NO. REQ.

(1)

SERVICE PARTS LIST

Milwaukee SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS M12™ 3/8" RATCHET

REVISED BULLETIN DATE Sept. 2017

WIRING INSTRUCTION See Reverse Side

CATALOG NO.

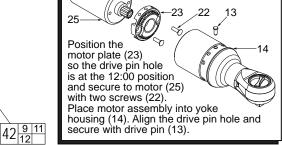
2457-20

Be sure to orient motor (25) with the positive terminal (red dot)

SERIAL NUMBER

D54A

riG.	FARTINO.	DESCRIPTION OF PART
35	44-10-0740	Switch Paddle
36		Handle Support - Left
38	14-46-2455	3/8" Yoke Housing Assembly
39	23-66-3020	Switch Assembly
40	21 44 2710	Handla Kit



20

36

22 9

to the right side.



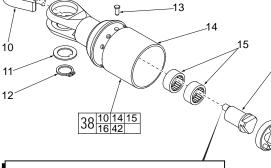
22

28

-33

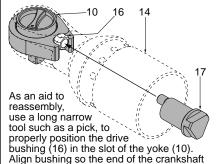
34





9

16



(17) can be inserted into the drive bushing.

			7
FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
9		3/8" Anvil Assembly	(1)
10		Yoke	(1)
11		Friction Plate	(1)
12		Retaining Ring	(1)
13	44-60-0890	Drive Pin	(1)
14		Yoke Housing	(1)
15		Needle Bearing	(2)
16		Driver Bushing	(1)
17	36-17-0300	Crankshaft	(1)
18	28-23-0500	Carrier Assembly	(1)
19	32-62-0400	Planet Gear	(3)
20	32-65-0350	Ring Gear	(1)
21	45-88-2105	Washer	(1)
22	05-81-0105	M3 x 10 T-10 Screw	(6)
23	44-66-1240	Motor Plate	(1)
24		LED Assembly (Component of PCBA)	(1)
25	23-30-0650	Motor Assembly	(1)
26	06-82-2385	M2.6 x 14 ST T-8 Screw	(4)
27	06-82-2395	M2.6 x 10 ST T-8 Screw	(1)
28		Handle Cover - Right	(1)
29		Switch	(1)
30		PCB Assembly with LED	(1)
31	12-20-2454	Service Nameplate (Not Shown)	(1)
32	23-66-2910	Lockout Switch	(1)
33		Battery Connector	(1)
34	44-60-0575	Spring Pin	(1)

EXAMPLE: Component Parts (Small #) Are Included When Ordering The Assembly (Large #). 18 19 25

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39 24 29 30 33



(6)

LUBRICATION FIG. (Type 'E' Grease, No. 49-08-4122):

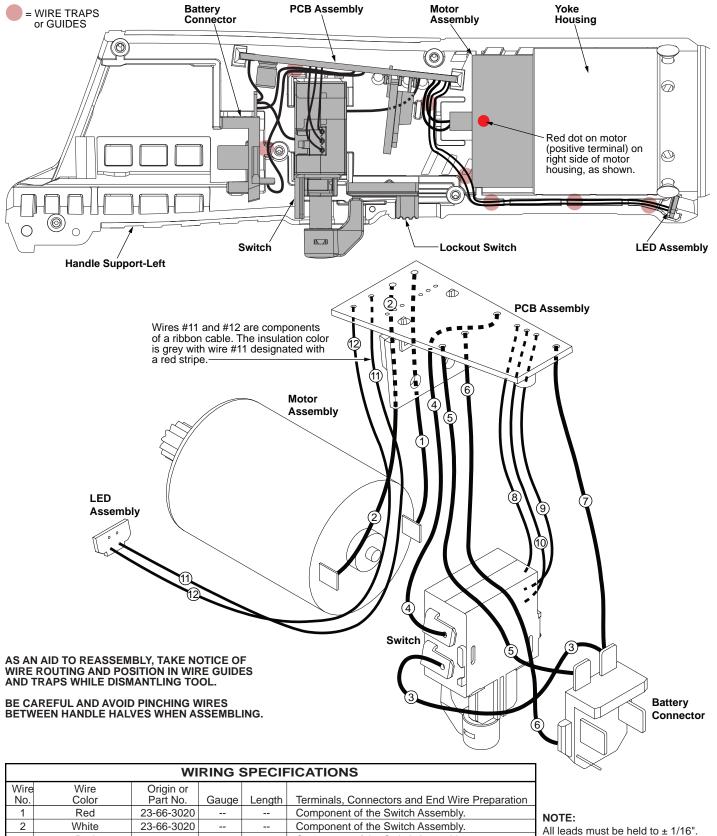
17 Apply a moderate coating of grease to the small cylindrical surface that goes into driver bushing and to the large cylindrical surface that is surrounded by the two needle bearings.

