SERVICE PARTS LIST

Milwaukee

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS

M12[™] Copper Tubing Cutter

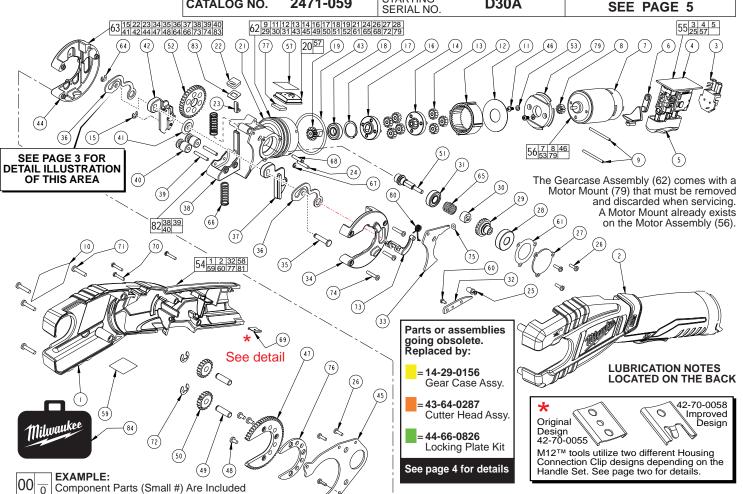
CATALOG NO. 2471-059 STARTING SERIAL NO

D30A

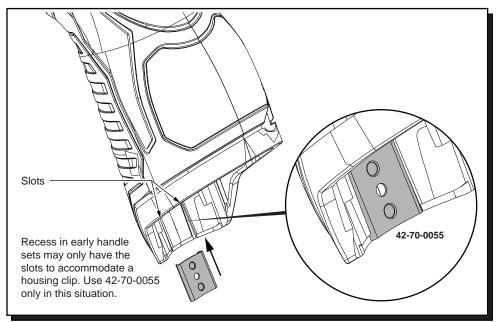
REVISED BULLETIN

May 2014 WIRING INSTRUCTION

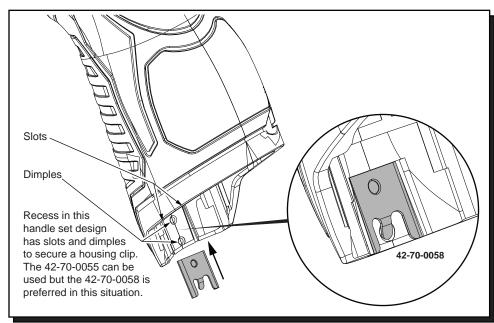
DATE



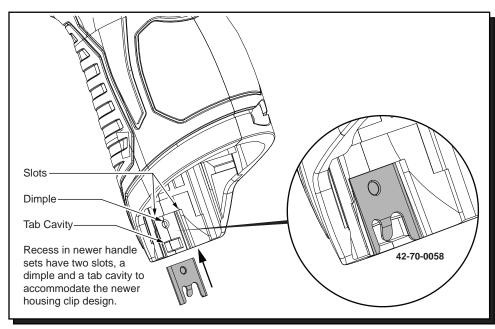
00 0	When Ordering	rarts (Small #) Are Includeding The Assembly (Large #).			FIG. 42	PART NO.	DESCRIPTION OF PART Right Carriage Half	NO. REQ.
FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.	<u>``\</u>	43	34-40-1900	O-Ring	\ \ \
1 1	PARTINO.	Right Handle	NO. KEQ.	\ \	44		Cutter Head - Right	\i\
		Left Handle	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		45		C Plate	\i\
2		Connector Block	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		46		M3 x 6 Screw	(2)
4		PCBA	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		★ 47	32-30-0156	Head Gear	(1)
		Switch	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		★ 48	05-80-0476	4-40 x 1/4" Flat Head Screw	(3)
5 6	31-52-0125	Reversing Lever	\\\\\\		49		Axle Pin	(2)
7		Motor	\ \ \		50		Idler Gear	(3) (2) (2) (1)
8		Pinion	\i\		51		Drive Axle	(1)
9	44-60-1530	Pin	\ <u>2</u> {		52		Drive Gear	(1)
10		Service Nameplate Kit	\ 1 \		53		M3 Washer	(2)
11		Plate	\i\		54	31-44-0246	Handle Set	(1)
12		Ring Gear	(1)		55	23-66-0875	Switch PCBA	(1)
13		Planet - 1st Stage	(7)		56	14-50-0205	Motor Assembly	(1)
14		Carriage - 1st Stage	(1)		57	10-20-4420	Fuel Guage Label	(1)
15	42-70-0505	E Clip	(1)		59	10-15-0955	Warning Label	(1)
16		Carriage	(1)		60	40.44.0075	M2.6 x 5 Screw	(1)
17		Snap Řing	(1)		61	43-44-0075	Gasket	(1)
18		Bearing	(1)		62	14-29-0155	Gearcase Assembly	(1)
19		Bevel Pinion	(1)		★ 63	43-64-0286	Cutter Head Assembly	(1)
20	22-06-0130	Fuel Gauge Assembly	(1)		64 65	42-70-0500	E Clip	(1)
