

REPAIR SHEET

BRAND

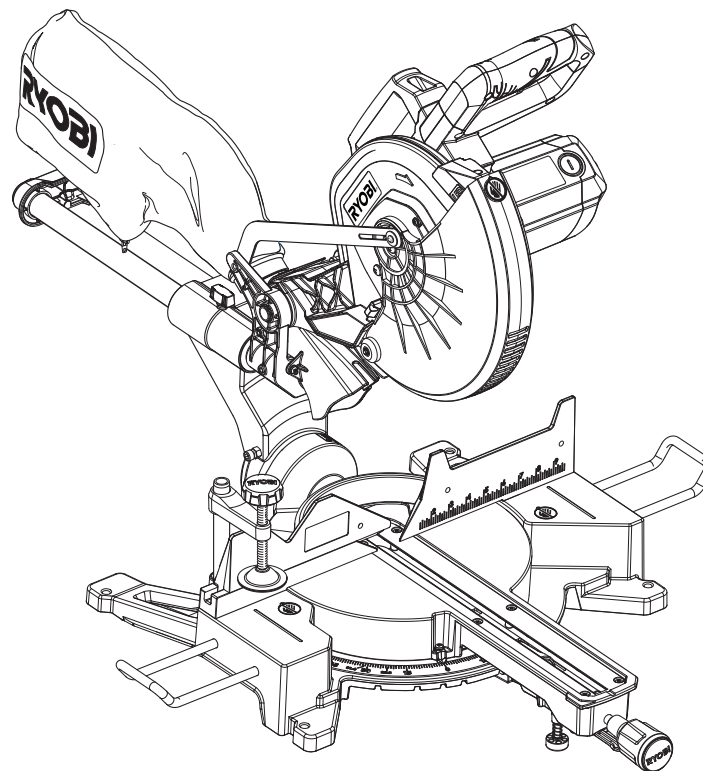
RYOBI

MODEL NO.

