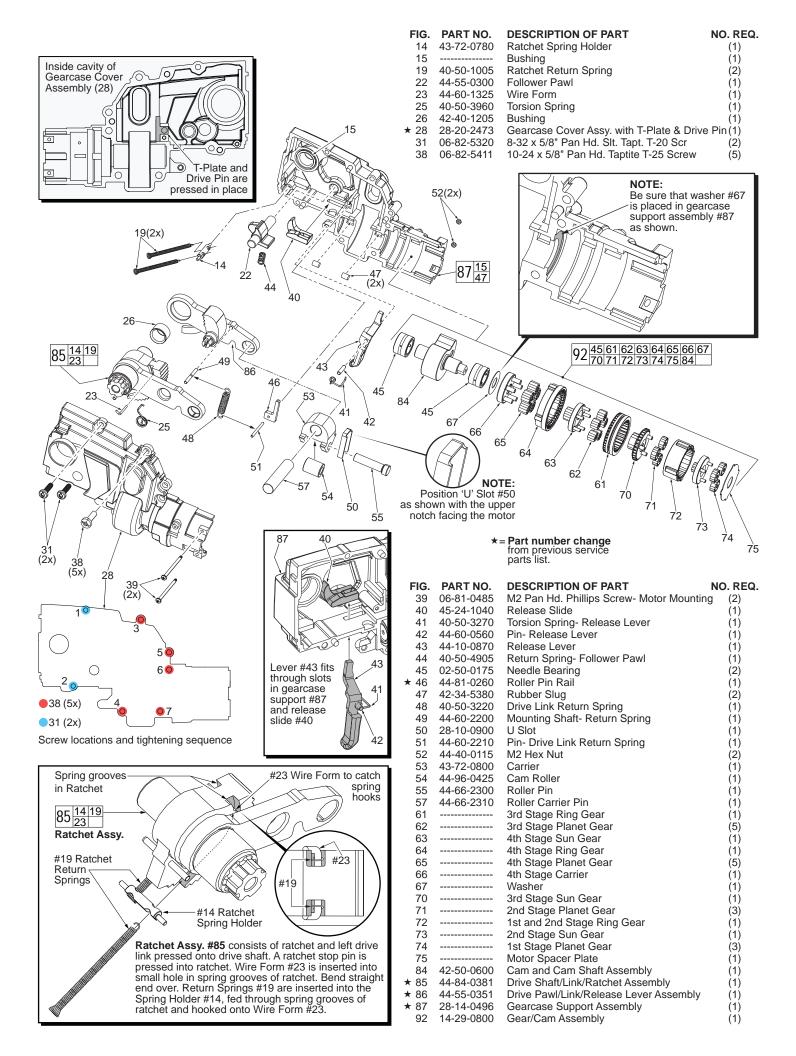
DATE

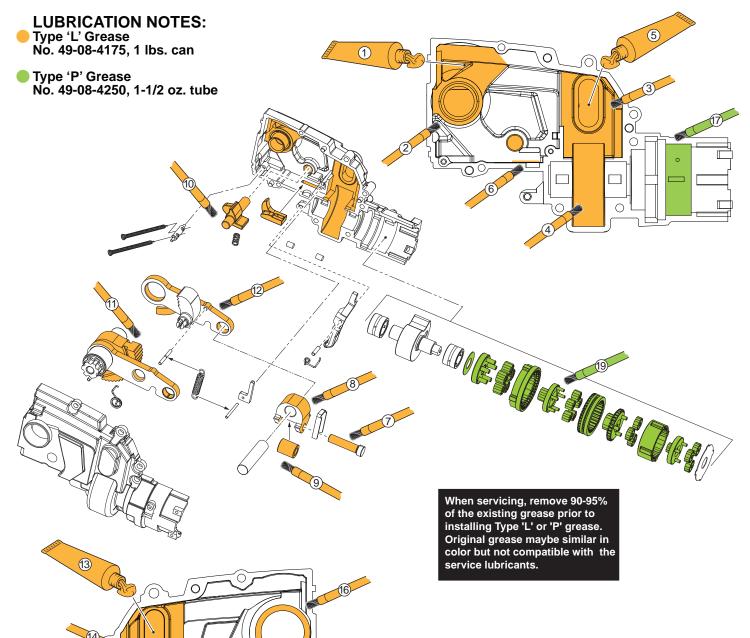
May 2016

SERVICE PARTS LIST

Milwaukee SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS REVISED BULLETIN 54-27-2491 M12™ CABLE CUTTER WIRING INSTRUCTION SERIAL NUMBER **CATALOG NO.** 2472-20 **E21C**

