



SERVICE PARTS LIST

BULLETIN NO.
54-49-2990

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS

M18 FUEL™ FIXED SHAFT EDGER

REVISED BULLETIN

DATE
Feb. 2025

WIRING INSTRUCTION

See Page 4

CATALOG NO. 3011-20

SERIAL NO.

P65A

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

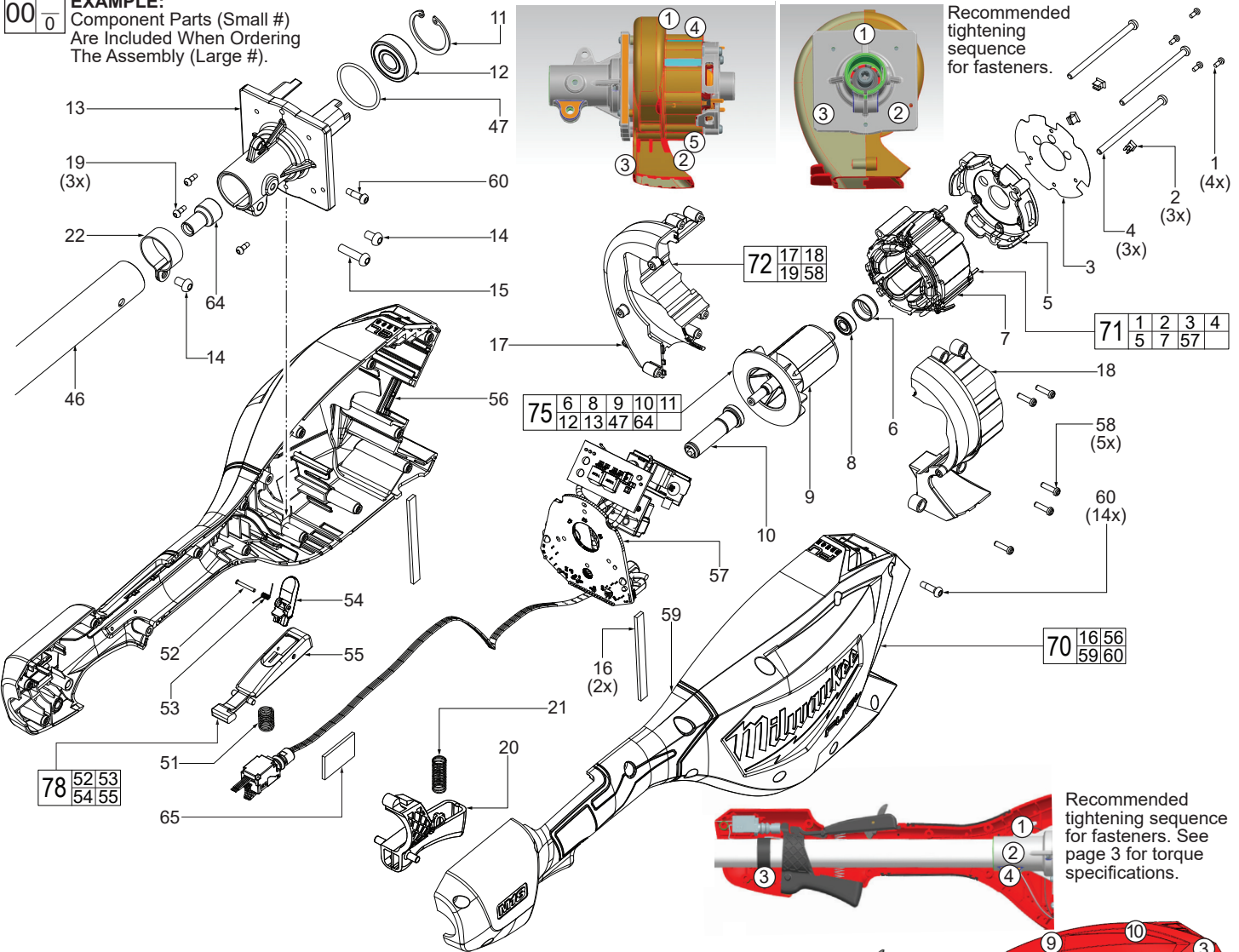


FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
1	05-81-0089	M2.5 x 6mm Pan Hd. T-8 Machine Screw	(4)
2	-----	Silicone Insulator	(3)
3	-----	Heat Insulator	(1)
4	05-74-0516	M4 x 67mm Pan Hd. T-20 Machine Screw	(3)
5	-----	Heat Sink Rubber Cap	(1)
6	-----	Bearing Rubber Cap	(1)
7	-----	Stator Assembly	(1)
8	-----	Deep Groove Ball Bearing	(1)
9	-----	Rotor Assembly	(1)
10	-----	Motor Coupler	(1)
11	-----	Internal Retaining Ring	(1)
12	-----	Deep Groove Ball Bearing	(1)
13	-----	Motor Mount	(1)
14	05-78-0029	M5 x 8mm Pan Hd. T-25 Machine Screw	(2)
15	05-78-0033	M5 x 20mm Pan Hd. T-25 Machine Screw	(1)
16	44-52-0001	Rubber Damping Bar	(2)
17	-----	Motor Housing Support	(1)
18	-----	Motor Housing Cover	(1)
19	-----	M3 x 8mm Pan Hd. Self Tapping T-10 Screw	(3)
20	45-72-8453	Trigger	(1)
21	40-50-0374	Trigger Spring	(1)
22	28-10-0021	Tube Clamp	(1)
46	-----	Tube and Sleeve Sub-Assembly	(1)
47	-----	O-Ring	(1)
51	40-50-0254	Lock-Off Spring	(1)
52	-----	Rivet Pin	(1)

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
