(8)

(31)

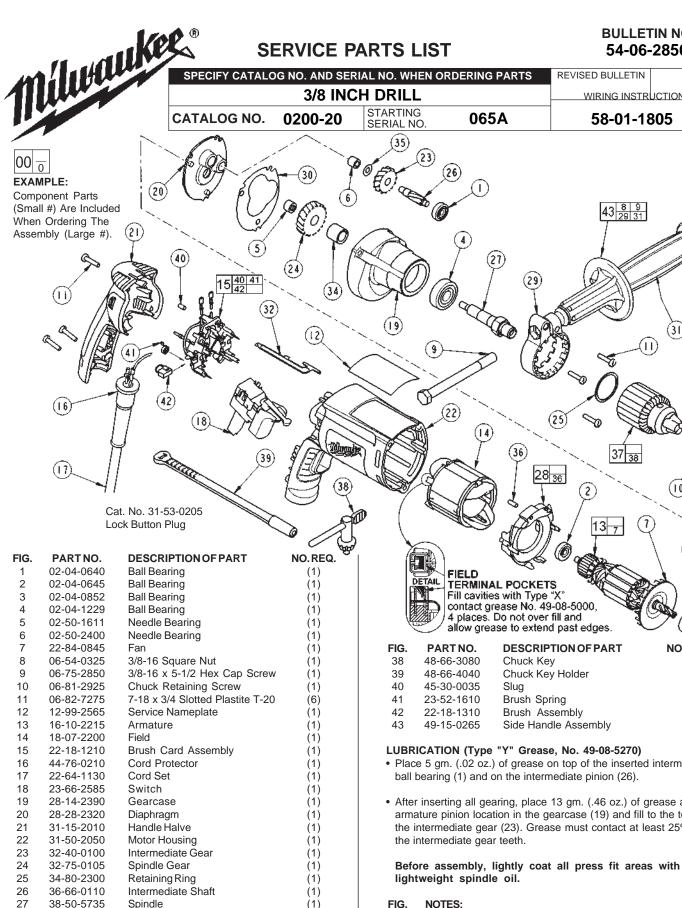
(3)

NO. REQ.

 (Π)

SERVICE PARTS LIST

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS REVISED BULLETIN 3/8 INCH DRILL WIRING INSTRUCTION STARTING 065A CATALOG NO. 0200-20 58-01-1805



(1)

(1)

(1)

(1)

(1)

(1)

(1)

(2)

(1)

42-14-0460

42-68-0800

43-44-0985

43-62-0845

44-60-1700

45-36-1095

45-88-7990

45-30-0030

48-66-0806

28

29

30

31

32

34

35

36

37

Baffle Assembly

Gasket

Slug

Side Handle

Ground Pin

3/8 Chuck

Spindle Spacer

Thrust Washer

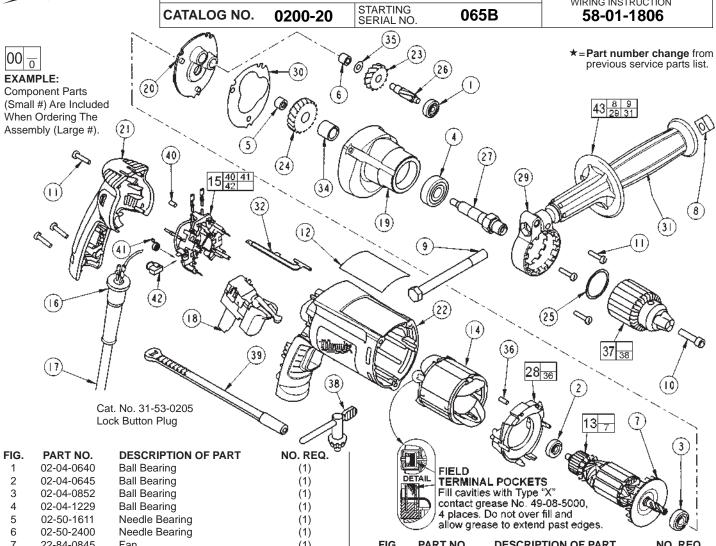
Side Handle Clamp

(1)(1)(1)(2)(2)(1)

- Place 5 gm. (.02 oz.) of grease on top of the inserted intermediate ball bearing (1) and on the intermediate pinion (26).
- After inserting all gearing, place 13 gm. (.46 oz.) of grease at the armature pinion location in the gearcase (19) and fill to the top of the intermediate gear (23). Grease must contact at least 25% of

- Support the output ball bearing inside the gearcase before 4,24 pressing off the spindle gear.
- 5.6 Needle bearings to be pressed flush to .010 under flush from the end which has the vendors identification.

Milwaukee REVISED BULLETIN SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS 54-06-2850 3/8 INCH DRILL WIRING INSTRUCTION



6	02-50-2400	Needle Bearing	(1)			and to other pant organi	
7	22-84-0845	Fan	(1)	FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
8	06-54-0325	3/8-16 Square Nut	(1)	38	48-66-3080	Chuck Key	(1)
9	06-75-2850	3/8-16 x 5-1/2 Hex Cap Screw	(1)	39	48-66-4040	Chuck Key Holder	(1)
10	06-81-2925	Chuck Retaining Screw	(1)	40	45-30-0035	Slug	(1)
11	06-82-7275	7-18 x 3/4 Slotted Plastite T-20	(6)	41	23-52-1610	Brush Spring	(2)
12	12-99-2565	Service Nameplate	(1)	42	22-18-1310	Brush Assembly	(2)
13	16-10-2215	Armature	(1)	43	49-15-0265	Side Handle Assembly	(1)
14	18-07-2200	Field	(1)				
15	22-18-1210	Brush Card Assembly	(1)	LUBR	ICATION (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 (26).
- After inserting all gearing, place 13 gm. (.46 oz.) of grease at the armature pinion location in the gearcase (19) and fill to the top of the intermediate gear (23). Grease must contact at least 25% of the intermediate gear teeth.

