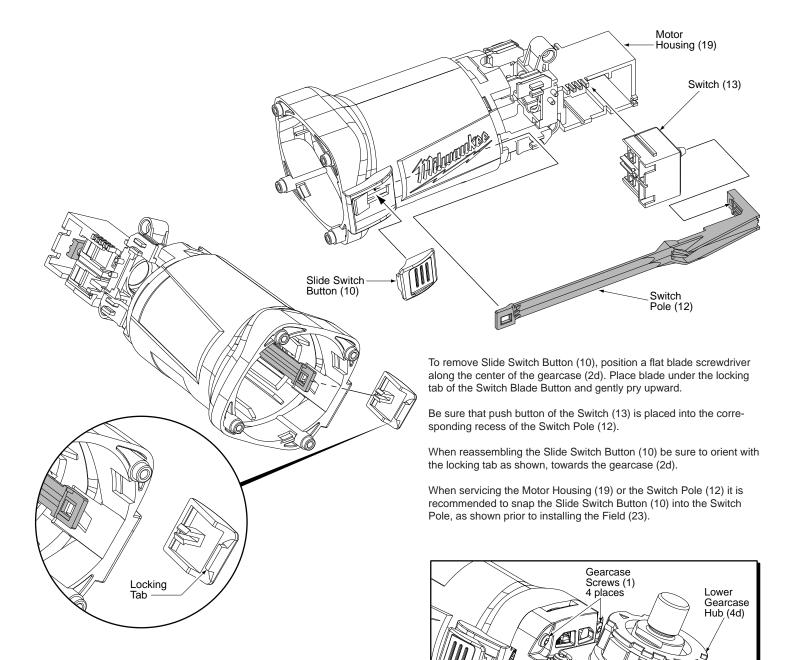
Milwauke	®	SERVIC	E PAF		т		LETIN NO. -38-1791
1111111	SPECIFY CATAL	OG NO. AND SER				REVISED BULLETIN 55-38-1790	DATE Nov. 2014
*=Part number change from	4.5" CATALOG NO.	(115mm) A 6148-59		NG	K C42B	WIRING INSTRU	
previous service parts list.	00 0 EXAMPLE: Component R Are Included The Assemble 2 2a 2b 2c 2d 2e 2f 2g 2h 5 2x 28		-	PART NO. 23-38-0020 44-76-0210 22-64-4032 31-50-3370 12-20-0243 22-16-0070 05-88-1100 18-04-0185 42-14-0495 05-88-1290	DESCRIPTION Capacitor Asse Cord Protector Cordset Motor Housing Nameplate Carbon Brush M3 x 10 Pan H Service Field Fan Baffle M4 x 76 Pan H	Assembly d. T-10 Screw	NO. REQ. (1) (1) (1) (1) (1) (2) (2) (1) (1) (2) (1) (1) (2) (1)
2f 31 30 $2h$	29	27c 25	26	31-53-0240 • Functio Pin (2f) in Gear	Rubber Plug nally check Spino must return brisk (4a).	dle lock Mechanism. S dy when released from	()
4a 33 ^{4a} 4b 33 ³⁰	27 <mark>27a27b 27c27d</mark> 21	27b	O O	• Orient I	earing (27a) as s stalling. Ma rests	7d) with shoulder facir hown. Exercise cautio ike sure that the Insula s against commutator h visable gap.	n when in- ation Disc
4c 26	22 24	22	27a 24 20 16	23		 Rubber Plug (26) is in a cavity by the better back of Motor Ho Orient the Needle Besuch that vendor I.D 	aring bore in busing (19). earing (2g) . is facing the
$\begin{array}{c} 4x \\ 4x \\ 4x \\ 6 \end{array}$				15b	15 <u>15a</u> 15 <u>15b</u> 4x	 Gear (4a). Press flug from the surface of 0 Press the Carbon Bi (21) into slot of Moto Secure with screw (2 3-6 in./lbs. 	sh ±.25mm Gearcase (2d). rush Assembly or Hsg. (19).
	and the second s					 Add a few drops of I 277 to threads of Sp Tube (2c) prior to as O-Ring (2e) must be against flange of Pir assemt 	vindle lock sembly. e bottomed a (2f) prior to
	SEE ADDITIONAL NOTES ON NEX		18.	17		Press E (27a) o shaft ur	Ball Bearing nto armature ntil seated t shoulder.
2 14-29-0310 Gearcase Asse 2a 42-42-0590 Spindle Lock E 2b 40-50-1330 Spring 2c 42-42-0580 Spindle Lock T 2d	Hd. ST T-20 Screw embly utton ube in J	NO. REQ. (8) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	27 27a 27b 27c 27d 28 29 30 31 32 33	05-88-1280 44-66-0450 05-55-0620 43-54-1070 14-29-0025 42-62-0110 49-96-0015		ure Assembly d. T-20 Screw er d lot Shown) ch (Not Shown)	NO. REQ. (1) (1) (1) (1) (2) (1) (1) (1) (1) (1) (1) (1) (1
4b 34-80-2275 Retaining Ring 4c 02-04-1150 Ball Bearing 4d 28-53-0410 Gearcase Cov 4e 38-50-0130 M14 Output St 5 05-90-0225 Spring Washer 6 05-88-1210 M4 x 14 Pan H 7 43-05-0055 Inner Disc Flar 8 44-40-0125 Outer Disc Flar 10 31-92-0430 Slide Switch B 11 10-15-0023 Warning Label 12 31-92-0470 Switch Pole	er laft d. T-20 Screw ige ige	(1) (1) (1) (6) (4) (1) (1) (1) (1) (1)	Ge nev FIC 4a,3 2d,2	arcase (2d), 9 w grease bein 5. LUBRICA 30 Type "Y" (To All Gea 2e Lightly co	0-95% of the old g added. \TION (*See lubri Grease, No. 49-0 ar Teeth. at with grease O	vicing the Gears (4a & grease must be remo- ication note above): 8-5270, Must Be Appli -Ring and bearing bore	ved prior to ed e in Gearcase.
13 23-66-2665 Switch ★ 15 31-44-5000 Rear Handle A ★ 15a	upport	(1) (1) (1) (1) (1)	20	I .4 Ounces	MILWAUKEE	e "Y" Grease, No. 49- ELECTRIC TOOL CC Lisbon Road, Brookfi	RPORATION

