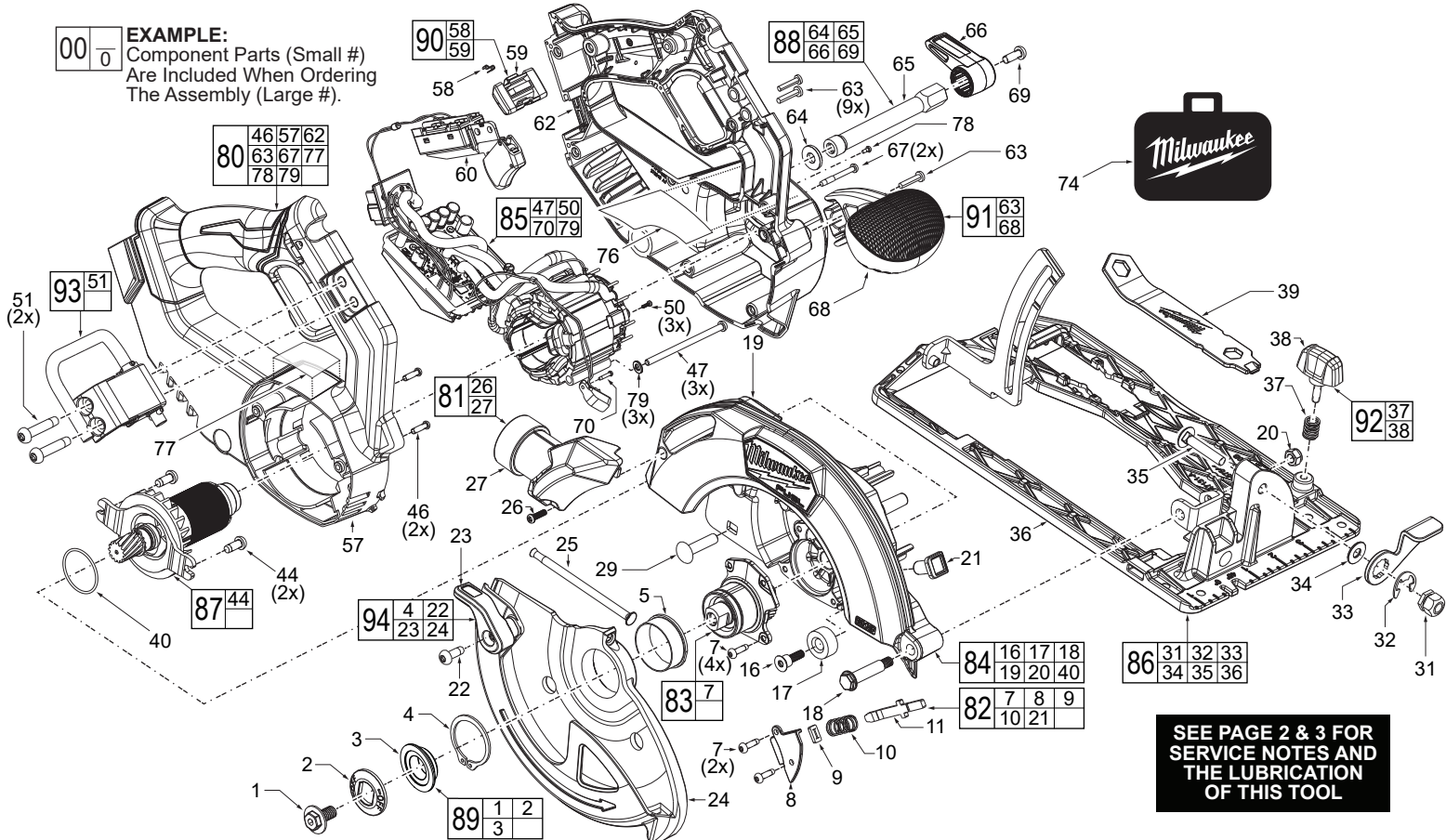




## SERVICE PARTS LIST

**BULLETIN NO.**  
**54-40-2795**

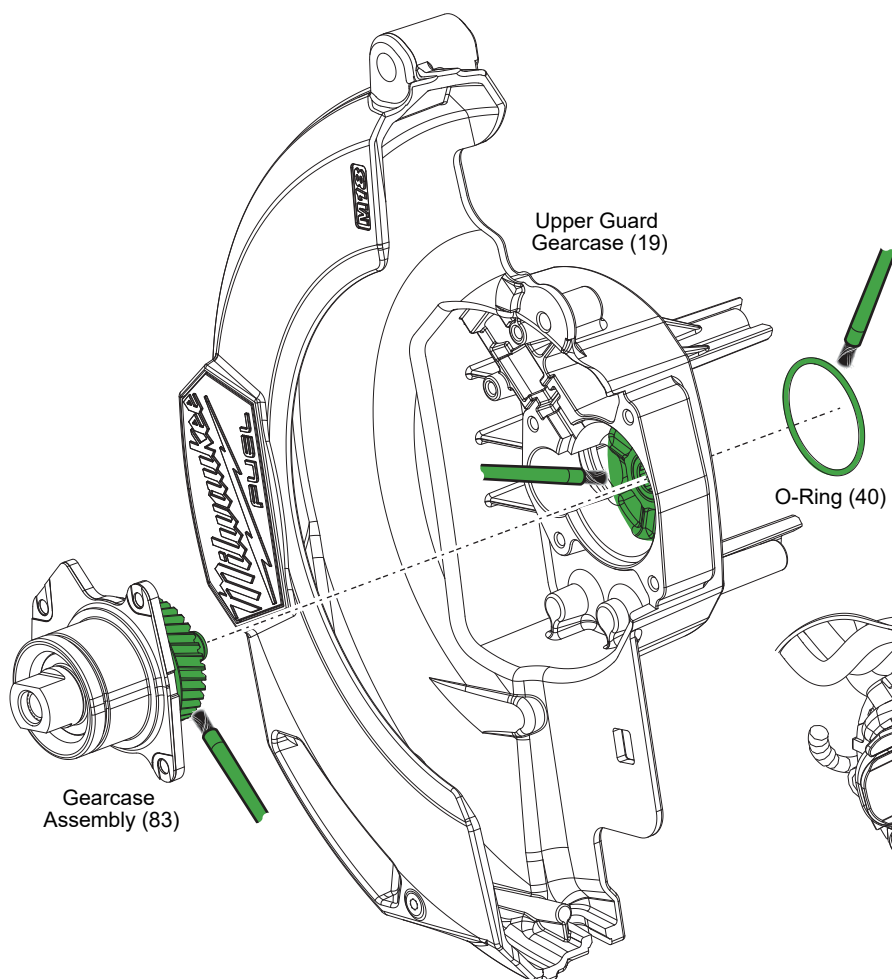
SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS		REVISED BULLETIN	DATE
<b>M18 FUEL™ 7-1/4" Circular Saw</b>			Aug. 2025
<b>CATALOG NO.</b>	<b>2834-20</b>	<b>SERIAL NO.</b>	<b>N90A</b>
		<b>WIRING INSTRUCTION</b> <b>See Pages 3 &amp; 4</b>	