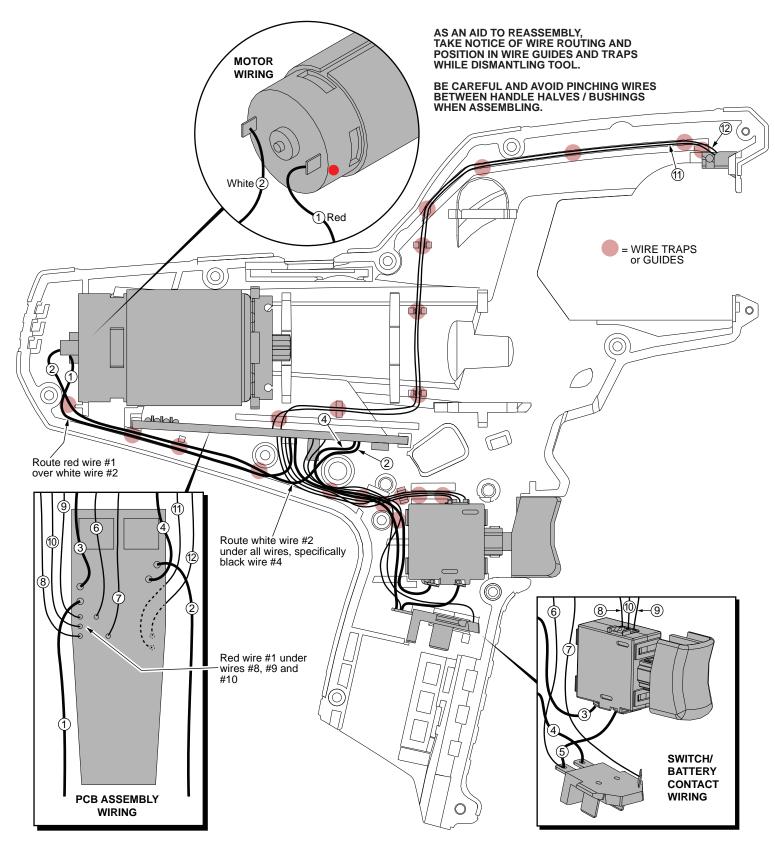
		CATALOG NO.	2472-20	SERIAL NUMBER	E21C	See Page 4
00 EXAMPLE Componen	t Parts (Small #)	Are Included		,		
Wileli Olde	ening The Assem	bly (Laige #).	No. 5	9(2	ex)	8
FIG. PART NO. 1	DESCRIPTION Housing Support		NO. REQ. (1)			/ 11(7x) 81
2 34-40-4480 3	O-Ring Switch		(1)			
4 42-42-0631	Drive Link Swit	ch Lock-Out	(1)			
5 40-50-4520 6 44-20-0770	Spring Switch Lock-O	ut	(1) (1)			
7 8 10-20-2545	Housing Cover Warning Label		(1) (1)			
9 06-82-2385	M2.6 x 14mm l	Pan Hd. Tapt. T-8 Screw Hd. Plastite T-15 Screw	(2)			17
10 06-82-7240 11 06-82-7261	6-19 x .687 Pa	n Hd. Plastite T-15 Scre	w (7)			
17 10-20-2675	Jam Release L	abel	(1)	37、	56	
				94.		
★= Part number change from prediction	evious	055 0405 05	OD THE	> 34 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\\58	
service parts list	t.	SEE PAGE 2 F EXPLODED V			59	
		THE GEAR	CASE		60	10(3x)
					52(2x)	7
	m:lingukee				® 78	79 80 [20]76[77]78]
	-		' J			90 76 77 78 79 80
		93	6			
		83	5			
			4		77(2x)	
			4 8		76(2x)	
		3.		000000	39(2x)	
					. → 4	5
				29		
91 33 34				>	29 3	
[,,]35[36]				30 88 3	83	2
The second secon		Milmula		89 1 2	4 7 8 9 17 81 82	09 (2x)
				97/10/11	17 81 82	10 (3x)
	36					Screw Locations
	35		9900			and tightening sequence
	`34		82	FIG. PART NO. 60 44-10-0665	Spring- High/Lov	w Slide Button (1)
				76 05-81-0205	M3 x 6 Pan Hd.	Phillips Hd. Screw (2) (2)
`33	DESCRIPTION	32		78 44-66-0995	Motor Mounting	Plate (1)
FIG. PART NO. 29	PCBA		NO. REQ. (1)	80	- Motor	(1) (1)
30 32 49-96-0088	Battery Contact 3/16" x 3-5/8" H		(1) (1)	81 12-20-2465 82		
33 42-32-0500 34		Fitted Bolt with Loctite®		83 88 23-66-2472	- LED	(1)
35 42-32-0525	Stationary Blac	de Fixed Bolt w/ Loctite®	Patch (1)	89 31-44-2474	Handle Assembl	y (1)
36 37 45-88-8210	Stationary Blace Plate Washer v	de vith 3.3mm hole	(1) (1)	90 23-30-0375 91 48-44-0410	•	(1) (1)
39 06-81-0485 52 44-40-0115	M2 Pan Hd. Ph M2 Hex Nut	nillips Screw- Motor Mou		93 42-55-2472 94 05-81-0208	2 Carrying Case	Hd. Slotted Screw (1)
56 45-24-0400	High-Low Slide	e Button	(1)	54 55 61 0Z00		ECTRIC TOOL CORPORATION
58 05-81-0798 59 45-88-8205	M2 Screw Plate Washer v	vith 2.3mm hole	(1) (1)			N RD., BROOKFIELD, WI 53005
						· ·





