SERVICE PARTS LIST

Milwaukee CATALOG NO.

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS

12 Volt PVC Shear

STARTING SERIAL NO. 2470-20

C28B

REVISED BULLETIN DATE Oct. 2013 54-27-2480

> WIRING INSTRUCTION SEE PAGES 2 & 3

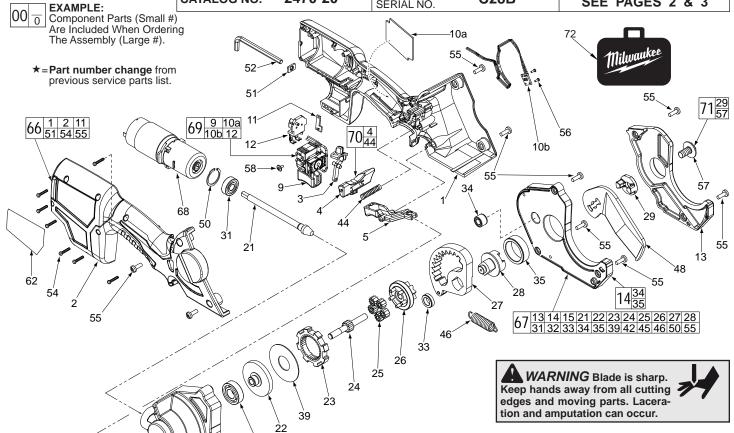
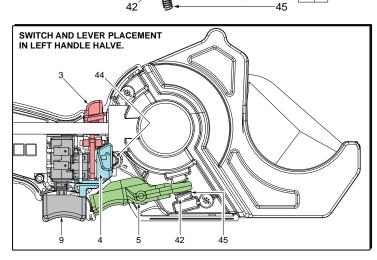


FIG.

PART NO.



<u>3</u>2

15³³

FIG .	PART NO.	DESCRIPTION OF PART Handle Halve - Left	NO. REQ. (1)
2		Handle Halve - Right	(1)
3	42-42-0640	Forward / Reverse Lever	(1)
4		Lockout Lever	(1)
5	44-10-0750	Blade Quick Release Lever	(1)
9		Switch	(1)
10a		PC Board	(1)
10b	23-66-2005	Blade Shut-Off Switch	(1)
11		Fuel Gauge	(1)
12		Terminal Block Assembly	(1)
13	28-14-2340	Front Gearcase - Left	(1)
14	28-14-2345	Front Gearcase - Center	(1)
15	28-14-2350	Front Gearcase - Right	(1)

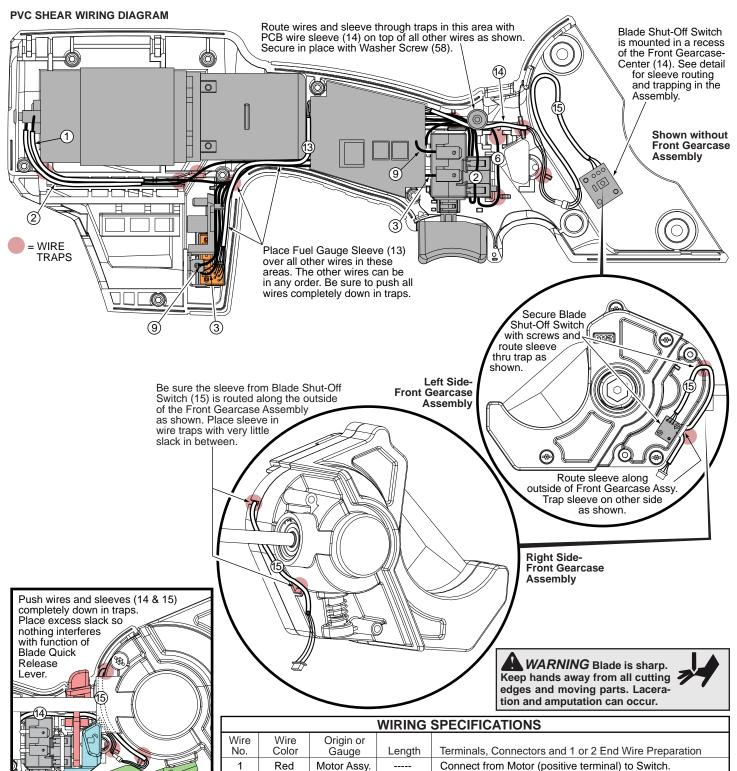
rig.	PARTINO.	DESCRIPTION OF PART	NO. KEG
21		Bevel Pinion Shaft	(1)
22		Spiral Bevel Gear	(1)
23		Ring Gear	(1)
24		Shaft with Pinion	(1)
25		Planet Gears	(5)
26		Carriage Gear	(1)
27		Internal Gear	(1)
28	32-75-3500	Blade Hub Spindle	(1)
29	43-72-0560	Blade Holder	(1)
31		Ball Bearing	(1)
32	02-04-1210	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	48-44-0400	PVC Cutter Blade Replacement	(1)
50		Inverted Retaining Ring	(1)
51	44-86-0650	Hex Key Retainer	(1)
52	45-96-0325	3/16" Hex Key	(1)
54	06-82-2385	M2.6 x 14mm T-8 Screw	(7)
55	06-82-2380	8-32UNC x .472" T-20 Screw	(9)
56	05-89-0600	0-80 x .14" Screw 5/16 x 1/2" Screw	(2)
57		5/16 x 1/2" Screw	(2) (1)
58	05-81-0535	M2.3 Washer Screw	(1)
62	12-20-2472	Service Nameplate	(1)
★ 66	31-44-2290	Handle Halve Kit	(1)
67	14-30-1020	Front Gearcase Assembly	(1)
68	23-30-0800	Motor & Rear Gearcase Assembly	(1)
★ 69	23-66-3095	Switch Assembly	(1)
★ 70	31-76-0210	Lockout Shuttle Assembly	(1)
71	43-72-0700	Drive Attachment	(1)
72	42-55-2470	Carrying Case	(1)
	.2 00 2 170		(.)

