

NOBLELIFT

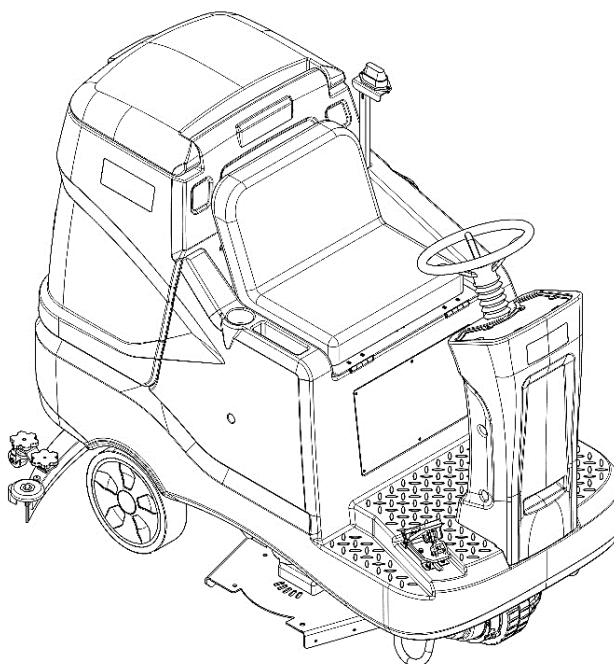


Scan QR Code for More

Ride-on Scrubber NR860

Parts Manual

591346020101



Version V03

Scrubber Identification Number From:

Parts Manual NR860-PM03EN

Please order parts from authorized dealers of Noblelift Intelligent Equipment Co., LTD.

In order to avoid wrong delivery, all the orders for spare parts should specify the following items:

- Truck model, identification number and manufacture year.
- Orders for spare parts of mast, hydraulic transmission unit, steering axle, motor, etc. shall indicate the manufacture number of these parts.
- Codes for Noblelift spare parts are shown in the table of parts manual. Please also pay attention to the description of supply status, order quantity, etc. (check the number listed in "Mark" column of the parts manual).

"Mark" Column:

The unmarked indicates the parts are in short supply cycle.

Number 1: supply as package. Indicating these that parts are small parts and seal parts, which are supplied in package unit and in short supply cycle.

Number 2: supply with constraints. Indicating that these spare parts are not in stock and will be prepared for production after receiving the order from customers, which are in long supply cycle.

Number 3: phasing-out supply. Indicating that these parts will be replaced by new parts due to technical improvements and the current stock will not be available when these parts run out. Please check the description of technical improvements notice.

Number 4: supply as assembly. Indicating that these parts are assembly parts defined by manufacture process, which cannot be supplied as a single part.

Number 5: check other tables.

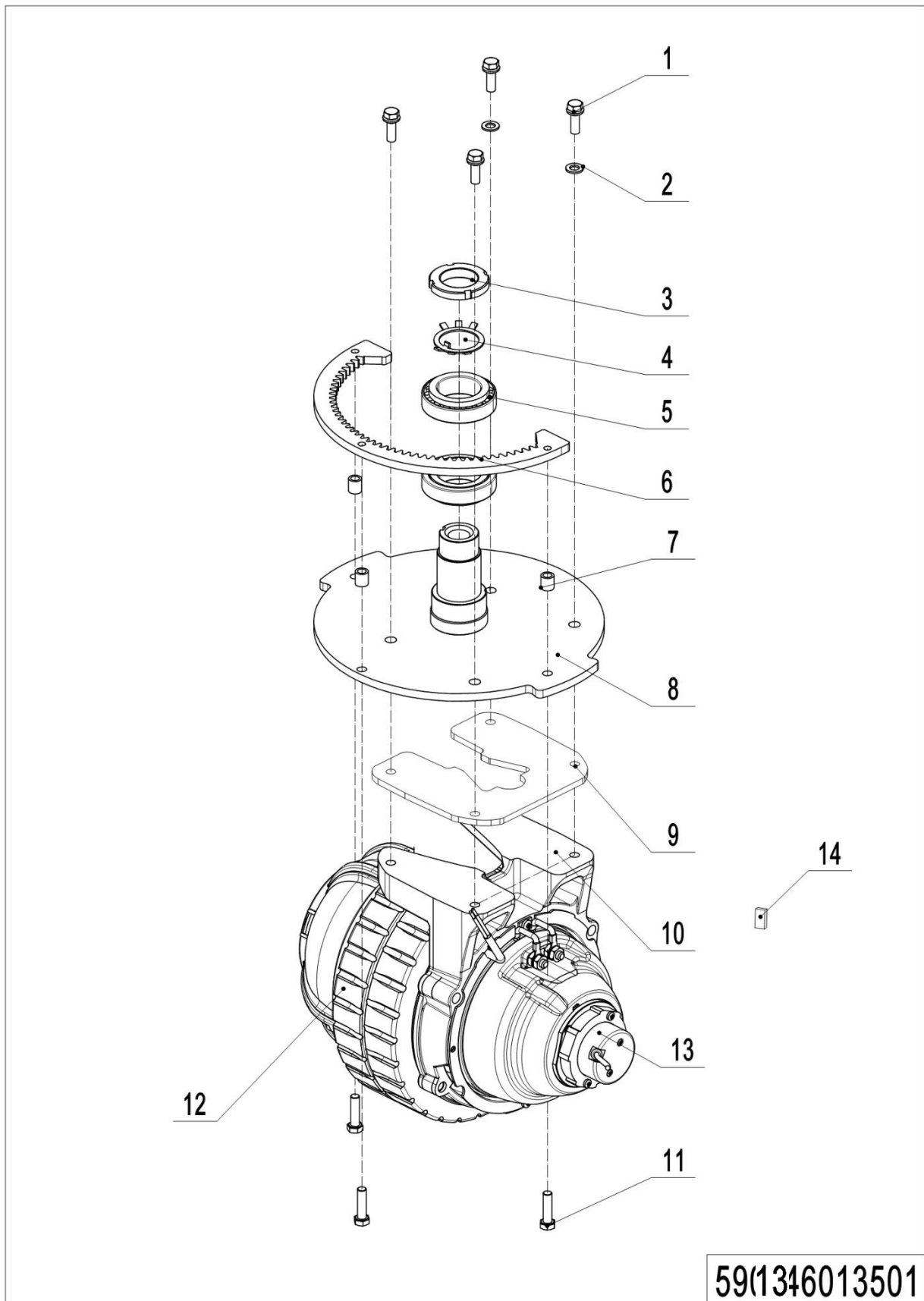
This parts manual is the property of Noblelift and can be shared under the confidential agreement only, Noblelift has the right to claim for compensation of any unauthorized use. Copy without permission is not allowed. Figures in the manual are not limited by the original design. Noblelift Intelligent Equipment Co., LTD reserves the right to improve the products for continuous technology progress.

