

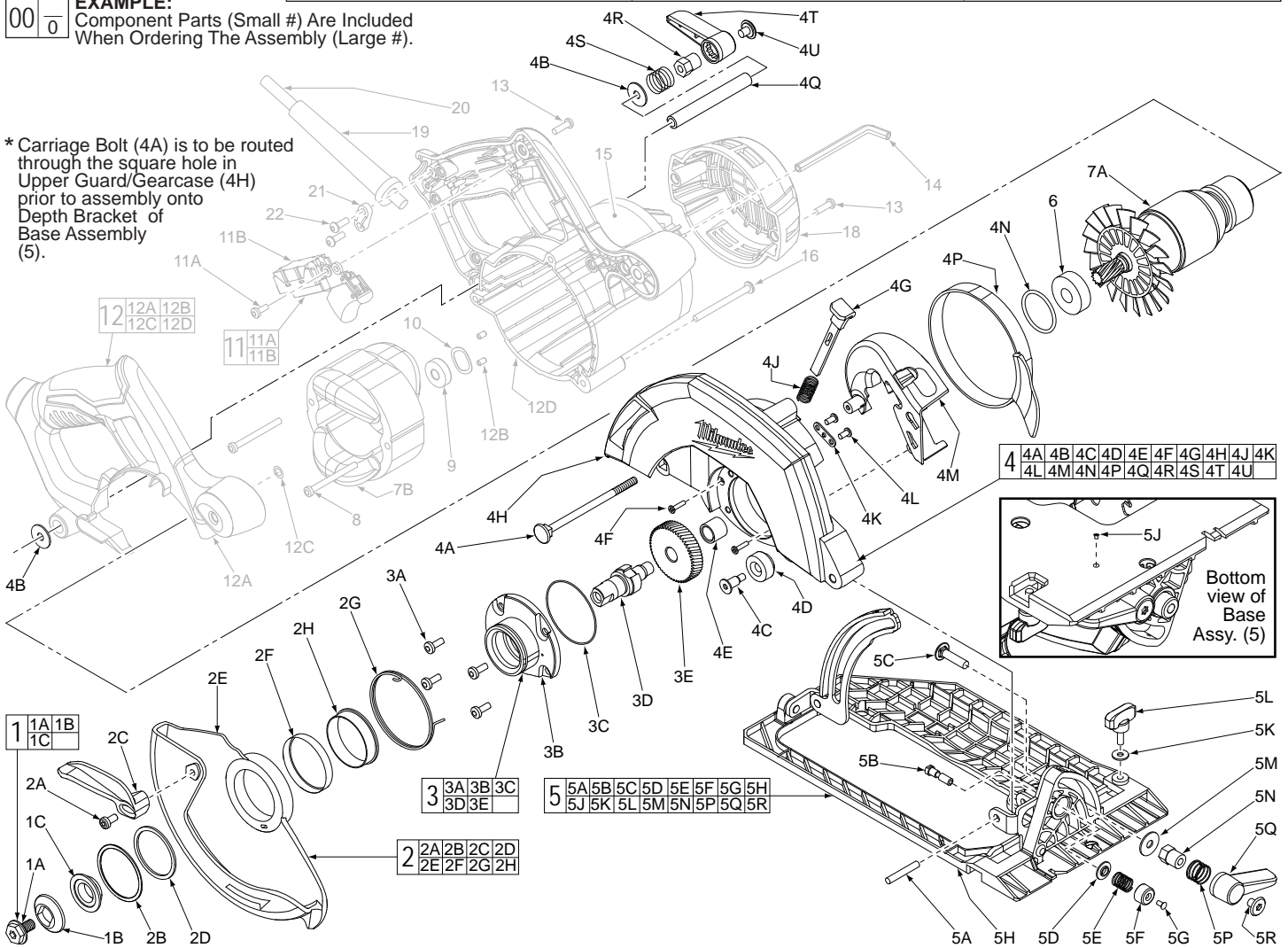


SERVICE PARTS LIST

BULLETIN NO.
54-40-6100

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS		REVISED BULLETIN	DATE
7-1/4" CIRCULAR SAW			Nov. 2012
CATALOG NO. 6430-20	STARTING SERIAL NO. C53A	WIRING INSTRUCTION See Page Three	

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



* Carriage Bolt (4A) is to be routed through the square hole in Upper Guard/Gearcase (4H) prior to assembly onto Depth Bracket of Base Assembly (5).

