



SERVICE PARTS LIST

BULLETIN NO.
54-40-1640

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS		REVISED BULLETIN	DATE
M18 FUEL™ 6-1/2" Plunge Track Saw			Dec. 2023
CATALOG NO.	2831-20	STARTING SERIAL	M07A
		WIRING INSTRUCTION SEE PAGE 3	

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
9	-----	Handle - Cover	(1)
10	05-78-5316	M4 x 14mm Pan Hd. Taptite T-20 Scr.	(5)
15	05-74-1030	M5 x 12mm Pan Hd. Taptite T-25 Scr.	(3)
17	31-05-0020	Fan Baffle - Top	(1)
18	40-50-0416	Spindle Lock Spring	(1)
19	44-20-0073	Spindle Lock	(1)
20	22-68-0024	Spindle Lock Lever Cover	(1)
28	05-74-0516	M4 x 67mm Pan Hd. T-20 Mach. Screw	(3)
29	23-66-0113	Long Trigger	(1)
30	42-42-0098	Swing Latch Release Button	(1)
31	31-92-0124	Lock Out Extended Trigger	(1)
32	40-50-0418	Spring	(2)
33	43-74-0076	Latch Swing	(1)
34	40-50-0417	Spring	(1)
35	-----	Blade Change Cam	(1)

