

REPAIR SHEET

BRAND

RYOBI

DESCRIPTION

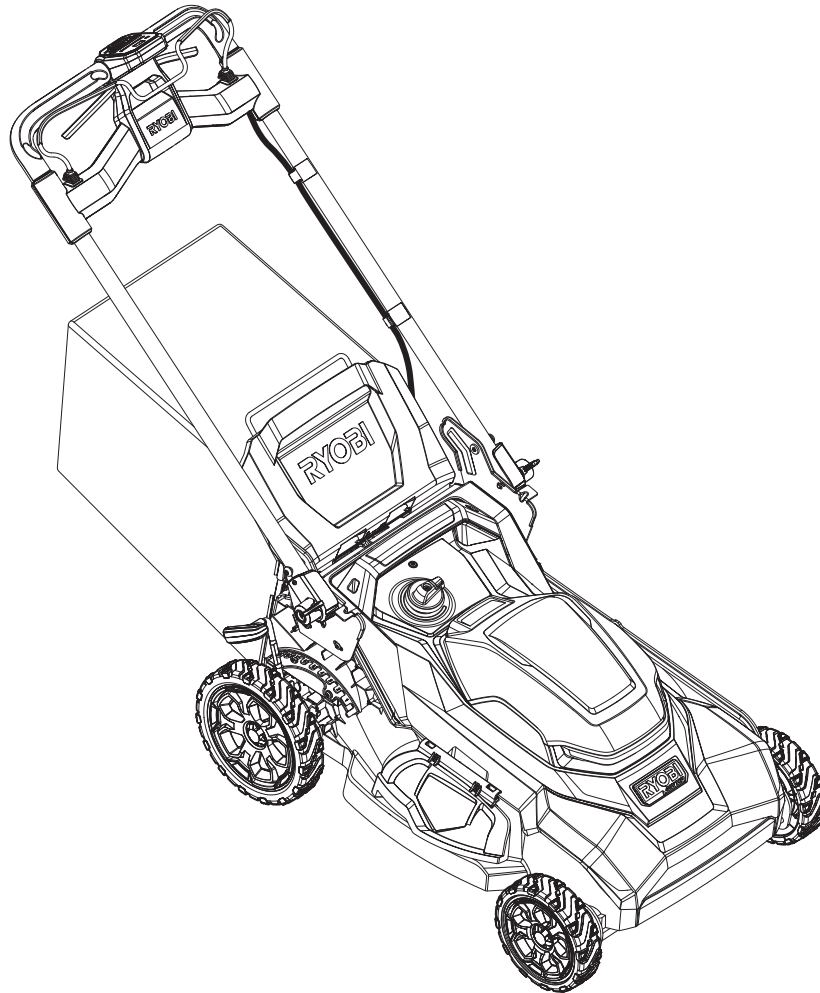
40 Volt 21 in. Lawn Mower

MODEL NO.

RY40HPLM01

MFG. NO.

