

REPAIR SHEET

BRAND

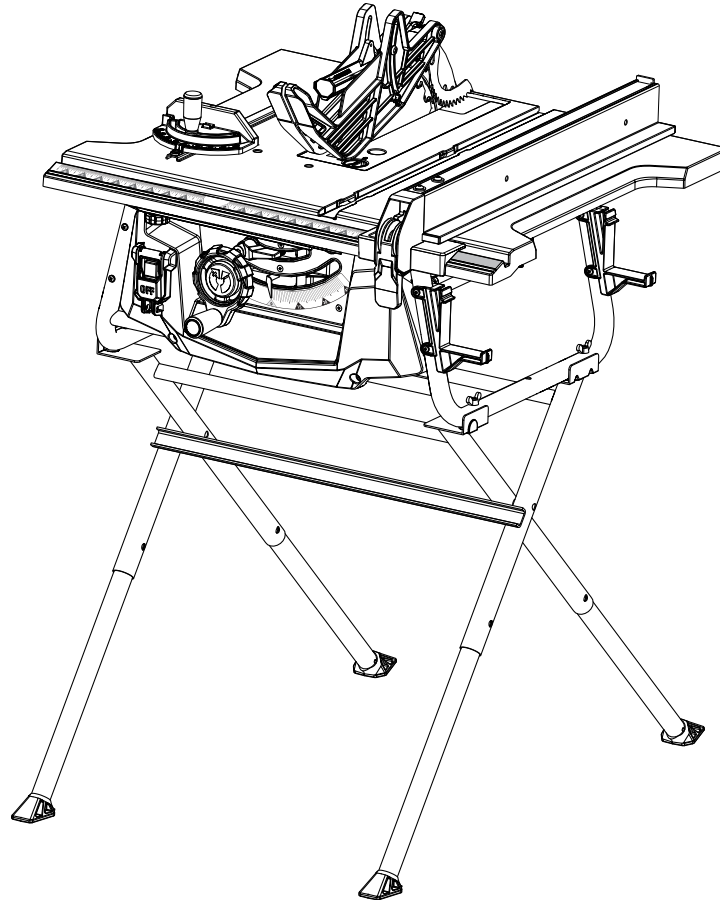
RYOBI

MODEL NO.

