

REPAIR SHEET

BRAND

RYOBI

DESCRIPTION

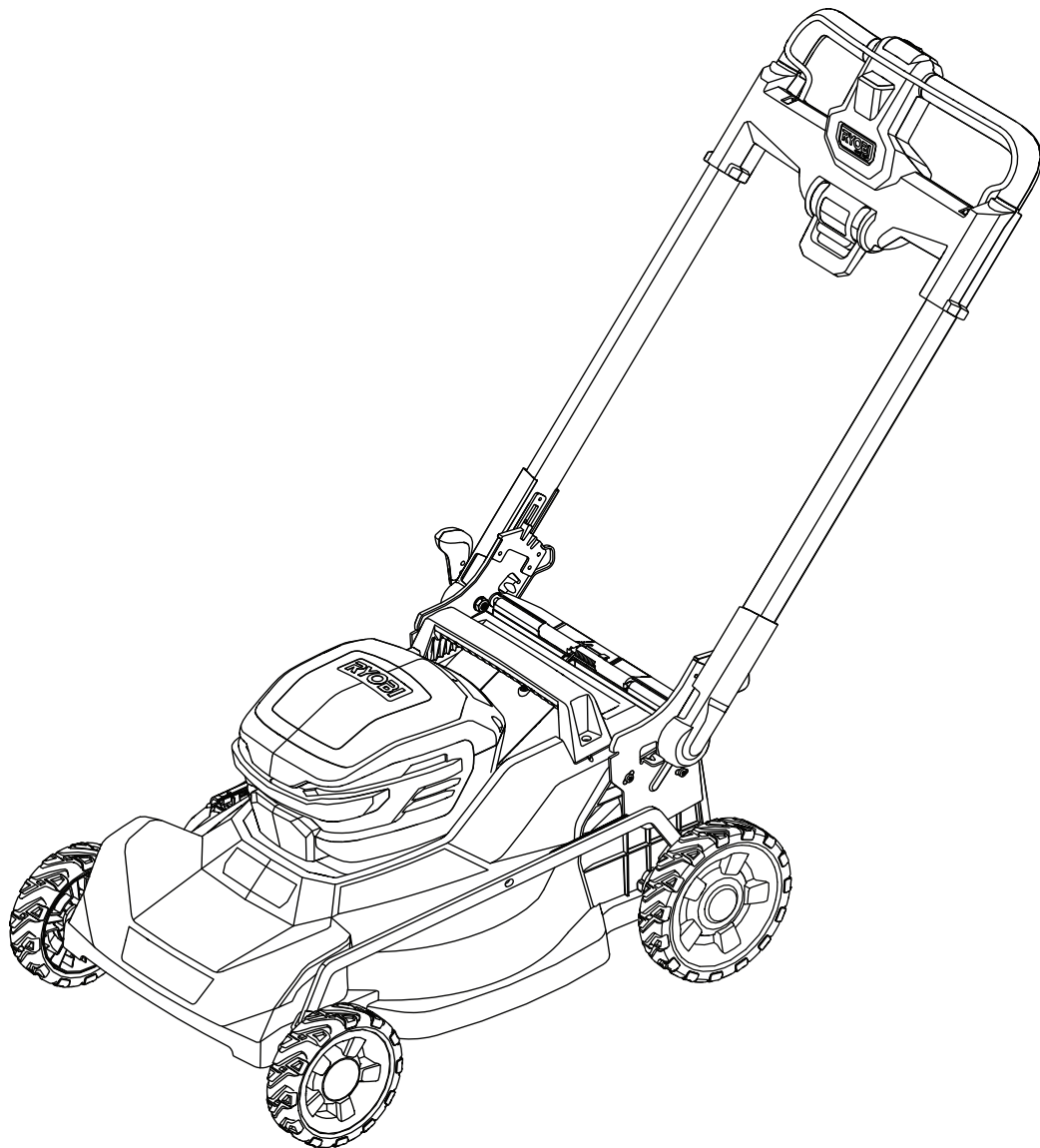
MODEL NO.

RY401020

MFG. NO.

