

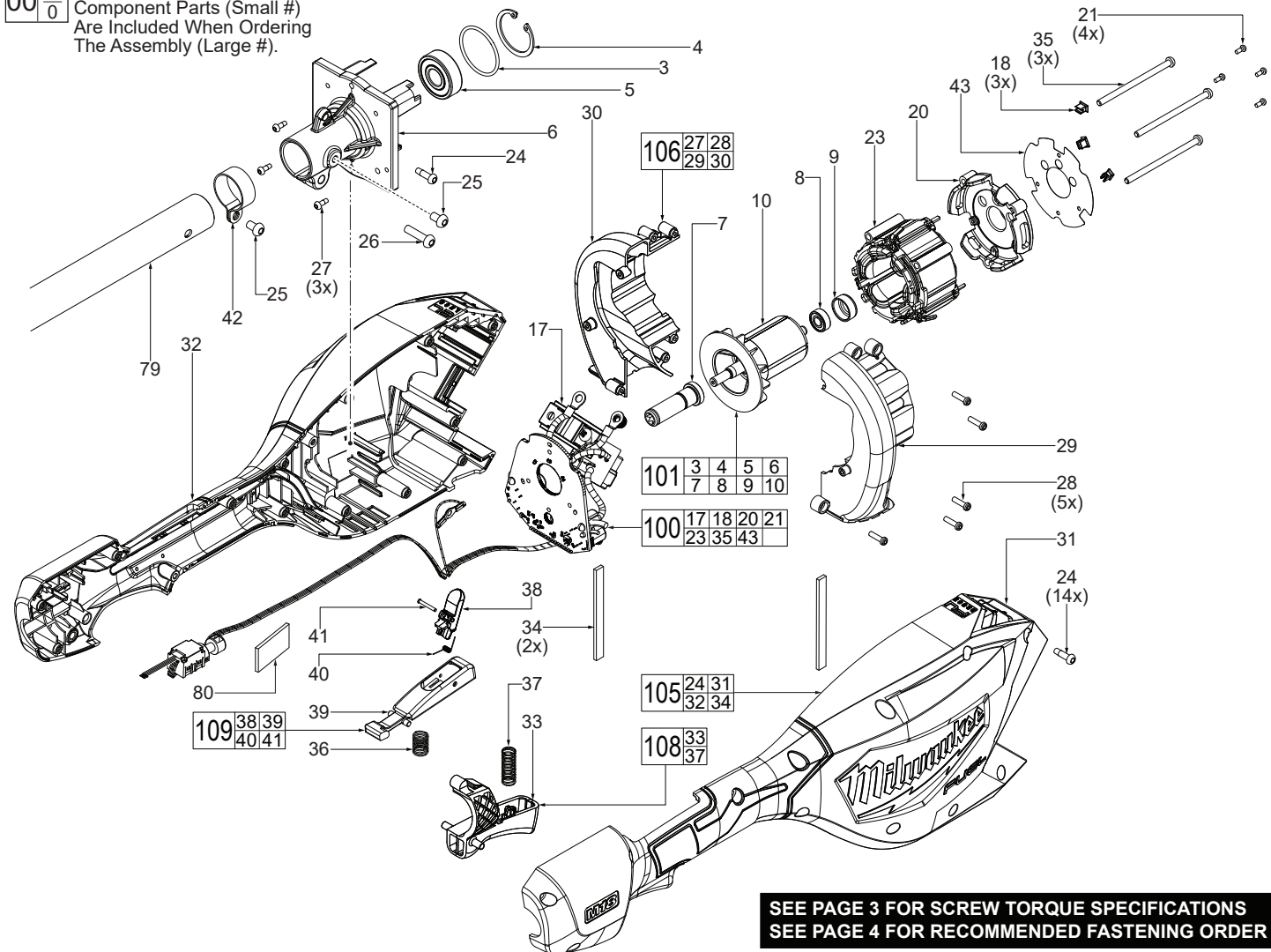


SERVICE PARTS LIST

BULLETIN NO.
54-49-2885

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS		REVISED BULLETIN	DATE
M18™ FUEL™ SHORT POLE HEDGE TRIMMER			Oct. 2024
CATALOG NO. 3043-20	STARTING SERIAL NO. P71A	WIRING INSTRUCTION See Page 5	

