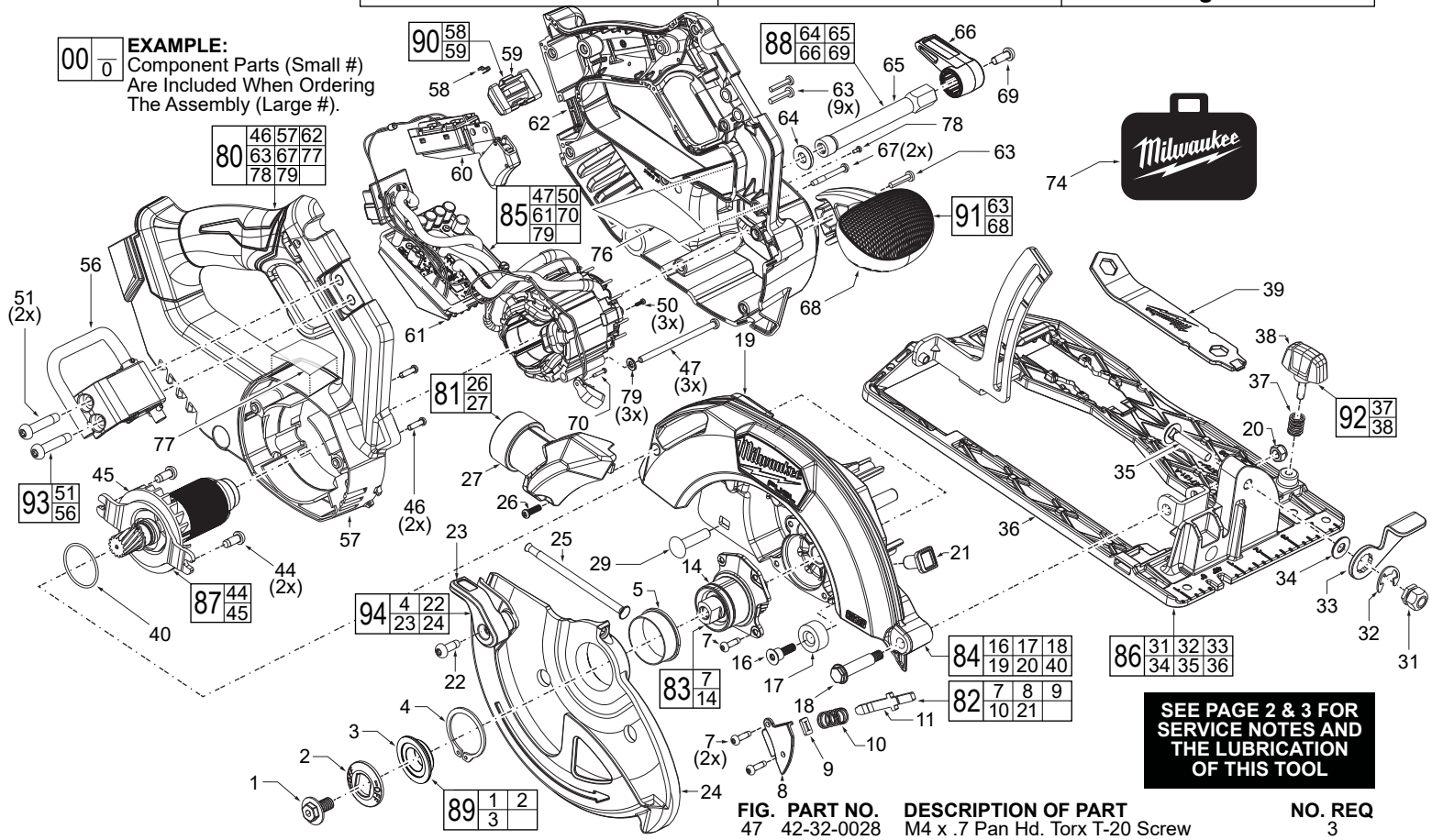
SERVICE PARTS LIST

BULLETIN NO. 54-40-2795

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS	REVISED BULLETIN	DATE
M18 FUEL™ 7-1/4" Circular Saw		May 2024
CATALOG NO. 2834-20 **SERIAL NO. N90A**	WIRING INSTRUCTION	**See Pages 3 & 4**

