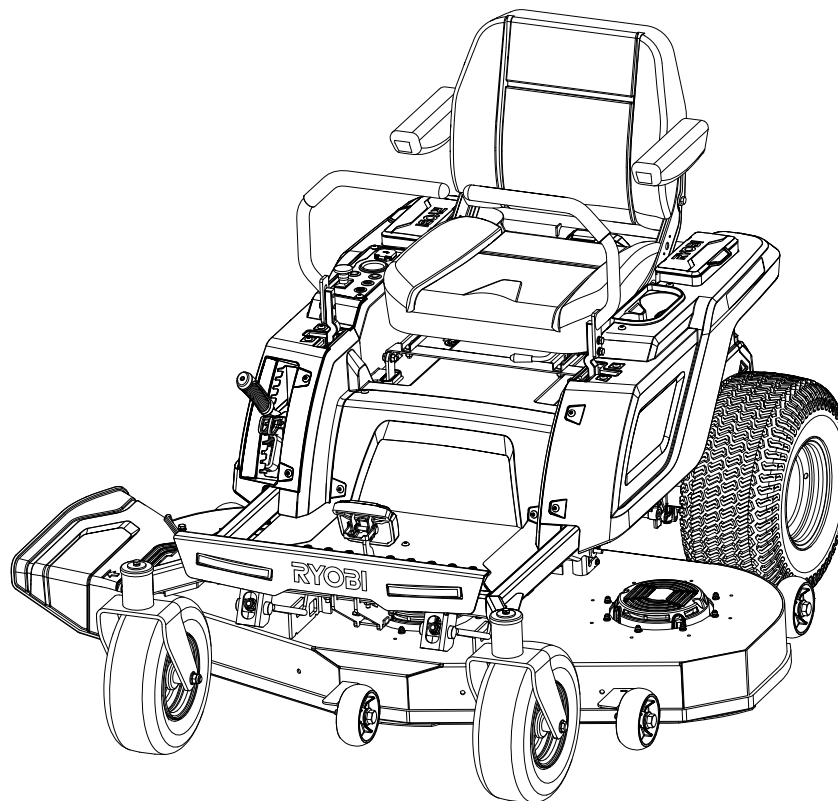


REPLACEMENT PARTS LIST

BRAND RYOBI		DESCRIPTION 54 in. Electric Zero Turn Mower
MODEL NO. RY48140 RY48141	MFG. NO. 099749046 099749053	



TECHTRONIC INDUSTRIES POWER EQUIPMENT

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

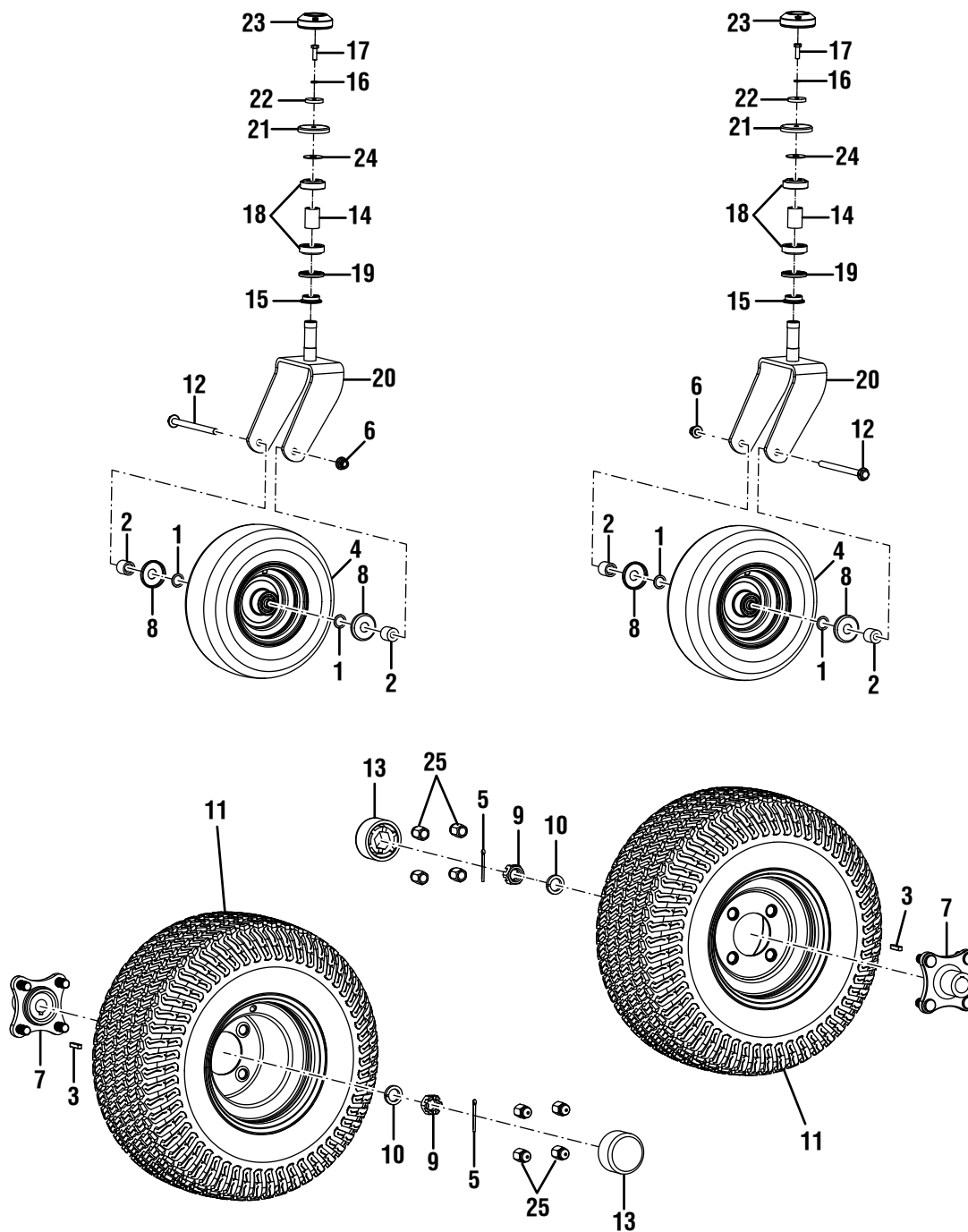
998000498
2-16-21 (Rev:01)

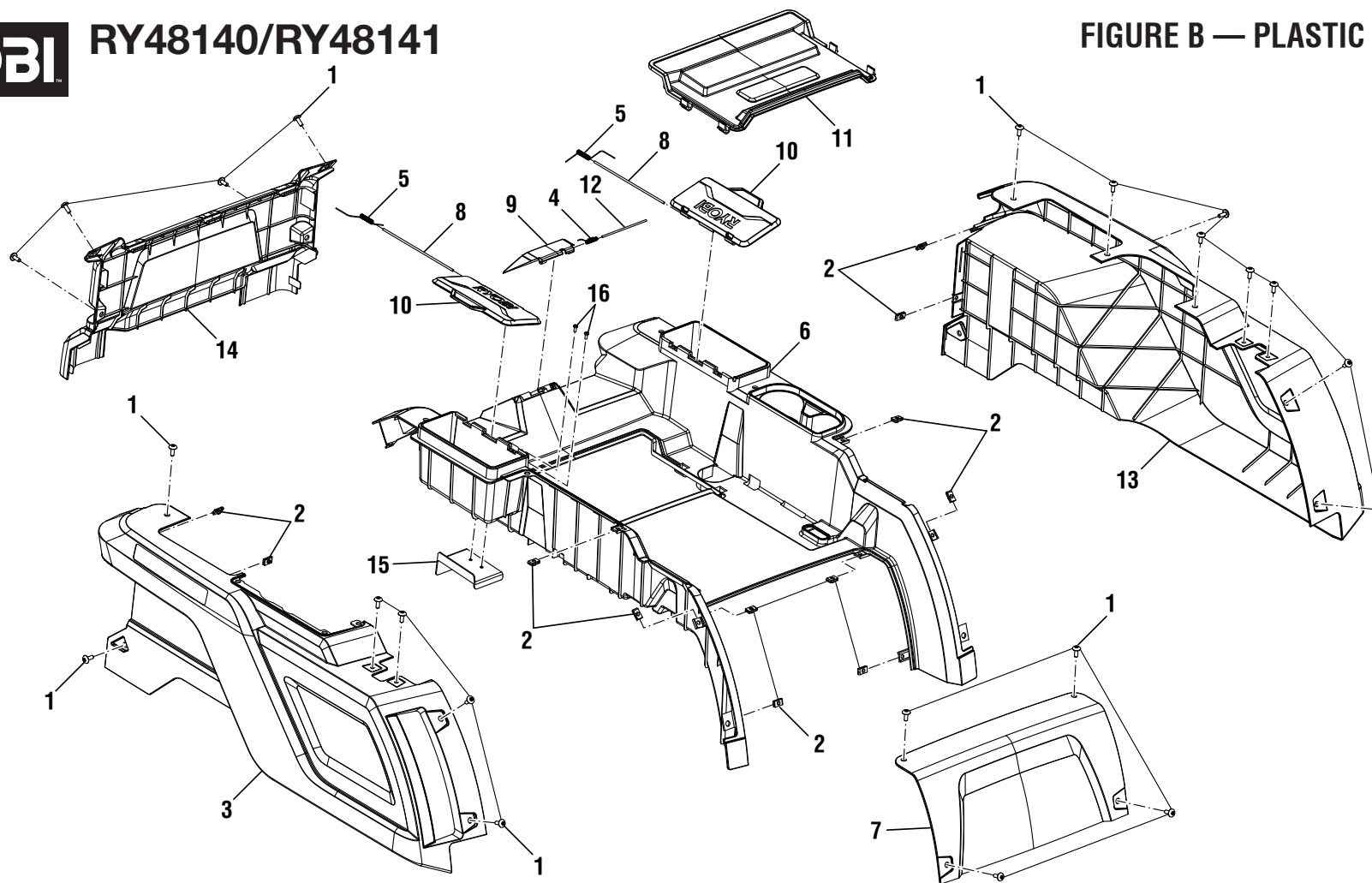
The model number and manufacturing location will be found on a label attached to the product. Always mention this information in all communications regarding this product and when ordering parts.

