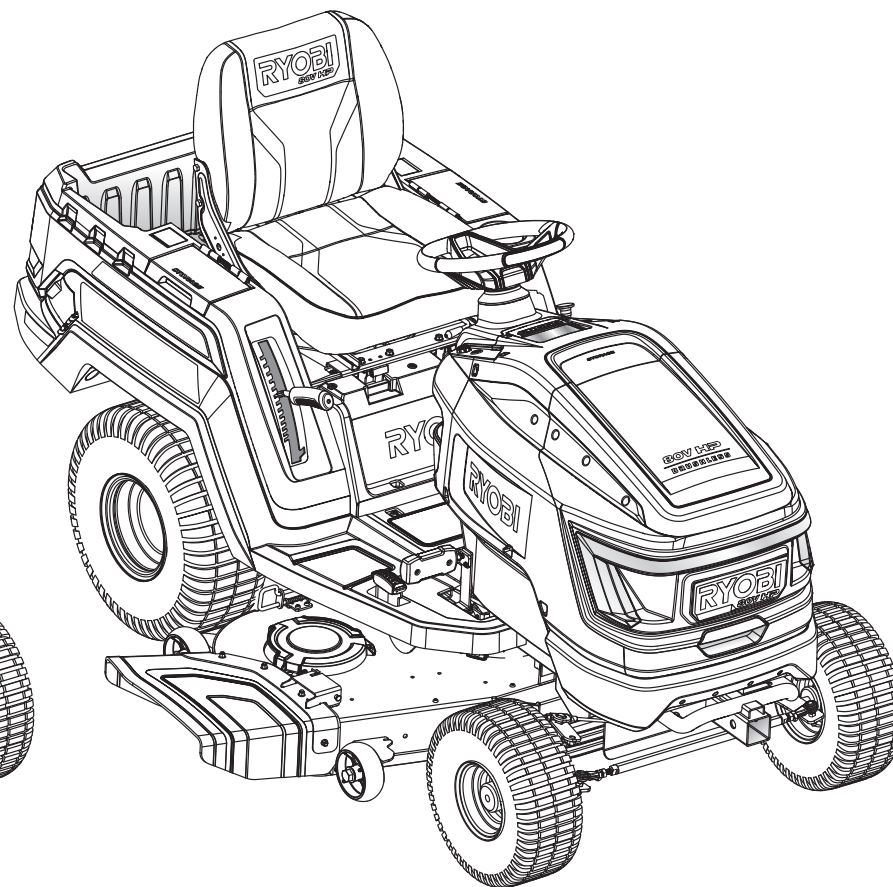
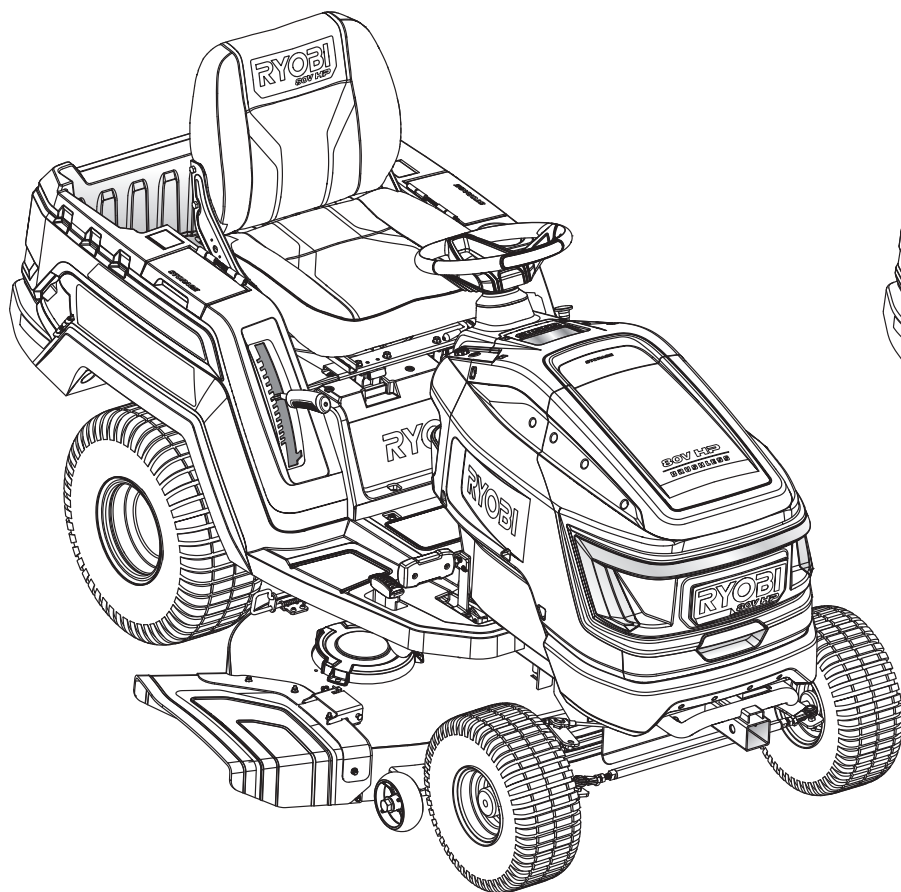


REPLACEMENT PARTS LIST

BRAND		DESCRIPTION
RYOBI		42 in. and 46 in. Riding Lawn Mower
MODEL NO.	MFG. NO.	
RYRM8006 RYRM8007	107846001 107848001	



TECHTRONIC INDUSTRIES POWER EQUIPMENT

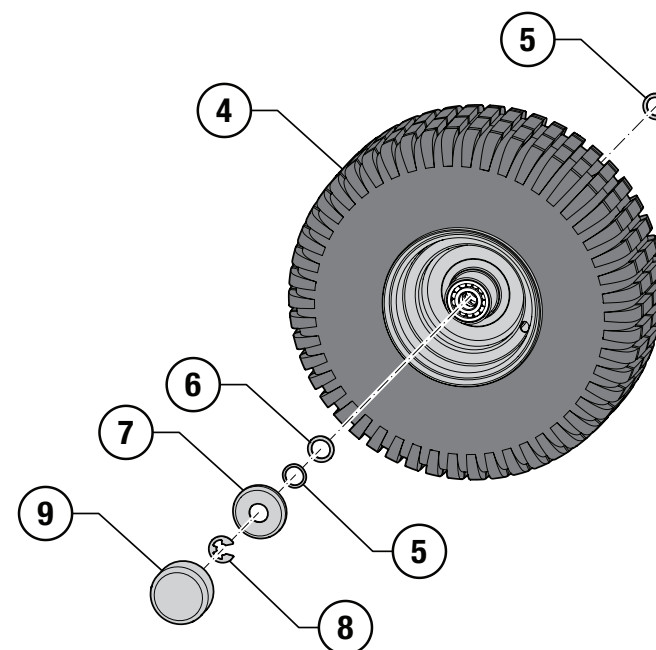
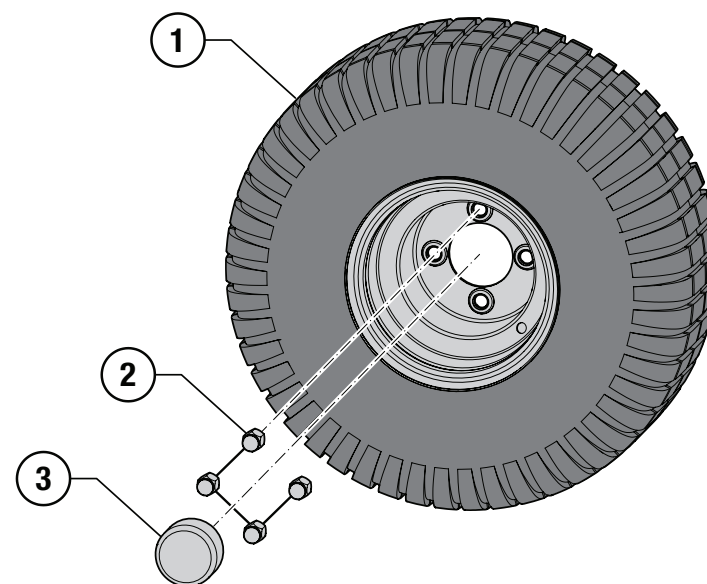
P.O. Box 1288, Anderson, SC 29622 ■ 1-800-525-2579 ■ www.ryobitools.com

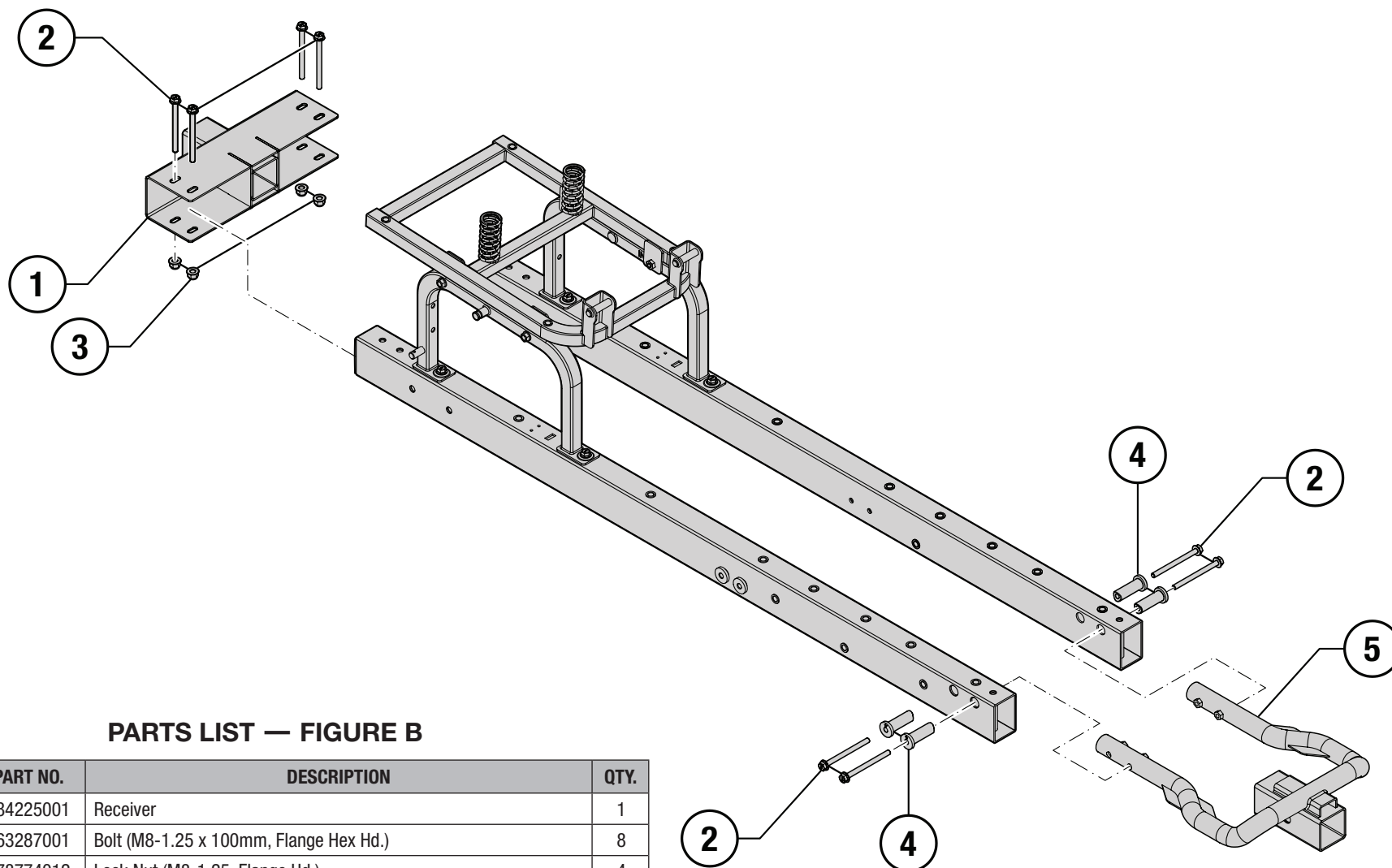
999000162
5-26-23 (REV:01)

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.

FIGURE A — WHEELS AND HUB COVERS

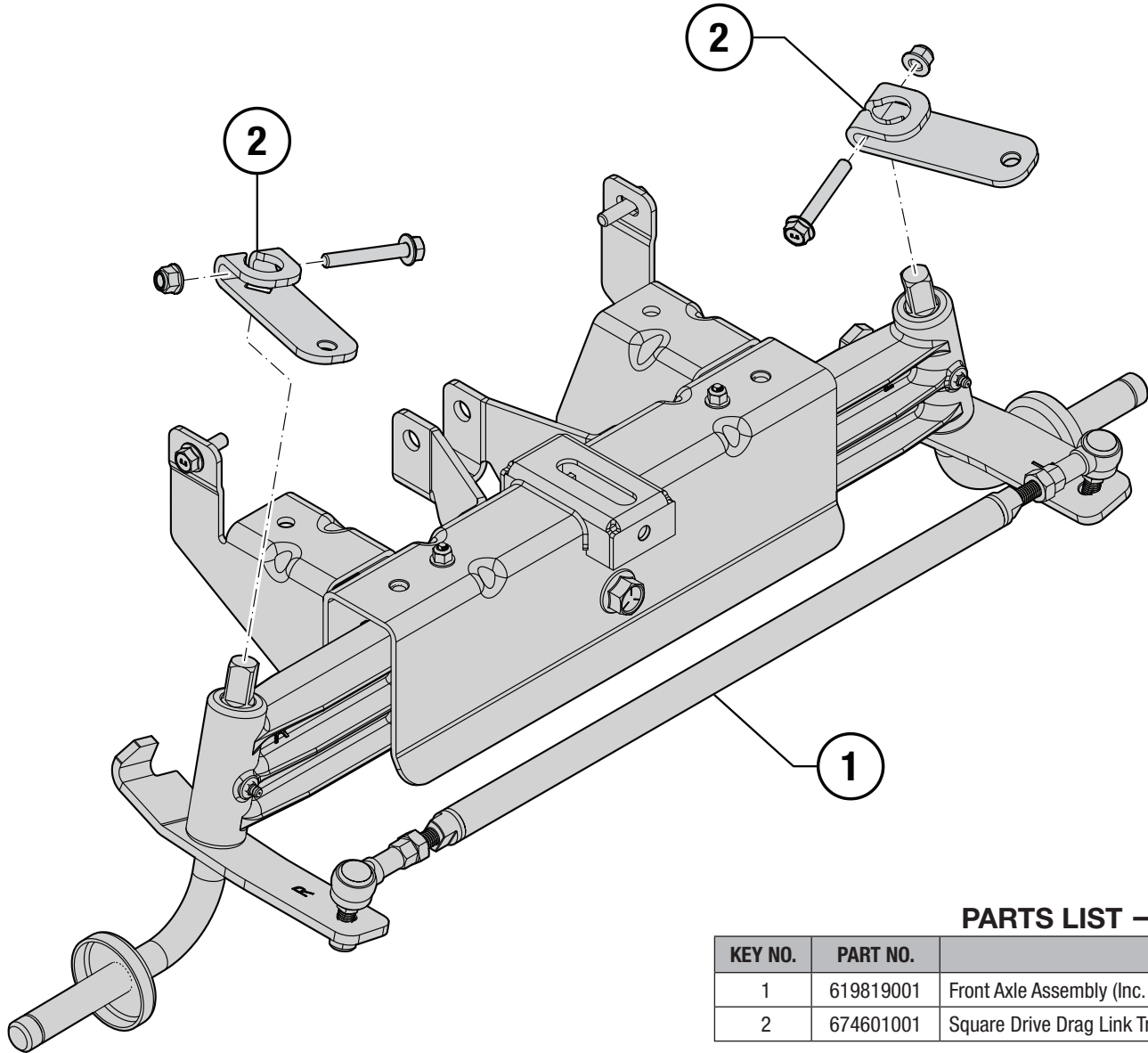
KEY NO.	PART NO.	DESCRIPTION	QTY.
1	319713001	Rear Wheel Assembly	2
2	674746001	Tapered Lug Nut (M14 x 1.5 in.)	8
3	567299001	Rear Dust Hub Cover	2
4	319724001	Front Wheel Assembly	2
5	657684001	Washer (ID20.5 x OD28 x 2t)	4
6	672665001	Wavy Washer	2
7	674603001	Front Wheel Bearing Cover	2
8	635474001	Retaining Ring	2
9	567300001	Front Wheel Dust Cover	2
	Not Shown:		
	120900312	Operator's Kit (42in. Tractor)	
	120900313	Operator's Kit (46in. Tractor)	