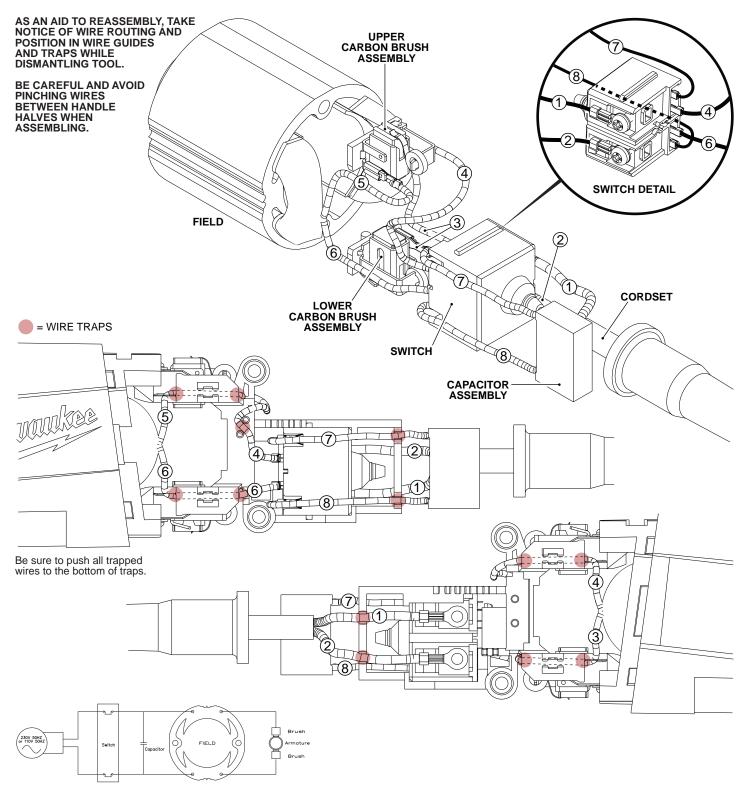


When servicing the Gearcase (2d), first remove the four Screws (1)
and Lower Gearcase Hub (4d) to prevent damage to the bottom two
 Screws (6) that secure the Gearcase.

Gearcase (2d)

Lower Gearcase Hub Screws (6) 4 places

	SCREW / CHUCK TORQUE CHART					
			Seat T	orque		
Fig.	Number	Description	(kgcm)	(inlbs.)		
1	05-88-1255	Used on front of Gearcase (2d)	14-20	12-17		
1	05-88-1255	Used on Rear Handle Cover (15b) to				
		secure Cordset (18) area	16-21	14-18		
1	05-88-1255	Used on Rear Handle Cover (15b) to				
		secure to Motor Housing (19)	13-17	11-15		
6	05-88-1210	Used to secure Gearcase Cover (4d)				
		to bottom of Gearcase (2d)	14-20	12-17		
22	05-88-1100	Used to secure Brush Assy. (21)	3-6	3-6		
25	05-88-1290	Used to secure Field (23)	14-20	12-17		
28	05-88-1280	Used to secure Bearing Retainer (29)	12-20	12-17		
31	05-55-0620	Hex Nut on Armature (27b)	55-65	47-56		



WIRING SCHEMATIC

	WIRING SPECIFICATIONS				
Wire No.	Wire Color	Origin or Part No.	Gauge	Length	Terminals, Connectors and End Wire Preparation
1	Blue	22-64-4030			Component of cord set. Connect to top position on side of switch.
2	Brown	22-64-4030			Component of cord set. Connect to bottom position on side of switch.
3	Red	18-04-0185			Component of field. Connect to lower carbon brush assembly.
4	Black	18-04-0185			Component of field. Connect to front of switch, see detail.
5	White	18-04-0185			Component of field. Connect to upper carbon brush assembly.
6	Black	18-04-0185			Component of field. Connect to front of switch, see detail.
7	Black	23-38-0020			Component of capacitor assembly. Connect to front of switch, see detail.
8	Black	23-38-0020			Component of capacitor assembly. Connect to front of switch, see detail.
	BULK LEAD WIRE - BULLETIN 58-01-0003				