



SERVICE PARTS LIST

**BULLETIN NO.
54-40-2530**

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS		REVISED BULLETIN
M12™ FUEL™ 5-3/8" (140mm) Circular Saw		
CATALOG NO.	2530-20	STARTING SERIAL NO. G32A

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

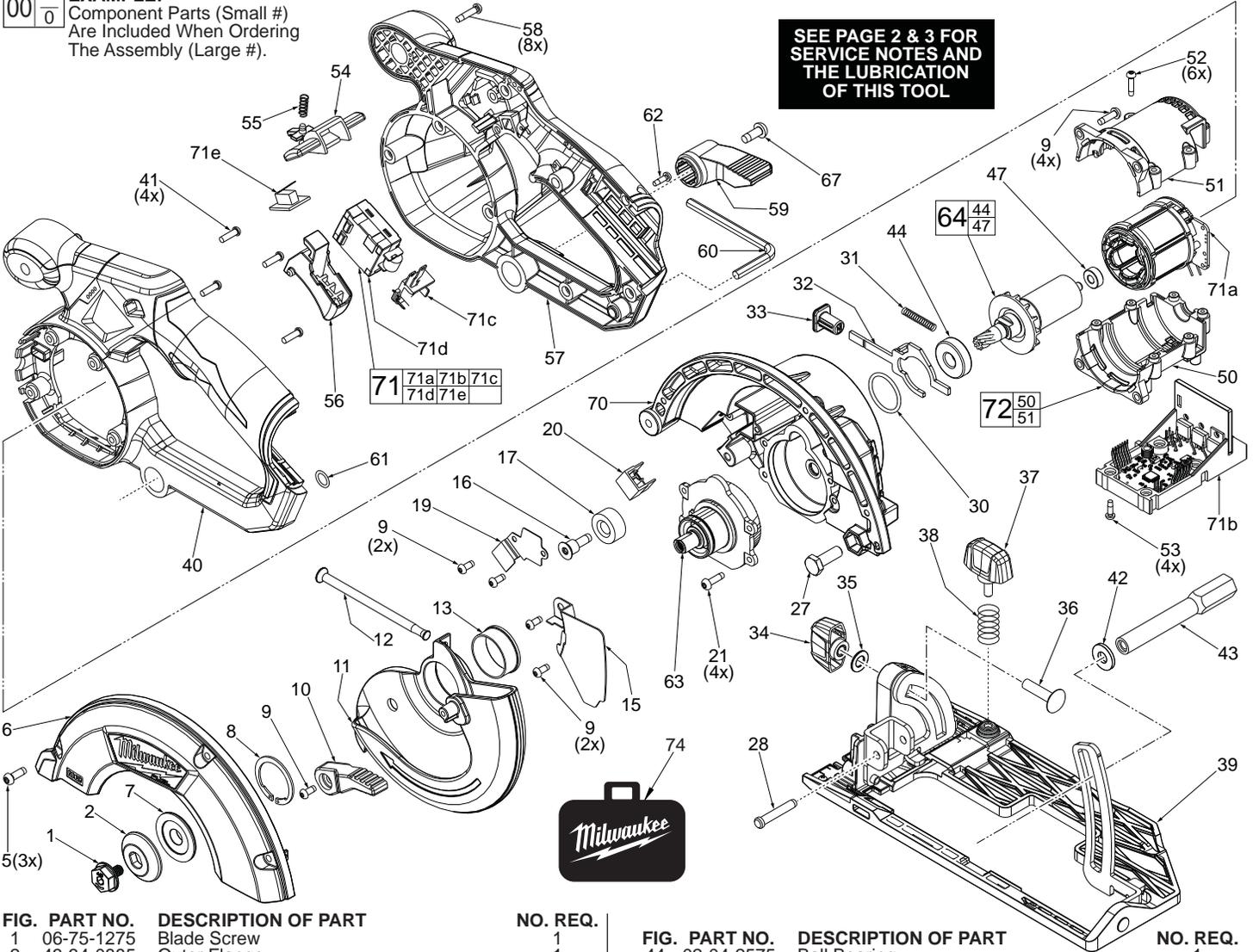
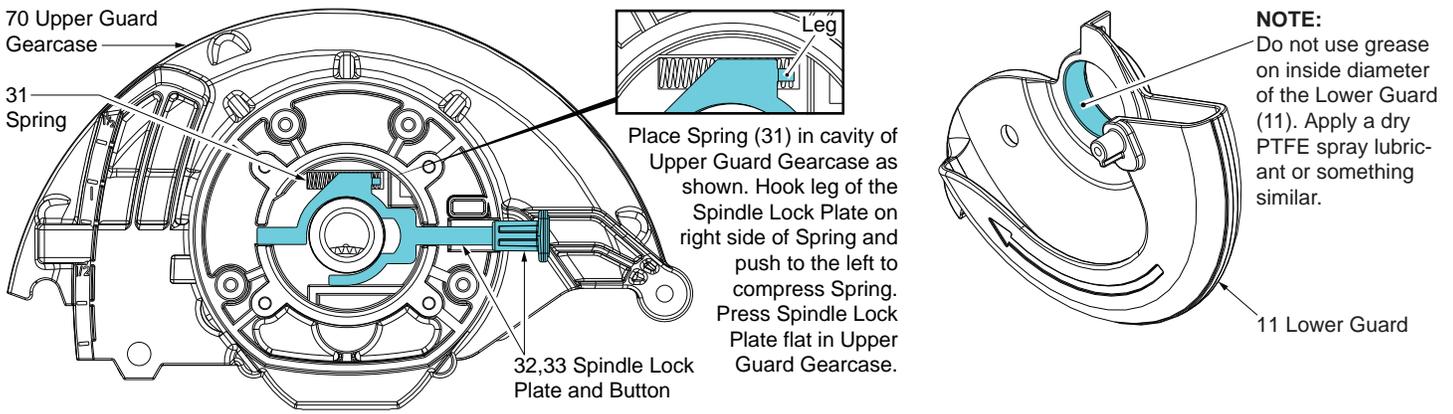