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



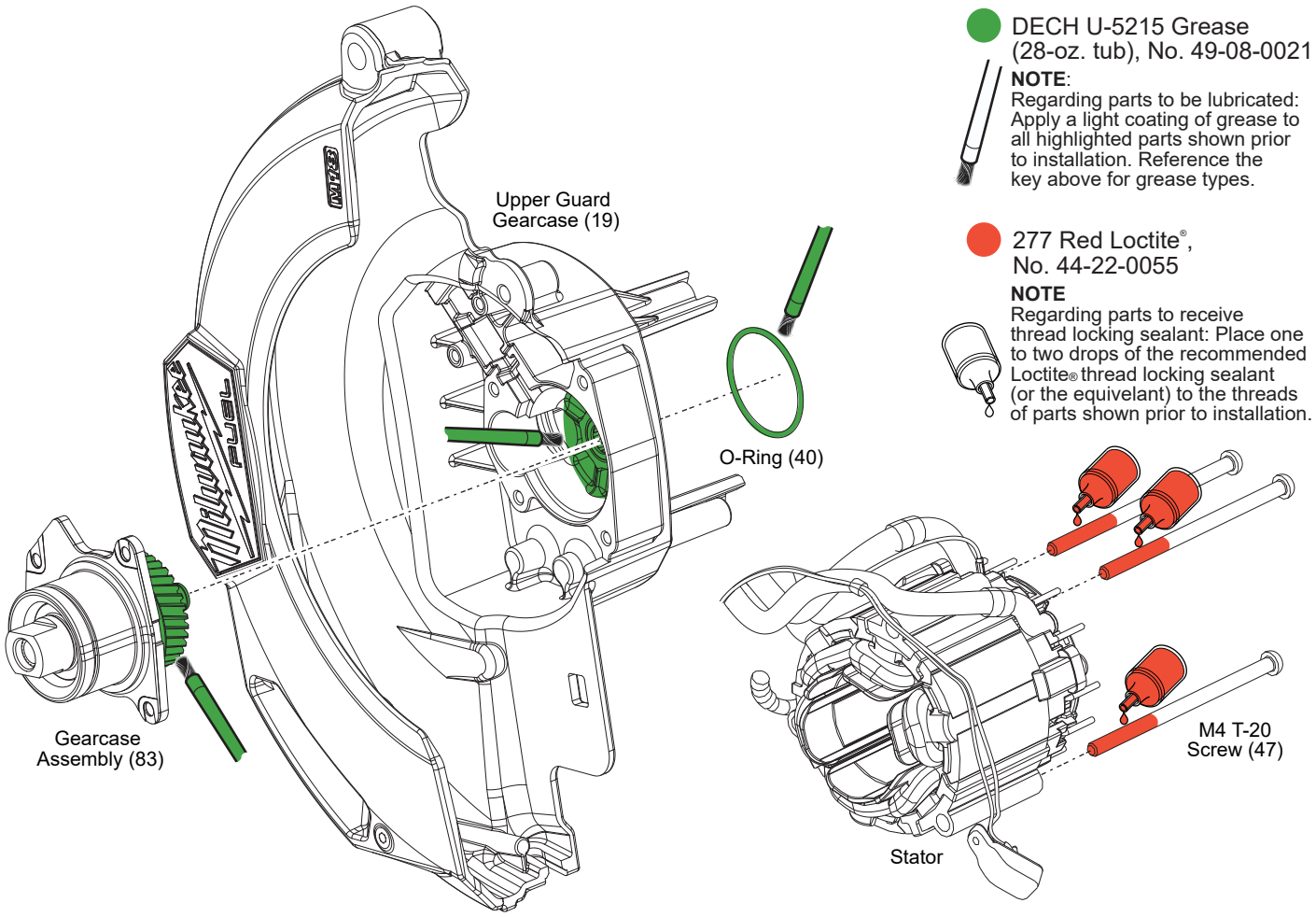
SEE PAGE 2 & 3 FOR SERVICE NOTES AND THE LUBRICATION OF THIS TOOL

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
14	----------	Output Gear Sub-Assembly	1
15	----------	Needle Bearing	1
16	45-04-0485	M4 x .7 Pan Hd. Torx T-20 Taptite Screw	1
17	42-38-0224	Rubber Bumper	1
18	----------	Pivot Shoulder Bolt	1
19	----------	Upper Guard Gearcase	1
20	----------	Hex 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	40-50-0045	Spring Guard	1
26	05-78-1005	MM3.5 x 12mm Philips Screw	1
27	----------	Dust Port	1
28	----------	Logo Label	1
29	06-10-0110	Carriage Bolt	1
30	----------	Depth Detent Spring Assembly	1
31	----------	Hex Nut	1
32	----------	E-Ring	1
33	----------	Bevel Lever	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 .8 Torx T-25 Pan. Hd. Screw	2
45	----------	Rotor Sub-Assembly	1
46	05-78-1010	M3.5 x .6 Pan Hd. Torx T-10 Screw	2

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ
47	42-32-0028	M4 x .7 Pan Hd. Torx T-20 Screw	3
48	----------	Stator	1
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
56	----------	Rafter Hook Sub-Assembly	1
57	----------	Right Handle	1
58	----------	Button Flake	1
59	----------	Switch Lock Button	1