FIG.	PART NO.	DESCRIPTION OF PART	QTY. REQ.
1	43-34-0500	Flange Assembly	(1)
1A	06-75-0035	5/16-18 x 9/16" UNC-2A Blade Screw	(1)
1B	43-34-0096	Outer Blade Flange	(1)
1C	43-34-0092	Inner Blade Flange	(1)
2	28-41-0980	Lower Guard Assembly	(1)
2A	05-81-0134	M5 x 8 Pan Hd. Taptite T-25 Screw	(1)
2B	34-60-0720	External Retaining Ring	(1)
2C	31-52-0028	Lower Guard Lever	(1)
2D	45-88-0598	Flat Washer	(1)
2E	28-41-0979	Lower Guard	(1)
2F	45-22-0615	Lower Guard Sleeve	(1)
2G	40-50-0301	Torsion Spring	(1)
2H	45-22-0605	Lower Guard Sleeve	(1)
3	32-75-3206	Gear Assembly	(1)
3A	06-82-5314	10-24 x 1/2" Pan Hd. Plast. T-20 Screw	(4)
3B	45-60-0360	Lower Guard Support (Hub)	(1)
3C	34-40-1380	O-Ring-Hub	(1)
3D	-----	Spindle Shaft	(1)
3E	-----	Helical Gear	(1)
4	28-41-0985	Upper Guard Assembly	(1)
4A	42-32-0075	Depth Adjustment Bolt	(1)
4B	45-88-0599	Flat Washer	(2)
4C	45-04-2020	M6 x 20mm Flat Hd. Taptite T-30 Screw	(1)
4D	42-38-0235	Rubber Bumper	(1)
4E	02-50-2423	Needle Bearing	(1)
4F	06-82-1085	M3 x 14mm ST Screw	(2)
4G	44-20-1110	Spindle Lock	(1)
4H	28-41-0984	Upper Guard	(1)
4J	40-50-0343	Spindle Lock Spring	(1)
4K	42-68-1050	Spindle Lock Clamp	(1)
4L	06-82-1095	M4 x 8mm Pan Hd. Plast. T-20 Screw	(2)
4M	31-05-0430	Baffle #1	(1)
4N	34-40-1390	O-Ring	(1)
4P	31-05-0435	Baffle #2	(1)

FIG.	PART NO.	DESCRIPTION OF PART	QTY. REQ.
4Q	45-76-0905	Depth Adjustment Tube	(1)
4R	06-55-3705	Lever Nut	(1)
4S	40-50-2115	Lever Spring	(1)
4T	44-10-0640	Depth Adjustment Lever	(1)
4U	05-81-1225	1/4-20 Flat Hd. T-20 Screw	(1)
5	28-06-1290	Base Assembly	(1)
5A	06-65-3765	Roll Pin	(1)
5B	06-65-3770	Bevel Pin	(1)
5C	06-10-1030	Carriage Bolt	(1)
5D	45-88-8550	Bevel Washer	(1)
5E	40-50-2110	Bevel Spring	(1)
5F	42-42-1085	Bevel Button	(1)
5G	05-81-1205	M3 x 0.5mm Flat Hd. T-10 Screw	(1)
5H	44-66-1220	Base Plate	(1)
5J	05-81-0020	Torx T-8 Adjustment Screw	(1)
5K	05-90-0195	Spring Lock Washer	(1)
5L	43-98-0045	Rip Guide Knob	(1)
5M	45-88-0599	Washer	(1)
5N	06-55-3705	Bevel Lever Nut	(1)
5P	40-50-2115	Bevel Lever Spring	(1)
5Q	44-10-0790	Bevel Adjustment Lever	(1)
5R	05-81-1225	1/4-20 Flat Hd. T-20 Screw	(1)
6	02-04-1850	Ball Bearing	(1)
7A	16-70-0058	120V Armature	(1)