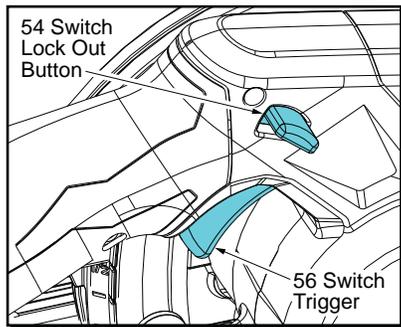
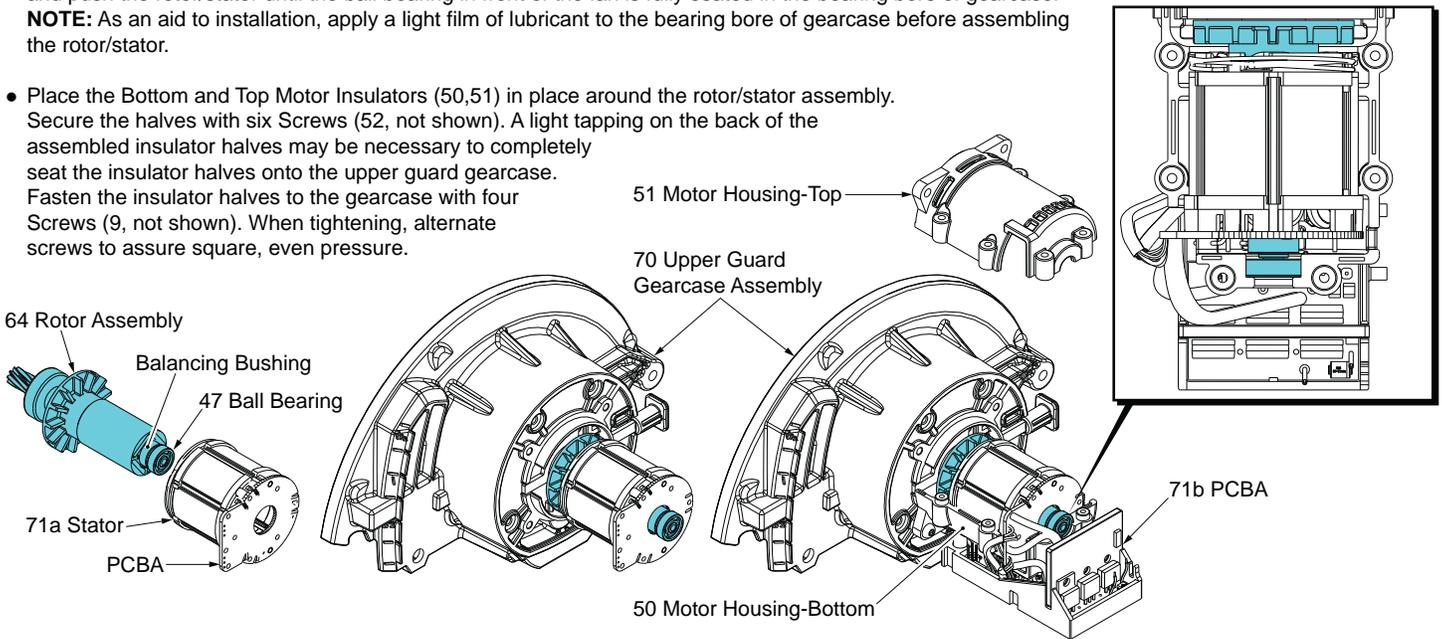
FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
1	06-75-1275	Blade Screw	1
2	43-34-0885	Outer Flange	1
5	05-74-0985	M4.0 x 12mm Pan Hd. Taptite T-20 Screw	3
6	28-20-0950	Upper Guard Cover Assembly	1
7	43-34-0980	Inner Flange	1
8	34-60-0631	Retaining Ring	1
9	06-82-2653	M3.5 x 8mm Pan Hd. Plastite T-15 Screw	9
10	44-10-1075	Lower Guard Lever	1
11	28-41-2030	Lower Guard	1
12	40-50-1710	Spring	1
13	45-14-0370	Lower Guard Sleeve	1
15	44-66-2350	Retaining Plate	1
16	45-04-0485	Bumper Screw	1
17	42-38-0222	Rubber Bumper	1
19	31-15-2375	LED Cover	1
20	22-06-0550	LED Assembly	1
21	05-81-1170	M3 x 12mm ST T-15 Screw	4
27	06-75-2010	1/4-20 x 3/4" Left Hand Hex Hd. Screw	1
28	44-60-2250	Pivot Pin	1
30	34-40-5262	O-Ring	1
31	40-50-1615	Spring	1
32	44-20-1300	Spindle Lock Plate	1
33	42-42-1270	Spindle Lock Button	1
34	43-98-0705	Bevel Adjustment Knob	1
35	45-88-1560	Washer	1
36	06-10-0150	M6 x 25mm Carriage Bolt	1
37	43-98-0605	Rip Fence Knob	1
38	40-50-0650	Spring	1
39	14-74-0560	Shoe Assembly	1
40	31-44-2965	Housing Support Assembly Consists of: Left Housing Halve, Fuel Gauge and Fuel Gauge Label	1
41	05-88-5380	M3.5 x 12mm Pan Hd. Taptite T-15 Screw	4
42	45-88-1515	Washer	1
43	45-08-0155	Depth Shaft	1