60	23-66-0116	Switch	1
61	----------	PCBA/Stator Sub-Assembly	1
62	----------	Left Handle	1
63	06-82-7470	#6-19 17mm Torx T-15 Screw	10
64	----------	Washer	1
65	----------	Depth Shaft	1
66	----------	Depth Adjustment Lever	1
67	05-74-7190	M3.5 x 1.27 Pan Hd. Torx T-10 Screw	2
68	----------	Front Pommel	1
69	49-16-2718	M5 x 13mm Machine Screw	1
70	----------	M2 x .635 Pan Hd. Torx T-6 Screw	1
71	----------	Washer	1
74	42-55-2743	Contractor Bag (Accessory)	1
76	12-20-0387	Service Nameplate	1
77	10-22-0653	Warning Label	1
78	05-78-5320	M2.3 x 5mm Pan Hd. Torx T-6 Screw	1
79	----------	Washer	3
80	31-44-7270	Handle Service Kit	1
81	14-46-9961	Dust Tube Service Kit	1
82	14-46-9962	Spindle Lock Service Kit	1
83	14-47-1270	Output Gear Service Assembly with Screws	1
84	14-46-9963	Gearcase Service Kit	1
85	14-46-9964	PCBA & Stator Service Assembly with Screws	1
86	45-16-3260	Shoe Service Kit	1
87	16-01-6530	Rotor Service Assembly with Screws	1
88	14-46-9965	Plunge Lever Service Kit	1
89	14-46-9966	Blade Retention Service Kit	1
90	14-46-9968	Lock-Off Trigger Service Kit	1
91	31-44-7260	Pommel Service Kit	1
92	49-22-9940	Rip Fence Service Kit	1
93	14-46-9967	Rafter Hook Service Assembly with Screws	1
94	28-41-2040	Lower Guard Service Assembly	1