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

FIG. NOTES:

- Support the output ball bearing inside the gearcase before 4,24 pressing off the spindle gear.
- 5,6 Needle bearings to be pressed flush to .010 under flush from the end which has the vendors identification.

		at. No. 31-53-0205	
	Lo	ck Button Plug	
FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
1	02-04-0640	Ball Bearing	(1)
2	02-04-0645	Ball Bearing	(1)
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	22-84-0845	Fan	(1)
8	06-54-0325	3/8-16 Square Nut	(1)
9	06-75-2850	3/8-16 x 5-1/2 Hex Cap Screw	(1)
10	06-81-2925	Chuck Retaining Screw	(1)
11	06-82-7275	7-18 x 3/4 Slotted Plastite T-20	(6)
12	12-99-2565	Service Nameplate	(1)
13	16-10-2215	Armature	(1)
14	18-07-2200	Field	(1)
15	22-18-1210	Brush Card Assembly	(1)
16	44-76-0210	Cord Protector	(1)
17	22-64-1130	Cord Set	(1)
★ 18	23-66-2605	Switch	(1)
19	28-14-2390	Gearcase	(1)
20	28-28-2320	Diaphragm	(1)
21	31-15-2010	Handle Halve	(1)
★ 22	31-50-4050	Motor Housing	(1)
23	32-40-0100	Intermediate Gear	(1)
24	32-75-0105	Spindle Gear	(1)
25	34-80-2300	Retaining Ring	(1)
26	36-66-0110	Intermediate Shaft	(1)
27	38-50-5735	Spindle	(1)
28	42-14-0460	Baffle Assembly	(1)
29	42-68-0800	Side Handle Clamp	(1)
30	43-44-0985	Gasket	(1)
31	43-62-0845	Side Handle	(1)
32	44-60-1700	Ground Pin	(1)
34	45-36-1095	Spindle Spacer	(1)
35	45-88-7990	Thrust Washer	(1)
36	45-30-0030	Slug	(2)
37	48-66-0806	3/8 Chuck	(1)

Milwaukee

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS

3/8" PISTOL GRIP DRILL

CATALOG NO.

0200-20

STARTING SERIAL NO.

065C

WIRING INSTRUCTION See Pages 2 & 3

REVISED BULLETIN 54-06-2851

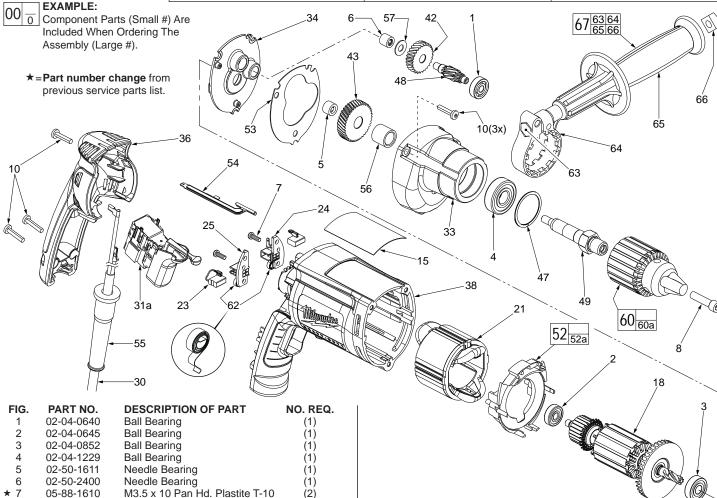


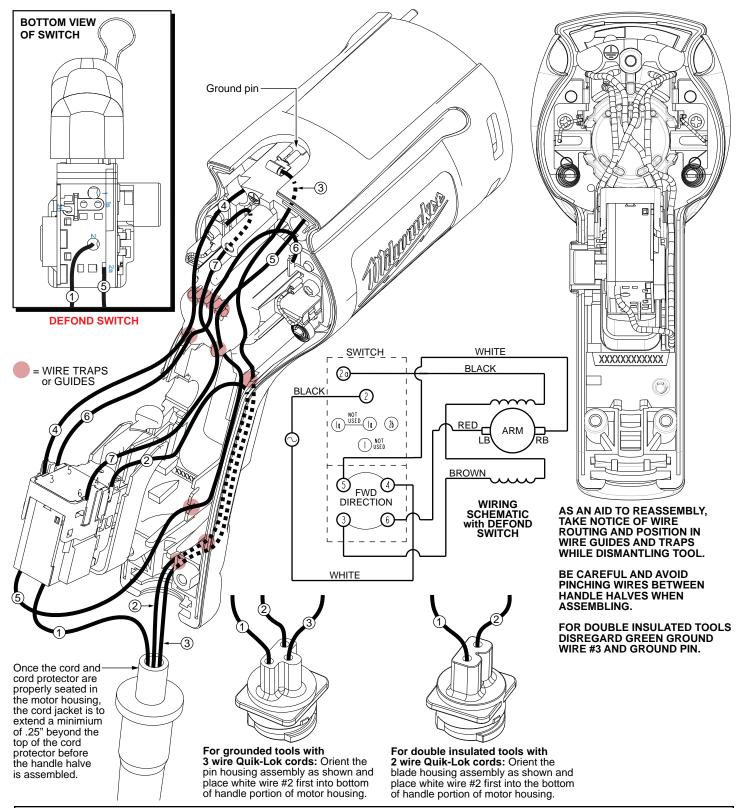
FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
66	06-54-0325	3/8-16 Square Nut	(1)
67	49-15-0265	Side Handle Assembly	(1)
*	23-94-0490	White Leadwire Assy. (See pages 2 &	k 3) (1)
*	23-94-0495	Red Leadwire Assy. (See pages 2 &	3) (1)
	48-66-4040	Chuck Key Holder (Not Shown)	(1)
	31-53-0205	Lock Button Plug (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.

