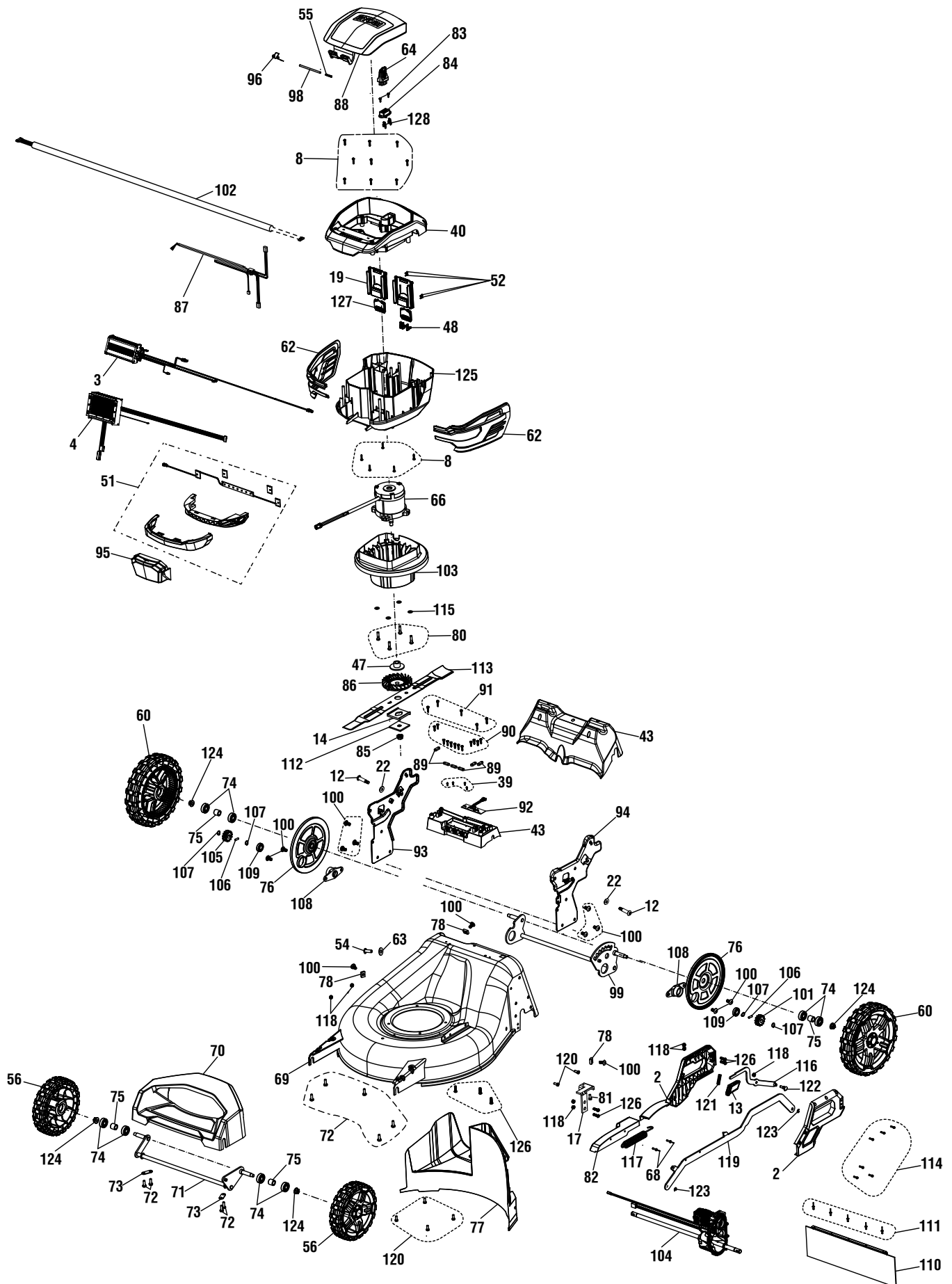
