



SERVICE PARTS LIST

BULLETIN NO.
54-38-2224

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS			REVISED BULLETIN	DATE
4.5" COMPACT ANGLE GRINDER with SLIDE SWITCH			54-38-2223	Feb. 2019
CAT. NO.	6146-33	STARTING SERIAL NUMBER	WIRING INSTRUCTION See Reverse Side	
		D04E		

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	14-30-1156	Gearcase Assembly	(1)
3g	02-04-0620	Ball Bearing	(1)
4	34-40-0560	O-Ring	(1)
★ 5	14-73-0462	5/8-11 Spindle Hub Kit	(1)
5b	-----	Steel Pin	(1)
5c	-----	Spring	(1)
5d	44-20-0155	Guard Locking Tang	(1)
5e	05-81-0020	M3 x 5mm Pan Hd. ST t-8 Screw	(1)

★ = Part number change
from previous service
parts list.

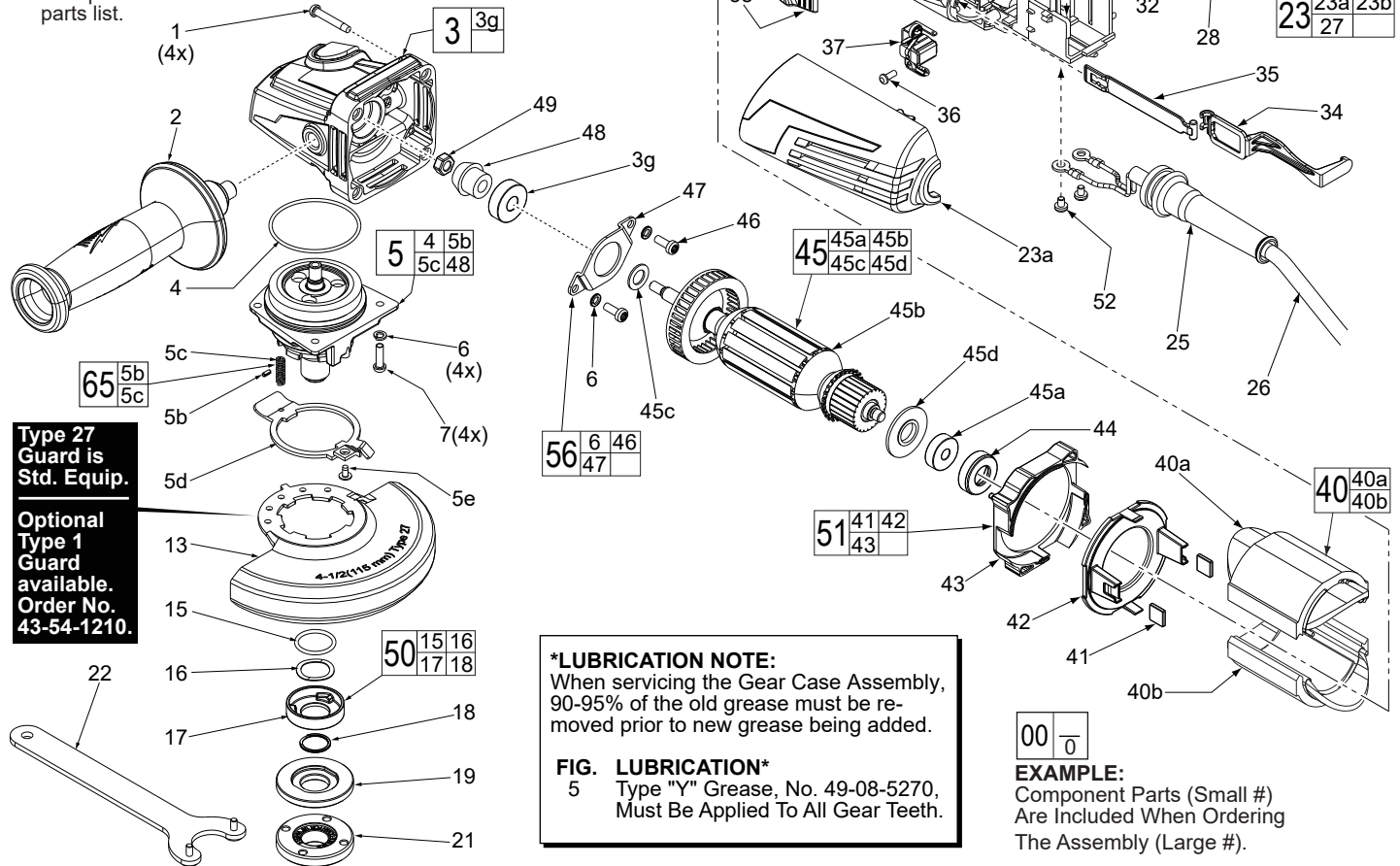
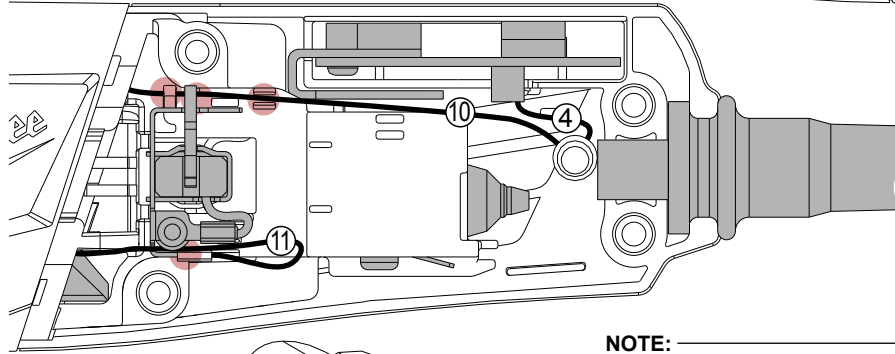
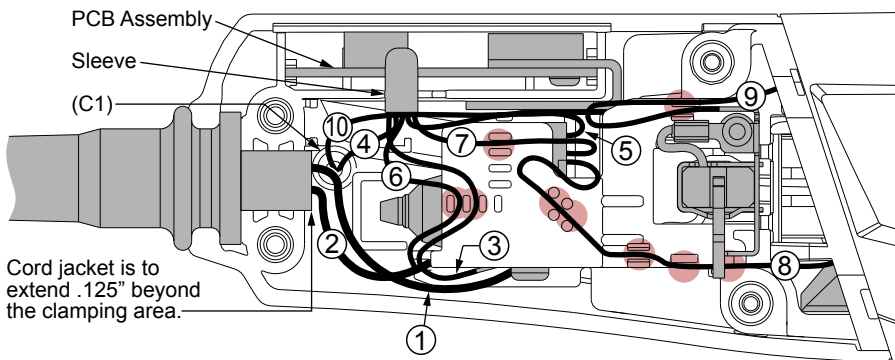
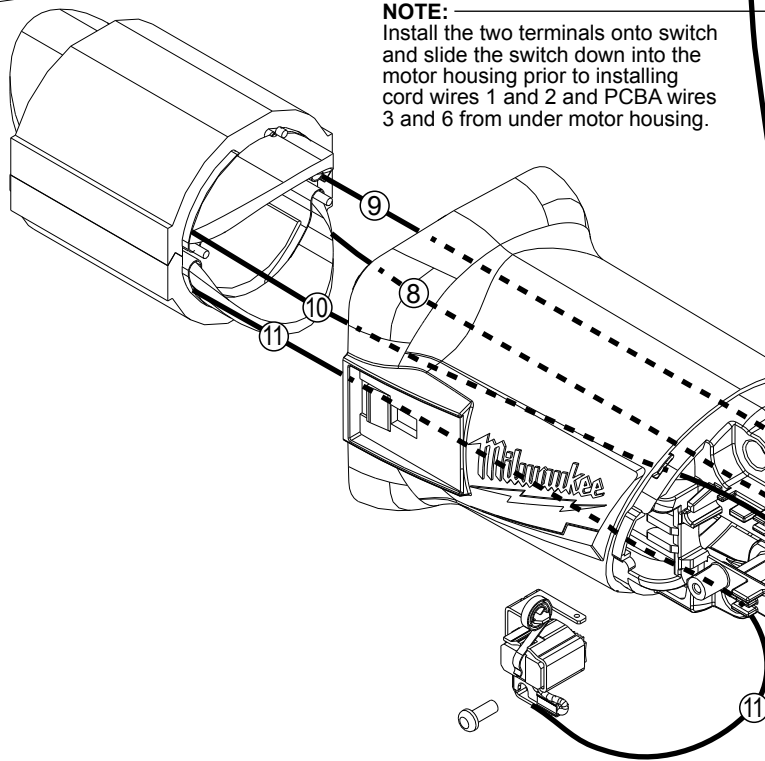


FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
40	18-07-0275	Field Assembly	(1)
40a	-----	Field Halve	(1)
40b	-----	Field Halve	(1)
41	42-28-0085	Rubber Block	(2)
42	-----	Baffle Foot	(1)
43	-----	Baffle	(1)
44	42-96-0017	Rubber Bearing Cap	(1)
45	16-10-0850	Armature Assembly	(1)
45a	02-04-2110	Ball Bearing	(1)
45b	-----	Armature	(1)
45c	45-88-0406	Washer	(1)
45d	31-86-0090	Plastic Disc	(1)
46	05-78-0105	M4 x 10mm Pan Hd. Tapt. 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)
51	42-14-0520	Baffle Assembly	(1)
52	05-78-0305	M3.5 x 7mm Pan Hd. Phil. Switch Scr.	(2)
53	12-20-1560	Service Nameplate (Not Shown)	(1)
56	44-86-0145	Bearing Retaining Plate Assembly	(1)
65	14-46-0241	Spring/Pin Kit	(1)



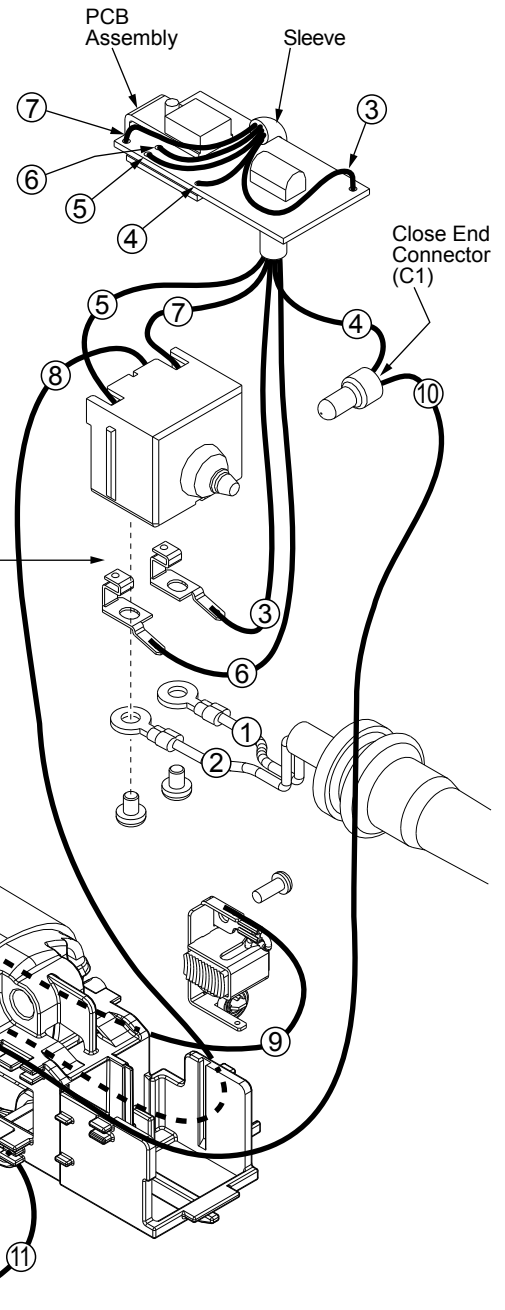
● = WIRE TRAPS or GUIDES



NOTE:
Install the two terminals onto switch and slide the switch down into the motor housing prior to installing cord wires 1 and 2 and PCBA wires 3 and 6 from under motor housing.

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.



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	22-09-1820	--	--	Component of PCBA. Connect to Switch.
4	Red	22-09-1820	--	--	Component of PCBA. Connect to C1 with wire #10.
5	White	22-09-1820	--	--	Component of PCBA. Connect to Switch.
6	White	22-09-1820	--	--	Component of PCBA. Connect to Switch.
7	Black	22-09-1820	--	--	Component of PCBA. Connect to Switch.
8	Black	18-07-0275	--	--	Component of Field. Connect to Switch.
9	Black	18-07-0275	--	--	Component of Field. Connect to Right Brush Assy.
10	Black	18-07-0275	--	--	Component of Field. Connect to C1 with wire #4.
11	Black	18-07-0275	--	--	Component of Field. Connect to Left Brush Assy.

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.	Qty.

CONNECTOR DESCRIPTION

C1	22-56-0150	1
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