TSS121/TSS121T

DESCRIPTION

12 in. Sliding Compound Miter Saw

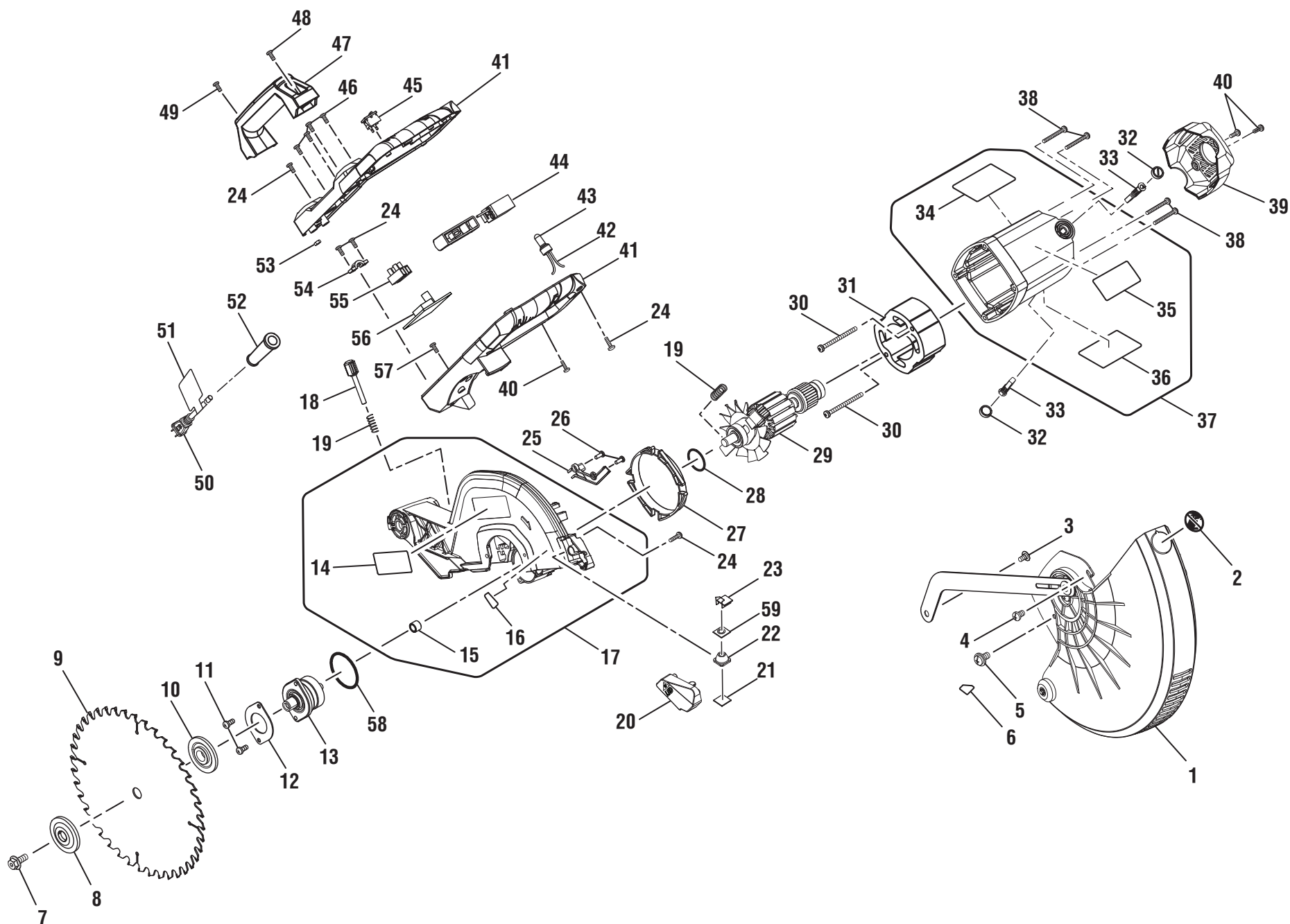


ONE WORLD TECHNOLOGIES, INC.

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2-18-21 (Rev:04)

The model number and manufacturing location will be found on a label attached to the product. Always mention this information in all communications regarding this product and when ordering parts.