PARTS LIST — FIGURE A

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	994842001	Washer (28 x 20.5 x 2t)	4
2	996997001	Caster Wheel Spacer	4
3	996988001	Key (6 mm x 6 mm x 30 mm)	2
4	997681001	Caster Wheel	2
5	997139001	Drive Shaft Cotter Pin	2
6	996999001	Flange Nut (M12)	2
7	996987001	Wheel Hub	2
8	994857001	Front Wheel Bearing Cover	4
9	997138001	Castle Nut (M20)	2
10	997134001	Lock Spring Washer (ID20.6 x OD30.6 x 4.8t)	2
11	997680001	Rear Wheel Assembly	2
12	996998001	Flange Bolt (M12 x 170 mm, Hex Hd.)	2
13	996029001	Wheel Hub Cover	2
14	996993001	Bearing Assembly Spacer	2
15	996991001	Bearing Assembly Base	2
16	994770001	Lock Washer (M8)	2
17	997142001	Bolt (M8 x 25 mm)	2
18	996992001	Roller Bearing (ID25 mm x OD52 mm)	4
19	997125001	Rubber Seal	2
20	996990001	Caster Fork	2
21	996994001	Bearing Assembly Cap	2
22	996995001	Fender Washer (ID8.4 x OD37 x 6t)	2
23	997130001	Caster Fork Cover	2
24	997036001	Fender Washer (ID12.5 x OD40 x 2t)	2
25	997143001	Acorn Nut (M14)	8

FIGURE A — WHEEL ASSEMBLY

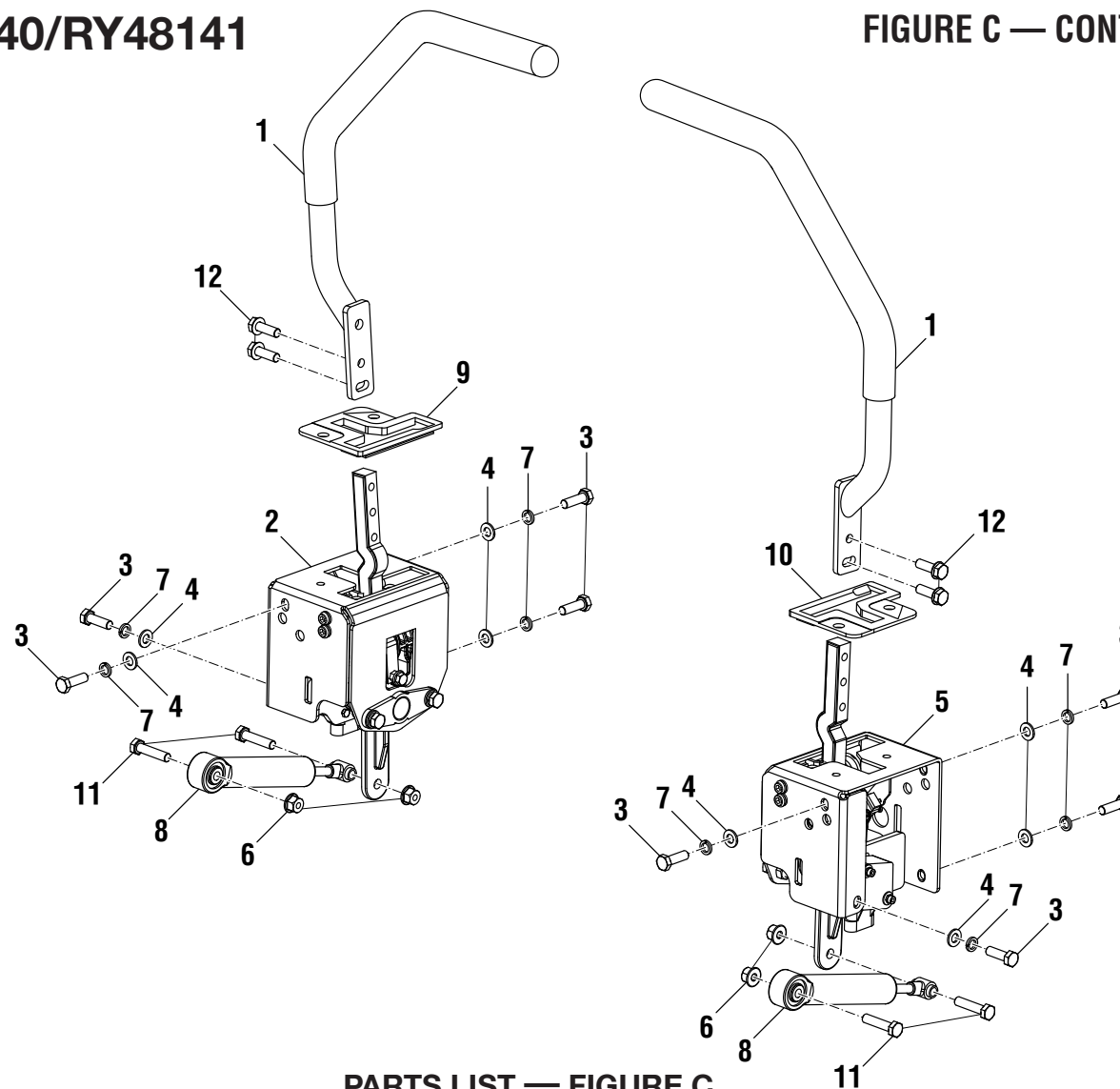




PARTS LIST — FIGURE B

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	994989001	Screw (M6 x 16 mm, Torx Pan Hd.)	22
2	994785001	Clip-On Nut (M6)	12
3	997064001	Right Trim Cover	1
4	997075001	Charger Port Door Spring	1
5	997076001	Storage Box Spring	2
6	997061001	Center Trim Cover	1
7	997066001	Front Access Panel	1
8	997070001	Storage Box Hinge Pin	2

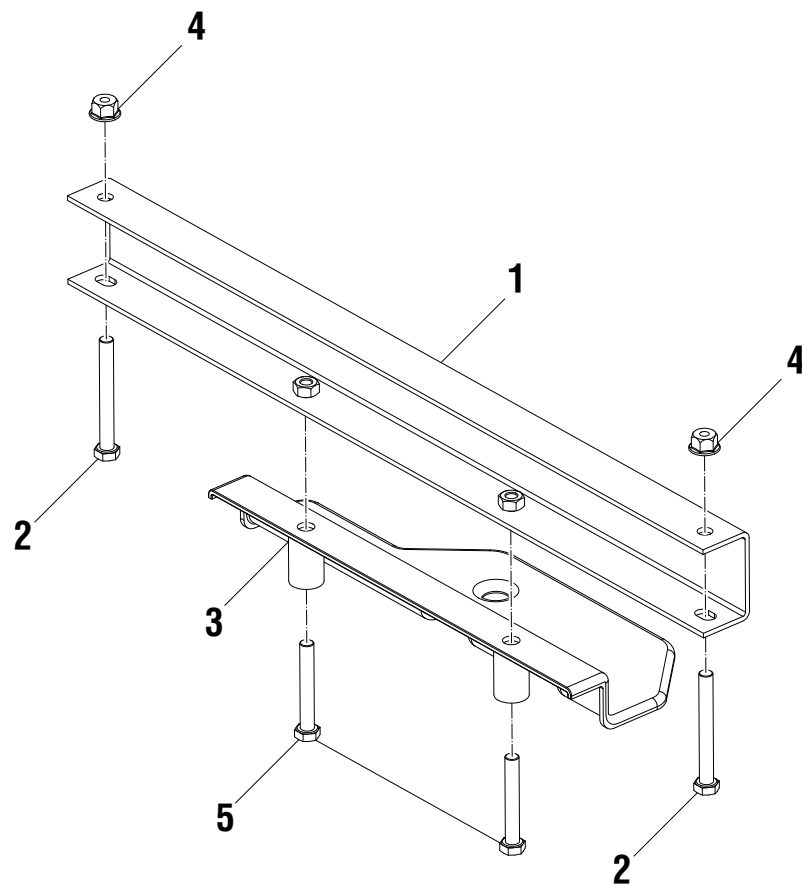
KEY NO.	PART NO.	DESCRIPTION	QTY.
9	997067001	Charger Port Door	1
10	997068001	Storage Box Lid	2
11	997065001	Center Access Panel	1
12	997069001	Charger Port Door Hinge Pin	1
13	997063001	Left Trim Cover	1
14	997062001	Rear Trim Cover	1
15	997087001	Main Relay Guard	1
16	996297001	Screw (M4 x 10 mm, Pan Hd.)	2