RTS12/RTS12T

DESCRIPTION

10 in. Table Saw

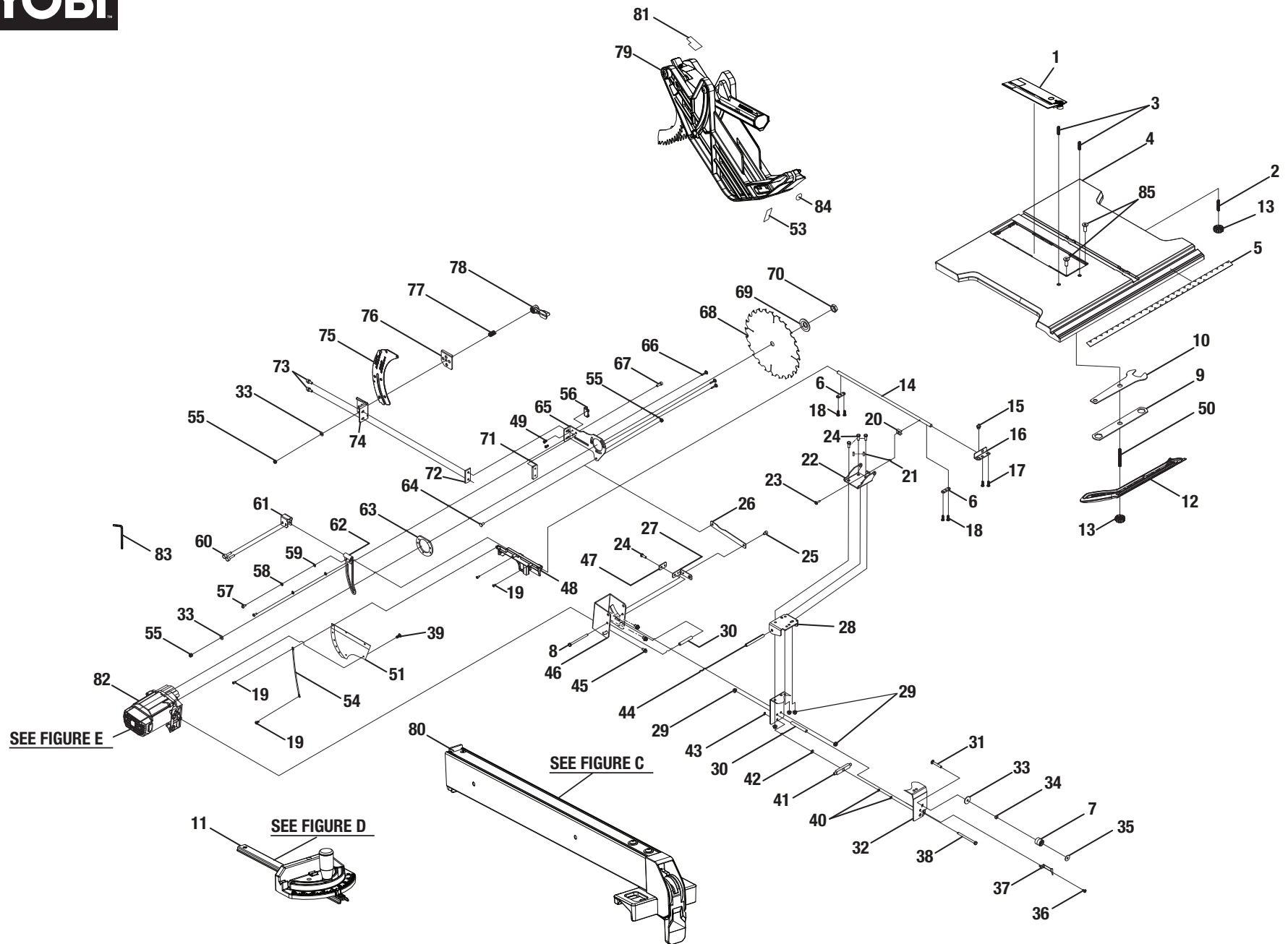


ONE WORLD TECHNOLOGIES, INC.

P.O. Box 1288, Anderson, SC 29622 ■ 1-800-525-2579 ■ www.ryobitools.com

10-30-23 (Rev:07)

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.





RTS12/RTS12T

PARTS LIST — FIGURE A

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	CN- 089240035702	Throat Plate Assembly	1
	VN- 089240081703	Throat Plate Assembly	1
2	089240035003	Set Screw (M8 x 35 mm)	1
3	089240035002	Set Screw (M8 x 30 mm, Soc. Hd.)	2
4	CN- 089240035085	Table	1
	VN- 089240081013	Table	1
5	CN- 089240035004	Rip Scale Label	1
	VN- 089240081001	Rip Scale Label	1
6	089240035067	Pivot Bracket Holding Plate	2
7	089240035013	Spacer	1
8	080015001437	Screw (1/4-20 x 3-1/4 in., Hex Hd.)	1
9	CN- 080015001505	Combination Blade Wrench	1
	VN- 089240081015	Combination Blade Wrench	1
10	CN- 080015001506	Open End Wrench	1
	VN- 089240081014	Open End Wrench	1
11	089240035706	Miter Gauge Assembly	1
12	CN- 089240035007	Push Stick	1
	VN- 089240081016	Push Stick	1
13	089240035006	Knob	2
14	089240035033	Rod	1
15	089240035068	Eccentric Shaft	1
16	089240035069	Adjustment Plate	1
17	089110101021	Screw w/Washer (M6 x 15 mm, Hex Soc. Hd.)	2
18	089110101024	Screw w/Washer (M6 x 12 mm, Hex. Soc. Hd.)	4
19	089240061005	Screw (M4 x 12 mm)	4
20	080015001443	Block	1
21	080015001445	Spring Pin (D4 x 13 mm)	2
22	CN- 089240015042	Upper Bracket	1
	VN- 089240081022	Upper Bracket	1

KEY NO.	PART NO.	DESCRIPTION	QTY.
23	089037007011	Screw w/Washer (M5 x 20 mm, Hex Hd.)	1
24	080015001446	Screw (1/4-20 x 3/4 in., Hex Flange Hd.)	4
25	089240062003	Screw (M6 x 8 mm, Special Hex. Soc. Hd.)	1
26	089037007012	Pull Rod	1
27	089240015045	Mounting Bracket	1
28	CN- 089240035075	Middle Bracket	1
	VN- 089240081025	Middle Bracket	1
29	080015001603	Lock Nut (1/4 in.)	6
30	089240035039	Spacer	2
31	089240035038	Carriage Bolt (1/4 in. x 62 mm)	1
32	CN- 089240015209	Work Plate	1
	VN- 089240081024	Work Plate	1
33	089110101033	Washer (OD16 x ID1/4 x 1t)	3
34	080015001455	Hex Nut (1/4-20)	1
35	089240063075	Washer (OD22 x ID6.5 x 2.5t)	1
36	089240015054	Screw w/Washer (M4 x 8 mm, Round Hd.)	1
37	089240035012	Bevel Indicator	1
38	089240035037	Screw (1/4-20 x 3-1/4 in., Hex Hd.)	1
39	089240061006	Screw (#8-32 UNC x 3/8 in.)	1
40	089037007034	Hex Nut (3/8-16)	2
41	089037007033	Block	1
42	089037011047	Washer (OD13 x ID6.5 x 0.5t)	1
43	089037007029	C-Ring	1
44	080015001458	Spring Pin (D8 x 90 mm)	1
45	080015001436	Screw (M6 x 18 mm, Hex Flange Hd.)	3
46	CN- 089037007016	Motor Bracket	1
	VN- 089240081023	Motor Bracket	1
47	089240015047	Support Board	1
48	089240015048	Bracket (Guard Fabric)	1

If a key number has multiple part numbers, please order the part that corresponds with the country of origin shown on the product's data label.

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PARTS LIST — FIGURE A (cont.)

