## SERVICE PARTS LIST

Milwaukee SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS

3/8" PISTOL GRIP DRILL with SPINDLE LOCK

0202-20

CATALOG NO.

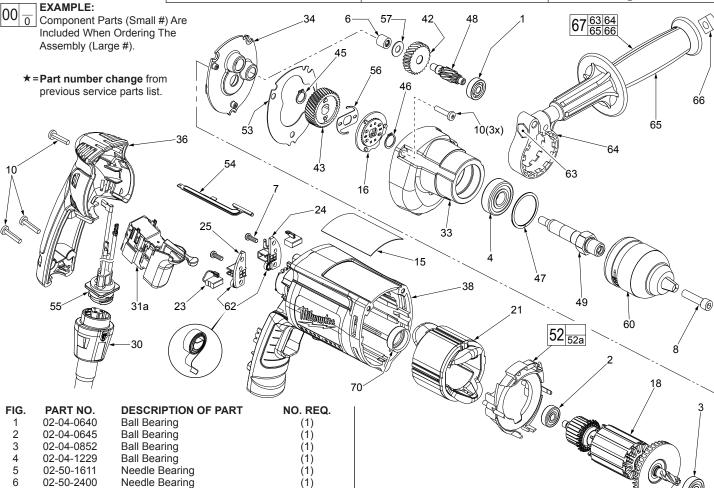
STARTING SERIAL NO

069D

REVISED BULLETIN 54-06-2902

DATE Sept. 2013

WIRING INSTRUCTION See Pages 2 & 3



3	02-04-0852	Ball Bearing	(1)
4	02-04-1229	Ball Bearing	(1)
5	02-50-1611	Needle Bearing	(1)
6	02-50-2400	Needle Bearing	(1)
7	05-88-1610	M3.5 x 10 Pan Hd. Plastite T-10	(2)
8	06-81-2925	1/4-20 x 1-1/8 L.H. Thread Slt. Screw	(1)
10	06-82-7275	7-18 x 3/4 Slotted Plastite T-20	(6)
15	12-99-2565	Service Nameplate	(1)
16	14-29-0040	Spindle Lock Assembly	(1)
18	16-10-2215	Armature	(1)
21	18-07-7210	Field	(1)
23	22-18-1310	Brush Assembly	(2)
24	22-20-0090	Left Brush Holder	(1)
25	22-20-0095	Right Brush Holder	(1)
30	48-76-4008	Quik-Lok Cord Set	(1)
31a	23-66-2605	Switch (Defond) See page 2 wiring	(1)
31b	23-66-2585	Switch (Marquardt) See page 3 wiring	(1)
33	28-14-2390	Gearcase	(1)
34	28-28-2320	Diaphragm	(1)
36	31-15-2030	Handle Halve	(1)
<b>★</b> 38	31-50-0525	Motor Housing	(1)
42	32-40-0100	Intermediate Gear	(1)
43	32-75-0106	Spindle Gear	(1)
45	34-60-0810	External Retaining Ring	(1)
46	34-60-0900	External Retaining Ring	(1)
47	34-80-2300	Retaining Ring	(1)
48	36-66-0110	Intermediate Shaft	(1)
49	38-50-5752	Spindle	(1)
52	42-14-0460	Baffle Assembly	(1)
52a	45-30-0030	Slug (Not shown)	(2)

Gasket

Ground Pin

Click Spring

Brush Spring

Thrust Washer

Pin Housing Assembly

3/8" Single Sleeve Keyless Chuck

3/8-16 x 5-1/2" Hex Cap Screw

43-44-0985

44-60-1700

22-56-1010

40-50-8525

45-88-7990

48-66-1520

23-52-1610

06-75-2850

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FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
64	42-68-0800	Side Handle Clamp	(1)
65	43-62-0845	Side Handle	(1)
66	06-54-0325	3/8-16 Square Nut	(1)
67	49-15-0265	Side Handle Assembly	(1)
<b>★</b> 70	43-86-0125	Bearing Cup	(1)
	23-94-0490	White Leadwire Assy. (See pages 2	& 3) (1)
	23-94-0495	Red Leadwire Assy. (See pages 2 8	(1)
	48-66-4040	Chuck Key Holder (Not Shown)	(1)
	31-53-0205	Lock Button Plug (Not Shown)	(1)

- **LUBRICATION (Type "Y" Grease, No. 49-08-5270)** Place 5 gm. (.02 oz.) of grease on top of the inserted intermediate ball bearing (1) and on the intermediate pinion (48).
- · After inserting all gearing, place 13 gm. (.46 oz.) of grease at the armature pinion location in the gearcase (33) and fill to the top of the intermediate gear (42). Grease must contact at least 25% of the intermediate gear teeth.

Before assembly, lightly coat all press fit areas with lightweight spindle oil.