**SEE PAGE 2 & 3 FOR  
SERVICE NOTES AND  
THE LUBRICATION  
OF THIS TOOL**

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.	FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
1	-----	Flange Bolt	(1)	50	06-82-0243	M2 x 6mm Torx T-6 PT Screw	(3)
2	-----	Outer Flange	(1)	51	06-82-9637	M6 x 28mm Pan Hd. Torx T-30 Screw	(2)
3	43-34-0790	Inner Flange	(1)	57	-----	Right Handle	(1)
4	-----	External Retaining Ring	(1)	58	-----	Button Flake	(1)
5	31-15-9005	Sleeve Ring	(1)	59	-----	Switch Lock Button	(1)
7	06-82-5285	#6-32 T-15 Pan Hd. Screw	(6)	60	23-66-0116	Switch	(1)
8	-----	Spindle Lock Cover	(1)	62	-----	Left Handle	(1)
9	45-06-1260	Felt Seal	(1)	63	06-82-7470	#6-19 17mm Torx T-15 Screw	(10)
10	40-50-8046	Spindle Lock Spring	(1)	64	-----	Washer	(1)
11	-----	Spindle Lock Plate	(1)	65	-----	Depth Shaft	(1)
16	45-04-0485	M4 x .7 Pan Hd. Torx T-20 Taptite Screw	(1)	66	-----	Depth Adjustment Lever	(1)
17	42-38-0224	Rubber Bumper	(1)	67	05-74-7190	M3.5 x 1.27 Pan Hd. Torx T-10 Screw	(2)
18	-----	Pivot Shoulder Bolt	(1)	68	-----	Front Pommel	(1)
19	-----	Upper Guard Gearcase	(1)	69	05-78-0032	M5 x 13mm Machine Screw	(1)
20	-----	Hex Nut	(1)	70	-----	M2 x .635 Pan Hd. Torx T-6 Screw	(1)
21	-----	Spindle Lock Button	(1)	74	42-55-2743	Contractor Bag (Accessory)	(1)
22	06-82-5314	#10-24 Pan Hd. Torx T-25 Taptite Screw	(1)	76	12-20-0387	Service Nameplate	(1)
23	-----	Lower Guard Lever	(1)	77	10-22-0653	Warning Label	(1)
24	-----	Lower Guard	(1)	78	05-78-5320	M2.3 x 5mm Pan Hd. Torx T-6 Screw	(1)
25	49-68-5212	Guard Spring	(1)	79	-----	Washer	(3)
26	05-78-1005	MM3.5 x 12mm Philips Screw	(1)	80	31-44-7270	Handle Service Kit	(1)
27	-----	Dust Port	(1)	81	14-46-9961	Dust Tube Service Kit	(1)
29	06-10-0110	Carriage Bolt	(1)	82	14-46-9962	Spindle Lock Service Kit	(1)
31	-----	Hex Nut	(1)	83	14-47-1270	Output Gear Service Assembly	(1)
32	-----	E-Ring	(1)	84	14-46-9963	Gearcase Service Kit	(1)
33	-----	Bevel Lever	(1)	85	14-46-9964	PCBA & Stator Service Assembly	(1)
34	-----	Washer	(1)	86	45-16-3260	Shoe Service Kit	(1)
35	06-10-0025	M6 x 1 Bevel Machine Screw	(1)	87	16-01-6530	Rotor Service Assembly	(1)
36	-----	Shoe Assembly	(1)	88	14-46-9965	Plunge Lever Service Kit	(1)
37	40-50-0650	Rip Fence Spring	(1)	89	14-46-9966	Blade Retention Service Kit	(1)
38	-----	Rip Fence Knob	(1)	90	14-46-9968	Lock-Off Trigger Service Kit	(1)
39	45-88-9320	Blade Bolt Wrench	(1)	91	31-44-7260	Pommel Service Kit	(1)
40	-----	O-Ring	(1)	92	49-22-9940	Knob Service Kit	(1)
44	05-74-1030	M5 x .8 Torx T-25 Pan. Hd. Screw	(2)	93	14-46-9967	Rafter Hook Service Assembly	(1)
46	05-78-1010	M3.5 x .6 Pan Hd. Torx T-10 Screw	(2)	94	28-41-2040	Lower Guard Service Assembly	(1)
47	42-32-0028	M4 x .7 Pan Hd. Torx T-20 Screw	(3)	95	49-22-2731	Rip Fence (Not Shown)	(1)
48	-----	Stator	(1)				

## LUBRICATION INSTRUCTIONS

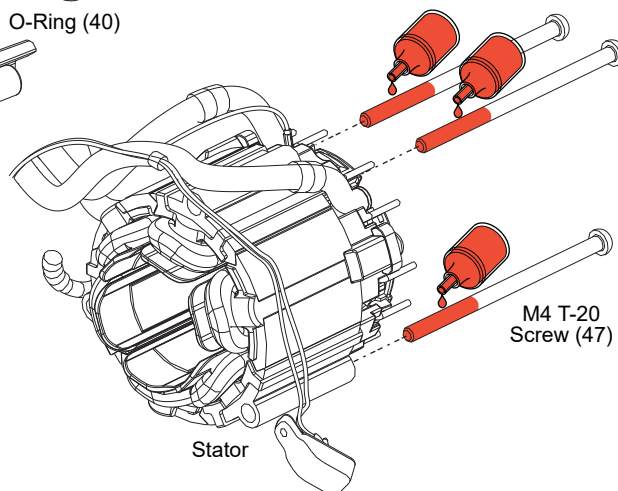


● Type "J" Grease  
(1-lb.), No. 49-08-4220

**NOTE:**  
Regarding parts to be lubricated:  
Apply a light coating of grease to  
all highlighted parts shown prior  
to installation. Reference the  
key above for grease types.

● 277 Red Loctite®,  
No. 44-22-0055

**NOTE**  
Regarding parts to receive  
thread locking sealant: Place one  
to two drops of the recommended  
Loctite® thread locking sealant  
(or the equivalent) to the threads  
of parts shown prior to installation.