108556001

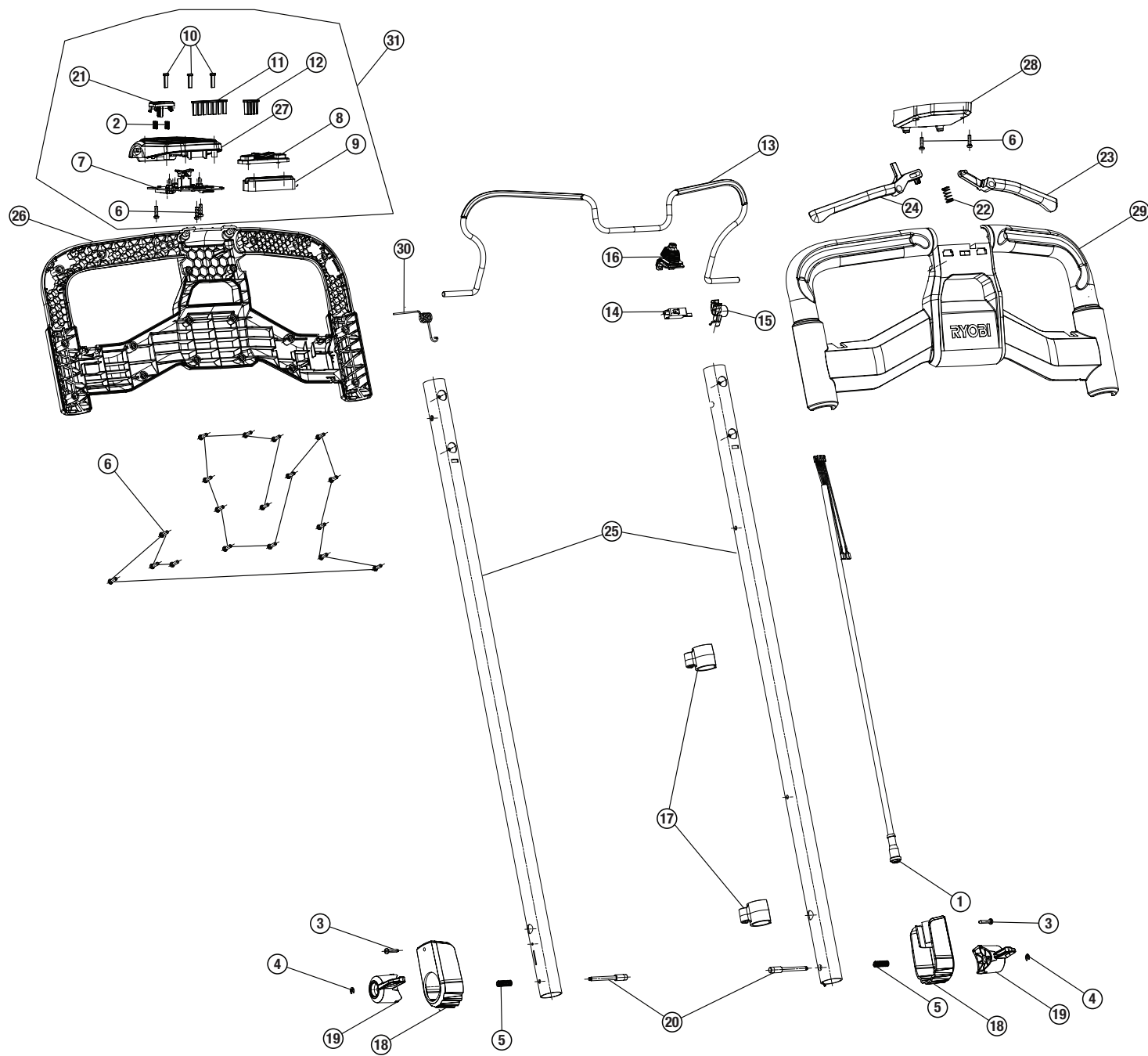


TTI OUTDOOR POWER EQUIPMENT, INC.

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

4-22-25 (Rev:02)