107592001

**40 Volt
21 in. Lawn Mower**

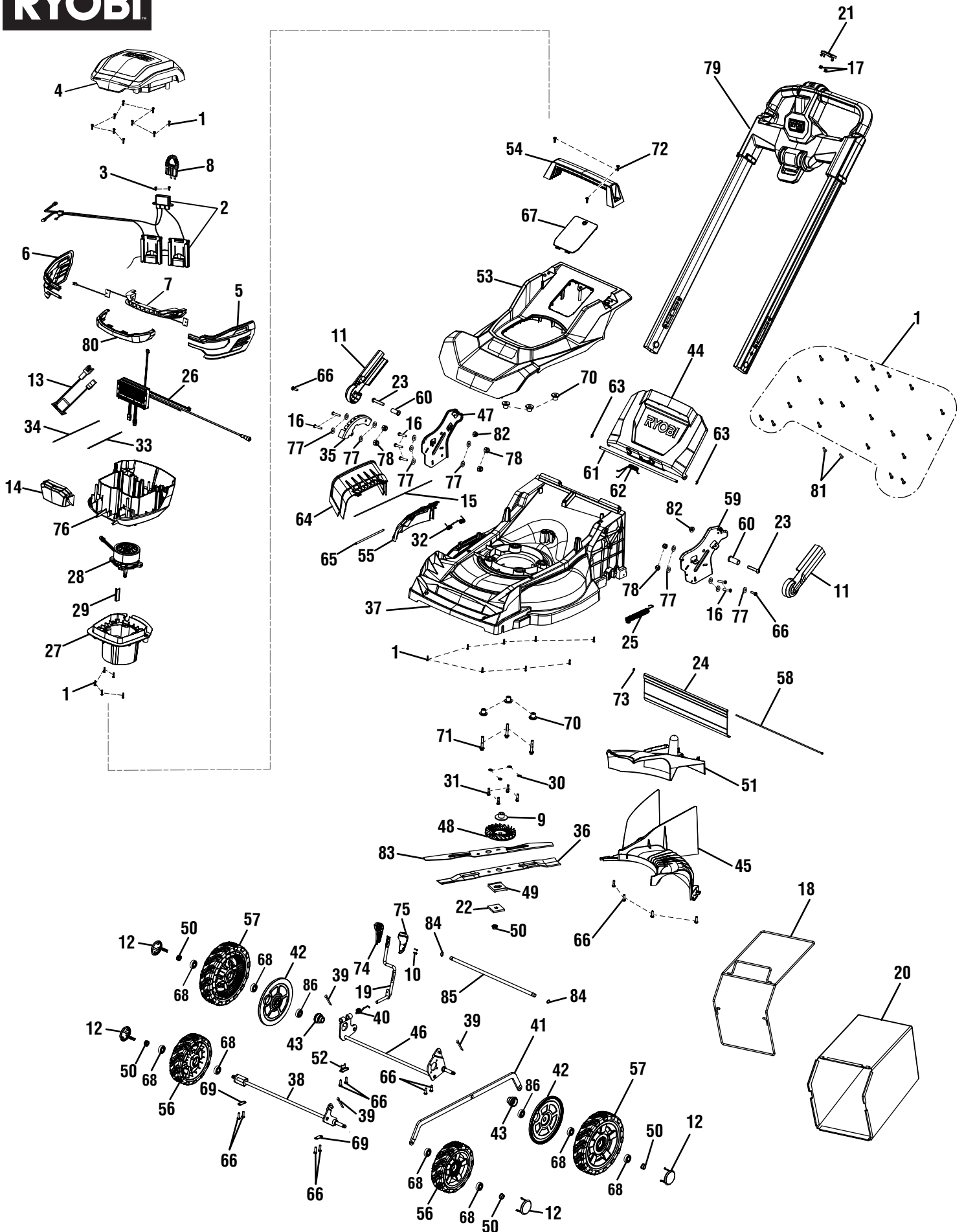


TECHTRONIC INDUSTRIES POWER EQUIPMENT

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

5-20-21 (Rev:01)

