SERVICE PARTS LIST

BULLETIN NO. 54-38-1811

Milwaukee SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS REVISED BULLETIN DATE 54-38-1810 July 2010 4.5" ANGLE GRINDER with SLIDE SWITCH WIRING INSTRUCTION STARTING **CATALOG NO. 6148-33 B73B** See Page 4 SERIAL NUMBER

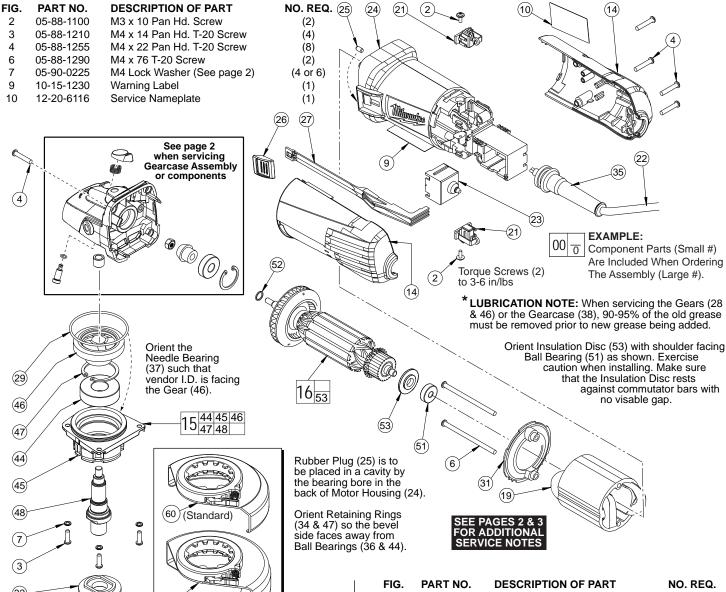


FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
14	14-34-0720	Rear Handle Assembly	(1)
15	14-73-0410	Spindle/Hub Assembly	(1)
16	16-10-7020	Service Armature Assembly	(1)
19	18-07-2300	Service Field	(1)
21	22-22-1560	Carbon Brush Assembly	(2)
22	22-64-2020	Cord	(1)
23	23-66-2665	Switch	(1)
24	31-50-3370	Motor Housing	(1)
25	31-53-0240	Rubber Slug	(1)
26	31-92-0430	Slide Switch Button	(1)
27	31-92-0470	Switch Pole	(1)
29	34-40-0180	O-Ring	(1)
31	42-14-0025	Fan Baffle	(1)
32	43-34-0036	Inner Disk Flange	(1)
33	44-40-0035	Outer Flange Nut	(1)
35	44-76-0210	Strain Relief	(1)
44	02-04-1150	Ball Bearing	(1)
45	28-53-0410	Lower Gearcase Hub	(1)

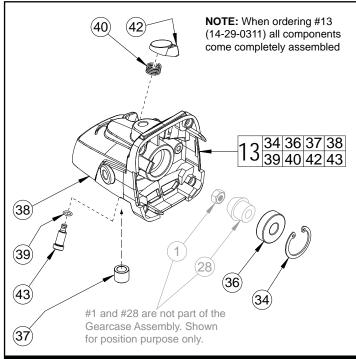
(61) (Optional)

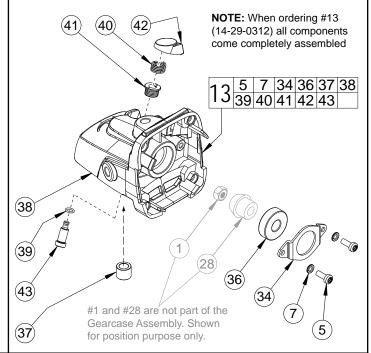
FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
46	32-05-1310	Bevel Gear	(1)
47	34-80-2275	Retaining Ring	(1)
48	38-50-1280	Spindle	(1)
51	02-04-2110	Ball Bearing	(1)
52	45-88-0406	Washer	(1)
53	43-86-0010	Insulation Disc	(1)
60	43-54-1070	4.5" T27 Guard Assembly (Standard)) (1)
61	43-54-1090	4.5" T1 Guard Assembly (Optional)	(1)
	42-62-0100	Side Handle (Not Shown)	(1)
	49-96-7215	Spanner Wrench (Not Shown)	(1)
FIG.	LUBRICATION	(*See lubrication note above):	

- Type "Y" Grease, No. 49-08-5270, Must Be Applied 28,46 To All Gear Teeth.
- Lightly coat with grease O-Ring and bearing bore in Gearcase. 29,38
 - 38 .3 -.4 Ounces (9-12 Grams) Type "Y" Grease, No. 49-08-5270.

