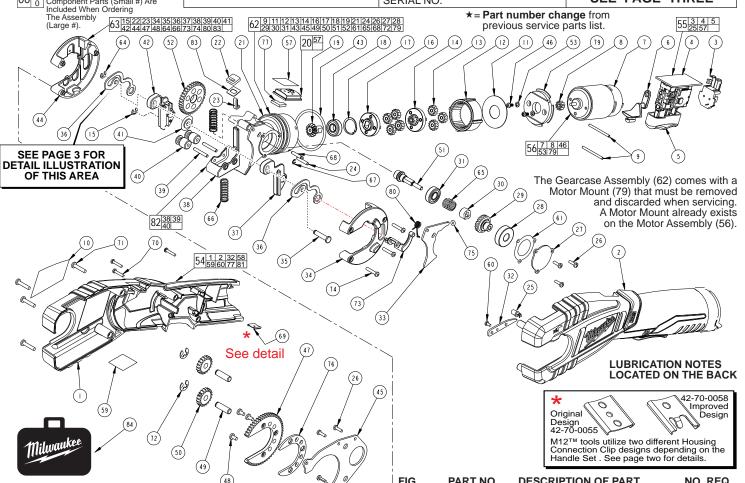
Milwaukee **SERVICE PARTS LIST** SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS DATE REVISED BULLETIN 54-27-2470 Feb. 2014 M12[™] Copper Tubing Cutter WIRING INSTRUCTION STARTING SERIAL NO Component Parts (Small #) Are Included When Ordering
The Assembly (2015)22|23|34 CATALOG NO. 2471-20 **B61B** SEE PAGE THREE **★= Part number change** from (Large #). previous service parts list. 20 57 (18) (19) (43) (12) (42) (83) (22) (21) (57) (11)



				i			
		(48)	J-2/	FIG. 42	PART NO.	DESCRIPTION OF PART	NO. REQ.
) during servicing, be		* 42	34-40-1900	Right Carriage Half O-Ring	\ \ \
sure to	put a drop of E	Blue Loctite® Type 242 on threads.		·		Cutter Head - Right	\i\
FIC	DART NO	DESCRIPTION OF DART	NO. REQ.	45		C Plate	(1)
FIG.	PART NO.	DESCRIPTION OF PART Right Handle	NO. REQ.	46		M3 x 6 Screw	(2)
2		Left Handle	\ <u>\</u> {	47	32-30-0156	Head Gear	(1)
3		Connector Block	\i\	48	05-80-0476	M3.5 x 8mm Flat Head Screw	(3)
4		PCBA	(1)	49 50		Axle Pin Idler Gear	(2)
5		Switch	(1)	51		Drive Axle	\ 2 \
6	31-52-0125	Reversing Lever	(1)	52		Drive Gear	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
7		Motor	(1)	53		M3 Washer	(2)
8	44.60.4520	Pinion	(1)	54	31-44-0246	Handle Set	(1)
9 10	44-60-1530 12-20-2470	Pin Service Nameplate Kit	(2)	55	23-66-0875	Switch PCBA	(1)
11	12-20-2470	Plate	\ <u>\</u> {	56	14-50-0205	Motor Assembly	(1)
12		Ring Gear	\ \ \	± 57	10-20-4420	Fuel Guage Label	(1)
13		Planet - 1st Stage	\ ' 7\	* 59 60	10-15-0955	Warning Label M2.6 x 5 Screw	(1)
14		Carriage - 1st Stage	(1)	61	43-44-0075	Gasket	\ \ \
15	42-70-0505	E Clip	(1)	62	14-29-0155	Gearcase Assembly	\ \ \
16		Carriage	(1)	63	43-64-0286	Cutter Head Assembly	\i\
17		Snap Ring	(1)	64	42-70-0500	E Clip	(1)
18 19		Bearing Bevel Pinion	(1)	65	40-50-0525	Clutch Spring	(1)
20	22-06-0130	Fuel Gauge Assembly	\ <u>\</u> {	66	40-50-0580	Carriage Spring	(2)
21	22-00-0130	Gearcase Housing	\ \ \	67	42-70-0525	E Clip	(1)
22	44-66-0825	Locking Plate	\i\	68	40.70.00EE	Pin Pivot	(1)
23		Lifter	(1)	69 70	42-70-0055 06-82-2385	Housing Connection Clip M2.6 x 14 Screw	(3)
24		Stop Pin	(1)	70	06-81-0005	M3.5 x 1.34 Screw	\ <u>3</u> \
25	23-28-0020	Service LED	(1)	72	42-70-0550	E Clip	(2)
26	06-82-5268	4-40 x 3/8" Pan Hd. Slt. Tapt. T-10	(6)	73	36-10-0840	Cam Shaft	(1)
27 28		Plate Cover	(1)	74	05-81-0245	4-40 x 5/8" Phillips Hd. Screw	(3)
20 29	32-05-0205	Bearing Bevel Gear	\ <u>\</u> {	75	34-40-1905	O-Ring	(1)
30	32-10-0240	Clutch Cam	\ \ \	76	32-30-0160	Head Gear Spacer	(1)
31		Bearing	\i\	77	42-28-0075	Rubber Block	(1)
32		Fixed Cam	(1)	79		Motor Mount	(1)
33	44-10-0490	Stop Lever	(1)	80	40-50-0605	Torsion Spring	(1)
34		Cutter Head - Left	(1)	82	43-72-0285	Roller Carriage Assembly	(1)
35	42-12-0210	Axle	(1)	83	45-36-0205	Locking Plate Spacer	(1)
36 37	40-50-0585	Cutting Spring	(2)	84	42-55-2471	Carrying Case, Optional	(1)
37 38		Left Carriage Half Roller Carriage	\ <u>\</u> {	1			()
39		Roller Pin	\ 2 \		IV	IILWAUKEE ELECTRIC TOOL CO	PRORATION
40		D "	\ <u>_</u> {			12125 W. Liphon Dood Drooks	ald MI 5200

