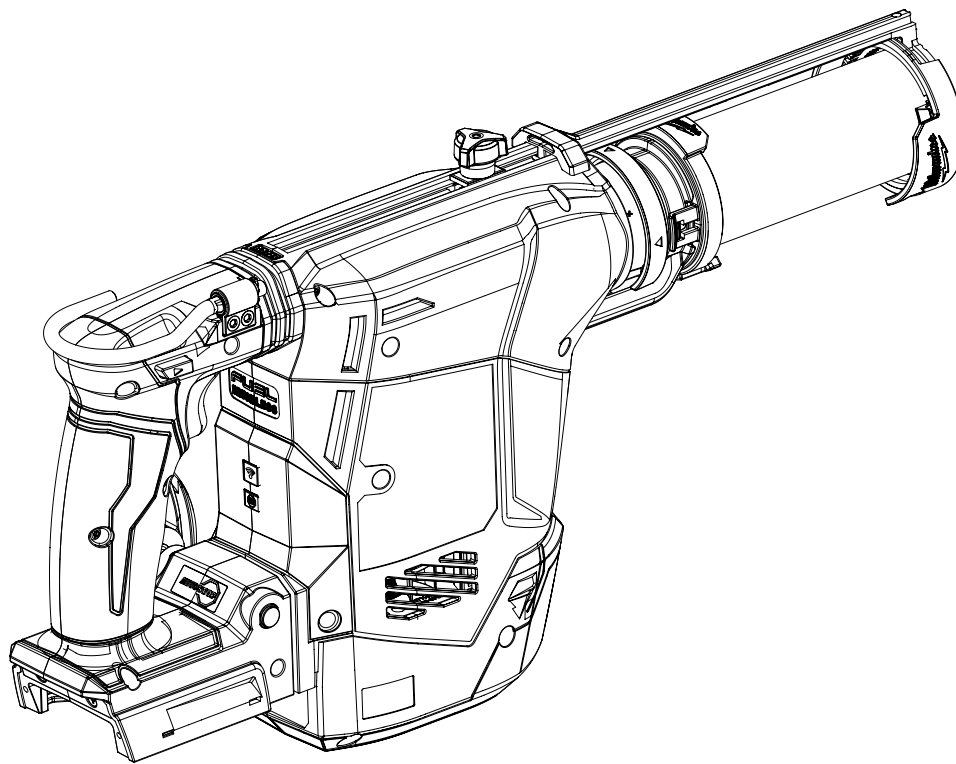




## SERVICE PARTS LIST

BULLETIN NO.  
PN0000997

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS				REVISED BULLETIN	DATE
M18 5/8" SDS Plus Overhead Rotary Hammer w/Integrated Dust Extraction					May 2024
CATALOG NO.	3311-20	SERIAL NO.	P04A	WIRING INSTRUCTION PAGES 5-6	



Only maintenance, service, repairs, and replacements of parts as defined in the Operator's Manual can be performed by the user.

All other repairs are to **ONLY** be performed by personnel authorized by MILWAUKEE TOOL. Do not attempt to install other parts; this **COULD** void your tool warranty.

### For service, parts, or inquiries, contact us:

- Customer Service at 1.800.SAWDUST (1.800.729.3878)
- E-Service tool repair at: [www.milwaukeetool.com/e-service](http://www.milwaukeetool.com/e-service)
- Find a local authorized MILWAUKEE service location at [Milwaukeetool.com](http://Milwaukeetool.com)
- Find a MILWAUKEE *factory* Service Center Location or MILWAUKEE *factory* Central Repair Center at [Milwaukeetool.com](http://Milwaukeetool.com). Send the following, posted paid and insured:
  - Your name, address, and phone number
  - Description of the issues
  - Copy of the proof of purchase
  - Tool, charger, and batteries involved with the issues