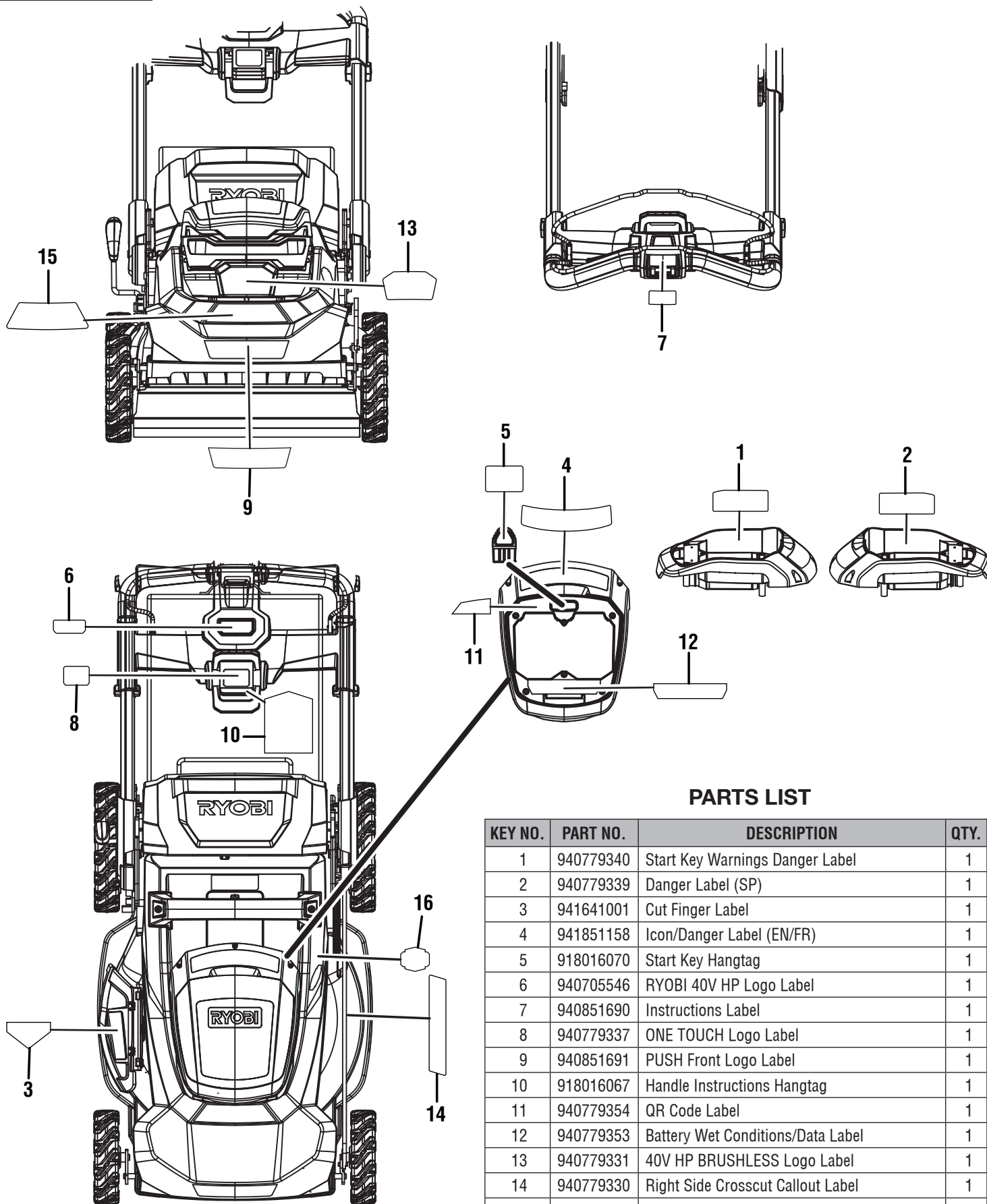
The model number and manufacturing location will be found on a label attached to the product. Always mention this information in all communications regarding this product and when ordering parts.