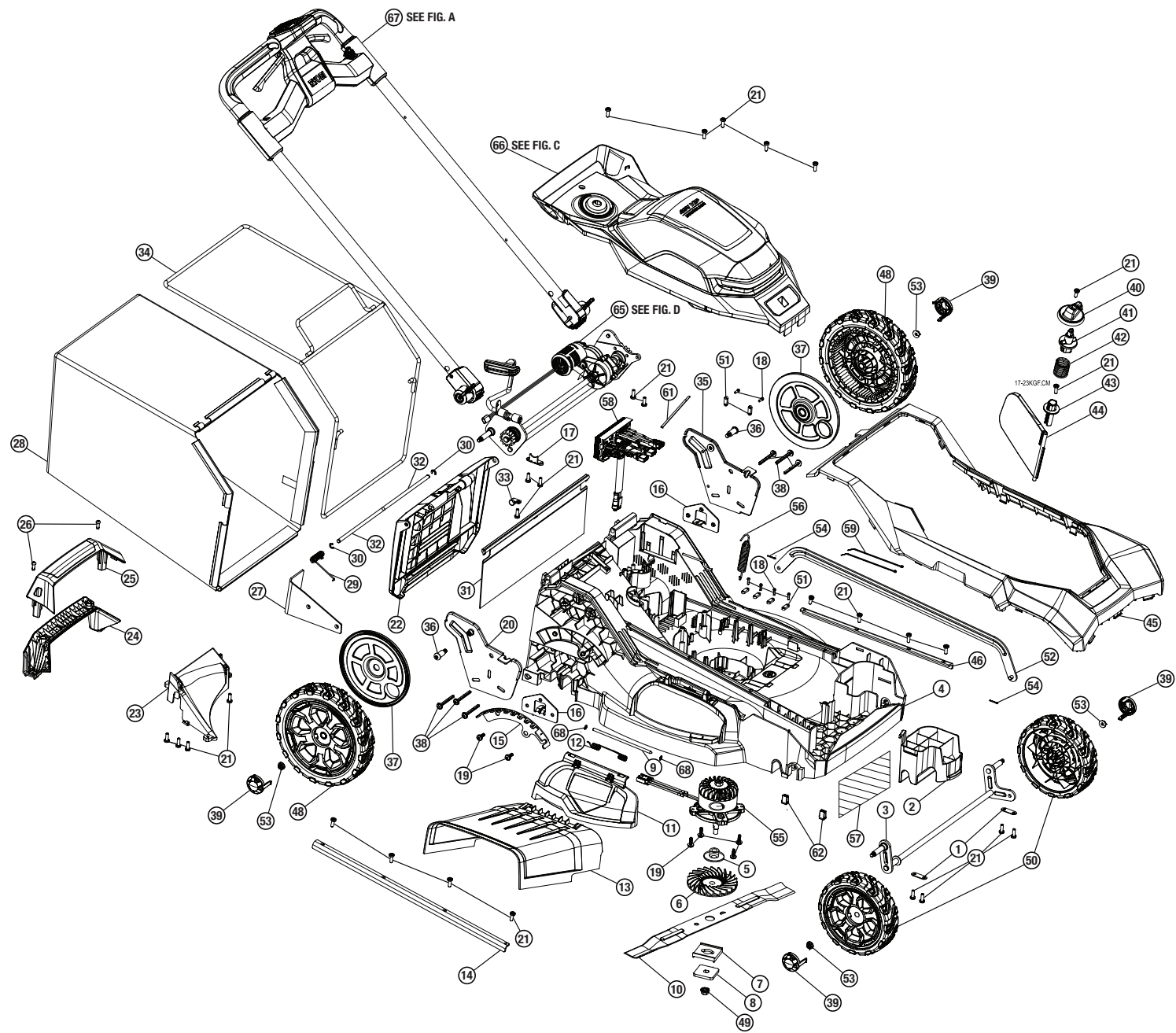
The model number and manufacturing location will be found on a label attached to the product. Always mention this information in all communications regarding this product and when ordering parts.



PARTS LIST — FIGURE A

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	292708001	Wire Harness	1
2	687263001	Compression Spring	2
3	661189003	Screw (M4 x 18 mm)	2
4	678353001	E-Ring	2
5	694490001	Spring	2
6	660024061	Screw M4.0X1.8 PH TORX T20	27
7	281169023	Circuit Board Assembly	1
8	568977001	Silicone Buttons	1
9	553855001	Plastic Button Spacer	1
10	553853001	Accessory Light Tube	3
11	553852001	Speed Light Tube	1
12	553854001	Fuel Gauge Light Tube	1
13	657371002	Bail	2
14	760034042	Micro Switch	1
15	553840001	Bail Actuator	1
16	569139001	Rubber Boot	1

