



SERVICE PARTS LIST

BULLETIN NO.
54-40-7020

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS		REVISED BULLETIN	DATE
CORDLESS CIRCULAR SAW			May 2006
CATALOG NO. 0730-20	STARTING SERIAL NO. A57A	WIRING INSTRUCTION SEE REVERSE SIDE	

EXAMPLE:

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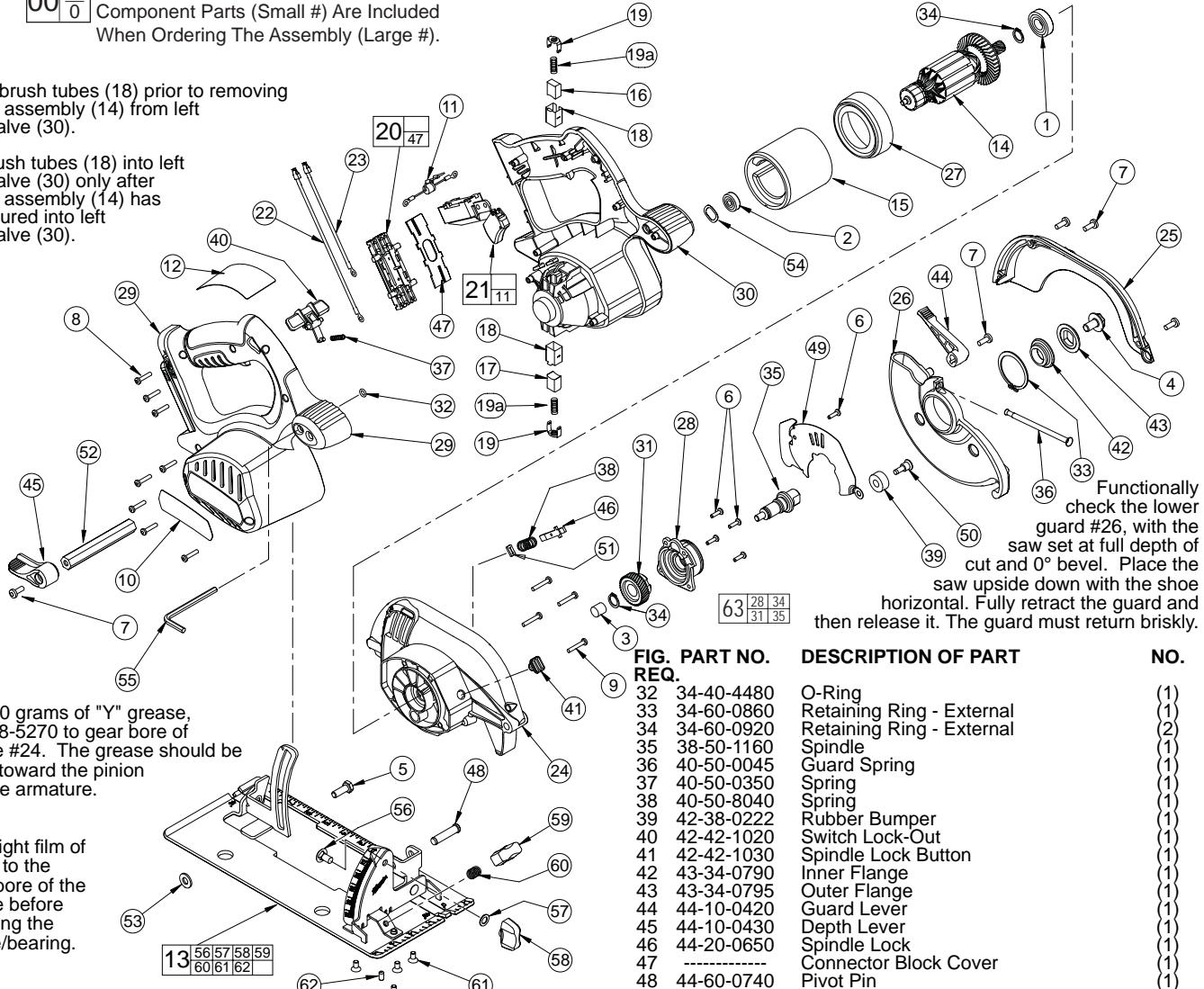
 Component Parts (Small #) Are Included
 When Ordering The Assembly (Large #).