### MILWAUKEE *factory* Central Repair Centers:

MILWAUKEE TOOL  
Central Repair  
1401 Sycamore Avenue  
Greenwood, MS 38930

MILWAUKEE TOOL  
Central Repair  
2198 Southtech Drive  
Greenwood, IN 46143

## SERVICE PARTS EXPLODED VIEW

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

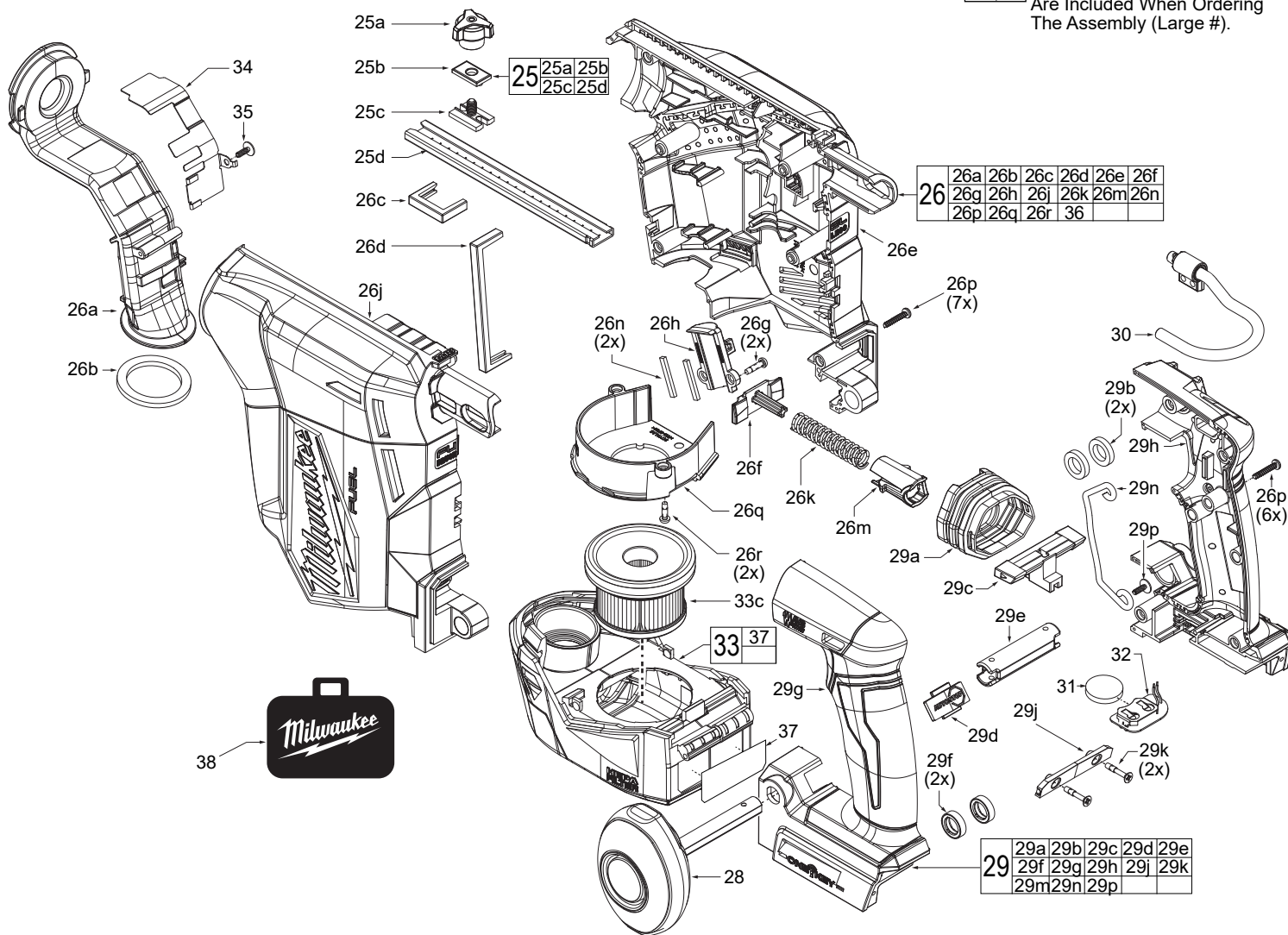


FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
25	42-42-1400	Depth Stop Service Kit	(1)
25a	06-87-0025	Thumb Screw	(1)
25b	44-66-7350	Upper Clamp	(1)
25c	-----	Bolt	(1)
25d	-----	Rail Track	(1)
26	14-38-1020	Housing Service Kit	(1)
26a	14-20-1032	Dust Tube	(1)
26b	43-44-7085	Gasket	(1)
26c	-----	Hall Board Grommet	(1)
26d	-----	PCBA Board Grommet	(1)
26e	-----	Housing Cover	(1)
26f	-----	Spring Retention	(1)
26g	06-82-1087	M3 x 1.058 Pan Hd. Torx T-10 Screw	(2)
26h	-----	Solenoid Cover	(1)
26j	-----	Housing Support	(1)
26k	-----	AVS Spring	(1)
26m	44-20-0066	Handle Spring Carrier	(1)
26n	43-44-8575	Solenoid Cover Foam Bar	(2)
26p	06-82-7210	M3 x 1.27 Pan Hd. Taptite Screw	(13)
26q	42-30-0100	Fan Shroud	(1)
26r	06-82-3002	M3 Pan Hd. Torx T-10 Screw	(2)
28	31-44-1050	Aux. Handle Assembly	(1)
29	14-34-0008	Handle Service Kit	(1)
29a	-----	AVS Rubber	(1)
29b	42-40-7160	Handle Foam Bushing	(2)
29c	45-24-8010	FR Shuttle	(1)
29d	31-15-1008	Autostop Logo Plate	(1)

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
29e	-----	Ball Pin Detent Tube	(1)