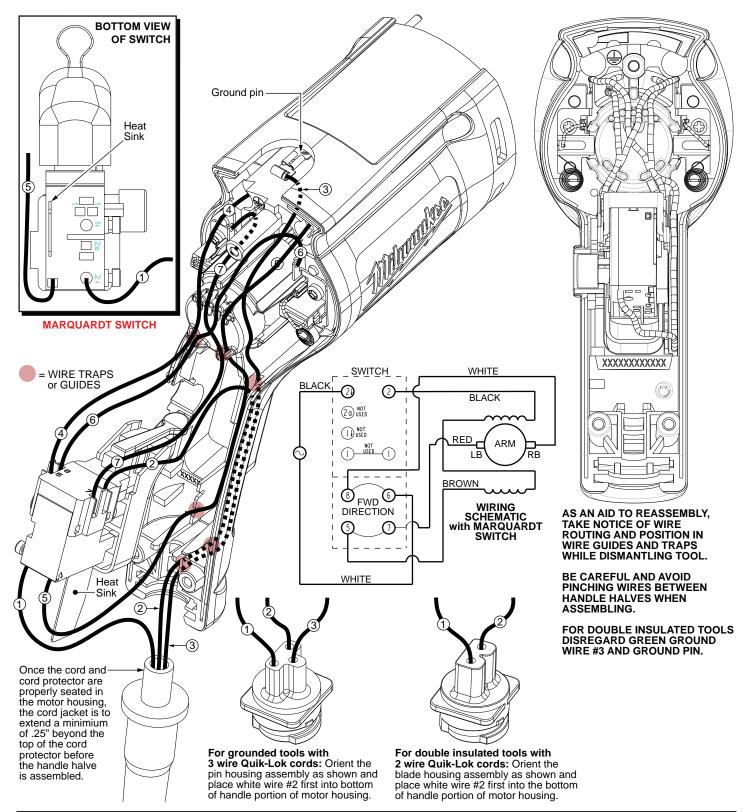
Before assembly, lightly coat all press fit areas with lightweight spindle oil.

- 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.

FIG.	PART NO.	DESCRIPTION OF PART N	O. REQ
1	02-04-0640	Ball Bearing	(1)
2	02-04-0645	Ball Bearing	(1)
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. Screv	w (1)
10	06-82-7275	7-18 x 3/4 Slotted Plastite T-20	(6)
15	12-99-2565	Service Nameplate	(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	22-64-1130	Cord Set	(1)
31a	23-66-2605	Switch (Defond) See page 2 wiring	(1)
31b	23-66-2585	Switch (Marquardt) See page 3 wirir	
33	28-14-2390	Gearcase	(1)
34	28-28-2320	Diaphragm	(1)
36	31-15-2010	Handle Halve	(1)
★ 38	31-50-3050	Motor Housing	(1)
42	32-40-0100	Intermediate Gear	(1)
43	32-75-0105	Spindle Gear	(1)
47	34-80-2300	Retaining Ring	(1)
48	36-66-0110	Intermediate Shaft	(1)
49	38-50-5735	Spindle	(1)
52	42-14-0460	Baffle Assembly	(1)
52a	45-30-0030	Slug (Not shown)	(2)
53	43-44-0985	Gasket	(1)
54	44-60-1700	Ground Pin	(1)
55	44-76-0210	Cord Protector	(1)
56	45-36-1095	Spindle Spacer	(1)
57	45-88-7990	Thrust Washer	(1)
60	48-66-0806	3/8" Chuck	(1)
60a	48-66-3080	Chuck Key (Not Shown)	(1)
62	23-52-1610	Brush Spring	(2)
63	06-75-2850	3/8-16 x 5-1/2" Hex Cap Screw	(1)
64	42-68-0800	Side Handle Clamp	(1)
65	43-62-0845	Side Handle	(1)



	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							

SERVE SPECIFY CATALOG NO.

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS

3/8" PISTOL GRIP DRILL

CATALOG NO. 0200-20

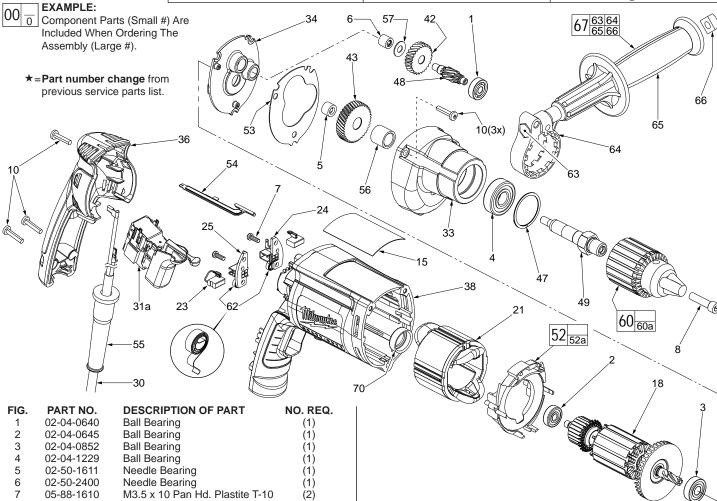
STARTING SERIAL NO.

