



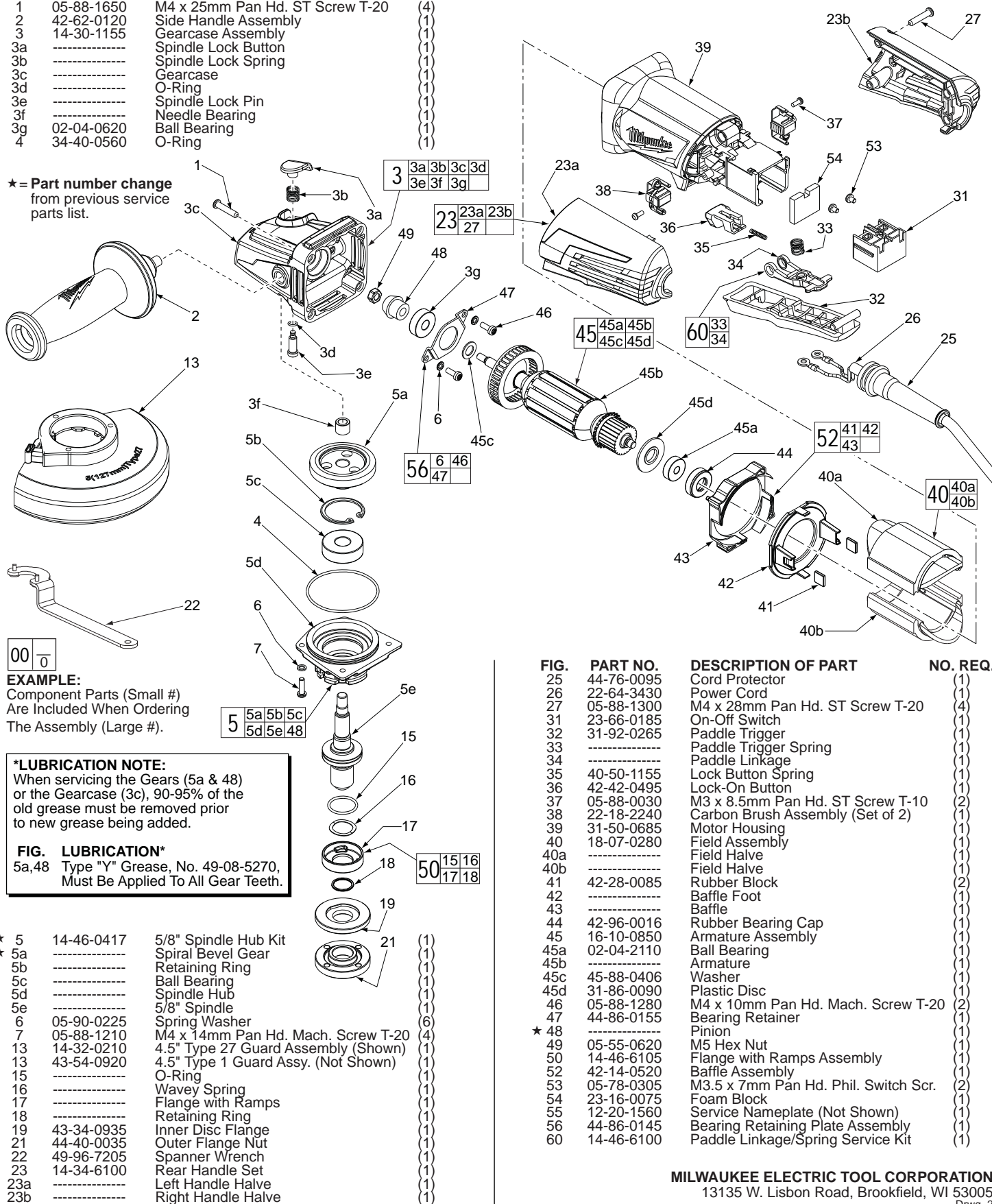
# SERVICE PARTS LIST

**BULLETIN NO.**  
54-38-2241

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS		REVISED BULLETIN	DATE
<b>4.5" COMPACT ANGLE GRINDER with PADDLE SWITCH</b>		54-38-2240	Mar. 2016
CAT. NO.	6147-31	WIRING INSTRUCTION <b>See Reverse Side</b>	
	STARTING SERIAL NUMBER	<b>D06B</b>	

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
1	05-88-1650	M4 x 25mm Pan Hd. ST Screw T-20	(4)
2	42-62-0120	Side Handle Assembly	(1)
3	14-30-1155	Gearcase Assembly	(1)
3a	-----	Spindle Lock Button	(1)
3b	-----	Spindle Lock Spring	(1)
3c	-----	Gearcase	(1)
3d	-----	O-Ring	(1)
3e	-----	Spindle Lock Pin	(1)
3f	-----	Needle Bearing	(1)
3g	-----	Ball Bearing	(1)
4	02-04-0620	Ball Bearing	(1)
4	34-40-0560	O-Ring	(1)

★ = Part number change from previous service parts list.