KEY NO.	PART NO.	DESCRIPTION	QTY.
49	089240035030	Screw (M4 x 10 mm)	2
50	089240035005	Screw (M8 x 60 mm)	1
51	089240035035	Guard Fabric	1
52	089240035039	Spacer	1
53	CN- 089240028908	Side Barrier Warning Label (Left)	1
	VN- 089240081914	Side Barrier Warning Label (Left)	1
54	089240035036	Linkage B	1
55	089110101101	Lock Nut (M6)	3
56	089240035032	Restrictive Plate	1
57	089037007101	Screw (M5 x 10 mm, Button Hd.)	2
58	089037007100	Washer (D5)	2
59	089037007099	Washer (OD12 x ID5 x 1.5t)	2
60	089240015072	Screw w/Washer (M5 x 25 mm)	2
61	089240015073	Bracket	1
62	089037007098	Support Plate	1
63	089037007097	Lever Support	1
64	089037007015	Carriage Bolt (M6 x 15.5 mm)	1
65	CN- 089037007019	Lever	1
	VN- 089240081021	Lever	1
66	089037007017	Screw (M4 x 0.7 mm)	3
67	089037007018	Screw (M6 x 15 mm, Hex Soc. Hd.)	1
68	089240035011	Blade (10 in., 24 Tooth)	1
69	089240035010	Outer Blade Washer	1
70	080015001410	Blade Nut (5/8-18)	1

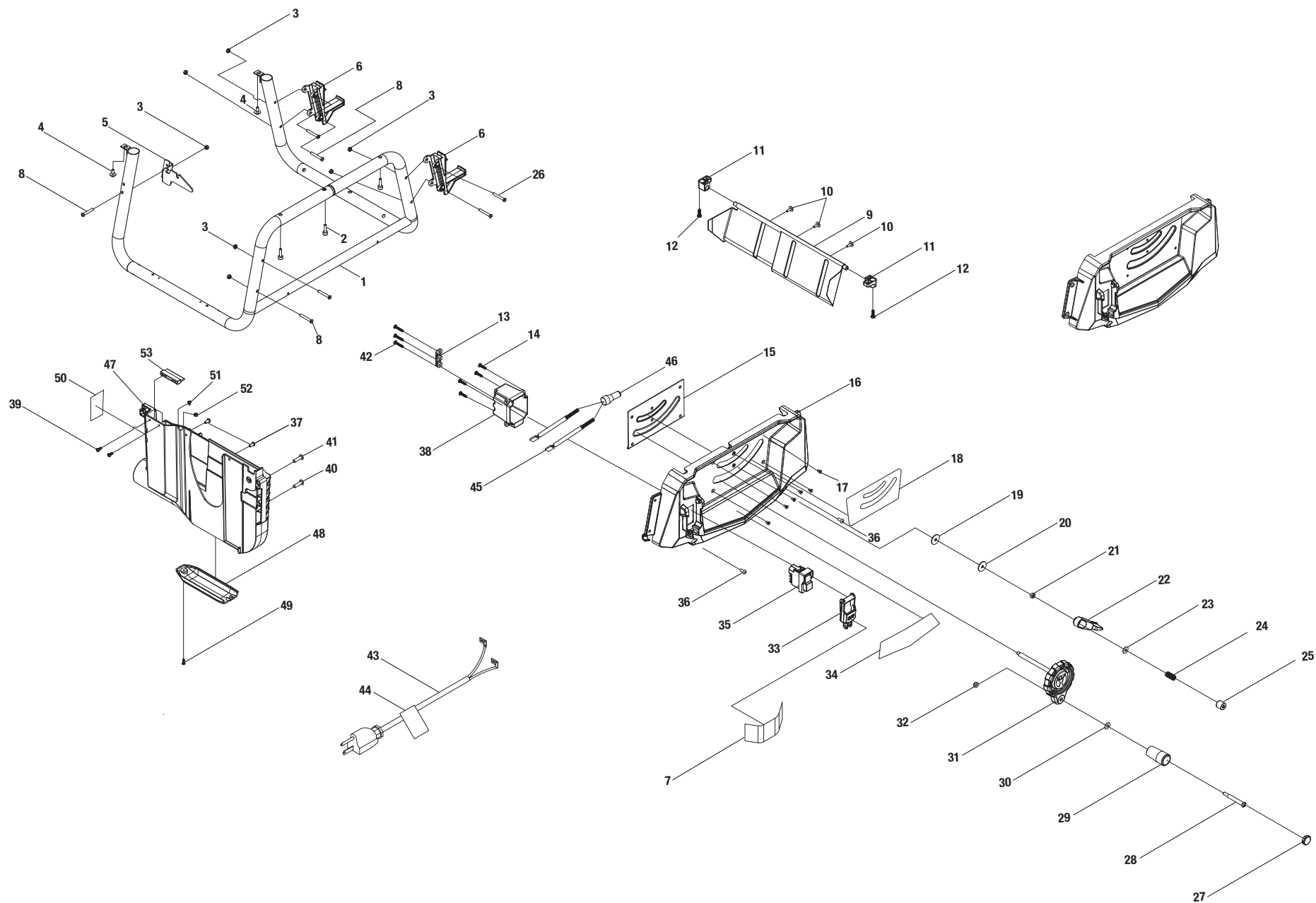
KEY NO.	PART NO.	DESCRIPTION	QTY.
71	089037007020	Clamp Lock	1
72	089037007021	Clamp	1
73	089037007022	Screw w/Washer (M6 x 20 mm, Hex Soc. Hd.)	2
74	089240035073	Riving Knife Base	1
75	089240036013	Riving Knife	1
76	089037011030	Bracket	1
77	089037007096	Compression Spring	1
78	089037007709	Lever Assembly	1
79	CN- 089240036706	Blade Guard Assembly	1
	VN- 089240081705	Blade Guard Assembly	1
80	089240035705	Rip Fence Assembly	1
81	CN- 089037007908	Warning Label (Upper Barrier)	1
	VN- 089240081911	Warning Label (Upper Barrier)	1
82	089240035703	Motor Assembly	1
83	089110102005	Hex Key Wrench (M5 x 75 mm)	1
84	CN- 089240028909	Side Barrier Warning Label (Right)	1
	VN- 089240081912	Side Barrier Warning Label (Right)	1
85	089240035072	Screw (M3 X 8 mm)	2
	Not Shown:		
	089240036001	Optional Dado Throat Plate Assembly	
	CN- 089290001909	Styrofoam Removal Warning Label	
	VN- 089240081904	Styrofoam Removal Warning Label	
	995000800	Operator's Manual	

If a key number has multiple part numbers, please order the part that corresponds with the country of origin shown on the product's data label.