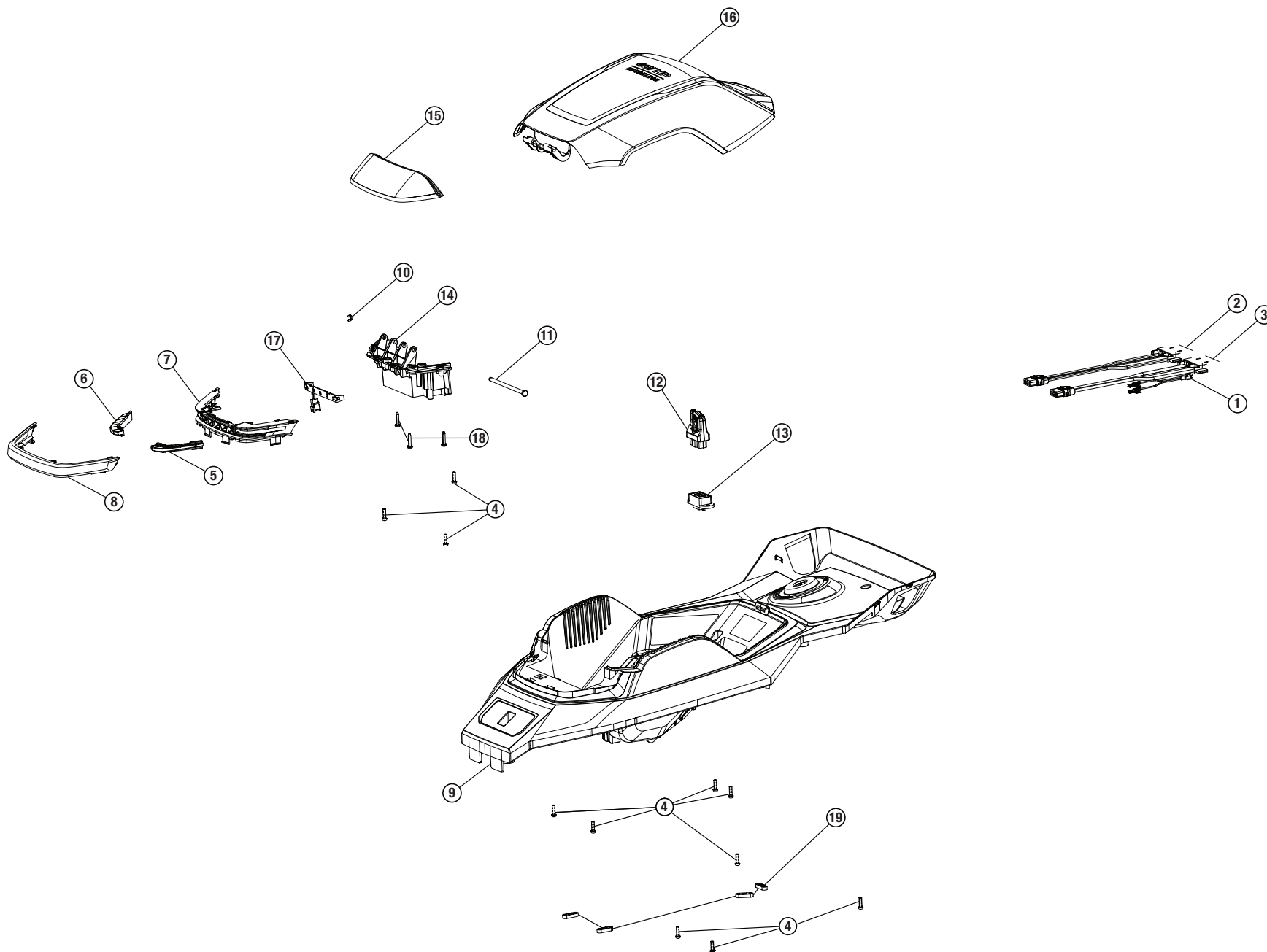
KEY NO.	PART NO.	DESCRIPTION	QTY.
17	544302001	Cord Retainer	2
18	543971001	Bushing for Adjustment Knob	2
19	543972001	Adjustment Knob	2
20	674293001	Detent Pin	2
21	553551001	Start Button	1
22	694218001	Spring	1
23	553621001	Left Trigger	1
24	553622001	Right Trigger	1
25	311116003	Left & Right Handle Tube Assembly	2
26	553857001	Rear Handle Housing	1
27	205908013	Front Pod Housing w/ Label	1
28	553859001	Rear Pod Housing	1
29	553856001	Front Handle Housing	1
30	687250002	Torsion Spring	1
31	205908025	Front Cut Command Center Module (Inc. Key Nos. 2, 6-12, 21, and 27)	1