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

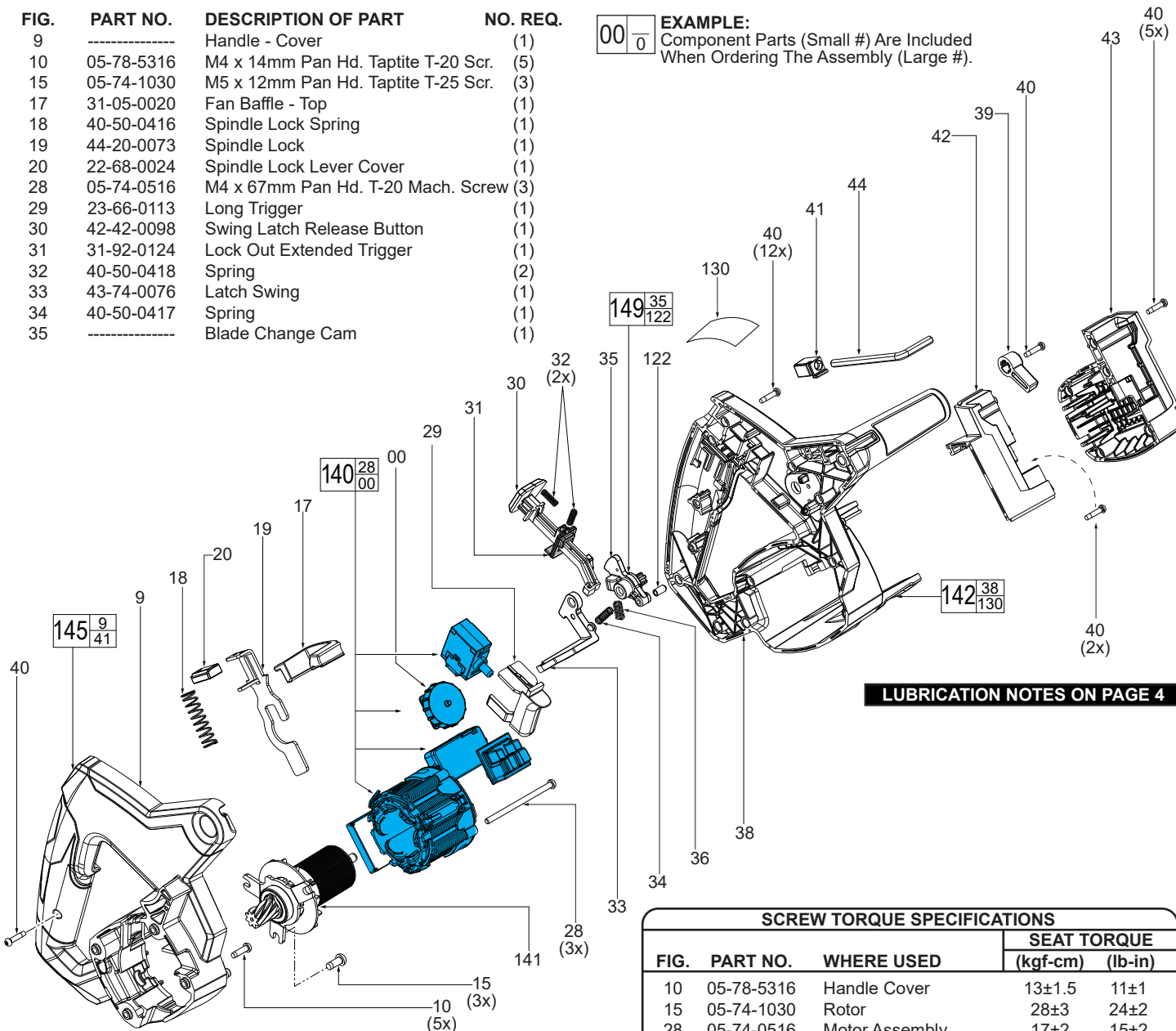


FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
36	40-50-0419	Spring	(1)
38	-----	Motor Housing	(1)
39	43-98-0096	Blade Change Lever	(1)
40	06-82-2025	M3.5 x 16mm Handle Screw	(21)
41	43-72-0082	Hex Key Holder	(1)
42	44-20-0088	Battery Mount Latch	(1)
43	22-68-0022	Motor Cover	(1)
44	45-96-0025	Hex Key	(1)
00	-----	Speed Dial	(1)
122	-----	Plunger Assembly	(1)
130	12-20-0541	Service Nameplate	(1)
140	14-46-0304	Motor and Electronics Service Assy.	(1)
141	14-46-0312	Rotor and Bearings Service Assembly	(1)
142	14-46-0317	Handle and Nameplate Service Kit	(1)
145	14-46-0318	Handle Cover and Holder Service Kit	(1)
149	14-46-0301	Blade Change Cam Service Assembly	(1)

SCREW TORQUE SPECIFICATIONS

FIG.	PART NO.	WHERE USED	SEAT TORQUE	
			(kgf-cm)	(lb-in)
10	05-78-5316	Handle Cover	13±1.5	11±1
15	05-74-1030	Rotor	28±3	24±2
28	05-74-0516	Motor Assembly	17±2	15±2
40	06-82-2025	Motor Housing	12.5±1.5	11±1
48	05-78-0057	Motor Arm Assembly	14±1.5	12±1
51	05-78-0254	Motor Arm Assembly	11±1.5	10±1
60	05-74-0192	Bevel Override	6.5±1	6±1
62	05-74-0193	Upper Guard	15.5±2	13.5±2
71	43-98-0705	Angle Adjustment Knob	19±2	16±1
75a	06-82-1087	Cam Knob/Base Plate	5±1	4±1
75b	06-82-1087	Override Bevel Slide	7±1	6±1
81	05-74-0257	Track Slide/Base Plate	7±1	6±1
87	05-78-0255	Base Plate	12±1.5	10±1
88	06-95-6290	Base Plate	26±2	23±2
89	05-78-0257	Base Plate/Upper Guard	28±4	24±3
90	05-81-0166	Upper Guard	12±1.5	10±1
102	05-74-0177	Output Shaft Assembly	30±4	26±3
104	06-82-0161	Output Shaft Assembly	14±1.5	12±1
116	-----	Splinter Guard Knob	10±2	9±1

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Drwg. 2

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
10	05-78-5316	M4 x 14mm Pan Hd. Tapt. T-20 Scr.	(8)
13	34-40-0360	O-Ring	(2)
45	32-48-0026	Scoring Slider	(1)
46	40-50-0027	Spring Plate	(1)
47	22-68-0023	Spring Slide Score Cover	(1)
48	05-78-0057	M4 x 12mm Pan Hd. Tapt. T-20 Screw	(1)
49	40-50-0414	Riving Knife Spring	(1)
50	45-88-0183	Flat Washer	(1)
51	05-78-0254	M3 x 9.5mm Pan Hd. Tapt. T-10 Screw	(1)
52	28-14-0053	Upper Guard Support	(1)
53	43-82-0013	Depth Scale	(1)
54	31-05-0019	Depth Stop Carrier	(1)
55	40-50-0411	Depth Stop Spring	(1)