Table of Contents

Chapter 1: Body Structure	1
01 Drive (591346013501).....	1
Chapter 2: Body Structure	3
01 Solution Tank (591346021501).....	3
02 Recovery Tank (591346021502).....	7
03 Chassis (591346017001).....	9
04 Brush (590746021503)	11
05 Squeegee Assembly (590746021504).....	15
06 Baffle Plate (591346021505).....	17
07 Waterway Component (591346021506)	19
08 Squeegee Bracket (591346017002).....	21
09 Front Body (591346021507).....	23
Chapter 3: Electrical Systems	25
01 Electric Control (591346033001)	25
02 Battery (591346037001)	27
03 Charger (591346036501).....	29
04 Wire Harness (Lead-acid battery) (591346033002).....	31
05 Wire Harness (Lithium battery) (591346033003)	33
Chapter 4: Others	35
01 Labels (591346047001)	35
Appendix.....	37
01 Electrical Schematics (590746045501)	37
02 List Of Wear Parts.....	38
03 List Of Consumables.....	39

Chapter 1: Body Structure

01 Drive (591346013501)

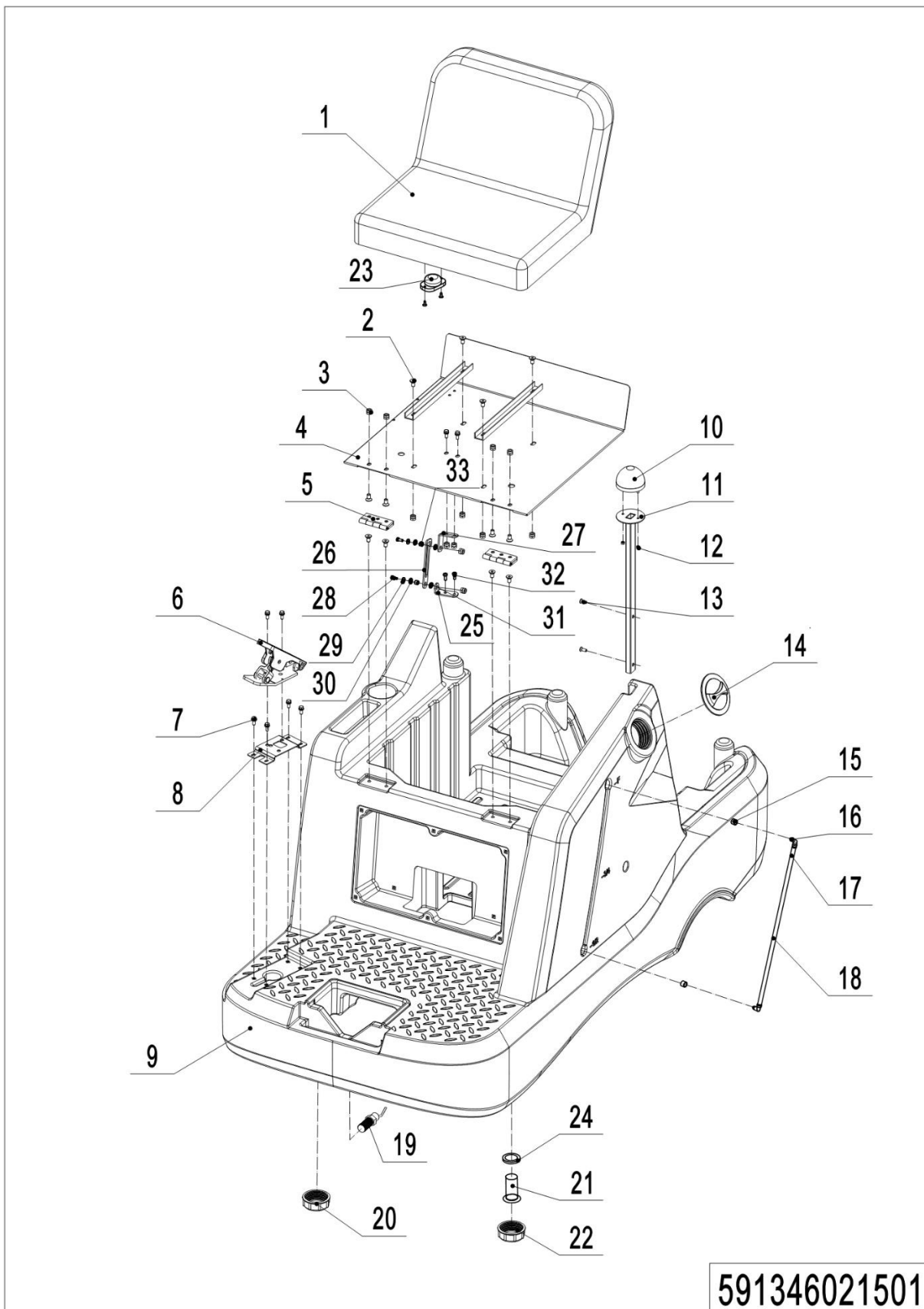


01 Drive (591346013501)

No.	Item Code	Mark	Item Description	Qty.	Substitute	NOTE
1	590198520181		Screw M10x30	4		
2	590198520073		Spring Washer	2		
3	590398520065		Nut M36	1		
4	590398520054		Gasket	1		
5	590398520075		Bearing	2		
6	590798520029		Ring Gear	1		
7	590798520055		Spacer Bush 8x12x15	3		
8	591398520050		Mounting Plate	1		
9	591398520001		Raising Plate	1		
10	591398510001		Drive Motor	1		
11	590198520145		Screw M8x30	3		
12	590798520161		Drive Wheel	1		
13	590798520162		Electromagnetic Brake	1		
14	590798520163		Carbon Brush	1		