53	-----	Toggle Spring	(1)
54	-----	Lock-Off Toggle	(1)
55	-----	Release Trigger	(1)
56	-----	Airflow Housing Support	(1)
57	-----	PCBA / Switch Assembly	(1)
58	-----	M3 x 12mm Pan Hd. Taptite T-10 Screw	(5)
59	-----	Airflow Housing Cover	(1)
60	05-88-5375	M4 x 13.5mm Pan Hd. ST T-20 Screw	(15)
64	-----	Rubber Seal	(1)
65	-----	Rubber Foam Block	(1)
70	14-38-0131	Airflow Housing Service Kit	(1)
71	14-20-0413	Stator / PCBA Service Assembly	(1)
72	14-50-0772	Motor Housing Service Kit	(1)
75	14-50-0122	Rotor Service Assembly	(1)
78	45-72-0037	Lock-Off Trigger Service Assembly	(1)
12-20-4110	-----	Service Nameplate (Not Shown)	(1)

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Drwg. 1

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
14	05-78-0029	M5 x 8mm Pan Hd. T-25 Machine Screw	(2)
22	-----	Tube Clamp	(1)
23	-----	E-Ring	(1)
24	-----	Spline Drive Shaft	(1)
25	-----	Flat Washer	(1)
26	-----	Sleeve Spacer	(1)
27	-----	Washer Holder	(1)
28	-----	Gearbox Assembly	(1)
29	05-81-1030	M4 x 10mm Pan Hd. T-20 Machine Screw	(1)
30	06-82-2873	M5 x 17mm Pan Hd. T-25 Machine Screw	(2)
31	06-14-1024	M6 x 65mm Machine Carriage Bolt	(1)
32	28-10-2411	Fixed Shaft Edger Bracket	(1)
33	31-43-1011	Fixed Shaft Edger Flexible Guard	(1)
34	42-40-0013	Sleeve Bushing	(1)
35	45-94-0017	Edger Wheel	(1)
36	45-88-0077	Flat Washer	(1)