### SCREW TORQUE SPECIFICATIONS

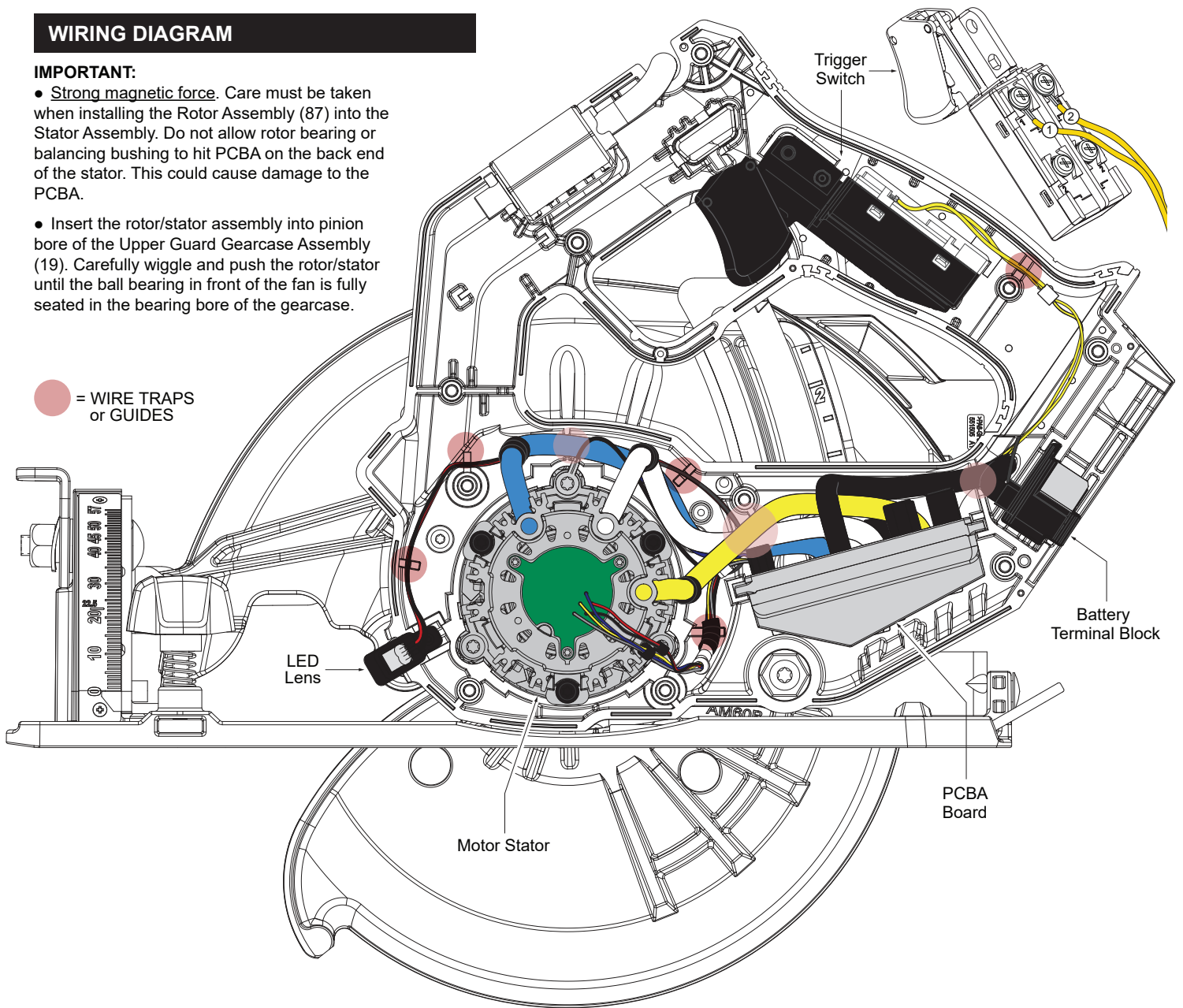
FIG.	PART NO.	WHERE USED	SEAT TORQUE	
			(kgf-cm)	(lb-in)
1	-----	Flange	10±1	9±1
7	06-82-5285	Output Hub/Spindle Lock Cover	20±2	17±2
16	45-04-0485	Rubber Bumper	35±4	30±3
18	-----	Bevel Pivot	22±2	19±2
22	06-82-5314	Lower Guard Lever	35±4	30±3
31	-----	Bevel	22±2	19±2
44	05-74-1030	Bearing Retainer Plate	30±3	26±3
46	05-78-1010	Handle	10±1	9±1
47	42-32-0028	Stator	18±2	16±2
50	06-82-0243	Hall Board	2.1±0.2	1.8±0.2
51	06-82-9637	Rafter Hook Bracket	28±3	24±3
60	23-66-0116	Switch	10±1	9±1
63	06-82-7470	Left Handle	11±1	10±1
		Pommel	13±2	11±2
65	-----	Carriage Bolt	40±4	35±3
67	05-74-7190	Left Handle	13±2	11±2
69	05-78-0032	Depth Lever	30±3	26±3
70	-----	Worklight	2±0.2	2±0.2
78	05-78-5320	Left Handle	2±0.5	2±0.4