Chapter 2: Body Structure

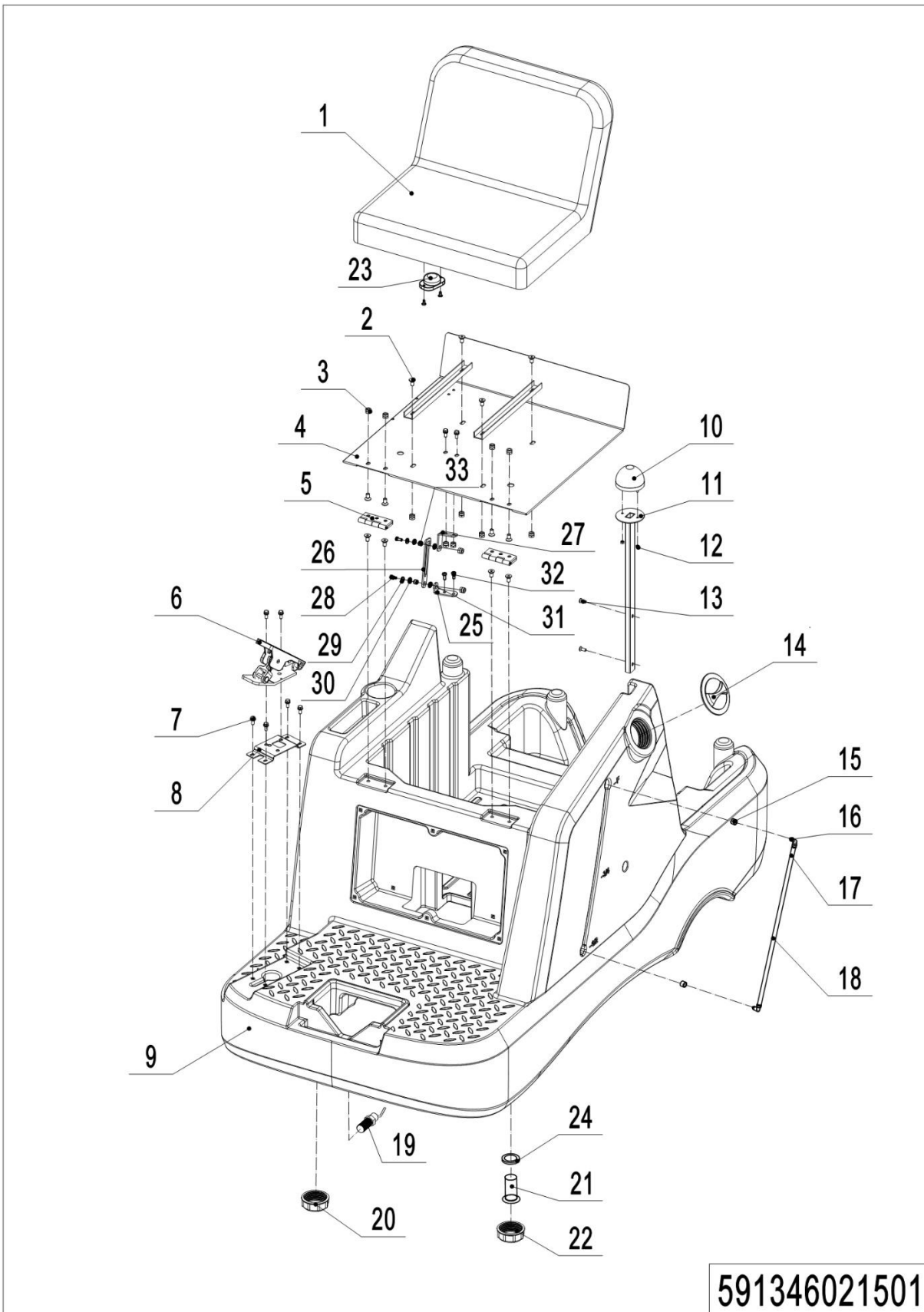
01 Solution Tank (591346021501)



591346021501

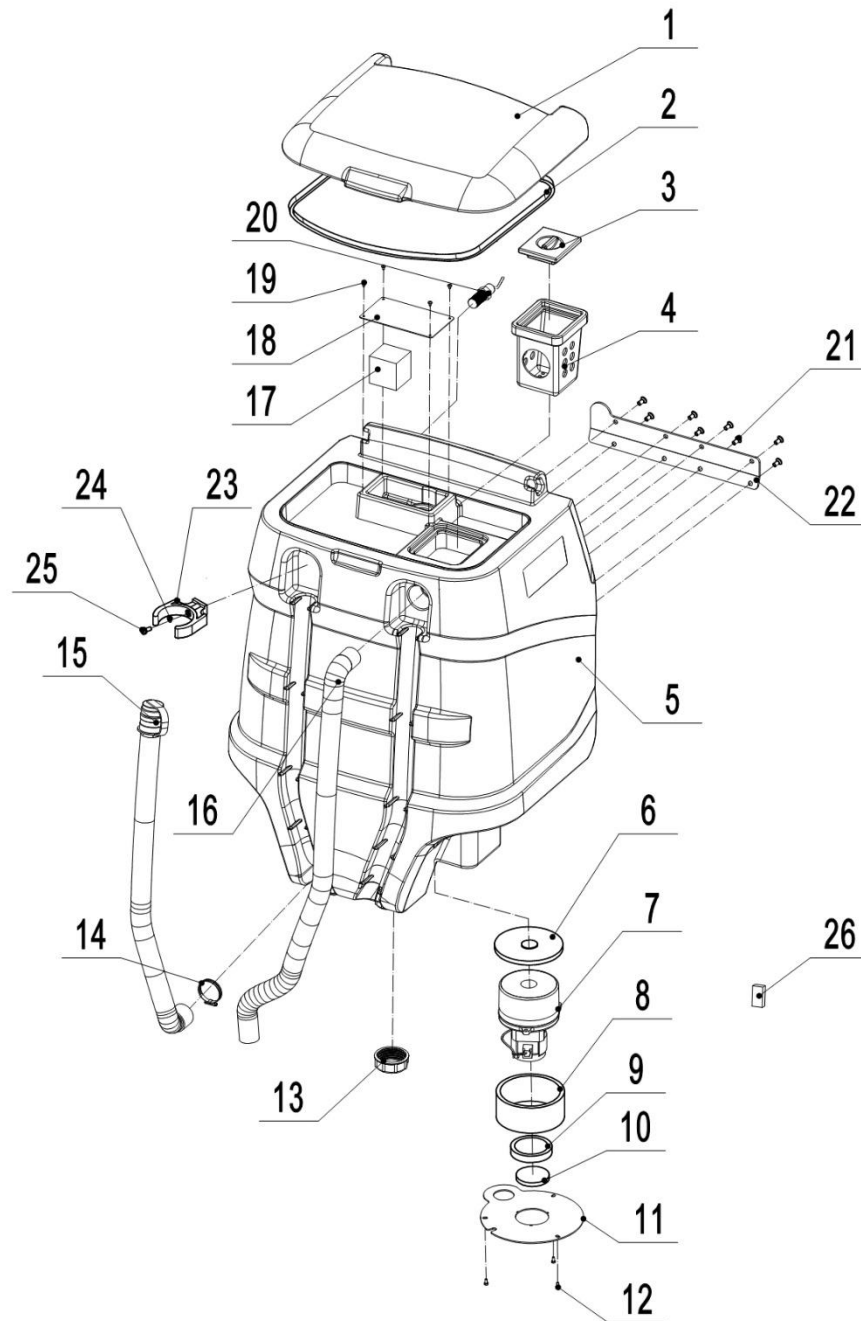
01 Solution Tank (591346021501)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	590798520038		Seat	1		
2	590198520104		Screw M8x16	14		
3	590198520066		Nut M8	8		
4	591398520002		Seat Fixed Plate	1		
5	591398520003		Hinge	2		
6	590798510004		Accelerator	1		
7	590198520142		Screw M6x16	4		
8	590798520026		Fixed Sheet Metal	1		
9	591398520005		Solution Tank	1		
10	591398520006		Warning Light	1		
11	591398520007		Fixed Bracket	1		
12	590498520079		Nut M4	2		
13	590998520014		Screw M6x12	2		
14	590398520007		Water Filling Cap	1		
15	590198520136		Rubber Plug	2		
16	590198520128		Right-angle Joint	2		
17	590198520130		Floating Ball	1		
18	591398520239		Hose	0.41		0.41m
19	591398520008		Sensor	1		
20	590398520008		Drain Cap	1		
21	590798520004		Filter	1		
22	590798520008		Drain Cap	1		
23	590798510012		Seat Switch	1		
24	590798520127		Rubber Pad	2		
25	590798520164		Under Bracing	1		
26	590798520165		Seat Slide	1		
27	590798520166		Upper Bracing	1		
28	590998520082		Screw M8x25	2		
29	590198520109		Gasket	2		
30	591398520024		Washer	2		