SEE PAGE TWO FOR ADDITIONAL SERVICE PARTS LISTING AND FOR LUBRICATION AND SERVICING NOTES

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Drwg. 4

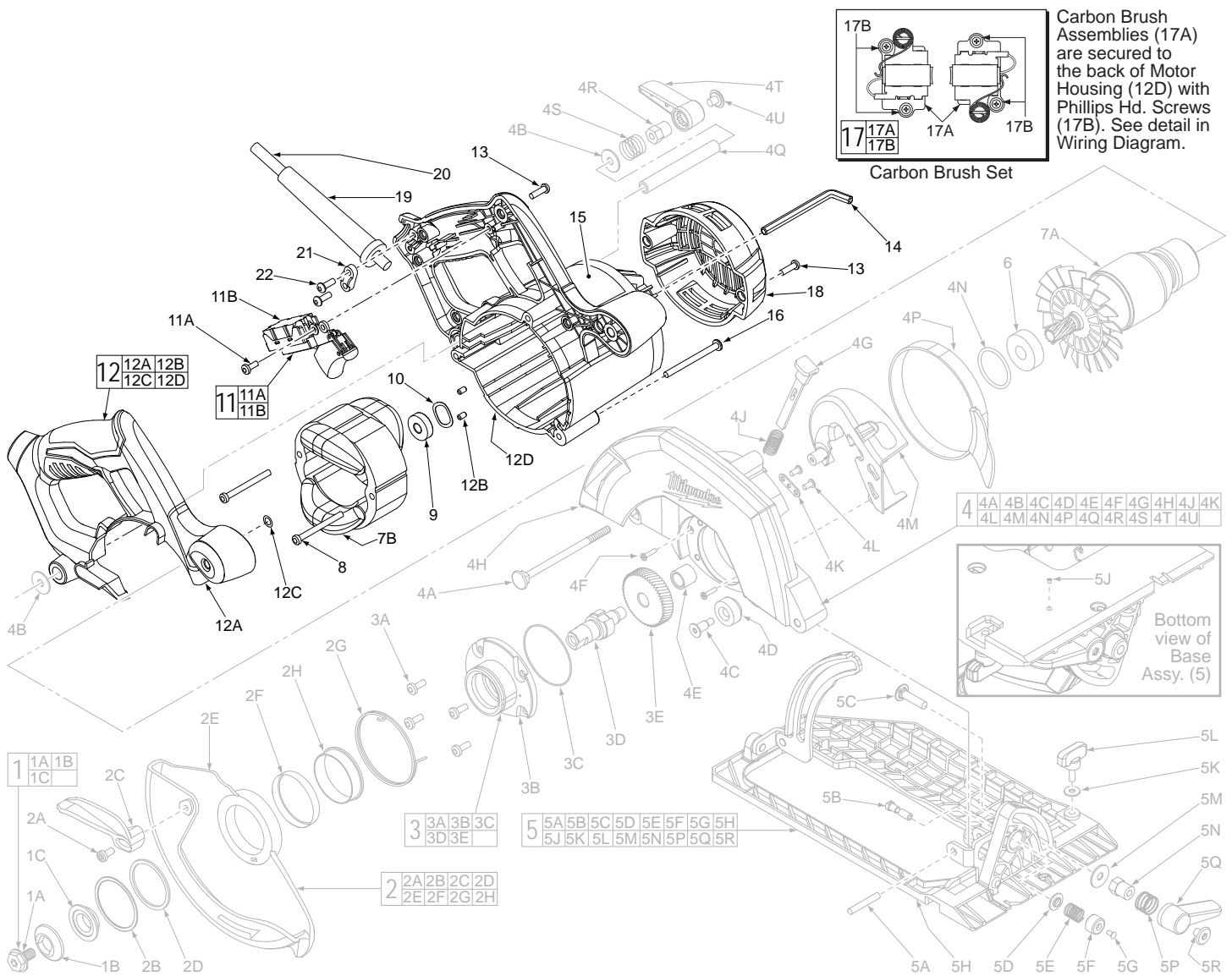


FIG.	PART NO.	DESCRIPTION OF PART	QTY. REQ.
7B	18-70-0048	120V Field	(1)
8	06-82-7395	8-16 x 1.75" Pan Hd. Plast. T-20 Screw	(2)
9	02-04-0847	Ball Bearing	(1)
10	45-88-0577	Washer	(1)
11	23-66-2106	Switch Assembly	(1)
11A	06-82-1075	M4 x 12mm Plast. Phillips Hd. Screw	(1)
11B	23-66-2870	Switch	(1)
12	31-44-0076	Handle Assembly	(1)
12A	31-15-1580	Housing Cover	(1)
12B	31-53-0240	Rubber Plug	(2)
12C	34-40-1385	O-Ring	(1)
12D	31-50-2125	Motor Housing	(1)
13	06-82-7270	8-16 x .625" Pan Hd. Sl. Plast. T-20 Screw	(8)
14	45-96-0330	6mm Hex Key Wrench	(1)
15	12-20-6430	Service Nameplate Kit	(1)
16	05-88-1365	M5 x 58mm Pan Hd. Taptite T-20 Screw	(3)
17	22-22-1020	120V Carbon Brush Set	(1)
17A	22-16-0430	120V Carbon Brush Assembly	(2)
17B	06-82-1065	M3 x 12mm Plast. Phillips Hd. Screw	(4)
18	31-12-0051	End Cap	(1)
19	44-76-0050	Cord Protector	(1)
20	22-64-0101	120V Power Cord	(1)
21	31-17-0195	Cord Clamp	(1)
22	05-88-1360	M4 x 13.5mm Pan Hd. Plast. T-20 Screw	(2)
24	42-36-1545	Rip Guide (Not Shown)	(1)

- FIG. NOTES**