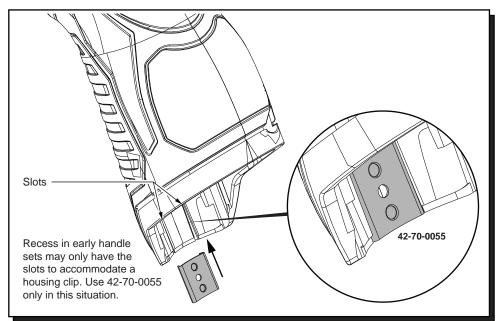
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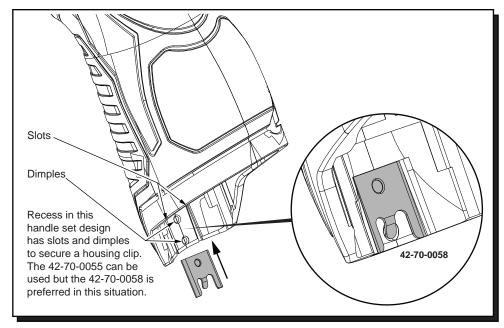
Roller

Cutting Wheel (Pkg. of 2)

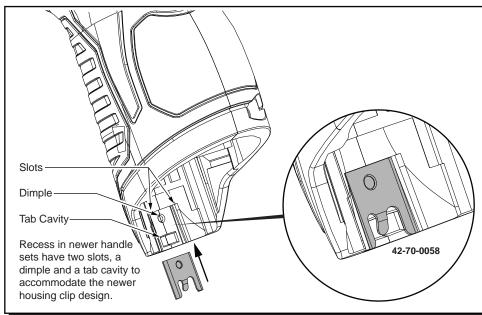
13135 W. Lisbon Road, Brookfield, WI 53005