01 Solution Tank (591346021501) Continuation

01 Solution Tank (591346021501) Continuation

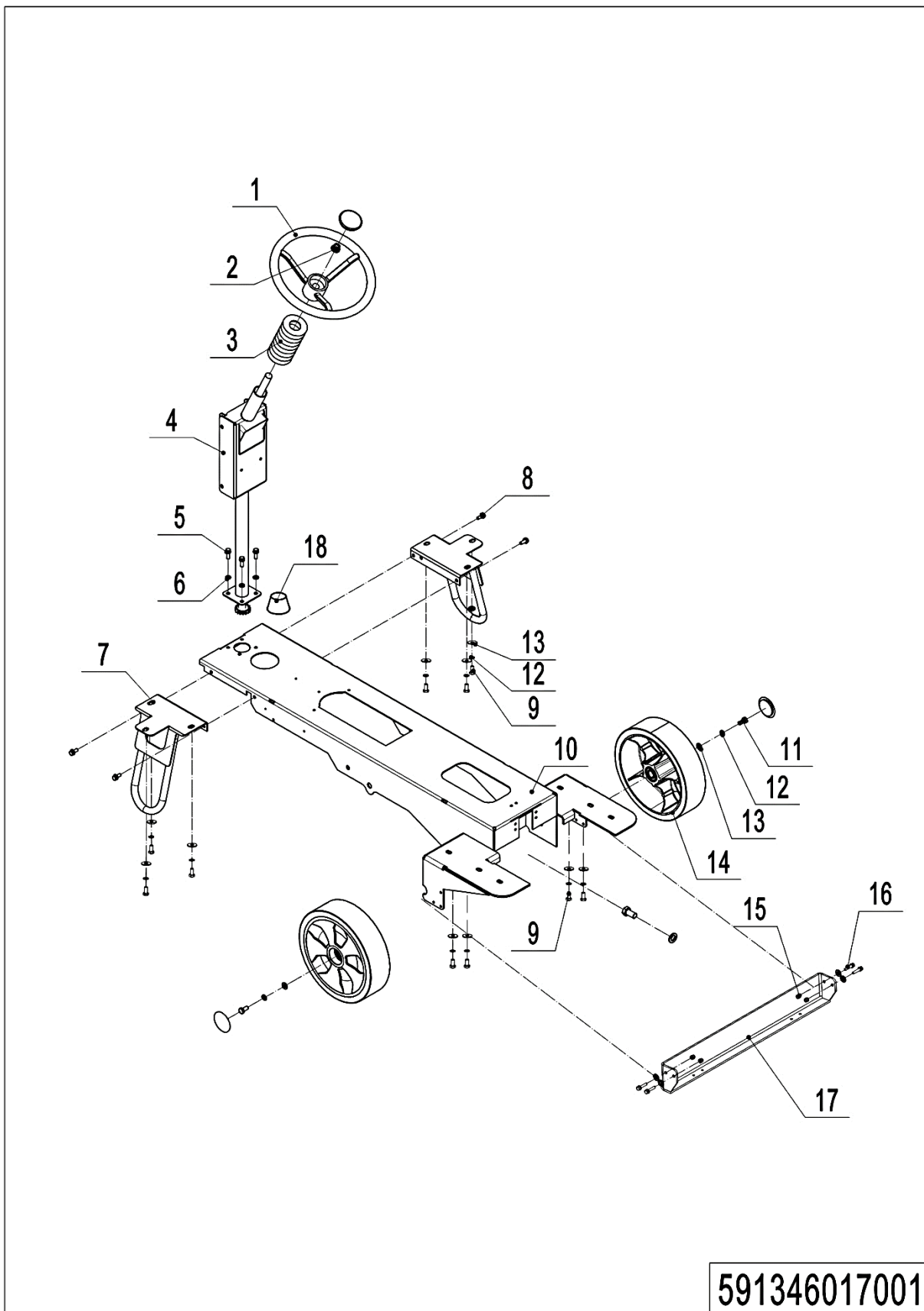
No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
31	590198520028		Nylon Washer	2		
32	590998520072		Screw M8x16	4		
33	591398520023		Steel Bushing	2		

02 Recovery Tank (591346021502)**591346021502**

02 Recovery Tank (591346021502)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	591398520009		Recovery Tank Cap	1		
2	591398520261		Sealing Strip	1.85		1.85m
3	590798520006		Garbage Box Cap	1		
4	590798520005		Garbage Box	1		
5	591398520010		Recovery Tank	1		
6	590198520054		Sealing Ring	1		
7	590798510003		Vacuum Motor	1		
8	590198520056		Silencing Foam	1		
9	590198520197		Sealing Ring	1		
10	590198520058		Filter Foam	1		
11	591398520012		Fixed Plate	1		
12	590198520142		Screw M6x16	3		
13	590398520008		Drain Cap	1		
14	590798520053		Hoop	1		
15	591398520014		Drain Hose	1		
16	591398520013		Suction Pipe	1		
17	591398520015		Filter Foam	1		
18	591398520016		Water Barrier Plate	1		
19	590398520090		Screw M3.5x13	4		
20	591398520017		Sensor	1		
21	590198520104		Screw M8x16	8		
22	590798520146		Reinforcement Plate	1		
23	590198520018		Water Pipe Buckle	1		
24	590198520076		Spring Washer	1		
25	590198520093		Screw M5x12	1		
26	590798520138		Carbon Brush	1		