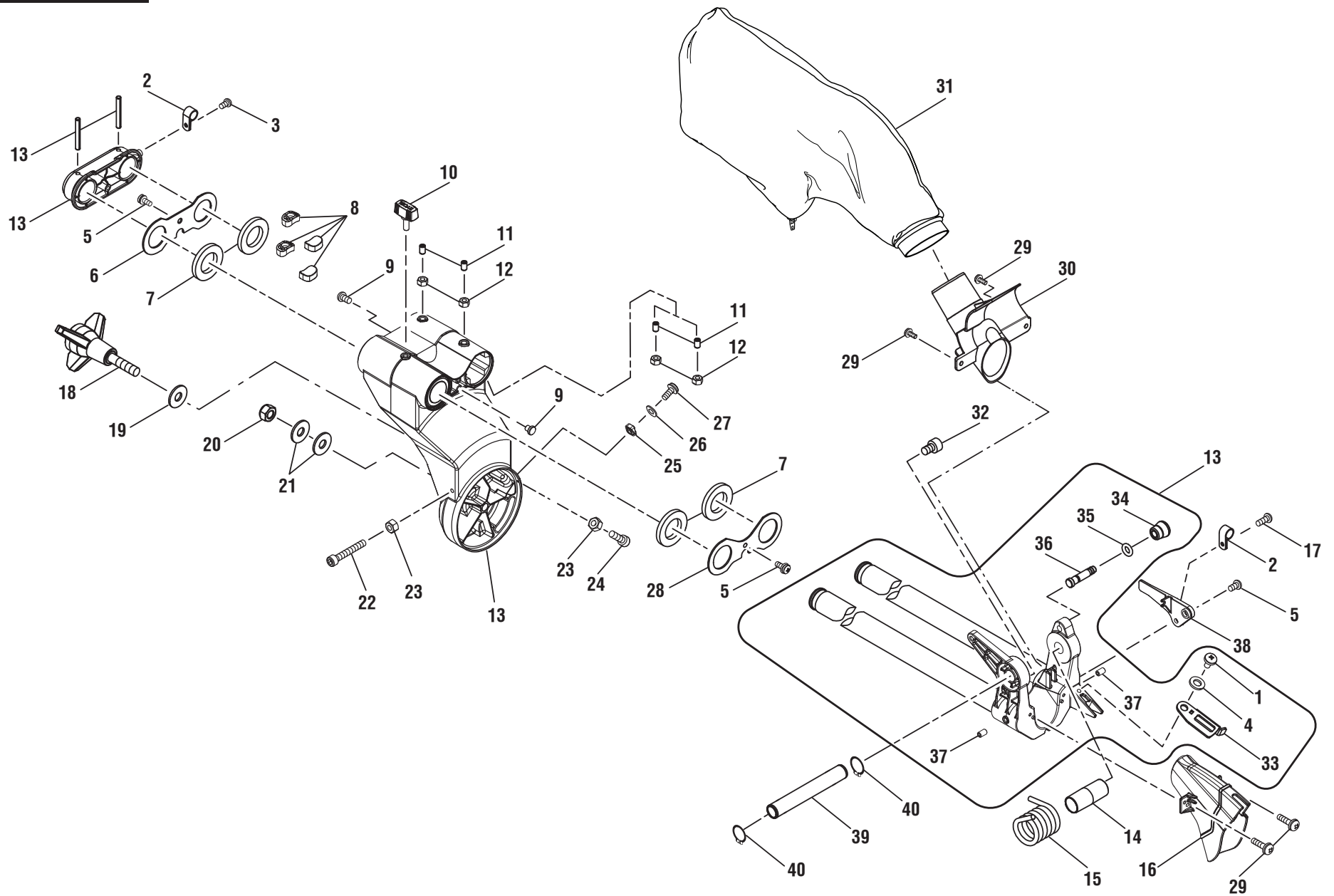


TSS121/TSS121T

PARTS LIST — FIGURE A

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	089240023710	Lower Guard Assembly (Inc. Key No. 2)	1
2	089240022905	No Hands Label	1
3	089006017042	Screw (M6, Special)	1
4	089006017040	Screw (M5, Special)	1
5	089006017041	Screw (M4 x 10 mm, Cheese Hd.)	1
6	089100207051	Blade Screw Direction Label	1
7	089041016013	Arbor Screw (M10 x 20 mm)	1
8	089006017043	Outer Blade Washer	1
9	089240023903	Blade	1
10	089041016014	Inner Blade Washer	1
11	089006017107	Screw (M5 x 20 mm, Pan Hd.)	2
12	089041016035	Arbor Cap	1
13	089041016711	Arbor Assembly	1
14	089240023902	Logo Label (Upper Guard)	1
15	089006017105	Needle Bearing	1
16	089041016906	Lower Guard Warning Label	1
17	089240023708	Upper Guard Assembly (Inc. Key Nos. 14-16)	1
18	080016005090	Adjusting Knob	1
19	080016005029	Compression Spring	2
20	089240022001	LED Cap	1
21	080016005019	LED Deck (Lens)	1
22	089240022004	Collimator	1
23	089240022005	LED Deck	1
24	089006017051	Screw (M4 x 16 mm, Round Hd.)	5
25	089041016042	LED Wire Cap	1
26	080016005003	Screw (M4 x 10mm, Pan Hd.)	2
27	080016005076	Baffle	1
28	089240022027	O-Ring	1
29	089041016713	Armature Assembly	1
30	080016005082	Screw w/Washer (M5 x 60 mm)	2