MILWAUKEE TOOL • www.milwaukeetool.com
13135 W. Lisbon Rd., Brookfield, WI 53005

LUBRICATION INSTRUCTIONS

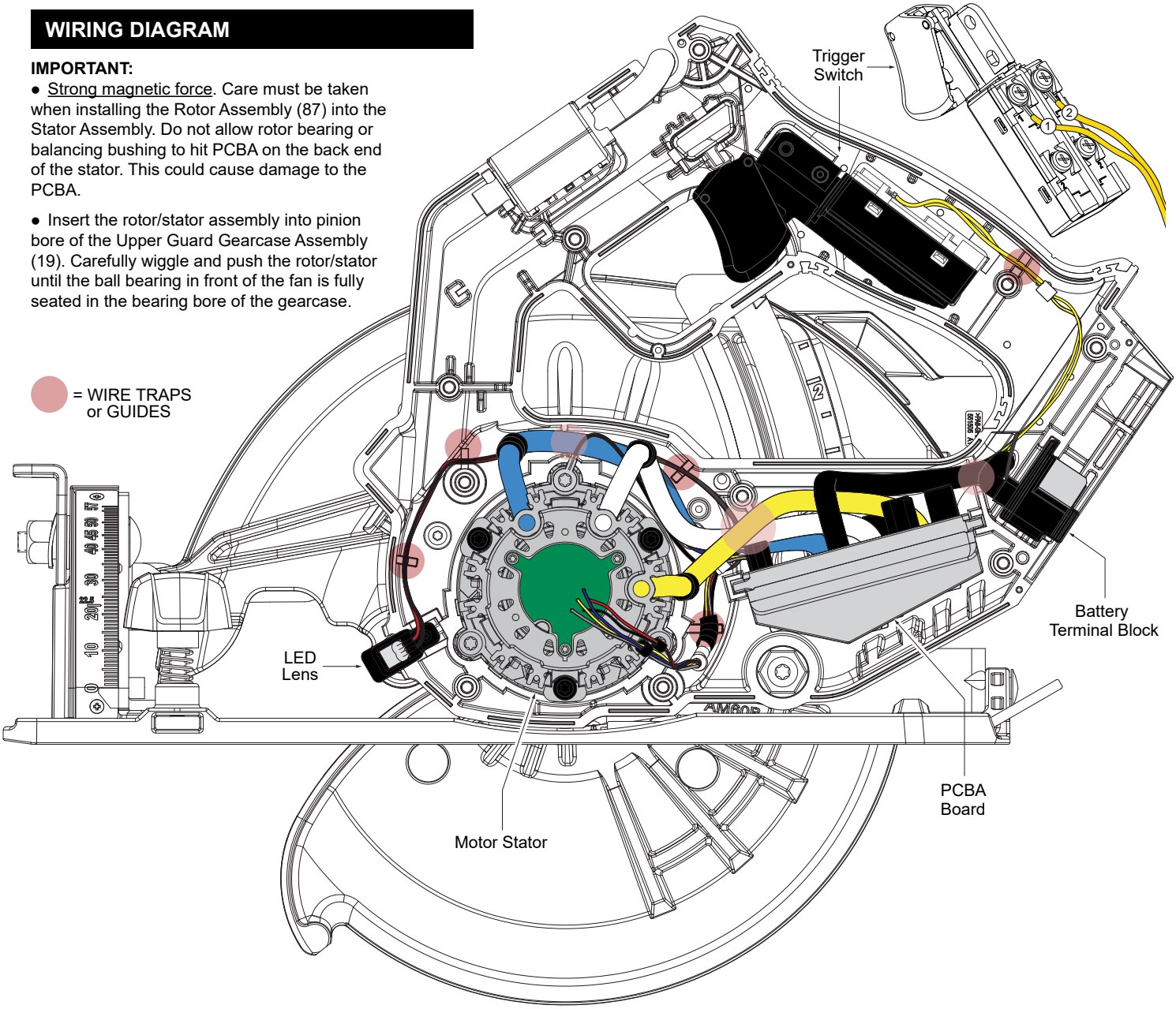


SCREW TORQUE SPECIFICATIONS				
			SEAT TORQUE	
FIG.	PART NO.	WHERE USED	(kgf-cm)	(lb-in)
1	----------	Flange	10±1	9±1
7	06-82-5285	Output Hub/Spindle Lock Cover	20±2	17±2
16	45-04-0485	Rubber Bumper	35±4	30±3
18	----------	Bevel Pivot	22±2	19±2
22	06-82-5314	Lower Guard Lever	35±4	30±3
31	----------	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	49-16-2718	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.