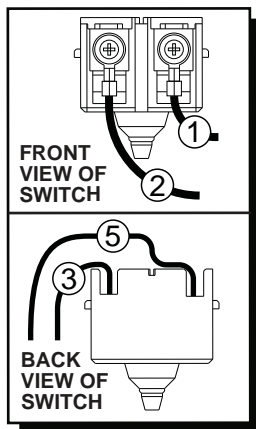
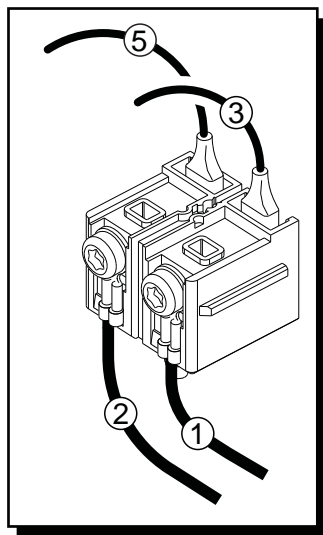


**EXAMPLE:**  
Component Parts (Small #)  
Are Included When Ordering  
The Assembly (Large #).

**\*LUBRICATION NOTE:**  
When servicing the Gears (5a & 48)  
or the Gearcase (3c), 90-95% of the  
old grease must be removed prior  
to new grease being added.

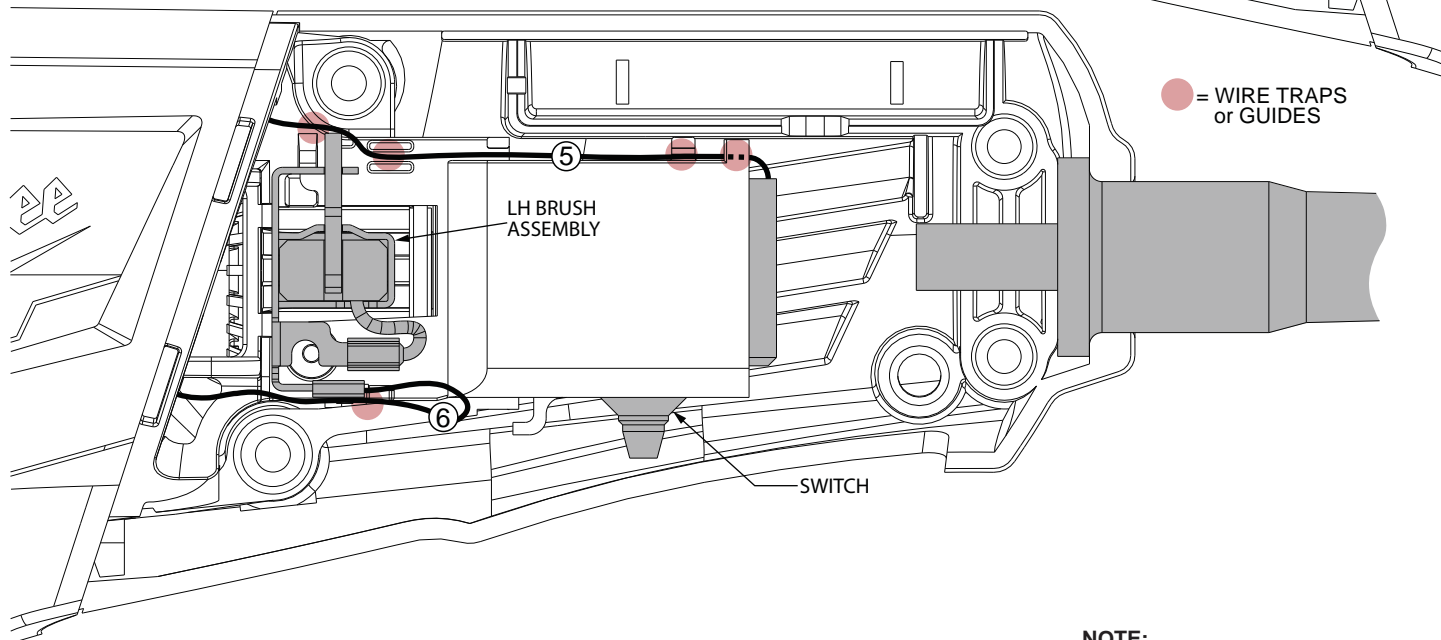
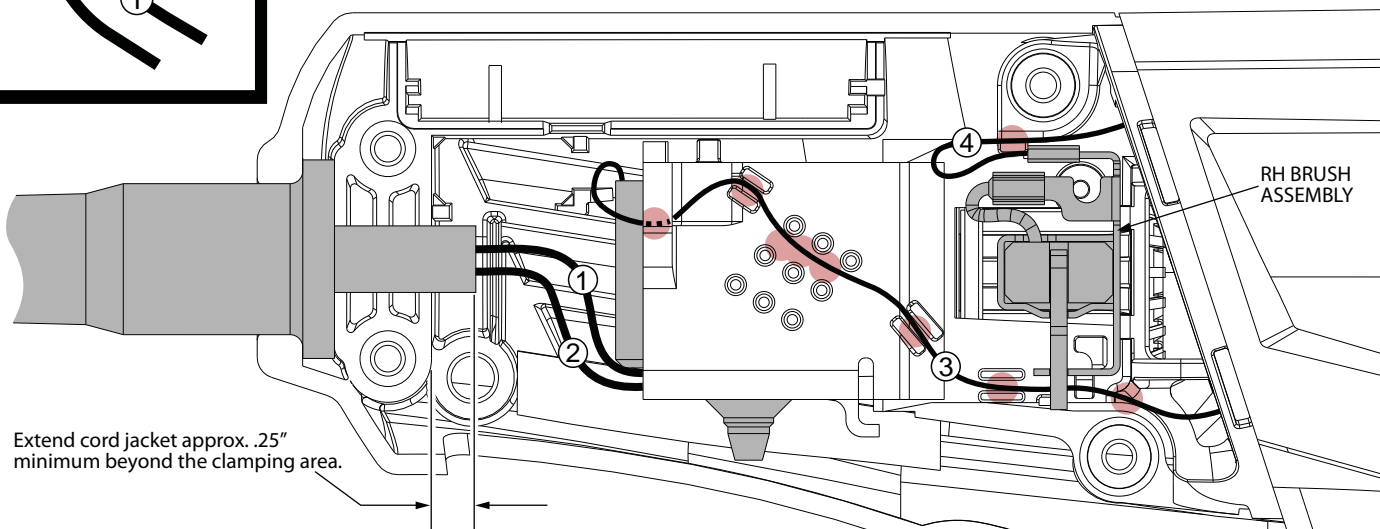
**FIG. LUBRICATION\***  
5a,48 Type "Y" Grease, No. 49-08-5270,  
Must Be Applied To All Gear Teeth.