065D

WIRING INSTRUCTION
See Pages 2 & 3

REVISED BULLETIN

54-06-2852



)				
s)	FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
)	66	06-54-0325	3/8-16 Square Nut	(1)
)	67	49-15-0265	Side Handle Assembly	(1)
)	★ 70	43-86-0125	Bearing Cup	(1)
2)		23-94-0490	White Leadwire Assy. (See pages 2 &	§ 3) (1)
)		23-94-0495	Red Leadwire Assy. (See pages 2 &	3) (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)

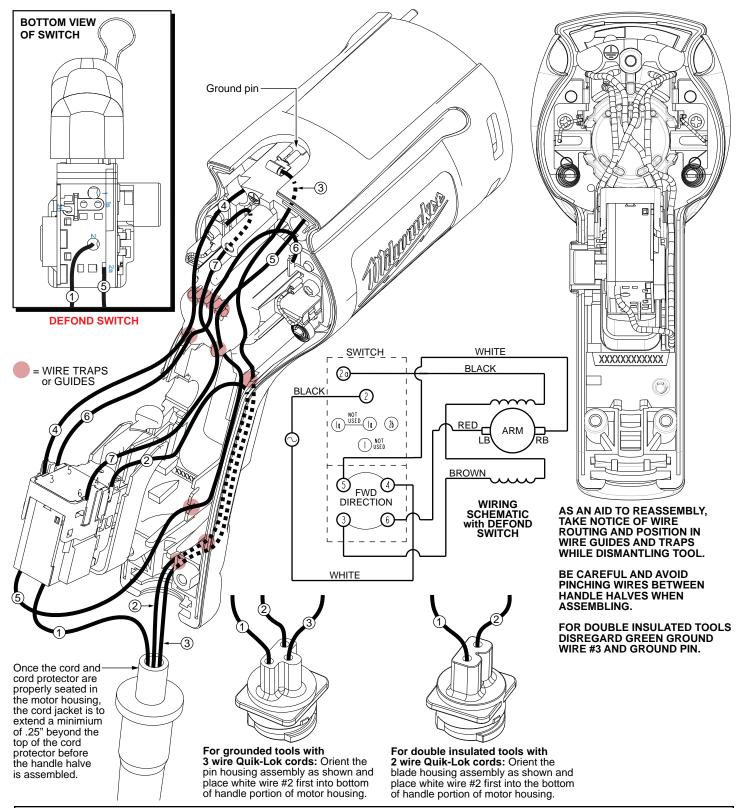
- Place 5 gm. (.02 oz.) of grease on top of the inserted intermediate ball bearing (1) and on the intermediate pinion (48).
- After inserting all gearing, place 13 gm. (.46 oz.) of grease at the armature pinion location in the gearcase (33) and fill to the top of the intermediate gear (42). Grease must contact at least 25% of the intermediate gear teeth.

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

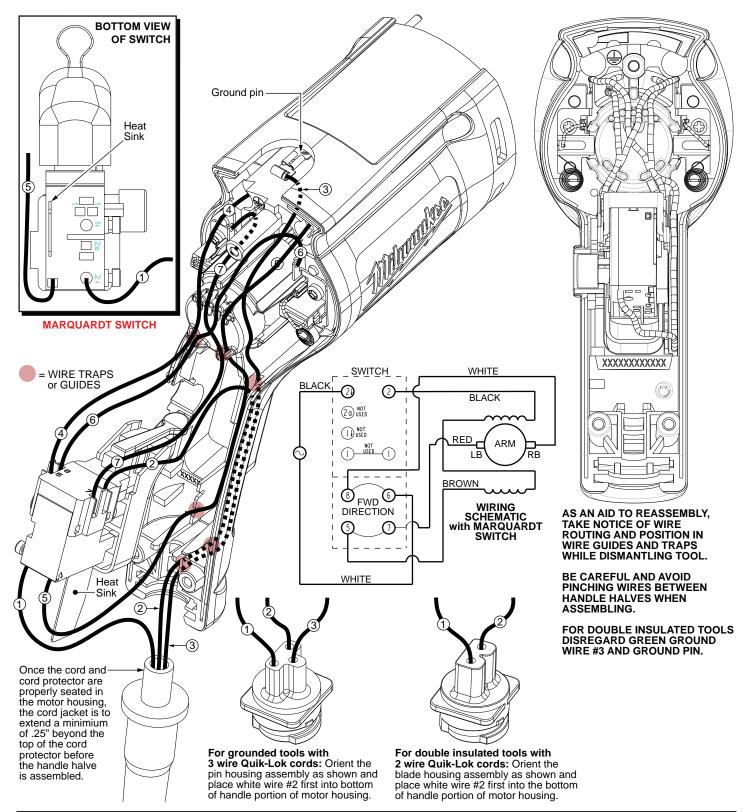
FIG. NOTES:

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

7	05-88-1610	M3.5 x 10 Pan Hd. Plastite T-10	(2)
8	06-81-2925		(1)
10	06-82-7275		(6)
15	12-99-2565		(1)
18	16-10-2215		(1)
21	18-07-7210		(1)
23	22-18-1310	Brush Assembly	(2)
24	22-20-0090		(1)
25	22-20-0095	Right Brush Holder	(1)
30	22-64-1130	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	31-15-2010		(1)
₹38	31-50-0528		(1)
42	32-40-0100		(1)
43	32-75-0105		(1)
47	34-80-2300		(1)
48	36-66-0110		(1)
49	38-50-5735		(1)
52	42-14-0460		(1)
52a	45-30-0030		(2)
53	43-44-0985		(1)
54	44-60-1700		(1)
55	44-76-0210		(1)
56	45-36-1095		(1)
57	45-88-7990		(1)
60	48-66-0806		(1)
60a	48-66-3080		(1)
62	23-52-1610		(2)
63	06-75-2850		(1)
64	42-68-0800		(1)
65	43-62-0845	Side Handle	(1)



	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							

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS

3/8 INCH DRILL with SPINDLE LOCK

REVISED BULLETIN

WIRING INSTRUCTION

SPECIFY CATALOG NO.