PARTS LIST — FIGURE B

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	639116012	Front Axle Plate	2
2	553793001	Hole Plug	1
3	656307003	Front Axle	1
4	205278005	Deck w/ Labels	1
5	613427001	Motor Bushing	1
6	535080004	Fan Blade Adapter	1
7	526920003	Plastic, Blade Spacer Plate	1
8	639118002	Metal, Blade Spacer Plate	1
9	698355001	Side Cover Hinge Rod	1
10	682534001	Blade	1
11	205908014	Side Discharge Cover w/ Label	1
12	699080004	Cover Spring	1
13	541644001	Side Discharge Chute	1
14	657391002	Right Support Bar	1
15	657290002	Height Adjust Handle Bracket	1
16	657369002	Handle Bracket Support Plate	2
17	639116011	Rear Axle Plate	1
18	660024061	Screw	6
19	663156001	Screw M6 Torx T30	6
20	656415003	Right Handle Bracket	1
21	664004004	Screw 1/4"-15	28
22	205908015	Rear Door w/ Label	1
23	553472001	Ramp	1
24	553469001	Carry Handle Bottom	1
25	553420001	Carry Handle Top	1
26	661409008	Screw M6 Torx T30	2
27	657272004	Height Adjust Support Plate	1
28	970834002	Grass Catcher	1
29	698995001	Spring	1
30	678880001	E Ring	2
31	547099003	Trailing Shield	1
32	622754001	Rear Door Axle	1

KEY NO.	PART NO.	DESCRIPTION	QTY.
33	657980003	Loop Clamp	1
34	659320005	Grass Bag Frame	1
35	656416003	Left Handle Bracket	1
36	663149001	Screw M8 Torx 45	2
37	554131001	Wheel Dust Cover	2
38	663155001	Screw M6 Torx T30	6
39	553589001	Hub Cap	4
40	553161001	Mulch Door Handle	1
41	553467001	Handle Adapter	1
42	683971002	Compression Spring	1
43	553468001	Door Adapter	1
44	553606001	Mulch Door	1
45	205908011	Top Cover w/ Label	1
46	657390002	Left Support Bar	1
48	318565007	10inch Wheel	2
49	679075001	Nut	1
50	318565005	8inch Wheel	2
51	513211004	Cord Clip	6
52	656460003	Axle Linkage Bar	1
53	662974001	Nut M8x1.25	4
54	678279004	Cotter Pin	2
55	205908023	Motor	1
56	687436001	Spring	1
57	904389005	Sandbag	1
58	281330039	Controller	1
59	790055001	Cable Tie	2
61	790076002	Cable Clip	1
62	569293001	Rubber Plug	2
65	317684004	Rear Axle Assembly	1
66	318325003	Power Head Assembly	1
67	318318004	Handle Assembly	1
68	678490001	External Ring	2