21		Gearcase Housing	(1)		66	40-50-0525 40-50-0580	Clutch Spring	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
22	44-66-0825	Locking Plate	(1)		67	42-70-0525	Carriage Spring E Clip	\ 2 \
23		Lifter	(1)		68	42-70-0323	Pin Pivot	\\\ \\\
24	00.00.0000	Stop Pin	(1)		69	42-70-0055	Housing Connection Clip	\ \ \
25 26	23-28-0020	Service LED	(1)		70	06-82-2385	M2.6 x 14 Screw	(3)
26 27	06-82-5268	4-40 x 3/8" Pan Hd. Slt. Tapt. T-10 Plate Cover	(6)		71	06-81-0005	M3.5 x 1.34 Screw	\ <u>\</u>
27 28		Bearing	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		72	42-70-0550	E Clip	(4) (2)
29	32-05-0205	Bevel Gear	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		73	36-10-0840	Cam Shaft	(1)
30	32-10-0240	Clutch Cam	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		74	05-81-0245	4-40 x 5/8" Phillips Hd. Screw	(3)
31	32-10-0240	Bearing	\\\\\\		75	34-40-1905	O-Ring	
32		Fixed Cam	\ \ \		76			(1) (1)
33	44-10-0490	Stop Lever	\i\			32-30-0160	Head Gear Spacer	(/
34		Cutter Head - Left	\i\		77	42-28-0075	Rubber Block	(1)
35	42-12-0210	Axle	\i\		79		Motor Mount	(1)
35 36	40-50-0585	Cutting Spring	\2\		80	40-50-0605	Torsion Spring	(1)
37		Left Carriage Half	(1)		82	43-72-0285	Roller Carriage Assembly	(1)
38		Roller Carriage	(1)		83	45-36-0205	Locking Plate Spacer	(1)
39		Roller Pin	(2)		84	42-55-2471	Carrying Case, Optional	(1)
40		Roller	(2) (2) (1)				, , , ,	` '
41	48-38-0010	Cutting Wheel (Pkg. of 2)	(1)			IV	IILWAUKEE ELECTRIC TOOL CO	KPOKATION



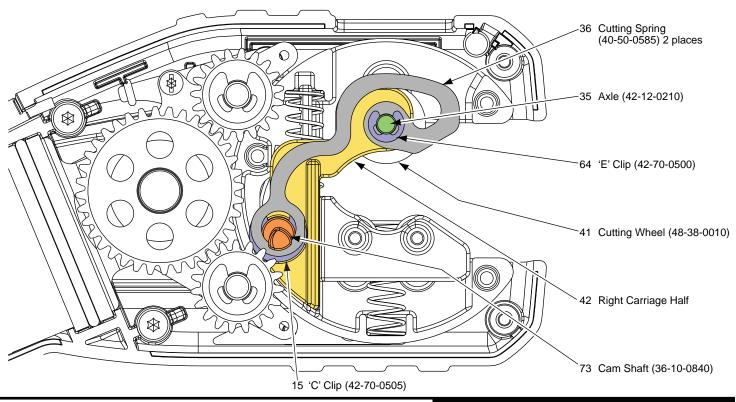
Early M12™ Handle Sets utilize Housing Connection Clip No. 42-70-0055. Install this clip design by aligning the side rails of the clip with the two slots in the handle set. Gently push into place with the aid of a small flat blade screwdriver or a similar instrument. Be sure that the clip is properly 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.