**RY401020****PARTS LIST**

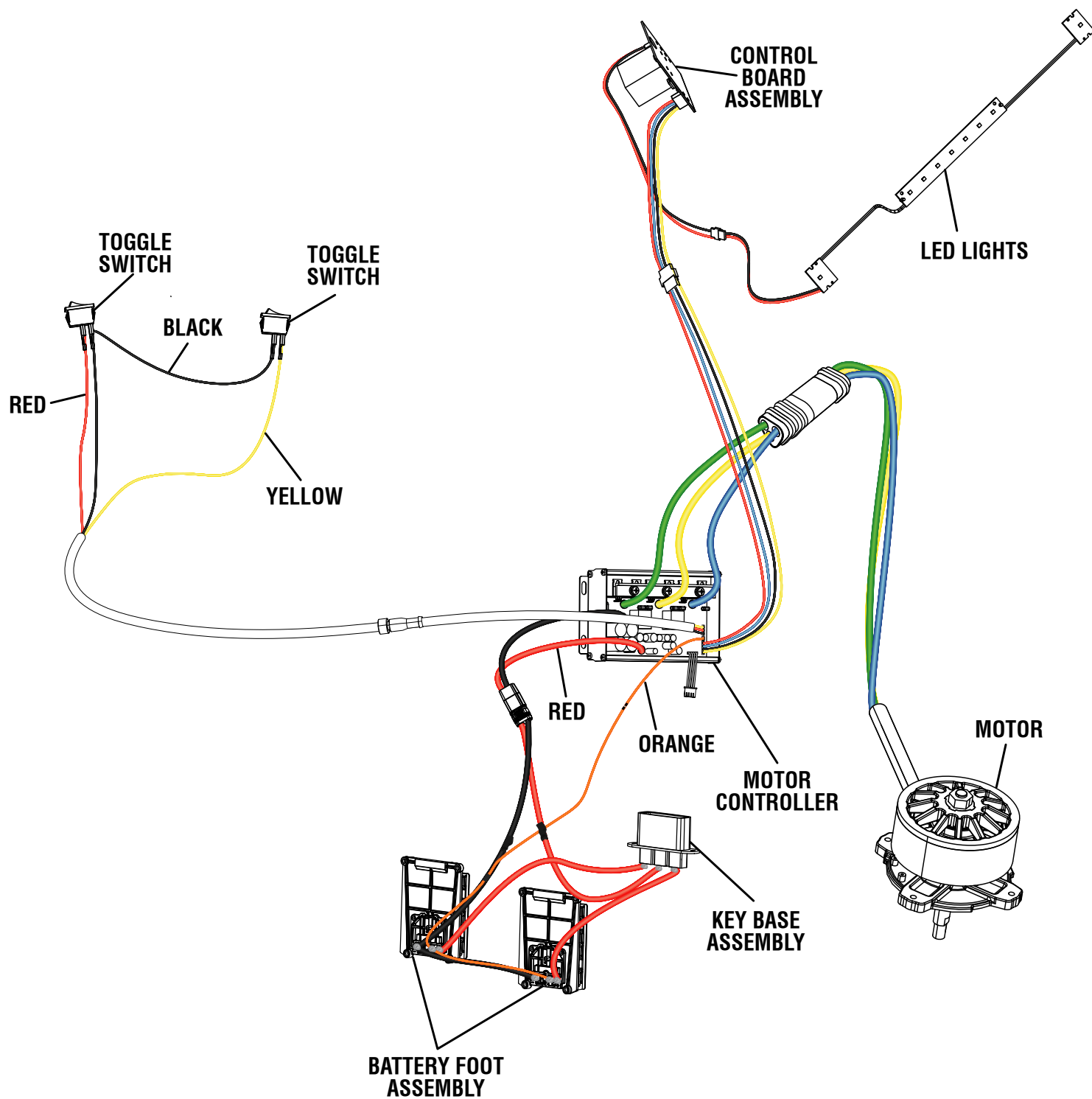
KEY NO.	PART NO.	DESCRIPTION	QTY.
1	661189003	Screw (M4 x 18 mm, T20 Torx Pan Hd.)	44
2	318031001	Key Base and Battery Foot Assembly	1
3	660608001	Screw (M4 x 12 mm, T20 Torx Pan Hd.)	2
4	318320001	Battery Housing Top Cover with Labels	1
5	535006001	Battery Housing Front Vent (Left)	1
6	535007001	Battery Housing Front Vent (Right)	1
7	318032001	Power Head LED Assembly	1
8	318030001	Start Key Assembly	1
9	613427001	Motor Axle Bushing	1
10	660004019	Screw (M3 x 12 mm, Phillips Pan Hd.)	2
11	538869002	Hinge Cover	2
12	542861001	Wheel Hub Cap	4
13	281271001	Control Board Assembly	1
14	536862001	Front Battery Housing Plug Cover	1
15	770387001	Electric Wire with Terminal	1
16	663126001	Screw (1/4 in.-20UNC x 31.75 mm, T30 Torx Pan Hd.)	6
17	699475001	Spring	2
18	659320002	Grass Bag Frame	1
19	658929003	Height Adjustment Handle	1
20	970834002	Grass Bag	1
21	534988005	Blade Button	1
22	639118002	Blade Spacer Plate	1
23	663110001	Screw (M10 x 48 mm, Recess Hex Hd.)	2
24	541601002	Trailing Shield	1
25	699325003	Compression Spring	1
26	285001004	Motor Controller	1
27	535014003	Motor Bucket	1
28	742745001	Motor	1
29	542614001	Wire Harness Cover	1
30	638557001	Washer (OD15 x ID6.2 x 0.8t)	4
31	660722002	Screw (M6 x 26 mm)	4
32	699080002	Mulch Cover Spring	1
33	770115001	Wire Connect Switch & Holder Plate	1
34	770099001	Black Lead Wire (14 AWG, 280 mm)	1
35	659324007	Height Adjustment Bracket	1
36	682534001	Blade	1
37	317813001	Deck Assembly (Inc. Labels)	1
38	659706002	Front Axle	1
39	678279004	Cotter Pin	3
40	699325001	Torsion Spring	1
41	659957001	Linkage	1
42	535046001	Wheel Cover	2
43	614676002	Bearing Bushing	2
44	541381002	Rear Door	1
45	541380002	Discharge Baffle	1