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
44	02-04-2575	Ball Bearing	1
47	02-04-1875	Ball Bearing	1
50	-----	Motor Housing - Bottom	1
51	-----	Motor Housing - Top	1
52	06-82-7336	M3.0 x 20mm Pan Hd. Plastite T-10 Screw	6
53	06-82-1087	M3.0 x 12mm Pan Hd. Plastite T-10 Screw	4
54	42-42-1230	Switch Lock Out Button	1
55	40-50-1760	Spring	1
56	31-92-1050	Switch Trigger	1
57	31-44-2960	Housing Cover - Right Housing Halve	1
58	06-82-2025	M3.5 x 16mm Pan Hd. Plastite T-10 Screw	8
59	44-10-0007	Depth Lever	1
60	49-96-0600	3/16" Hex Key	1
61	34-40-4480	O-Ring	1
62	05-81-0195	M3.0 x 12mm Pan Hd. Plastite T-10 Screw	1
63	38-50-1950	Spindle Hub Assembly	1
64	23-40-0700	Rotor Assembly with Pinion and Bearings	1
67	06-82-5314	10-24 x 1/2" Pan Hd. Taptite T-25 Screw	1
70	28-14-2530	Upper Guard Gearcase Assy. w/Needle Bearing	1
71	23-66-2535	Stator / Electronics Assembly	1
71a	-----	Stator	1
71b	-----	PCBA	1
71c	-----	Battery Connector Block	1
71d	-----	Switch	1
71e	-----	Micro Switch	1
72	23-16-1025	Motor Housing Assembly	1
73	12-20-2530	Service Nameplate	1
74	42-55-2520	Contractors Bag	1
75	49-22-2530	Rip Fence (Not Shown)	1
76	10-15-2570	Warning Label (Not Shown)	1