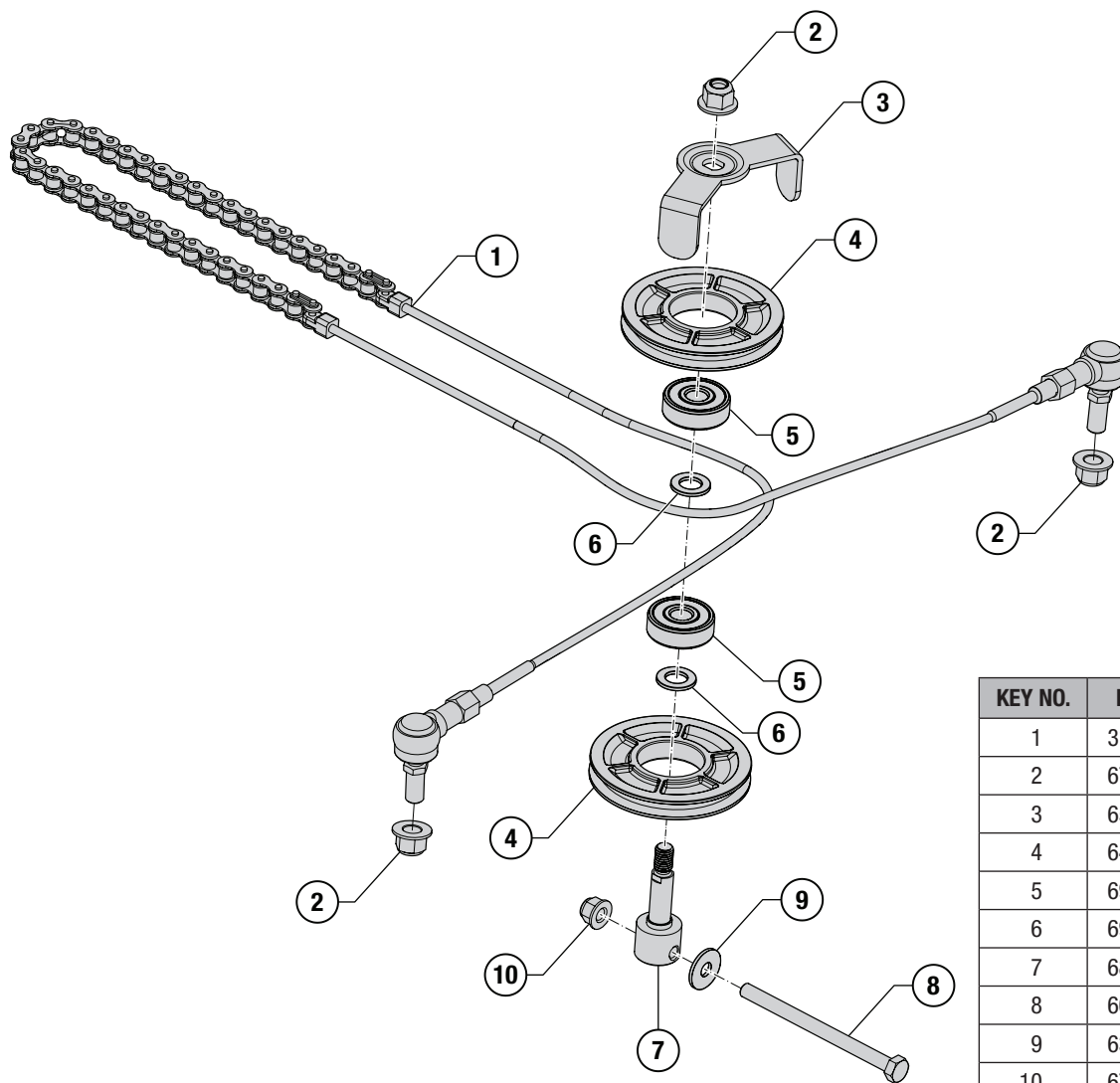
PARTS LIST — FIGURE B

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	684225001	Receiver	1
2	663287001	Bolt (M8-1.25 x 100mm, Flange Hex Hd.)	8
3	678774012	Lock Nut (M8-1.25, Flange Hd.)	4
4	684801001	Front Bumper Curved Bushing	4
5	684248001	Front Bull Bar	1



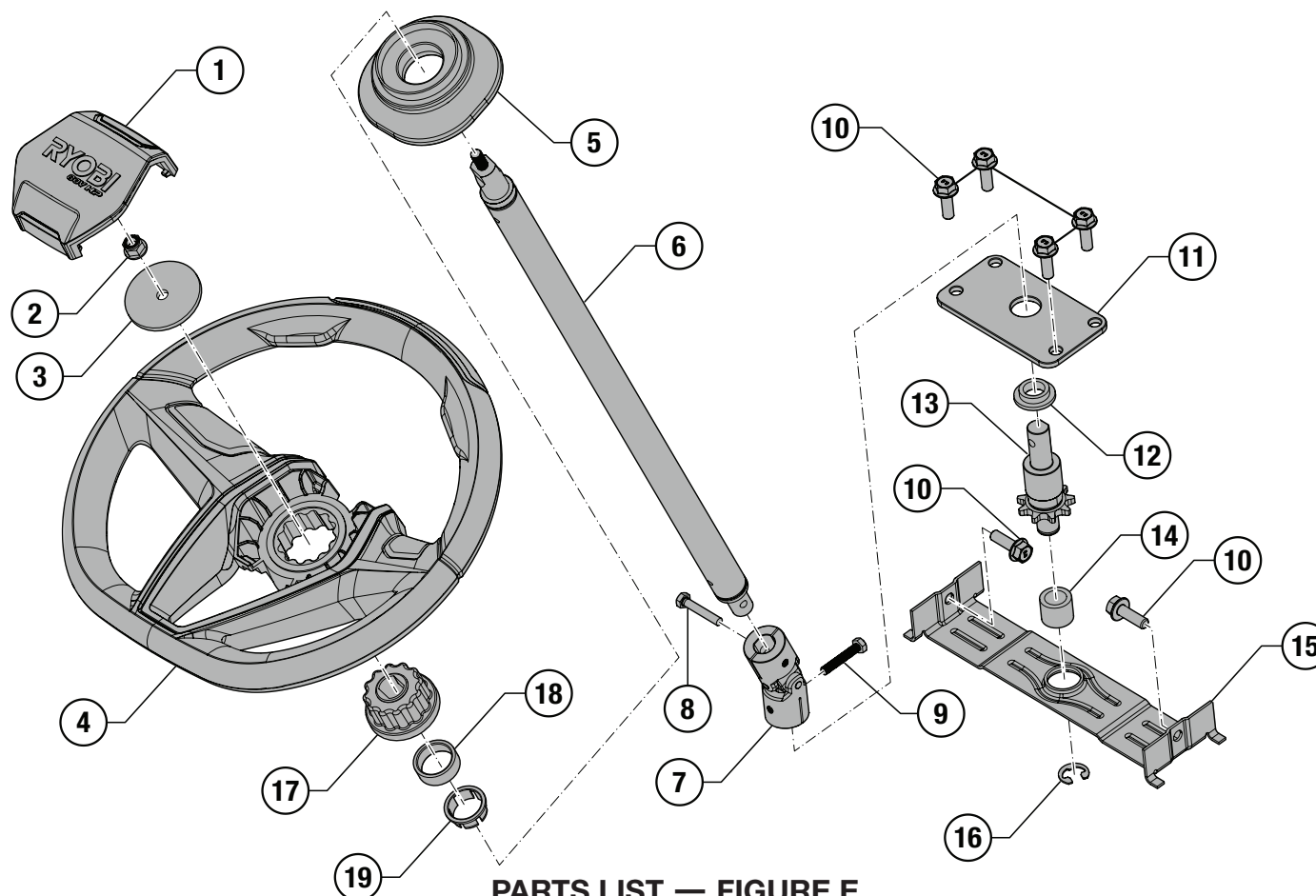
PARTS LIST — FIGURE C

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	619819001	Front Axle Assembly (Inc. Key No. 2)	1
2	674601001	Square Drive Drag Link Tractor Suspension	2



PARTS LIST — FIGURE D

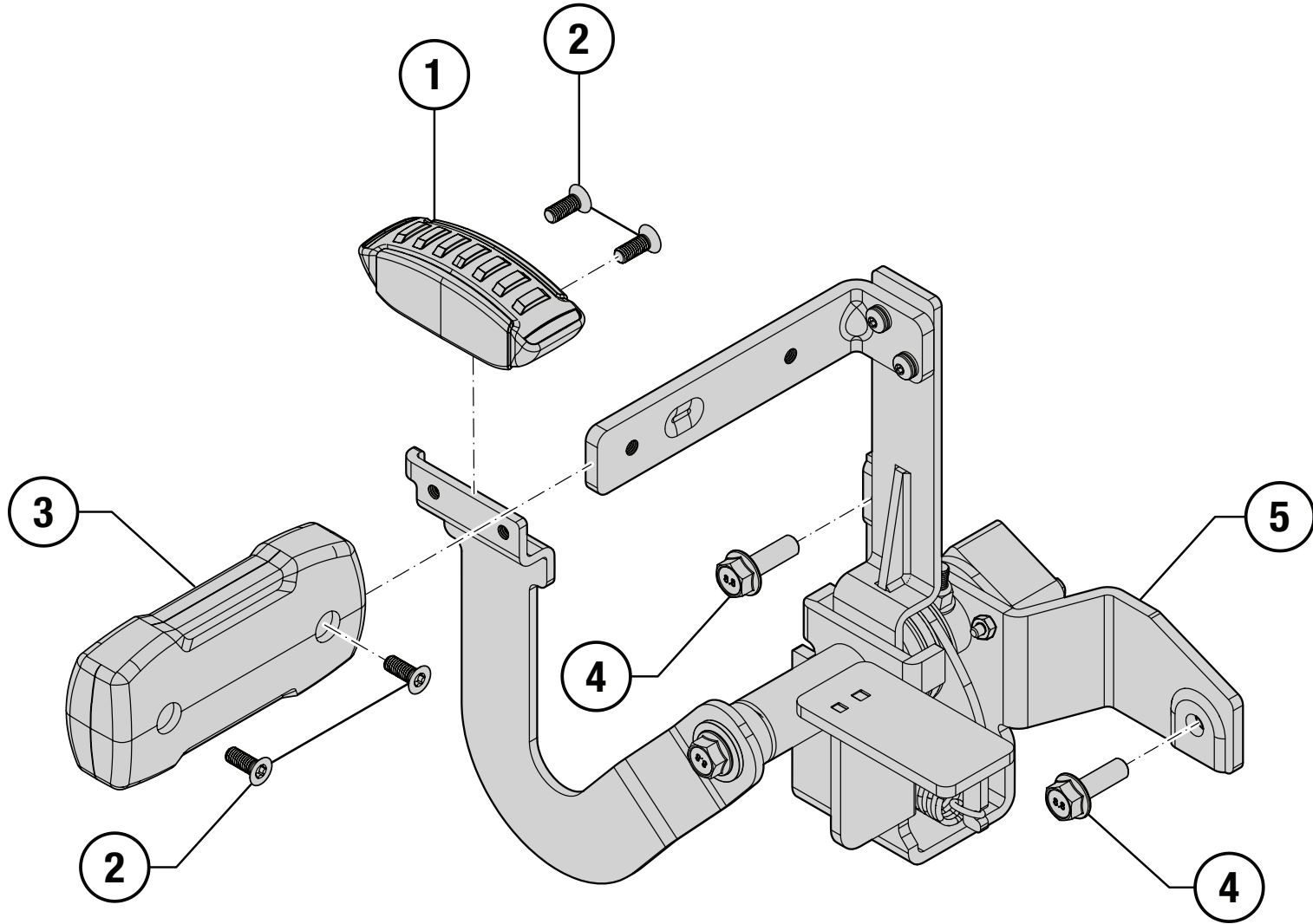
KEY NO.	PART NO.	DESCRIPTION	QTY.
1	319819022	Steering Cable Assembly	1
2	674738001	Flange Lock Nut (M10-1.5)	3
3	657716001	Front Axle Cable Keeper	1
4	647079001	Steering Sleeve	2
5	692041004	Ball Bearing (12x37x12)	2
6	690523003	Washer (ID12.5 x OD22 x 2t)	2
7	684254001	Bolt Slider	1
8	663287004	Steering Sheave Slider Lead Screw	1
9	632422001	Washer (ID24 x ID8.4 x 2t)	1
10	678774012	Flange Lock Nut (M8 x 1.25)	1



