Milwaukee

FIG.

2

PART NO.

05-88-1100

SERVICE PARTS LIST

BULLETIN NO. 54-38-1721

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS

4.5"/5" ANGLE GRINDER with SLIDE SWITCH

(2)

REVISED BULLETIN 54-38-1720

DATE July 2010

WIRING INSTRUCTION



DESCRIPTION OF PART

M3 x 10 Pan Hd. Screw

STARTING SERIAL NUMBER NO. REQ. (25) (24)

(21)

B64B

(20)

(10)

See Page 4

(14)

EXAMPLE:

that the shoulder of Magnetic Disc

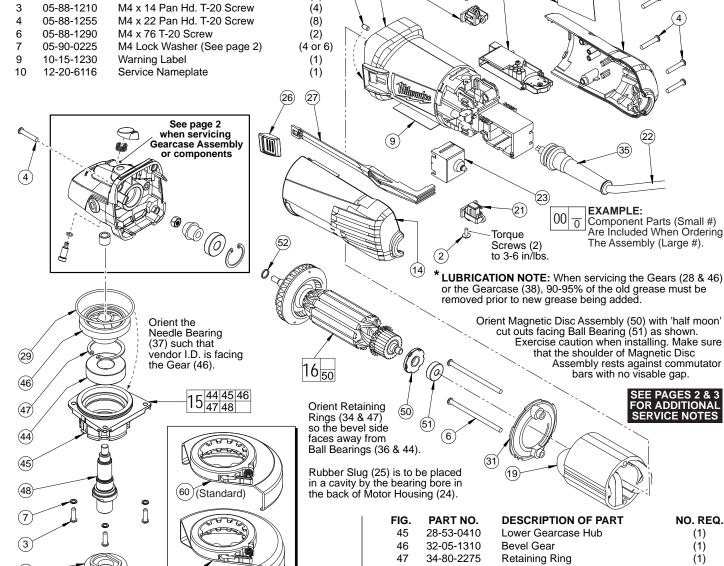
Assembly rests against commutator

bars with no visable gap.

Component Parts (Small #) Are Included When Ordering

The Assembly (Large #).

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PART NO.	DESCRIPTION OF PART	NO. REQ.
14-34-0720	Rear Handle Assembly	(1)
14-73-0410	Spindle/Hub Assembly	(1)
16-10-7010	Service Armature Assembly	(1)
18-07-2305	Service Field	(1)
22-09-1735	Module Assembly	(1)
22-22-1560	Carbon Brush Assembly	(2)
22-64-2020	Cord	(1)
23-66-2665	Switch	(1)
31-50-3370	Motor Housing	(1)
31-53-0240	Rubber Slug	(1)
31-92-0430	Slide Switch Button	(1)
31-92-0470	Switch Pole	(1)
34-40-0180	O-Ring	(1)
42-14-0490	Fan Baffle	(1)
43-34-0036	Inner Disk Flange	(1)
44-40-0035	Outer Flange Nut	(1)
44-76-0210	Strain Relief	(1)
02-04-1150	Ball Bearing	(1)
	14-34-0720 14-73-0410 16-10-7010 18-07-2305 22-09-1735 22-22-1560 22-64-2020 23-66-2665 31-50-3370 31-53-0240 31-92-0430 31-92-0470 34-40-0180 42-14-0490 43-34-0035 44-76-0210	14-34-0720 Rear Handle Assembly 14-73-0410 Spindle/Hub Assembly 16-10-7010 Service Armature Assembly 18-07-2305 Service Field 22-09-1735 Module Assembly 22-22-1560 Carbon Brush Assembly 22-64-2020 Cord 23-66-2665 Switch 31-50-3370 Motor Housing 31-53-0240 Rubber Slug 31-92-0430 Slide Switch Button 31-92-0470 Switch Pole 34-40-0180 O-Ring 42-14-0490 Fan Baffle 43-34-0036 Inner Disk Flange 44-40-0035 Outer Flange Nut 44-76-0210 Strain Relief