IMPORTANT:

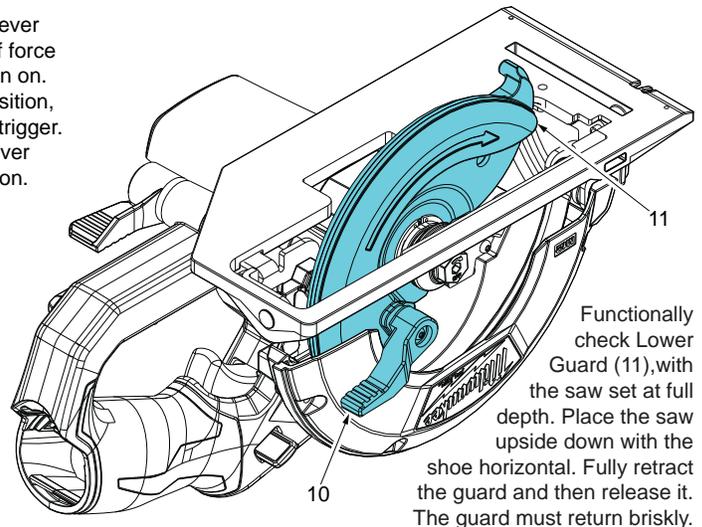
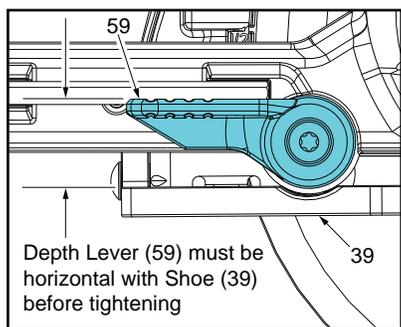
- **Strong magnetic force.** Care must be taken when installing the Rotor (64) into the Stator Assembly (71a). Do not allow rotor bearing or balancing bushing to hit PCBA on back end of stator, this could cause damage to PCBA.
- Insert the rotor/stator assembly into pinion bore of the Upper Guard Gearcase Assembly (70). Carefully wiggle and push the rotor/stator until the ball bearing in front of the fan is fully seated in the bearing bore of gearcase. **NOTE:** As an aid to installation, apply a light film of lubricant to the bearing bore of gearcase before assembling the rotor/stator.
- Place the Bottom and Top Motor Insulators (50,51) in place around the rotor/stator assembly. Secure the halves with six Screws (52, not shown). A light tapping on the back of the assembled insulator halves may be necessary to completely seat the insulator halves onto the upper guard gearcase. Fasten the insulator halves to the gearcase with four Screws (9, not shown). When tightening, alternate screws to assure square, even pressure.



Functionally check Switch Lock-Out (54) by attempting to turn on tool by applying a reasonable amount of force, up to 8 lbs., to switch trigger (56). The tool must not turn on.

Release trigger. Actuate lock-out lever and apply a reasonable amount of force to switch trigger. The tool must turn on. While trigger is still in the "ON" position, release the lock-out. Release the trigger. The tool must stop and lock-out lever must again prevent Switch actuation.

Repeat the switch check two more times.



Functionally check Lower Guard (11), with the saw set at full depth. Place the saw upside down with the shoe horizontal. Fully retract the guard and then release it. The guard must return briskly.