## WIRING DIAGRAM

### IMPORTANT:

- **Strong magnetic force.** Care must be taken when installing the Rotor Assembly (87) 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.85)



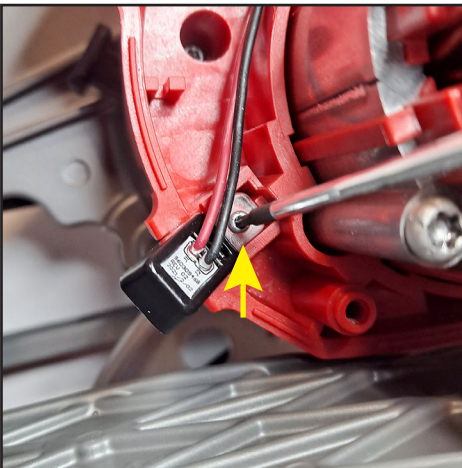
Remove two T-30 screws (fig.51) from rafter hook assembly.



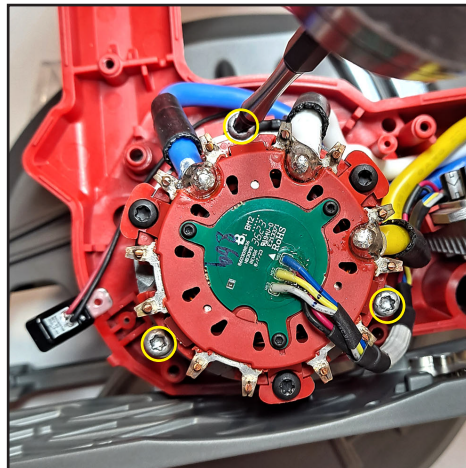
Remove T-25 screw (fig.69) from inside plunge lever.



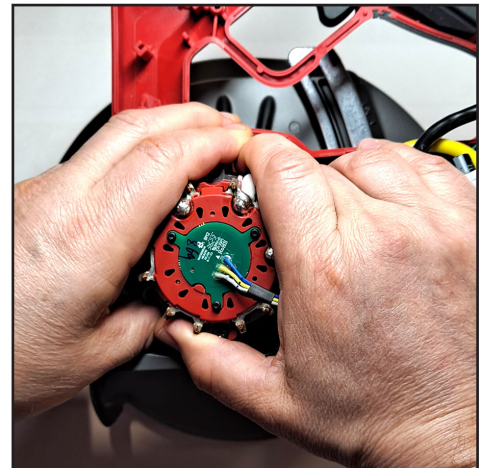
Remove from left housing/handle nine T-15 screws (fig.63) circled in yellow, two T-10 screws (fig.67) circled in white and one T-8 screw (fig.78) circled in green.



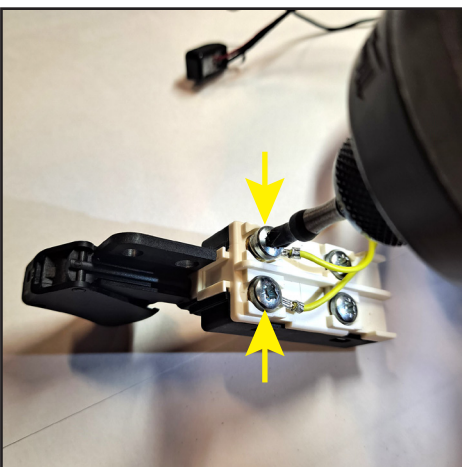
Remove T-6 screw (fig.70) from LED light with screwdriver.



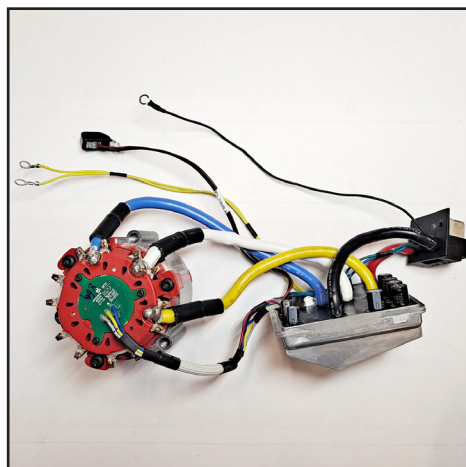
Remove three T-20 screws (fig.47) from stator.