NOTE:
Remove brush tubes (18) prior to removing armature assembly (14) from left handle half (30).

Install brush tubes (18) into left handle half (30) only after armature assembly (14) has been secured into left handle half (30).

Apply 3.0 grams of "Y" grease, No. 49-08-5270 to gear bore of gearcase #24. The grease should be directed toward the pinion end of the armature.

Apply a light film of lubricant to the bearing bore of the gearcase before assembling the armature/bearing.

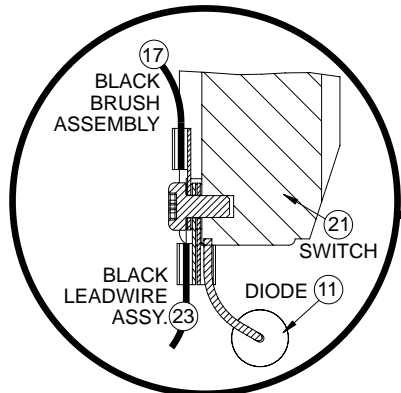
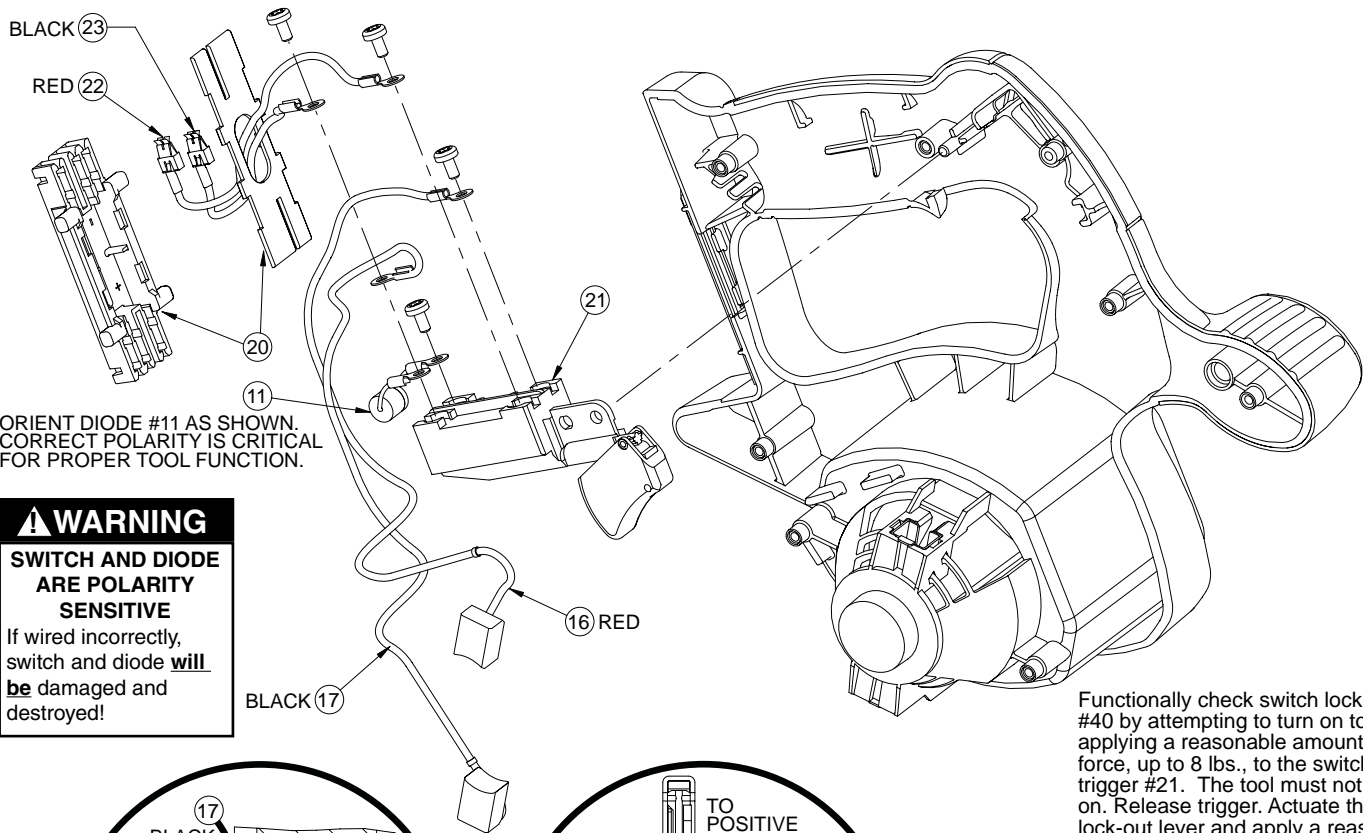


Functionally check the lower guard #26, with the saw set at full depth of cut and 0° bevel. Place the saw upside down with the shoe horizontal. Fully retract the guard and then release it. The guard must return briskly.