PARTS LIST — FIGURE E

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	547380001	Steering Wheel Cover	1
2	678774012	Flange Lock Nut (M8-1.25)	1
3	674688001	Washer (OD 57 x ID8.5 x 4t)	1
4	547379001	Steering Wheel	1
5	551137001	Steering Wheel Cover	1
6	623215001	Steering Shaft	1
7	319715001	U-Joint	1
8	662718001	Bolt (M6 x 1in., Hex Hd. NO RECESS)	1
9	663199001	Bolt (M6 x 1in., Hex Hd.)	1
10	660203099	Bolt (M8-1.25 x 25mm, Flange Hex Hd.)	6

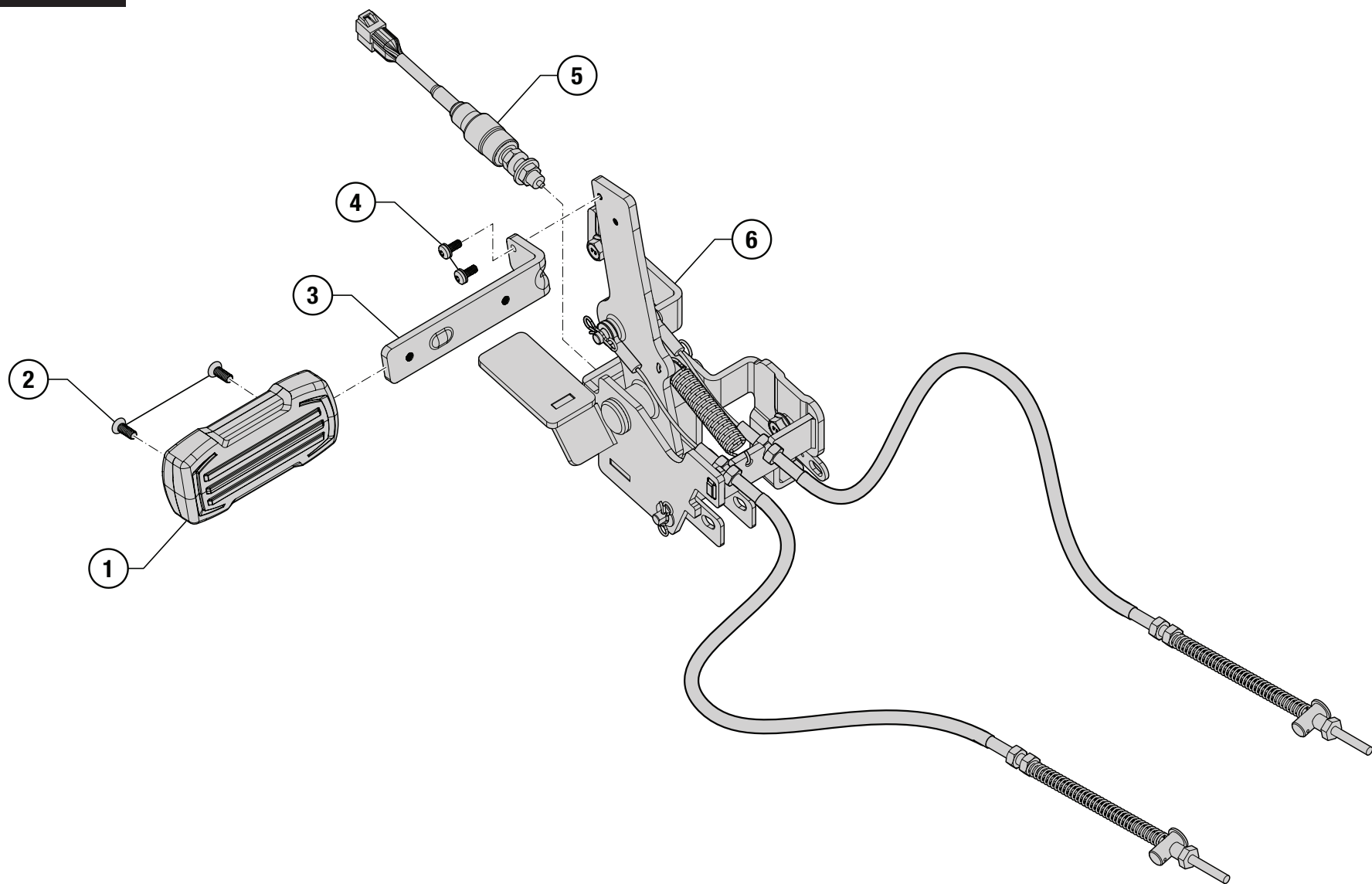
KEY NO.	PART NO.	DESCRIPTION	QTY.
11	684460001	Lower Steering Shaft Support	1
12	684270001	Lower Steering Sft Support Bearing	1
13	623216002	Lower Steering Shaft w/Sprocket	1
14	549677001	Bushing	1
15	657840001	Steering Brace	1
16	657841001	Retaining Clip	1
17	644946001	Steering Spline Collar	1
18	552395001	Upper Steering Spacer	1
19	552375001	Upper Steering Bushing	1



PARTS LIST — FIGURE F

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	567322001	Reverse Pedal	1
2	663210002	Screw (M6 x 16mm, T25 Torx Hd.)	4
3	567094001	Brake / Accel Pedal	1

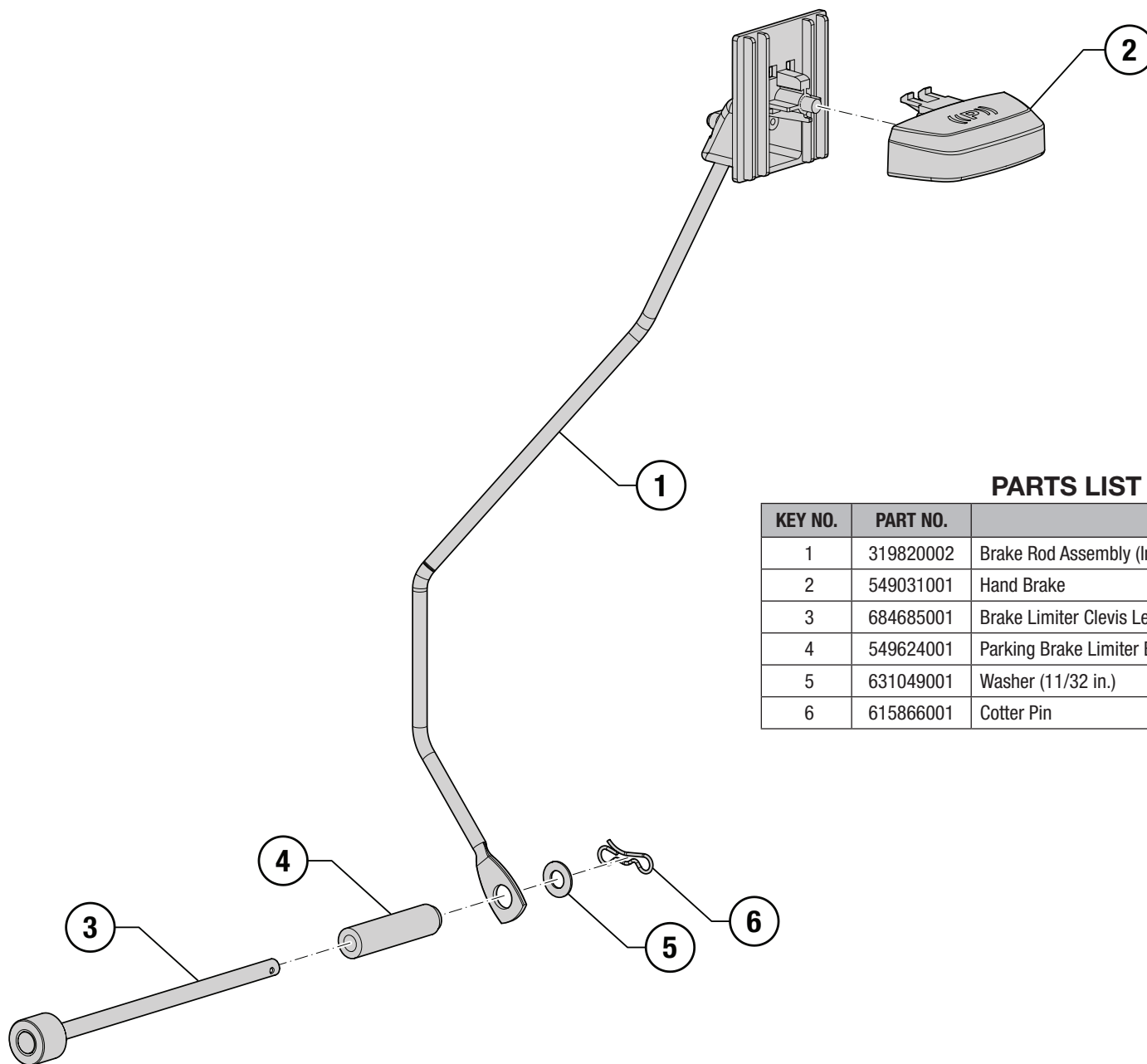
KEY NO.	PART NO.	DESCRIPTION	QTY.
4	660203099	Bolt (M8-1.25 x 25mm, Flange Hex Hd.)	2
5	319823001	Forward / Reverse Pedal Assembly (Inc. Key Nos. 1-4)	1



PARTS LIST — FIGURE G

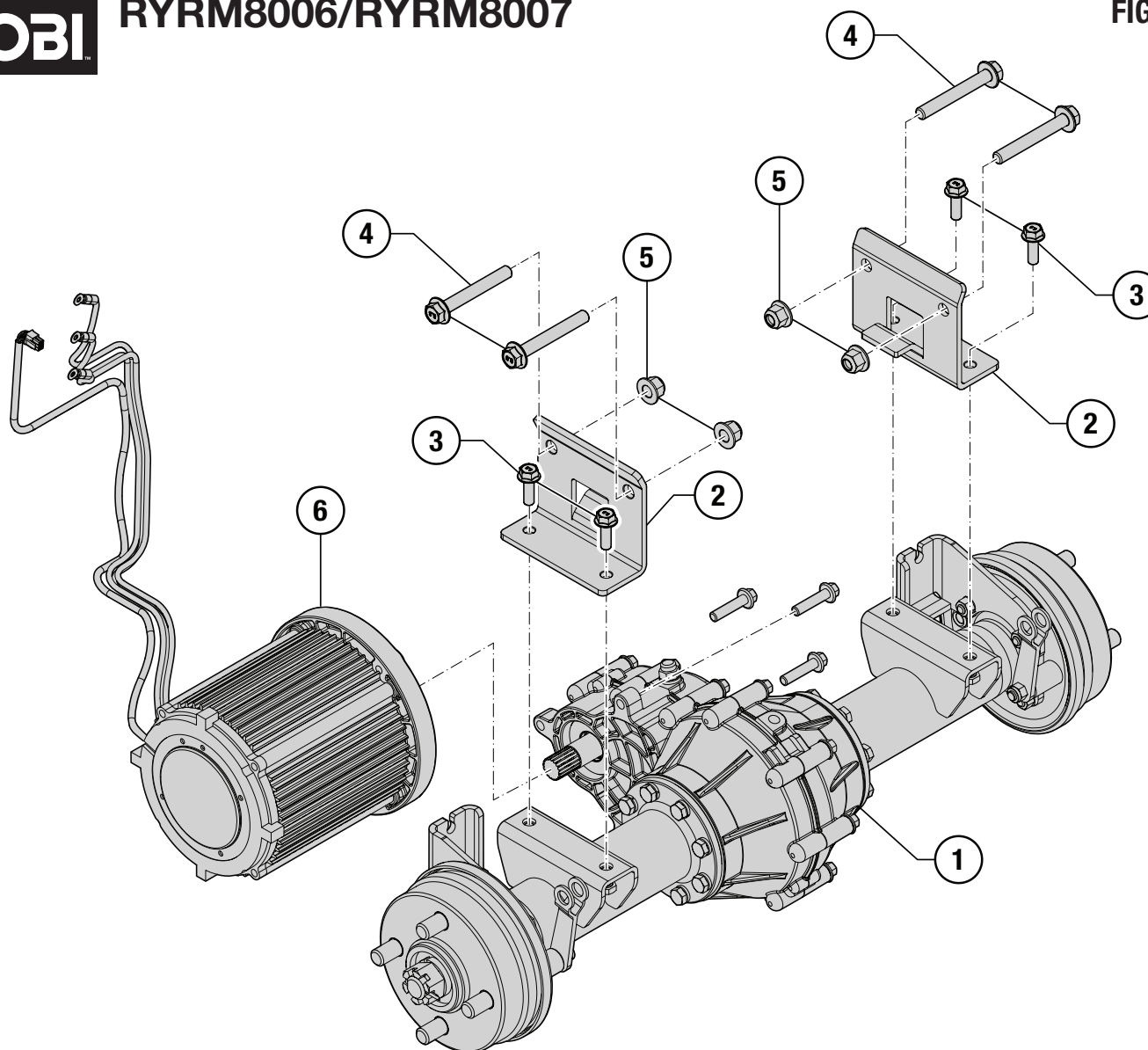
KEY NO.	PART NO.	DESCRIPTION	QTY.
1	567094001	Brake / Accel Pedal	1
2	663210002	Screw (M6 x 16mm, T25 Torx Hd.)	2
3	657721001	Pedal Center Support	1

KEY NO.	PART NO.	DESCRIPTION	QTY.
4	662770002	Screw (M5-0.8 x 12mm, Torx Hd.) w/Washer	2
5	760808001	E-Brake Switch	1
6	319826001	Brake Assembly (Inc. Key Nos. 1-5)	1