PARTS LIST — FIGURE C

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	997677001	Control Arm Handle	2
2	997144001	Control Arm Assembly, Left	1
3	996046001	Bolt (M8 x 25 mm, Hex Hd.)	8
4	994771001	Washer (M8)	8
5	997145001	Control Arm Assembly, Right	1
6	994867001	Flange Nut (M8)	4

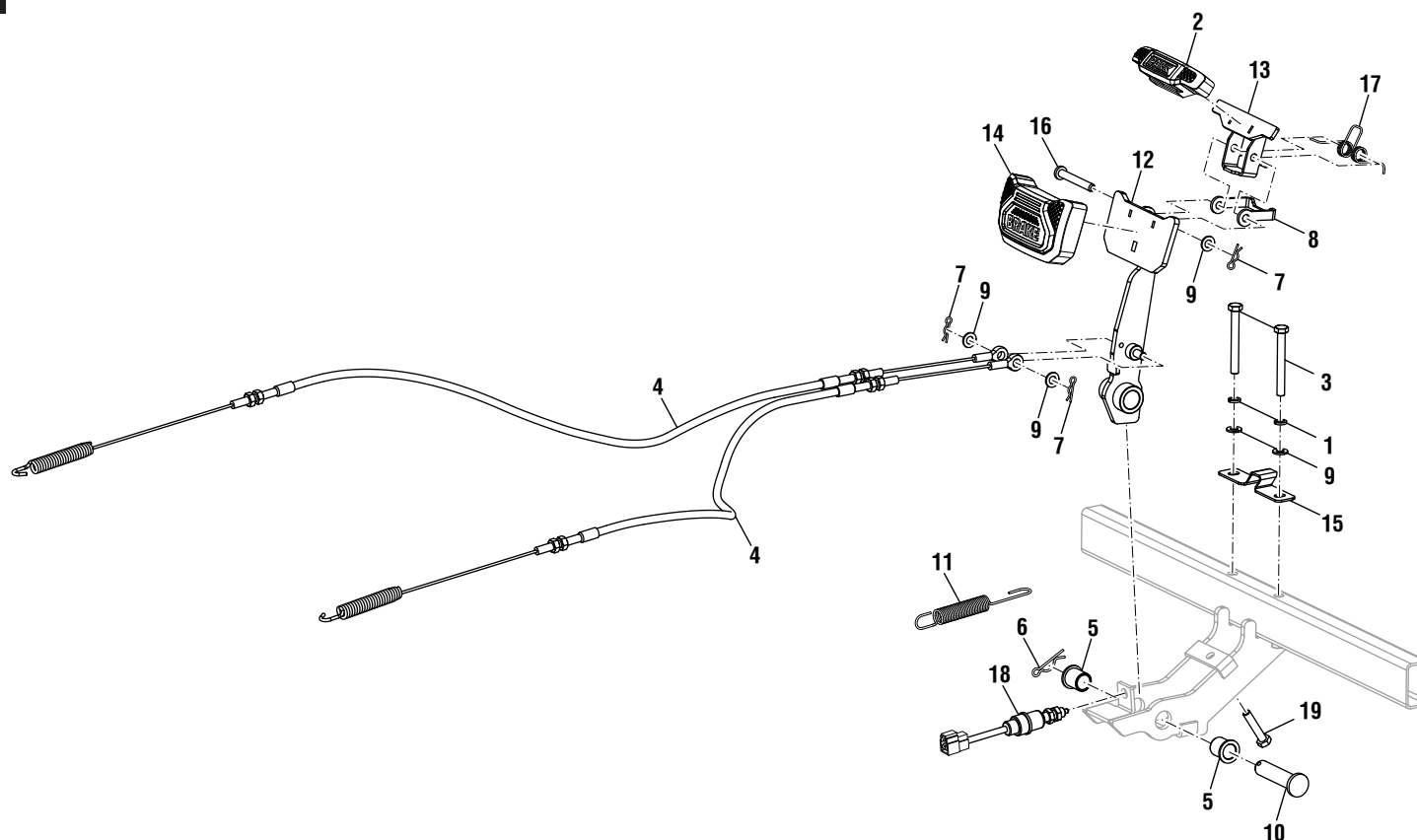
KEY NO.	PART NO.	DESCRIPTION	QTY.
7	994770001	Lock Washer (M8)	8
8	997072001	Control Arm Damper	2
9	997043001	T-Slot Insert, Left	1
10	997044001	T-Slot Insert, Right	1
11	997135001	Bolt (M8 x 35 mm, Hex Hd.)	4
12	997146001	Bolt w/Washer (M8 x 25 mm, Hex Hd.)	4



PARTS LIST — FIGURE D

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	996983001	Rear Cross Member, Frame	1
2	997089001	Bolt (M8 x 70 mm, Hex Hd.)	2
3	997051001	Tow Hitch	1
4	994867001	Flange Nut (M8)	2
5	997136001	Bolt (M8 x 55 mm, Hex Hd.)	2

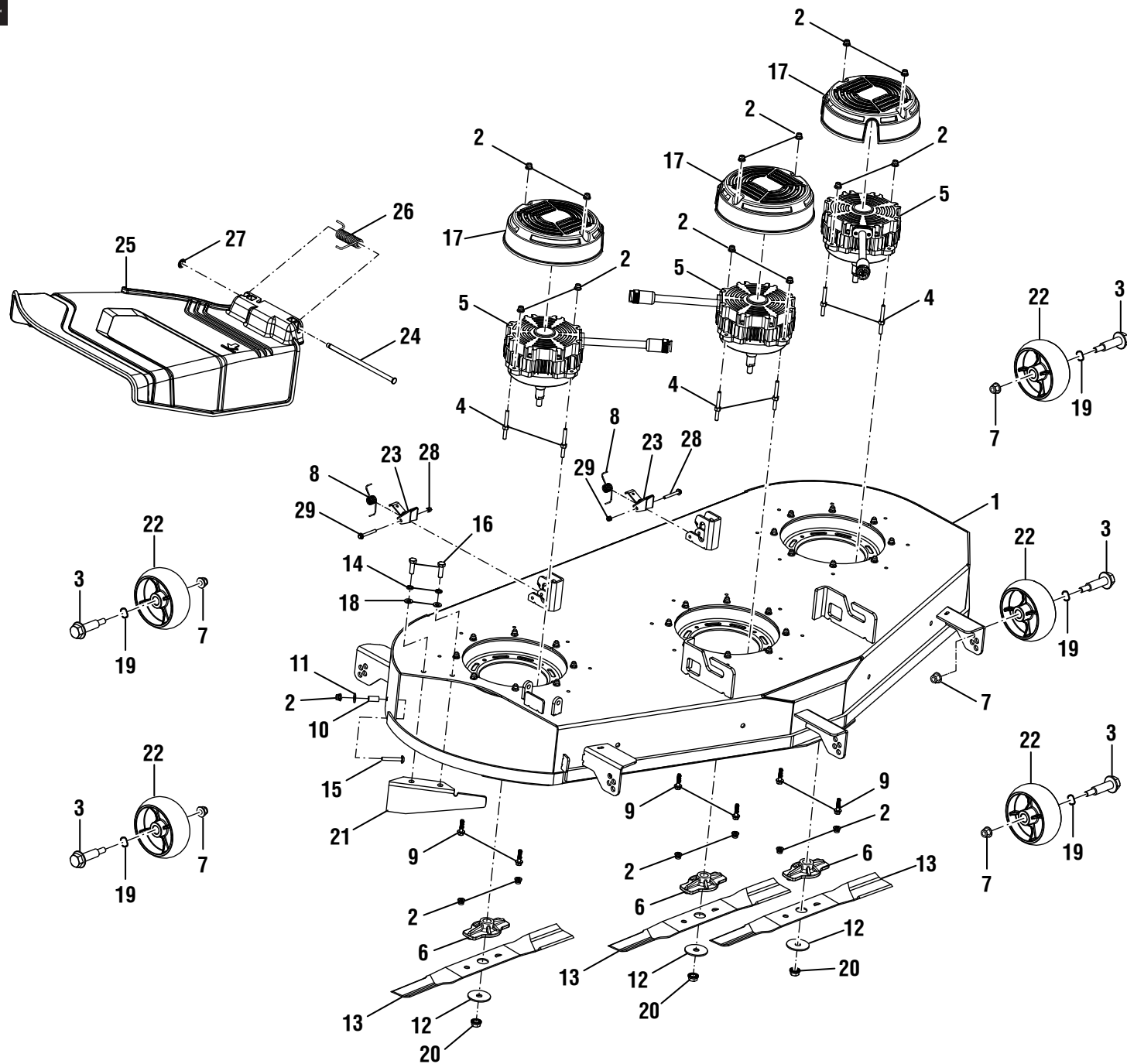
FIGURE E — BRAKE ASSEMBLY



PARTS LIST — FIGURE E

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	994770001	Lock Washer (M8)	2
2	997010001	Parking Brake Rubber Pad	1
3	997089001	Bolt (M8 x 70 mm, Hex Hd.)	2
4	997452001	Brake Cable	2
5	994928001	Bushing, Brake Pedal	2
6	994930001	Cotter Pin (16 mm)	1
7	996013001	Cotter Pin	3
8	997006001	Parking Brake Latch	1
9	994771001	Washer (M8)	5
10	994929001	Pedal Axle Pin	1