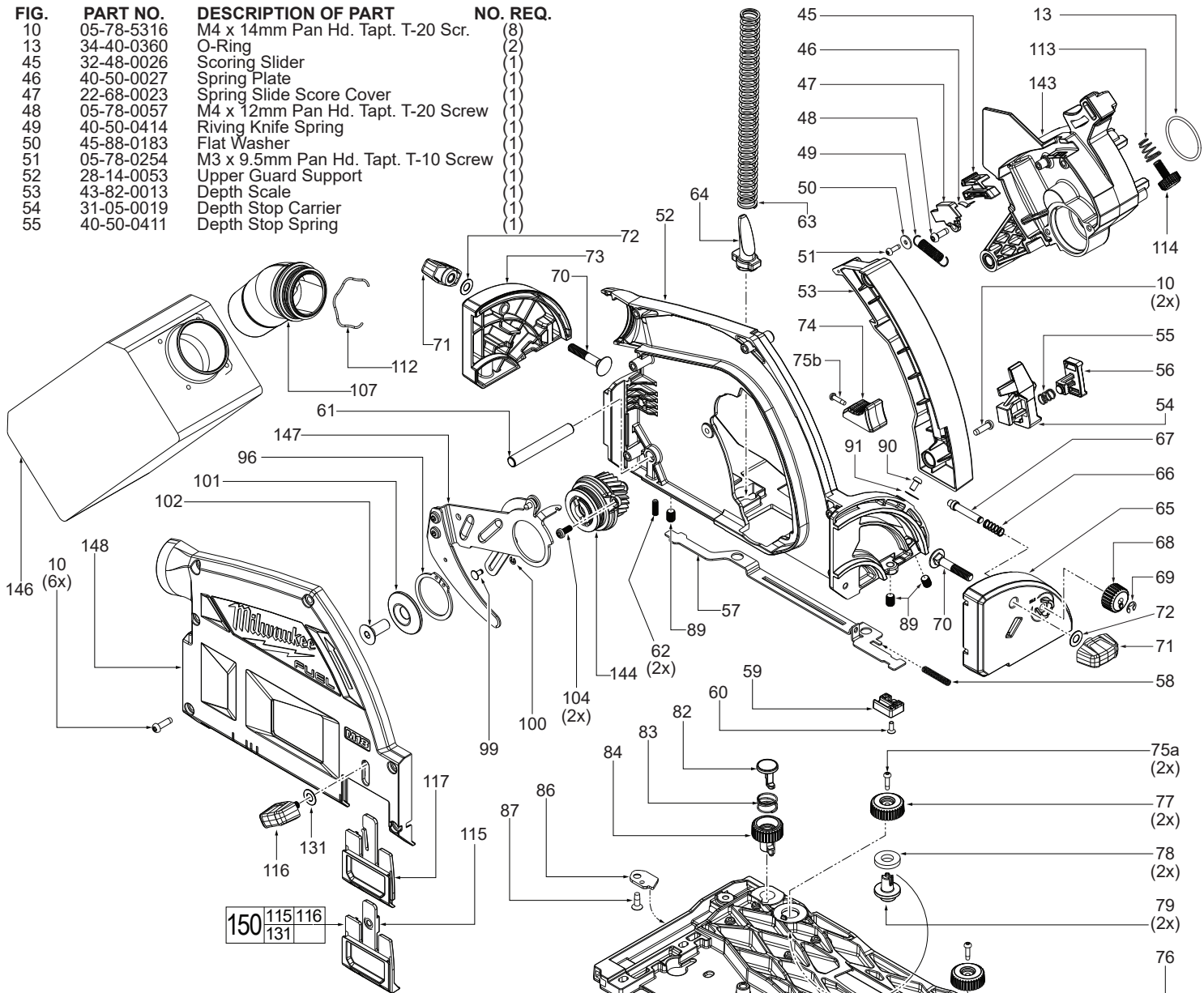


FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
56	42-42-0097	Depth Stop Button	(1)
57	44-14-0031	Bevel Override Linkage	(1)
58	40-50-0409	Bevel Override Spring	(1)
59	44-86-0062	Bevel Override Spring Retainer	(1)
60	05-74-0192	M3 x 8mm Flat Hd. Phillips Screw	(1)
61	42-12-0046	Plunge Axle	(1)
62	05-74-0193	M4 x 10mm Hex Socket Screw	(2)
63	40-50-0413	Plunge Spring	(1)
64	40-50-0188	Plunge Spring Holder	(1)
65	31-42-0016	Front Bevel Hinge	(1)
66	40-50-0407	Stop Spring	(1)
67	06-65-0086	Stop Pin	(1)
68	43-98-0094	Bevel Knob	(1)
69	34-60-0084	E-Ring	(1)
70	06-10-0016	M6 x 36.5mm Carriage Bolt	(2)
71	43-98-0705	Angle Adjustment Knob	(2)
72	45-88-0216	Flat Washer	(2)
73	31-42-0018	Rear Bevel Hinge	(1)