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



SEE PAGE 3 FOR SCREW TORQUE SPECIFICATIONS
SEE PAGE 4 FOR RECOMMENDED FASTENING ORDER

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.	FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
3	-----	O-Ring	(1)	36	40-50-0254	Lock Off Spring	(1)
4	-----	Internal Retaining Ring	(1)	37	40-50-0374	Trigger Spring	(1)
5	-----	Deep Groove Ball Bearing	(1)	38	-----	Lock Off Toggle	(1)
6	-----	Motor Mount	(1)	39	23-66-0236	Release Trigger	(1)
7	-----	Drive Shaft Coupling	(1)	40	-----	Toggle Spring	(1)
8	-----	Deep Groove Ball Bearing	(1)	41	44-60-0213	Rivot Pin	(1)
9	22-32-0102	Rubber Cap	(1)	42	-----	Tube Clamp	(1)
10	-----	Rotor	(1)	43	-----	Heat Insulator	(1)
17	-----	PCB Assembly	(1)	79	-----	Tube	(1)
18	-----	Silicone Isolator	(3)	80	-----	Foam Rubber Block	(1)
20	-----	Heatsink Cap	(1)	100	14-20-0789	Stator/PCBA Service Assembly	(1)
21	05-81-0089	M2.5 x 6mm Pan Hd. T-8 Machine Screw	(4)	101	16-01-6138	Rotor Service Assembly	(1)
23	-----	Stator	(1)	105	14-34-8117	Power Head Service Kit	(1)
24	05-88-5375	M4 x 13.5mm Pan Hd. ST T-20 Screw	(14)	106	31-01-7422	Volute Service Kit	(1)
25	05-78-0029	M5 x 8mm Pan Hd. T-25 Machine Screw	(2)	108	14-46-6762	Activation Trigger Service Kit	(1)
26	05-78-0033	M5 x 20mm Pan Hd. T-25 Machine Screw	(1)	109	45-72-0037	Lock Off Trigger Service Kit	(1)
27	05-81-1195	M3 x 8mm Pan Hd. ST T-10 Screw	(3)		12-20-0374	Service Nameplate (Not Shown)	(1)
28	-----	M3 x 12mm Pan Hd. Tapt. T-10 Screw	(5)				
29	-----	Motor Housing Cover	(1)				
30	-----	Motor Housing Support	(1)				
31	-----	Power Head Housing Cover	(1)				
32	-----	Power Head Housing Support	(1)				
33	45-72-8453	Trigger	(1)				
34	44-52-0001	Rubber Damping Bar	(2)				
35	05-74-0516	M4 x 67mm Pan Hd. T-20 Machine Screw	(3)				

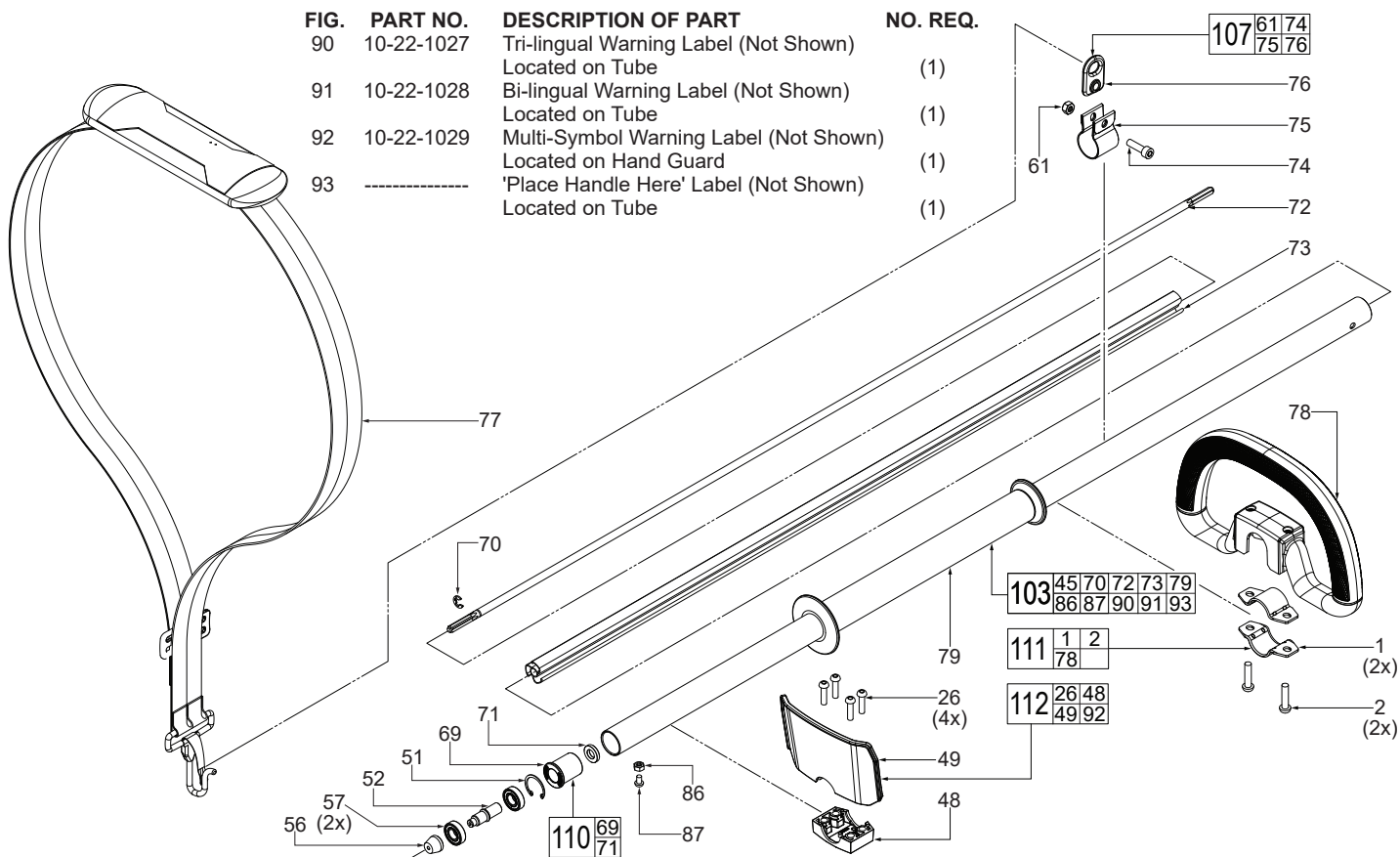
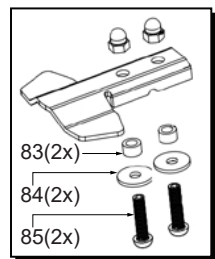
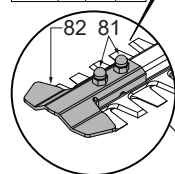