0202-20

STARTING SERIAL NO.

069A

58-01-1805

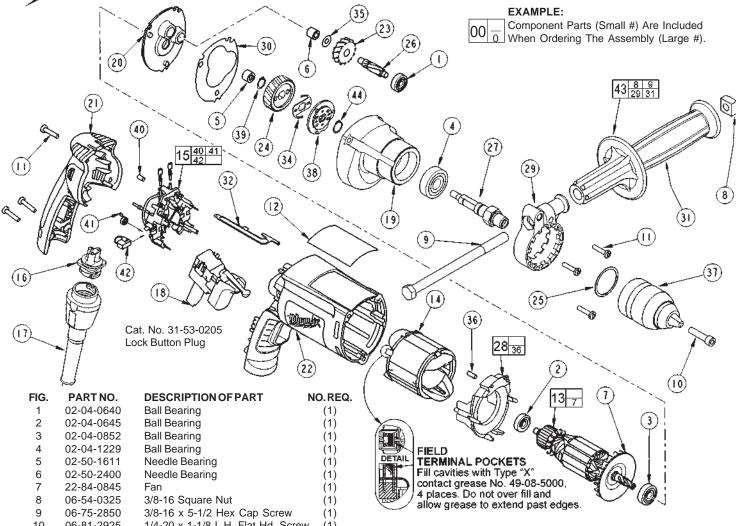


FIG.	PART NO.	DESCRIPTION OF PART	NO.REQ
40	45-30-0035	Slug	(1)
41	23-52-1610	Brush Spring	(2)
42	22-18-1310	Brush Assembly	(2)
43	49-15-0265	Side Handle Assembly	(1)
44	34-60-0900	External Retaining Ring	(1)

LUBRICATION (Type "Y" Grease, No. 49-08-5270)

- Place 5 gm. (.02 oz.) of grease on top of the inserted intermediate ball bearing (1).
- After inserting the pinion subassembly, place 13 gm. (.46 oz.) of grease at the armature pinion location in the gearcase (19) and fill to slightly above the intermediate gear (23).

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

FIG. NOTES:

- 4,24 Support the output ball bearing inside the gearcase before pressing off the spindle gear.
- 5,6 Needle bearings to be pressed flush to .010 under flush from the end which has the vendors identification.

			22)
FIG.	PART NO.	DESCRIPTION OF PART	NO.REC
1	02-04-0640	Ball Bearing	(1)
2	02-04-0645	Ball Bearing	(1)
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	22-84-0845	Fan	(1)
8	06-54-0325	3/8-16 Square Nut	(1)
9	06-75-2850	3/8-16 x 5-1/2 Hex Cap Screw	(1)
10	06-81-2925	1/4-20 x 1-1/8 L.H. Flat Hd. Screv	. (.)
11	06-82-7275	7-18 x 3/4 Slotted Plastite T-20	(6)
12	12-99-2565	Service Nameplate	(1)
13	16-10-2215	Armature	(1)
14	18-07-2200	Field	(1)
15	22-18-1210	Brush Card Assembly	(1)
16	22-56-1010	Pin Housing Assembly	(1)
17	48-76-4008	Quik-Lok Cord Set	(1)
18	23-66-2585	Switch	(1)
19	28-14-2390	Gearcase	(1)
20	28-28-2320	Diaphragm	(1)
21	31-15-2030	Handle Halve	(1)
22	31-50-2040	Motor Housing	(1)
23	32-40-0100	Intermediate Gear	(1)
24 25	32-75-0106	Spindle Gear	(1)
25 26	34-80-2300	Retaining Ring Intermediate Shaft	(1)
26 27	36-66-0110 38-50-5752	Spindle	(1)
28	42-14-0460	Baffle Assembly	(1)
29	42-68-0800	Side Handle Clamp	(1) (1)
30	43-44-0985	Gasket	(1)
31	43-62-0845	Side Handle	(1)
32	44-60-1700	Ground Pin	(1)
34	40-50-8525	Click Spring	(1)
35	45-88-7990	Thrust Washer	(1)
36	45-30-0030	Slug	(2)
37	48-66-1520	3/8 Single Sleeve Keyless Chuck	(1)
38	14-29-0040	Spindle Lock Assembly	(1)
39	34-60-0810	External Retaining Ring	(1)
	2. 22 00.0	g · ••••	(.,

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS

O/O INCLUDED I A STATE OF THE COLUMN TAKE

3/8 INCH DRILL with SPINDLE LOCK

★=Part number change from previous service parts list.

Nilwaukee

CATALOG NO. 02

0202-20 | SE

STARTING SERIAL NO.

069B

WIRING INSTRUCTION 58-01-1806

REVISED BULLETIN 54-06-2900

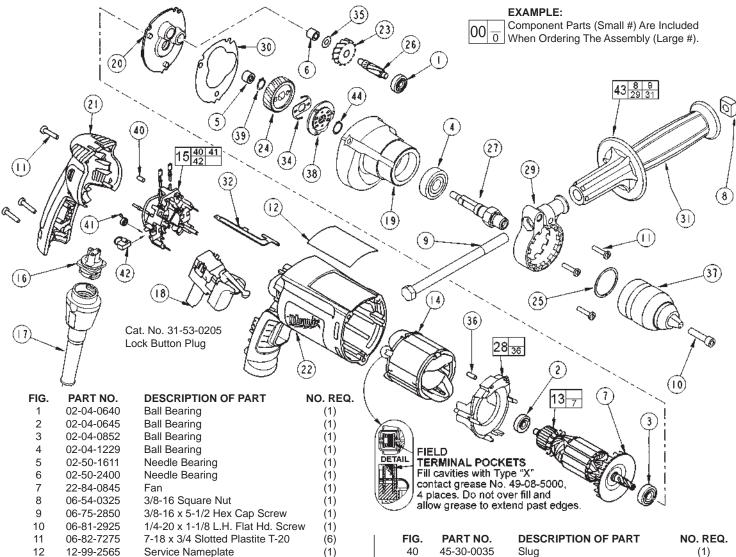


FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
40	45-30-0035	Slug	(1)
41	23-52-1610	Brush Spring	(2)
42	22-18-1310	Brush Assembly	(2)
43	49-15-0265	Side Handle Assembly	(1)
44	34-60-0900	External Retaining Ring	(1)