29f	-----	Cushion Rubber	(2)
29g	-----	Handle Support	(1)
29h	-----	Handle Cover	(1)
29j	31-15-1009	Coin Cell Door	(1)
29k	06-82-0248	M3 x 1.058 Flat Hd. Philips #2 Screw	(2)
29n	-----	Grounding Wire	(1)
29p	05-88-0030	Spring Wire Guide Screw	(1)
30	14-20-1033	Ladder Hook Assembly	(1)
31	-----	Coin Cell Battery (CR2032) - See local hardware store	(1)
32	22-09-1875	Coin Cell PCBA	(1)
33	49-90-0905	Dust Box Assembly	(1)
33c	49-90-0910	Vacuum Filter	(1)
34	-----	Dust Tube Stamping Plate	(1)
35	-----	Dust Tube Stamping Plate Screw	(1)
36	12-20-0308	Service Nameplate (not shown)	(1)
37	10-22-0258	Warning Label	(1)
38	42-55-3311	Carrying Case (Accessory)	(1)

**PAGE 3 - Service Parts for electronics, gearcase & spindle**

**PAGE 4 - Lubrication Instructions & Screw Torques**

**PAGE 5 - Wiring Guide for Housing**

**PAGE 6 - Wiring Guide for Handle**

# SERVICE PARTS EXPLODED VIEW

## 14-46-3311 MAINTENANCE SERVICE KIT

### THIS KIT CONTAINS:

2	42-52-1400	Rubber Dust Seal	(1)
15a	31-40-1015	Spindle ID Seal	(1)
15c	45-08-0034	Anvil	(1)
15d	34-40-1030	Anvil Sleeve O-Ring	(1)
15e	34-40-0208	Strike Catch O-Ring	(1)
15g	34-40-1031	Anvil Bumper Ring	(1)
15h	42-76-0072	Anvil Sleeve Washer	(1)
15j	44-90-1026	Anvil Snap Ring	(1)
16	43-44-8570	Gearcase Seal	(1)
17b	34-40-1511	Striker O-Ring	(1)
19q	43-84-0300	Felt Plug	(1)
19r	34-40-1032	FE Bearing O-Ring	(1)
20h	43-84-7505	Felt	(1)