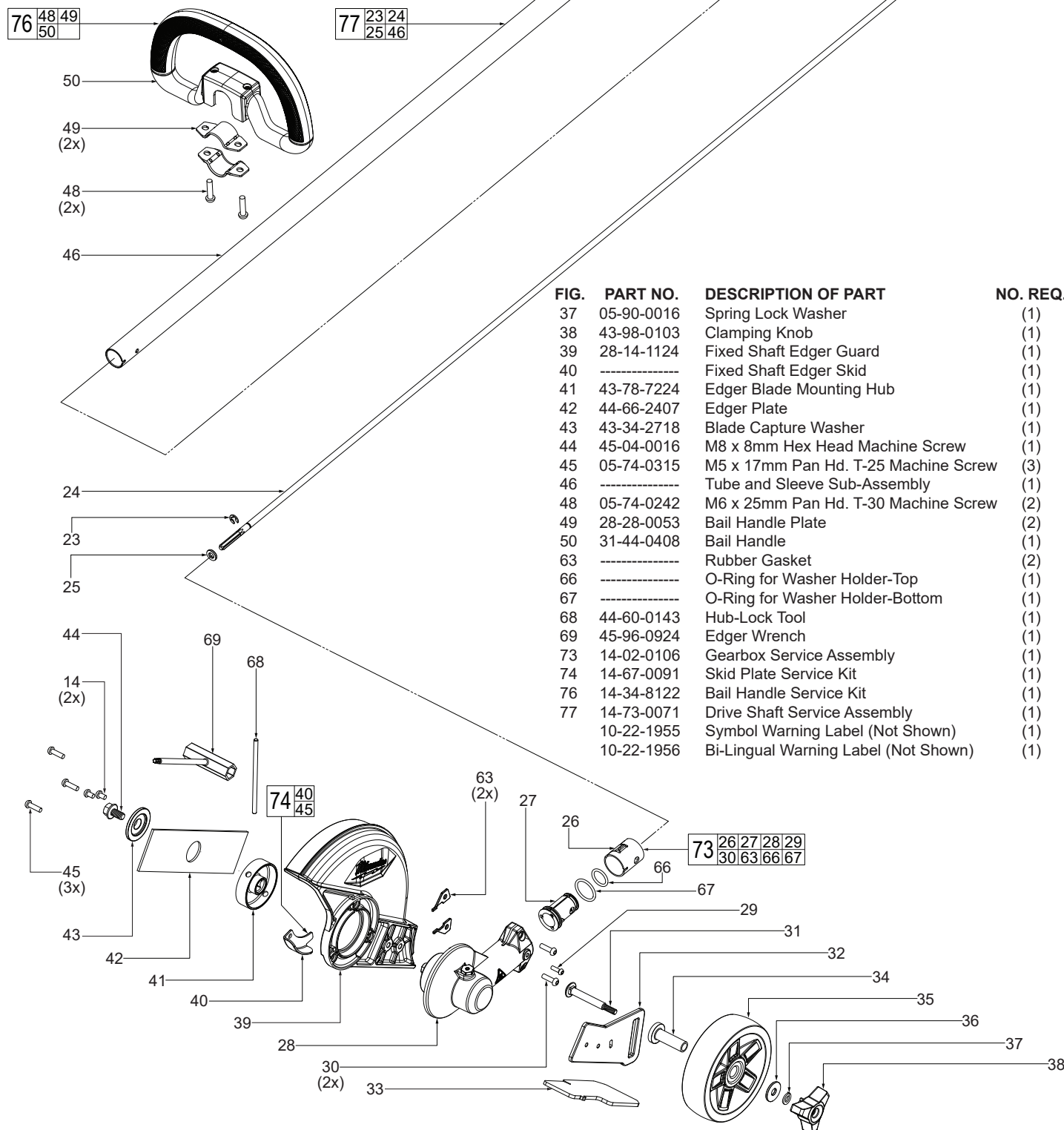


FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
37	05-90-0016	Spring Lock Washer	(1)
38	43-98-0103	Clamping Knob	(1)
39	28-14-1124	Fixed Shaft Edger Guard	(1)
40	-----	Fixed Shaft Edger Skid	(1)
41	43-78-7224	Edger Blade Mounting Hub	(1)
42	44-66-2407	Edger Plate	(1)
43	43-34-2718	Blade Capture Washer	(1)
44	45-04-0016	M8 x 8mm Hex Head Machine Screw	(1)
45	05-74-0315	M5 x 17mm Pan Hd. T-25 Machine Screw	(3)
46	-----	Tube and Sleeve Sub-Assembly	(1)
48	05-74-0242	M6 x 25mm Pan Hd. T-30 Machine Screw	(2)
49	28-28-0053	Bail Handle Plate	(2)
50	31-44-0408	Bail Handle	(1)
63	-----	Rubber Gasket	(2)
66	-----	O-Ring for Washer Holder-Top	(1)