(61)(Optional)

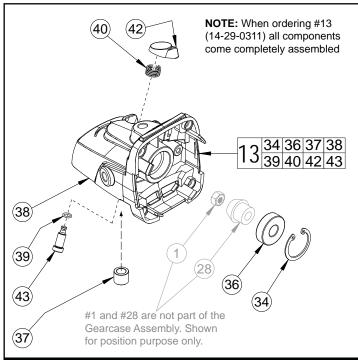
FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
45	28-53-0410	Lower Gearcase Hub	(1)
46	32-05-1310	Bevel Gear	(1)
47	34-80-2275	Retaining Ring	(1)
48	38-50-1280	Spindle	(1)
50	23-27-0110	Magnetic Disc Assembly	(1)
51	02-04-2110	Ball Bearing	(1)
52	45-88-0406	Washer	(1)
60	43-54-1070	4.5" T27 Guard Assembly (Standard)	(1)
	43-54-1075	5" T27 Guard Assembly (Standard)	(1)
61	43-54-1090	4.5" T1 Guard Assembly (Optional)	(1)
	43-54-1095	5" T1 Guard Assembly (Optional)	(1)
	42-62-0100	Side Handle (Not Shown)	(1)
	49-96-7215	Spanner Wrench (Not Shown)	(1)

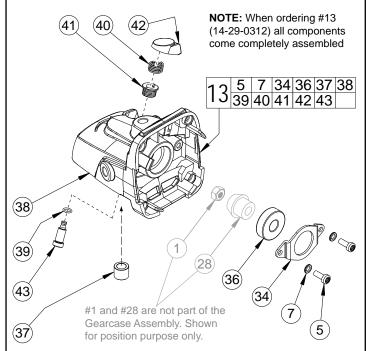
FIG.	LUBRICATION (*See lubrication note above):
28,46	Type "Y" Grease, No. 49-08-5270, Must Be Applied
	To All Gear Teeth.

29.38 Lightly coat with grease O-Ring and bearing bore in Gearcase.

.3 -.4 Ounces (9-12 Grams) Type "Y" Grease, No. 49-08-5270. 38

MILWAUKEE ELECTRIC TOOL CORPORATION





#13 14-29-0311 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)

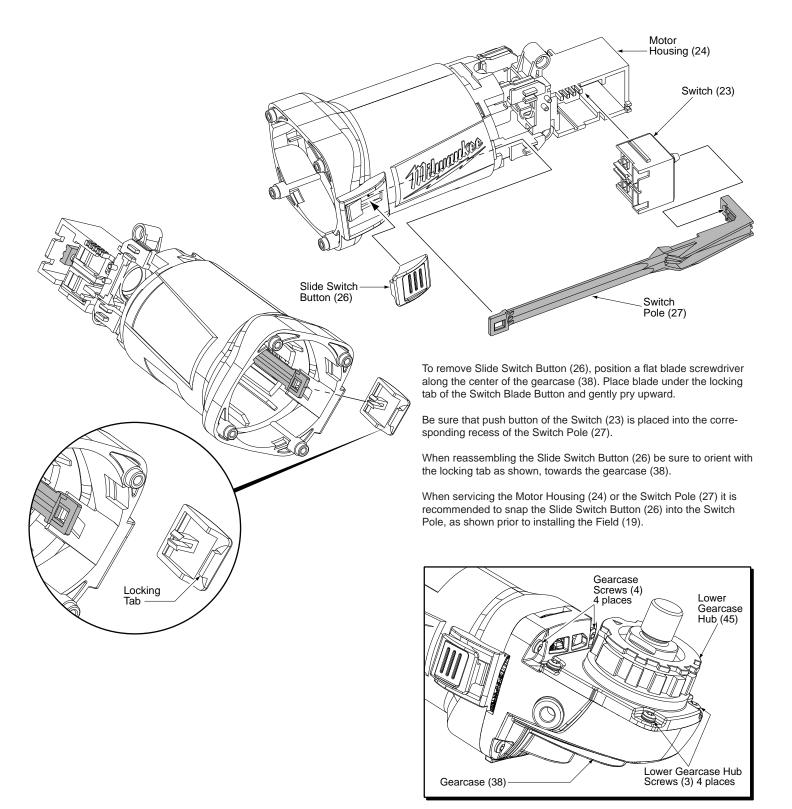
FIG.	NOTE

- 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.