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
1	49-90-0900	Spring Tube Assembly	(1)
2	42-52-1400	Rubber Dust Seal	(1)
3	44-90-0014	C-Ring	(1)
4	44-86-0042	Retaining Ring	(1)
5	45-14-0127	Washer Shim	(1)
6	42-76-1100	Chuck Sliding Collar	(1)
7	42-76-1105	Chuck Ring	(1)
8	02-02-0275	Ball Bearing	(2)
9	42-36-1010	Ball Plate	(1)
10	40-50-5265	Chuck Spring	(1)
11	45-88-9300	Chuck Spring Washer	(1)
12	43-84-7500	Felt Ring	(1)
13	05-74-0012	M4 x 20mm Pan Hd. Torx T-20 Screw	(4)
14	31-40-1010	Front Gearcase Assembly	(1)
15	45-22-7060	Spindle Assembly	(1)
15a	31-40-1015	Spindle ID Seal	(1)
15b	38-50-1010	SDS Plus Spindle	(1)
15c	45-08-0034	Anvil	(1)
15d	34-40-1030	Anvil Sleeve O-Ring	(1)
15e	34-40-0208	Strike Catch O-Ring	(1)
15f	45-22-7070	Short Anvil Guide	(1)
15g	34-40-1031	Anvil Bumper Ring	(1)
15h	42-76-0072	Anvil Sleeve Washer	(1)
15j	44-90-1026	Anvil Snap Ring	(1)
15k	44-90-0208	Retaining Ring	(2)
15m	45-88-2115	Washer	(1)
15n	40-50-1721	Clutch Spring	(1)
15p	32-75-1831	2nd Reduction Gear	(1)
15q	02-02-0111	Ball Bearing	(6)
15r	42-70-0786	Clutch Plate	(1)
16	43-44-8570	Gearcase Seal	(1)
17	45-56-8500	Striker Service Kit	(1)
17a	-----	Striker	(1)
17b	34-40-1511	Striker O-Ring	(1)
18	45-88-0143	Thrust Washer	(1)
19	36-92-0100	I-Shaft & Rear Gearcase Assembly	(1)
19a	05-74-0900	M3 x 10 Pan Hd. Torx T-10 Screw	(2)
19b	42-40-1080	Rear Spindle Bushing	(1)
19c	44-62-8630	Piston	(1)
19d	45-88-9310	U-shaped Washer	(1)
19e	44-60-0033	Cylinder Bolt	(1)
19f	-----	Rear Gearcase	(1)
19g	-----	I-Shaft Bearing	(1)
19h	44-90-9015	Retaining Ring	(1)
19j	32-60-1050	2nd Pinion	(1)
19k	45-22-7080	Wobble Bearing	(1)
19m	33-66-0001	I-Shaft	(1)
19n	-----	Bevel Gear	(1)
19p	44-90-9020	Snap Ring	(1)
19q	43-84-0300	Felt Plug	(1)

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
19r	34-40-1032	O-Ring	(1)
20	16-01-0006	Rotor Assembly	(1)
20a	-----	Bevel Pinion	(1)
20b	-----	FE Bearing	(1)
20c	42-92-7275	FE Bearing Retaining Plate	(1)
20d	-----	Rotor	(1)
20e	-----	CE Bearing	(1)
20f	42-40-1085	Fan Bushing	(1)
20g	06-82-1010	M4 x .7 CH Torx T-20 Taptite Screw	(2)
20h	43-84-7505	Felt	(1)
21	14-20-1031	PCBA & Stator Assembly	(1)
21a	31-86-1000	Clamp	(1)
21b	-----	Stator	(1)
21c	-----	M2 x .89 Pan Hd. Torx T-8 PT Screw	(4)
21d	31-50-1052	Motor Housing	(1)
21e	06-82-5315	M3 x 26.5mm Pan Hd. Torx T-10 Screw	(2)
21f	05-78-5316	M4 x .7 Pan Hd. Torx T-20 Taptite Scrw	(4)
21g	-----	PCBA Assembly	(1)
21h	06-82-0196	M2.5 x 1.058 Pan Hd. T-8 Taptite Scrw	(2)
22	22-84-1010	IDE Fan	(1)
23	42-76-1110	Fan Washer	(1)
24	06-82-3007	M4 x 7 Pan Hd. Torx T-20 Screw	(1)

21a	21b	21c
21d	21e	21f
21g	21h	-----

## LUBRICATION INSTRUCTIONS

● = B118 Grease,  
(1.76-oz. tube), 45-00-0230

● = GE00 Grease  
(2.8-oz. tube), 49-08-5355

● = 277 Red Loctite®, 44-22-0055

### NOTE

Regarding parts to be lubricated:  
Apply a light coating of grease to  
all highlighted parts shown prior  
to installation. Reference the key  
above for grease types.

### NOTE

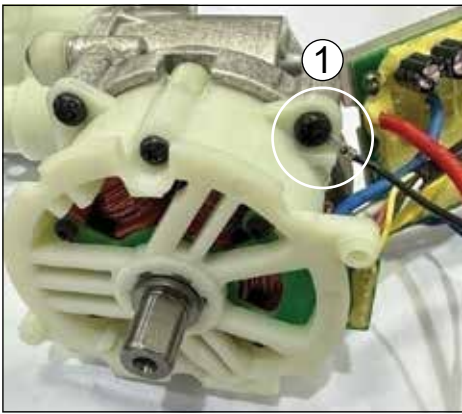
Regarding parts to receive  
thread locking sealant: Place one  
to two drops of the recommended  
Loctite® thread locking sealant  
(or the equivalent) to the threads  
of parts shown prior to  
installation.

