



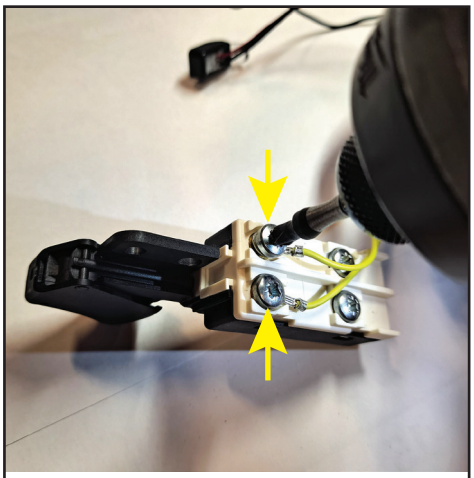
Remove T-6 screw (fig.70) from LED light with screwdriver.



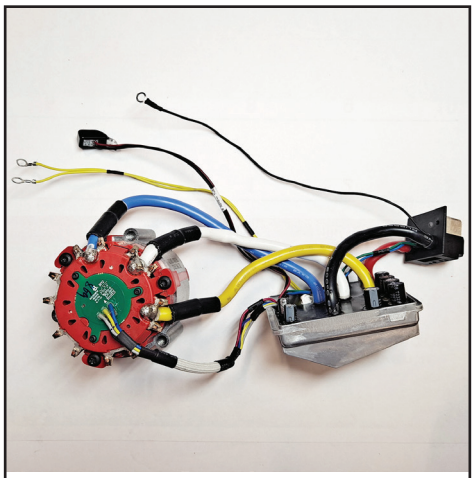
Remove three T-20 screws (fig.47) from stator.



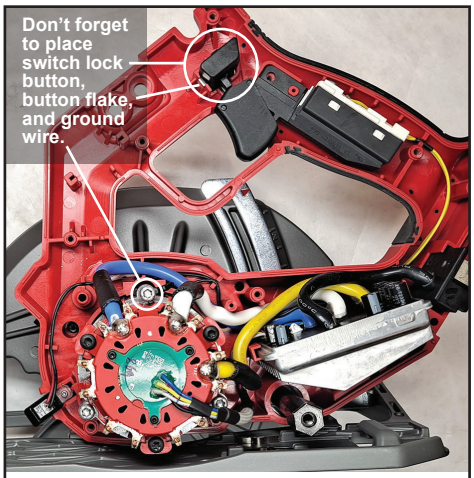
Firmly grasp the stator with both hands and forcibly pull the stator from the magnetic force of the rotor assembly.



Remove 2 top screws from switch (fig.60) with philips head bit or screwdriver. Detach yellow wires from screws/switch.