1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

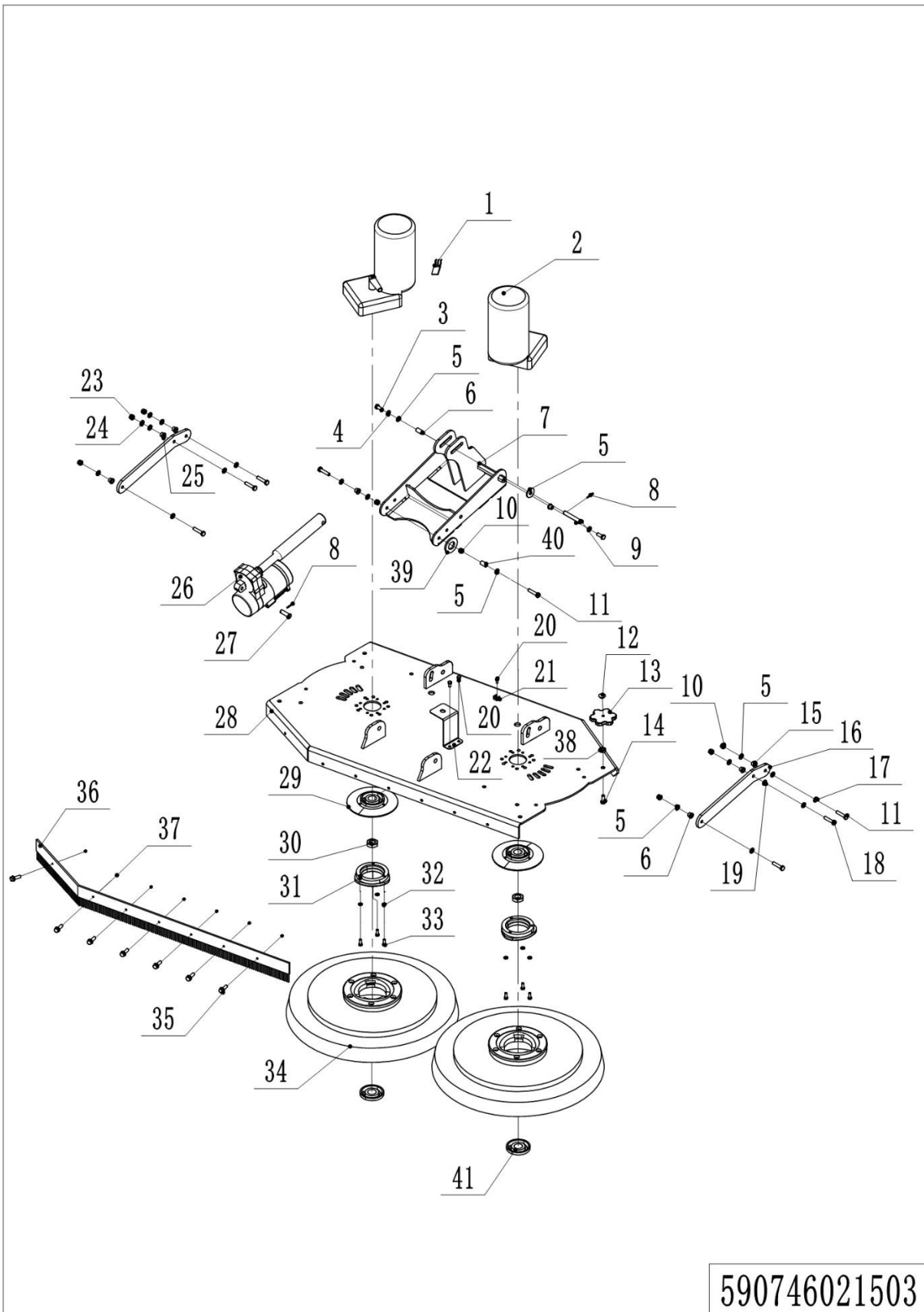
03 Chassis (591346017001)

1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

03 Chassis (591346017001)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	590798520039		Steering Wheel	1		
2	590798520058		Nut M16	1		
3	590798520040		Protective Cover	1		
4	590798520036		Steering Mechanism	1		
5	590398520049		Screw M8x25	4		
6	590198520081		Gasket	4		
7	590798520031		Anti-rollover Bracket	2		
8	590198520069		Screw M8x20	4		
9	590198520086		Screw M10x20	12		
10	591398520018		Frame	1		
11	590198520126		Screw M10x25	2		
12	590198520073		Spring Washer	14		
13	590198520080		Gasket	14		
14	590798520014		Rear Wheel	2		
15	590198520067		Nut M6	4		
16	590398520048		Screw M6x20	4		
17	591398520019		Rear Frame	1		
18	591398520020		Protective Cover	1		

04 Brush (590746021503)



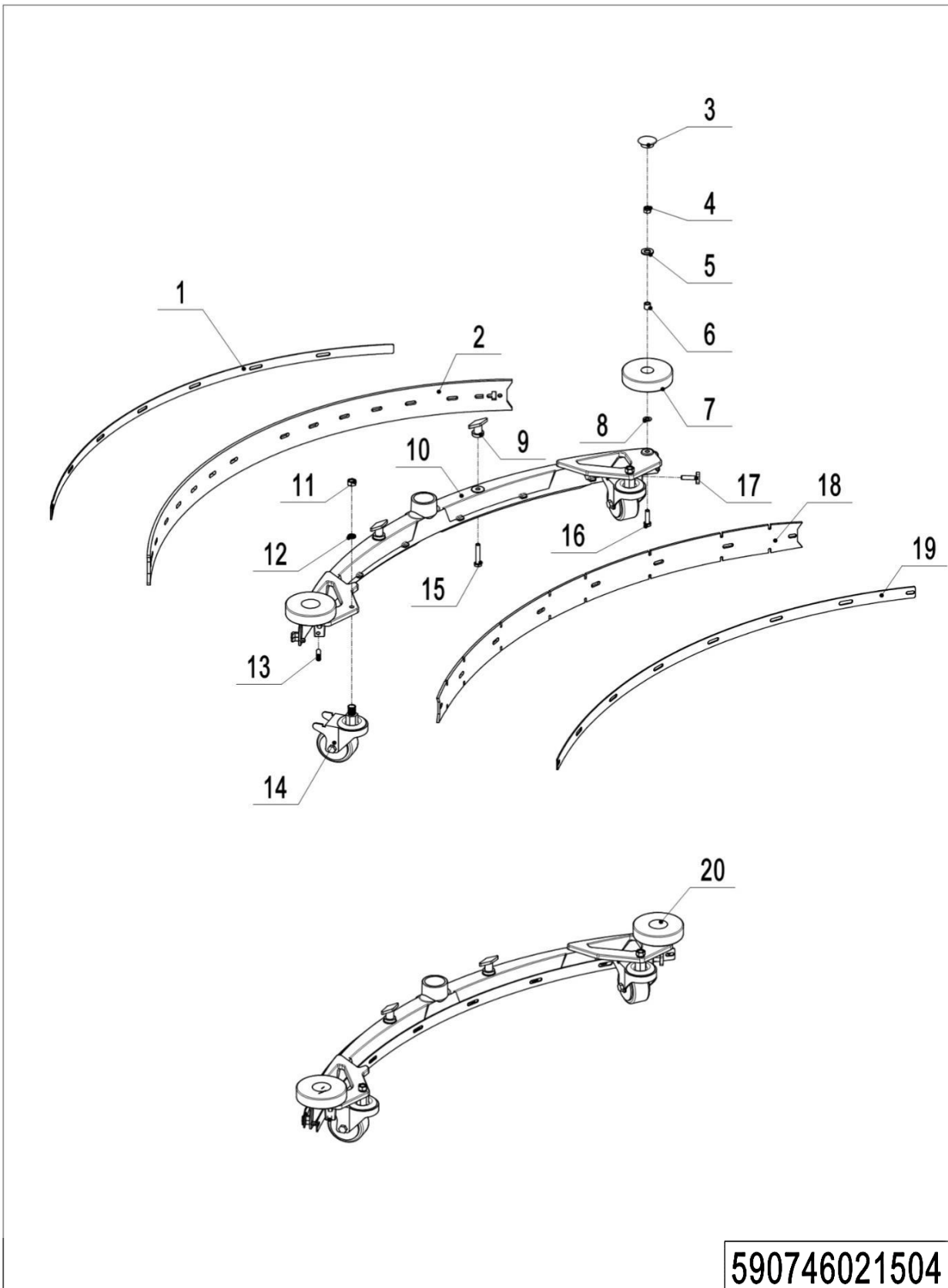
04 Brush (590746021503)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	590798520135		Carbon Brush	2		
2	590798510005		Brush Motor	2		
3	590198520181		Screw M10x30	2		
4	590198520073		Spring Washer	2		
5	590198520080		Gasket	3		
6	590798520118		Steel Bushing	2		
7	590798520025		Brush Lifting Bracket	1		
8	590198520180		Pin	2		
9	590798520045		Pin Shaft 10x65	1		
10	590198520065		Nut M10	6		
11	590798520120		Screw 12x20-M10	6		
12	590798520123		Cap	2		
13	590198520132		Knob	2		
14	590198520150		Screw M8x35	2		
15	590198520017		Nylon Bush	6		
16	590798520024		Linkage	2		
17	590398520085		Gasket	4		
18	590198520145		Screw M8x30	2		
19	590198520028		Nylon Washer	6		
20	590198520091		Screw M5x12	4		
21	590198520095		Ribbon Base	2		
22	590498520031		Fixed Plate	1		
23	590198520066		Nut M8	2		
24	590198520109		Gasket	2		
25	590798520121		Steel Bushing	2		
26	591398520021		Push Motor	1		
27	590798520046		Pin Shaft 10x55	1		
28	590798520078		Brush Cap	1		
29	590198520045		Locator Plate	2		
30	590398520064		Nut M20	2		