SCREW TORQUE SPECIFICATIONS				
FIG.	PART NO.	WHERE USED	SEAT TORQUE	
			(kgf-cm)	(lb-in)
* 13	05-74-0012	Front/Rear Gearcase	16±1.6	14±1.5
*19a	05-74-0900	Rear Bushing/Gearcase	14±1.4	12±1.3
20g	06-82-1010	Rear Retaining Plate/Gearcase	14±1.4	12±1.3
21e	06-82-5315	Stator Clamp/Motor Housing	9±1	8±1
21f	05-78-5316	Motor Housing/Rear Gearcase	18±2	16±2
21h	06-82-0196	Handle Support	3±0.4	3±0.3
*24	06-82-3007	Fan/Rotor	18±1.8	16±1.6
26g	06-82-1087	Housing Support	7±0.7	6±0.6
26p	06-82-7210	Housing Cover/Support	10±1	9±1
26r	06-82-3002	Fan Shroud/Motor Housing	7±0.7	6±0.6
29k	06-82-0248	Coin Cell Door/Handle	4±0.5	3±0.4
29m	06-82-7210	Handle Cover/Support	12±1	10±1
29p	05-88-0030	Grounding Wire/Handle Support	7±0.7	6±0.6
35	00-00-0000	Stamping Plate/Dust Tube	8±0.8	7±0.7

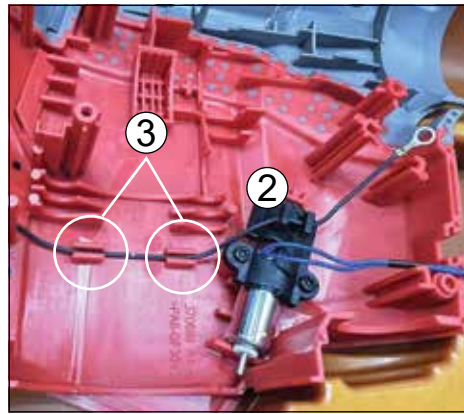
\* Cover all threads of screw with Loctite 277 before installing



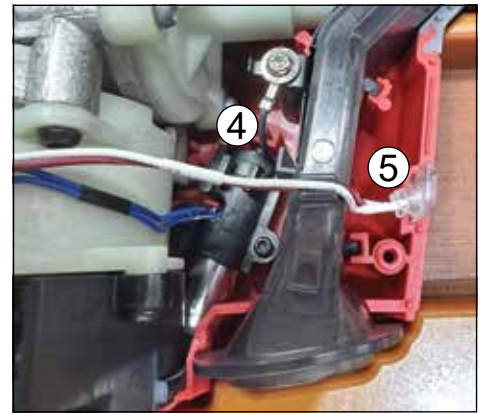
## SERVICE WIRING - HOUSING



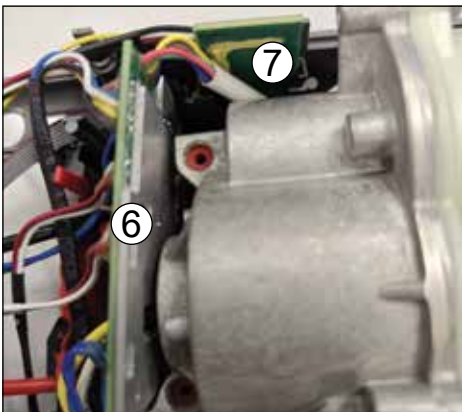
(1) Install PCBA ground wire onto motor housing.



(2) Install solenoid.  
(3) Route ESD wire through traps as shown.



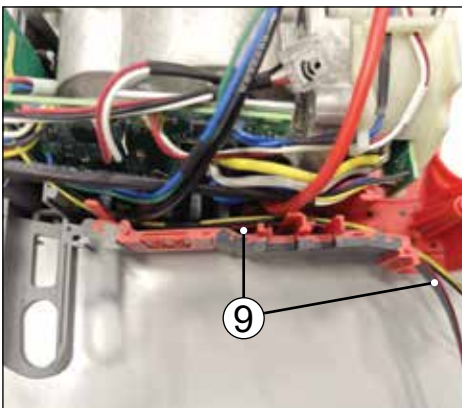
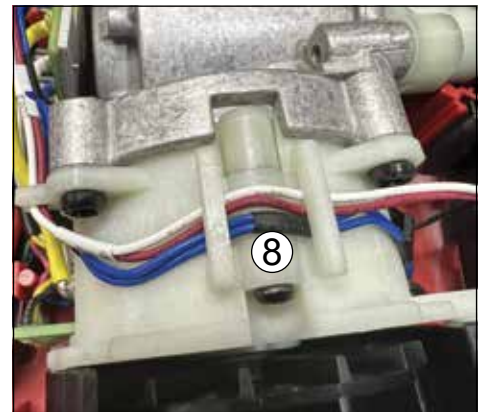
(4) Install ESD trap wire and (5) work light wire in traps as shown.