31	080016005083	Field Assembly	1
32	080016005088	Brush Cap	2

KEY NO.	PART NO.	DESCRIPTION	QTY.
33	080016005121	Brush	2
34	089240022911	Warning Label (English)	1
35	089240022903	Logo Label	1
36	089240023901	Data Label (TSS121)	1
	089240048901	Data Label (TSS121T)	1
37	089240023705	Motor Housing Assembly (Inc. Key Nos. 34-36, TSS121)	1
	089240048701	Motor Housing Assembly (Inc. Key Nos. 34-36, TSS121T)	1
38	080016005086	Screw w/Washer (M5 x 50 mm)	4
39	080016005087	End Cap	1
40	089006017061	Screw (M4 x 12 mm, Round Hd.)	3
41	089041016716	Handle Assembly	1
42	080016005092	Yellow Wire	2
43	089037007048	Wire Connector	1
44	089240023706	Switch Assembly	1
45	089006017056	Switch	1
46	080016005105	Screw w/Washer (M5 x 40 mm, Pan Hd.)	4
47	080016005102	Carry Handle	1
48	080016005103	Screw (M5 x 90 mm, Pan Hd.)	1
49	080016005104	Screw (M5 x 25 mm, Pan Hd.)	1
50	089041016058	Power Cord Assembly (Inc. Key No. 51)	1
51	089240022912	Cord Wrap Warning Label	1
52	080016005098	Bend Relief	1
53	080016005100	Hex Nut (M5)	1
54	089006017062	Cord Clamp	1
55	089038001051	Connector Deck	1
56	089240023010	LED Adapter	1
57	080016005056	Screw (M5 x 12 mm, Pan Hd.)	1
58	089240023014	O-Ring	1
59	089240022029	Isolation Pad	1
	Not Shown:		
	995000617	Operator's Manual	



