## **SERVICE PARTS LIST**

Milwaukee

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS

M12<sup>™</sup> Brushless 1/4" Hex Impact Driver

**CATALOG NO.** 2453-20

STARTING SERIAL NO

E51B

REVISED BULLETIN DATE 54-26-2480 Feb. 2014
WIRING INSTRUCTION

SEE PAGE 3

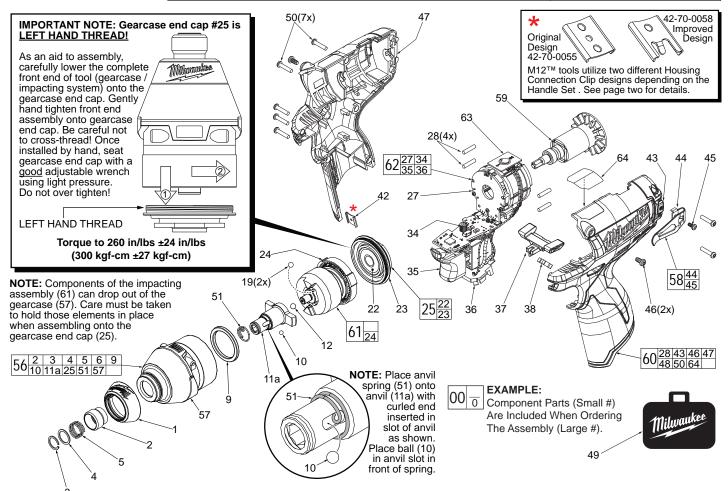
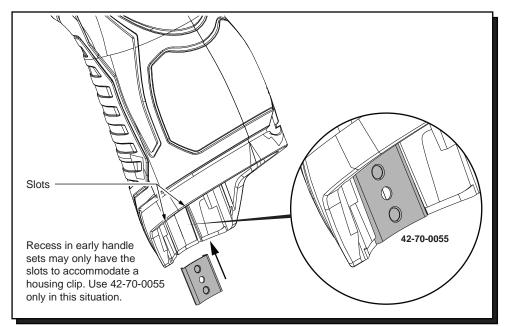
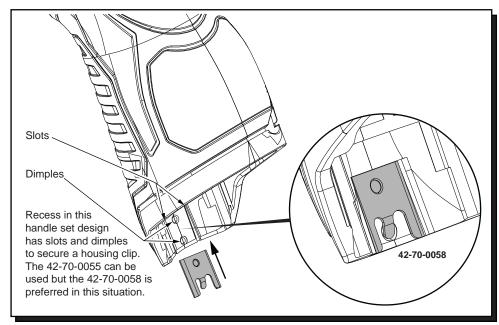


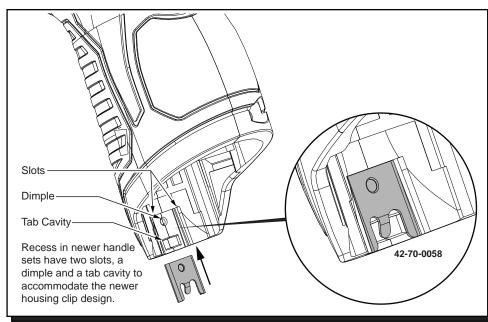
FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.	FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
1	31-12-0575	Rubber Cap	(1)	47		Right Handle Halve	(1)
2	45-22-2653	Sleeve	(1)	48	12-20-2435	Service Nameplate (Not Shown)	(1)
3	34-60-0725	Retaining Ring	(1)	49	42-55-1060	Carrying Case	(1)
4	45-88-1880	Washer	(1)	50	06-82-7236	4-20 x 5/8" Pan Hd. Plastite T-10 S	cr (7)
5	40-50-1470	Spring	(1)	51	40-50-0012	Anvil Spring	(1)
6		Anvil Bushing (Not Shown)	(1)	56	14-30-1170	Gearcase Assembly	(1)
9	45-88-2135	Plastic Washer	(1)	57	28-50-0920	Front Gearcase with Bushing	(1)
10	02-02-0170	3.5mm Steel Ball	(1)	58	42-70-0490	Belt Clip Assembly	(1)
11a	42-06-0720	1/4" Hex Anvil	(1)	59	16-07-0420	Rotor Assembly	(1)
12	02-02-1300	5mm Steel Ball	(1)	60	31-44-2453	Handle Assembly	(1)
19	02-02-0180	4.7mm Steel Ball	(2)	61	14-30-1200	Impacting Assembly	(1)
22		Ball Bearing	(1)	62	14-20-1520	Electronics Assembly	(1)
23		Gearcase End Cap	(1)	63	23-66-2455	POP Switch	(1)
24		Ring Gear	(1)	64	10-20-2845	Spanish/French Warning Label	(1)
25	44-66-1065	Gearcase End Cap Assembly	(1)	FIG.	LUBRICATION (Type 'J' Grease, No. 49-08-4220):		
27		Stator Assembly	(1)	FIG.			
28	45-30-0300	Rubber Slug	(4)		(1)   0   0   0   0	400, 1101 10 00 1220).	
34		PCBA	(1)	10,11a	Lightly coat front washer surface of anvil (11a) with grease, place a dab in the ball slot of anvil.		
35		On-Off Switch	(1)				
36		Terminal Block Assembly	(1)	24,61	Lightly coat the I.D. of the ring gear (24) and the center of the planet gears of impacting assembly with grease.		
37	45-24-0810	Fwd/Rev Shuttle	(1)	24,01			
38	40-50-1135	Spring	(1)		the planet got	are or impacting accomisty with group	0.
42	42-70-0055	Housing Connection Clip	(1)	57	Coat inside of bushing inside front gearcase with grease.		
43		Left Handle Halve with Fuel Gauge	(1)	50	0-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		
44	42-70-0580	Belt Clip	(1)	59	Coat pinion of rotor assembly (59) with grease.		
45		Belt Hook Screw	(1)		MILWAUKEE ELECTRIC TOOL CORPORATION		
46	06-82-1090	M3 x 7mm Pan Hd. Plastite Screw	(2)			13135 W. Lisbon Road, Brookfiel	d, WI 53005 Drwg. 2



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.

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