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PARTS LIST — FIGURE B

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	CN- 089240035089	Frame	1
	VN- 089240035090	Frame	1
2	089240015002	Screw (M6 x 40 mm, Flat Hd.)	3
3	089110101012	Lock Nut (M5)	7
4	089240035028	Screw w/Washer (M5 x 15 mm, Round Hd.)	2
5	089240035091	Barrier Storage Plate	1
6	CN- 089240035027	Fence Storage Holder	2
	VN- 089240081020	Fence Storage Holder	2
7	089240028920	Switch Warning Label	1
8	089240035018	Screw (M5 x 35 mm, Round Hd.)	5
9	089240035008	Dust Cover	1
10	089240015093	Screw (M4 x 12 mm, Truss Hd.)	3
11	089240015091	Holder	2
12	089240015090	Screw (M5 x 12 mm, Truss Hd.)	2
13	089110101069	Cord Clamp	1
14	089240022022	Screw (M4 x 15 mm)	4
15	CN- 089240035088	Reinforcement Plate	1
	VN- 089240081019	Reinforcement Plate	1
16	CN- 089240035086	Front Panel Assembly (Inc. Key Nos. 18 & 34)	1
	VN- 089240035087	Front Panel Assembly (Inc. Key Nos. 18 & 34)	1
17	080015001473	Screw (M4 x 7 mm, Flat Hd.)	6

KEY NO.	PART NO.	DESCRIPTION	QTY.
18	089240035024	Front Panel/Bevel Scale Label	1
19	089240015200	Plastic Washer (OD25 x ID6.5 x 2t)	1
20	089240015201	Washer (OD25 x ID6.5 x 1.5t)	1
21	080015001455	Hex Nut (1/4-20)	1
22	089240015025	Bevel Lock Lever	1
23	089110101033	Washer (OD16 x ID1/4 in. x 1t)	1
24	089240035071	Compression Spring	1
25	089037007108	Cap	1
26	089240035026	Screw (M5 x 42 mm)	2
27	089240035023	Hand Grip Cap	1
28	089045008061	Screw (1/4-24 x 55 mm)	1
29	089240015010	Hand Grip	1
30	080015001479	Washer (OD13 x ID1/4 in. x 1.5t)	1
31	089240061704	Hand Wheel Assembly	1
32	089110102180	Lock Nut (1/4-20)	1
33	CN- 089240036026	Switch Cover	1
	VN- 089240081018	Switch Cover	1
34	089240035904	Front Panel Warning Label	1
35	089240028147	Switch	1
36	089240015019	Screw (M5 x 12 mm, Truss Hd.)	2
37	089240015116	Screw (M4 x 10 mm, Truss Hd.)	2

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PARTS LIST — FIGURE B

KEY NO.	PART NO.	DESCRIPTION	QTY.
38	CN- 089240061003	Switch Box	1
	VN- 089240081017	Switch Box	1
39	089240015116	Screw (M4 x 10 mm)	2
40	089240015087	Screw (M6 x 20 mm, Truss Soc. Hd.)	1
41	089240015088	Screw (M6 x 30 mm, Truss Soc. Hd.)	1
42	089240035079	Screw (#8-16 x 19.05 mm, Truss Hd.)	3
43	CN- 089240061703	Power Cord Assembly (Inc. Key Nos. 44-46)	1
	VN- 089240081702	Power Cord Assembly (Inc. Key Nos. 44-46)	1
44	CN- 089240028906	Power Cord Warning Label	1
	VN- 089240081905	Power Cord Warning Label	1
45	089240035016	Output Wire (14 AWG x 60 mm)	2
46	089240021020	Close End Connector	1

KEY NO.	PART NO.	DESCRIPTION	QTY.
47	CN- 089240035709	Dust Chute (Inc. Key No. 50)	1
	TW- 089240061702	Dust Chute (Inc. Key No. 50)	1
	VN- 089240081701	Dust Chute (Inc. Key No. 50)	1
48	089240015202	Dust Chute Door	1
49	089240015084	Screw (M4 x 10 mm, Truss Hd.)	1
50	CN- 089240035901	Data Label	1
	TW- 089240061902	Data Label	1
	VN- 089240081901	Data Label	1
51	089240015188	Screw (M4 x 5 mm, Truss Hd.)	1
52	089240015089	Lock Nut (M4)	1
53	089240035009	Plastic Cap	1