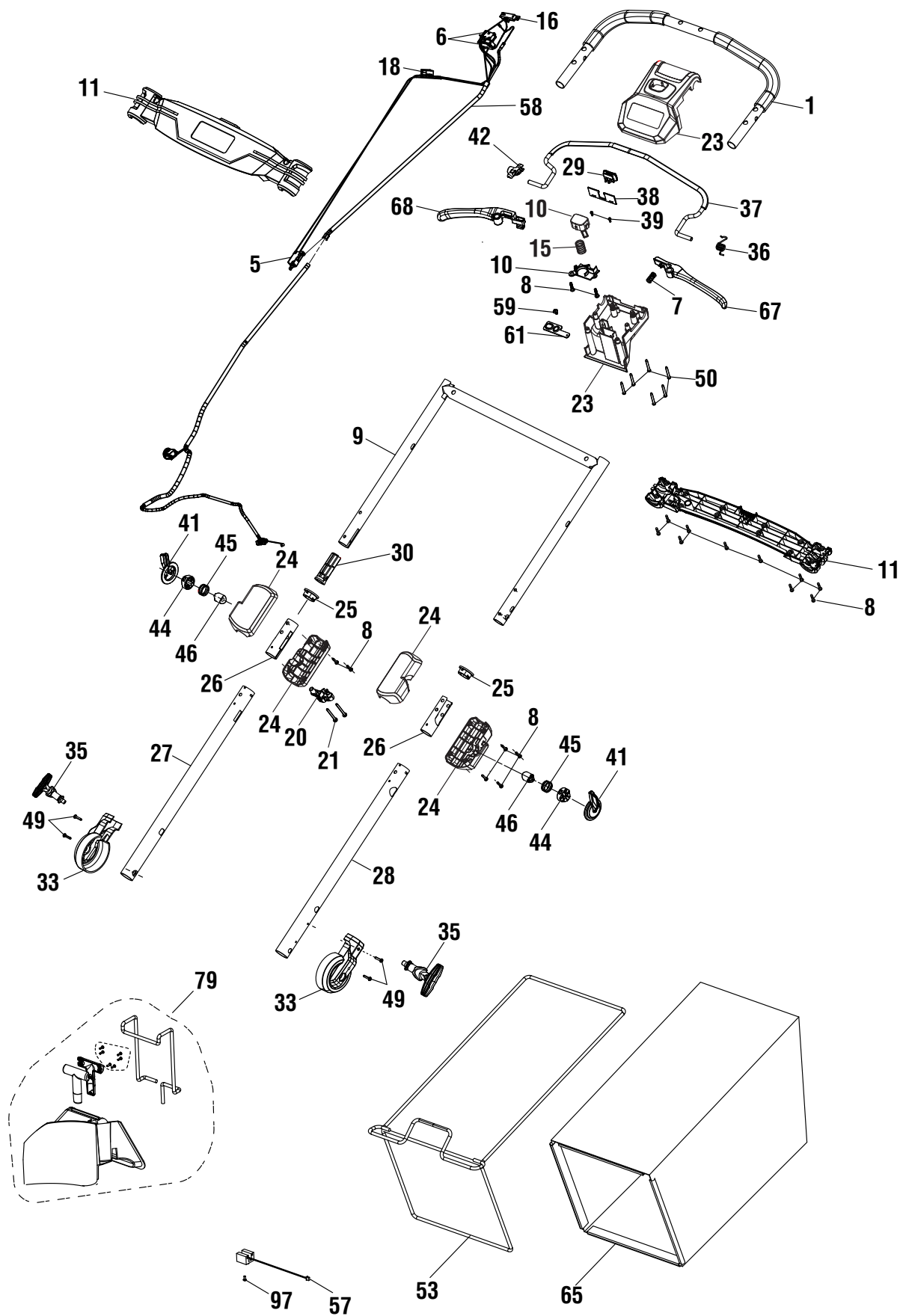