67	-----	O-Ring for Washer Holder-Bottom	(1)
68	44-60-0143	Hub-Lock Tool	(1)
69	45-96-0924	Edger Wrench	(1)
73	14-02-0106	Gearbox Service Assembly	(1)
74	14-67-0091	Skid Plate Service Kit	(1)
76	14-34-8122	Bail Handle Service Kit	(1)
77	14-73-0071	Drive Shaft Service Assembly	(1)
	10-22-1955	Symbol Warning Label (Not Shown)	(1)
	10-22-1956	Bi-Lingual Warning Label (Not Shown)	(1)

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.

Inject 0.4g grease into splined opening of motor coupler after assembly onto rotor assembly.

Apply 0.6g grease into splined area in gearcase.

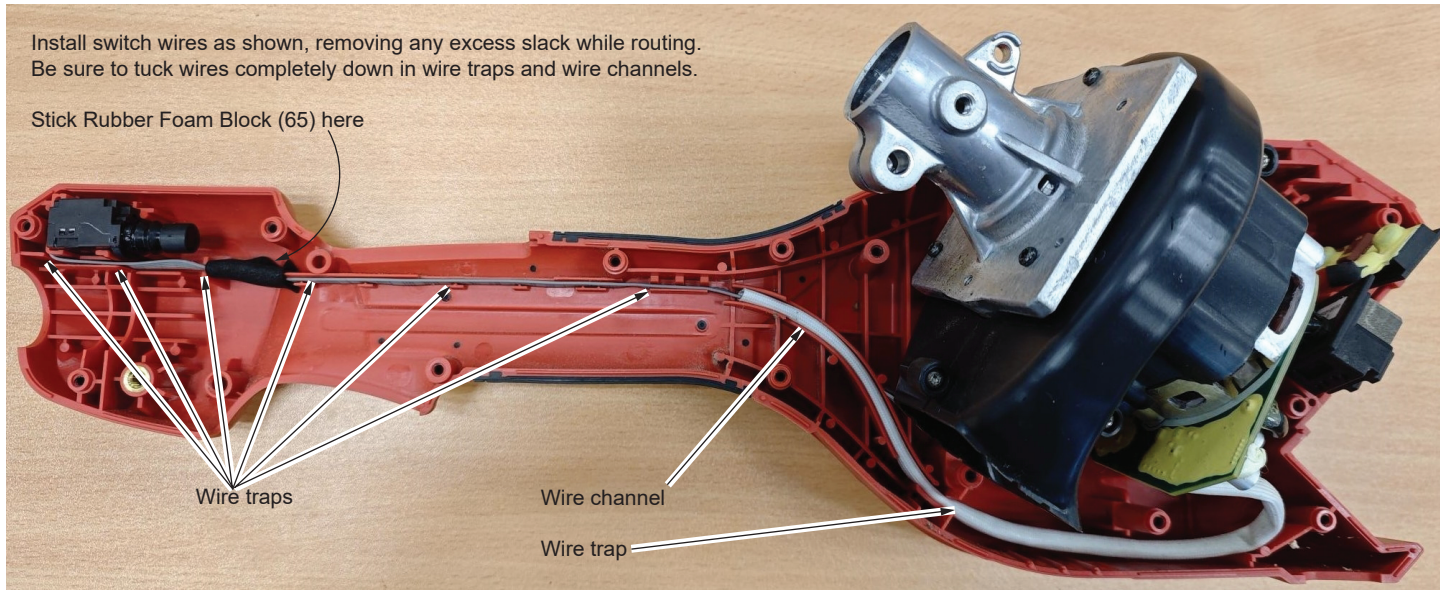
Inject 5 grams of grease into this side of tube.