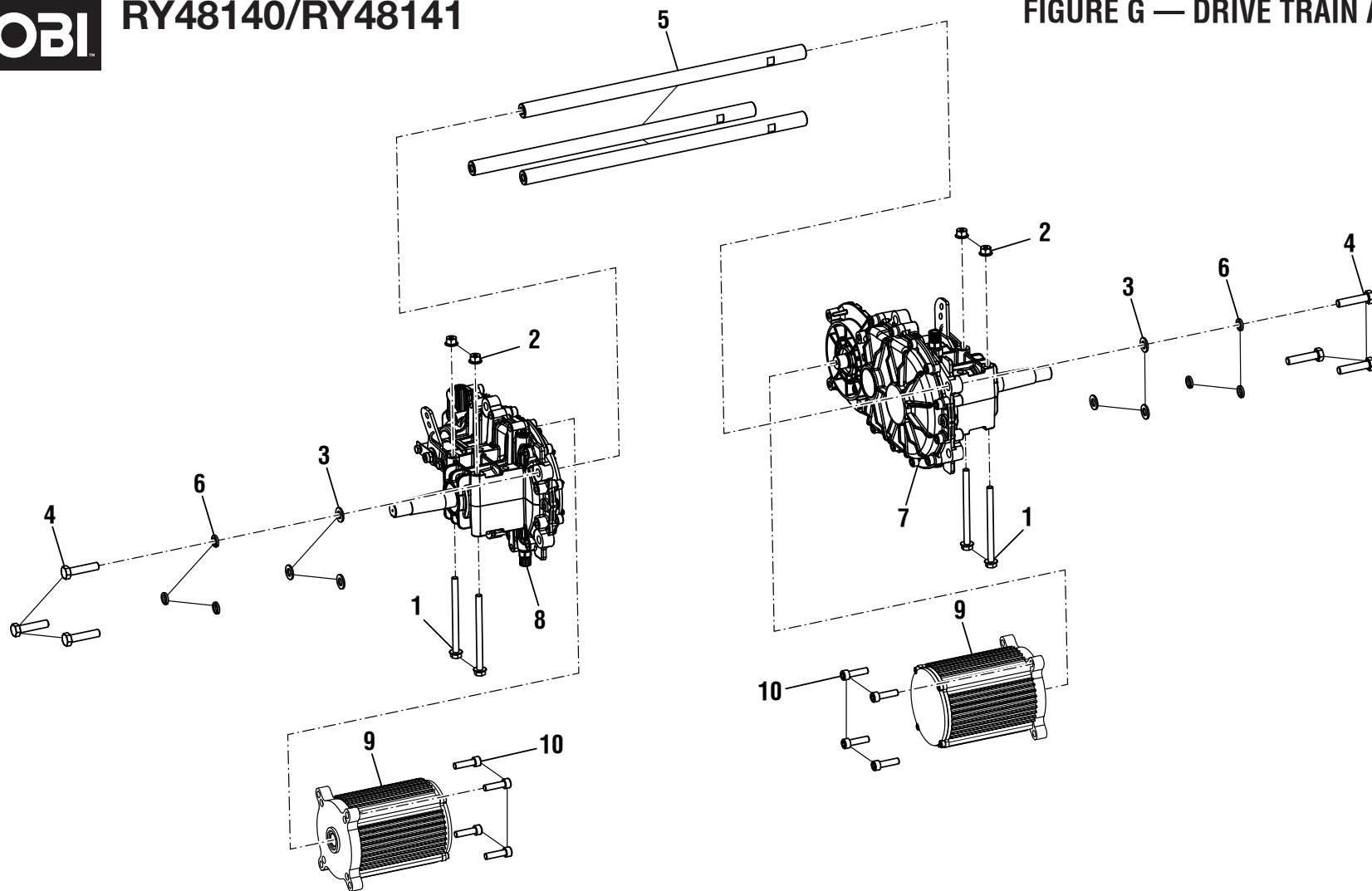
KEY NO.	PART NO.	DESCRIPTION	QTY.
11	997011001	Brake Pedal Spring	1
12	997004001	Brake Pedal Lever	1
13	997005001	Parking Brake Pedal	1
14	997009001	Brake Pedal Rubber Pad	1
15	997003001	Brake Latch Hook	1
16	997007001	Clevis Pin (M8 x 60 mm)	1
17	997008001	Parking Brake Torsion Spring	1
18	994837001	Brake Switch	1
19	997131001	Bolt (M8 x 40 mm, Hex Hd.)	1



**RY48140/RV48141****PARTS LIST — FIGURE F**

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	997462001	Deck, 54 in. (Inc. Key Nos. 8, 23, and 28-29)	1
2	996251001	Flange Lock Nut (M6)	17
3	996205001	Shoulder Bolt (M10 x 70 mm)	5
4	996201001	Threaded Stud (M6 x 35 mm)	6
5	997684001	Deck Motor	3
6	997027001	Blade Adapter	3
7	996192001	Hex Lock Nut (M10)	5
8	997683001	Deck Clip Spring	2
9	996057001	Flange Bolt (M6 x 25 mm, Hex Hd.)	6
10	996039001	Deck Bagger Chute Mounting Shaft	1
11	996034001	Flat Washer (M6)	1
12	997028001	Blade Retainer Washer	3
13	997464001	Blade (18.5 in.)	3
14	994867001	Lock Washer (M8)	2
15	996250001	Screw (M6 x 40 mm, Torx Hd.)	1

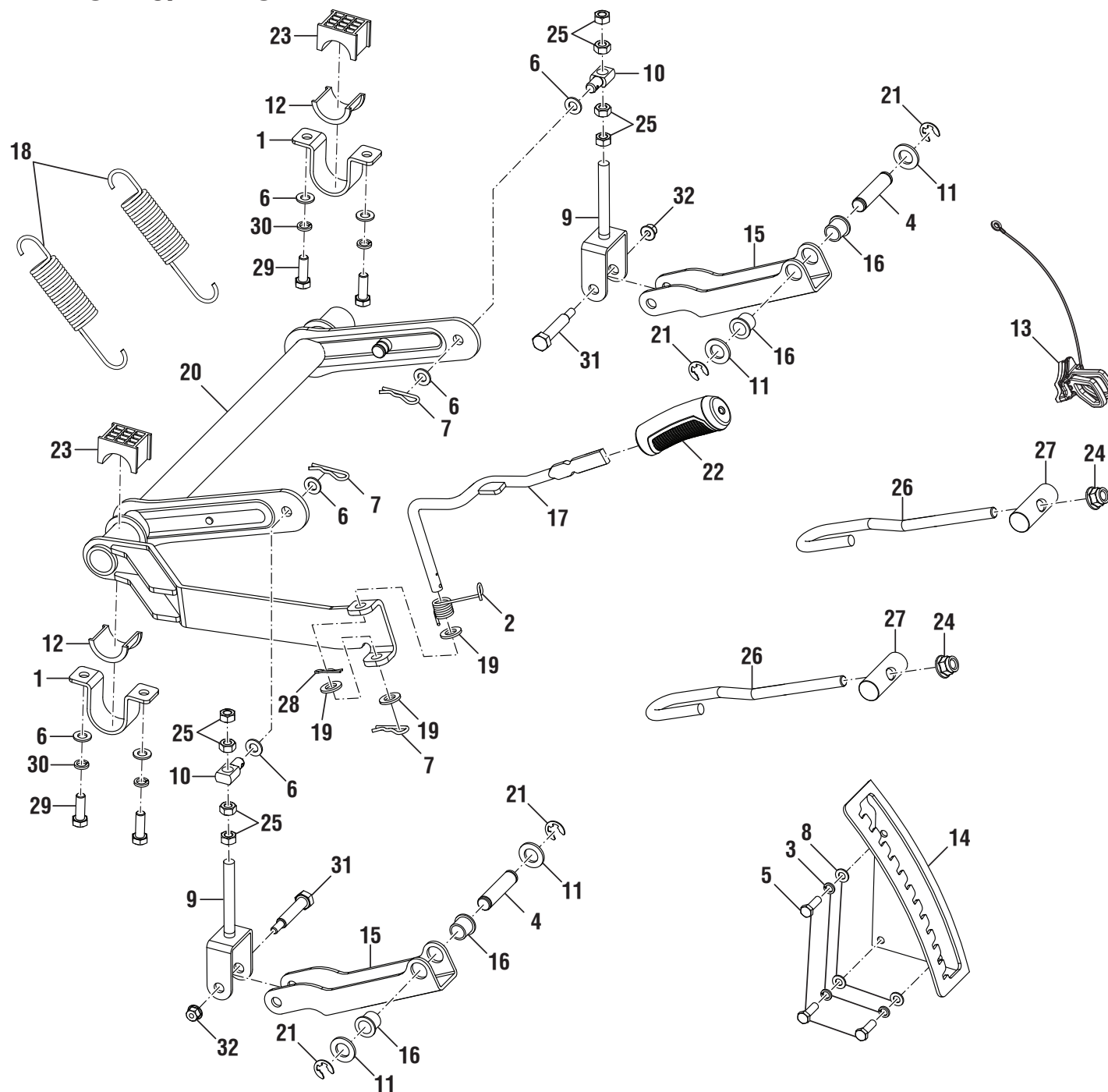
KEY NO.	PART NO.	DESCRIPTION	QTY.
16	996046001	Carriage Bolt (M8 x 25 mm)	2
17	997463001	Deck Motor Cover, Top	3
18	994771001	Washer (M8)	2
19	996355001	Spring Washer	5
20	996261001	Lock Nut (M10)	3
21	997474001	Deck Baffle (42 in.)	1
22	996265001	Front Deck Roller Wheel	5
23	997479001	Deck Clip Latch	2
24	997466001	Hinge Pin	1
25	997465001	Side Discharge Chute	1
26	994980001	Torsion Spring	1
27	996292001	Push-On Retainer Clip	1
28	997477001	Flange Nut (M5)	2
29	997476001	Bolt (M5 x 45 mm)	2