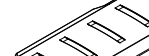
FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
90	10-22-1027	Tri-lingual Warning Label (Not Shown) Located on Tube	(1)
91	10-22-1028	Bi-lingual Warning Label (Not Shown) Located on Tube	(1)
92	10-22-1029	Multi-Symbol Warning Label (Not Shown) Located on Hand Guard	(1)
93	-----	'Place Handle Here' Label (Not Shown) Located on Tube	(1)



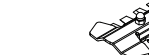
113	81	82	83	84	85
-----	----	----	----	----	----



82	81
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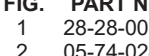
104	46	66	67	68
-----	----	----	----	----



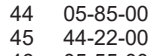
102	25	26	44	46	50	51	52	53	54	56	57	58	59	60	61	62	63	64	65
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26	(4x)
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26	(4x)
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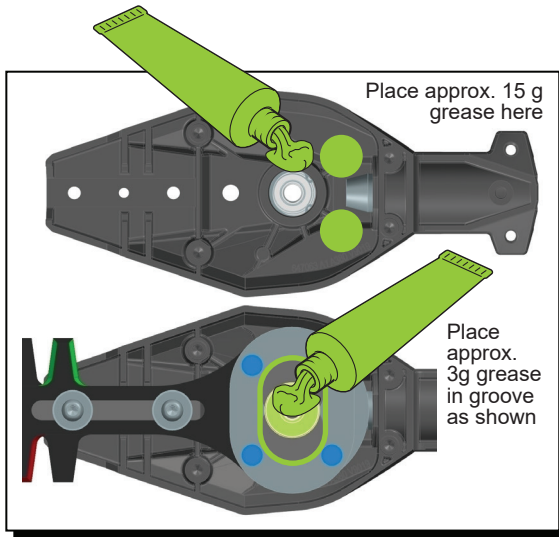
26	(4x)
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FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
1	28-28-0053	Bail Handle Plate	(2)
2	05-74-0242	M6 x 25mm Pan Hd. T-30 Machine Screw	(2)
25	05-78-0029	M5 x 8mm Pan Hd. T-25 Machine Screw	(2)
26	05-78-0033	M5 x 20mm Pan Hd. T-25 Machine Screw	(10)
44	05-85-0080	M8 x 8mm Hex Hd. T-25 Machine Screw	(1)
45	44-22-0050	277 Red Loctite	(1)
46	05-55-0019	Hex Nut	(2)
47	49-62-0018	Blade Sheath	(1)