RYOBI
40 Volt Lawn Mower
Item No. RY401013/RY401013VNM
Mfg. No. 107543001/108607101
Repair Sheet

TECHTRONIC INDUSTRIES POWER EQUIPMENT
P.O. Box 1288, Anderson, SC 29622
Phone 1-800-860-4050
www.ryobitools.com





RYOBI 40V LAWN MOWER – ITEM NO. RY401013/RY401013VNM

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PARTS LIST

KEY NO.	PART NUMBER	DESCRIPTION	QTY	KEY NO.	PART NUMBER	DESCRIPTION	QTY
1	312423001	Upper Handle Assembly	1	30	533467001	Fix Bushing Switch	1
2	205218001	Deck Height Adjustment Housing (Inc. Labels)	1	31	537009001	Front Housing Handle Latch (Left)	1
3	280749004	Drive Motor Controller	1	32	537008001	Rear Housing Handle Latch (Left)	1
4	280747005	Blade Circuit Board Controller..	1	33	538869001	Hinge Shroud	2
5	760551002	Momentary Switch.....	1	34	537005001	Rear Housing Handle Latch (Right).....	1
6	760689007	Switch	2	35	311620008	Spring Pin Adjustment Assembly	2
7	694218001	Spring	1	36	695036001	Torsion Spring.....	1
8	661189003	Screw (M4.0 x 18 mm, T15 Torx Pan Hd.)	32	37	695004002	Metal Trigger	1
9	205276001	Upper Handle Tube (Inc. Labels).....	1	38	532680001	Dust Shield.....	1
10	205368001	Safety Button Assembly	1	39	660203001	Screw (M3 x 8 mm)	6
11	205373001	Upper Handle Housing Assembly	1	40	205377001	Top Battery Housing Cover (Inc. Labels)	1
12	661706002	Shoulder Screw (M8 x 33, Hex Soc. Hd.).....	2	41	536916001	Side Handle Latch	2
13	535022001	Height Adjustment Trigger	1	42	529011002	Actuator Switch	1
14	535079002	Spacer.....	1	43	205224001	Bag Hanger/Trim Assembly (Inc. Labels).....	1
15	694475001	Compression Spring	1	44	536919002	Side Compression Disc Holder	2
16	270109001	Speed Sensor Switch Assembly	1	45	697483001	Handle Compression Spring....	2
17	639116010	Transmission Mount.....	1	46	565045001	Rubber Compression Disc.....	2
18	760961002	Switch	1	47	639120001	Motor Axle Bushing	1
19	535272001	40V Foot	2	48	639491001	Common Foot Contact Plate ...	3
20	539339001	Press Plate	1	49	660563002	Screw (M4.2 x 20 mm, T20 Torx Pan Hd.)	4
21	661508001	Screw (M4 x 38.5 mm, T20 Torx Pan Hd.)	2	50	660208104	Screw (M4 x 30 mm, T15 Torx Pan Hd.)	6
22	636233001	Flat Washer (ID8.5 x OD20.5 x 2t).....	2	51	314364001	LED Circuit Board Assembly ...	1
23	205281001	Upper Handle Support (Inc. Labels).....	1	52	660230011	Screw (M3 x 10 mm, T10 Torx Hd.)	4
24	205213001	Handle Latch Housing Assy.....	1	53	635510001	Bag Frame	1
25	537295001	Bushing	2	54	696138001	Rivet.....	1
26	529327001	Straight Tube Bushing	2	55	679073001	Battery Door Press Spring	1
27	698135002	Tube (Right).....	1	56	313618001	8 in. Wheel Assembly.....	2
28	698136002	Tube (Left)	1	57	890050001	Grass Bag Sensor Switch.....	1
29	532667001	Thumb Pad	1				