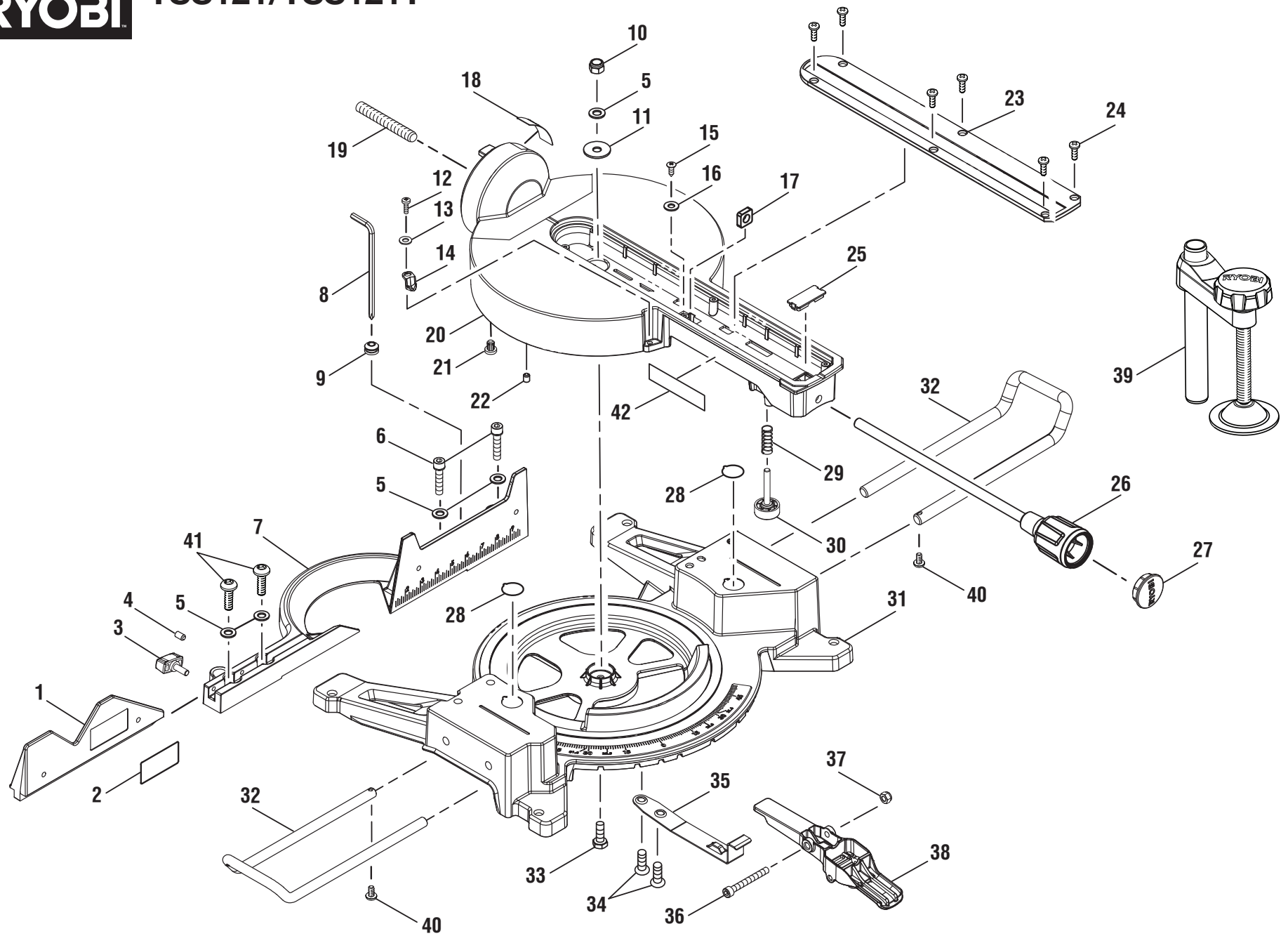


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PARTS LIST — FIGURE B

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	089006017042	Screw (M6, Special)	1
2	089110101081	Cord Clamp	2
3	080016005015	Screw (M5 x 10 mm, Pan Hd.)	1
4	080016005042	Wavy Washer (ID8 x OD13 x 0.3t)	1
5	080016005056	Screw (M5 x 12 mm, Pan Hd.)	3
6	089041016030	Rear Cap	1
7	089041016024	Felt Washer	4
8	089041016025	Adjust Pad	4
9	080016005048	Bumper	2
10	089041038052	Miter Knob	1
11	080016005054	Set Screw (M8 x 20 mm)	4
12	080016005053	Hex Nut (M8)	4
13	089041016702	Sliding Bracket Assembly (Inc. Key Nos. 1, 4-12, 22-24, 28 & 33-37)	1
14	089041016009	Pivot Spring Bushing	1
15	089240023012	Torsion Spring	1
16	089041016008	Dust Chute	1
17	089006017052	Screw (M5 x 15 mm, Pan Hd.)	1
18	080016005016	Bevel Lock Knob	1
19	089006017035	Washer (ID10 x OD26 x2t)	1
20	080016005017	Lock Nut (M10)	1

KEY NO.	PART NO.	DESCRIPTION	QTY.
21	080016005116	Washer (ID10.2 x OD20 x 2t)	2
22	089041016031	Bolt (M6 x 55 mm, Hex Hd.)	1
23	080016005059	Hex Nut (M6)	2
24	089041016032	Screw (M6 x 35 mm, Hex Soc. Hd.)	1
25	080016005014	Bevel Indicator	1
26	089006017066	Washer (ID4 x OD8 x 1t)	1
27	080016005013	Screw (M4 x 6 mm, Pan Hd.)	1
28	089041016033	Front Cap	1
29	080016005003	Screw (M4 x 10 mm, Pan Hd.)	4
30	080016005010	Dust Tube	1
31	080016005706	Dust Bag Assembly	1
32	080016005009	Screw (M8 x 10 mm, Hex Soc. Hd.)	1
33	080016005041	Adjusting Plate	1
34	080016005043	Lock Pin Knob	1
35	089006017027	O-Ring	1
36	089006017026	Lock Pin	1
37	080016005045	Screw (M6 x 8 mm)	2
38	089041016015	Indicator	1
39	080016005007	Spindle	1
40	089290001102	C Ring	2