PARTS LIST — FIGURE H

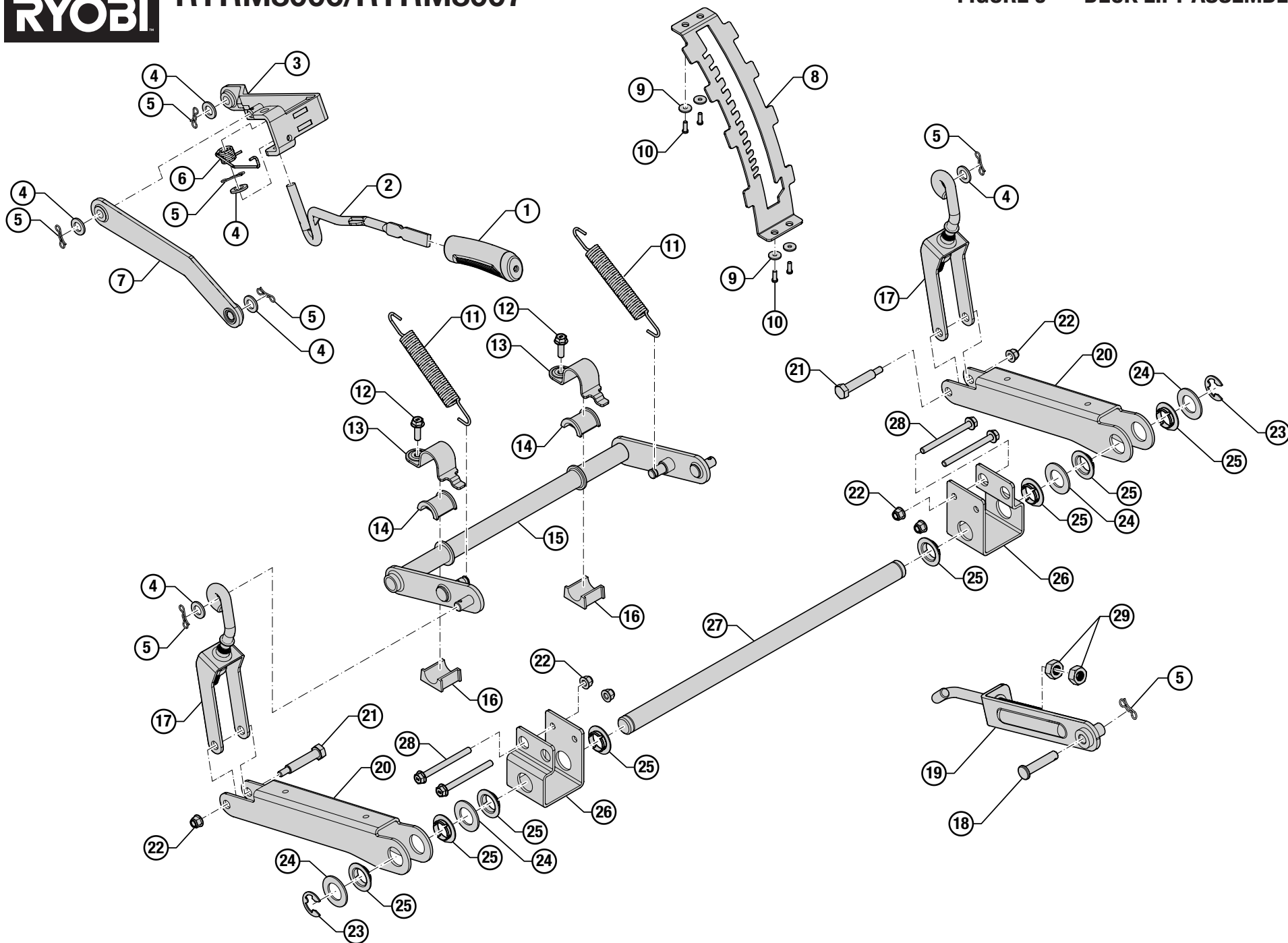
KEY NO.	PART NO.	DESCRIPTION	QTY.
1	319820002	Brake Rod Assembly (Inc. Key Nos. 2)	1
2	549031001	Hand Brake	1
3	684685001	Brake Limiter Clevis Lever	1
4	549624001	Parking Brake Limiter Bushing	1
5	631049001	Washer (11/32 in.)	1
6	615866001	Cotter Pin	1



PARTS LIST — FIGURE I

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	319959001	Rear Transaxle w/Motor (Inc. Key No. 6)	1
2	674587001	Axle Bracket	2
3	660203099	Bolt (M8-1.25 x 25mm, Flange Hex Hd.)	4

KEY NO.	PART NO.	DESCRIPTION	QTY.
4	663286001	Bolt (M10-1.5 x 75mm, Flange Hex Hd.)	4
5	674738001	Flange Lock Nut (M10-1.5)	4
6	742971005	Transaxle Motor	1



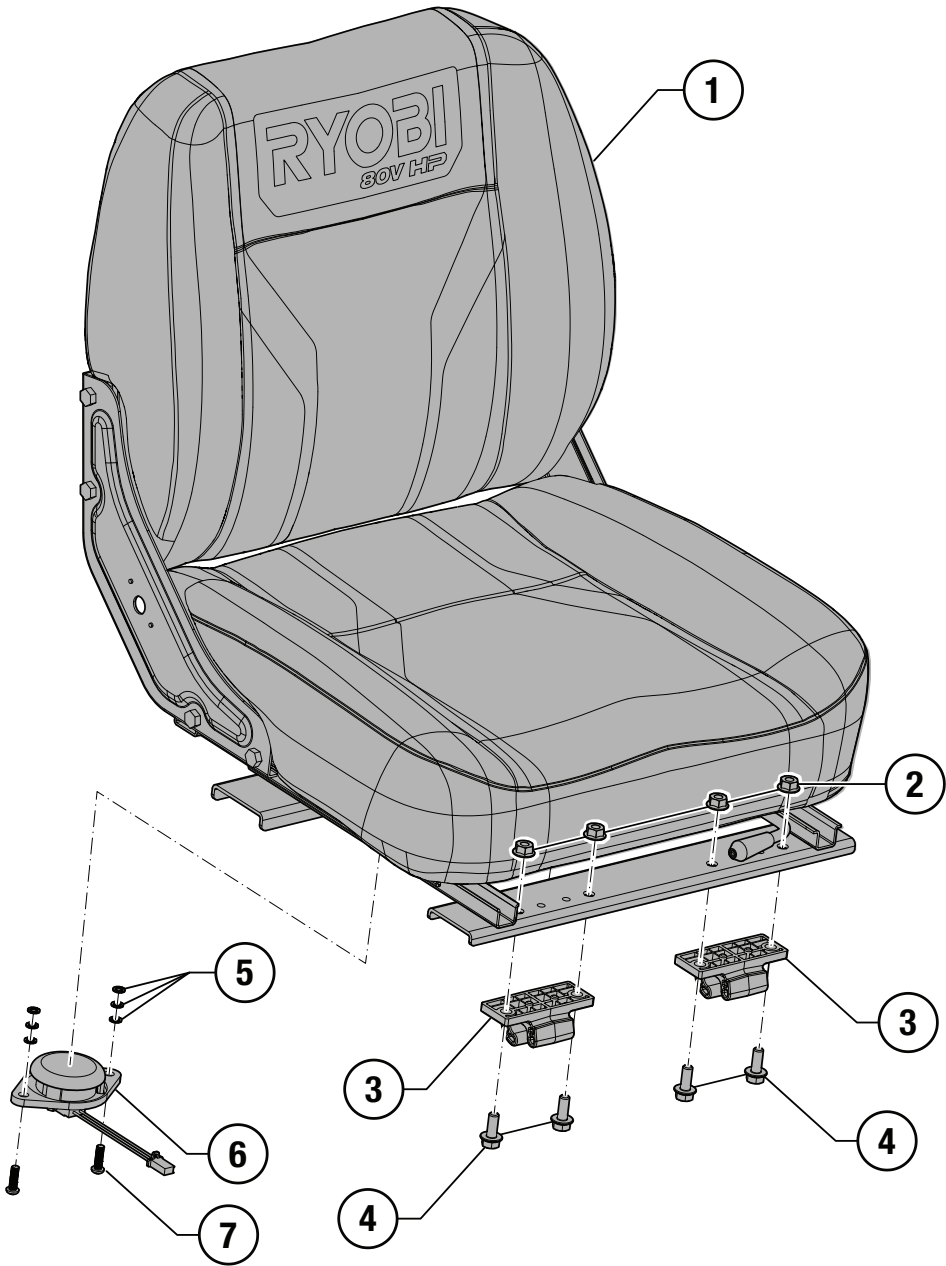


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PARTS LIST — FIGURE J

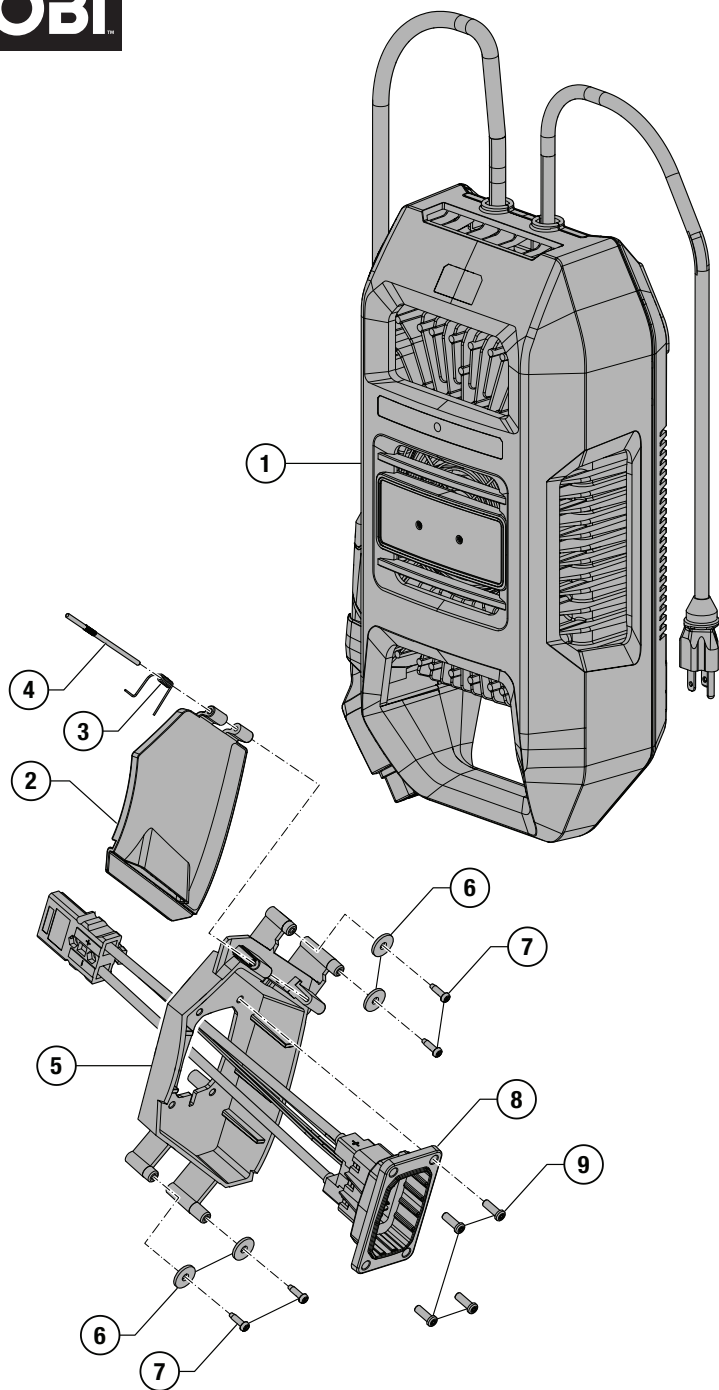
KEY NO.	PART NO.	DESCRIPTION	QTY.
1	549343001	Deck Lift Handle	1
2	684534001	Deck Linkage Trigger	1
3	657639001	Deck Linkage Plate 2	1
4	678889003	Axle Washer (ID24 x OD12.5 x 2t)	6
5	615866001	Cotter Pin	7
6	684535001	Torsion Spring	1
7	657641001	Deck Linkage Plate 1	1
8	657424001	Deck Height Adjust Plate	1
9	637088001	Washer (ID5.4 x OD17 x 2t)	4
10	660927002	Screw (M5 x 14.5mm, T20 Torx Hd.)	4
11	684536001	Linkage Tension Spring	2
12	660203099	Bolt (M8-1.25 x 25mm, Flange Hex Hd.)	2
13	684229001	Deck Linkage Clip	2
14	684230001	Top Linkage Bushing	2
15	674745001	Deck Lift Cross Axle	1

KEY NO.	PART NO.	DESCRIPTION	QTY.
16	684231001	Bottom Linkage Bushing	2
17	319831004	Rear Adjustment Rod Assembly	2
18	657450001	Pivot Pin	1
19	319831003	Front Deck Linkage Assembly (Inc. Key No. 29)	1
20	674583001	Rear Arm Deck Linkage	2
21	663280001	Shoulder Bolt (12mm x 54.25mm)	2
22	678774012	Flange Lock Nut (M8-1.25)	6
23	657865001	E-Clip	2
24	634812001	Washer (ID25 x OD41 x 4t)	4
25	548815001	Rear Linkage Bushing	8
26	657715001	Pivot Bracket	2
27	684233001	Rear Deck Linkage Axle	1
28	663287002	Bolt (M8-1.25 x 90mm, Flange Hex Hd.)	4
29	674726004	Distorted Thread Lock Nut (M14)	2