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
25	44-76-0095	Cord Protector	(1)
26	22-64-3430	Power Cord	(1)
27	05-88-1300	M4 x 28mm Pan Hd. ST Screw T-20	(4)
31	23-66-0185	On-Off Switch	(1)
32	31-92-0265	Paddle Trigger	(1)
33	-----	Paddle Trigger Spring	(1)
34	-----	Paddle Linkage	(1)
35	40-50-1155	Lock Button Spring	(1)
36	42-42-0495	Lock-On Button	(1)
37	05-88-0030	M3 x 8.5mm Pan Hd. ST Screw T-10	(2)
38	22-18-2240	Carbon Brush Assembly (Set of 2)	(1)
39	31-50-0685	Motor Housing	(1)
40	18-07-0280	Field Assembly	(1)
40a	-----	Field Halve	(1)
40b	-----	Field Halve	(1)
41	42-28-0085	Rubber Block	(2)
42	-----	Baffle Foot	(1)
43	-----	Baffle	(1)
44	42-96-0016	Rubber Bearing Cap	(1)
45	16-10-0850	Armature Assembly	(1)
45a	02-04-2110	Ball Bearing	(1)
45b	-----	Armature	(1)
45c	45-88-0406	Washer	(1)
45d	31-86-0090	Plastic Disc	(1)
46	05-88-1280	M4 x 10mm Pan Hd. Mach. Screw T-20	(2)
47	44-86-0155	Bearing Retainer	(1)
★ 48	-----	Pinion	(1)
49	05-55-0620	M5 Hex Nut	(1)
50	14-46-6105	Flange with Ramps Assembly	(1)
52	42-14-0520	Baffle Assembly	(1)
53	05-78-0305	M3.5 x 7mm Pan Hd. Phil. Switch Scr.	(2)
54	23-16-0075	Foam Block	(1)
55	12-20-1560	Service Nameplate (Not Shown)	(1)
56	44-86-0145	Bearing Retaining Plate Assembly	(1)
60	14-46-6100	Paddle Linkage/Spring Service Kit	(1)



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.



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

**WIRING SPECIFICATIONS**

Wire No.	Wire Color	Origin or Part No.	Gauge	Length	Terminals, Connectors and End Wire Preparation
1	Black	22-64-3430	--	--	Component of Cord Set. Connect to Switch.
2	White	22-64-3430	--	--	Component of Cord Set. Connect to Switch.
3	Black	18-07-0280	--	--	Component of Field. Connect to Switch.
4	Black	18-07-0280	--	--	Component of Field. Connect to Right Brush Assy.
5	Black	18-07-0280	--	--	Component of Field. Connect to Switch.
6	Black	18-07-0280	--	--	Component of Field. Connect to Left Brush Assy.

BULK LEAD WIRE - BULLETIN 58-01-0003

**TERMINAL DESCRIPTION**

Code	Part No.	Qty.
<b>CONNECTOR DESCRIPTION</b>		