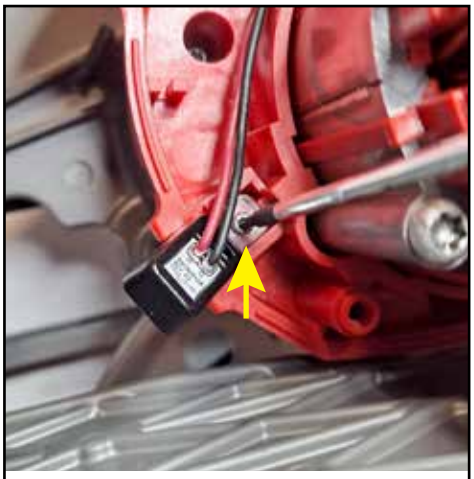


HOW TO REPLACE THE ELECTRONICS ASSEMBLY (FIG.85)

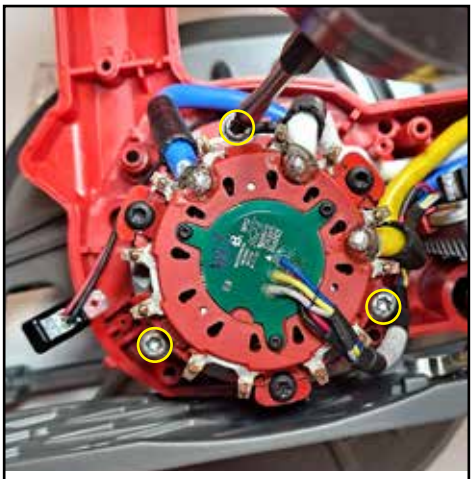
Remove two T-30 screws (fig.51) from rafter hook assembly.

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

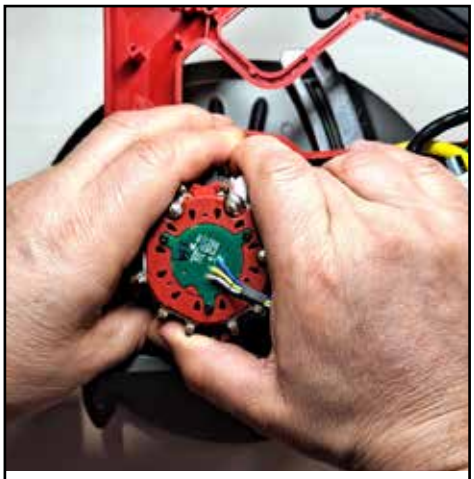
Remove from left housing/handle nine T-15 screws (fig.63) circled in yellow, two T-10 screws (fig.67) circled in white and one T-8 screw (fig.78) circled in green.



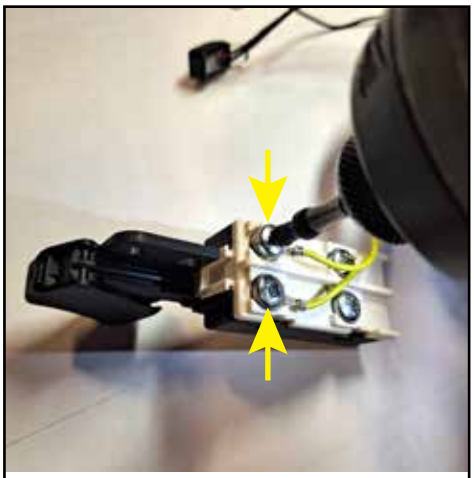
Remove T-6 screw (fig.70) from LED light with screwdriver.



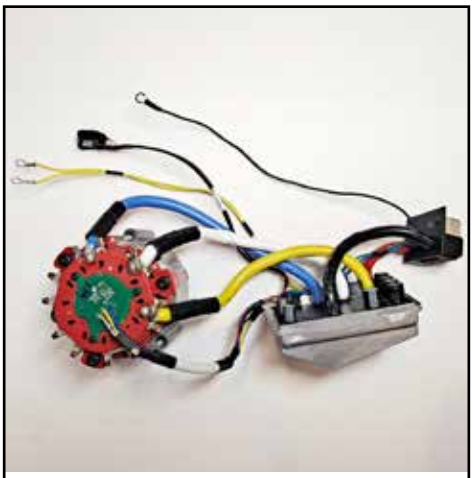
Remove three T-20 screws (fig.47) from stator.