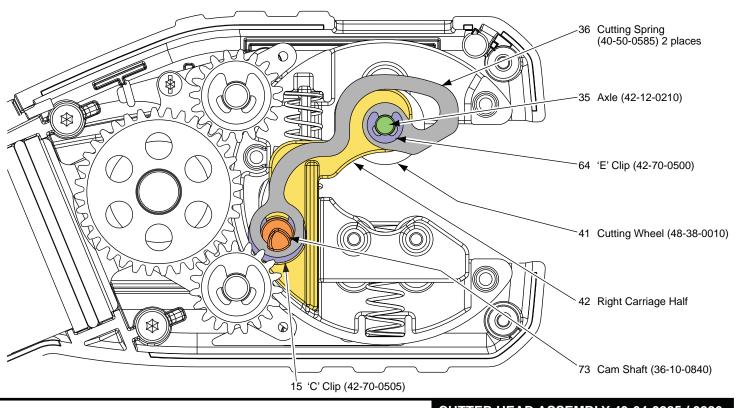
Early M12™ Handle Sets utilize Housing Connection Clip No. 42-70-0055. Install this clip design by aligning the side rails of the clip with the two slots in the handle set. Gently push into place with the aid of a small flat blade screwdriver or a similar instrument. Be sure that the clip is properly seated in both slots and that the clip is flush to sub-flush to the end of the handle set. To remove the clip, use the same small flat blade screwdriver or a similar instrument and push the clip out of the handle set. If the clip is loose or will not stay in place, a needle nose pliers can be used to gently bend/pinch the side rails of the clip. If the clip is damaged do not use, replace with a new 42-70-0055 housing clip.