- 2E Functionally check the Lower Guard (2E) with the saw set at full depth of cut. Place the saw upside down with the Shoe (5H) horizontal. Fully retract the Guard using Guard Lever (2C) and then release it. The Guard must close briskly. Repeat Guard check two more times.
 - 3D,4G Functionally check the Spindle Lock (4G). Spindle Lock must return briskly when released from engagement in Spindle Shaft (3D).
 - 4C Apply "Blue" Loctite, Type 242 to threads of the Rubber Bumper Screw (4C) prior to assembly.
 - 4E Orient the Needle Bearing (4E) such that the vendor I.D. is facing the Gear (3E). Press the bearing .045" subflush to the gear cavity wall in the Upper Guard/Gearcase (4H).
 - 5G Apply "Blue" Loctite, Type 242 to the threads of the Bevel Detent Screw (5G) prior to assembly.
 - 9 Orient the Ball Bearing (9) such that the seal faces the commutator of the Armature (7A).

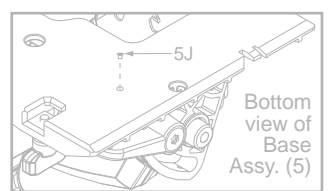
FIG. LUBRICATION

4H,4N,6 Apply a light film of grease or oil to the O-Ring (4N) and the bearing bore in the Upper Guard/Gearcase (4H) before assembling the Armature Bearing (6).

4H Place 1/2 Oz. Type "Y" Grease, No. 49-08-5270 in gear cavity of Upper Guard/Gearcase (4H).
NOTE: 90-95% of the old grease must be removed prior to new grease being added.

Carbon Brush Assemblies (17A) are secured to the back of Motor Housing (12D) with Phillips Hd. Screws (17B). See detail in Wiring Diagram.