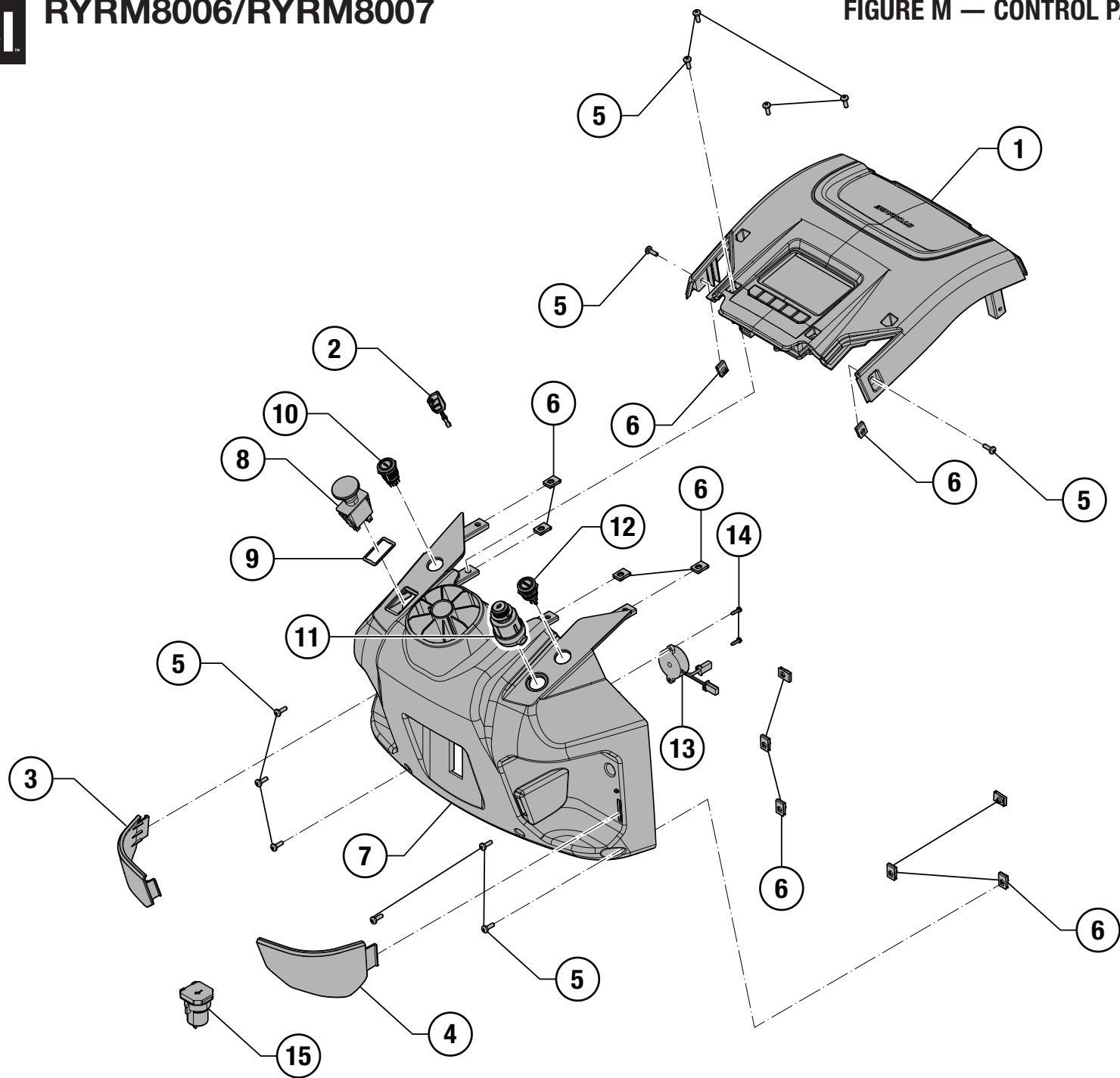
PARTS LIST — FIGURE K

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	319822002	Seat Assembly (Inc. Key Nos 2-4)	1
2	660757002	Flange Nut (M8)	4
3	548005001	Seat Pivot Bushing	2
4	663287006	Bolt (M8-1.25 x 20mm, Flange Hex Hd.)	4
5	691150001	Washer (ID6.2 x OD9.8 x 1t)	6
6	270209001	Seat Switch	1
7	660697002	Bolt (M6 x 20mm)	2



PARTS LIST — FIGURE L

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	140494006	Charger, 120V-AC (1440W, 90V-DC)	1
2	547417001	Charge Port Door	1
3	684380001	Hinge Pin Spring	1
4	674699001	Hinge Pin	1
5	547418001	Charge Port Base	1
6	637088001	Washer (ID5.4 x OD17 x 2t)	4
7	661817001	Screw (M4 x 14mm)	4
8	260226001	Charge Receptacle (80V)	1
9	660927002	Screw (M5 x 14.5mm, T20 Torx Hd.)	4



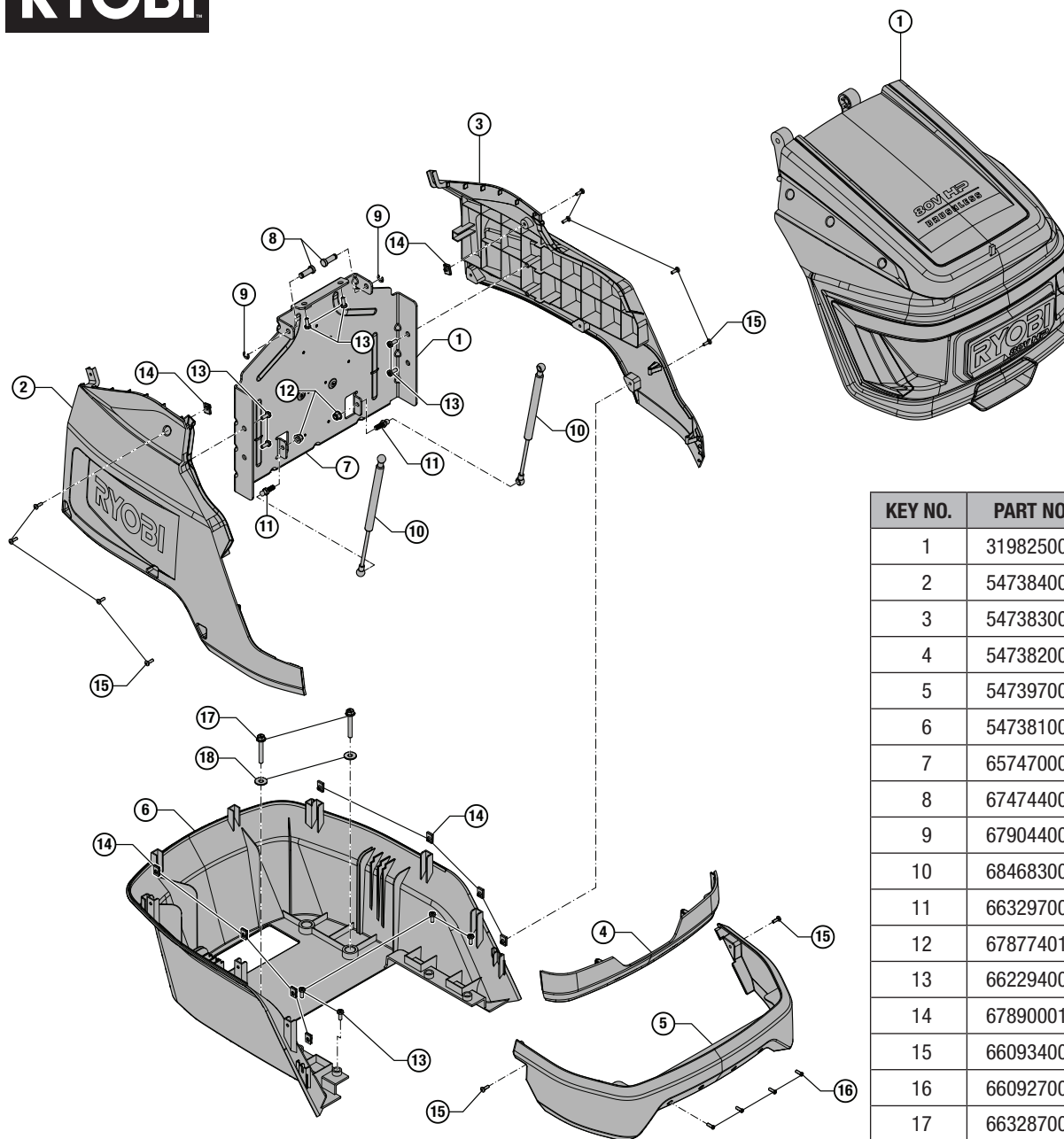


RYRM8006/RYRM8007

PARTS LIST — FIGURE M

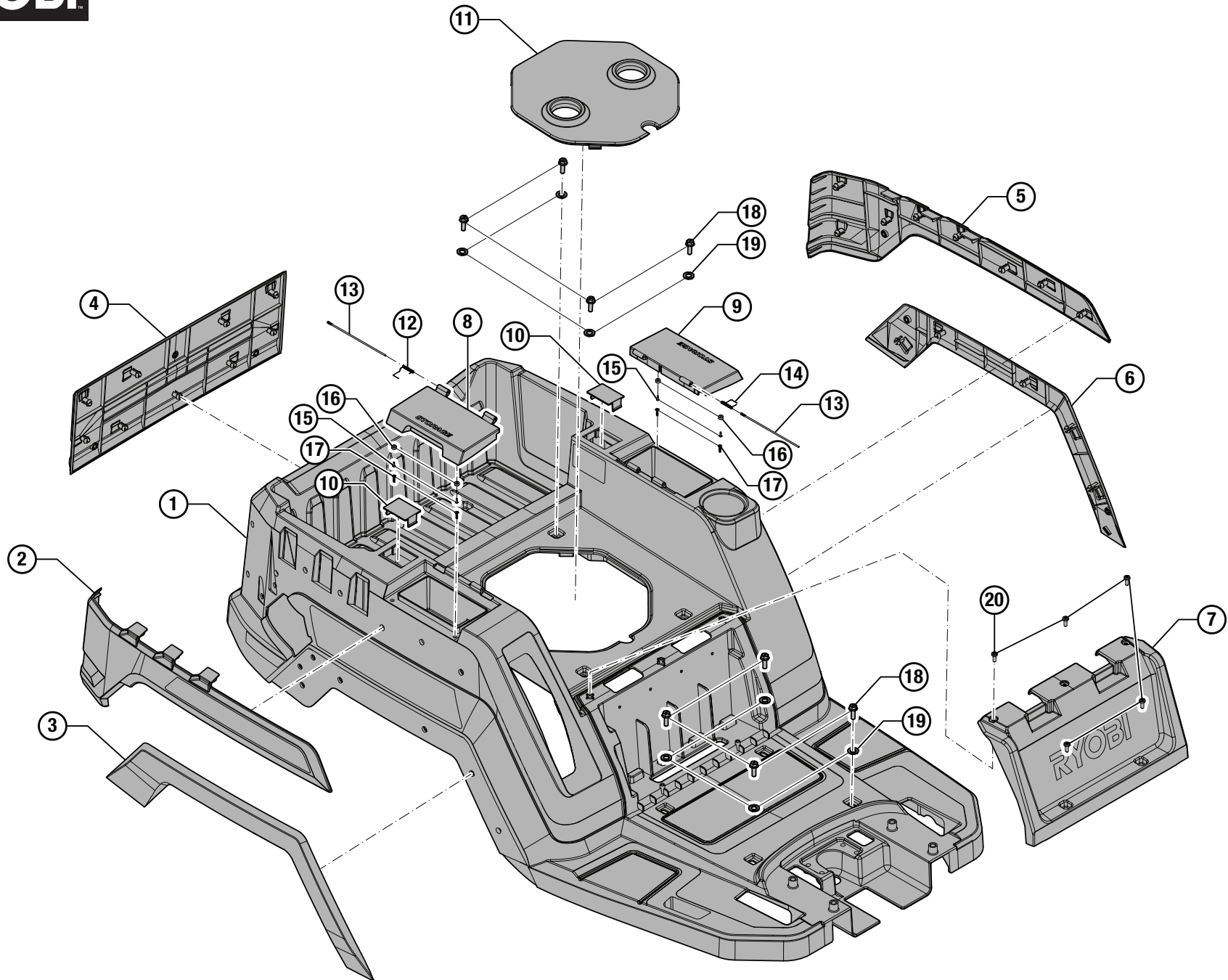
KEY NO.	PART NO.	DESCRIPTION	QTY.
1	319821001	Hood Support LCD Assembly	1
2	760803001	Key	1
3	547407001	Storage Bracket Left	1
4	547406001	Storage Bracket Right	1
5	660934003	Screw (M5 x 18mm)	12
6	678900014	U-Clip (M5)	12
7	547394001	Steering Column Shroud	1
8	760825001	PTO Switch	1

KEY NO.	PART NO.	DESCRIPTION	QTY.
9	567562001	Rubber Gasket	1
10	760812001	RMO Button	1
11	760826001	Key Switch (3-Position)	1
12	760815001	Cruise Control Button	1
13	870298001	Beeper	1
14	661817001	Screw (M4 x 14mm)	2
15	292568001	USB Module	1



PARTS LIST — FIGURE N

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	319825001	Front Hood Assembly	1
2	547384001	Right Hood Support	1
3	547383001	Left Hood Support	1
4	547382001	Front Hood Support	1
5	547397001	Hood Bumper Cover	1
6	547381001	Steering Column Shroud Base	1
7	657470001	Canopy Support	1
8	674744001	Hood Pin	2
9	679044001	E-Ring	2
10	684683001	Gas Assist Springs	2
11	663297002	Ball Stud (M8-1.25 x 16mm)	2
12	678774012	Flange Lock Nut (M8-1.25)	2
13	662294001	Screw (1/4in. x 15mm)	10
14	678900014	U-Clip (M5)	10
15	660934003	Screw (M5 x 18mm)	10
16	660927002	Screw (M5 x 14.5mm, T20 Torx Hd.)	4
17	663287005	Bolt (M8-1.25 x 55mm, Flange Hex Hd.)	2
18	632422001	Washer (ID8.4 x OD24 x 2t)	2



