## SERVICE PARTS LIST

Milwankee SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS DATE **REVISED BULLETIN** Nov. 2014 (115mm) ANGLE GRINDER WIRING INSTRUCTION STARTING SERIAL NO 6148-59A CATALOG NO. C43A SEE PAGE 3 **EXAMPLE:** FIG. PART NO. DESCRIPTION OF PART

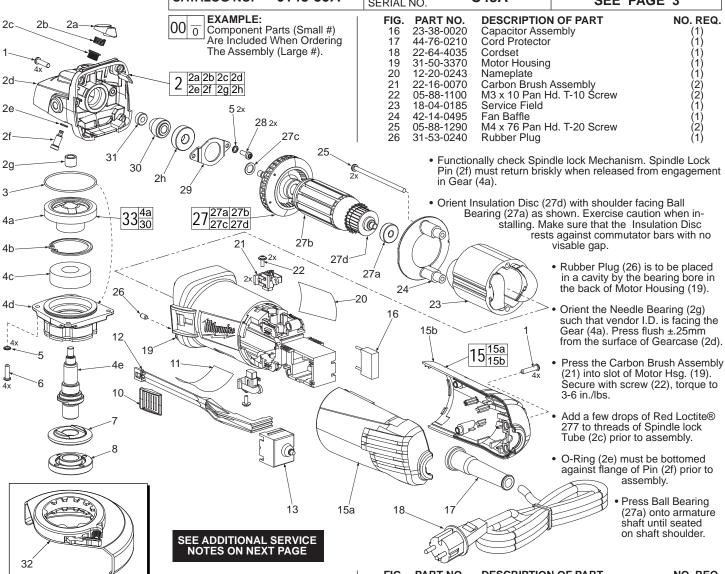


FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
1	05-88-1255		(8)
2	14-29-0310	Gearcase Assembly	(1)
2a	42-42-0590	Spindle Lock Button	(1)
2b	40-50-1330	Spring	(1)
2c	42-42-0580	Spindle Lock Tube	(1)
2d		Gearcase	(1)
2e	34-40-0450	O-Ring	(1)
2f	42-60-1660	Spindle Lock Pin	(1)
2g	02-50-0025	Needle Bearing	(1)
2h	02-04-0620	Ball Bearing	(1)
3	34-40-0180	O-Ring	(1)
4a		Spiral Bevel Gear	(1)
4b	34-80-2275		(1)
	02-04-1150		(1)
4d	28-53-0410		(1)
4e	38-50-0130	M14 Output Shaft	(1)
5 6 7	05-90-0225		(6)
6	05-88-1210		(4)
7	43-05-0055		(1)
	44-40-0125		(1)
	31-92-0430		(1)
	10-15-0023		(1)
	31-92-0470		(1)
	23-66-2665		(1)
	31-44-0386		(1)
	31-50-0405		(1)
15b	31-50-0415	Rear Handle Cover	(1)

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
27	16-04-0180	Service Armature Assembly	(1)
27a	02-04-2110	Ball Bearing	(1)
27b		Armature	(1)
27c	45-88-0406	Washer	(1)
27d	43-86-0010	Insulator Ring	(1)
28	05-88-1280	M4 x 10 Pan Hd. T-20 Screw	(2)
29	44-66-0450	Bearing Retainer	(1)
30		Bevel Pinion	(1)
31	05-55-0620	M5 Hex Nut	(1)
32	43-54-1070	4.5" T27 Guard	(1)
33	14-29-0025	Gear Set	(1)
	42-62-0110	Side Handle (Not Shown)	(1)
	49-96-0015	Spanner Wrench (Not Shown)	(1)

\*LUBRICATION NOTE: When servicing the Gears (4a & 30) or the Gearcase (2d), 90-95% of the old grease must be removed prior to new grease being added.