SCREW TORQUE SPECIFICATIONS

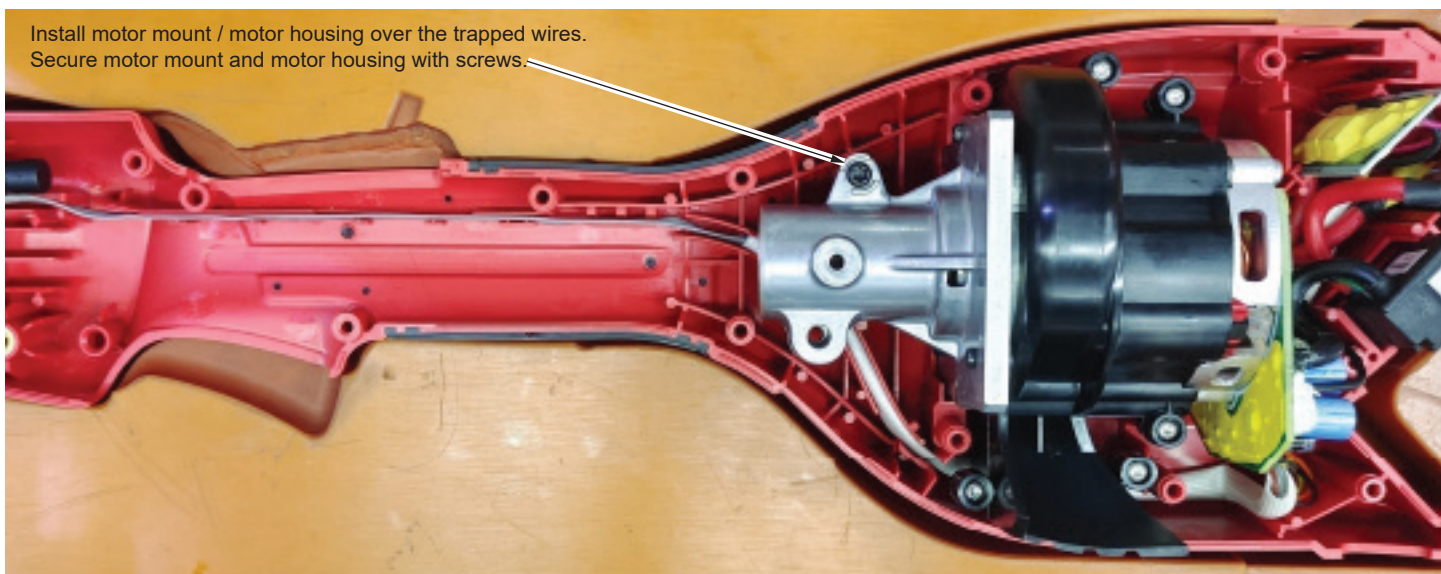
FIG.	PART NO.	DESCRIPTION OF FASTENER	WHERE USED	SEAT TORQUE	
				(lb-in)	(kgf-cm)
1	05-81-2289	M2.5 x 6mm Pan Hd. T-8 Machine Screw	Secures PCBA to the Heatsink	3.4-5.2	4.0-6.0
4	05-74-0516	M4 x 67mm Pan Hd. T-20 Machine Screw	Heatsink, Stator and Motor Mount	22-26	26-30
14	05-78-0029	M5 x 8mm Pan Hd. T-25 Machine Screw	Secures the Tube position	20-22	24-26
14	05-78-0029	M5 x 8mm Pan Hd. T-25 Machine Screw	Secures the Tube Clamp	20-22	24-26
14	05-78-0029	M5 x 8mm Pan Hd. T-25 Machine Screw	Secures the Bracket to Guard	43-47	50-55
15	05-78-0033	M5 x 20mm Pan Hd. T-25 Machine Screw	Secures to the Motor Mount	20-22	24-26
19	-----	M3 x 8mm Pan Hd. Self Tapping T-10 Screw	Secures Motor Mount to PCBA	2.6-3.5	3.0-4.0
29	05-81-1030	M4 x 10mm Pan Hd. T-20 Machine Screw	Secures Gearbox to Tube	17-20	20-24
30	06-82-2873	M5 x 17mm Pan Hd. T-25 Machine Screw	Secures Gearbox onto Tube	20-23	24-27
38	43-98-0103	Clamping Knob	Secures Edger Wheel	7.8-10	9.0-11
44	45-04-0016	M8 x 8mm Hex Head Machine Screw	Secures Blade Assembly to Gearbox	60-78	70-90
45	05-74-0315	M5 x 17mm Pan Hd. T-25 Machine Screw	Secures Guard To Gearbox	43-47	50-55
48	05-74-0242	M6 x 25mm Pan Hd. T-30 Machine Screw	Secures Bail Handle Assembly to Tube	21-24	25-28
58	-----	M3 x 12mm Pan Hd. TapItite T-10 Screw	Secures Motor Hsg. Cover & Support	3.4-5.2	4.0-6.0
60	05-88-5375	M4 x 13.5mm Pan Hd. ST T-20 Screw	Secure Ground Wire to Motor Mount	6.9-8.6	8.0-10
60	05-88-5375	M4 x 13.5mm Pan Hd. ST T-20 Screw	Secure Airflow Housing Halves	7.8-10	9.0-11