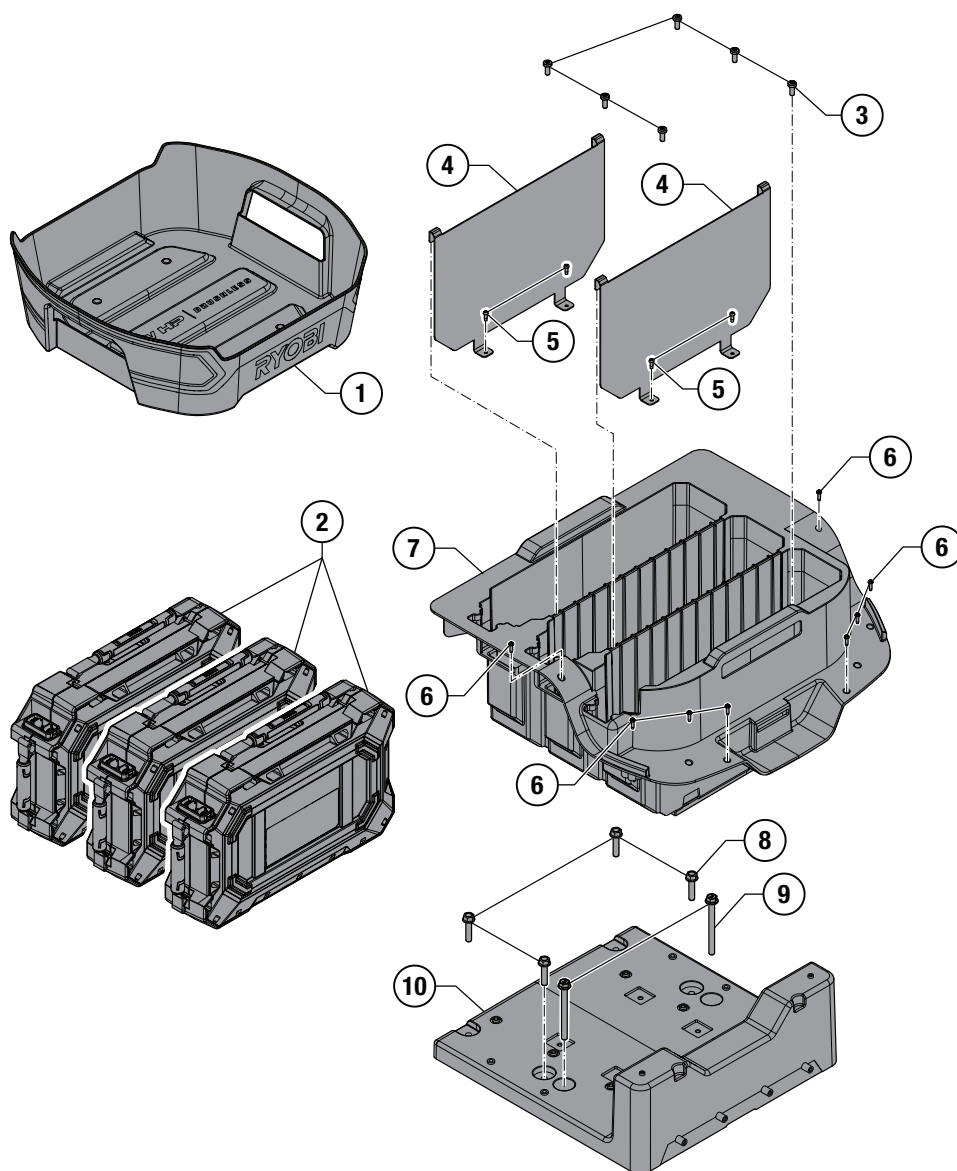


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PARTS LIST — FIGURE O

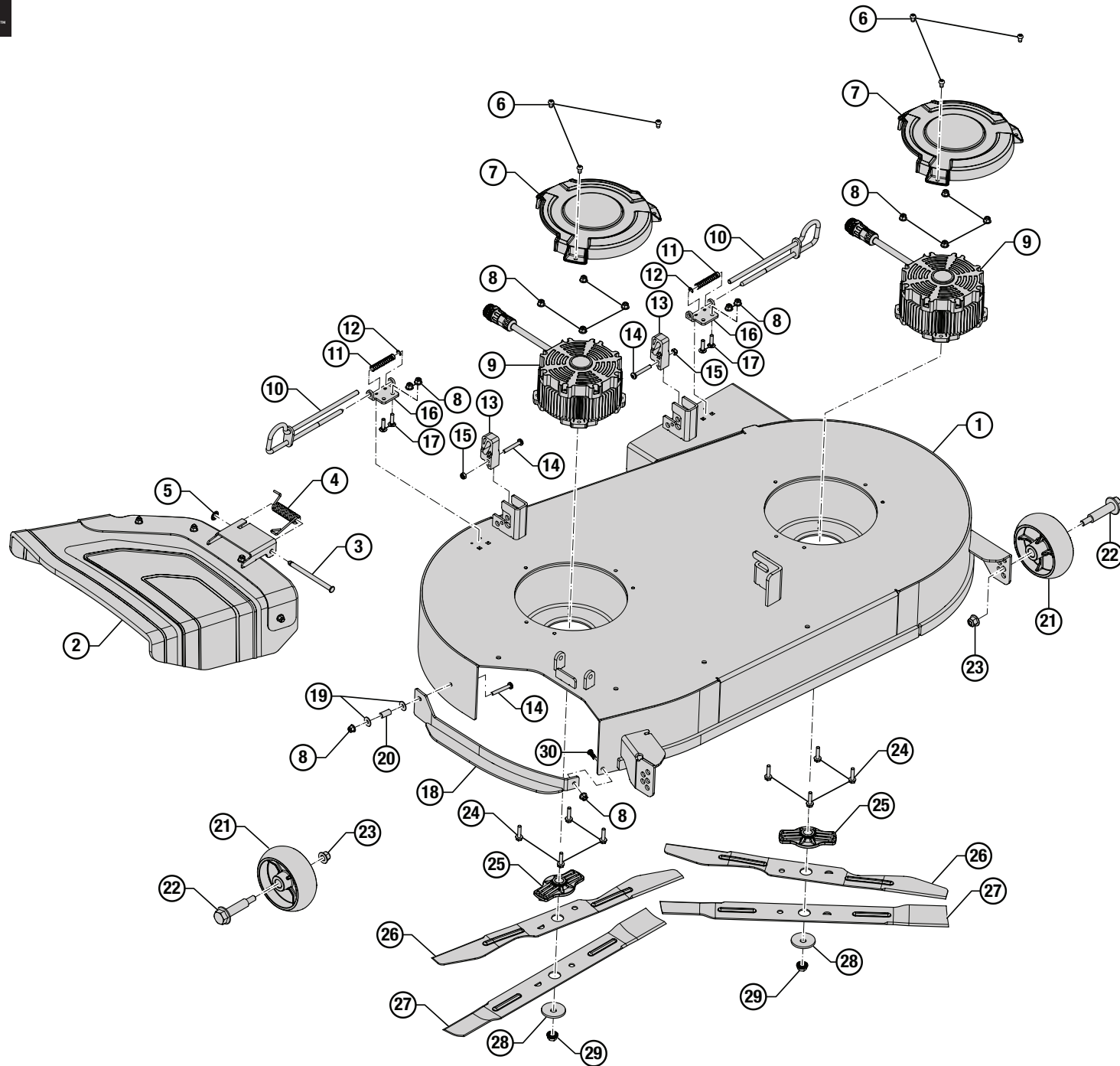
KEY NO.	PART NO.	DESCRIPTION	QTY.
1	547408001	Rear Body	1
2	547424001	Right Fender Cover Panel	1
3	547426001	Right Bottom Fender Cover	1
4	547413001	Tailgate Panel	1
5	547425001	Left Fender Cover Panel	1
6	547427001	Left Bottom Fender Cover	1
7	547416001	Front Access Panel	1
8	547419001	Storage Cover (Right)	1
9	547421001	Storage Cover (Left)	1
10	549338001	Cannopy Support Cover Plate	2

KEY NO.	PART NO.	DESCRIPTION	QTY.
11	548920001	Center Access Panel	1
12	684381001	Storage Cover Spring (Right)	1
13	674700001	Hinge Pin	2
14	684669001	Storage Cover Spring (Left)	1
15	660204008	Screw (M3 x 4mm)	4
16	684531001	Magnet	4
17	661864012	Screw (M4 x 16mm)	4
18	660203099	Bolt (M8-1.25 x 25mm, Flange Hex Hd.)	8
19	690523003	Washer (ID12.5 x OD22 x 2t)	8
20	662294001	Screw (1/4in. x 15mm)	5



PARTS LIST — FIGURE P

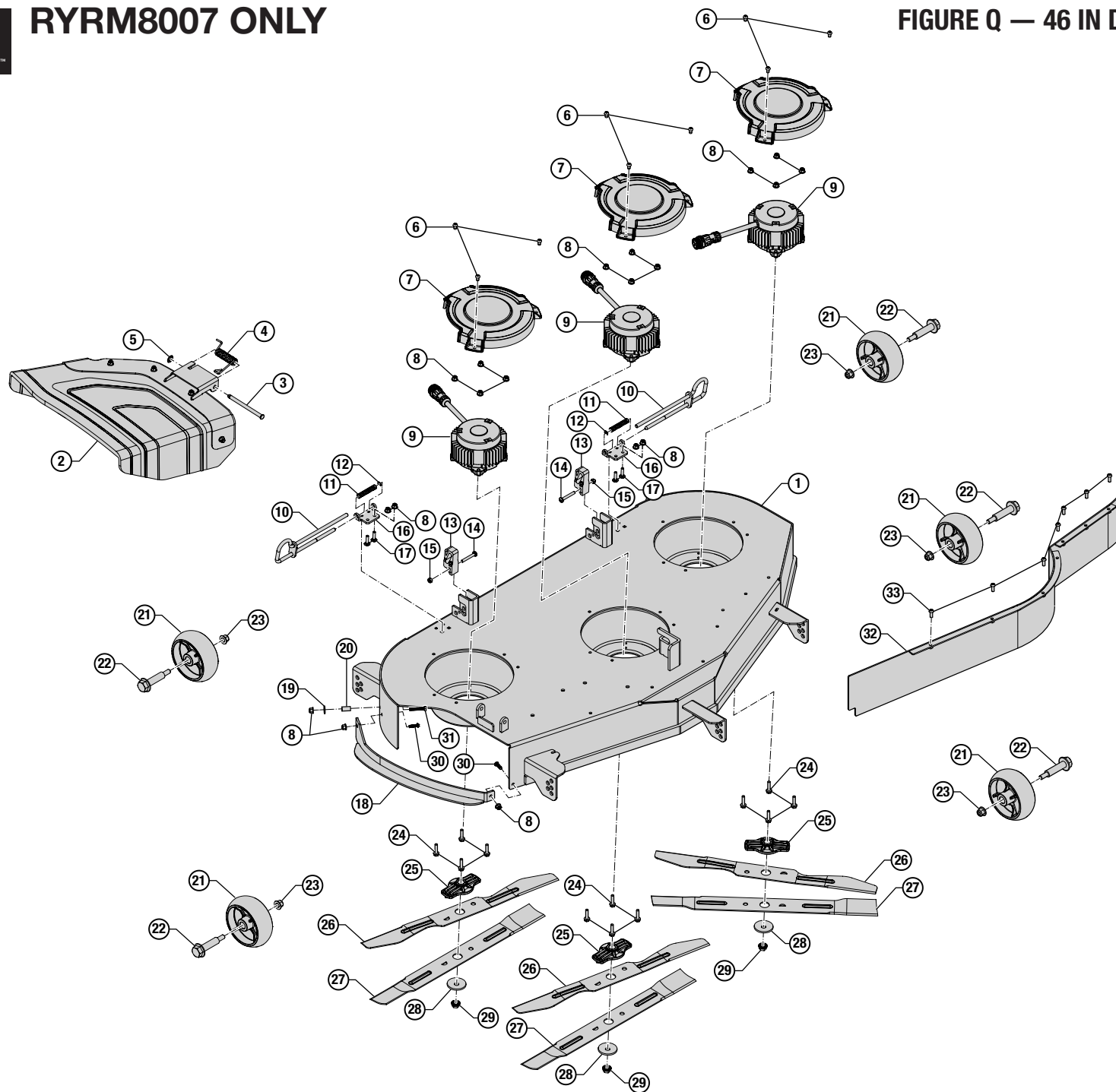
KEY NO.	PART NO.	DESCRIPTION	QTY.
1	547402001	Removeable Tray	1
2	130662001DG9	Ryobi 80V 720Wh Battery	3
3	662294001	Screw (1/4in. x 15mm)	6
4	657422001	Battery Pocket Plate	2
5	660024046	Screw (M4 x 12mm, T20 Torx Hd.)	4
6	661817001	Screw (M4 x 14mm)	8
7	547393001	Battery Pocket	1
8	661505005	Bolt (M8 x 36mm, Flange Hex Hd.)	4
9	663287002	Bolt (M8-1.25 x 90mm, Flange Hex Hd.)	2
10	547400001	Battery Bucket Base Plate	1



**RYRM8006 ONLY****PARTS LIST — FIGURE Q**

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	319830001	42" Deck (Inc. Key Nos. 6-20 and 24-30)	1
2	319830002	Side Discharge Chute Assembly	1
3	623213001	Hinge Pin	1
4	683959001	Torsion Spring	1
5	657866001	Push-On Retainer Clip	1
6	661409007	Screw (M6 x 10mm, T30 Torx Hd.)	6
7	548019001	Motor Cover	2
8	674747001	Flange Lock Nut (M6-1.0)	14
9	742969003	42" Deck Motors	2
10	684659001	Quick Release Pin Handle	2
11	684653001	Acuator Spring	2
12	680260001	E-Ring (M5)	2
13	684629001	Slotted Gate Latch	2
14	661834004	Screw (M4 x 42mm, Tox Pan Hd.)	3
15	678029009	Lock Nut (M6)	2

KEY NO.	PART NO.	DESCRIPTION	QTY.
16	657791001	Quick Release Pin Guide	2
17	663287007	Carriage Bolt (M6 x 23mm)	4
18	657916001	Discharge Side Bracket	1
19	638128018	Washer (M6)	2
20	684872001	Spacer	1
21	549037001	Roller Wheel	2
22	663272002	Shoulder Bolt (M10 x 1.5in.)	2
23	674738001	Flange Lock Nut (M10-1.5)	2
24	660975014	Bolt (M6 x 25mm, Flange Hex Hd.)	8
25	644889001	Crosscut Blade Adapter	2
26	682852001	Crosscut Blade	2
27	682853001	Side Discharge Blade	2
28	657766001	Blade Retainer Washer	2
29	679075001	Hex Nut (M10-1.25)	2
30	660697002	Bolt (M6 x 20mm)	1