MILWAUKEE ELECTRIC TOOL CORPORATION

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#13 14-29-0311 GEARCASE ASSEMBLY

#13 14-29-0312 GEARCASE ASSEMBLY

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
1	05-55-0620	M5 Armature Hex Nut	(1)
13	14-29-0311	Gearcase Assembly	(1)
28	32-60-1310	Bevel Pinion	(1)
34	34-80-1001	Retaining Ring	(1)
36	02-04-0620	Ball Bearing	(1)
37	02-50-0025	Needle Bearing	(1)
38		Gearcase	(1)
39	34-40-0450	O-Ring	(1)
40	40-50-1330	Compression Spring	(1)
42	42-42-0590	Spindle Lock Button	(1)
43	42-60-1660	Spindle Lock Pin	(1)

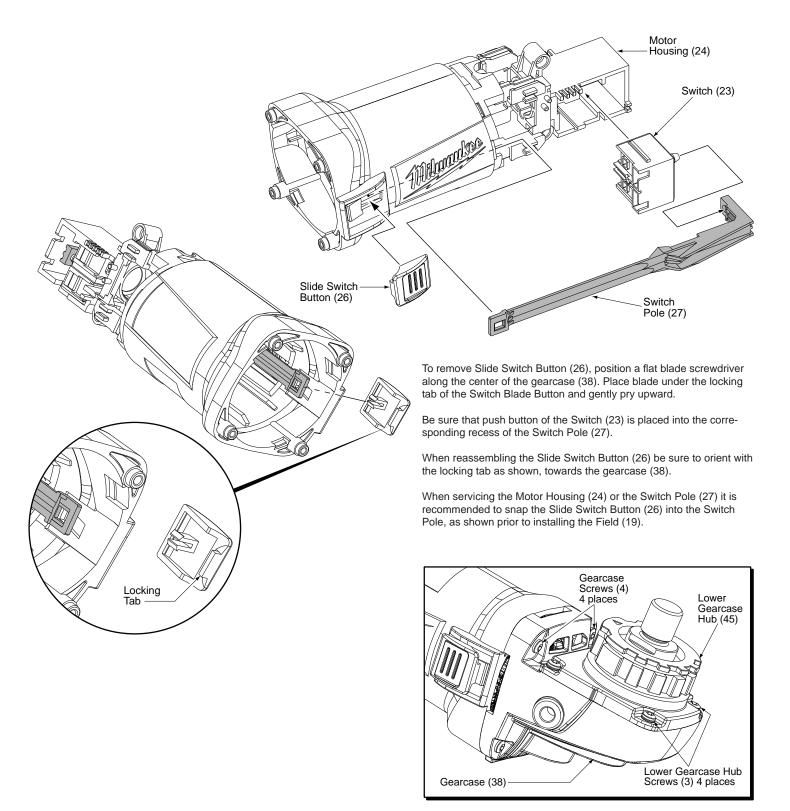
FIG.	NOTE:
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- 1 Torque Armature Nut (1) to 47 in/lbs, 55 kg/cm.
- 37 Orient the Needle Bearing (37) such that the side with the vendor I.D. is facing the Gear (46).
- 43,46 Functionally check Spindle Lock mechanism. Spindle Lock Pin (43) must return briskly when released from engagement in Gear (46), reference illustration on first page.

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
1	05-55-0620	M5 Armature Hex Nut	(1)
5	05-88-1280	M4 x 10 Pan Hd. T-20 Screw	(2)
7	05-90-0225	M4 Lock Washer (2 of 6)	(6)
13	14-29-0312	Gearcase Assembly	(1)
28	32-60-1310	Bevel Pinion	(1)
34	44-66-0450	Bearing Retainer	(1)
36	02-04-0620	Ball Bearing	(1)
37	02-50-0025	Needle Bearing	(1)
38		Gearcase	(1)
39	34-40-0450	O-Ring	(1)
40	40-50-1330	Compression Spring	(1)
41	42-42-0580	Spindle Lock Tube	(1)
42	42-42-0590	Spindle Lock Button	(1)
43	42-60-1660	Spindle Lock Pin	(1)

FIG. NOTE:

- 1 Torque Armature Nut (1) to 47 in/lbs, 55 kg/cm.
- 7 There are 2 Lock Washers (7) that are utilized in the 14-29-0312 Gearcase Assembly (13). There are 4 Lock Washers used to help secure the Lower Gearcase Hub (45). There is a total quantity of 6. Reference illustration above and on page 1.
- 37 Orient the Needle Bearing (37) such that the side with the vendor I.D. is facing the Gear (46).
- When replacining Spindle Lock Tube (41), apply a few drops of thread locking sealant to outside threads prior to installation. Torque Spindle Lock Tube to 12 in/lbs, 14 kg/cm.
- 43,46 Functionally check Spindle Lock mechanism. Spindle Lock Pin (43) must return briskly when released from engagement in Gear (46), reference illustration on first page.



When servicing the Gearcase (38), first remove the four Screws (3) and Lower Gearcase Hub (45) to prevent damage to the bottom two Screws (4) that secure the Gearcase.