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CN = China

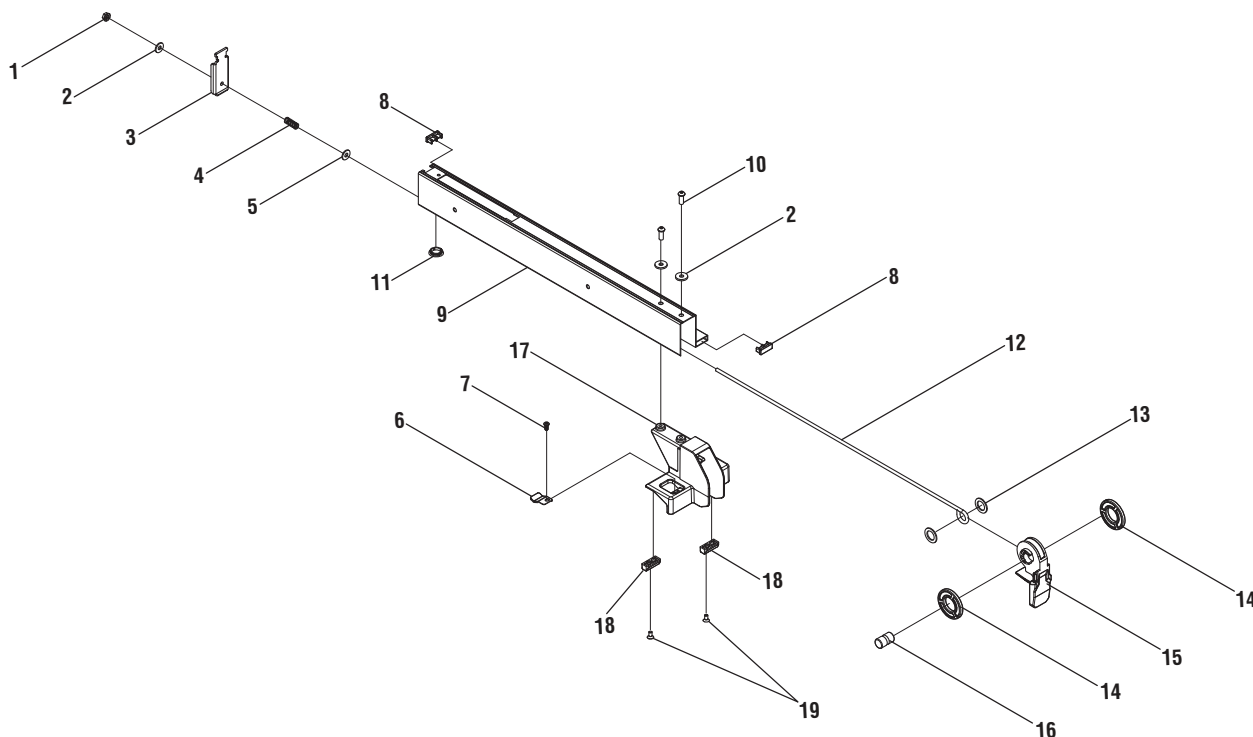
TW = Taiwan

VN = Vietnam

PARTS LIST – FIGURE C

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	089110101101	Lock Nut (M6)	1
2	089110101102	Washer (ID6.5 x OD16 x 1.5t)	3
3	089240015164	Rear Clamp	1
4	089110101104	Compression Spring	1
5	080015001479	Washer (OD13 x ID1/4 x 1.5t)	1
6	089240035058	Indicator	1
7	089240015197	Screw (M4 x 10 mm, Truss Hd.)	1
8	089240035055	Low Fence End Cap	2
9	CN- 089240035057	Rip Fence	1
	VN- 089240081031	Rip Fence	1
10	089240061001	Screw (M6 x 15 mm, Truss Soc. Hd.)	2

KEY NO.	PART NO.	DESCRIPTION	QTY.
11	089110101120	Fence Block	1
12	089240035054	Rod	1
13	089110101108	Washer (OD25 x ID16 x 1.5t)	2
14	089110101115	Crank Gasket	2
15	CN- 089240015158	Fence Lever	1
	VN- 089240081030	Fence Lever	1
16	089110101114	Crank Shaft	1
17	CN- 089240015167	Fence Bracket	1
	VN- 089240081032	Fence Bracket	1
18	089240035077	Glide Block	2
19	089240015170	Screw (8-32 x 8.5 mm, Flat Hd.)	2