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
48	-----	Hand Guard Bottom Clamp	(1)
49	-----	Hand Guard	(1)
50	28-20-0108	Gearcase Cover	(1)
51	-----	Bevel Internal Retaining Ring	(1)
52	-----	6T Splined Coupler	(1)
53	45-06-0108	Felt Seal	(1)
54	43-44-0048	Gearcase Gasket	(1)
56	-----	Bevel Pinion	(1)
57	-----	Ball Bearing	(2)
58	-----	Ball Bearing	(1)
59	-----	Bottom Gearcase Housing	(1)
60	-----	Top Gearcase Housing	(1)
61	06-57-0625	Nylon Insert Lock Nut	(2)
62	-----	Ball Bearing	(1)
63	31-86-0045	Bevel C-Ring	(1)
64	32-05-0042	Bevel Gear	(1)
65	36-17-0022	Crank Shaft	(1)
66	05-78-0019	M5 x 25mm Pan Hd. T-25 Machine Screw	(2)
67	42-40-0123	Bushing	(2)
68	-----	Blade Assembly	(1)
69	-----	Retaining Sleeve	(1)
70	-----	E-Ring	(1)
71	45-88-0885	Flat Washer	(1)
72	-----	Drive Shaft	(1)
73	-----	Extruded Sleeve	(1)
74	05-74-0015	M6 x 21.5mm Cap Hd. T-30 Machine Screw	(1)
75	45-56-0011	Shoulder Strap Mounting Band	(1)
76	44-66-0039	Shoulder Strap Mounting Plate	(1)
77	43-74-0116	Shoulder Strap	(1)
78	31-44-0408	Bail Handle	(1)
79	-----	Hedge Trimmer Tube	(1)
81	05-59-8571	M5 Accorn Nut	(2)
82	-----	Blade Tip Guard	(1)
83	42-40-6478	Bushing	(2)
84	45-88-1457	Flat Washer	(2)
85	45-04-9155	M5 x 21mm Pan Hd. T-25 Screw	(2)
86	-----	M4 Hex Nut	(1)
87	-----	M4 x 6mm Pan Hd. T-20 Machine Screw	(1)
102	14-30-6407	Gearcase Service Kit	(1)
103	14-73-5574	Drive Shaft Service Assembly	(1)
104	42-26-5271	Blade Service Kit	(1)
107	43-74-3315	Harness Hook Service Kit	(1)
110	14-75-0661	Retaining Sleeve Service Assembly	(1)
111	14-34-8122	Bail Handle Service Kit	(1)
112	43-54-1741	Hand Guard Service Kit	(1)
113	14-46-6784	Blade Tip Service Kit	(1)

SCREW TORQUE SPECIFICATIONS

FIG.	PART NO.	DESCRIPTION OF FASTENER	WHERE USED	SEAT TORQUE	
				(lb-in)	(kgf-cm)
2	05-74-0242	M6 x 25mm Pan Hd. T-30 Machine Screw	Bail Handle Plate / Bail Handle	21-24	25-28
21	05-81-0089	M2.5 x 6mm Pan Hd. T-8 Machine Screw	Heat Sink Cap / Heat Sink Insulator	3.9-4.7	4.5-5.5
24	05-88-5375	M4 x 13.5mm Pan Hd. ST T-20 Screw	Motor Mount	6.9-8.6	8-10
24	05-88-5375	M4 x 13.5mm Pan Hd. ST T-20 Screw	Power Head Housing Cover	7.7-9.5	9-11
25	05-78-0029	M5 x 8mm Pan Hd. T-25 Machine Screw	Gearcase Cover	23-28	27-33
25	05-78-0029	M5 x 8mm Pan Hd. T-25 Machine Screw	Gearcase Top Housing	23-28	27-33
25	05-78-0029	M5 x 8mm Pan Hd. T-25 Machine Screw	Tube Clamp	20-22	24-26
25	05-78-0029	M5 x 8mm Pan Hd. T-25 Machine Screw	Motor Mount	20-22	24-26
26	05-78-0033	M5 x 20mm Pan Hd. T-25 Machine Screw	Gearcase Top Housing	27-33	32-38
26	05-78-0033	M5 x 20mm Pan Hd. T-25 Machine Screw	Gearcase Bottom Housing	23-28	27-33
26	05-78-0033	M5 x 20mm Pan Hd. T-25 Machine Screw	Bottom Guard Clamp	12.9-17.2	14-18
26	05-78-0033	M5 x 20mm Pan Hd. T-25 Machine Screw	Motor Mount	20-22	24-26
27	05-81-1195	M3 x 8mm Pan Hd. ST T-10 Screw	Motor Mount	2.5-3	2.9-3.5
28	-----	M3 x 12mm Pan Hd. Tapt. T-10 Screw	Motor Housing Cover	3.4-5.2	4-6
35	05-74-0516	M4 x 67mm Pan Hd. T-20 Machine Screw	Stator Assembly	22.4-25.8	26-30
44	05-85-0080	M8 x 8mm Hex Hd. T-25 Machine Screw	Gearcase Cover	23-28	27-33
61	06-57-0625	Nylon Insert Lock Nut	Gearcase Cover	26-30	30-35
66	05-78-0019	M5 x 25mm Pan Hd. T-25 Machine Screw	Bushing / Blade Assembly	47-56	55-65
74	05-74-0015	M6 x 21.5mm Cap Hd. T-30 Machine Screw	Shoulder Strap Mounting Band	21-24	25-28
81	05-59-8571	M5 Accorn Nut	Blade Tip Guard	31-35	44-51
85	45-04-9155	M5 x 21mm Pan Hd. T-25 Screw	Blade Tip Guard	31-35	44-51
87	-----	M4 x 6mm Pan Hd. T-20 Machine Screw	Tube	8.6-12.9	10-15