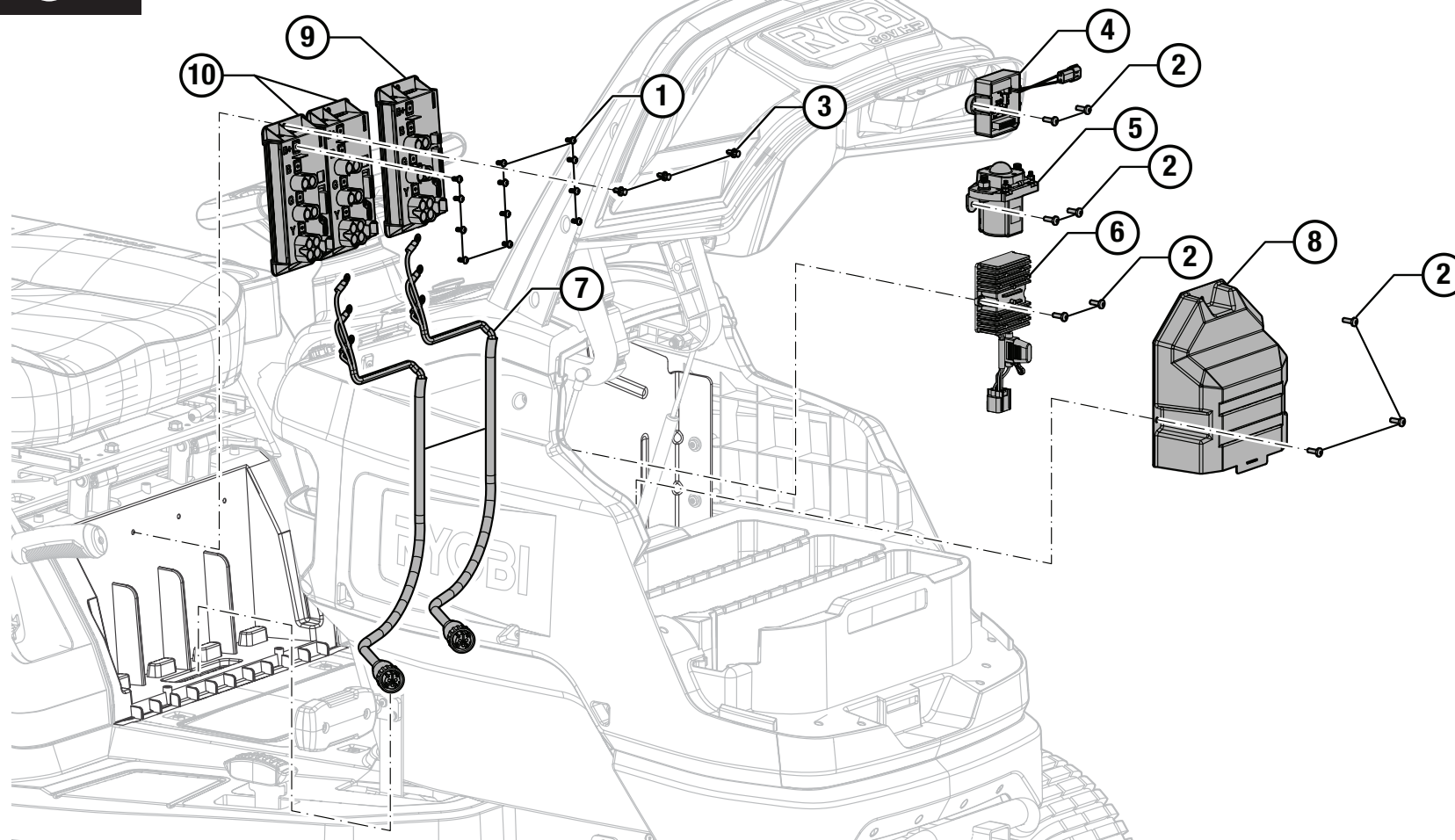


RYRM8007 ONLY

PARTS LIST — FIGURE Q

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	319831001	46" Deck (Inc. Key Nos. 6-20 and 24-31)	1
2	319785002	Side Discharge Chute Assembly	1
3	623213001	Hinge Pin	1
4	683959001	Torsion Spring	1
5	657866001	Push-On Retainer Clip	1
6	661409007	Screw (M6 x 10mm, T30 Torx Hd.)	9
7	548019001	Motor Cover	3
8	674747001	Flange Lock Nut (M6-1.0)	19
9	742913007	46" Deck Motors	3
10	684659001	Quick Release Pin Handle	2
11	684653001	Acuator Spring	2
12	680260001	E-Ring (M5)	2
13	684629001	Slotted Gate Latch	2
14	661834004	Screw (M4 x 42mm, Tox Pan Hd.)	2
15	678029009	Lock Nut (M6)	2
16	657791001	Quick Release Pin Guide	2
17	663287007	Carriage Bolt (M6 x 23mm)	4

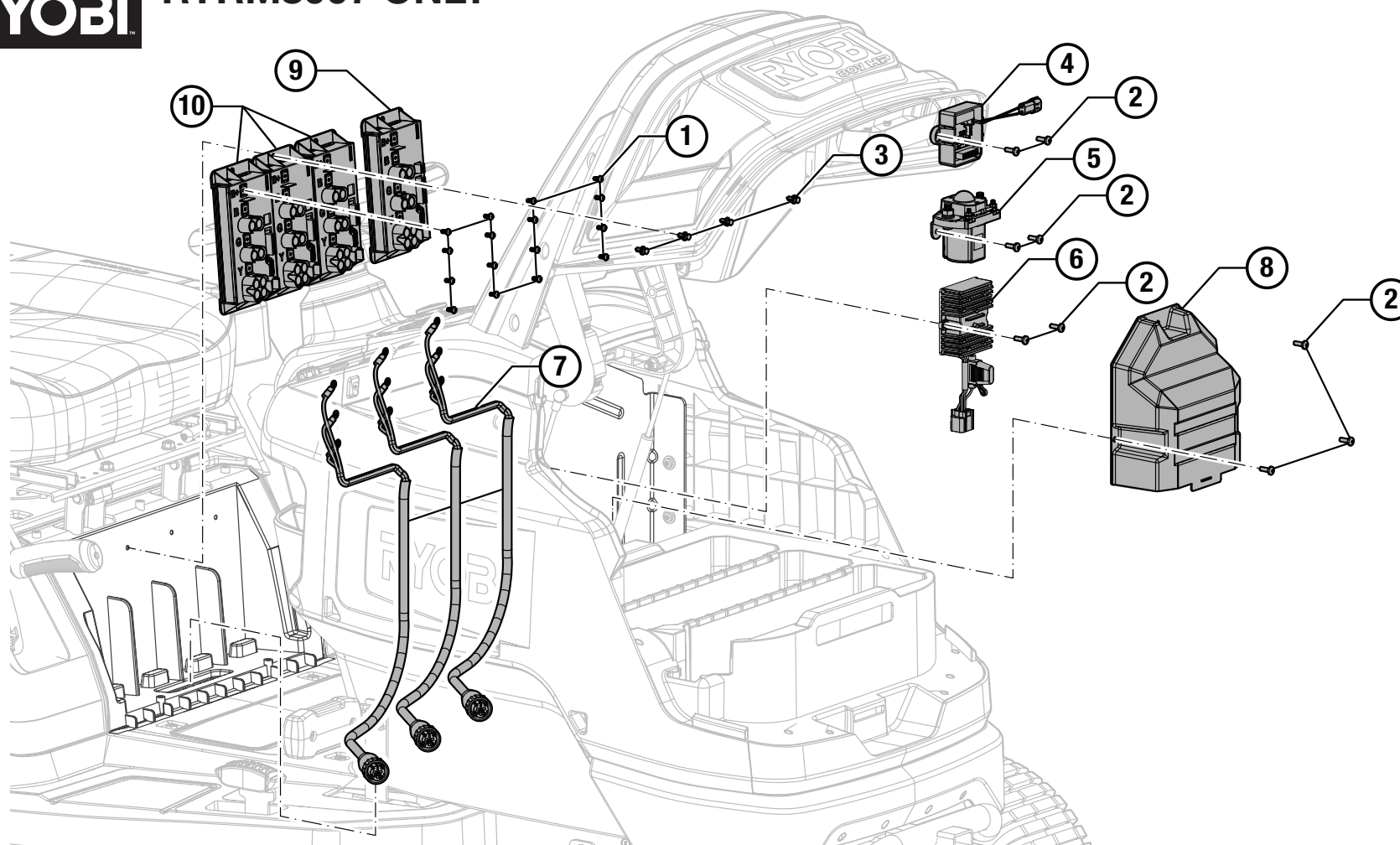
KEY NO.	PART NO.	DESCRIPTION	QTY.
18	657573001	Discharge Side Bracket	1
19	638128018	Washer (M6)	1
20	684872001	Spacer	1
21	549037001	Roller Wheel	5
22	663272002	Shoulder Bolt (M10 x 1.5in.)	5
23	674738001	Flange Lock Nut (M10-1.5)	5
24	660975014	Bolt (M6 x 25mm, Flange Hex Hd.)	12
25	644889001	Crosscut Blade Adapter	3
26	682742001	Crosscut Blade	3
27	682743001	Side Discharge Blade	3
28	657766001	Blade Retainer Washer	3
29	679075001	Hex Nut (M10-1.25)	3
30	660697002	Bolt (M6 x 20mm)	2
31	663199001	Screw (M6 x 1in., Hex Hd.)	1
32	657576001	Front Interior Baffle	1
33	661379003	Screw (M6 x 16mm, T30 Torx Hd.)	6



PARTS LIST — FIGURE R

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	663328001	Screw (M4 x 10mm, T20 Torx Pan Hd.) w/Washer	12
2	660934003	Screw (M5 x 18mm)	9
3	549759001	Plastic Pop Rivets	3
4	281478003	TIC Assembly	1
5	870297002	Main Relay	1
6	281744001	80V-12V Converter	1
7	292627001	3-Phase Power Harness	2

KEY NO.	PART NO.	DESCRIPTION	QTY.
8	986001155	Control Panel Cover	1
9	281724001	Drive Motor Controller	1
10	281724002	Deck Motor Controller	2
	292640001	42 in. Tractor Main Wire Harness (Not Shown)	1
	292641001	42 in. Tractor Power Wire Harness (Not Shown)	1
	292629001	UI Wire Harness (Not Shown)	1



PARTS LIST — FIGURE R

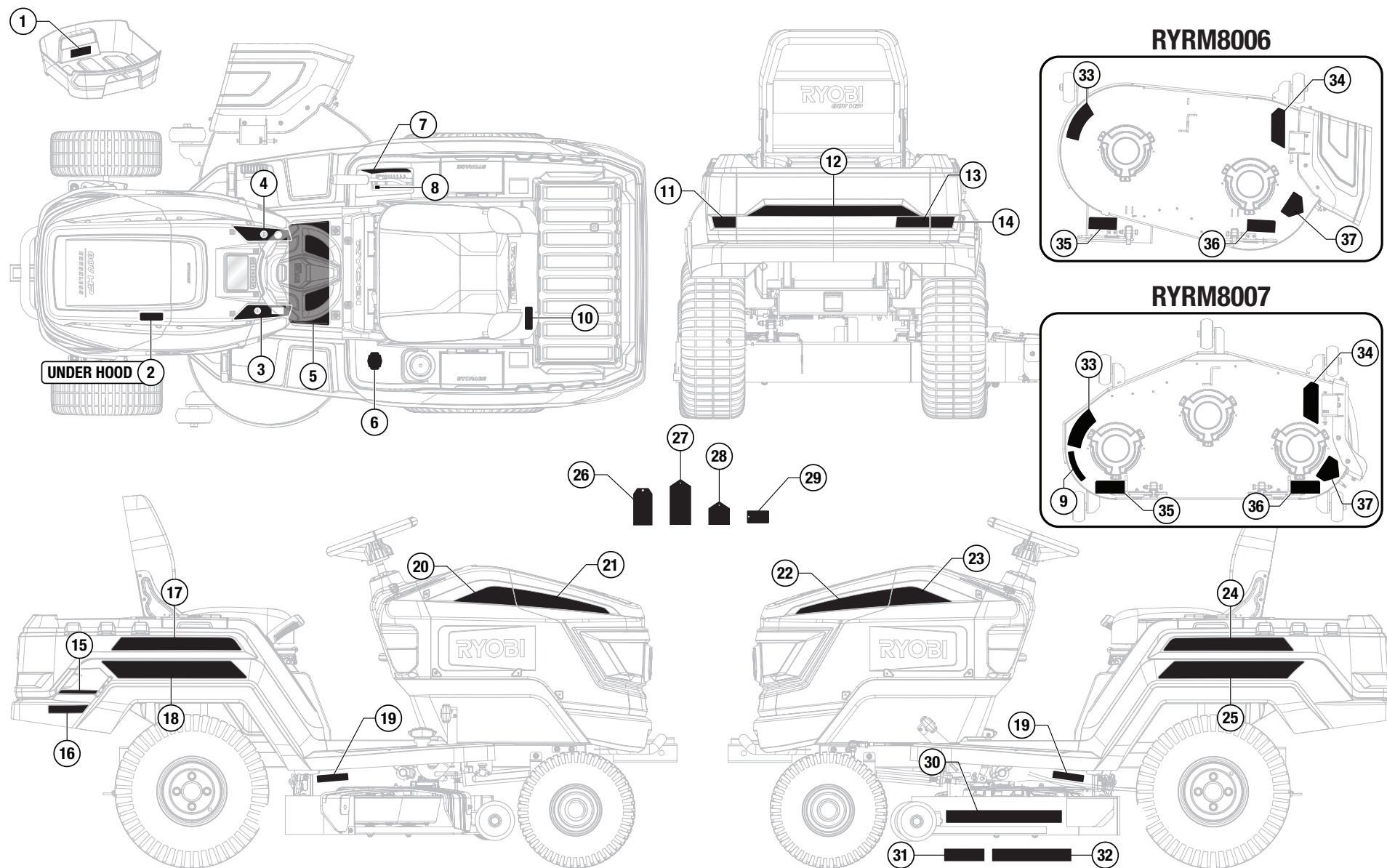
KEY NO.	PART NO.	DESCRIPTION	QTY.
1	663328001	Screw (M4 x 10mm, T20 Torx Pan Hd.) w/Washer	16
2	660934003	Screw (M5 x 18mm)	9
3	549759001	Plastic Pop Rivets	4
4	281478003	TIC Assembly	1
5	870297002	Main Relay	1
6	281744001	80V-12V Converter	1
7	292627001	3-Phase Power Harness	3

KEY NO.	PART NO.	DESCRIPTION	QTY.
8	986001155	Control Panel Cover	1
9	281724001	Drive Motor Controller	1
10	281724002	Deck Motor Controller	3
	292628001	46 in. Tractor Main Wire Harness (Not Shown)	1
	292626001	46 in. Tractor Power Wire Harness (Not Shown)	1
	292629001	UI Wire Harness (Not Shown)	1