PARTS LIST — FIGURE G

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	997088001	Flange Bolt (M8 x 110 mm, Hex Hd.)	4
2	994867001	Flange Nut (M8)	4
3	994996001	Washer (M10)	6
4	996323001	Bolt (M10 x 45 mm, Hex Hd.)	6
5	997000001	Tie Rod	3

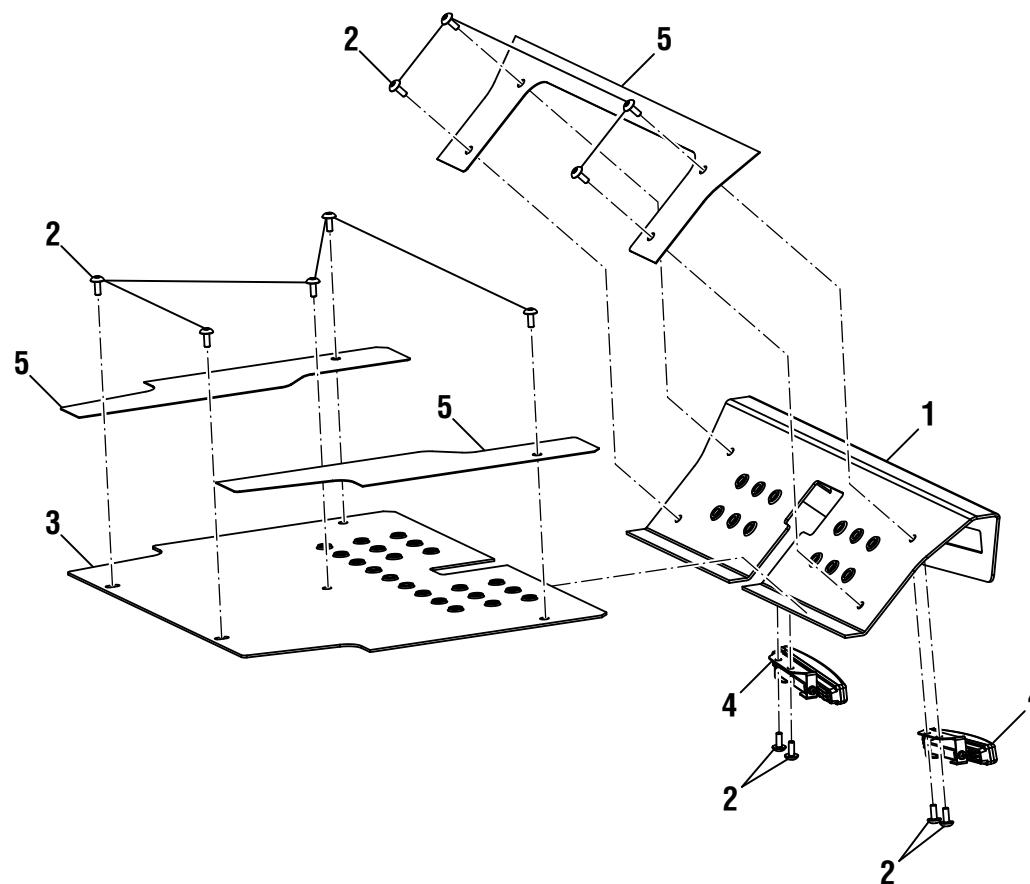
KEY NO.	PART NO.	DESCRIPTION	QTY.
6	994998001	Lock Spring Washer (ID10.9 x OD16.1 x 2.6t)	6
7	997158001	Gearbox, Left	1
8	997159001	Gearbox, Right	1
9	997470001	Drive Motor	2
10	997160001	Screw (M8 x 30 mm, Soc Hd.)	8



**RY48140/R48141****PARTS LIST — FIGURE H**

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	997458001	Deck Lift Axle Mount	2
2	997023001	Deck Lift Lever Torsion Spring	1
3	994770001	Lock Washer (M8)	3
4	997474001	Deck Lift Linkage Axle	2
5	996046001	Bolt (M8 x 25 mm)	3
6	994996001	Washer (M10)	8
7	996233001	Cotter Pin	3
8	994771001	Washer (M8)	3
9	997460001	Deck Lift Linkage	2
10	997455001	Hanger Stud	2
11	994763001	Washer (ID17 x OD30 x 3t)	4
12	997456001	Deck Lift Axle Bushing, Bottom	2
13	997128001	Cut Height Memory Plug	1
14	997679001	Detent Plate	1
15	997454001	Y-Hook, Deck Hanger	2
16	997359001	Deck Lift Linkage Bushing	4

KEY NO.	PART NO.	DESCRIPTION	QTY.
17	997678001	Deck Lift Lever	1
18	997461001	Deck Lift Spring	2
19	994891001	Washer (M13)	3
20	997459001	Deck Lift Linkage and Axle Assembly	1
21	994833001	E-Clip	4
22	994972001	Decklift Handle	1
23	997457001	Deck Lift Axle Bushing, Top	2
24	996999001	Flange Nut (M12)	2
25	997685001	Nut (M12)	8
26	997453001	J-Hook, Front Deck Hanger	2
27	997097001	Front Deck Hanger Pivot Axle	2
28	994892001	Cotter Pin	1
29	997106001	Bolt (M10 x 30 mm, Hex Hd.)	4
30	994998001	Lock Spring Washer (ID10.9 x OD16.1 x 2.6t)	4
31	997478001	Deck Linkage Shoulder Bolt	2
32	994867001	Flange Nut (M8)	2

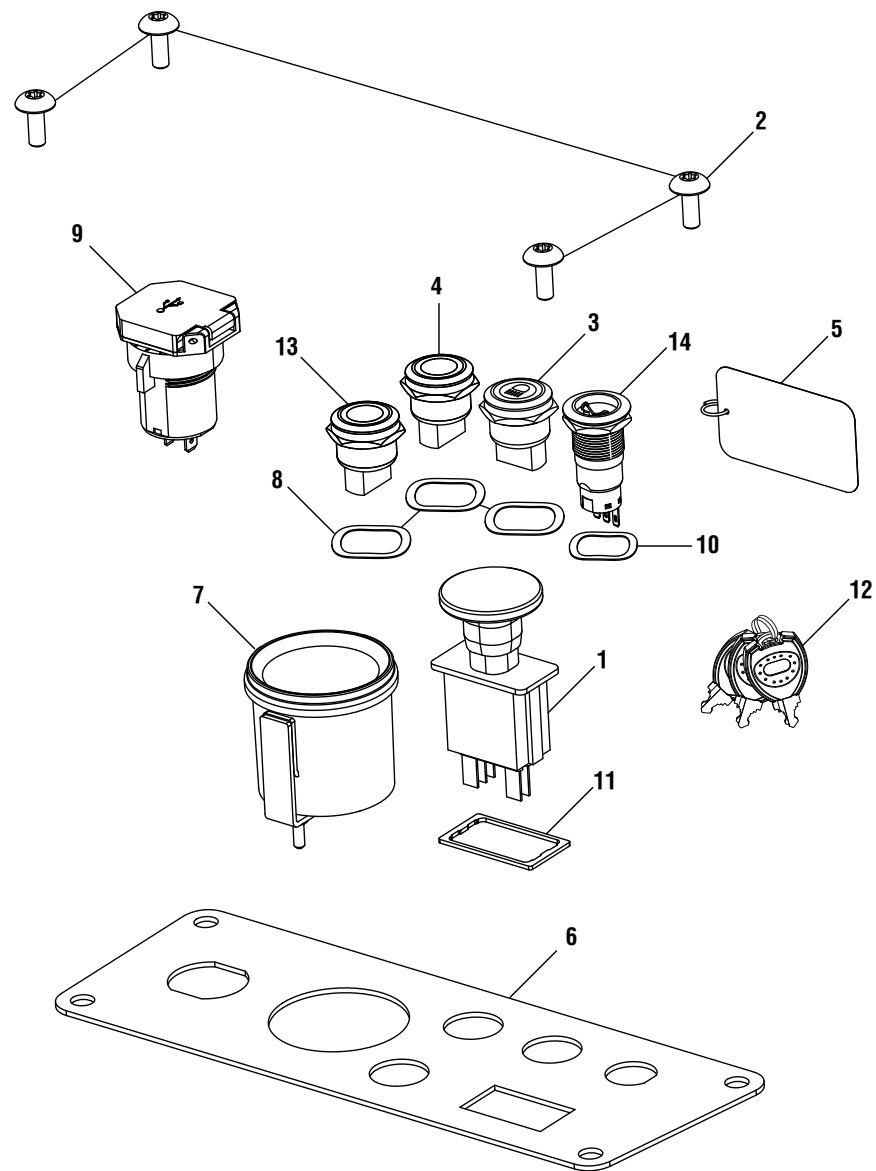


PARTS LIST — FIGURE I

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	997001001	Foot Rest Plate	1
2	994989001	Screw (M6 x 1 x 16, Torx Hd.)	13
3	997001001	Floor Plate	1
4	994957001	Light Assembly	2
5	997081001	Anti-Slip Decal Package	1