- 1 Place 5 grams (approx. 3/16 ounce) of Type 'L' grease in the upper left corner of gearcase support assembly.
- (2) Apply a thin coat of 'L' grease around and in the drive shaft bushing.
- (3) Apply a thin coat of 'L' grease to area shown. Be sure to cover the roller carrier slot and the surfaces the roller pin will have contact with.
- (4) Coat the cam pocket of the gearcase support with 'L' grease.
- (5) Place 5 grams (3/16 ounce) of 'L' grease in carrier pin pocket.
- (6) Coat the release slide slot in gearcase support with 'L' grease.
- 7) Apply a thin coat of 'L' grease to the roller pin prior to assembly with the carrier and roller.
- (8) Coat the top and bottom surfaces of the carrier with 'L' grease.
- (9) After assembly in the carrier with the pin, add 3 grams (approx. 1/8 oz. of 'L' grease to the surface of the roller.

- (10) Apply a thin coat of 'L' grease to all surfaces of the follower pawl. Be sure to cover shaft, release surfaces and ratchet locking surfaces.
 - Apply a thin coat of grease to all surfaces of the release slide.
- (1) Fill gear teeth and both side spring pockets of the ratchet with 'L' grease. Once the two return springs are inserted, apply a thin coat of grease over all ratchet surfaces.
- (2) Apply a thin coat of 'L' grease to the holes and outside edges of the right and left drive links of the ratchet and pawl assemblies. Be sure the drive pawl release lever is coated with grease also.
- (3) Place 5 grams (3/16 ounce) of 'L' grease in carrier pin pocket.
- (4) Apply a thin coat of 'L' grease to area shown. Be sure to cover the roller carrier slot and the surfaces the roller pin will have contact with.
- (5) Coat the cam pocket of the gearcase support with 'L' grease.
- (6) Place a thin layer of 'L' grease to the inside walls of the gearcase cover bushing and follower pawl shaft hole. Apply a thin coat of grease to the area outside the bushing.
- (17) Apply a thin coat of Type 'P' grease to the ring gear pocket of the gearcase support assembly.
- (8) Apply a thin coat of Type 'P' grease to the ring gear pocket of the gearcase cover.
- (9) Place a thin coat of 'P' grease to the gear components shown above. Be sure that all ring gear teeth and planetary gear teeth are completely covered.



