(1)

## **SERVICE PARTS LIST**

Milwaukee

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS

12 Volt PVC Shear

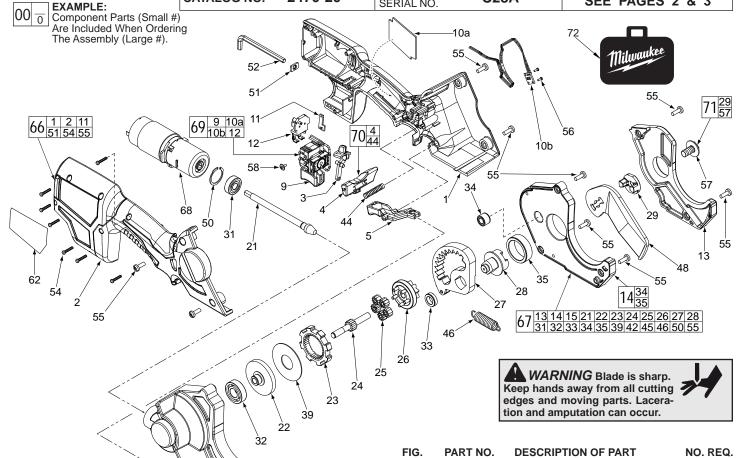
CATALOG NO. 2470-20

STARTING SERIAL NO.

**C28A** 

REVISED BULLETIN DATE June 2015

WIRING INSTRUCTION
SEE PAGES 2 & 3



15<sup>33</sup>

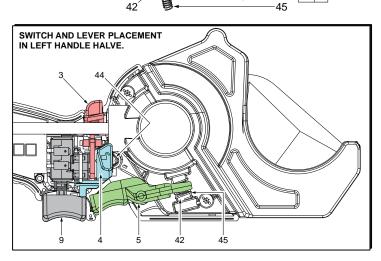


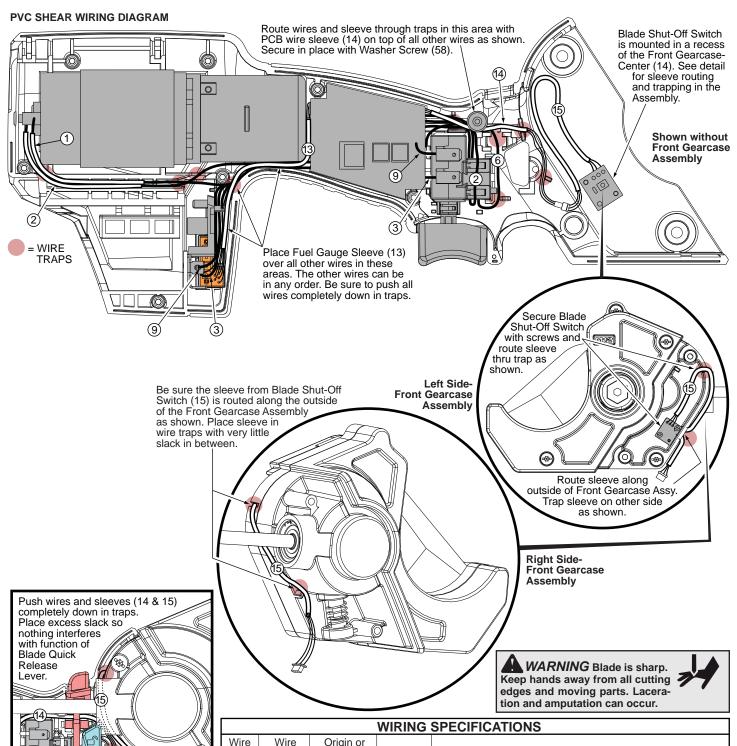
FIG. 1 2 3 4 5 9 10a 10b 11 12 13 14	42-42-0640 	DESCRIPTION OF PART Handle Halve - Left Handle Halve - Right Forward / Reverse Lever Lockout Lever Blade Quick Release Lever Switch PC Board Blade Shut-Off Switch Fuel Gauge Terminal Block Assembly Front Gearcase - Left Front Gearcase - Center	NO. REQ. (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
14 15	28-14-2345 28-14-2350	Front Gearcase - Center Front Gearcase - Right	(1) (1)