LUBRICATION (Type "Y" Grease, No. 49-08-5270)

- Place 5 gm. (.02 oz.) of grease on top of the inserted intermediate ball bearing (1).
- After inserting the pinion subassembly, place 13 gm. (.46 oz.) of grease at the armature pinion location in the gearcase (19) and fill to slightly above the intermediate gear (23).

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

FIG. NOTES:

- 4,24 Support the output ball bearing inside the gearcase before pressing off the spindle gear.
- 5,6 Needle bearings to be pressed flush to .010 under flush from the end which has the vendors identification.

	\bigcup	$\overline{}$	
FIG.	PART NO.	DESCRIPTION OF PART	NO. REG
1	02-04-0640	Ball Bearing	(1)
2	02-04-0645	Ball Bearing	(1)
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	22-84-0845	Fan	(1)
8	06-54-0325	3/8-16 Square Nut	(1)
9	06-75-2850	3/8-16 x 5-1/2 Hex Cap Screw	(1)
10	06-81-2925	1/4-20 x 1-1/8 L.H. Flat Hd. Screw	()
11	06-82-7275	7-18 x 3/4 Slotted Plastite T-20	(6)
12	12-99-2565	Service Nameplate	(1)
13	16-10-2215	Armature	(1)
14	18-07-2200	Field	(1)
15	22-18-1210	Brush Card Assembly	(1)
16	22-56-1010	Pin Housing Assembly	(1)
17	48-76-4008	Quik-Lok Cord Set	(1)
★ 18	23-66-2605	Switch	(1)
19	28-14-2390	Gearcase	(1)
20	28-28-2320	Diaphragm	(1)
21	31-15-2030	Handle Halve	(1)
★ 22	31-50-4040	Motor Housing	(1)
23	32-40-0100	Intermediate Gear	(1)
24	32-75-0106	Spindle Gear	(1)
25	34-80-2300	Retaining Ring	(1)
26	36-66-0110	Intermediate Shaft	(1)
27	38-50-5752	Spindle	(1)
28	42-14-0460	Baffle Assembly	(1)
29	42-68-0800	Side Handle Clamp	(1)
30	43-44-0985	Gasket	(1)
31	43-62-0845	Side Handle	(1)
32	44-60-1700	Ground Pin	(1)
34	40-50-8525	Click Spring	(1)
35	45-88-7990	Thrust Washer	(1)
36	45-30-0030	Slug	(2)
37	48-66-1520	3/8 Single Sleeve Keyless Chuck	(1)
38 39	14-29-0040	Spindle Lock Assembly	(1)
39	34-60-0810	External Retaining Ring	(1)

Milwaukee

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS

3/8" PISTOL GRIP DRILL with SPINDLE LOCK

CATALOG NO. 0202-20

STARTING SERIAL NO.