1 RED PCB to motor positive (MTR+)

② WHITE PCB to motor negative (MTR-)

3 RED PCB to switch (B+ SW)

4 BLACK PCB to negative battery contact (BAT-)

⑤ RED Switch to positive battery contact (BAT+)

⑥ RED PCB to battery contact (BAT+)⑦ WHITE PCB to battery contact (BAT_ther)

8 YELLOW PCB to switch (ylw)

(9) BLACK PCB to switch (blk)

10 BLUE PCB to switch (blu)

1 BLACK PCB to LED (LED-)

12 BLUE PCB to LED (LED+)

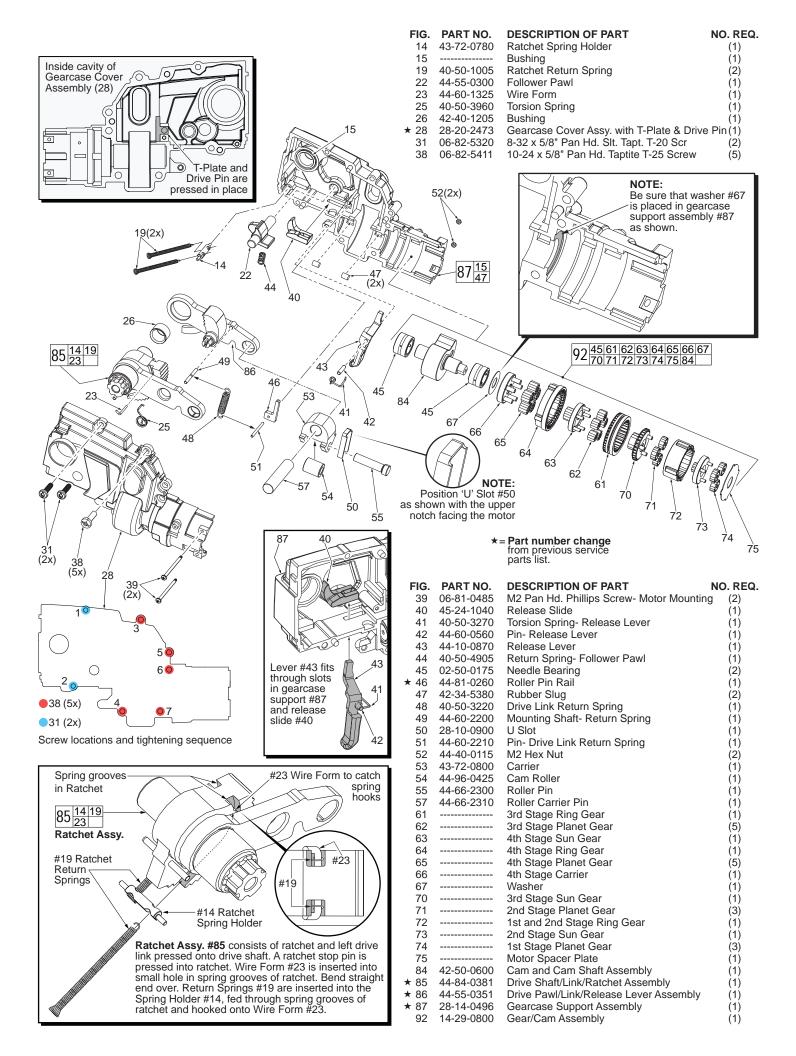
DATE

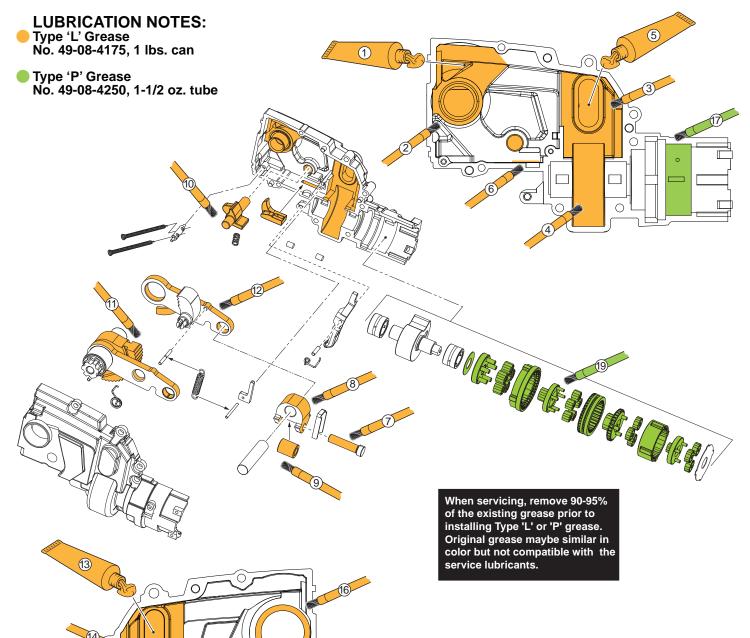
May 2016

SERVICE PARTS LIST

Milwaukee SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS REVISED BULLETIN 54-27-2491 M12™ CABLE CUTTER WIRING INSTRUCTION SERIAL NUMBER **CATALOG NO.** 2472-20 **E21C**