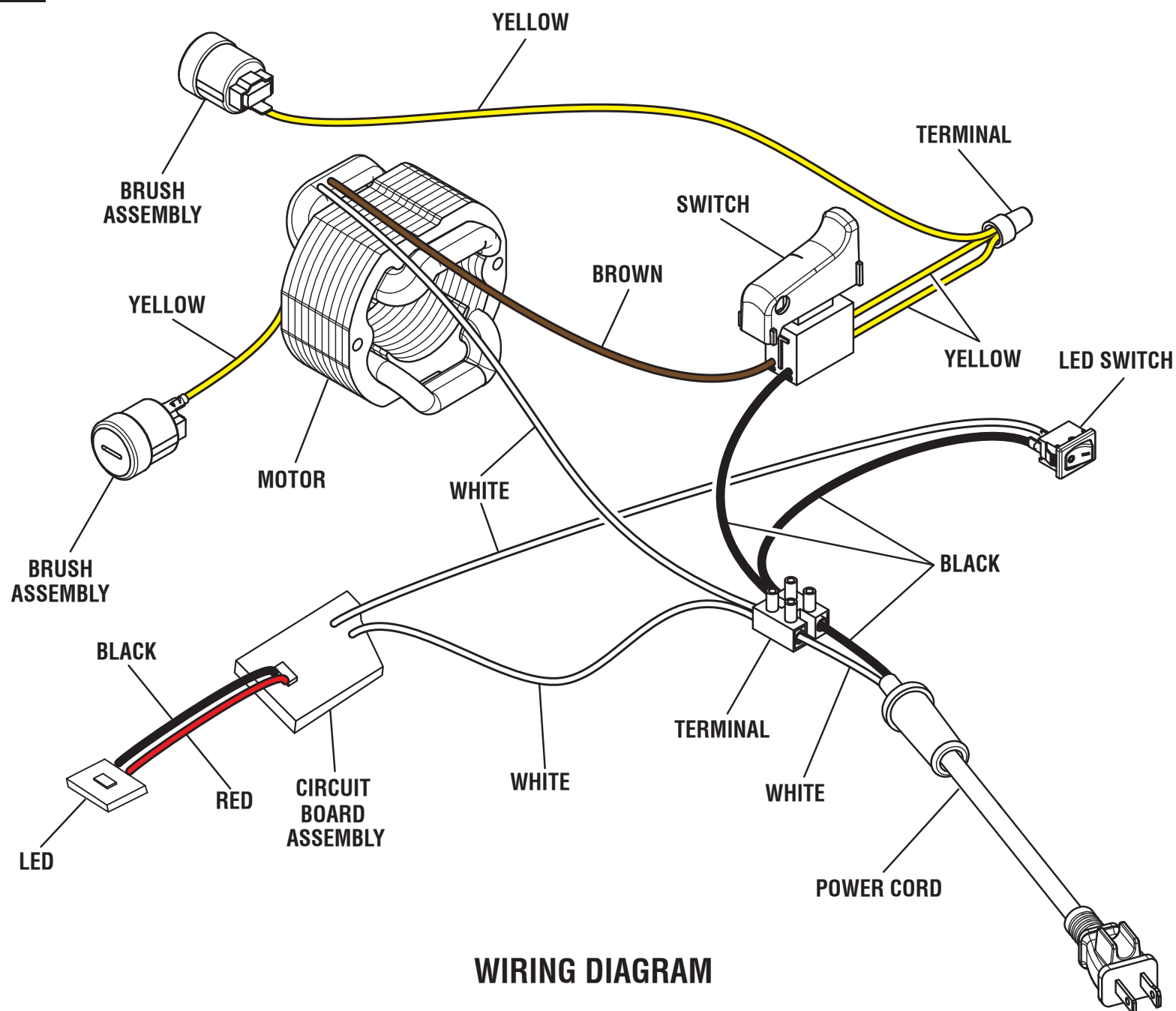


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PARTS LIST — FIGURE C

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	089240023007	Extension Fence Assembly (Incl. Key No. 2)	1
2	089041016903	Warning Label (Extension Fence)	1
3	089041038052	Miter Fence Knob	1
4	089041016006	Set Screw (M6 x 12 mm)	1
5	089006017020	Washer (ID8 x OD16 x 1.5t)	5
6	089041016002	Screw w/Washer (M8 x 35 mm, Hex Soc. Hd.)	2
7	089240023006	Fence	1
8	089240023013	Blade Wrench	1
9	089006017008	Blade Wrench Holder	1
10	089006017021	Lock Nut (M8)	1
11	089006017071	Washer (ID8.25 x OD21.9 x 1.5t)	1
12	089006017015	Screw (M4 x 12 mm)	.1
13	089006017066	Washer (ID4 x OD8 x 1t)	1
14	080016005037	Miter Indicator	1
15	089041016016	Screw (M4 x 10 mm)	1
16	089041016055	Washer (ID4 x OD14 x 1t)	1
17	080016005030	Square Nut (M10)	1
18	089041016911	Bevel Scale	1
19	080016005035	Bevel Bolt (M10 x 81.5 mm)	1
20	089041016059	Table Assembly (Incl. Key Nos. 18 & 42)	1
21	080016005034	Turning Pad	10

KEY NO.	PART NO.	DESCRIPTION	QTY.
22	080016005114	Screw (M6 x 8 mm)	1
23	089240023004	Throat Plate	1
24	080016005003	Screw (M4 x 10 mm, Pan Hd.)	6
25	080016005036	Cap	1
26	089041016707	Miter Lock Lever Assembly (Incl. Key No. 27)	1
27	080016005031	Miter Lock Lever Cap	1
28	089240022905	No Hands Label	2
29	080016005029	Compression Spring	1
30	080016005028	Support Knob	1
31	089240023702	Base Assembly (Incl. Key No. 28)	1
32	089240022021	Extension Rod	2
33	089006017007	Screw (M8 x 20 mm, Hex Hd.)	1
34	089041016018	Screw (M8 x 20mm, Hex Hd.)	2
35	089041016019	Positioning Spring	1
36	080016005026	Screw (M6 x 50 mm, Hex Soc. Hd.)	1
37	089006017081	Lock Nut (M6)	1
38	080016005707	Quick Positioning Assembly	1
39	080016005733	Work Clamp Assembly	1
40	089240022010	Screw (M4 x 20 mm, Pan Hd.)	2
41	089240023005	Screw (M8 x 20 mm, Pan hd.)	2
42	089240022907	Cutting Direction Label	1



WIRING DIAGRAM