74	43-98-0093	Override Bevel Slide	(1)
75a/b	06-82-1087	M3 x 12mm Pan Hd. ST T-10 Screw	(3)
76	44-66-0181	Base Plate	(1)
77	43-98-0097	Cam Knob	(2)
78	43-84-0084	Felt Ring	(2)
79	31-15-0057	Track Adjuster Cam	(2)
80	45-24-0019	Track Slide	(4)
81	05-74-0257	Shoulder Screw	(8)
82	42-42-0096	Anti-Tip Button	(1)
83	40-50-0408	Anti-Tip Spring	(1)
84	43-98-0092	Anti-Tip Knob	(1)
86	43-98-0308	Anti-Tip Stamping	(1)
87	05-78-0255	M4 x 12mm Flat Hd. Phillips ST Screw	(1)
88	06-95-6290	M5 x 18mm Pan Hd. PT T-20 Screw	(4)
89	05-78-0257	M6 x 8mm Hex Recess Set Screw	(5)
90	05-81-0166	M4 x 7mm Pan Hd. T-20 Mach. Screw	(1)
91	44-72-0048	Bevel Pointer	(1)

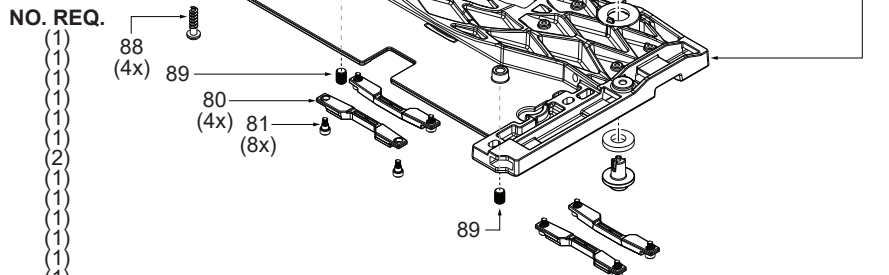
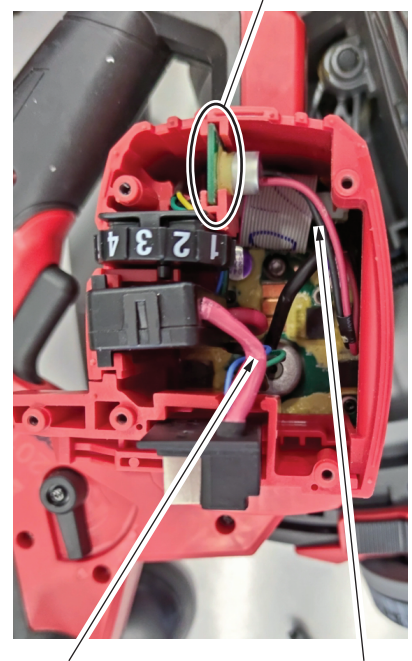
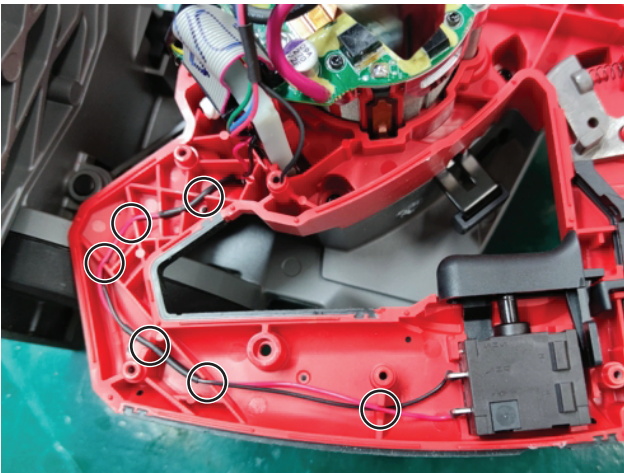


FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
96	44-86-0063	External Retaining Ring	(1)
99	06-65-0087	Connector Pin	(1)
100	34-60-0052	Pin Clamp	(1)
101	43-34-0052	Outer Blade Flange	(1)
102	05-74-0177	M8 x 20mm Flat Hd. Hex Recess Scr.	(1)
104	06-82-0161	M4 x 10mm Pan Hd. T-20 Screw	(2)
107	31-03-0046	Dust Port	(1)
112	40-50-0377	Detent Spring	(1)
113	40-50-0412	Depth Stop Spring	(1)
114	43-98-0098	Depth Stop Knob	(1)
115	-----	Splinter Guard	(1)
116	-----	Splinter Guard Knob	(1)
117	43-50-0021	Splinter Guard Window	(1)
131	-----	Flat Washer	(1)
143	14-46-0307	Motor Arm Service Assembly	(1)
144	14-46-0308	Output Shaft Service Assembly	(1)
146	14-46-0314	Dust Bag Service Assembly	(1)
147	14-46-0309	Riving Knife Holder Service Assembly	(1)
148	14-46-0313	Upper Guard Cover Service Assembly	(1)
150	43-54-0024	Splinter Guard Service Kit	(1)

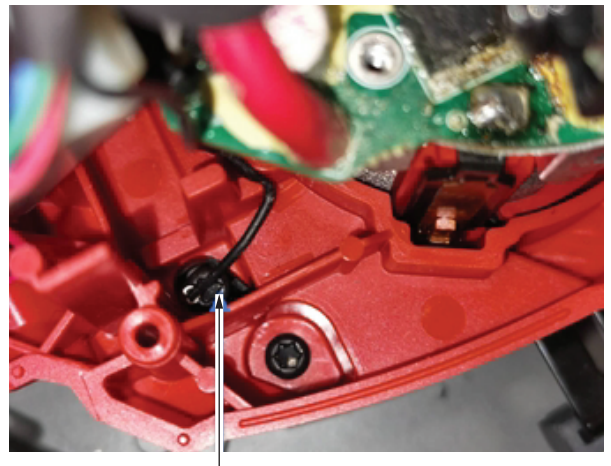
WIRING INSTRUCTIONS

○ = Traps or channels

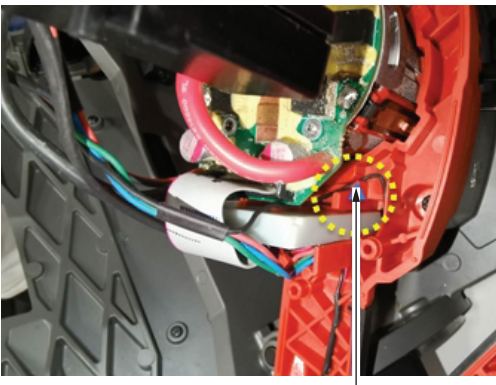
Place PCBA into grooves and keep wires underneath.



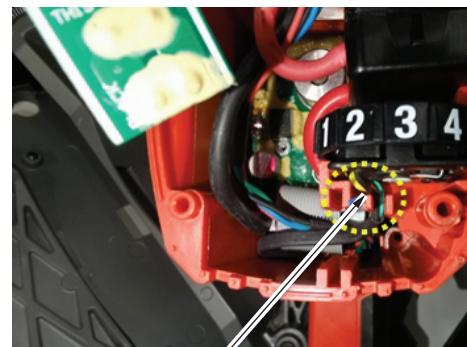
Bend wires without twisting or pinching.



Fasten ground wire to screw.