● LUBRICATION NOTES:

Type 'J' Grease, No. 49-08-4220 1 lb. can

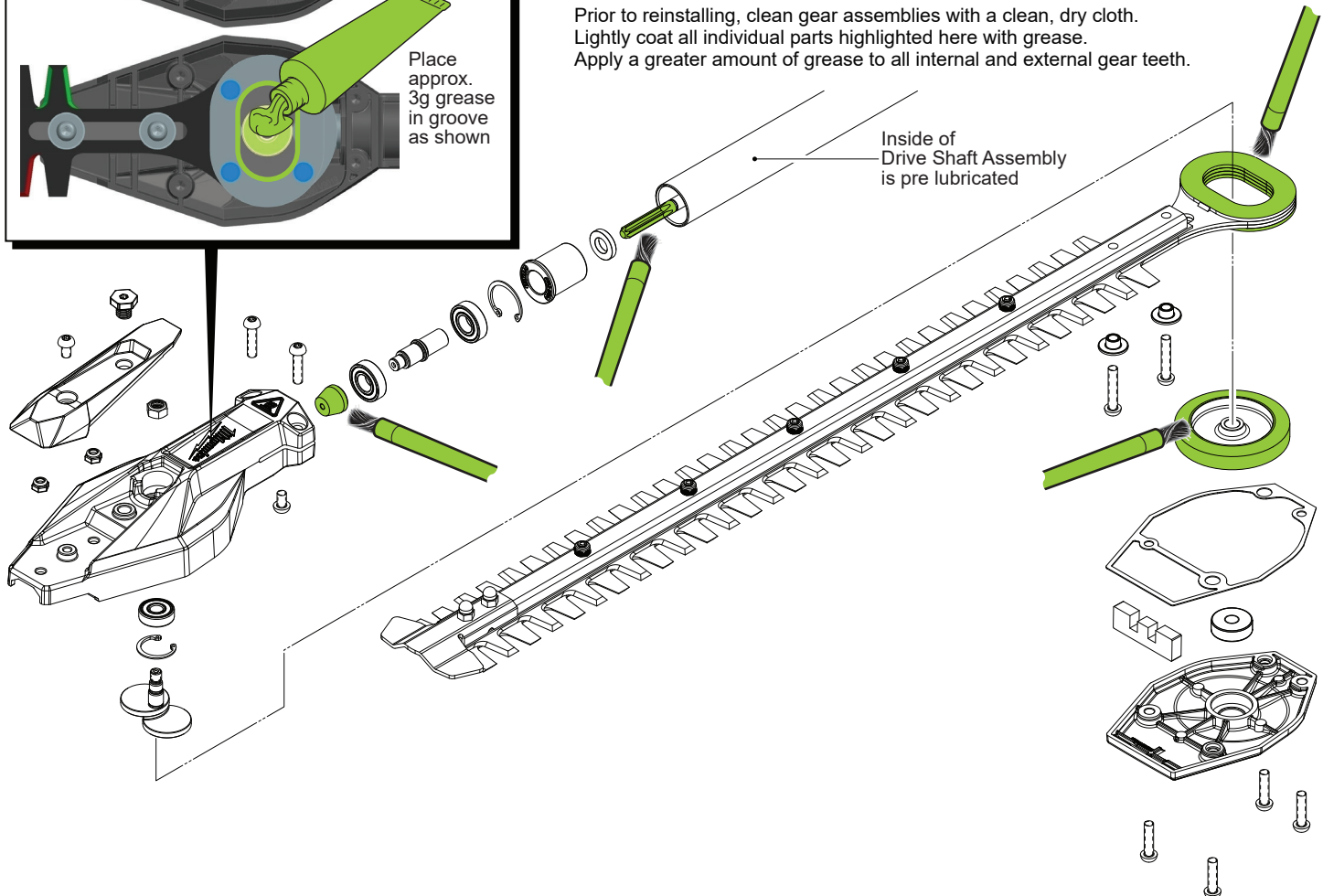
Type 'J' Grease, No. 49-08-2010 7-1/2 1 lb. can

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'.