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.

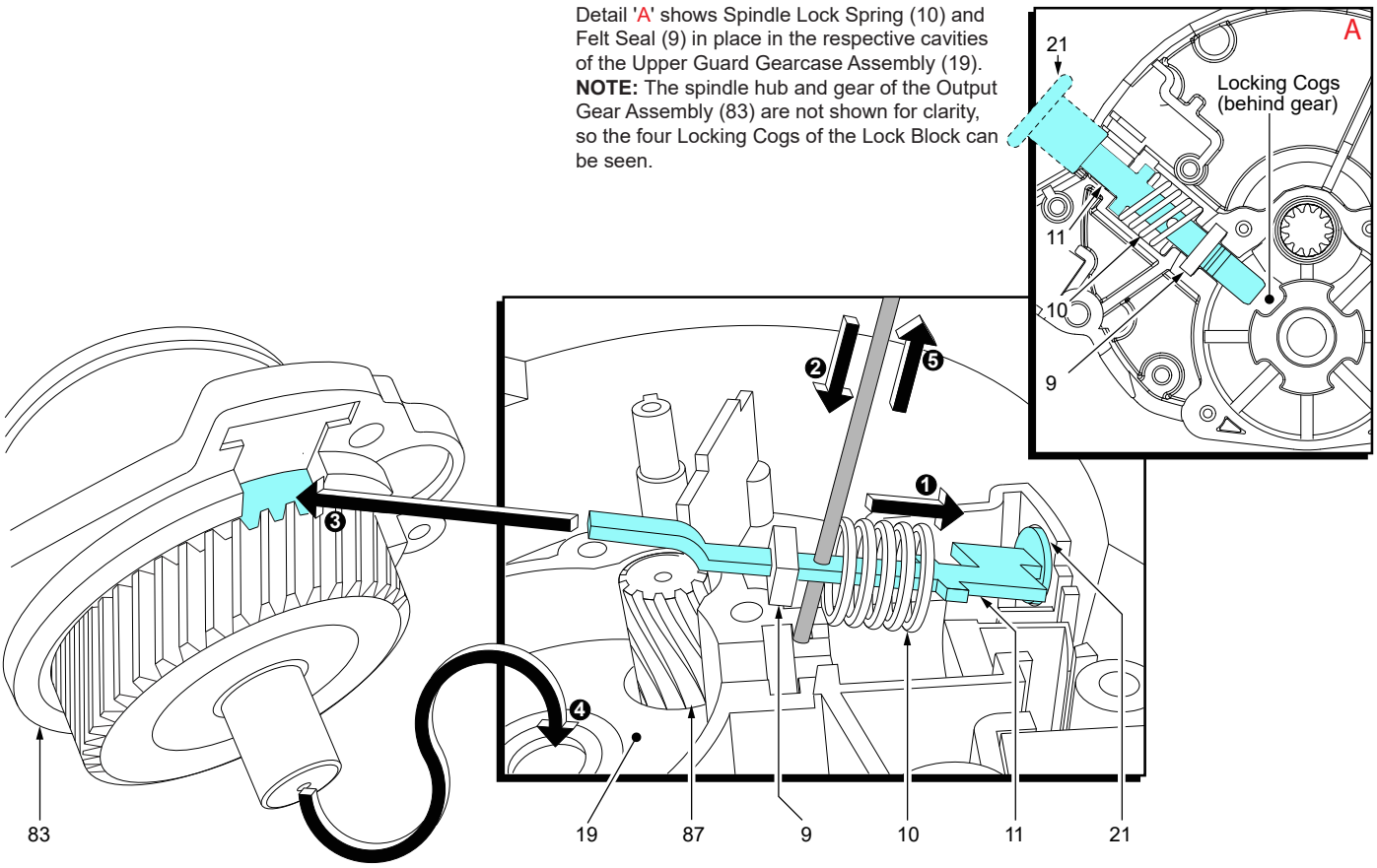


Remove old PCBA & Stator assembly and replace with new PCBA & Stator service assembly 14-46-9964 (fig.85).

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.