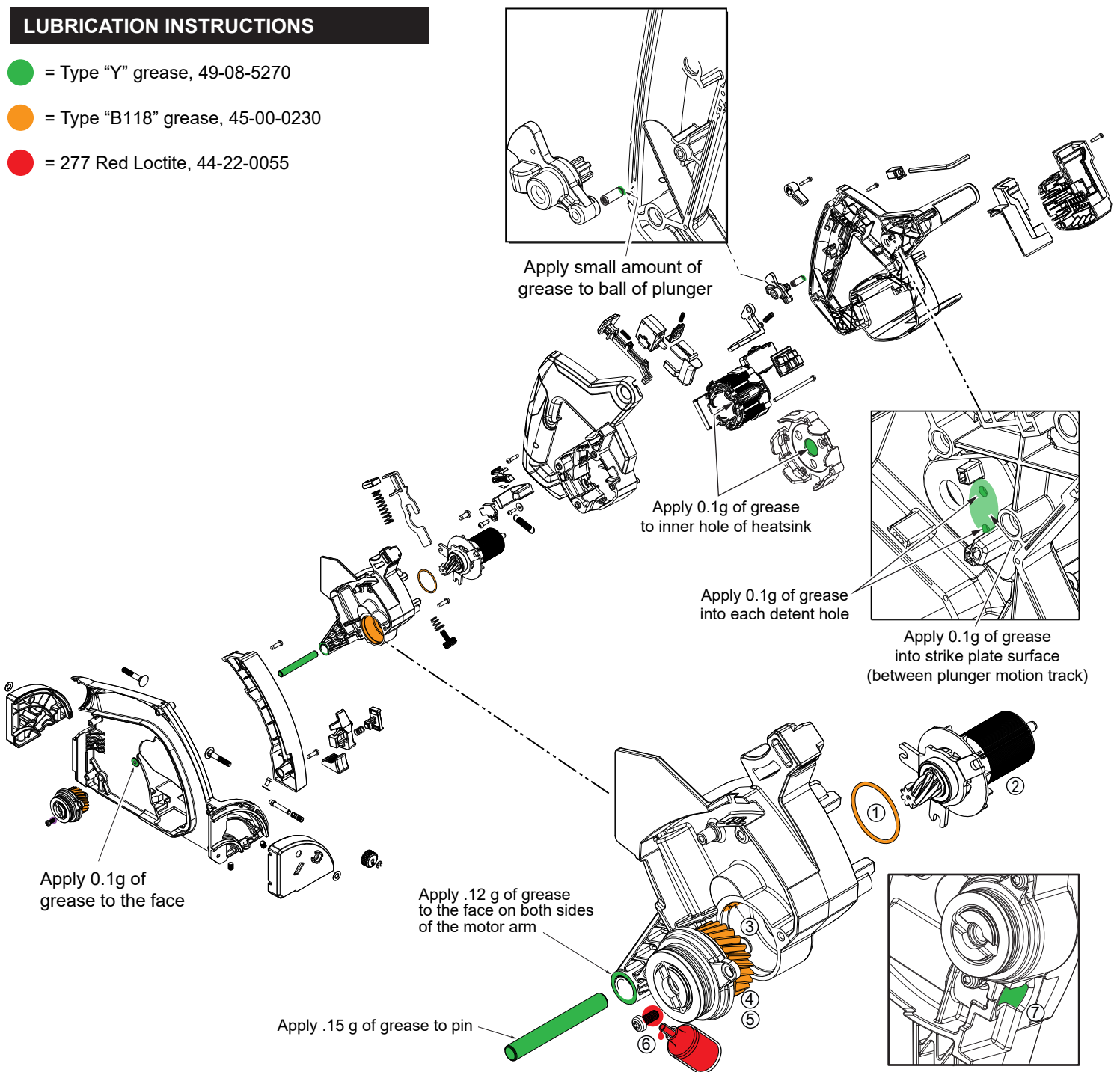
Clip wire into channel



Assemble speed dial switch and clip wire into channel.

LUBRICATION INSTRUCTIONS

- = Type "Y" grease, 49-08-5270
- = Type "B118" grease, 45-00-0230
- = 277 Red Loctite, 44-22-0055



● GEARCASE LUBRICATION NOTES:

When servicing gears or Gear Case, 90-95% of the old grease must be removed prior to new grease being added. Clean gear assemblies with a clean, dry cloth.

- ① Brush a light coating of grease to the O-ring, then assemble it to groove of motor arm's bearing hole.
- ② Install rotor assembly.
- ③ Apply $3.8 \text{ g} \pm 0.2 \text{ g}$ of grease to the gearcase cavity.
- ④ Apply $2 \text{ g} \pm 0.2 \text{ g}$ of grease to gear. Ensure coverage of all gear teeth.
- ⑤ Install output shaft assembly.
- ⑥ Apply small amount of Loctite to threads. **Apply heat to remove screws as damage may occur if not done. Clean threads before applying Loctite.*
- ⑦ Apply 2 g of grease to inner surface of hole (inset).