## FIG.

(1)

(1)

(1)

(1)

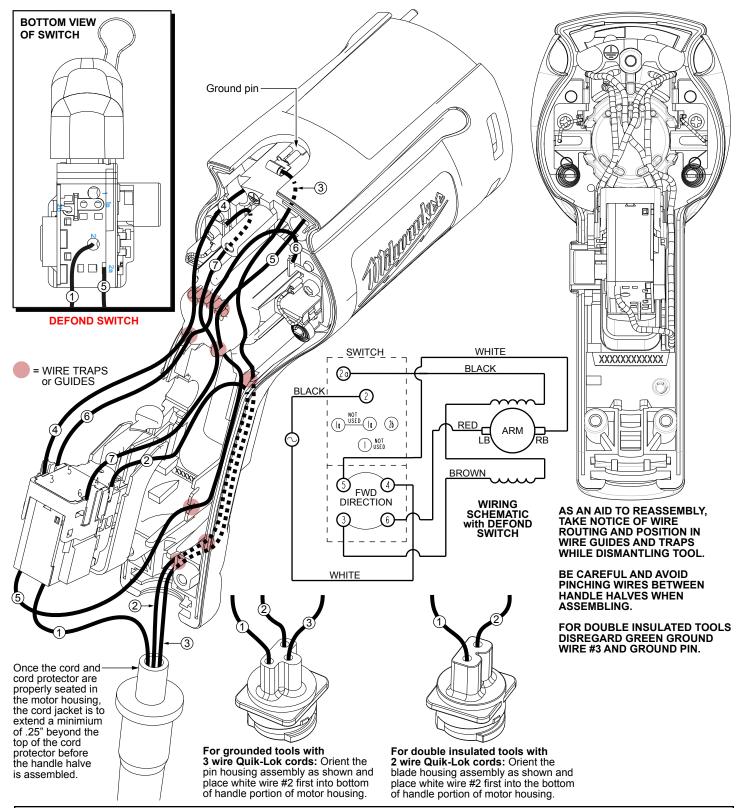
(1)

(2)

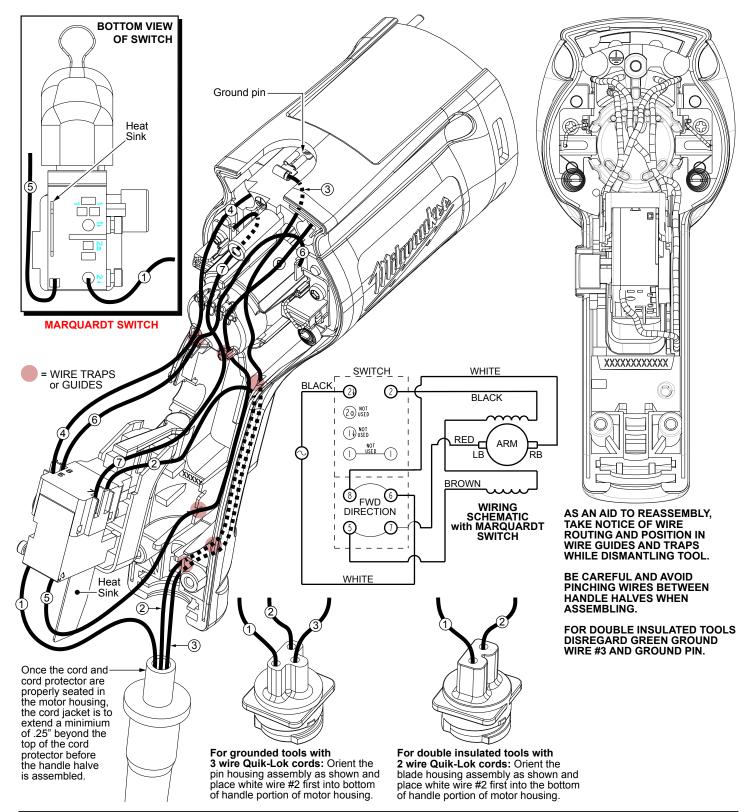
(1)

- Support the output ball bearing inside the gearcase before 4,43 pressing off the spindle gear.
- Needle bearings to be pressed flush to .010 under flush 5,6 from the end which has the vendors identification.

MILWAUKEE ELECTRIC TOOL CORPORATION 13135 W. LISBON RD., BROOKFIELD, WI 53005



	WIRING SPECIFICATIONS				
Wire No.	Wire Color	Origin or Gauge	Length	Terminals, Connectors and 1 or 2 End Wire Preparation	
1	Black	*		*Component of cord set, pin hsg. assy. or blade hsg. assy. Connect to #2 on switch bottom.	
2	White	*		*Component of cord set, pin hsg. assy. or blade hsg. assy. Connect to #4 on switch top.	
3	Green	*		*Component of cord set, pin hsg. assy. or blade hsg. assy. Connect to male tab on ground terminal.	
4	Brown	Field		Component of field. Connect to #3 on switch top.	
5	Black	Field		Component of field. Connect to #2a on switch bottom.	
6	White	23-94-0490		Leadwire assembly. Connect to right brush holder and #5 on switch top.	
7	Red	23-94-0495		Leadwire assembly. Connect to left brush holder and #6 on switch top.	
BULK LEAD WIRE - BULLETIN NO. 58-01-0003					



	WIRING SPECIFICATIONS				
Wire No.	Wire Color	Origin or Gauge	Length	Terminals, Connectors and 1 or 2 End Wire Preparation	
1	Black	*		*Component of cord set, pin hsg. assy. or blade hsg. assy. Connect to #2₽ on switch bottom.	
2	White	*		*Component of cord set, pin hsg. assy. or blade hsg. assy. Connect to #6 on switch top.	
3	Green	*		*Component of cord set, pin hsg. assy. or blade hsg. assy. Connect to male tab on ground terminal.	
4	Brown	Field		Component of field. Connect to #5 on switch top.	
5	Black	Field		Component of field. Connect to #2 on switch bottom.	
6	White	23-94-0490		Leadwire assembly. Connect to right brush holder and #8 on switch top.	
7	Red	23-94-0495		Leadwire assembly. Connect to left brush holder and #7 on switch top.	
BULK LEAD WIRE - BULLETIN NO. 58-01-0003					