069C

REVISED BULLETIN 54-06-2901

WIRING INSTRUCTION
See Pages 2 & 3

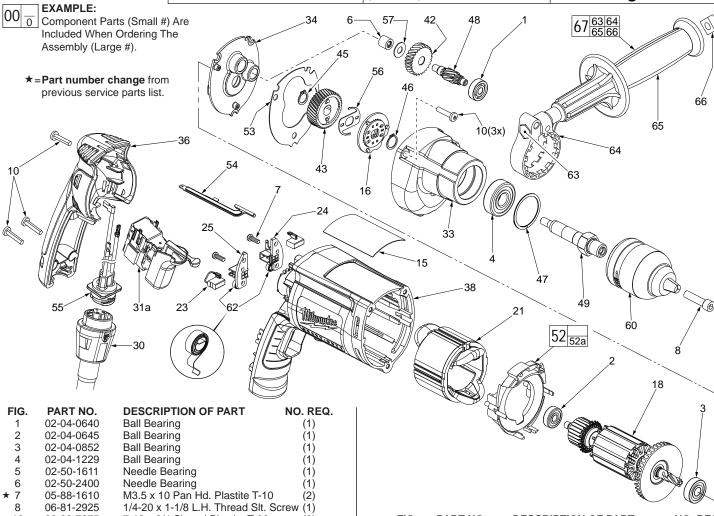


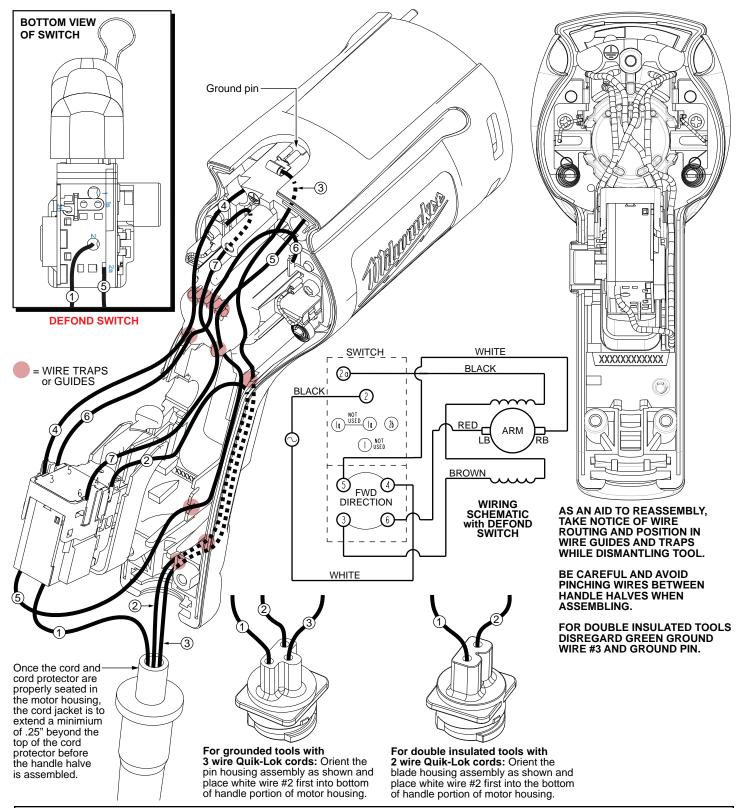
FIG	. PART NO.	DESCRIPTION OF PART	NO. REQ.
64	42-68-0800	Side Handle Clamp	(1)
65	43-62-0845	Side Handle	(1)
66	06-54-0325	3/8-16 Square Nut	(1)
67	49-15-0265	Side Handle Assembly	(1)
*	23-94-0490	White Leadwire Assy. (See page	es 2 & 3) (1)
*	23-94-0495	Red Leadwire Assy. (See pages	s 2 & 3) (1)

- 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.

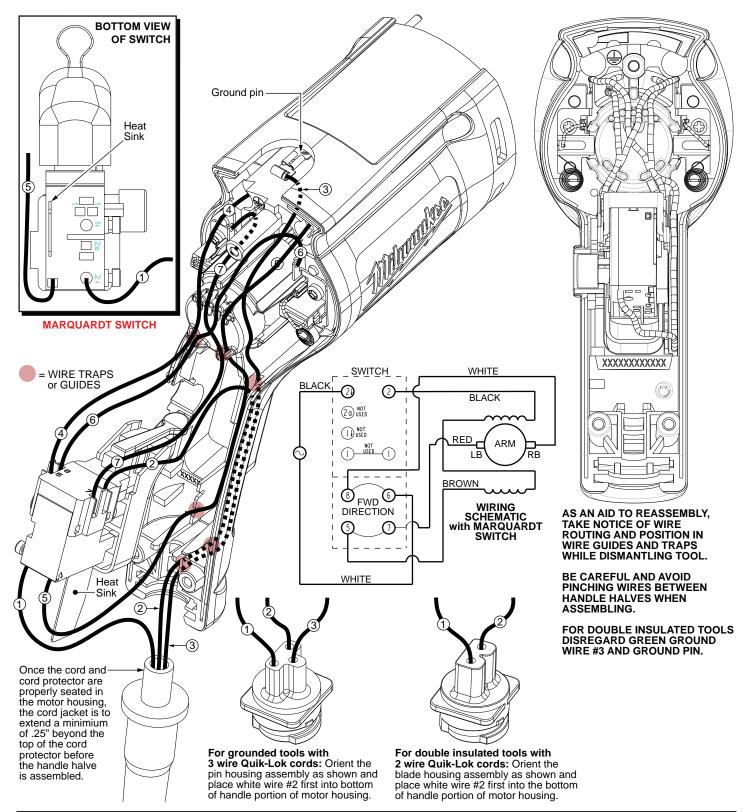
Before assembly, lightly coat all press fit areas with lightweight spindle oil.

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

FIG.	PART NO.	DESCRIPTION OF PART N	IO. REQ.
1	02-04-0640	Ball Bearing	(1)
2	02-04-0645	Ball Bearing	(1)
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. Scre	
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 wiri	ng(1)
33	28-14-2390	Gearcase	(1)
34	28-28-2320	Diaphragm	(1)
36	31-15-2030	Handle Halve	(1)
★ 38	31-50-3040	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)
53	43-44-0985	Gasket	(1)
54	44-60-1700	Ground Pin	(1)
55	22-56-1010	Pin Housing Assembly	(1)
56	40-50-8525	Click Spring	(1)
57	45-88-7990	Thrust Washer	(1)
60	48-66-1520	3/8" Single Sleeve Keyless Chuck	(1)
62	23-52-1610	Brush Spring	(2)
63	06-75-2850	3/8-16 x 5-1/2" Hex Cap Screw	(1)



	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				

STARTING SERIAL NO.

069D

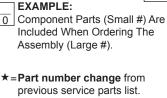
Milwaukee SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS 3/8" PISTOL GRIP DRILL with SPINDLE LOCK

0202-20

CATALOG NO.