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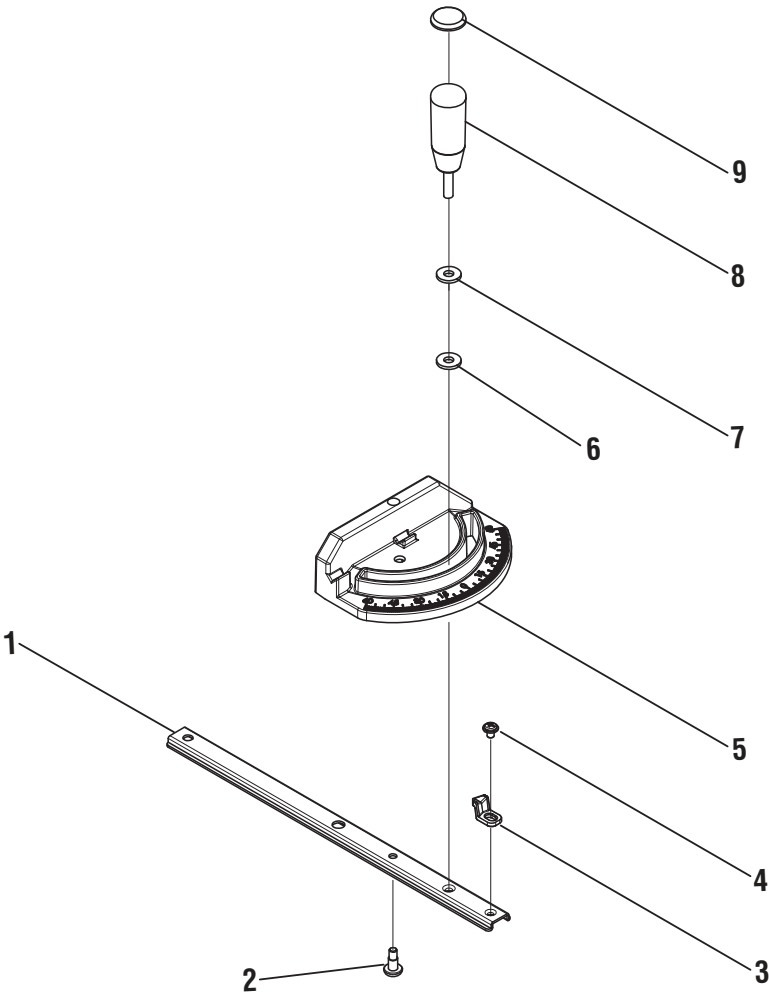
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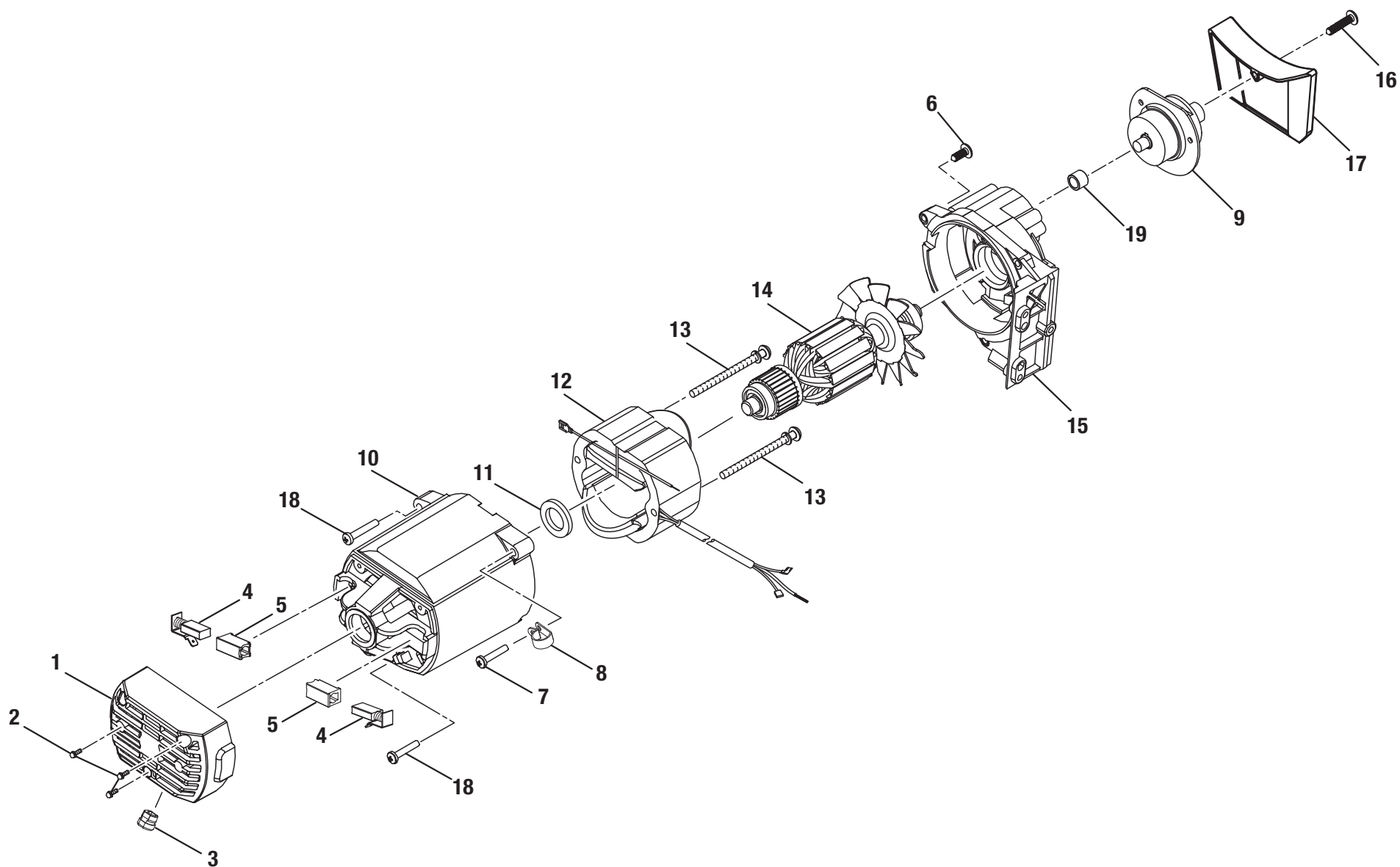
VN = Vietnam

PARTS LIST – FIGURE D

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	089240035060	Miter Gauge Rod	1
2	089240035059	Pointer	1
3	080015001662	Screw w/Washer (3/16-24 x 1/4 in.)	1
4	089037007078	Screw (M4 x 14.8 mm)	1
5	CN- 089240035078	Miter Gauge	1
	VN- 089240081033	Miter Gauge	1
6	080015001475	Nylon Washer (OD16 x ID6.5 x 2t)	1
7	080015001560	Washer (OD16 x ID6.5 x 2t)	1
8	089040002005	Miter Gauge Knob	1
9	089040002006	Miter Gauge Cap	1



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NOTE: The assembly shown represents an important part of the double insulated system. To avoid the possibility of alteration or damage to the system, service should be performed by your nearest RYOBI Authorized Service Center. Contact your nearest RYOBI Authorized Service Center for service.