KEY NO.	PART NO.	DESCRIPTION	QTY.
46	659707001	Rear Axle	1
47	659746002	Handle Bracket (Right)	1
48	535080003	Motor Fan Blade Adapter	1
49	526920003	Blade Spacer Plate	1
50	679075001	Blade Nut (M10)	5
51	541643002	Mulching Plug	1
52	639116011	Rear Axle Press Plate	2
53	317847001	Top Cover with Labels	1
54	537116002	Carry Handle	1
55	541361003	Side Discharge Door	1
56	317161002	8 in. Wheel Assembly	2
57	317159002	10 in. Wheel Assembly	2
58	674157001	Trailing Shield Pin	1
59	659747002	Handle Bracket (Left)	1
60	614861003	Handle Bushing	2
61	622754001	Rear Door Axle	1
62	698995001	Rear Door Torsion Spring	1
63	678880001	E-Ring	2
64	541644001	Side Discharge Deflector	1
65	698355001	Side Cover Hinge Rod	1
66	664004003	Screw (M.25 x 1 mm, T30 Torx Pan Hd.)	14
67	542610001	Top Cover Door	1
68	681957001	Ball Bearing	8
69	639116012	Front Axle Press Plate	2
70	614652001	Engine Spacer	6
71	661505033	Screw (M8 x 50 mm)	3
72	660629005	Screw (10-14 x .78 mm, T25 Torx Pan Hd.)	3
73	659472001	Retaining Ring	1
74	538937002	Height Adjustment Knob (Right)	1
75	538938002	Height Adjustment Knob (Left)	1
76	535005002	Battery Housing Bottom	1
77	638387005	Washer	14
78	678016006	Nut (1/4 in.)	6
79	317168003	Handle Assembly	1
80	535081001	LED Clear Window Lens	1
81	661189002	Screw (M4 x 10 mm, T20 Torx Pan Hd.)	2
82	663111001	Center Lock Nut (M10)	2
83	682533001	21 in. Top Blade, Stepped	1
84	690698001	Snap Ring (12 mm)	2
85	699563001	Rear Axle Cross Shaft	1
86	682164001	Ball Bearing	2
	Not Shown:		
	998000495	Operator's Manual	
	543394002	Wire Harness Clip	
	903802002	Foam	1
	900333008	Hang Tag Cable Tie	2



PARTS LIST

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	940779340	Start Key Warnings Danger Label	1
2	940779339	Danger Label (SP)	1
3	941641001	Cut Finger Label	1
4	941851158	Icon/Danger Label (EN/FR)	1
5	918016070	Start Key Hangtag	1
6	940705546	RYOBI 40V HP Logo Label	1
7	940851690	Instructions Label	1
8	940779337	ONE TOUCH Logo Label	1
9	940851691	PUSH Front Logo Label	1
10	918016067	Handle Instructions Hangtag	1
11	940779354	QR Code Label	1
12	940779353	Battery Wet Conditions/Data Label	1
13	940779331	40V HP BRUSHLESS Logo Label	1
14	940779330	Right Side Crosscut Callout Label	1
15	940779334	Front Crosscut Logo Label	1
16	940779336	Made in the USA Label	1



WIRING DIAGRAM