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 14-46-9964 (fig.85).

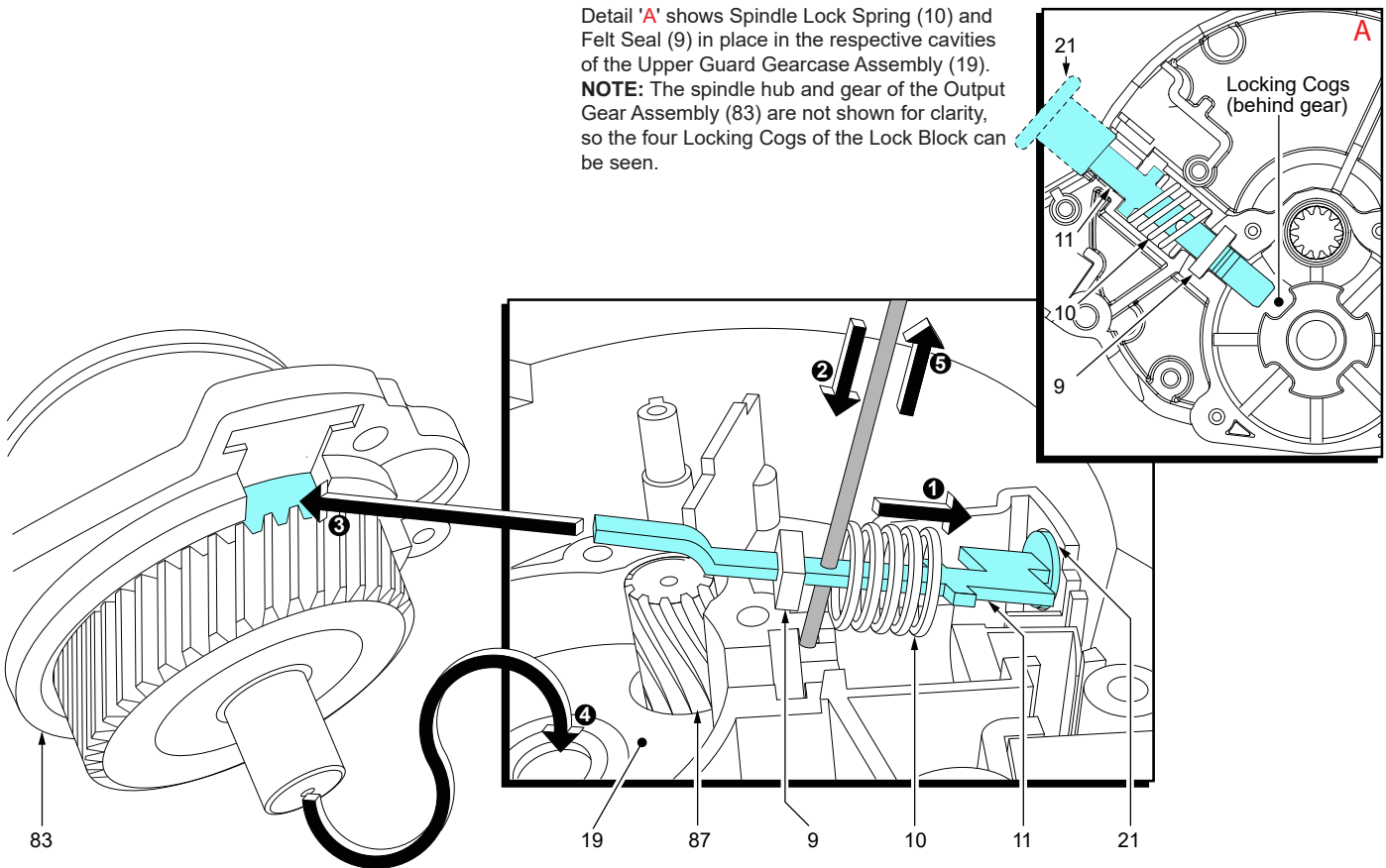


Follow directions in reverse order to put assembly/tool back together. Be sure there are no interferences and wires are properly placed within traps/channels.



## 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 (83) 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 (83) 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 (87) 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.