REVISED BULLETIN 54-06-2902

> WIRING INSTRUCTION See Pages 2 & 3



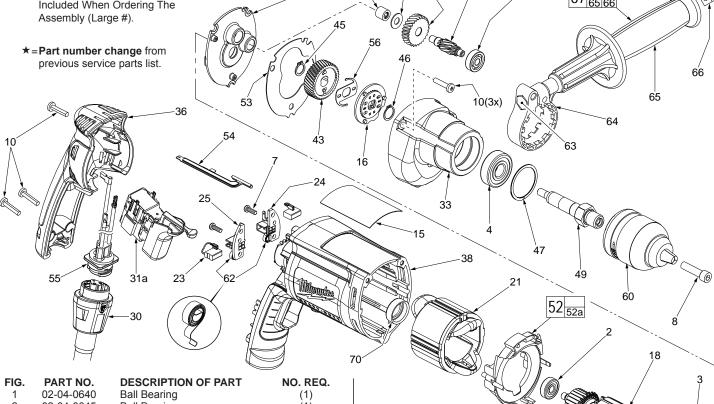


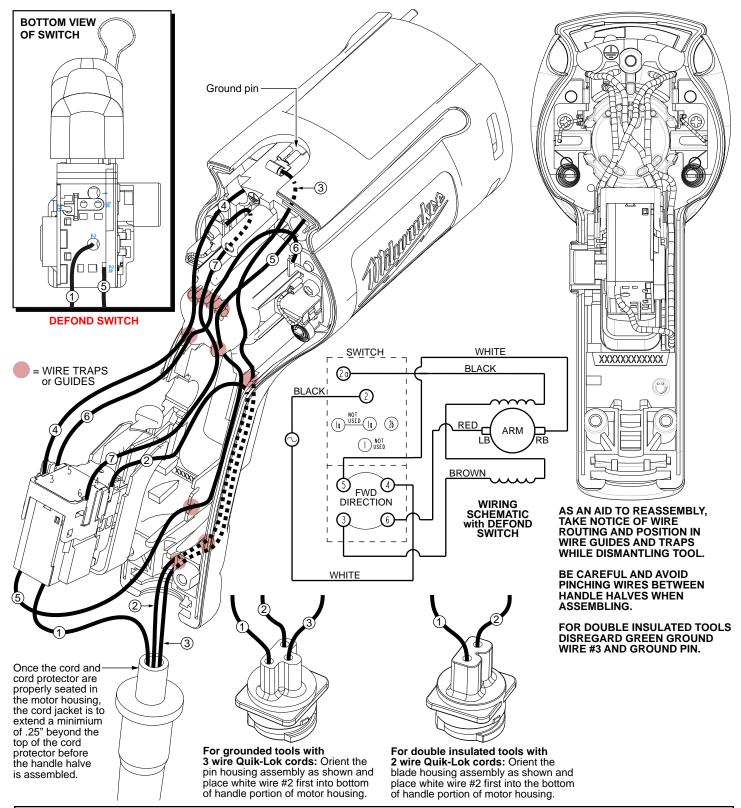
FIG.	PART NO.	DESCRIPTION OF PART NO.	REQ.
1	02-04-0640	Ball Bearing	(1)
2	02-04-0645	Ball Bearing	(1)
3	02-04-0852	Ball Bearing	(1)
4	02-04-1229	Ball Bearing	(1)
5	02-50-1611	Needle Bearing	(1)
6	02-50-2400	Needle Bearing	(1)
7	05-88-1610	M3.5 x 10 Pan Hd. Plastite T-10	(2)
8	06-81-2925	1/4-20 x 1-1/8 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		(1)
23	22-18-1310		(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		(1)
36	31-15-2030		(1)
★ 38	31-50-0525		(1)
42	32-40-0100		(1)
43	32-75-0106		(1)
45	34-60-0810		(1)
46	34-60-0900		(1)
47	34-80-2300		(1)
48	36-66-0110		(1)
49	38-50-5752		(1)
52	42-14-0460		(1)
52a	45-30-0030		(2)
53	43-44-0985		(1)
54	44-60-1700		(1)
55	22-56-1010		(1)
56	40-50-8525		(1)
57	45-88-7990		(1)
60	48-66-1520		(1)
62	23-52-1610		(2)
63	06-75-2850	3/8-16 x 5-1/2" Hex Cap Screw	(1)

	-10	DART NO	DECORPTION OF DARE	10 050
	FIG.	PART NO.		IO. 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)
*	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 & 3	3) (1)
		48-66-4040	Chuck Key Holder (Not Shown)	(1)
		31-53-0205	Lock Button Plug (Not Shown)	(1)

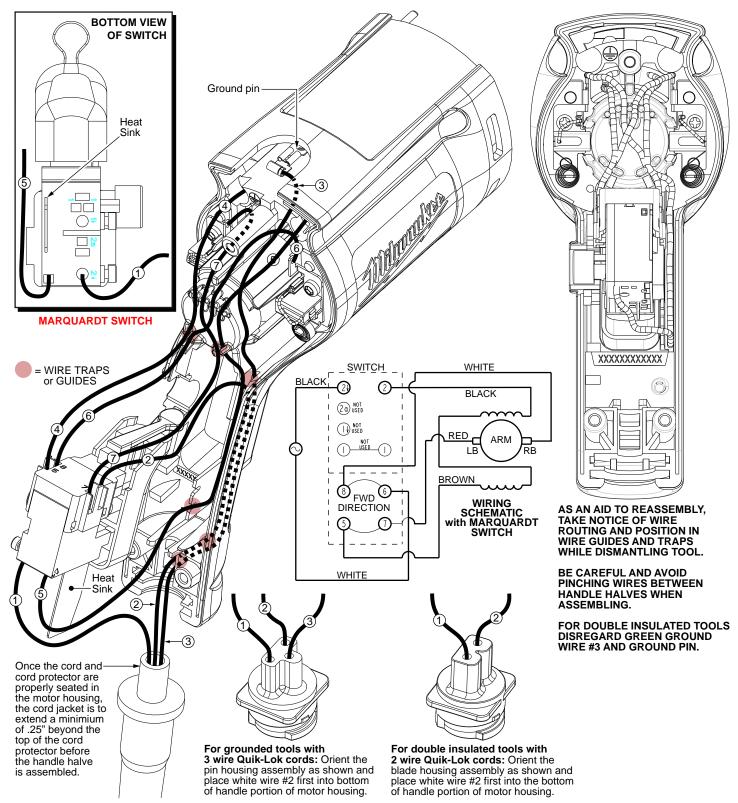
- **LUBRICATION (Type "Y" Grease, No. 49-08-5270)** Place 5 gm. (.02 oz.) of grease on top of the inserted intermediate ball bearing (1) and on the intermediate pinion (48).
- · After inserting all gearing, place 13 gm. (.46 oz.) of grease at the armature pinion location in the gearcase (33) and fill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

- 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.



	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	