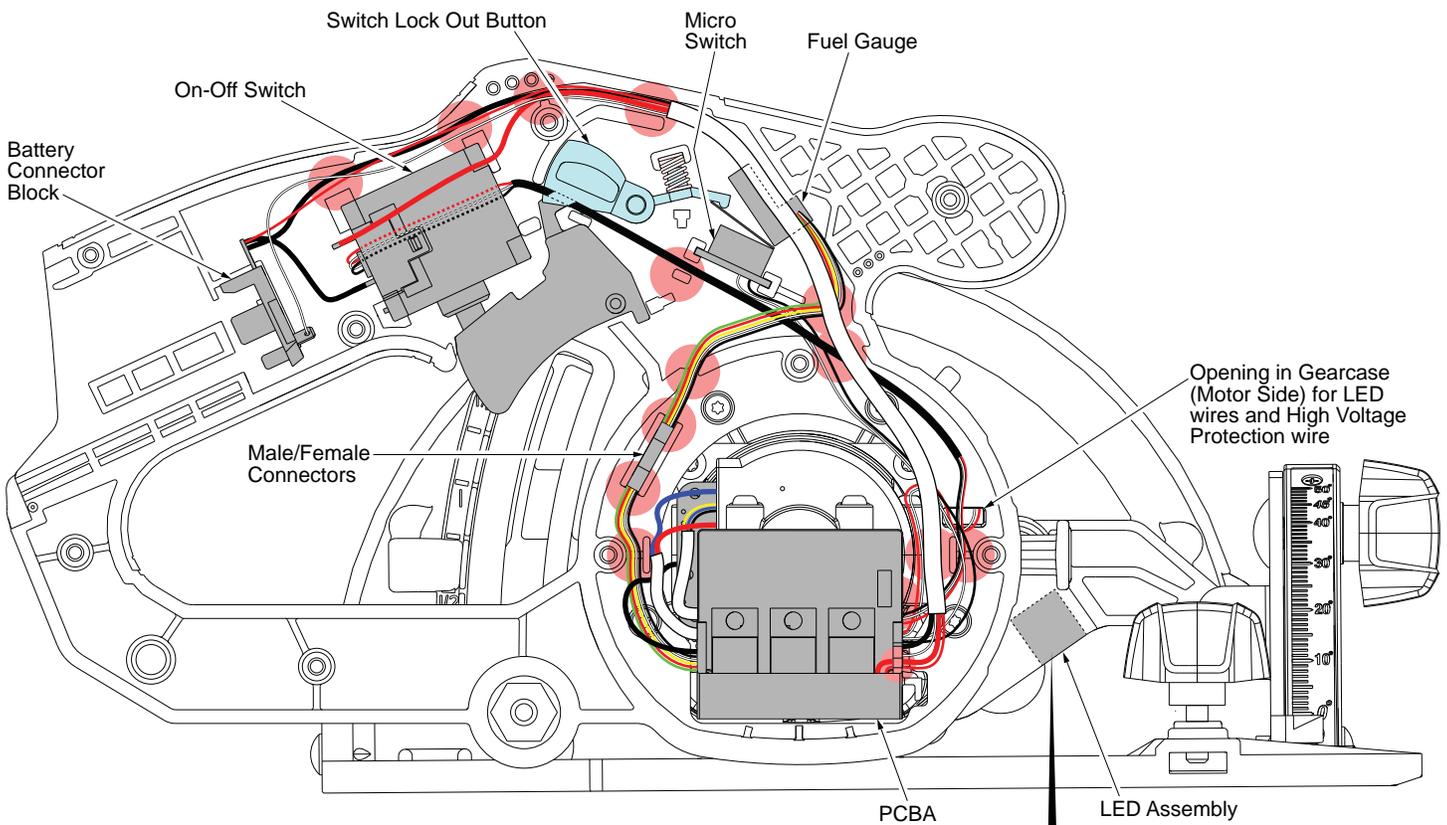


Figure 1: Route female terminal through opening in gearcase. Place red and white wires in trap on motor side and pull taut from blade side.

Figure 2: Connect the female terminal from PCBA to the male terminal of the LED Assembly (20).

Figure 3: Place LED into slotted cavity of gearcase. Place connected terminals and excess wire in cavity above the LED.