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. 2

DESCRIPTION OF PART

NO. REQ.

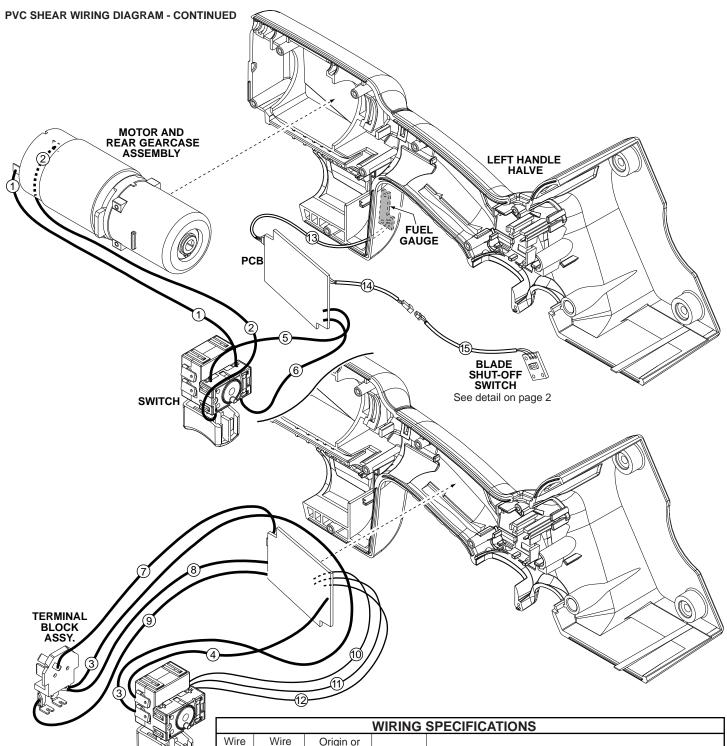


Blade Quick Release Lever.

NOTE: SWITCH ASSEMBLY
(23-66-3095) CONSISTS OF:
SWITCH, PC BOARD,
BLADE SHUT-OFF SWITCH AND
TERMINAL BLOCK ASSEMBLY.

FUEL GAUGE IS A COMPONENT OF HANDLE HALVE KIT (31-44-2290).

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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SWITCH, PC BOARD,
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7	White	Switch Assy.		Attached to the PC Board and the Terminal Block.		
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	lo. 1 2 3 4 5 6 7 8 9 10 11 12 13 14	10. Color 1 Red 2 Black 3 Red 4 Black 5 Red 6 White 7 White 8 Red 9 Black 10 Yellow 11 Blue 12 Black 13 14	fire Wire Color Gauge 1 Red Motor Assy. 2 Black Motor Assy. 3 Red Switch Assy. 4 Black Switch Assy. 5 Red Switch Assy. 6 White Switch Assy. 7 White Switch Assy. 8 Red Switch Assy. 9 Black Switch Assy. 10 Yellow Switch Assy. 11 Blue Switch Assy. 12 Black Switch Assy. 13 Fuel Gauge	fire Wire Color Origin or Gauge Length 1 Red Motor Assy. 2 Black Motor Assy. 3 Red Switch Assy. 4 Black Switch Assy. 5 Red Switch Assy. 6 White Switch Assy. 7 White Switch Assy.		