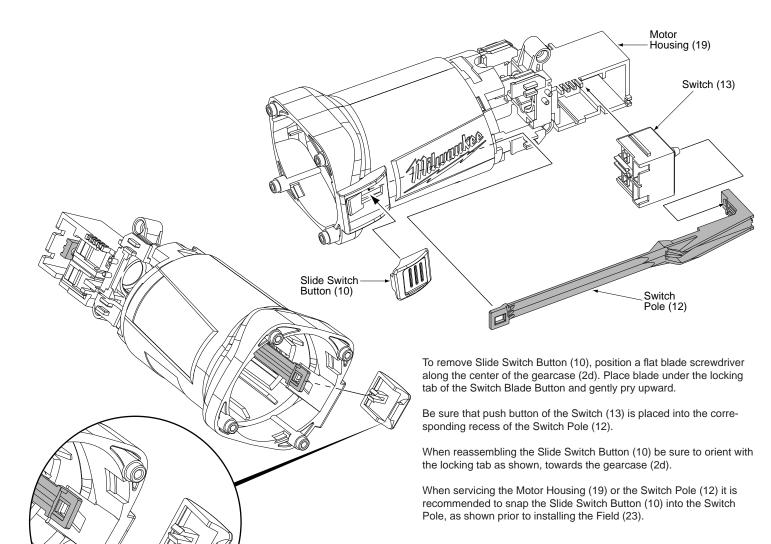
**LUBRICATION** (\*See lubrication note above): FIG.

4a,30 Type "Y" Grease, No. 49-08-5270, Must Be Applied To All Gear Teeth.

Lightly coat with grease O-Ring and bearing bore in Gearcase. 2d,2e

.4 Ounces (13 Grams) Type "Y" Grease, No. 49-08-5270.

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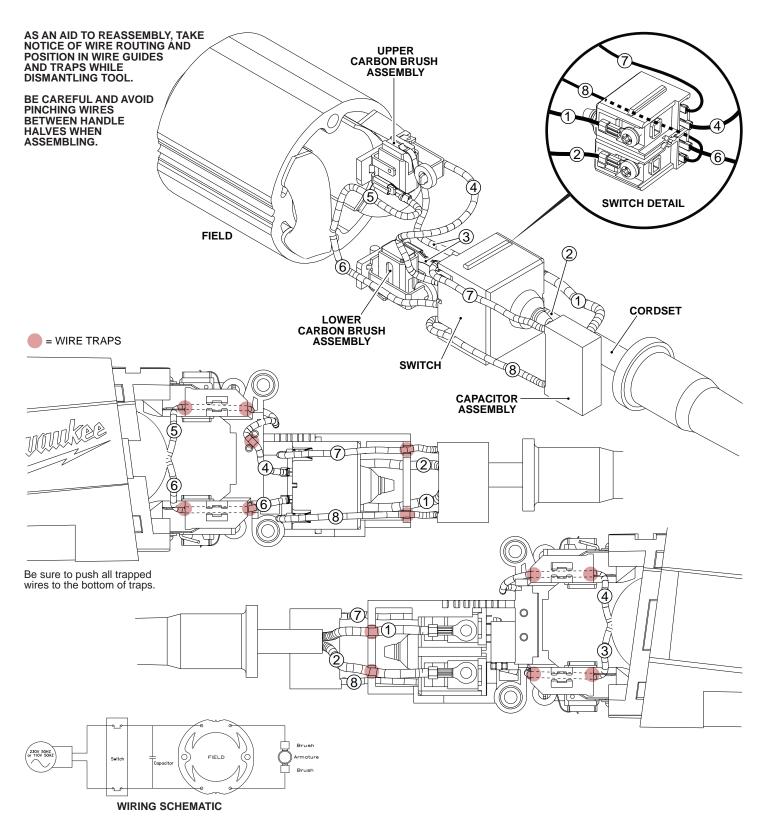
Gearcase
Screws (1)
4 places
Gearcase
Hub (4d)

Lower Gearcase Hub
Screws (6) 4 places

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.

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

Locking



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						