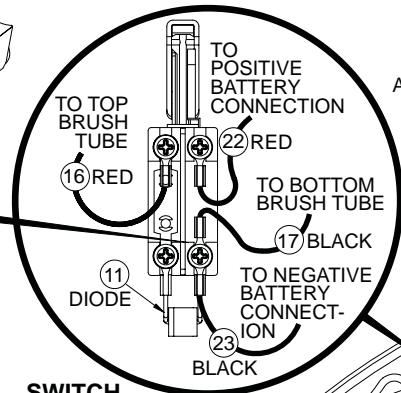
FIG. PART NO.	DESCRIPTION OF PART	NO. REQ.
1	02-04-1212 Ball Bearing	(1)
2	02-04-5130 Ball Bearing	(1)
3	02-50-1640 Needle Bearing	(1)
4	06-75-1010 Left Hand Screw	(1)
5	06-75-5860 1/4-20 x 3/4 Screw	(1)
6	06-82-5285 6-32 x .5 Pan Hd. Taptite Screw T-15	(5)
7	06-82-5314 10-24 x .5 Pan Hd. Taptite Screw T-25	(5)
8	06-82-7470 6-19 x .687 Plastite Torx Screw T-15	(8)
9	06-82-7475 6-19 x .875 Plastite Torx Screw T-15	(4)
10	10-20-2840 Logo Label	(1)
11	22-74-0510 Diode Assembly	(1)
12	12-20-3340 Service Nameplate	(1)
13	14-74-0310 Shoe Assembly	(1)
14	16-01-2125 Armature	(1)
15	18-01-2000 Field	(1)
16	22-18-1240 Brush Assembly - Red	(1)
17	22-18-1245 Brush Assembly - Black	(1)
18	22-20-0425 Brush Tube	(2)
19	22-32-0420 Brush Spring Clip	(2)
19a	40-50-8745 Brush Spring	(2)
20	22-56-0975 Connector Block Assembly	(1)
21	23-66-1005 Service Switch	(1)
22	23-94-4290 Leadwire Assembly - Red	(1)
23	23-94-4295 Leadwire Assembly - Black	(1)
24	28-14-0746 Gearcase	(1)
25	28-20-1160 Upper Guard Cover	(1)
26	28-41-0955 Lower Guard	(1)
27	31-05-0350 Baffle	(1)
28	31-15-0601 Gearcase Cover	(1)
29	31-44-2040 Right Handle Halve	(1)
30	31-44-2045 Left Handle Halve	(1)
31	32-75-1310 Spindle Gear	(1)

FIG. PART NO. REQ.	DESCRIPTION OF PART	NO.
32	34-40-4480 O-Ring	(1)
33	34-60-0860 Retaining Ring - External	(1)
34	34-60-0920 Retaining Ring - External	(2)
35	38-50-1160 Spindle	(1)
36	40-50-0045 Guard Spring	(1)
37	40-50-0350 Spring	(1)
38	40-50-8040 Spring	(1)
39	42-38-0222 Rubber Bumper	(1)
40	42-42-1020 Switch Lock-Out	(1)
41	42-42-1030 Spindle Lock Button	(1)
42	43-34-0790 Inner Flange	(1)
43	43-34-0795 Outer Flange	(1)
44	44-10-0420 Guard Lever	(1)
45	44-10-0430 Depth Lever	(1)
46	44-20-0650 Spindle Lock	(1)
47	Connector Block Cover	(1)
48	44-60-0740 Pivot Pin	(1)
49	44-66-0560 Retaining Plate	(1)
50	45-04-0485 Bumper Screw	(1)
51	45-06-0720 Felt Seal	(1)
52	45-08-0395 Depth Shaft	(1)
53	45-88-1515 Washer	(1)
54	45-88-5615 Wave Spring Washer	(1)
55	49-96-0080 3/16 Hex Key	(1)
56	06-10-0660 1/4-20 x 1/2 Short Neck Carriage Bolt	(1)
57	45-88-1560 Washer	(1)
58	43-98-0730 Bevel Adjustment Knob	(1)
59	43-98-0720 Rip Fence Knob	(1)
60	40-50-0650 Spring	(1)
61	06-82-9605 10-32 x 3/8 CSK Machine Screw T-25	(4)
62	06-83-1600 10-32 x 3/8 Set Screw	(1)
* 63	14-46-2575 Gear Service Assembly	(1)
	49-22-1001 Rip Fence (Not Shown)	(1)