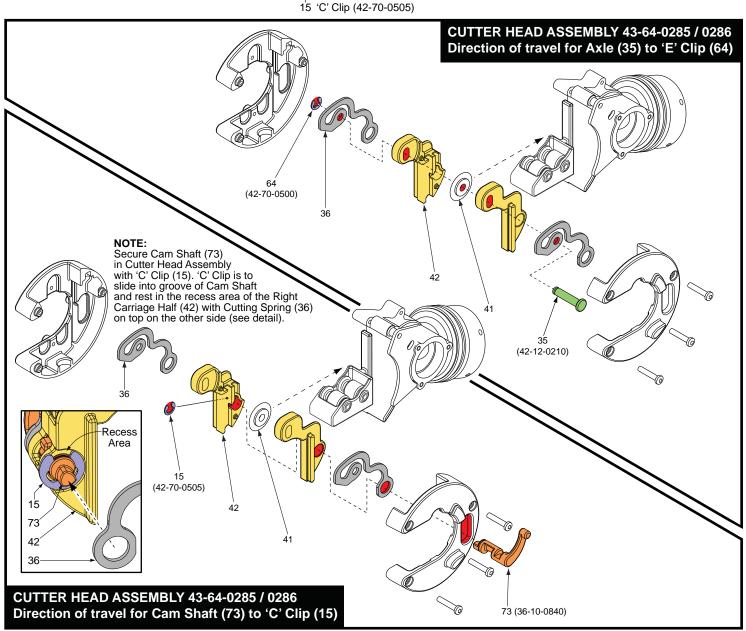


Updated M12™ Handle Sets utilize Housing Connection Clips No. 42-70-0055 and 42-70-0058. (The 42-70-0058 is a preferred upgrade). Install this clip design by aligning the side rails of the clip with the two slots in the handle set. Gently push into place with the aid of a small flat blade screwdriver 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.

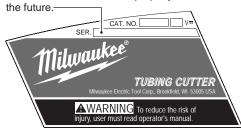


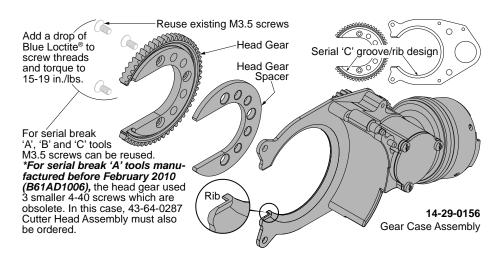


14-29-0156 GEAR CASE ASSEMBLY

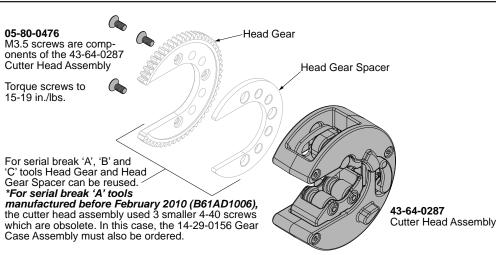
NOTE

The installation of this service kit upgrades your 2471-XX, M12[™] Copper Tubing Cutter to the latest serial break design. It is recommended to use a Sharpie or equivalent <u>indelible marker</u> to record '<u>B61C</u>' (for 2471-20) or '<u>D30B</u>' (for 2471-059) in the serial number box. This should be done to assure that the tool can be properly serviced in

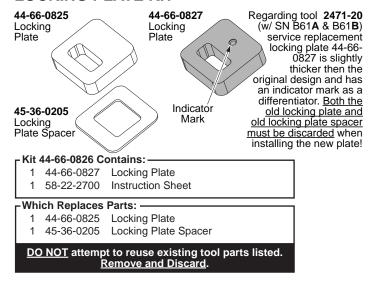


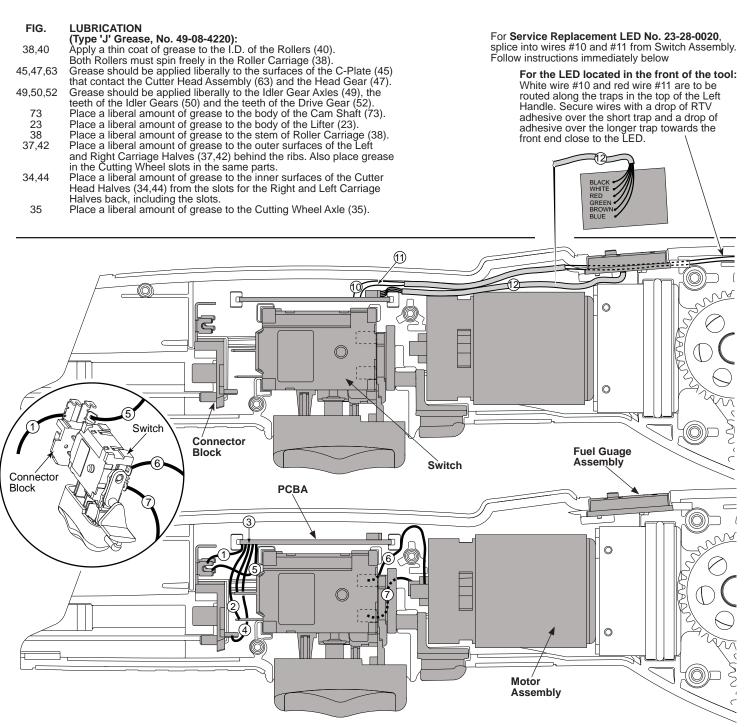


43-64-0287 CUTTER HEAD ASSEMBLY



44-66-0826 LOCKING PLATE KIT





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.