1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

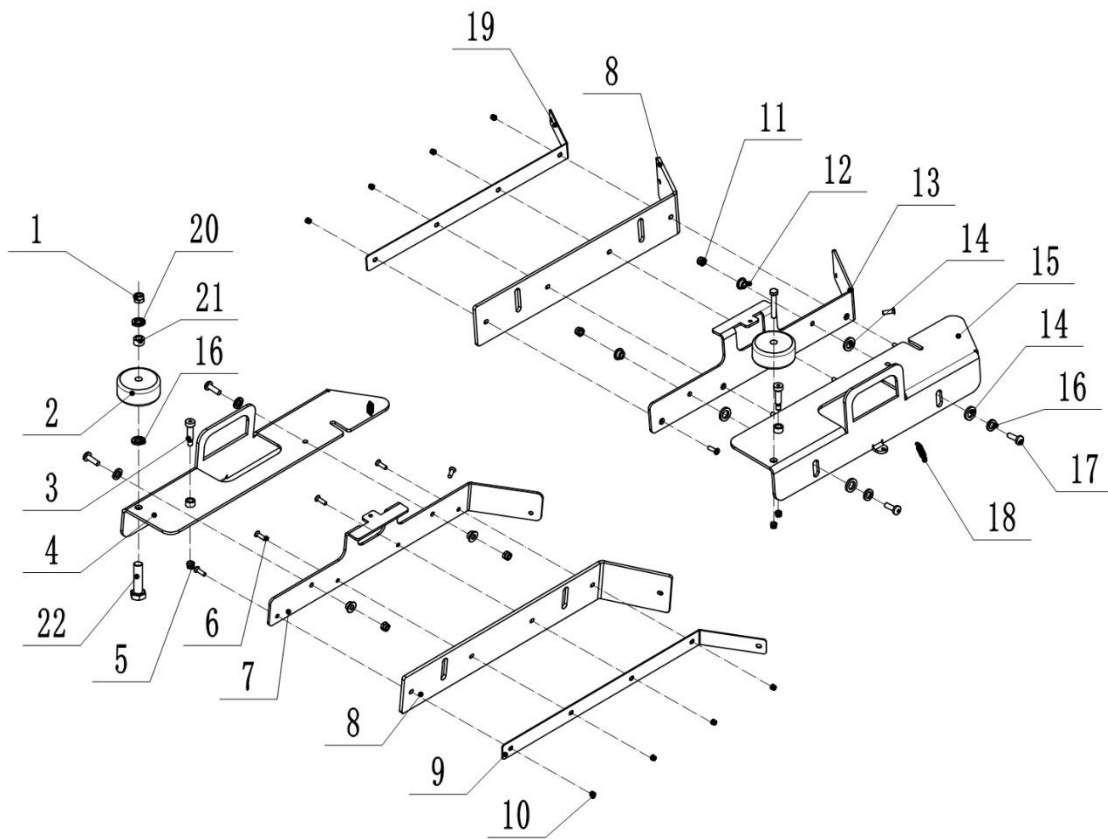
04 Brush (590746021503) Continuation

No.	Item Code	Mark	Item Description	Qty.	Substitu	Note
31	590198520010		Brush Buckle	2		
32	590198520075		Spring Washer	6		
33	590198520087		Screw M6x20	6		
34	590798520074		16" Brush	2		
34	590798520075		16" Needle Disk	2		
34	590798520112		16" Brush(Soft)	2		
34	590798520113		16" Brush(Hard)	2		
35	590198520142		Screw M6x16	15		
36	591398520022		Brush Strip	1		
37	590198520067		Nut M6	7		
38	590198520122		Nut M8	1		
39	590798520128		Steel Bushing 12x16x10	2		
40	590398520053		Gasket Ø16	2		
41	590198520206		Brush Buckle	2		
41	590198520220		Locating buckle	2		For Needle Disk

05 Squeegee Assembly (590746021504)

05 Squeegee Assembly (590746021504)

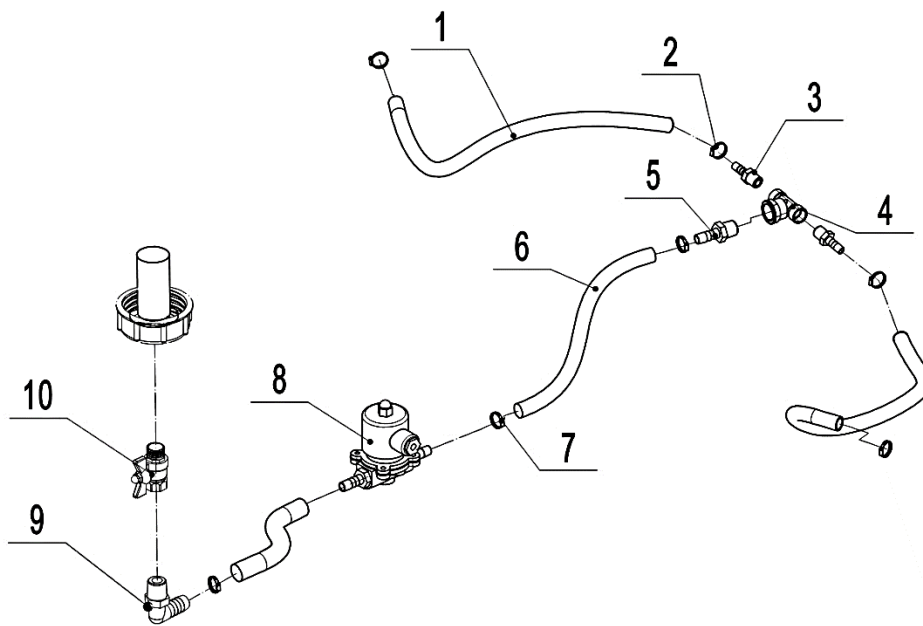
No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	590498520093		Rear Batten	1		
2	590498520094		Rear Blade	1		
2	590498520116		Rear Blade(NR)	1		Optional
2	590498520117		Rear Blade(PU)	1		Optional
3	590498520139		Wheel Cap	2		
4	590198520066		Nut M8	2		
5	590198520109		Gasket	2		
6	590498520140		Spacer Bush	2		
7	590498520096		Bumper Wheel	2		
8	590498520143		Gasket 8	2		
9	590498520092		Knob	2		
10	590498520089		Squeegee Blade	1		
11	590498520141		Nut M10	2		
12	590198520073		Spring Washer	2		
13	590198520149		Screw M8x35	1		
14	590498520095		Universal Caster	2		
15	590498520142		Screw M8x45	2		
16	590198520145		Screw M8x30	2		
17	590198520148		Screw M8x30	1		
18	590498520090		Front Blade	1		
18	590498520114		Front Blade(NR)	1		Optional
18	590498520115		Front Blade(PU)	1		Optional
19	590498520091		Front Batten	1		
20	590498510012		Squeegee	1		Excluding Rubber Strips