FIG. NOTE:
 2 Orient the ball bearing so that the seal faces the commutator and the shield faces the shaft end.
 3 Press needle bearing flush to .015 sub-flush in gearcase.
 20,47 Concave side of connector block cover to face connector block.
 26,33 Position retaining ring with rounded edge facing lower guard.



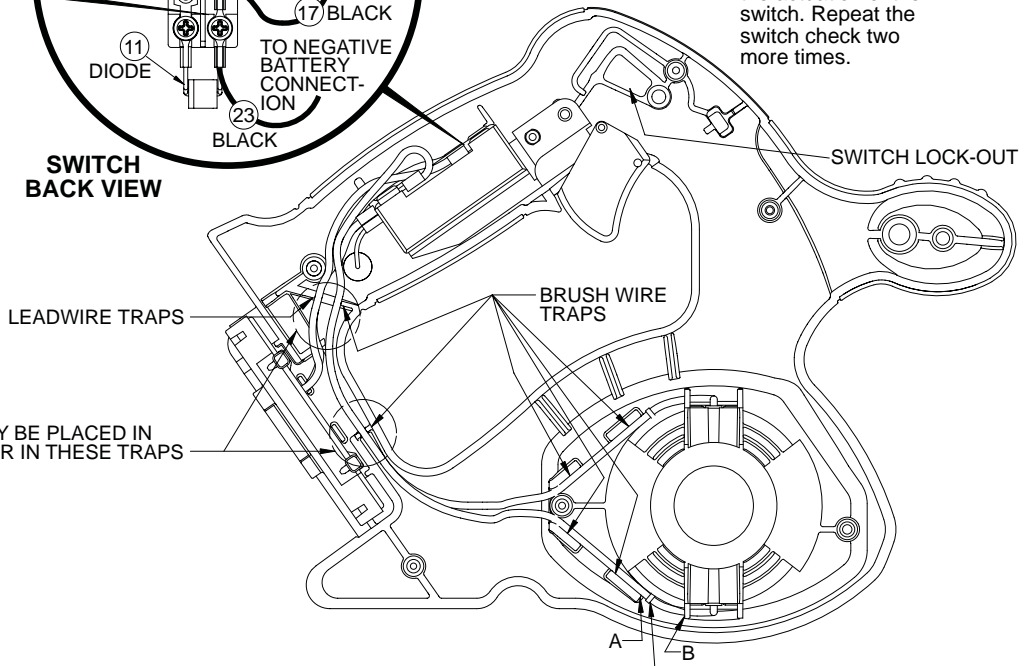
SWITCH DETAIL



SWITCH BACK VIEW

ALL TERMINALS MUST BE ORIENTED AS SHOWN IN THESE VIEWS.

Functionally check switch lock-out #40 by attempting to turn on tool by applying a reasonable amount of force, up to 8 lbs., to the switch trigger #21. The tool must not turn on. Release trigger. Actuate the lock-out lever and apply a reasonable amount of force to the switch trigger. The tool must turn on. While the trigger is still in the "ON" position, release the lock-out. Release the trigger. The tool must stop and the lock-out lever must again prevent the actuation of the switch. Repeat the switch check two more times.



WIRING SPECIFICATIONS

Wire No.	Wire Color	Origin or Gauge	Length	Terminals, Connectors and 1 or 2 End Wire Preparation
16	Red	22-18-1240	----	Carbon brush assembly.
17	Black	22-18-1245	----	Carbon brush assembly.
22	Red	23-94-4290	----	Leadwire assembly.
23	Black	23-94-4295	----	Leadwire assembly.
		22-74-0510	----	Diode assembly.

BULK LEAD WIRE - BULLETIN NO. 58-01-0003

TERMINAL DESCRIPTION

Code	Part No.	Qty.