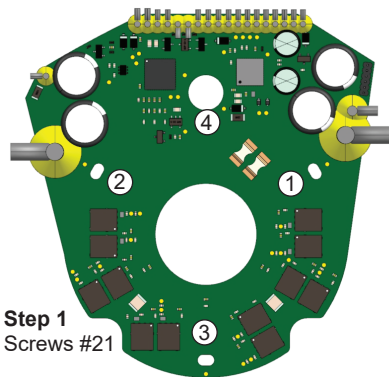
Prior to reinstalling, clean gear assemblies with a clean, dry cloth.

Lightly coat all individual parts highlighted here with grease.

Apply a greater amount of grease to all internal and external gear teeth.



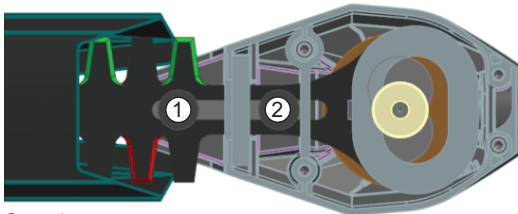
RECOMMENDED TIGHTENING STEPS AND SEQUENCES FOR FASTENERS.
SEE PAGE 3 FOR TORQUE SPECIFICATIONS.



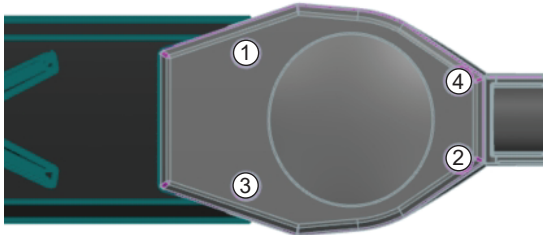
Step 1
Screws #21



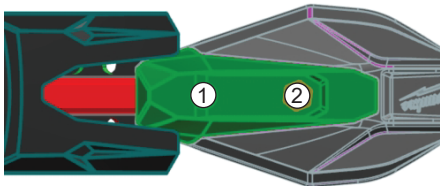
Step 2
Screws #24



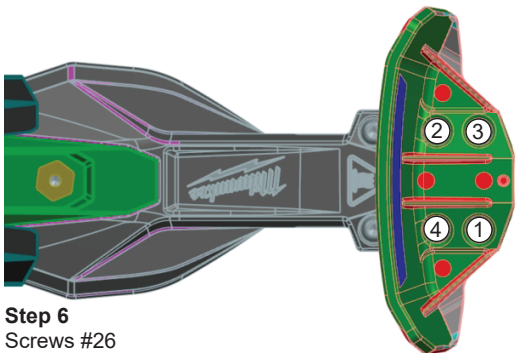
Step 3
Screws #66



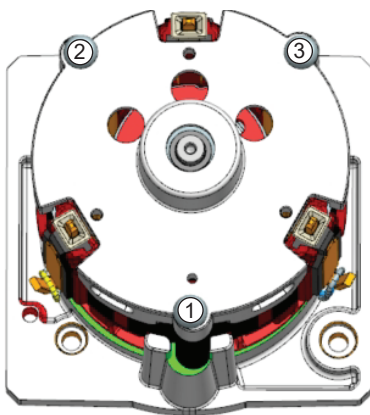
Step 4
Screws #26



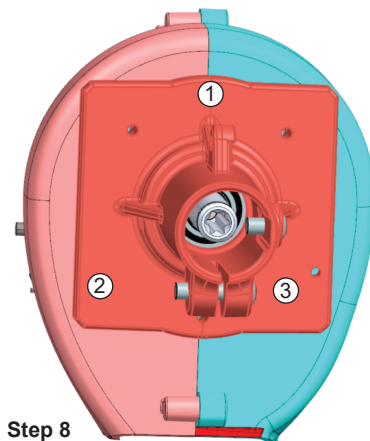