06 Baffle Plate (591346021505)

591346021505

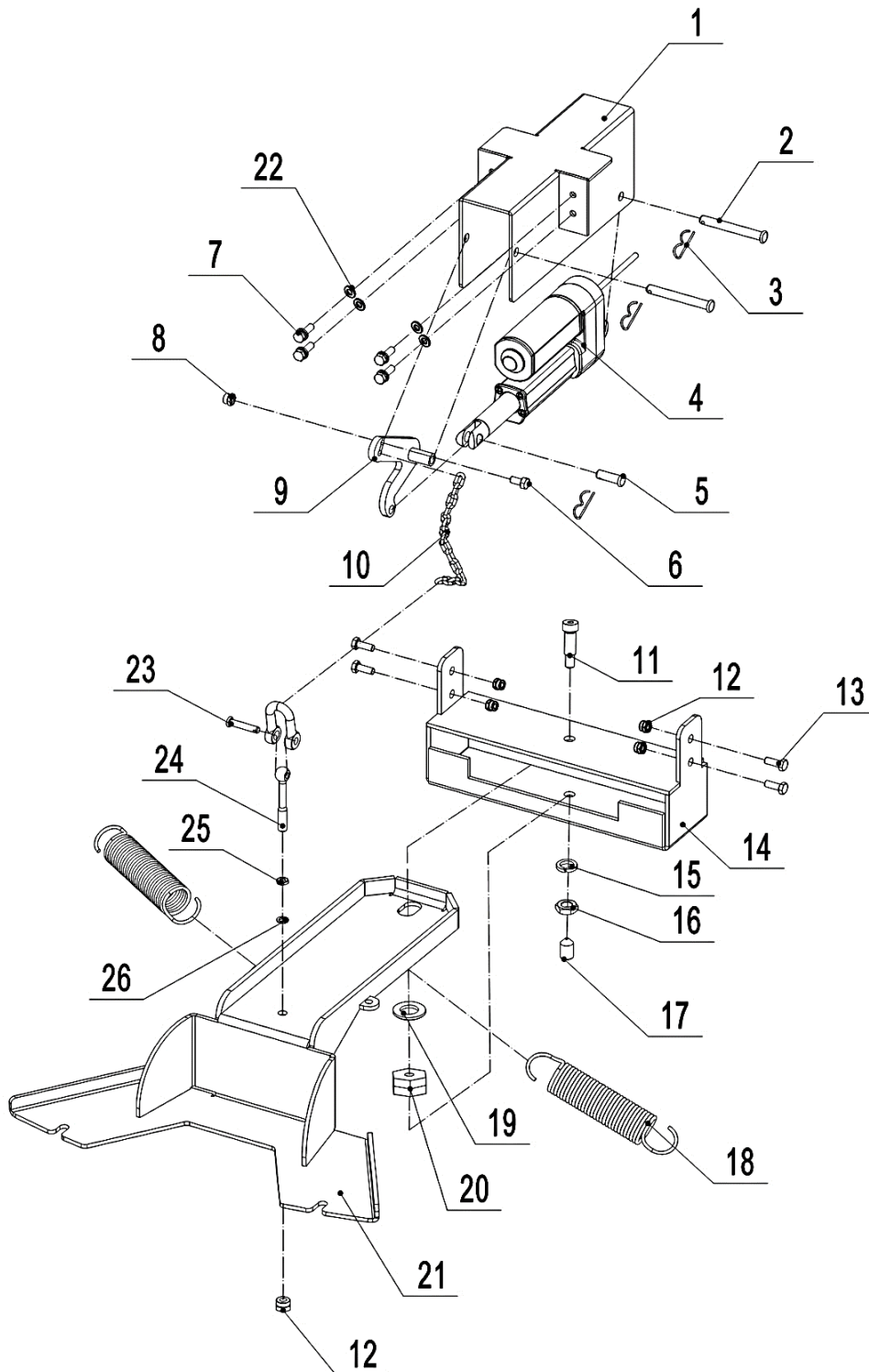
06 Baffle Plate (591346021505)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	590398520062		Nut M8	2		
2	590798520159		Bumper Wheel	2		
3	590798520044		Screw M12x25	2		
4	590798520080		Wing(Right)	1		
5	590198520065		Nut M10	2		
6	590198520143		Screw M6x20	10		
7	590798520082		Fixed Plate	1		
8	590798520076		Rubber Strip	2		
9	590798520130		Right Batten	1		
10	590198520067		Nut M6	10		
11	590198520066		Nut M8	4		
12	591398520023		Steel Bushing	4		
13	590798520081		Fixed Plate	1		
14	591398520024		Washer	8		
15	590798520079		Wing(Left)	1		
16	590198520109		Gasket	6		
17	590198520100		Screw M8x25	4		
18	590798520043		Tension Spring	2		
19	590798520083		Left Batten	1		
20	590798520160		Spacer Bush	2		
21	590198520117		Washer	2		
22	590198520145		Screw M8x30	2		