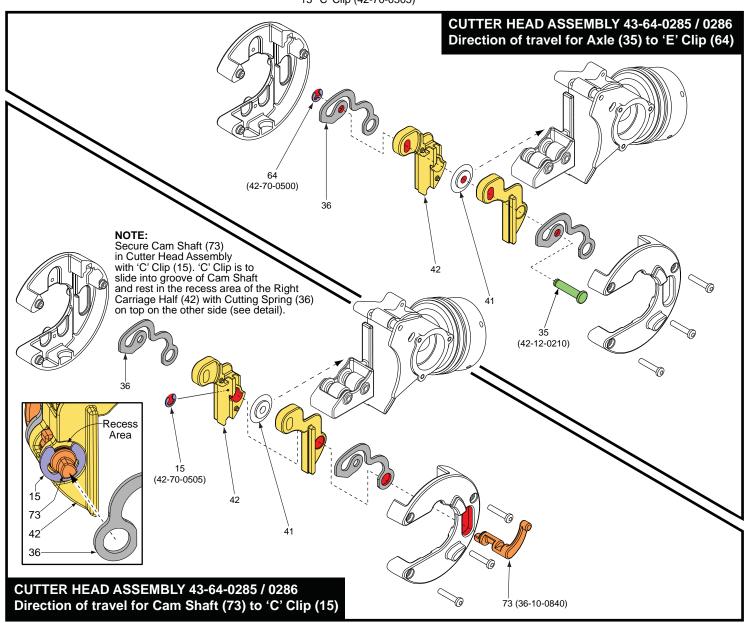


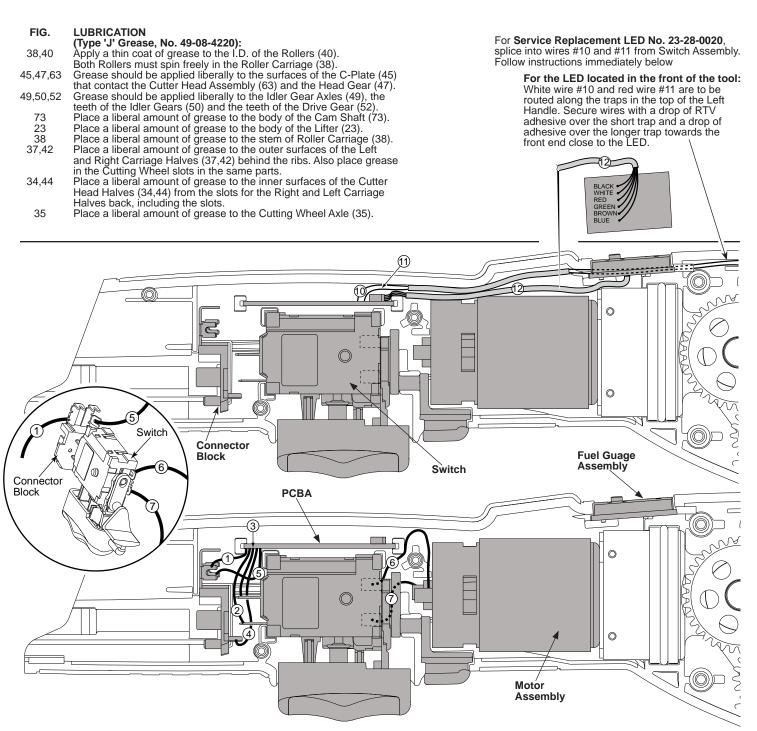
Updated M12™ Handle Sets utilize Housing Connection Clips No. 42-70-0055 and 42-70-0058. (The 42-70-0058 is a preferred upgrade). Install this clip design by aligning the side rails of the clip with the two slots in the handle set. Gently push into place with the aid of a small flat blade screwdriver or a similar instrument. Be sure that the clip is properly seated in both slots and that the tab of the clip snaps down in the round dimpled cavity of the handle set. Be sure that the clip is flush to sub-flush to the end of the handle set. To remove the clip, use the same small flat blade screwdriver or a similar instrument and lift up on the clip tab while pushing the clip out of the handle set. Use a needle nose pliers to gently rebend the clip tab if necessary. If the tab on the clip is damaged during this process and is loose or will not stay in place, replace with a new 42-70-0058 clip.



Newer M12™ Handle Sets utilize Housing Connection Clip No. 42-70-0058. Install this clip design by aligning the side rails of the clip with the two slots in the handle set. Gently push into place with the aid of a small flat blade screwdriver or a similar instrument. Be sure that the clip is properly seated in both slots and that the tab of the clip snaps down in the rectangular cavity of the handle set. Be sure that the clip is flush to sub-flush to the end of the handle set. To remove the clip, use the same small flat blade screwdriver or a similar instrument and lift the clip tab out of the cavity while pushing the clip out of the handle set. Use a needle nose pliers to gently rebend the clip tab if necessary. If the tab on the clip is damaged during this process and is loose or will not stay in place, replace with a new 42-70-0058 clip.







WIRING SPECIFICATIONS							
Wire No.	Wire Color	Origin or Gauge	Length	Terminals, Connectors and 1 or 2 End Wire Preparation			
1	Red	23-66-0875		Component of the Switch Assembly.			
2	White	23-66-0875		Component of the Switch Assembly.			
3	Blue	23-66-0875		Component of the Switch Assembly.			
4	White	23-66-0875		Component of the Switch Assembly.			
5	Black	23-66-0875		Component of the Switch Assembly.			
6	Red	14-50-0205		Component of the Motor Assembly.			
7	Black	14-50-0205		Component of the Motor Assembly.			
10	White	23-66-0875		Component of the Switch Assembly.			
11	Red	23-66-0875		Component of the Switch Assembly.			
12	Black	22-06-0130		Component of the Fuel Guage Assembly.			
12	White	22-06-0130		Component of the Fuel Guage Assembly.			
12	Red	22-06-0130		Component of the Fuel Guage Assembly.			
12	Green	22-06-0130		Component of the Fuel Guage Assembly.			
12	Brown	22-06-0130		Component of the Fuel Guage Assembly.			
12	Blue	22-06-0130		Component of the Fuel Guage Assembly.			

AS AN AID TO REASSEMBLY, TAKE NOTICE OF WIRE ROUTING AND POSITION IN WIRE GUIDES AND TRAPS WHILE DISMANTLING TOOL.

BE CAREFUL AND AVOID PINCHING WIRES BETWEEN HANDLE HALVES WHEN ASSEMBLING.