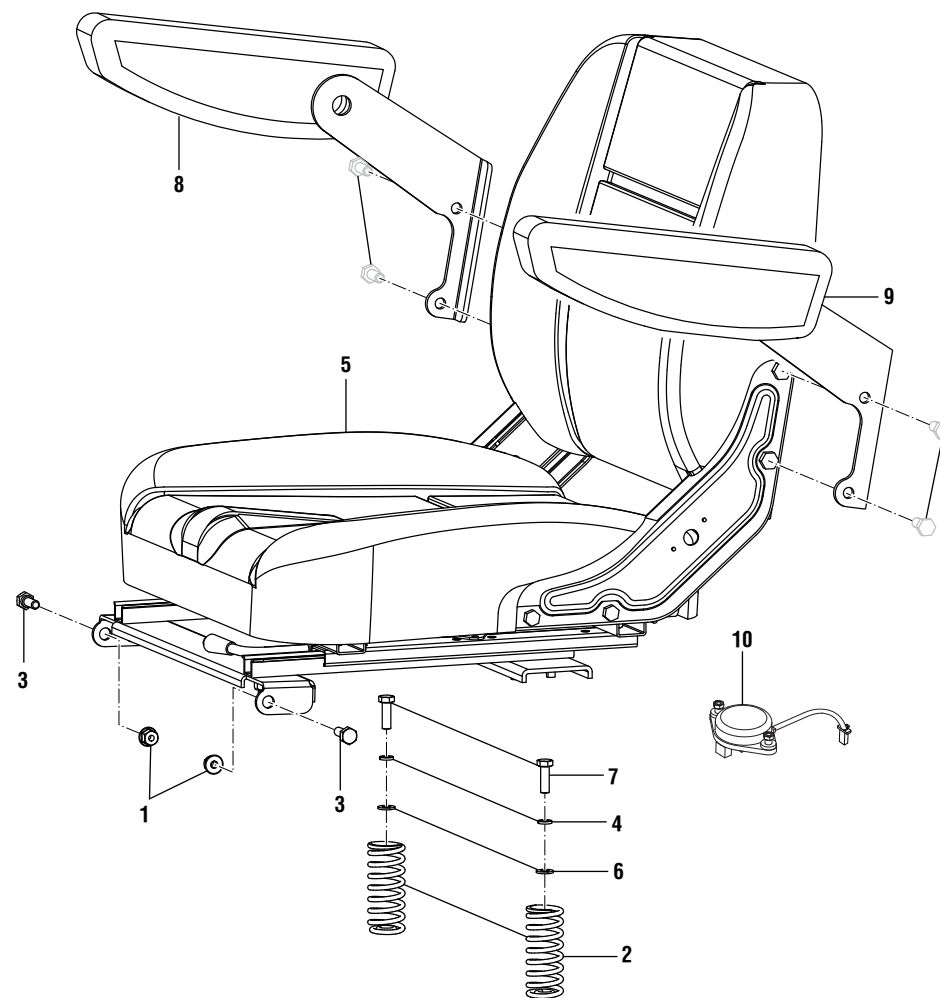
PARTS LIST — FIGURE J

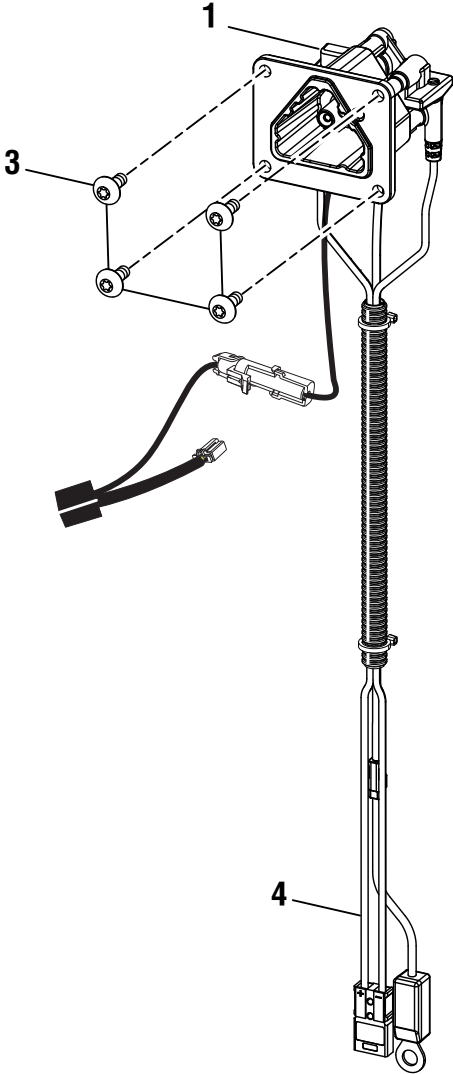
KEY NO.	PART NO.	DESCRIPTION	QTY.
1	994970001	PTO	1
2	994989001	Screw (M6 x 16 mm, Torx Hd.)	4
3	994966001	Light Switch Button	1
4	997080001	Drive Speed Button Switch	1
5	996288001	Warning Tag	1
6	997071001	Control Panel Face Plate	1
7	997078001	Fuel Gauge	1
8	996361001	Spring Washer 2	3
9	994963001	USB Module	1
10	996362001	Spring Washer 3	1
11	997082001	PTO Gasket	1
12	996049001	Key	3
13	997079001	Blade Speed Button Switch	1
14	994964001	Key Module	1



PARTS LIST — FIGURE K

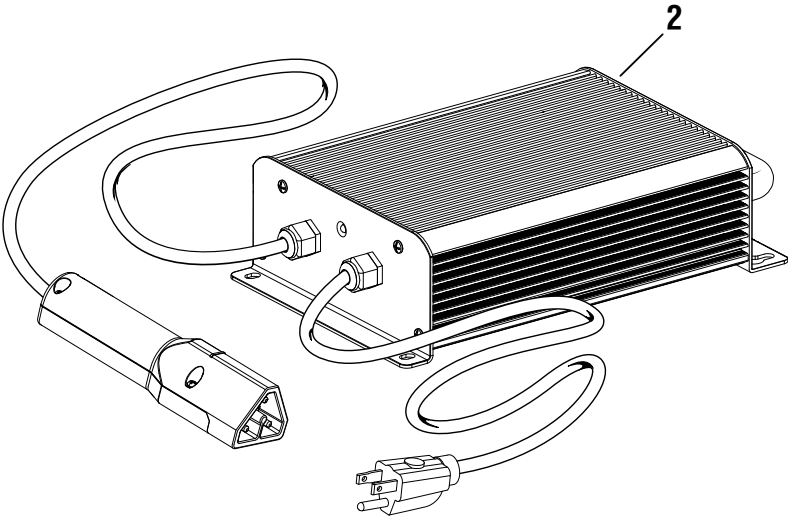
KEY NO.	PART NO.	DESCRIPTION	QTY.
1	994867001	Flange Nut (M8)	2
2	997073001	Seat Spring	2
3	994849001	Shoulder Bolt (M8 x 4 mm, Hex Hd.)	2
4	994770001	Lock Washer (M8)	2
5	997054001	Seat	1
6	994771001	Washer (M8)	2
7	996046001	Bolt (M8 x 25 mm)	2
8	997675001	Long Armrest, Right	1
9	997676001	Long Armrest, Left	1
10	996277001	Seat Switch	1