29

- 18 Apply a moderate coating of grease to the three axles of the carrier assembly prior to installing the planet gears.
- 20,25 Apply a heavy coating of grease to the inside diameter gear teeth of the ring gear and the teeth of the motor pinion.
- 21 Apply a light coat of grease to the surface of the washer.

FIG.

- Prior to installing a new service nameplate, apply isopropyl 28,31 alcohol to the handle cover with a clean, lint free applicator and allowed to dry.
- Use a similar size tool or pin to remove the spring pin from 34 the handle halves and switch paddle. When reinstalling pin, align the holes and carefully press or tap the pin in place.



WIRING SPECIFICATIONS					
Wire		Origin or			
No.	Color	Part No.	Gauge	Length	Terminals, Connectors and End Wire Preparation
1	Red	23-66-3020			Component of the Switch Assembly.
2	White	23-66-3020			Component of the Switch Assembly.
3	Red	23-66-3020			Component of the Switch Assembly.
4	Black	23-66-3020			Component of the Switch Assembly.
5	Black	23-66-3020			Component of the Switch Assembly.
6	White	23-66-3020		-	Component of the Switch Assembly.
7	Red	23-66-3020			Component of the Switch Assembly.
8	Yellow	23-66-3020			Component of the Switch Assembly.
9	Blue	23-66-3020		-	Component of the Switch Assembly.
10	Black	23-66-3020			Component of the Switch Assembly.
11	Grey w/ Red Stripe	23-66-3020			Component of the Switch Assembly.
12	Grey	23-66-3020			Component of the Switch Assembly.

BULK LEAD WIRE - BULLETIN 58-01-0003

All lead lengths are before stripping.

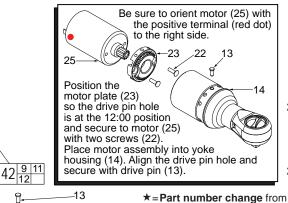
TERMINAL DESCRIPTION				
Code	Part No.	Qnty.		
CON	NECTOR DECCRIP	TION		
CONNECTOR DESCRIPTION				

43

SERVICE PARTS LIST

17

Milwaukee SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS REVISED BULLETIN DATE 54-47-0230 Sept. 2017 M12™ 3/8" RATCHET WIRING INSTRUCTION SERIAL CATALOG NO. 2457-20 **D54B** See Reverse Side NUMBER



previous service parts list.

(1)

FIG. **LUBRICATION**

(Type 'E' Grease, No. 49-08-4122):

Apply a moderate coating of grease to the small cylindrical surface that goes into driver bushing and to the large cylindrical surface that is surrounded by the two needle bearings.

18 Apply a moderate coating of grease to the three axles of the carrier assembly prior to installing the planet gears.

20,25 Apply a heavy coating of grease to the inside diameter gear teeth of the ring gear and the teeth of the motor pinion.

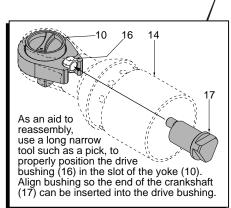
21 Apply a light coat of grease to the surface of the washer.

FIG. **NOTES**

TEXAMPLE.

Prior to installing a new service nameplate, apply isopropyl alcohol to the handle cover with a clean, lint free applicator 28,31 and allowed to dry.

> Use a similar size tool or pin to remove the spring pin from the handle halves and switch paddle. When reinstalling pin, align the holes and carefully press or tap the pin in place.



44-60-0575

Spring Pin

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38 10 14 15 16 42

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17	CAAMPLE:			
/	00 Component Pa	arts (Small #)		
/ 18		When Ordering	22	
/ / 10	The Assembly	// orgo #\	_22	
/ / 19	The Assembly	(Large #).	26	
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FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
9		3/8" Anvil Assembly	(1)
10		Yoke	(1)
11		Friction Plate	(1)
12		Retaining Ring	(1)
13	44-60-0890	Drive Pin	(1)
14		Yoke Housing	(1)
15		Needle Bearing	(2)
16		Driver Bushing	(1)
17	36-17-0300	Crankshaft	(1)
18	28-23-0500	Carrier Assembly	(1)
19	32-62-0400	Planet Gear	(3)
20	32-65-0350	Ring Gear	(1)
21	45-88-2105	Washer	(1)
22	05-81-0105	M3 x 10 T-10 Screw	(6)
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27	06-82-2395	M2.6 x 10 ST T-8 Screw	(1)
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30		PCB Assembly with LED	(1)
31	12-20-2454	Service Nameplate (Not Shown)	(1)
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33		Battery Connector	(1)

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
35	44-10-0740	Switch Paddle	(1)
36		Handle Support - Left	(1)
★ 38	14-46-2455	3/8" Yoke Housing Assembly	(1)
39	23-66-3020	Switch Assembly	(1)
40	31-44-2710	Handle Kit	(1)
41		Fuel Gauge Label	(1)
★ 42	42-06-1030	3/8" Anvil Service Kit	(1)
43	42-55-2456	Contractors Bag	(1)

40 22 26 27 28 34 36 41