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

Stick Rubber Foam Block (65) here



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



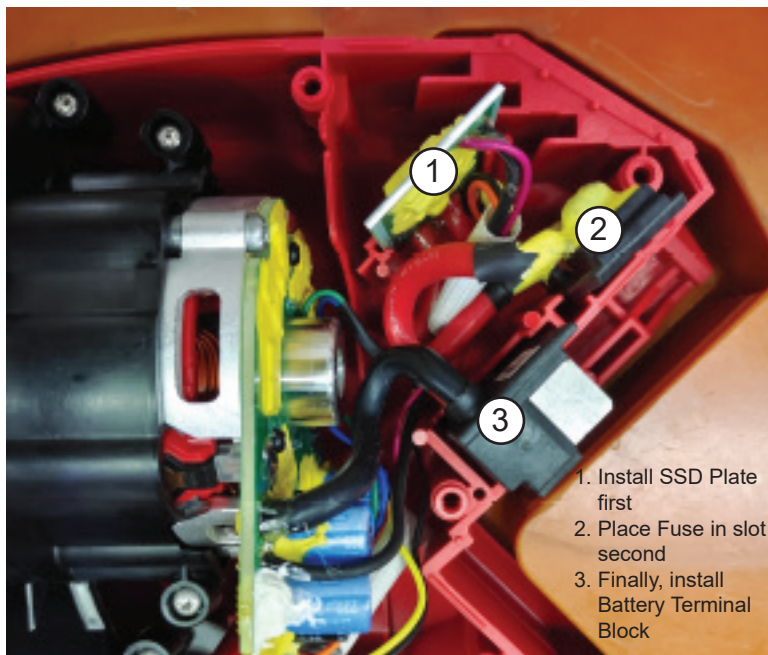
As an aid to reassembly, take notice of wire routings and position in wire guides, wire channels and wire traps while dismantling tool.

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.



1. Install SSD Plate first
2. Place Fuse in slot second
3. Finally, install Battery Terminal Block