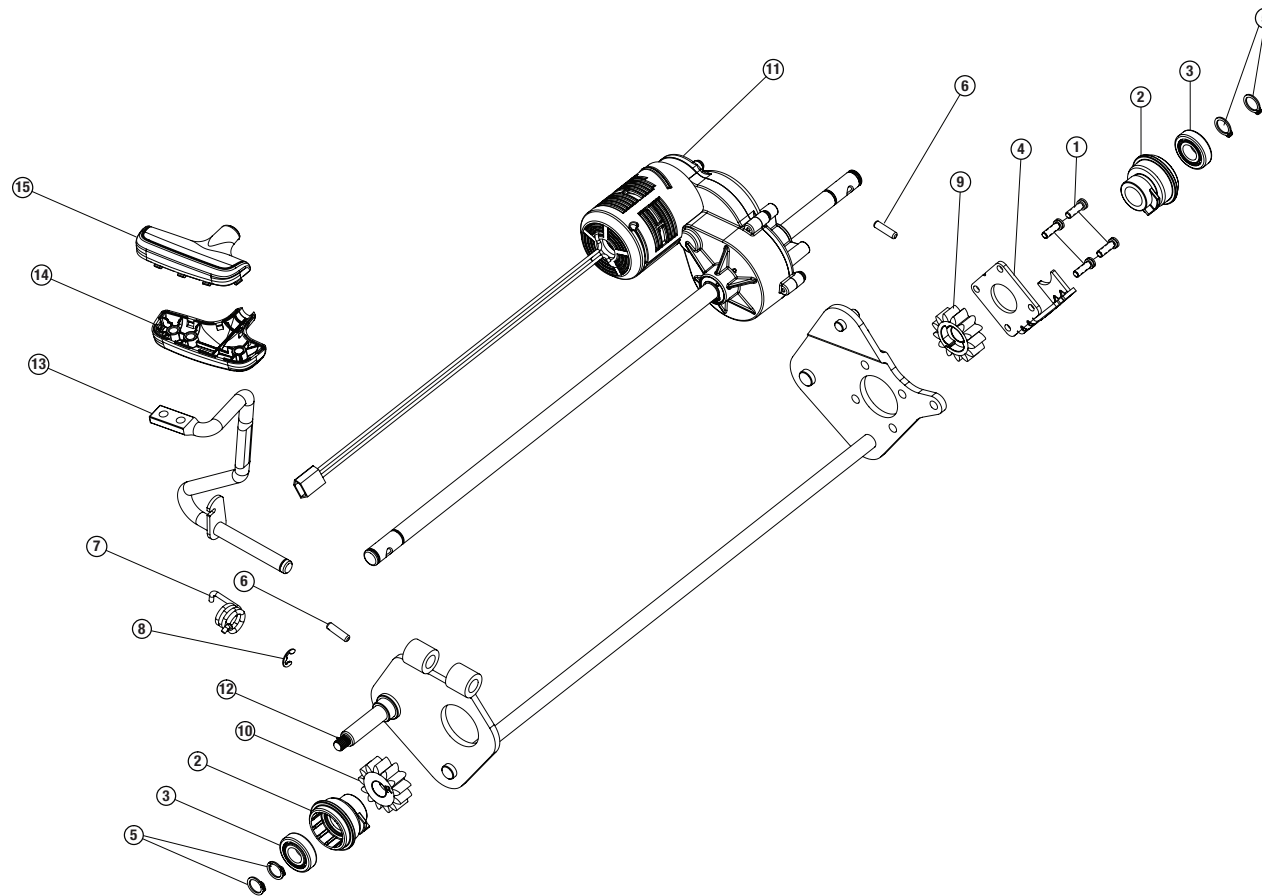


RY40HPLM01

PARTS LIST — FIGURE C

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	292636001	Key Harness	1
2	292163007	Battery Harness (Black, Blue, Brown)	1
3	292163006	Battery Harness (Black, Orange, Purple)	1
4	660024061	Screw	11
5	553583001	LED Light Cover (Left)	1
6	553584001	LED Light Cover (Right)	1
7	553578001	LED Reflector	1
8	553577001	LED Cover	1
9	205908012	Battery Housing w/ Labels	1
10	693525001	E-Clip	1