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PARTS LIST — FIGURE E

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	CN- 089240015120	Motor End Cap	1
	VN- 089240081029	Motor End Cap	1
2	089240015028	Screw (M4 x 12 mm, Round Hd.)	3
3	089240015140	Strain Relief	1
4	080015001641	Brush Assembly	2
5	089037007050	Brush Holder	2
6	089240061006	Screw (#8-32 UNC x 3/8 in.)	1
7	089240061007	Screw w/Washer (M5 x 35 mm, Round. Hd.)	3
8	089110101081	Wire Clamp	1
9	089240035043	Arbor Assembly	1
10	CN- 089240015121	Motor Housing	1
	VN- 089240081028	Motor Housing	1

KEY NO.	PART NO.	DESCRIPTION	QTY.
11	080015001424	Wavy Washer (M6 x 16 mm)	1
12	089240035046	Field Assembly	1
13	089290001182	Screw w/Washer (M5 x 65 mm, Truss Hd.)	2
14	089240061705	Armature Assembly w/Bearings	1
15	CN- 089240061708	Gear Box Assembly w/Bearing	1
	VN- 089240081704	Gear Box Assembly w/Bearing	1
16	089240063083	Screw (17 mm, Self-Tapping)	1
17	089240035042	Gear Box Cover	1
18	089240035047	Screw w/S-Washer (M5 x 65 mm)	2
19	089110102263	Needle Bearing	1