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PARTS LIST

KEY NO.	PART NUMBER	DESCRIPTION	QTY	KEY NO.	PART NUMBER	DESCRIPTION	QTY
58	291719007	Inner Wire and Plug Assembly...	1	89	513211001	Cord Clip.....	6
59	660922002	Screw (M4x 7 mm, T20 Torx Hd)	1	90	660608002	Screw (M4 x 16 mm, T20 Torx Hd.)	12
60	313619001	10 in. Wheel Assembly.....	2	91	660970001	Screw (M4 x 17 mm, T20 Torx Hd.)	5
61	639116006	Cable Bracket	1	92	280751002	Signal Conversion Interface Board	1
62	205219001	Battery Housing Vent	1	93	658905001	Handle Bracket (Right).....	1
63	678125001	Washer (OD12 x ID4.3 x 1t)	1	94	658906001	Handle Bracket (Left)	1
64	205374001	Key Assembly (Inc. Hangtag) ...	1	95	205194001	Plug Cover Battery Housing Assembly (Front)	1
65	903718001	21 in. Grass Bag	1	96	696934001	Battery Clear Cover Spring.....	1
66	742461001	40V-DC Motor.....	1	97	660345009	Screw (M4 x 10 mm, T20 Torx Hd.)	1
67	205282001	Trigger Assembly	1	98	622330001	Pin.....	1
68	678002002	Al Rivet.....	2	99	635489001	Rear Axle w/Height Adjustment Plate.....	1
69	205193001	21 in. Deck Assembly (Inc. Labels).....	1	100	662160001	Screw (M8 x 16 mm, T40 Hex Hd.).....	13
70	205375001	Front Bumper Cover Assembly (Inc. Label).....	1	101	613239005	Drive Gear, Left	1
71	635490001	Front Axle.....	1	102	291977002	Main Wiring Harness.....	1
72	664004001	Screw (1/4-20 x 3/4 in.).....	9	103	535014001	Motor Mount	1
73	635512001	Front Axle Mount	2	104	312456007	Driven System Assembly	1
74	681957001	Ball Bearing (ID12 x OD32 x 10 mm).....	8	105	613239004	Drive Gear, Right.....	1
75	613958001	Wheel Bushing.....	4	106	622068004	Gear Shaft.....	2
76	535046001	Wheel Cover	2	107	690698001	Snap Ring	4
77	535047001	Baffle.....	1	108	613738001	Drive Axle Bearing Sleeve.....	2
78	T662406001	Square Nut (M8).....	3	109	682164001	Ball Bearing.....	2
79	205376001	Mulching Plug Assembly (Inc. Hangtag)	1	110	535061001	Rear Guard.....	1
80	660722002	Bolt (M6 x 26 mm).....	4	111	673179002	Rivet.....	5
81	661861001	Screw w/Washer (M4 x 8.5 mm).....	1	112	639118001	Blade Retainer	1
82	537792001	Spring Cover.....	1	113	682282001	21 in. Blade	1
83	660608001	Screw (M4)	2	114	660024061	Screw (M4 x 14 mm, T20 Torx Hd.)	6
84	526912001	Key Connector Base.....	1	115	638557001	Washer (OD15 x ID6.2 x 0.8t) ..	4
85	679075001	Hex Nut (M10).....	1	116	635495001	Height Adjustment Hook.....	1
86	535080001	Motor Fan Blade Adapter	1	117	696924001	Extension Spring.....	1
87	291975001	Inner Wire w/Terminal	1	118	678460002	Lock Nut (M6)	7
88	313626002	Battery Cover Assembly	1				