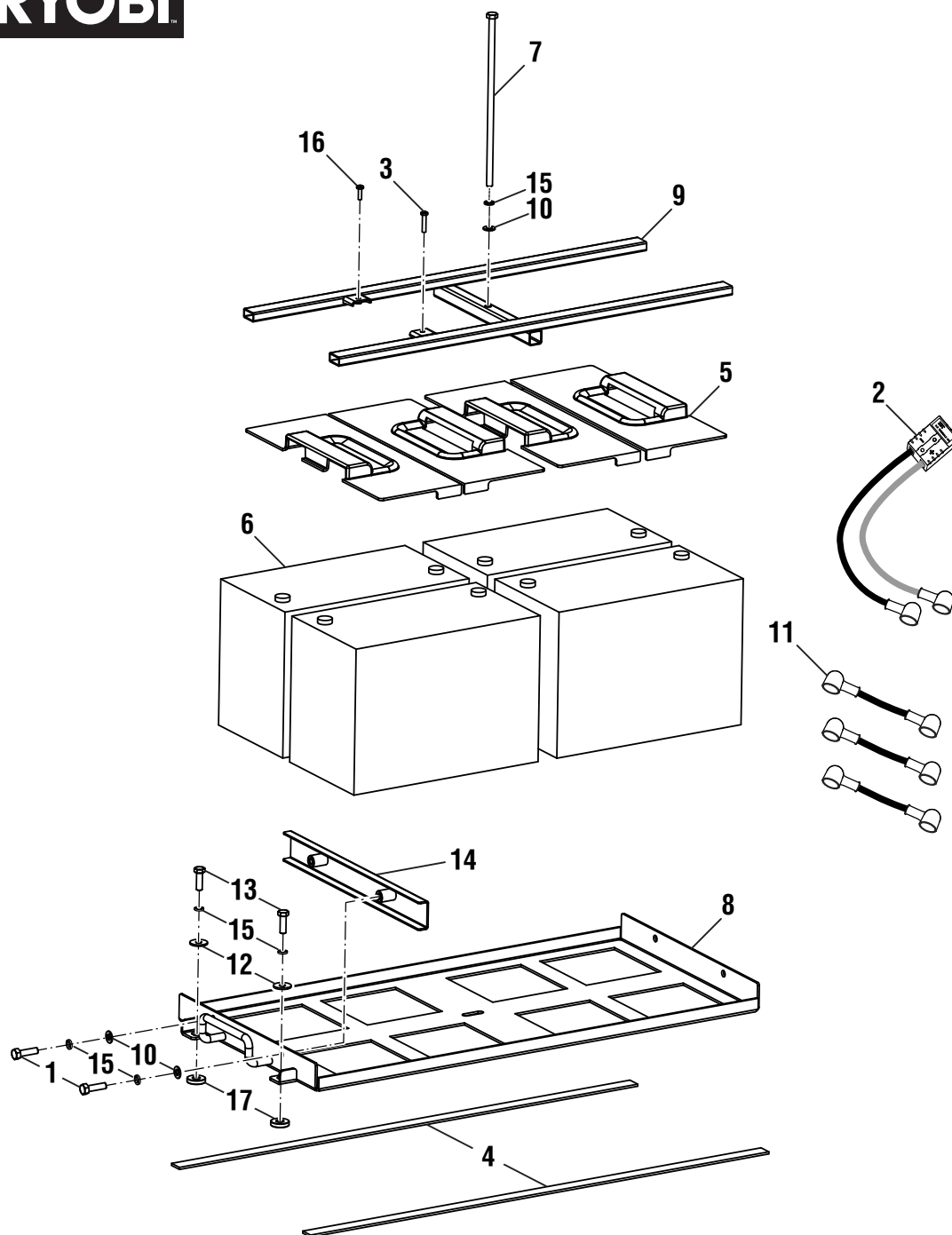




PARTS LIST — FIGURE L

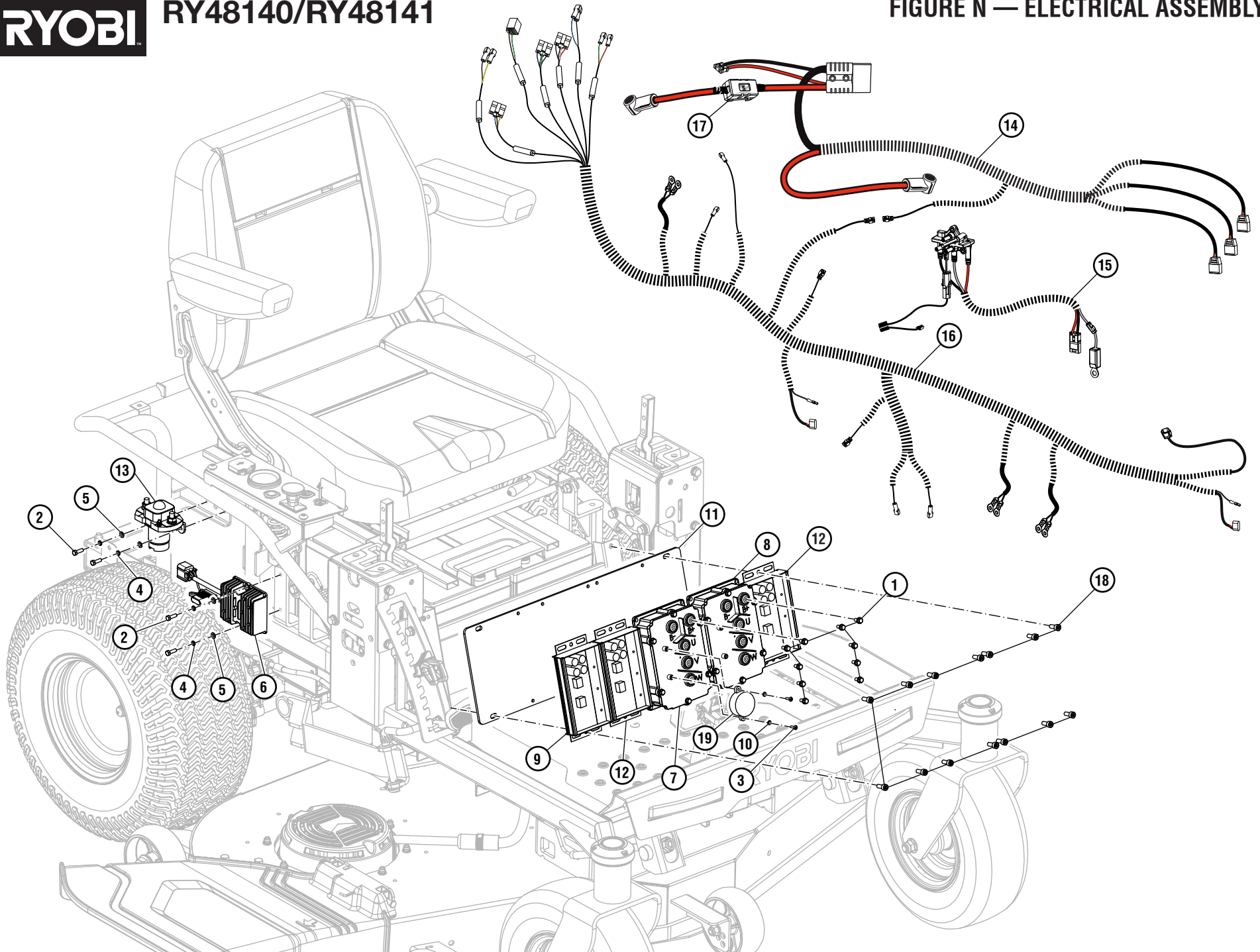
KEY NO.	PART NO.	DESCRIPTION	QTY.
1	996207001	Charger Receptacle, 3 Pin Assembly (Inc. Key No. 4)	1
2	140448001	American Standand Charger	1
3	994989001	Screw (M6 x 16, Torx Hd.)	4
4	997687001	Battery Temperature Sensor	1





PARTS LIST — FIGURE M

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	997142001	Bolt (M8 x 25 mm)	2
2	997102001	Battery Cable 2	1
3	997133001	Screw (M5 x 25 mm)	1
4	997049001	Battery Tray Slider	2
5	997092001	Battery Shield	4
6	997451001	LPC12-115 Battery	4
7	997096001	Bolt (M8 x 240 mm, Hex Hd.)	1
8	994923001	Battery Tray	1
9	997050001	Battery Tie Down	1
10	994771001	Washer (M8)	3
11	996272001	Battery Cable 1	3
12	994827001	Washer (ID8.4 x OD24 x 2t)	2
13	996046001	Bolt (M8 x 25 mm)	2
14	996351001	Battery Holder Bracket	1
15	994770001	Lock Washer (M8)	5
16	996213001	Bungie Anchor Screw	1
17	996038001	Metal Bushing	2