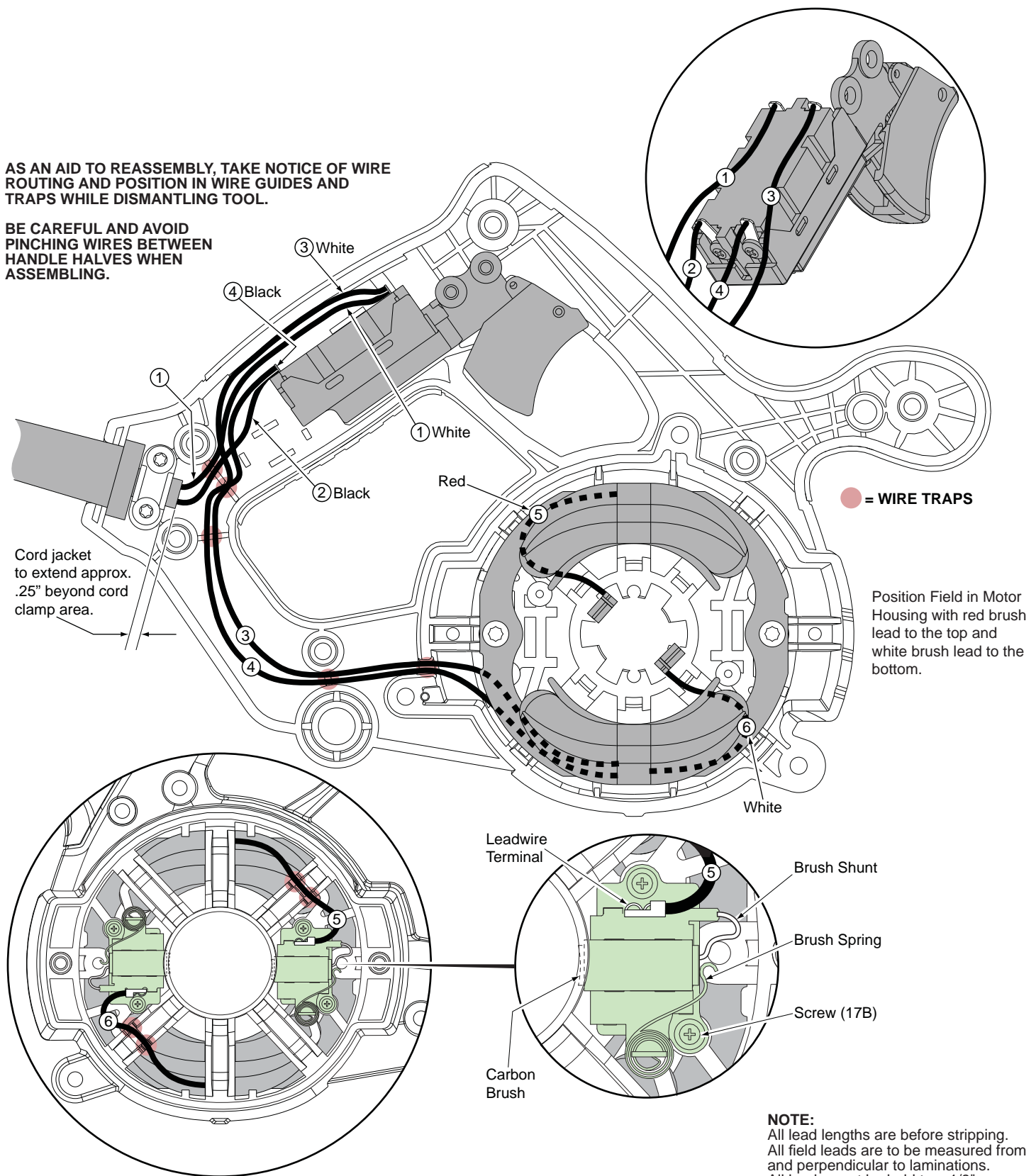
Carbon Brush Set



Bottom view of Base Assy. (5)

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 lead lengths are before stripping.
All field leads are to be measured from and perpendicular to laminations.
All leads must be held to $\pm 1/8"$.

WIRING SPECIFICATIONS					
Wire No.	Wire Color	Origin or Part No.	Gauge	Length	Terminals, Connectors and End Wire Preparation
1	White	Cord	----	----	From power cord to top left position on switch.
2	Black	Cord	----	----	From power cord to bottom left position on switch.
3	White	Field	----	----	From bottom of field to top right position on switch.
4	Black	Field	----	----	From bottom of field to bottom right position on switch.
5	Red	Field	----	----	From top of field to right carbon brush assembly.
6	White	Field	----	----	From bottom of field to left carbon brush assembly.

TERMINAL DESCRIPTION		
Code	Part No.	Qty.

CONNECTOR DESCRIPTION		
Code	Part No.	Qty.