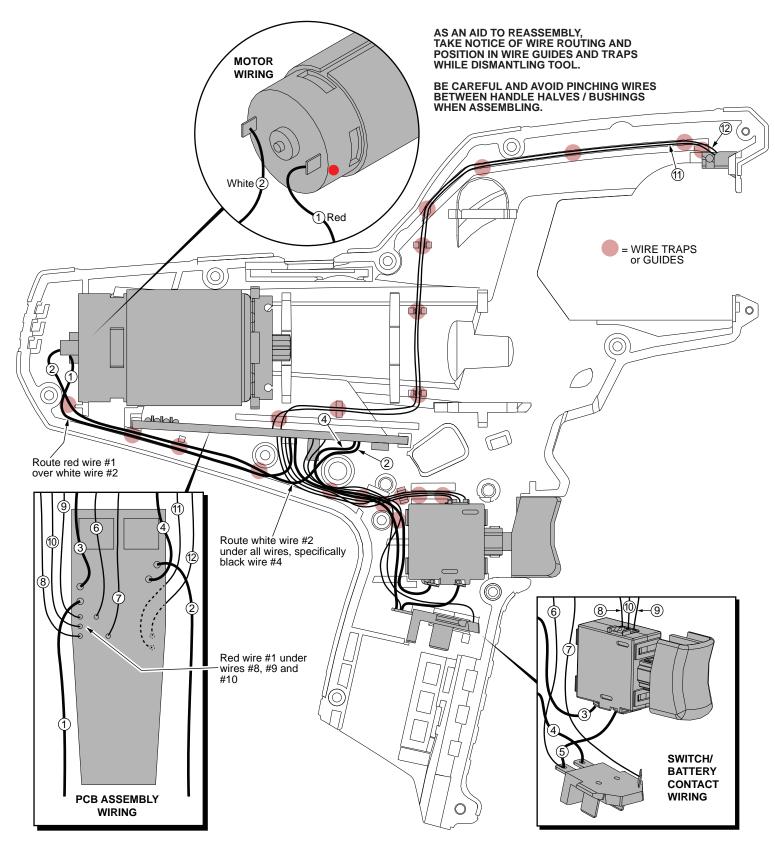
		CATALOG NO.	2472-20	SERIAL NUMBER	E21C	See Page 4
00 EXAMPLE Componen	t Parts (Small #)	Are Included		,		
Wileli Olde	ening The Assem	bly (Laige #).	No. 5	9(2	ex)	8
FIG. PART NO. 1	DESCRIPTION Housing Support		NO. REQ. (1)			/ 11(7x) 81
2 34-40-4480 3	O-Ring Switch		(1)			
4 42-42-0631	Drive Link Swit	ch Lock-Out	(1)			
5 40-50-4520 6 44-20-0770	Spring Switch Lock-O	ut	(1) (1)			
7 8 10-20-2545	Housing Cover Warning Label		(1) (1)			
9 06-82-2385	M2.6 x 14mm l	Pan Hd. Tapt. T-8 Screw Hd. Plastite T-15 Screw	(2)			17
10 06-82-7240 11 06-82-7261	6-19 x .687 Pa	n Hd. Plastite T-15 Scre	w (7)			
17 10-20-2675	Jam Release L	abel	(1)	37、	56	
				94.		
★= Part number change from prediction	evious	055 0405 05	OD THE	> 34 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\\58	
service parts list	t.	SEE PAGE 2 F EXPLODED V			59	
		THE GEAR	CASE		60	10(3x)
					52(2x)	7
	m:lingukee				® 78	79 80 [20]76[77]78]
	-		' J			90 76 77 78 79 80
		93	6			
		83	5			
			4		77(2x)	
			4 8		76(2x)	
		3.		000000	39(2x)	
					. → 4	5
				29		
91 33 34				>	29 3	
[,,]35[36]				30 88 3	83	2
The second secon		Mhmmh		89 1 2	4 7 8 9 17 81 82	09 (2x)
				97/10/11	17 81 82	10 (3x)
	36					Screw Locations
	35		9900			and tightening sequence
	`34		82	FIG. PART NO. 60 44-10-0665	Spring- High/Lov	w Slide Button (1)
				76 05-81-0205	M3 x 6 Pan Hd.	Phillips Hd. Screw (2) (2)
`33	DESCRIPTION	32		78 44-66-0995	Motor Mounting	Plate (1)
FIG. PART NO. 29	PCBA		NO. REQ. (1)	80	- Motor	(1) (1)
30 32 49-96-0088	Battery Contact 3/16" x 3-5/8" H		(1) (1)	81 12-20-2465 82		
33 42-32-0500 34		Fitted Bolt with Loctite®		83 88 23-66-2472	- LED	(1)
35 42-32-0525	Stationary Blac	de Fixed Bolt w/ Loctite®	Patch (1)	89 31-44-2474	Handle Assembl	y (1)
36 37 45-88-8210	Stationary Blace Plate Washer v	de vith 3.3mm hole	(1) (1)	90 23-30-0375 91 48-44-0410	•	(1) (1)
39 06-81-0485 52 44-40-0115	M2 Pan Hd. Ph M2 Hex Nut	nillips Screw- Motor Mou		93 42-55-2472 94 05-81-0208	2 Carrying Case	Hd. Slotted Screw (1)
56 45-24-0400	High-Low Slide	e Button	(1)	54 55 61 0Z00		ECTRIC TOOL CORPORATION
58 05-81-0798 59 45-88-8205	M2 Screw Plate Washer v	vith 2.3mm hole	(1) (1)			N RD., BROOKFIELD, WI 53005
						· ·