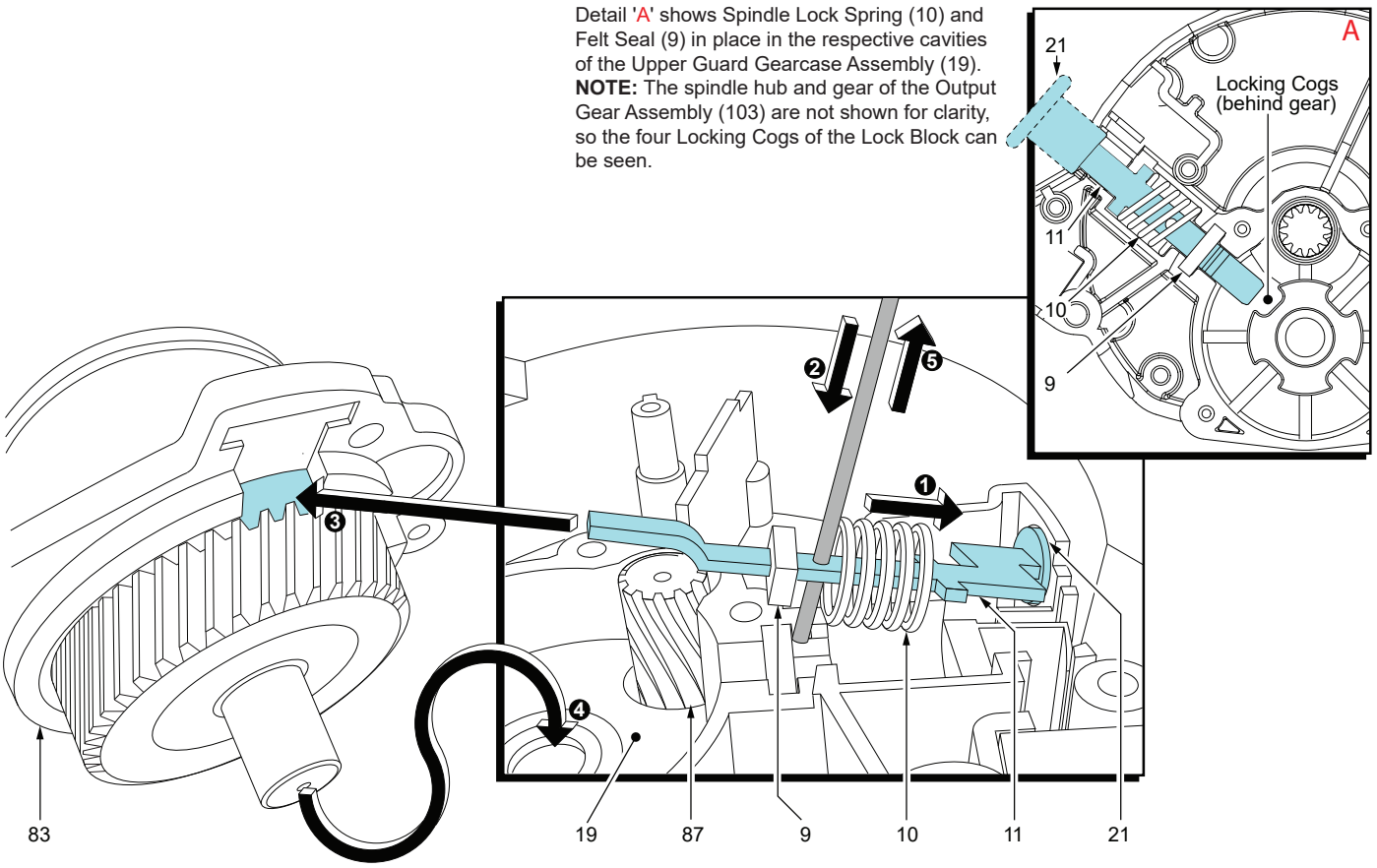
Remove old PCBA & Stator assembly and replace with new PCBA & Stator service assembly 14-20-0404 (fig.105).



Follow directions in reverse order to put assembly/tool back together. Be sure there are no interferences and wires are properly placed within traps/channels.

ASSEMBLING OUTPUT GEAR ASSEMBLY INTO UPPER GUARD GEARCASE

Detail 'A' shows Spindle Lock Spring (10) and Felt Seal (9) in place in the respective cavities of the Upper Guard Gearcase Assembly (19). **NOTE:** The spindle hub and gear of the Output Gear Assembly (103) are not shown for clarity, so the four Locking Cogs of the Lock Block can be seen.



To prevent damage to the Felt Seal (9) it is recommended to temporarily remove the felt seal until steps 1 and 2 are completed.

1. With the use of both hands, compress the Spindle Lock Spring (10) back on the Spindle Lock Plate (11) past the small hole on the plate.

2. While holding the spring back with one hand, quickly insert a thin metal instrument into the small hole on the plate. The metal instrument should capture the entire spring (all coils should be behind that tool).

   With the spindle lock spring trapped behind the small hole on the spindle lock plate, slide the felt seal back onto the spindle lock plate. Position the felt seal above the corresponding cavity in the Upper Guard Gearcase (19).

3. Insert the open end of the Spindle Lock Plate (11) into the opening of the Output Gear Assembly (103) behind the gear, as shown.

4. Insert the bearing shaft portion of the output shaft assembly into the needle bearing of the upper guard gearcase assembly. Carefully wiggle the entire output shaft assembly until the gearing of the output shaft assembly engages with the pinion gearing of the Rotor (107) and the output shaft assembly slides into place.

   Secure the output shaft assembly to the upper guard gearcase assembly with the use of four screws (7), not shown. It is recommended to alternate the tightening of the screws.

5. Remove the thin metal instrument. Check for the proper functioning of the spindle locking mechanism. Rotate the spindle shaft and depress the Spindle Lock Button (21) at the same time. The spindle lock plate should drop into one of four cogs that lock the spindle. Spindle lock mechanism must return briskly when released from engagement in the lock block cog.