Step 5
Screws #25 and #44



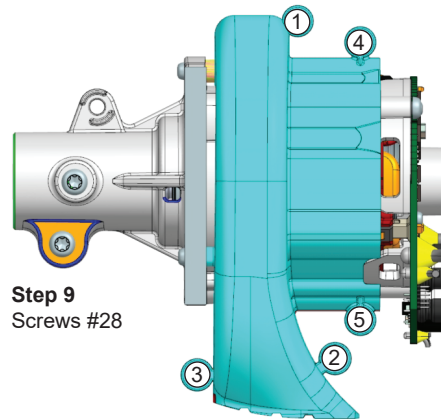
Step 6
Screws #26



Step 7
Screws #35

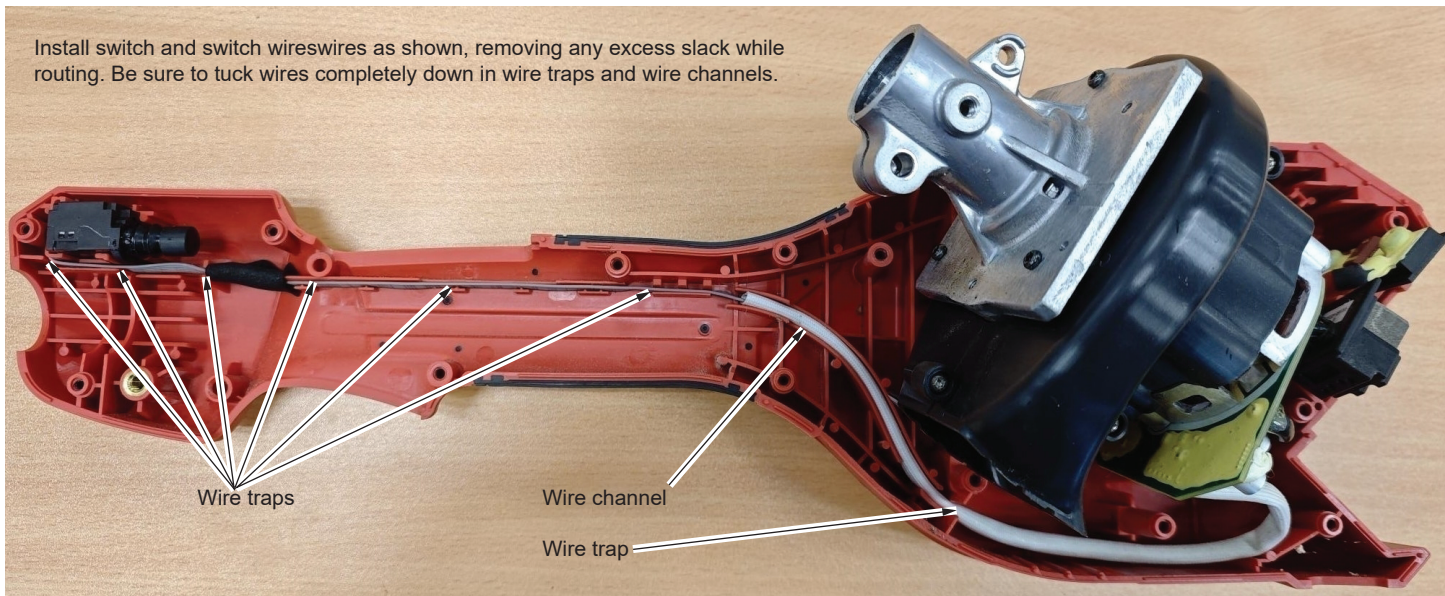


Step 8
Screws #27

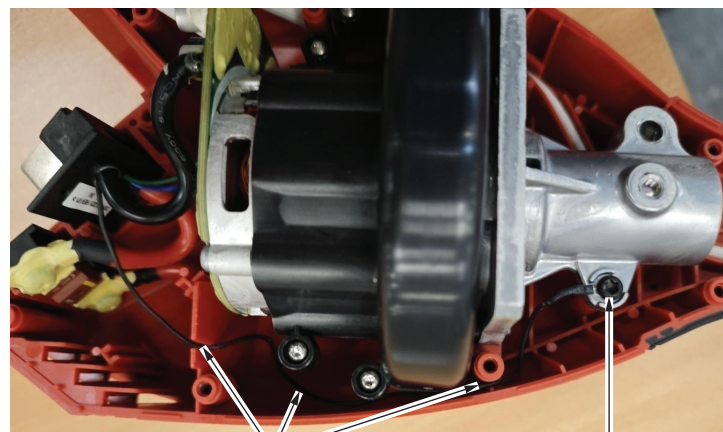
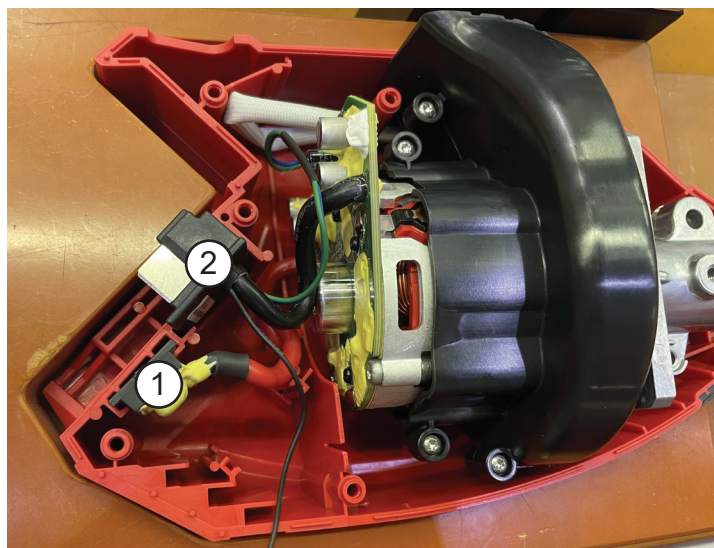
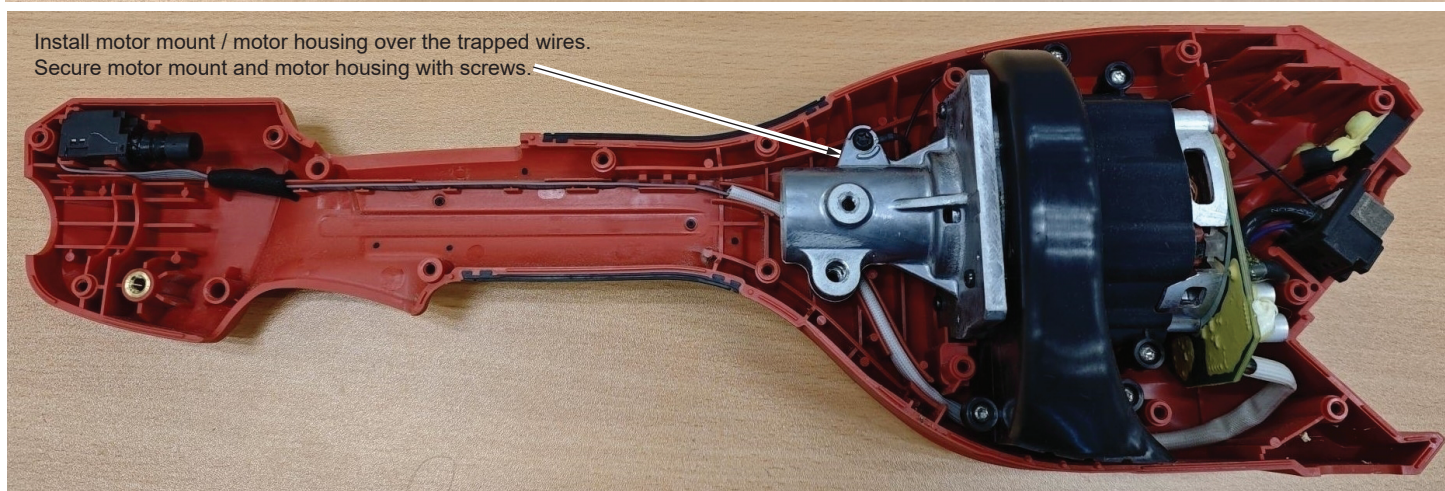


Step 9
Screws #28

Install switch and switch wires as shown, removing any excess slack while routing. Be sure to tuck wires completely down in wire traps and wire channels.



Install motor mount / motor housing over the trapped wires. Secure motor mount and motor housing with screws.



Route ground wire as shown, placing wire completely down in wire traps.

Ground wire terminal

1. Place Fuse in slot first
2. Install Battery Terminal Block second

As an aid to reassembly, take notice of wire routings and position in wire guides, wire channels and wire traps while dismantling tool.

Be sure that all components of the electronics assembly are seated firmly and squarely in housing recesses.

Avoid pinched wires, be sure that all wires and wire sleeves are pressed completely down in wire channels and wire traps.

Prior to securing power head housing halves together be sure that there are no interferences.

Before installing the battery, check for proper functionality of shuttles, buttons and triggers.