22		Spiral Bevel Gear	(1)		
23		Ring Gear	(1)		
24		Shaft with Pinion	(1)		
25		Planet Gears	(5)		
26		Carriage Gear	(1)		
27		Internal Gear	(1)		
28	32-75-3500	Blade Hub Spindle	(1)		
29	43-72-0560	Blade Holder	(1)		
31		Ball Bearing	(1)		
32	02-04-1210	Ball Bearing	(1)		
33		Blade Hub Bushing	(1)		
34		Bushing	(1)		
35		Blade Hub Bushing	(1)		
39		Washer	(1)		
42	44-50-0300	Blade Quick Release Pin	(1)		
44	40-50-0270	Compression Spring	(1)		
45	40-50-1980	Blade Quick Release Spring	(1)		
46	40-50-1650	Blade Extension Return Spring	(1)		
48	48-44-0405	PVC Cutter Blade Replacement	(1)		
50		Inverted Retaining Ring	(1)		
51		Hex Key Retainer	(1)		
52			(1)		
54			(7)		
55			(9)		
56	05-89-0600	0-80 x .14" Screw	(2)		
57		5/16 x 1/2" Screw	(1)		
58	05-81-0535		(1)		
62	12-20-2472		(1)		
66	31-44-2285	Handle Halve Kit	(1)		
67	14-30-1020	Front Gearcase Assembly	(1)		
68	23-30-0800	Motor & Rear Gearcase Assembly	(1)		
69	23-66-3090	Switch Assembly	(1)		
70	31-76-0200	Lockout Shuttle Assembly	(1)		
71	43-72-0700	Drive Attachment	(1)		
72	42-55-2470	Carrying Case	(1)		
ADDITIONAL SERVICE NOTES AND WIDING					

**Bevel Pinion Shaft** 

## ADDITIONAL SERVICE NOTES AND WIRING LOCATED ON PAGES 2, 3 & 4 OF BULLETIN

MILWAUKEE ELECTRIC TOOL CORPORATION 13135 W. Lisbon Road, Brookfield, WI 53005 Drwg. 3

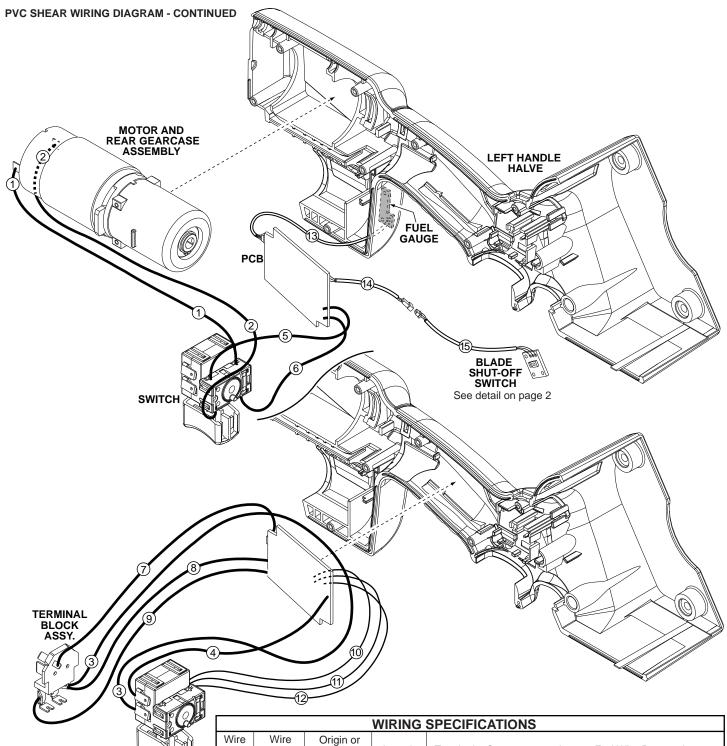


| Blade Quick Release Lever.

NOTE: SWITCH ASSEMBLY (23-66-3090) CONSISTS OF: SWITCH, PC BOARD, BLADE SHUT-OFF SWITCH AND TERMINAL BLOCK ASSEMBLY.

> FUEL GAUGE IS A COMPONENT OF HANDLE HALVE KIT (31-44-2285).

WIRING SPECIFICATIONS				
Wire No.	Wire Color	Origin or Gauge	Length	Terminals, Connectors and 1 or 2 End Wire Preparation
1	Red	Motor Assy.		Connect from Motor (positive terminal) to Switch.
2	Black	Motor Assy.		Connect from Motor (negative terminal) to Switch.
3	Red	Switch Assy.		Attached to the Switch and Terminal Block.
4	Black	Switch Assy.		Attached to the Switch and the PC Board.
5	Red	Switch Assy.		Attached to the Switch and the PC Board.
6	White	Switch Assy.		Attached to the Switch and the PC Board.
7	White	Switch Assy.		Attached to the PC Board and the Terminal Block.
8	Red	Switch Assy.		Attached to the PC Board and the Terminal Block.
9	Black	Switch Assy.		Attached to the PC Board and the Terminal Block.
10	Yellow	Switch Assy.		Attached to the Switch and the PC Board.
11	Blue	Switch Assy.		Attached to the Switch and the PC Board.
12	Black	Switch Assy.		Attached to the Switch and the PC Board.
13		Fuel Gauge		Attach connector end of 5 wire sleeve to PC Board.
14		Switch Assy.		Attach connector end of 3 wire sleeve on PC Board to the
				corresponding connector on the Blade Shut-Off Switch.
15		Switch Assy.		Attach connector end of 3 wire sleeve on Blade Shut-Off
				Switch to the corresponding connector on the PC Board.



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.

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s	4	Black	Switch Assy.		Attached to the Switch and the PC Board.	
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