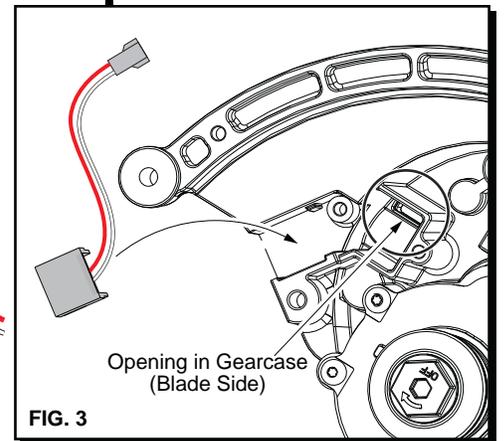
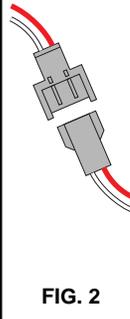
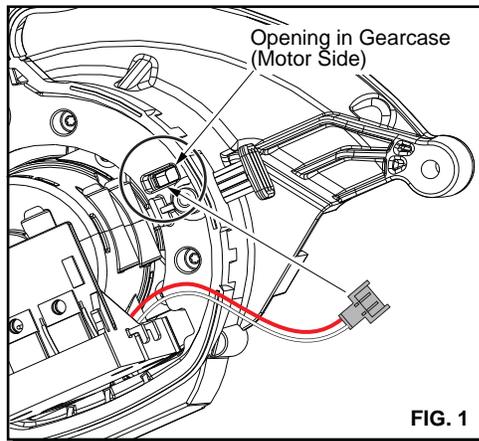
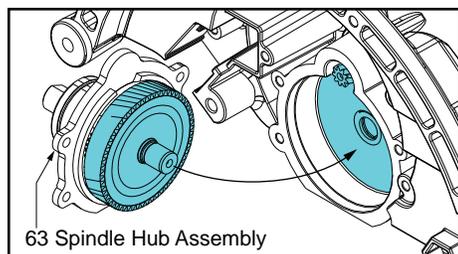
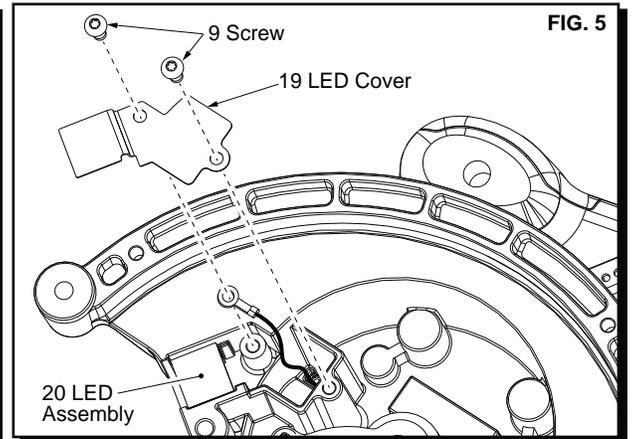
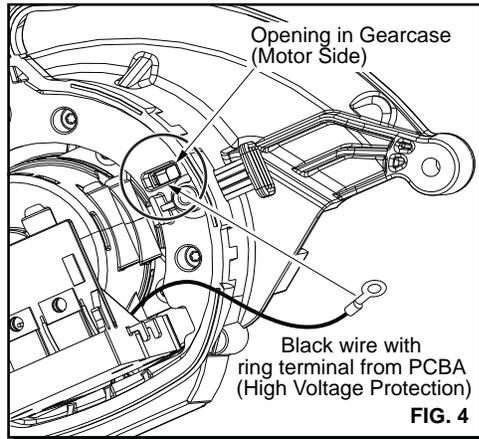


Figure 4: Route the black High Voltage Protection wire with ring terminal through opening in gearcase. Place black wire in trap on motor side and pull taut from blade side.

Figure 5: Place ring terminal over gearcase screw boss as shown. Cover the HV wire and LED Assembly with the LED Cover (19) and secure with Screws (9). Be sure that the one screw goes through the opening of the ring terminal.



LUBRICATION

Type 'Y' Grease, No. 49-08-5270

Apply 3.0 grams (.10 oz) of 'Y' Grease to the gear bore in Upper Guard Gearcase (70). Place a liberal amount of grease on the teeth of the pinion of the Rotor Assembly (64). Place a liberal amount of grease on all of the teeth of the output gear in the Spindle Hub Assembly (63). Coat the face of output gear and the end of output shaft with grease. Total amount of grease used is approximately 6.0 grams (.20 oz).

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