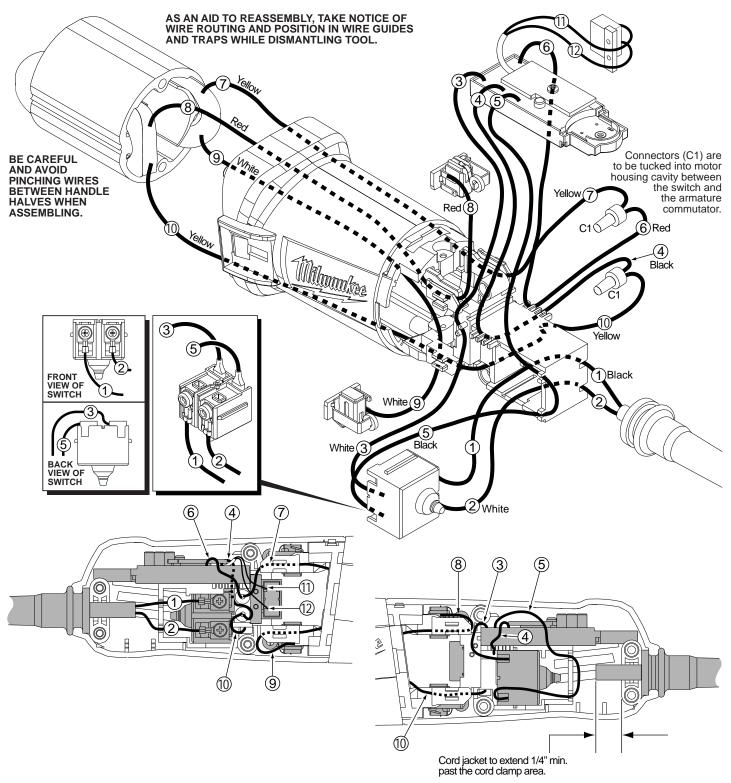
FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ
1	05-55-0620	M5 Armature Hex Nut	(1)
5	05-88-1280	M4 x 10 Pan Hd. T-20 Screw	(2)
7	05-90-0225	M4 Lock Washer (2 of 6)	(6)
13	14-29-0312	Gearcase Assembly	(1)
28	32-60-1310	Bevel Pinion	(1)
34	44-66-0450	Bearing Retainer	(1)
36	02-04-0620	Ball Bearing	(1)
37	02-50-0025	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).
- 41 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.



	WIRING SPECIFICATIONS					
Wire No.	Wire Color	Origin or Part No.	Gauge	Length	Terminals, Connectors and End Wire Preparation	
1	Black	22-64-2020			Component of Cord Set.	
2	White	22-64-2020			Component of Cord Set.	
3	White	22-09-1725			Component of PC Board.	
4	Black	22-09-1725			Component of PC Board.	
5	Black	22-09-1725			Component of PC Board.	
6	Red	22-09-1725			Component of PC Board.	
7	Yellow	18-07-2305			Component of Service Field.	
8	Red	18-07-2305			Component of Service Field.	
9	White	18-07-2305			Component of Service Field.	
10	Yellow	18-07-2305			Component of Service Field.	
11	White	22-09-1725			Component of PC Board.	
12	White	22-09-1725			Component of PC Board.	
BULK LEAD WIRE - BULLETIN 58-01-0003						

NOTE

All leads must be held to \pm 1/16". All lead lengths are before stripping.

TERMINAL DESCRIPTION			
Code	Part No.	Qnty.	
CON	NECTOR DESCRIP	TION	
CON	NECTOR DESCRIP	IION	
C1	22-56-0150	2	