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PARTS LIST

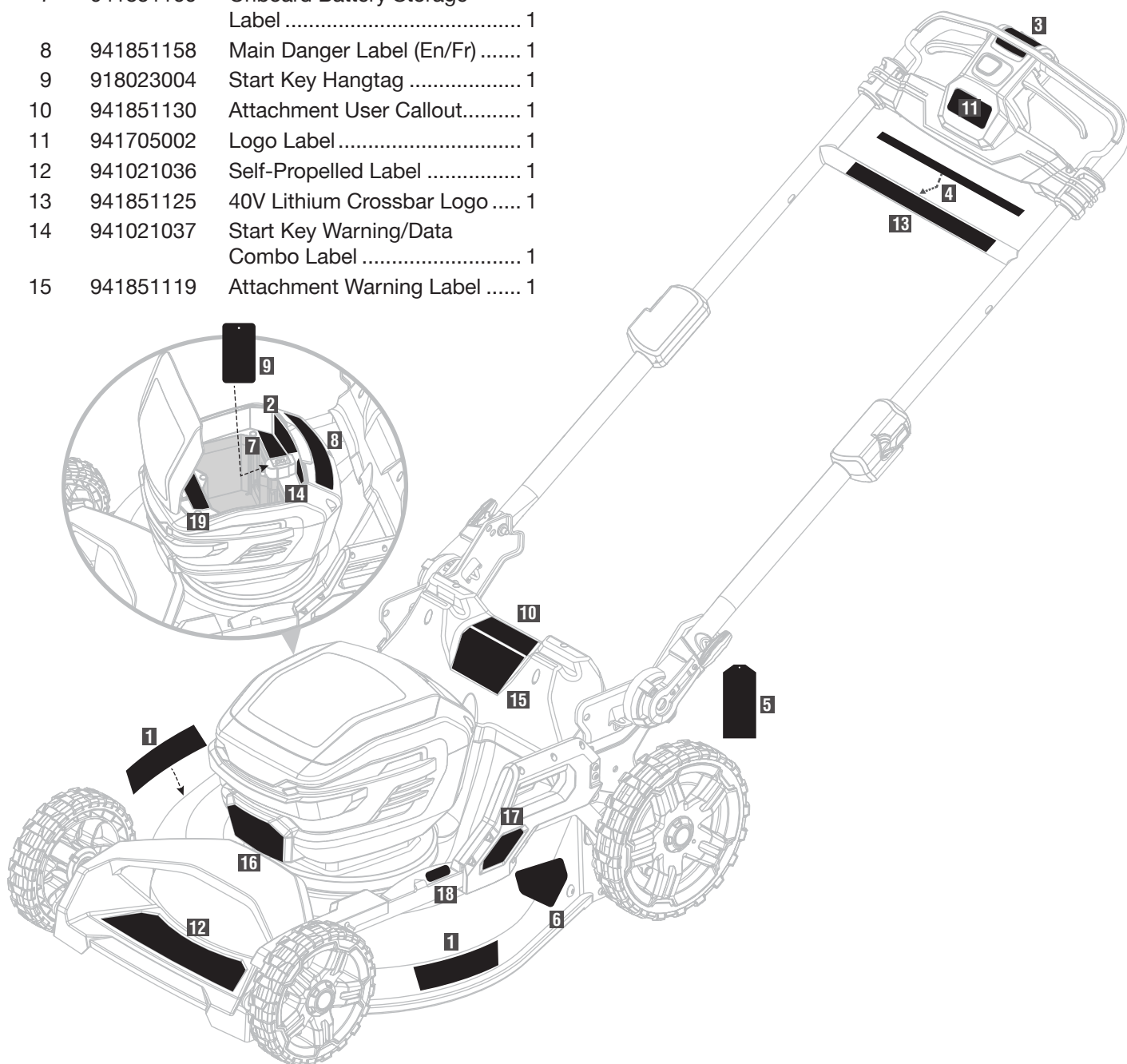
KEY NO.	PART NUMBER	DESCRIPTION	QTY	KEY NO.	PART NUMBER	DESCRIPTION	QTY
119	635496001	Height Adjustment Linkage.....	1	126	660697002	Screw (M6 x 20 mm, T27 Torx Hd.)	7
120	661431003	Bolt (M6 x 14 mm, Hex Soc. Hd.).....	6	127	532760002	Common Foot Cover	2
121	697164001	Height Adjustment Trigger Spring	1	128	639178001	Female Terminal	2
122	660353001	Bolt (M6 x 22 mm, Hex Hd.)	1	NOT SHOWN:			
123	637087001	E-Ring (ID 6 mm).....	2	995000685	Operator's Manual		
124	662082001	Flange Lock Nut.....	4	6-2-20			
125	535005001	Battery Housing (Bottom)	1	(Rev:01)			