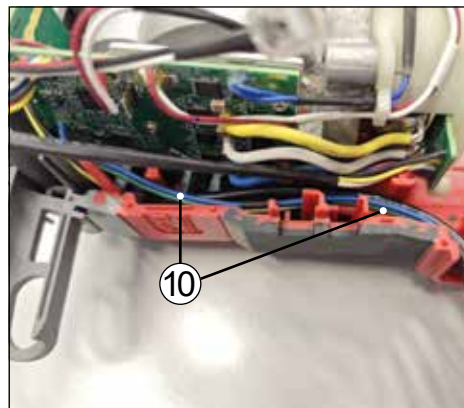
(6) Place PCBA and (7) One-Key board with grommets into housing ribs.



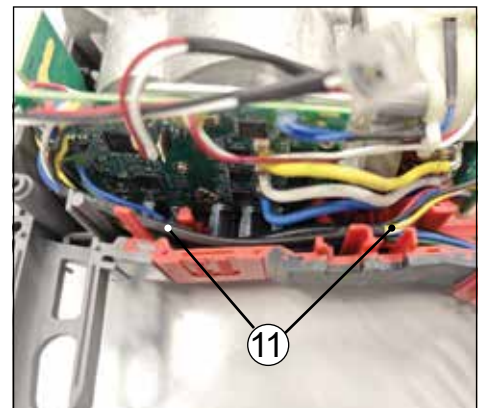
(8) Place solenoid and work light wires into motor housing ribs.



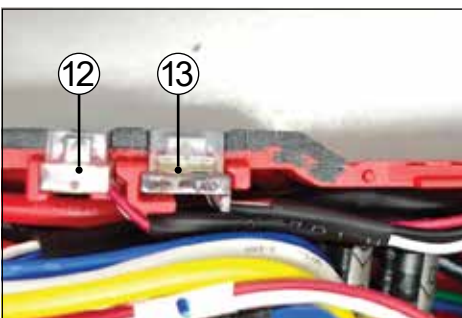
(9) Tuck switch ribbon wire into bottom of housing, followed by CC wires.



(10) Tuck terminal board wires into housing ribs.



(11) Tuck hall board wires into housing ribs.



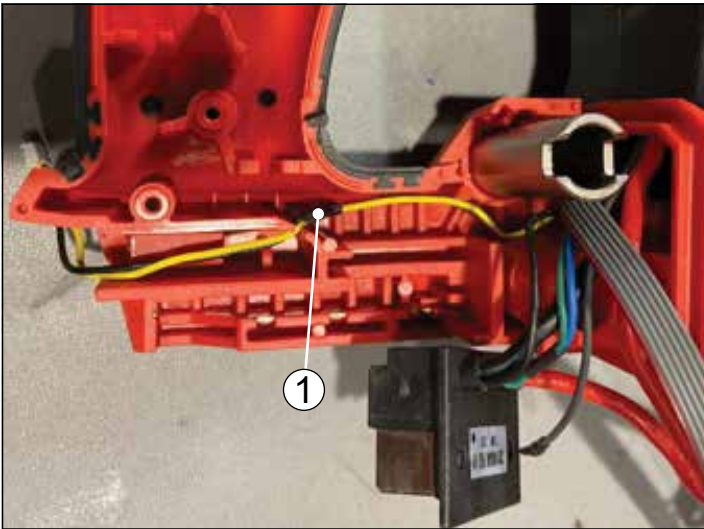
(12) Place BLE light and (13) autostop light into housing slots.

NOTE: Be sure that all components of the electronics kit are seating firmly and squarely in the handle recesses. Avoid pinched wires, be sure that all wires and sleeves are pressed completely down in wire guides and traps. Prior to installing the handle and housing covers onto the handle and housing supports, be sure that there are no interferences.