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FIGURE S — LABELS



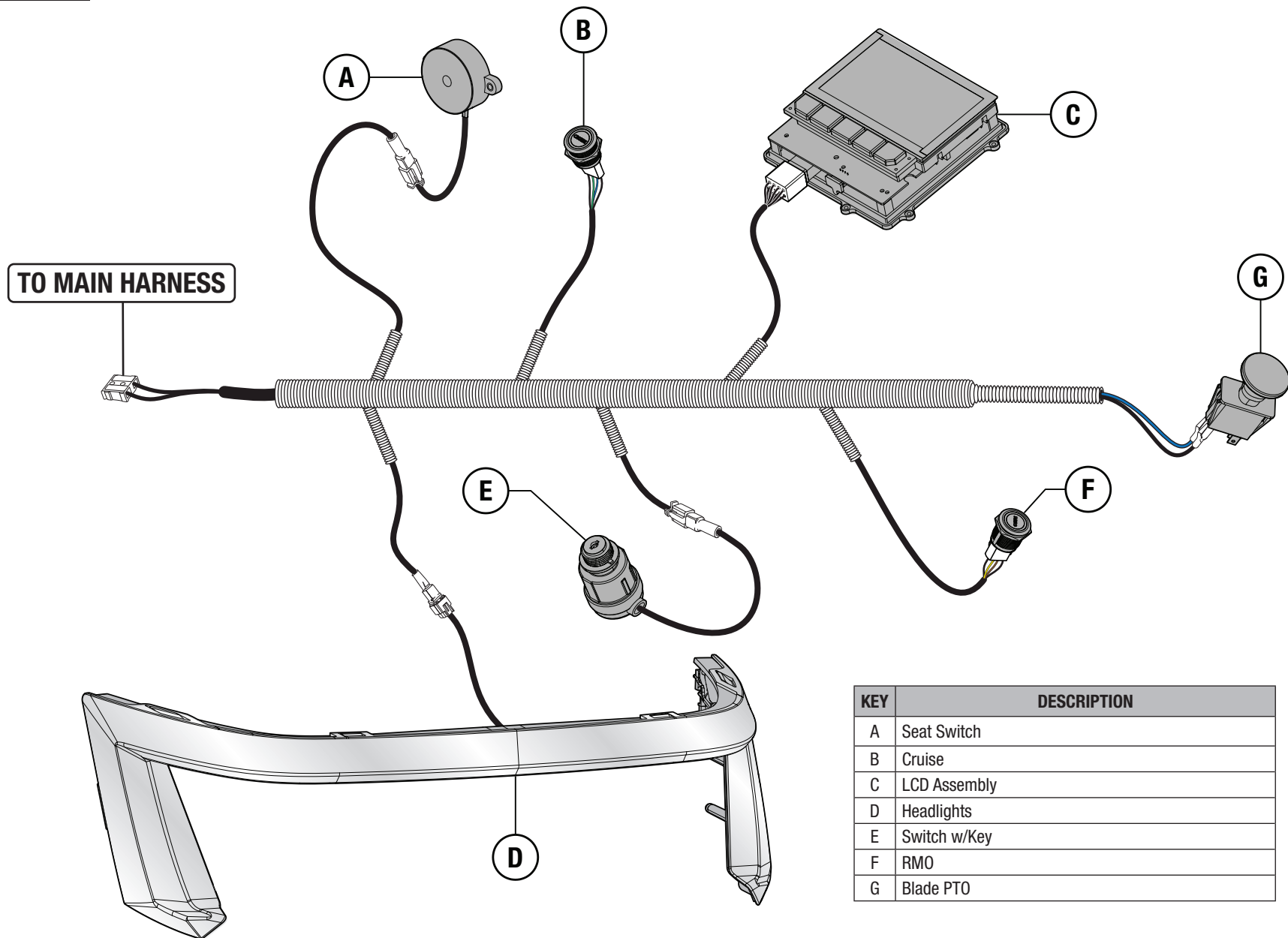


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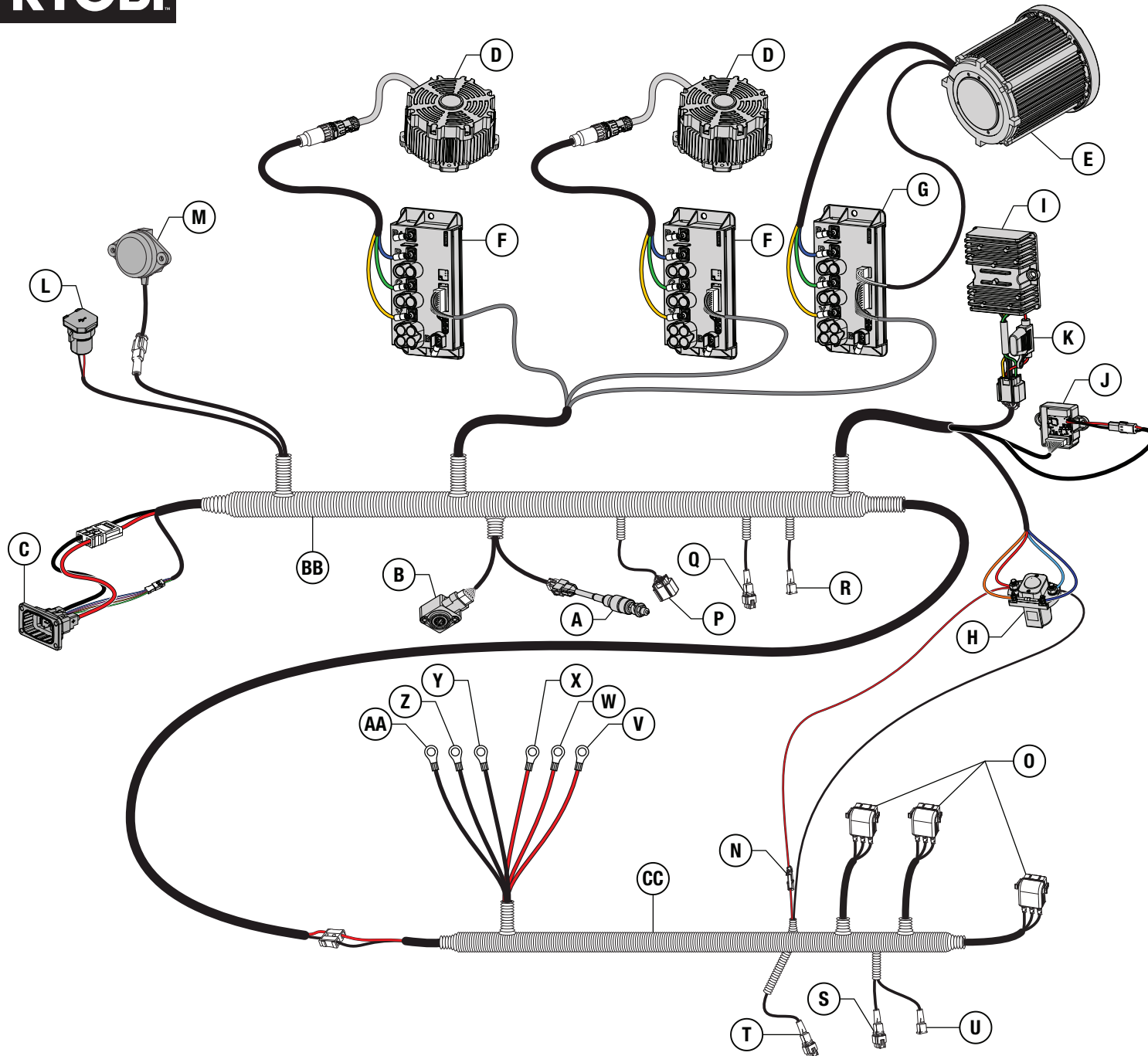
PARTS LIST — FIGURE S

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	941097329	Storage Bin Warning Label	1
2	941097322	FCC Label	1
3	941097259	Control Panel Left Label	1
4	941097260	Control Panel Right Label	1
5	941097251	Danger / Warning Label (English)	1
	941097252	Danger / Warning Label (Spanish)	1
6	941097267	Made In The USA Label	1
7	941097262	Deck Height Adjustment Label	1
8	940779670	Deck Removal Notch Label	1
9	941097324	Do Not Step Label (RYRM8007)	1
10	941097253	Not For Passengers Label	1
11	941097274	Left Rear Back Label	1
12	941097256	80V HP Brushless Rear Label	1
13	941097273	Subbrand Rear Label (RYRM8006)	1
	941097287	Subbrand Rear Label (RYRM8007)	1
14	941097275	Right Rear Back Label	1
15	941097257	Charging Port Label (English)	1
	941097258	Charging Port Label (Spanish)	1
16	941097270	QR Code Label (RYRM8006)	1
	941097296	QR Code Label (RYRM8007)	1
17	941097255	80V HP Brushless Non-Hero Label	1
18	941097272	Stripe Non-Hero Label	1
19	940779312	Pinch Point Label	2
20	941097268	Back Non-Hero Feature Label	1

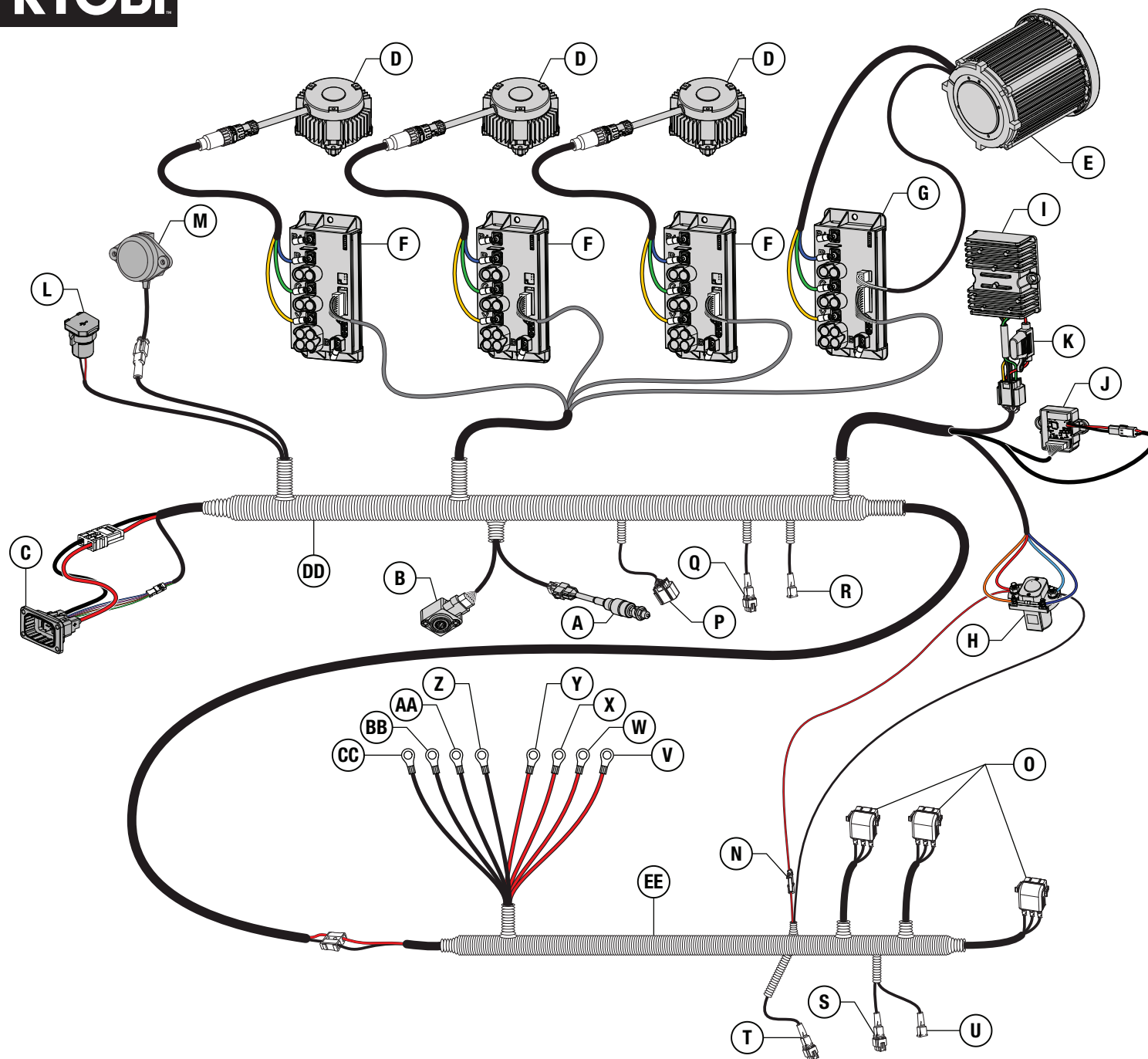
KEY NO.	PART NO.	DESCRIPTION	QTY.
21	941097269	Front Non-Hero Feature Label	1
22	941097266	Front Hero Feature Label	1
23	941097265	Back Hero Feature Label	1
24	941097254	80V HP Brushless Hero Label	1
25	941097271	Stripe Hero Label	1
26	918016121	Seat Assembly Hangtag	1
27	918016116	80V Battery Connection Hangtag	1
28	918016021	Prop 65 Hangtag	1
29	918016120	Keychain Tag (English)	1
	918016119	Keychain Tag (Spanish)	1
30	941097261	Cutting Width Deck Label (RYRM8006)	1
31	941097284	Cutting Width Deck Label - Part A (RYRM8007)	1
32	941097285	Cutting Width Deck Label - Part B (RYRM8007)	1
33	940851207	Deck Danger Label (English)	1
	940851227	Deck Danger Label (Spanish)	1
34	940779626	Discharge Chute Danger Label (English)	1
	940779625	Discharge Chute Danger Label (Spanish)	1
35	941097345	Non-Hero Pin Tension Deck Removal Label (English)	1
	941097348	Non-Hero Pin Tension Deck Removal Label (Spanish)	1
36	941097346	Hero Pin Tension Deck Removal Label (English)	1
	941097349	Hero Pin Tension Deck Removal Label (Spanish)	1
37	940851219	CPSC Label (English)	1
	940851226	CPSC Label (Spanish)	1



KEY	DESCRIPTION
A	Seat Switch
B	Cruise
C	LCD Assembly
D	Headlights
E	Switch w/Key
F	RMO
G	Blade PTO



KEY	DESCRIPTION
A	Brake Switch
B	Accelerator Control Switch
C	Charger Port
D	Deck Motor
E	Drive Motor
F	Deck Motor Controller
G	Drive Motor Controller
H	Relay
I	12 Volt Power Converter
J	TIC Assembly
K	5 Amp Fuse
L	USB
M	Seat Switch
N	100 Amp Fuse
O	80 Volt Battery Connector
P	UI Interconnect (Main Wiring Harness)
Q	Ground Interconnect (Main Wiring Harness)
R	CANBUS Interconnect (Main Wiring Harness)
S	UI Interconnect (Battery Harness)
T	Negative Interconnect (Battery Harness)
U	CANBUS Interconnect (Battery Harness)
V	Drive Motor Controller Power
W	Main Deck Controller Power
X	Aux Deck Controller Power
Y	Drive Controller Ground
Z	Main Deck Controller Ground
AA	Aux Deck Controller Ground
BB	Main Wiring Harness
CC	Battery Harness



KEY	DESCRIPTION
A	Brake Switch
B	Accelerator Control Switch
C	Charger Port
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F	Deck Motor Controller
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P	UI Interconnect (Main Wiring Harness)
Q	Ground Interconnect (Main Wiring Harness)
R	CANBUS Interconnect (Main Wiring Harness)
S	UI Interconnect (Battery Harness)
T	Negative Interconnect (Battery Harness)
U	CANBUS Interconnect (Battery Harness)
V	Drive Motor Controller Power
W	Main Deck Controller Power
X	Aux Deck Controller 1 Power
Y	Aux Deck Controller 2 Power
Z	Drive Controller Ground
AA	Main Deck Controller Ground
BB	Aux Deck Controller 1 Ground
CC	Aux Deck Controller 2 Ground
DD	Main Wiring Harness
EE	Battery Harness