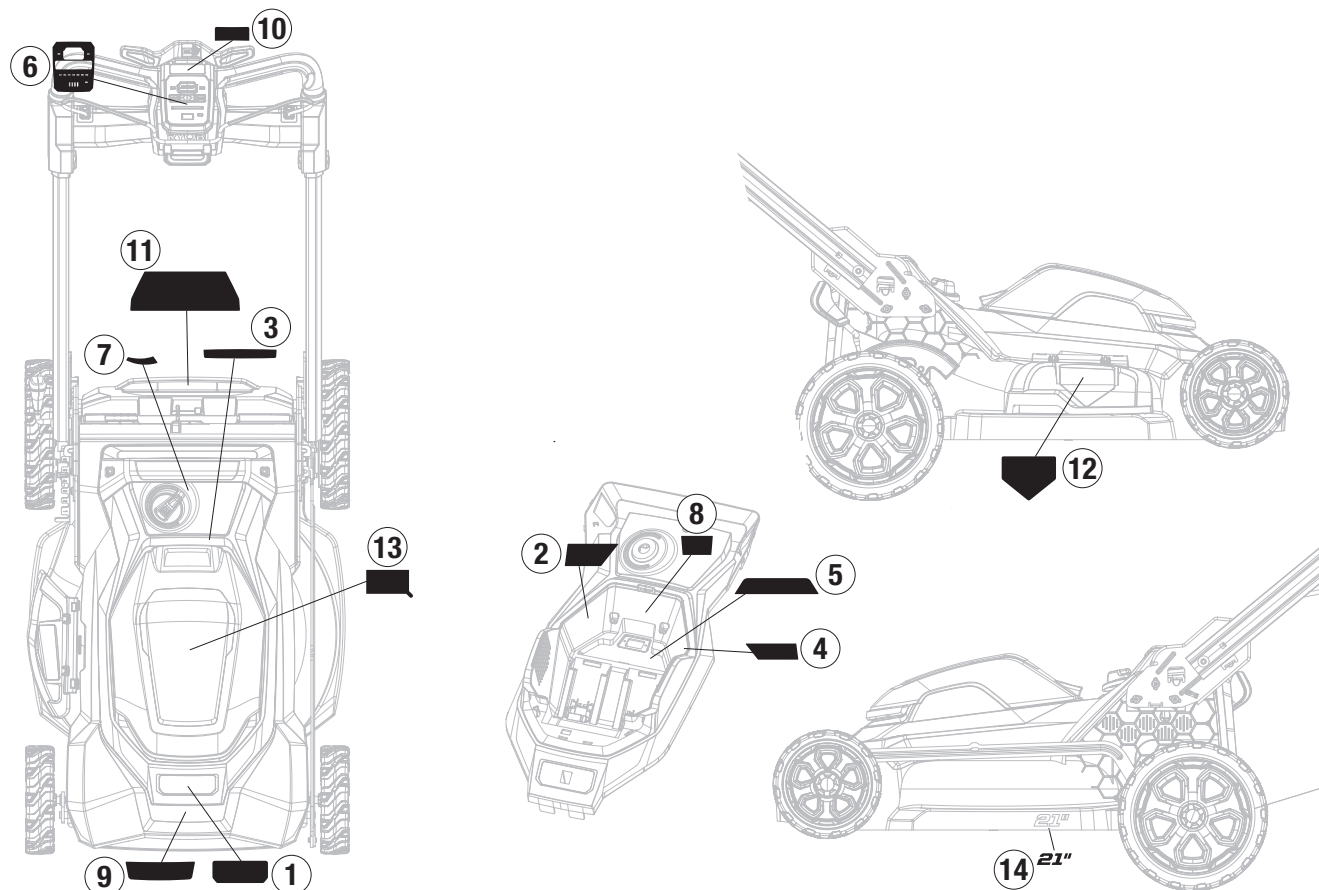
KEY NO.	PART NO.	DESCRIPTION	QTY.
11	623618001	Pin (5mm x 96.9mm)	1
12	311280001	Start Key Assembly	1
13	526912001	Key Connector Base	1
14	553579002	Hinge Cover	1
15	553422003	Battery Door Cover	1
16	318333009	Battery Cover	1
17	281660011	Headlight Circuitboard Assembly	1
18	661189003	Screw (M4 x 18mm)	3
19	513211004	Cord Clip	4



PARTS LIST – FIGURE D

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	660927002	Screw (M5 x16, Torx Hd.)	4
2	544086001	Ball Bearing Cup	2
3	682164001	Bearing	2
4	659708001	Connecting Plate	1
5	690698001	External Retaining Ring	4
6	622068004	Dowel Pin	2
7	699325001	Torsion Spring	1
8	678880001	E Ring	1