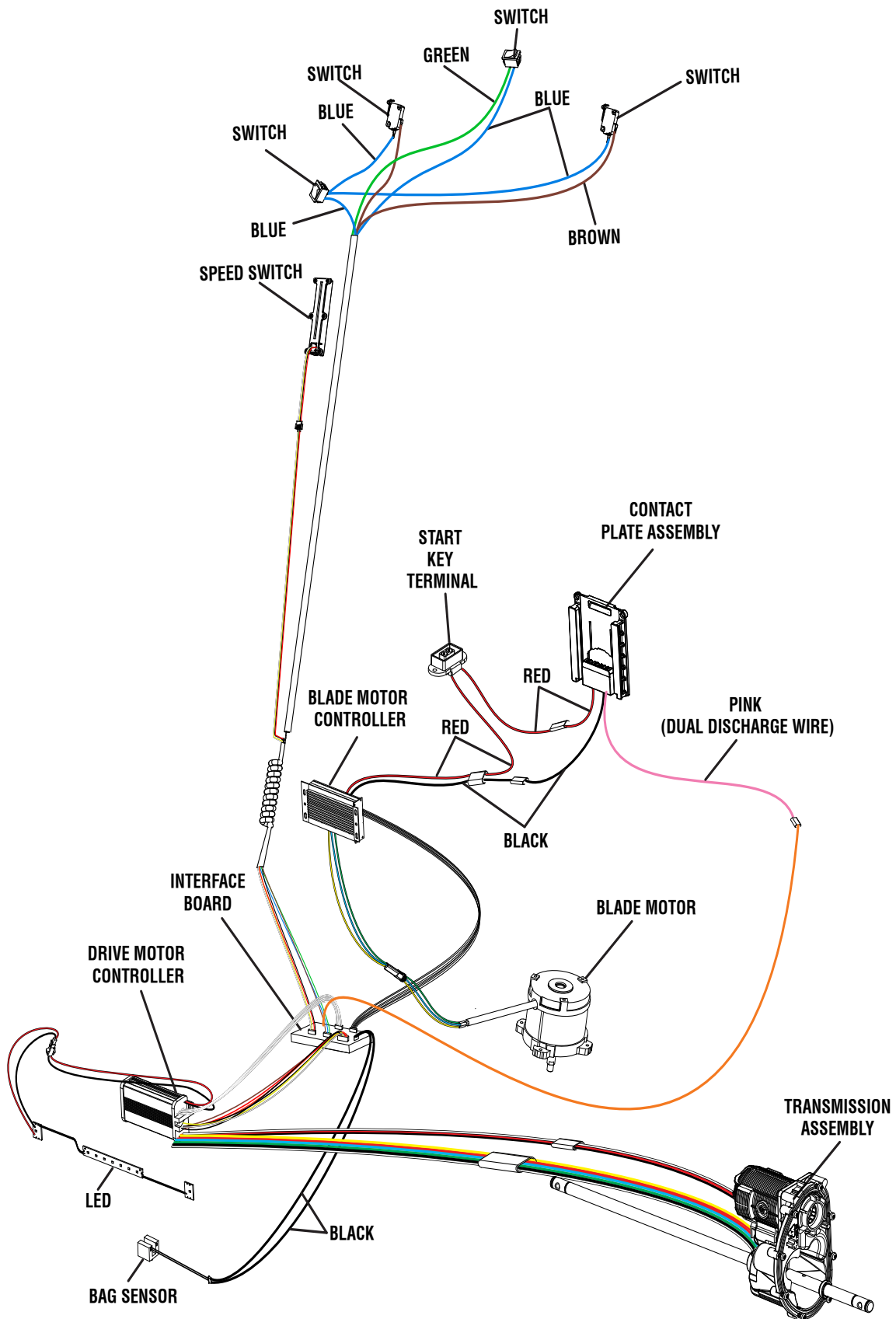
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LABELS

KEY NO.	PART NUMBER	DESCRIPTION	QTY	KEY NO.	PART NUMBER	DESCRIPTION	QTY
1	940851498	Deck Size Label	2	16	941851120	Logo Label (Front).....	1
2	941851159	Main Danger Label (Sp)	1	17	941851122	Single Point Adjust Label.....	1
3	941705001	Starting Instructions Label.....	1	18	941851123	Cut Height Label.....	1
4	941851178	Handles Fully Extended Label..	1	19	941021035	Battery Wet Conditions/ Data Label (RY401013)	1
5	918016051	Mulch Plug Hangtag	1		941588602	Battery Wet Conditions/ Data Label (RY401013VNM)	1
6	941641001	CPSC Cut Finger Label.....	1				
7	941851160	Onboard Battery Storage Label	1				
8	941851158	Main Danger Label (En/Fr)	1				
9	918023004	Start Key Hangtag	1				
10	941851130	Attachment User Callout.....	1				
11	941705002	Logo Label	1				
12	941021036	Self-Propelled Label	1				
13	941851125	40V Lithium Crossbar Logo	1				
14	941021037	Start Key Warning/Data Combo Label	1				
15	941851119	Attachment Warning Label	1				





WIRING DIAGRAM