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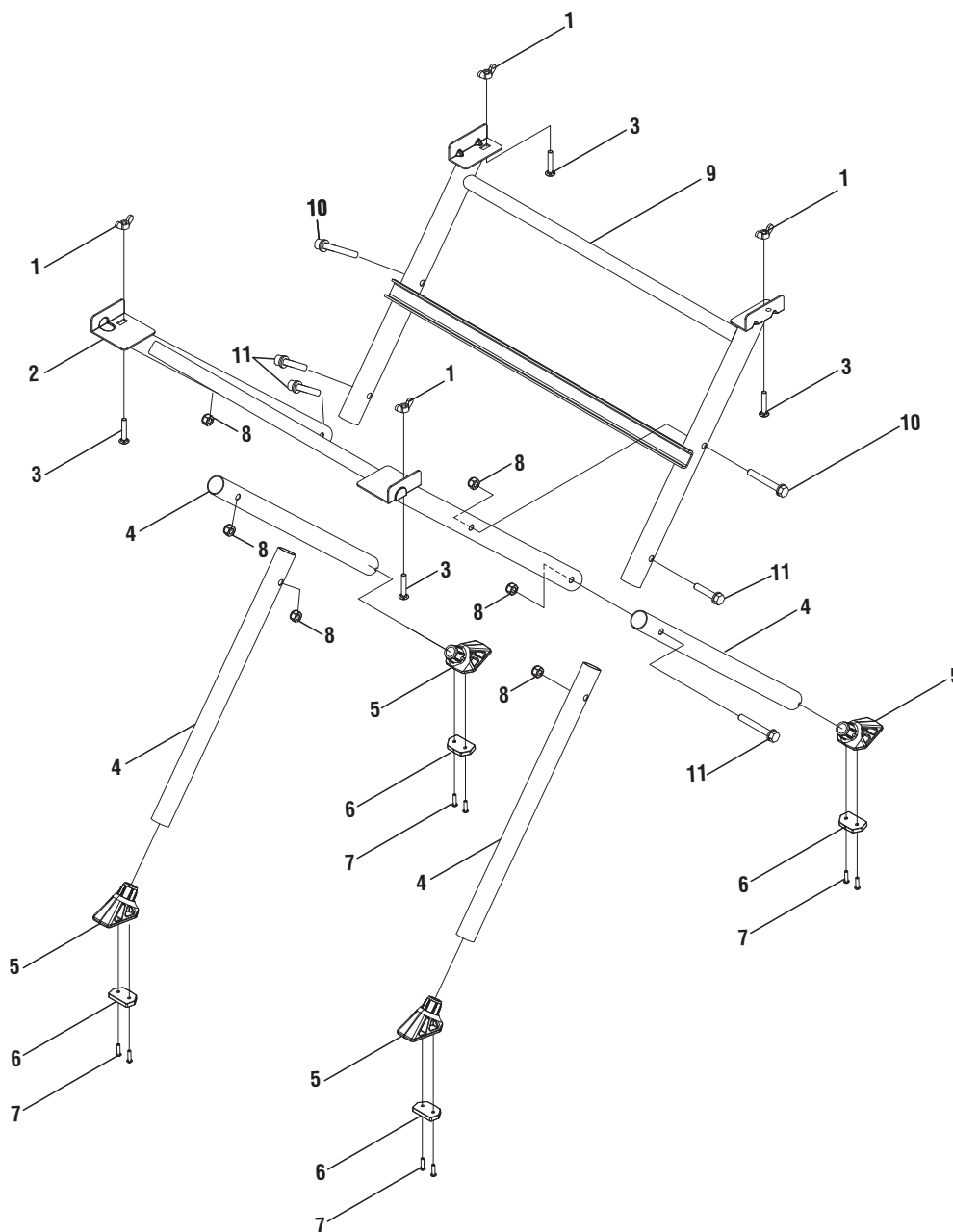
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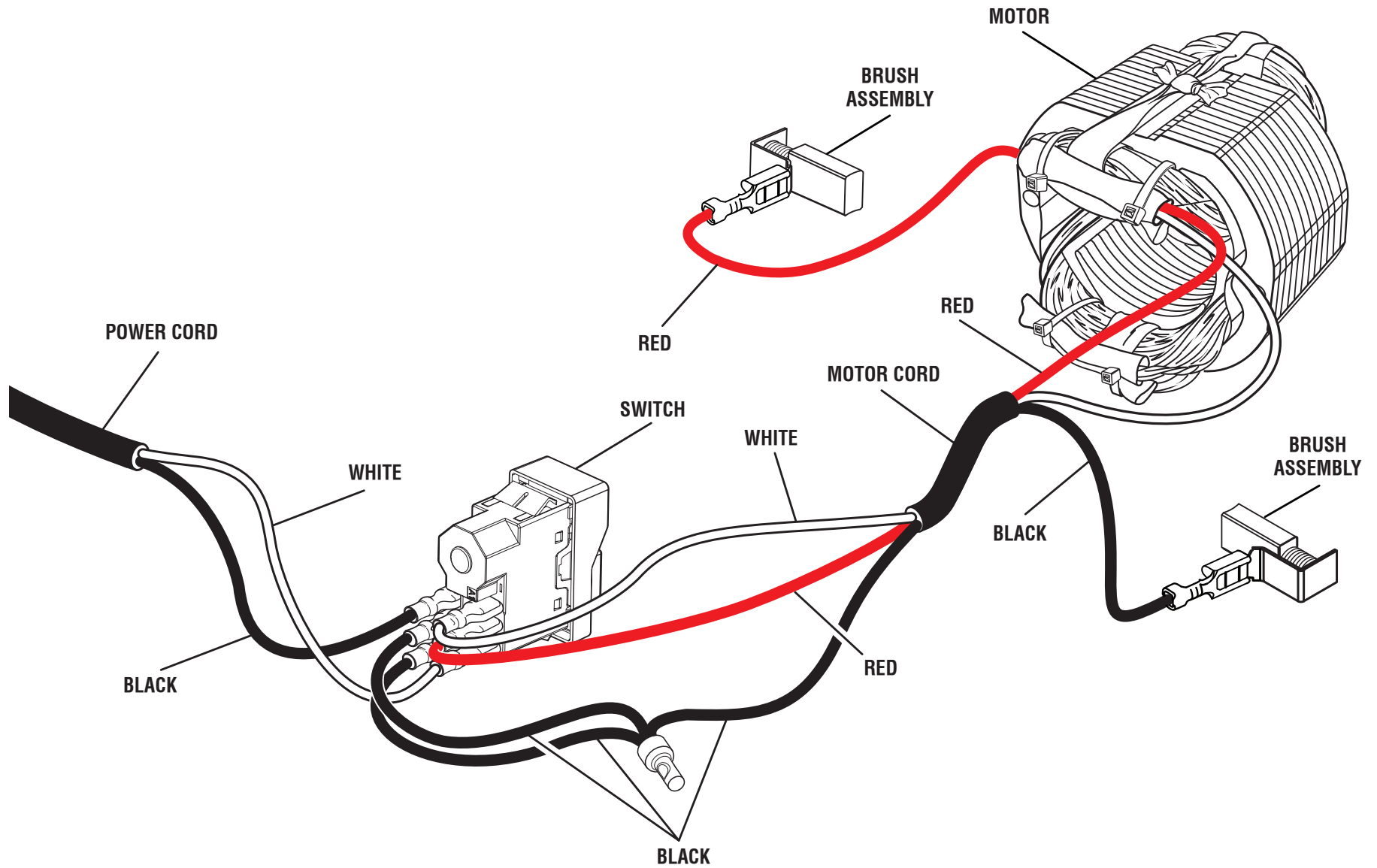
PARTS LIST — FIGURE F

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	CN- 089240015117	Wing Nut (M6)	4
2	CN- 089240035061	Inner Leg Assembly	1
	VN- 089240081008	Inner Leg Assembly	1
3	089240015118	Carriage Bolt (M6 x 40 mm)	4
4	CN- 089240035062	Extension Tube	4
	VN- 089240081009	Extension Tube	4
5	089240035063	Plastic Foot Pad	4
6	089240035064	Rubber Foot Pad	4
7	089041038027	Self Tapping Screw (M4 x 12 mm)	8
8	000999130010	Lock Nut (M8)	6
9	CN- 089240035065	Outer Leg Assembly	1
	VN- 089240081010	Outer Leg Assembly	1
10	089240015181	Screw (M8 x 65 mm, Hex Hd.)	2
11	089240035066	Screw (M8 x 35 mm, Hex Hd.)	4
	Not Shown:		
	089240035707	Complete Stand Assembly (Inc. Key Nos. 1-11)	
	089240061701	Stand Hardware Bag	





RTS12/RTS12T



WIRING DIAGRAM