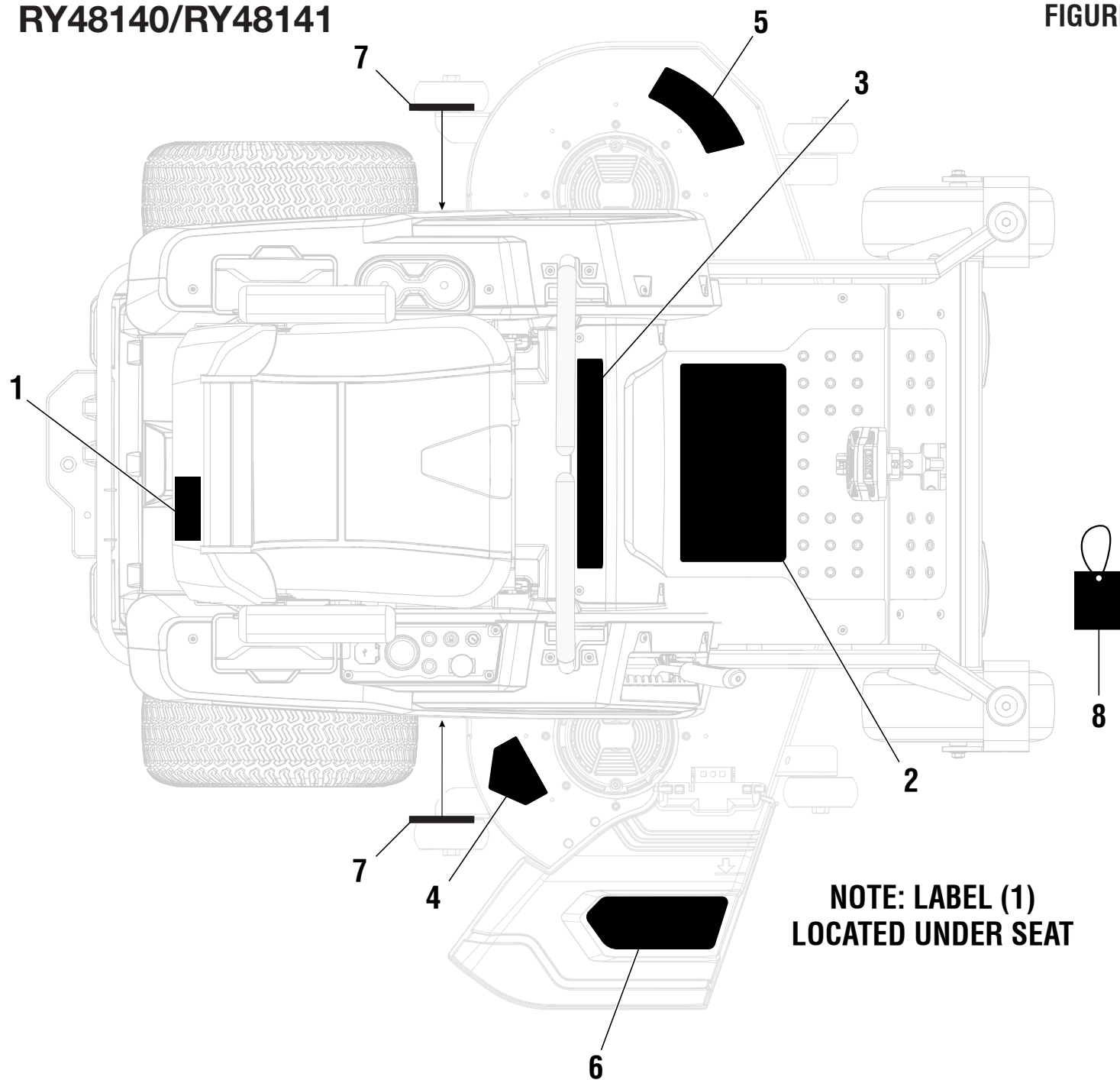


RY48140/R48141

PARTS LIST — FIGURE N

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	997137001	Flange Bolt (M5 x 12 mm, Hex Hd.)	10
2	996565001	Bolt (M5 x 16 mm, Hex Hd.)	4
3	997094001	Screw (M3 x 12 mm, Pan Hd.)	2
4	996286001	Lock Spring Washer (5 mm)	4
5	996295001	Washer (5.3 x 12 x 1t)	4
6	997077001	DC to DC Converter	1
7	997057001	Drive Motor Controller, Slave	1
8	997056001	Drive Motor Controller, Master	1
9	997468001	Deck Motor Controller, Master	1
10	996035001	Flat Washer (M3)	2

KEY NO.	PART NO.	DESCRIPTION	QTY.
11	997467001	Controller Mounting Plate	1
12	997469001	Deck Motor Controller, Slave	2
13	994993001	Main Relay	1
14	997686001	Battery Output Cable	1
15	997103001	Charging Controller	1
16	997682001	Main Wiring Harness	1
17	997147001	Fuse, 125 Amp	1
18	997098001	Screw (M6 x 16 mm, Soc. Hd.)	14
19	997149001	Beeper	1



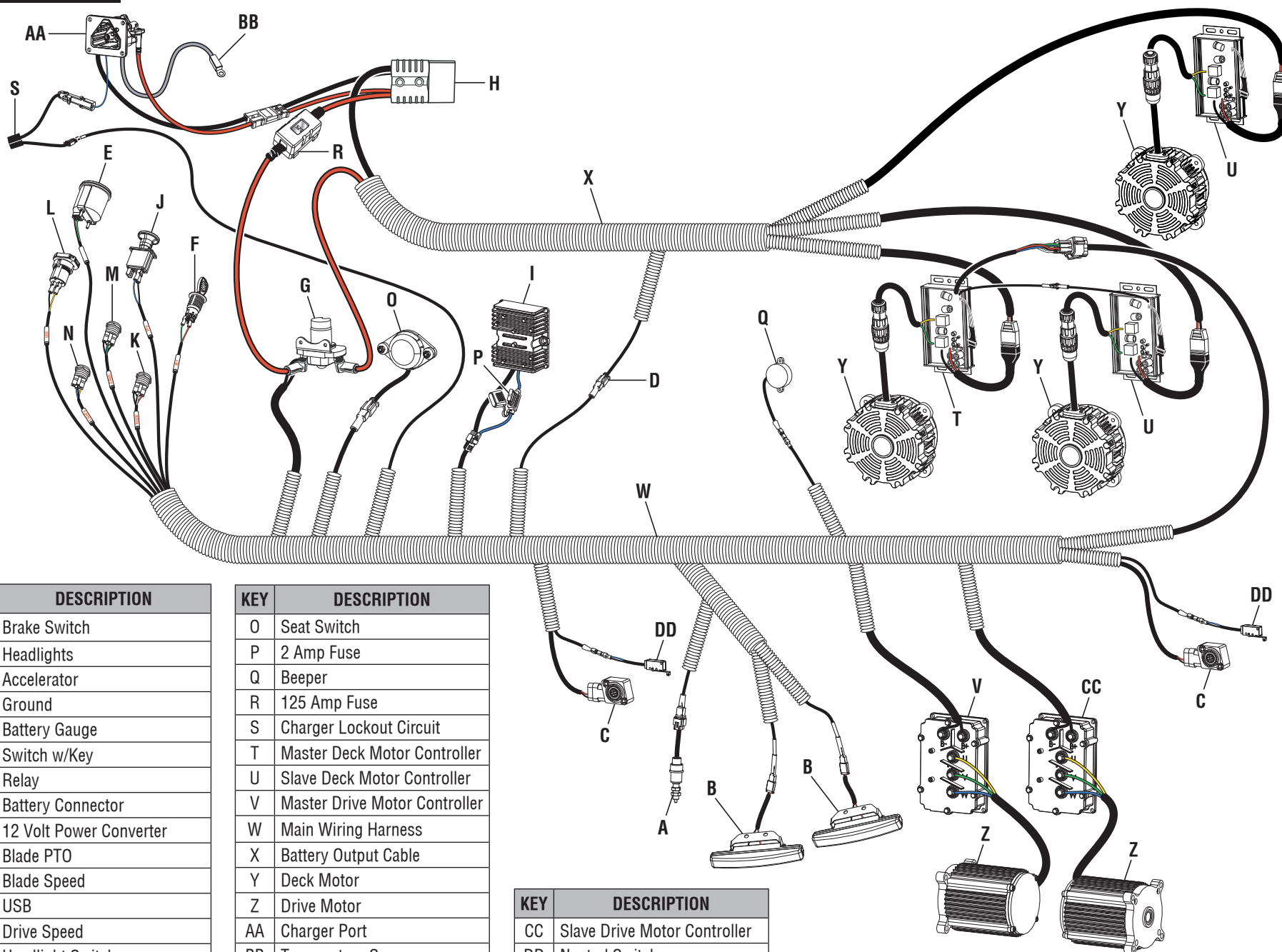


RY48140/RY48141

PARTS LIST — FIGURE O

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	941588859	Data Label (RY48140)	1
	941588865	Data Label (RY48141)	1
2	099749015064	Floor Danger Label, English	1
	099749015065	Floor Danger Label, Spanish	1
3	099749015068	Instruction Label, English	1
	099749015069	Instruction Label, Spanish	1
4	940851219	No Hands Cpsc Danger Label, English	2
	940851226	No Hands Cpsc Danger Label, Spanish	2

KEY NO.	PART NO.	DESCRIPTION	QTY.
5	940851207	Deck Danger Label, English	1
	940851217	Deck Danger Label, Spanish	1
6	940851208	Discharge Danger Label, English	1
	940851228	Discharge Danger Label, Spanish	1
7	940779312	Pinch Point Icon Label	2
8	941511019	Prop 65 Canada Label	1



KEY	DESCRIPTION
A	Brake Switch
B	Headlights
C	Accelerator
D	Ground
E	Battery Gauge
F	Switch w/Key
G	Relay
H	Battery Connector
I	12 Volt Power Converter
J	Blade PTO
K	Blade Speed
L	USB
M	Drive Speed
N	Headlight Switch

KEY	DESCRIPTION
O	Seat Switch
P	2 Amp Fuse
Q	Beeper
R	125 Amp Fuse
S	Charger Lockout Circuit
T	Master Deck Motor Controller
U	Slave Deck Motor Controller
V	Master Drive Motor Controller
W	Main Wiring Harness
X	Battery Output Cable
Y	Deck Motor
Z	Drive Motor
AA	Charger Port
BB	Temperature Sensor

KEY	DESCRIPTION
CC	Slave Drive Motor Controller
DD	Neutral Switch