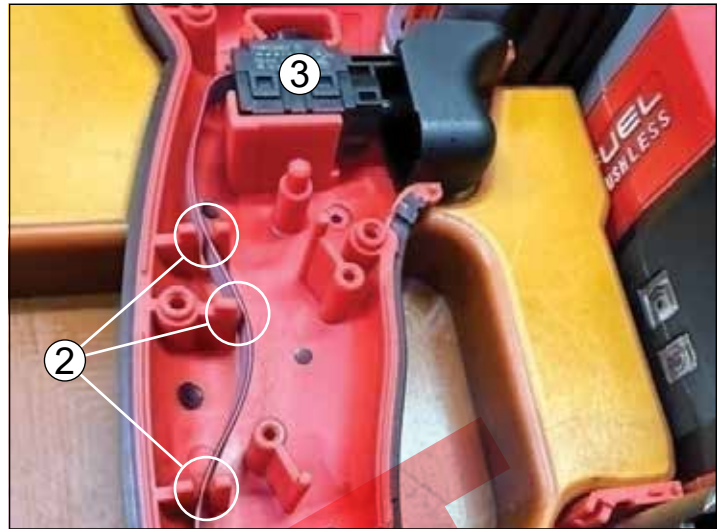




## SERVICE WIRING - HANDLE



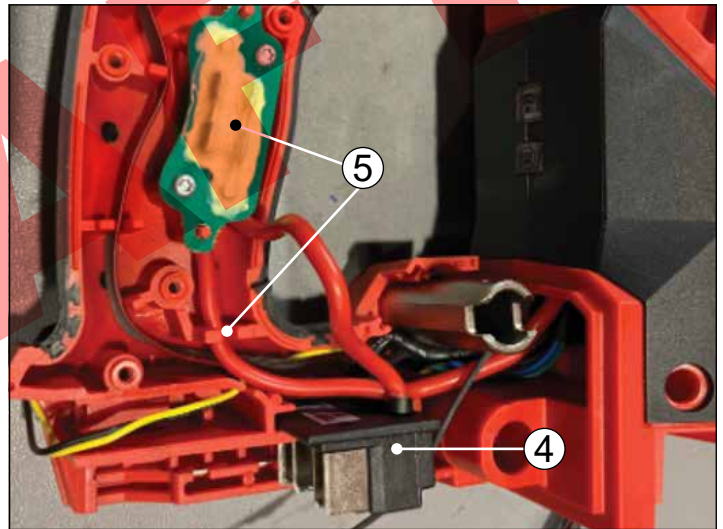
(1) Place BLE wire into handle rib, with the heat shrink closest to the battery terminal.



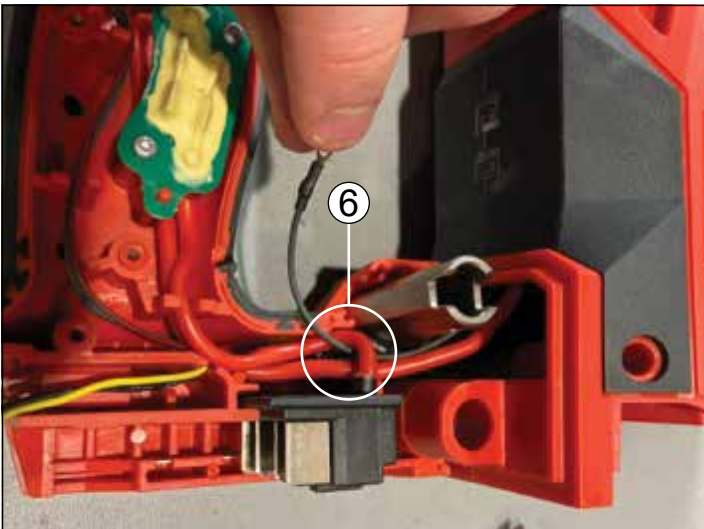
(2) Route switch ribbon wire within handle ribs.  
(3) Place switch into fixed ribs.



NOTE: The switch wire should sit below the metal tube.



(4) Place terminal into fixed handle ribs.  
(5) Place fuse board and wires into fixed handle ribs.  
NOTE: Be sure fuse to PCBA wire is placed first.



(6) Grasp ring terminal and pass it through the loop created by the B+ wire.

(7) Route ground wire through ribs and (8) install the ESD trap wire over it.