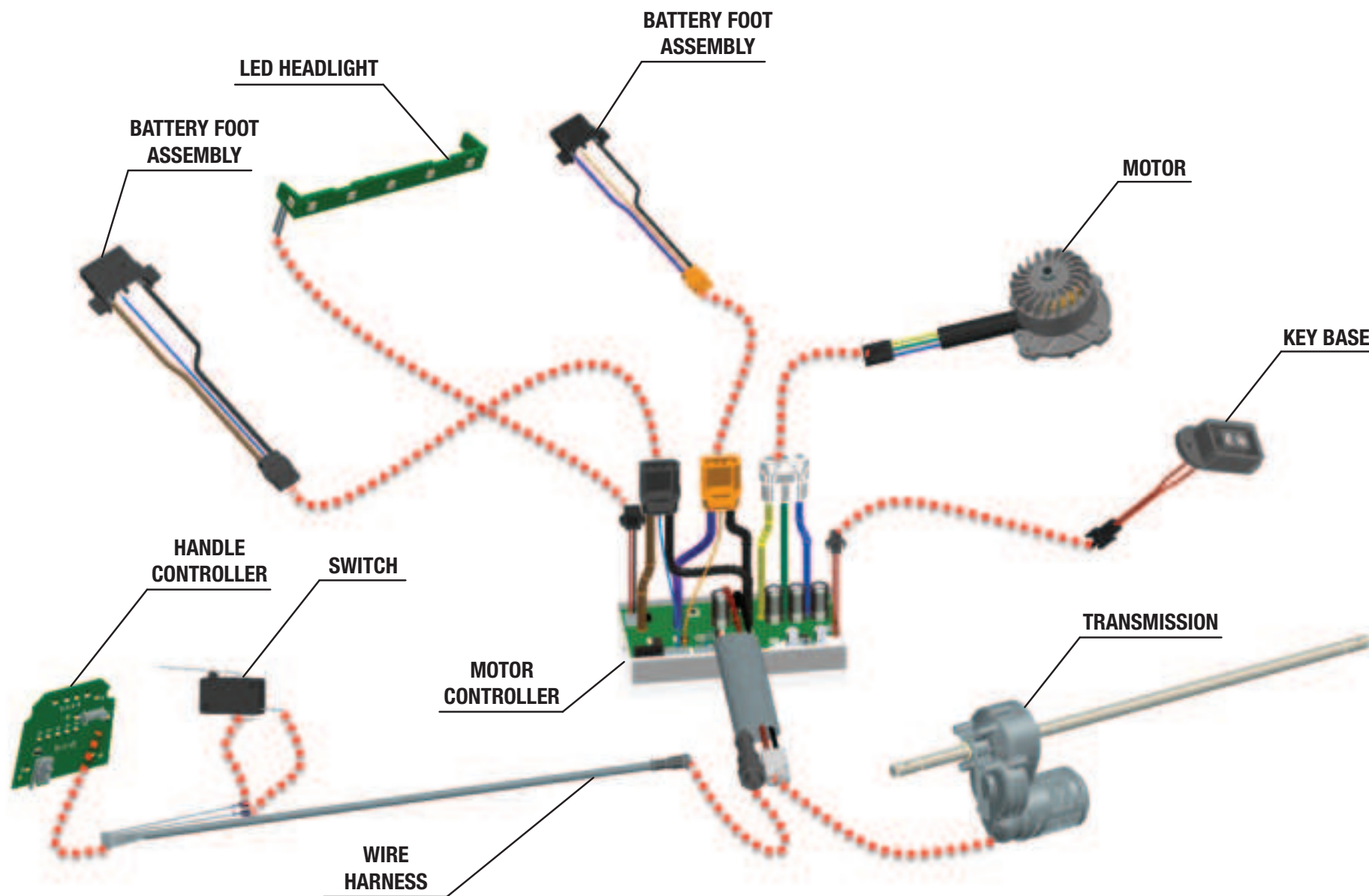
KEY NO.	PART NO.	DESCRIPTION	QTY.
9	616363003	Left Drive Gear	1
10	616363002	Right Drive Gear	1
11	210667004	Transmission	1
12	657047005	Rear Axle	1
13	685899001	Height Adjustment Handle	1
14	552708001	Right Knob	1
15	552709001	Left Knob	1



PARTS LIST — LABELS

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	940779436	Ryobi 40V HP-Standard Label	1
2	940779820	Data Label	1
3	940779821	Icon Label	1
4	940779822	Battery Wet Warning Label	1
5	940779823	Start Key Warning Label	1
6	940779824	Console LED Label	1
7	940779825	Mulch Door Label	1

KEY NO.	PART NO.	DESCRIPTION	QTY.
8	940779826	QR Code Start Key Label	1
9	940779827	Self-Propelled Label	1
10	940779828	Starting Instructions Label	1
11	941097095	Danger Door Label	1
12	941641001	No Hands/Feet Danger Label	1
13	940779917	Battery Usage Temp Label	1
14	940779920	21in Label	1



WIRING DIAGRAM