- 1 Place 5 grams (approx. 3/16 ounce) of Type 'L' grease in the upper left corner of gearcase support assembly.
- (2) Apply a thin coat of 'L' grease around and in the drive shaft bushing.
- (3) Apply a thin coat of 'L' grease to area shown. Be sure to cover the roller carrier slot and the surfaces the roller pin will have contact with.
- (4) Coat the cam pocket of the gearcase support with 'L' grease.
- (5) Place 5 grams (3/16 ounce) of 'L' grease in carrier pin pocket.
- (6) Coat the release slide slot in gearcase support with 'L' grease.
- 7) Apply a thin coat of 'L' grease to the roller pin prior to assembly with the carrier and roller.
- (8) Coat the top and bottom surfaces of the carrier with 'L' grease.
- (9) After assembly in the carrier with the pin, add 3 grams (approx. 1/8 oz. of 'L' grease to the surface of the roller.

- (10) Apply a thin coat of 'L' grease to all surfaces of the follower pawl. Be sure to cover shaft, release surfaces and ratchet locking surfaces.
 - Apply a thin coat of grease to all surfaces of the release slide.
- (1) Fill gear teeth and both side spring pockets of the ratchet with 'L' grease. Once the two return springs are inserted, apply a thin coat of grease over all ratchet surfaces.
- (2) Apply a thin coat of 'L' grease to the holes and outside edges of the right and left drive links of the ratchet and pawl assemblies. Be sure the drive pawl release lever is coated with grease also.
- (3) Place 5 grams (3/16 ounce) of 'L' grease in carrier pin pocket.
- (4) Apply a thin coat of 'L' grease to area shown. Be sure to cover the roller carrier slot and the surfaces the roller pin will have contact with.
- (5) Coat the cam pocket of the gearcase support with 'L' grease.
- (6) Place a thin layer of 'L' grease to the inside walls of the gearcase cover bushing and follower pawl shaft hole. Apply a thin coat of grease to the area outside the bushing.
- (17) Apply a thin coat of Type 'P' grease to the ring gear pocket of the gearcase support assembly.
- (8) Apply a thin coat of Type 'P' grease to the ring gear pocket of the gearcase cover.
- (9) Place a thin coat of 'P' grease to the gear components shown above. Be sure that all ring gear teeth and planetary gear teeth are completely covered.



1 RED PCB to motor positive (MTR+)

② WHITE PCB to motor negative (MTR-)

3 RED PCB to switch (B+ SW)

4 BLACK PCB to negative battery contact (BAT-)

⑤ RED Switch to positive battery contact (BAT+)

⑥ RED PCB to battery contact (BAT+)⑦ WHITE PCB to battery contact (BAT_ther)

8 YELLOW PCB to switch (ylw)

(9) BLACK PCB to switch (blk)

10 BLUE PCB to switch (blu)

1 BLACK PCB to LED (LED-)

12 BLUE PCB to LED (LED+)