07 Waterway Component (591346021506)**591346021506**

07 Waterway Component (591346021506)

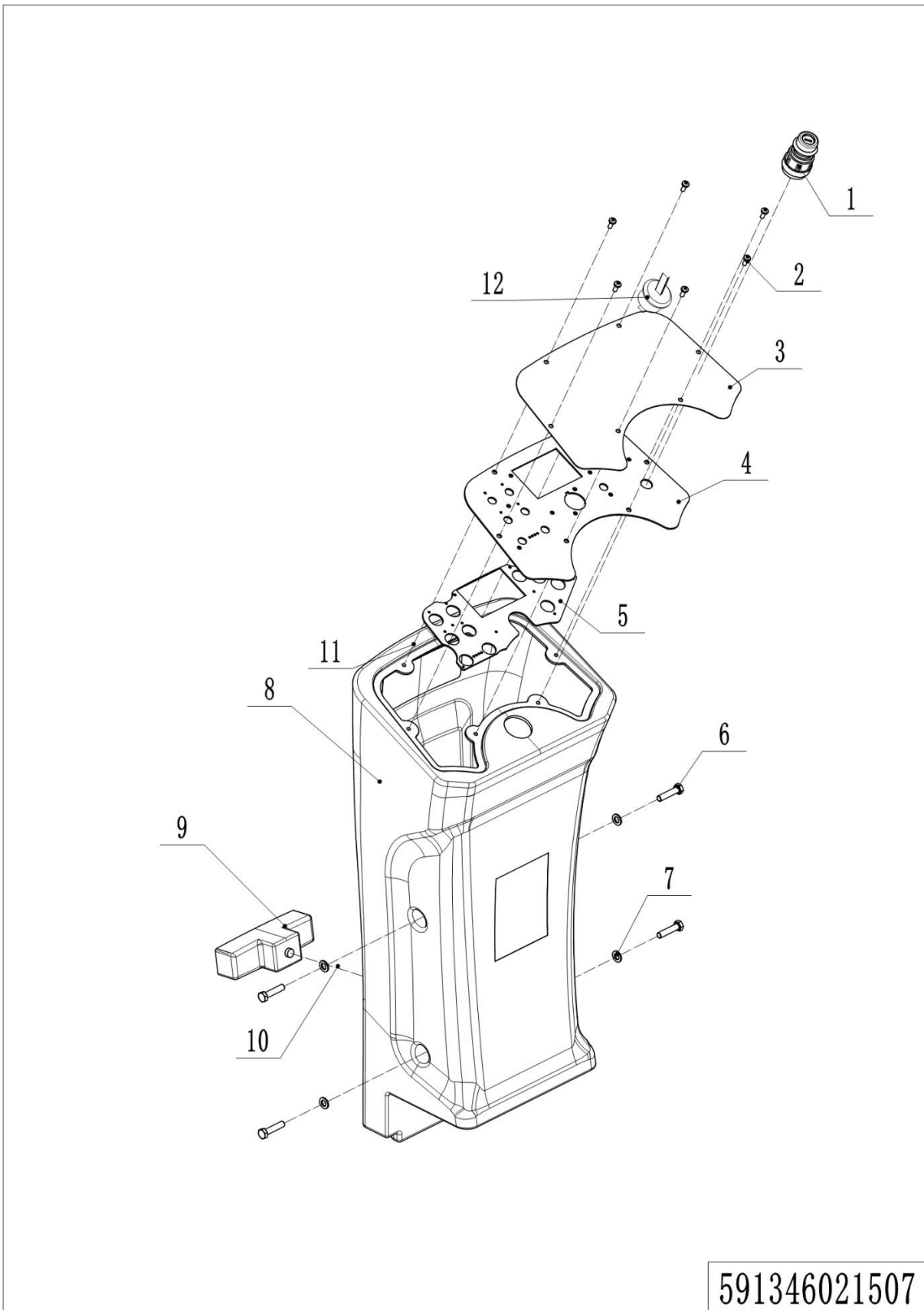
No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	590798520262		Water Pipe	1		0. 84m
2	590198520096		Hoop	4		
3	590498520200		Connectors	2		
4	590498520135		T-connector	1		
5	590498520018		Connectors	1		
6	591398520215		Water Pipe	1		0. 68m
7	590498520076		Hoop	4		
8	590498510007		Solenoid Valve	1		
9	590498520019		Right-angle Joint	1		
10	590498520080		Valve	1		

08 Squeegee Bracket (591346017002)

591346017002

08 Squeegee Bracket (591346017002)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	591398520025		Fixed Sheet Metal	1		
2	590498520068		Pin Shaft 8x55	2		
3	590198520180		Pin	3		
4	590798510002		Push Motor	1		
5	590798520056		Pin Shaft 8x25	1		
6	590198520084		Screw M6x20	1		
7	590198520142		Screw M6x16	4		
8	590198520067		Nut M6	1		
9	591398520031		Push Rod Linkage	1		
10	590498520128		Chain	1		0.3m
11	590198520112		Screw M12x30	1		
12	590198520066		Nut M8	4		
13	590198520069		Screw M8x20	4		
14	591398520032		Squeegee Holder	1		
15	590198520111		Spring Washer	1		
16	590498520074		Nut M12	1		
17	591398520033		Screw M12x25	1		
18	590798520047		Tension Spring	2		
19	590198520028		Nylon Washer	1		
20	591398520034		Adjusting Block	1		
21	591398520035		Fixed Bracket	1		
22	590198520079		Gasket	1		
23	590498520121		Shackle M6	1		
24	590398520089		Screw M8x45	2		
25	590198520122		Nut M8	1		
26	590198520074		Spring Washer	4		

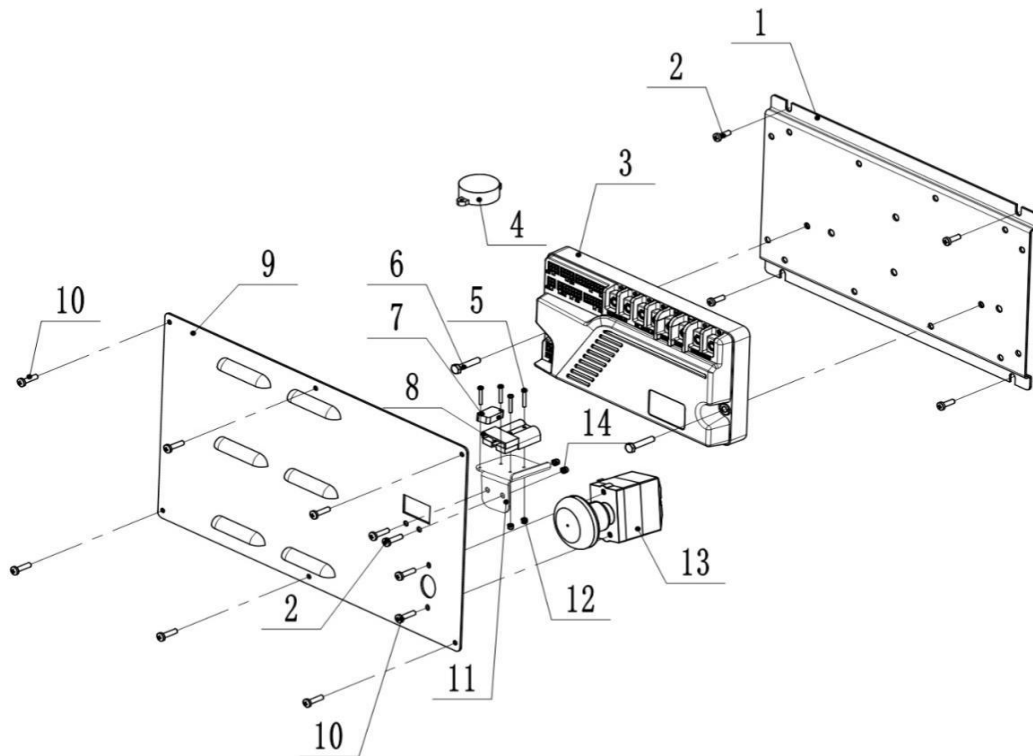
09 Front Body (591346021507)

09 Front Body (591346021507)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	590798510015		Electronic Lock	1		
1	590398520111		Key Switch	1		For Li-battery
2	590198520091		Screw M5x12	6		
3	590798520000		Label	1		
4	590798520035		Mounting Plate	1		
4	590798520149		Mounting Plate	1		For Li-battery
5	590798520150		PCB	1		
6	590498520130		Screw M8x35	4		
7	590198520109		Gasket	4		
8	591398520027		Front Cover	1		
9	590398510009		Front Light	1		
10	590198520122		Nut M8	1		
11	591398520028		Screw M3x8	11		
12	590198520217		Switch	1		

Chapter 3: Electrical Systems

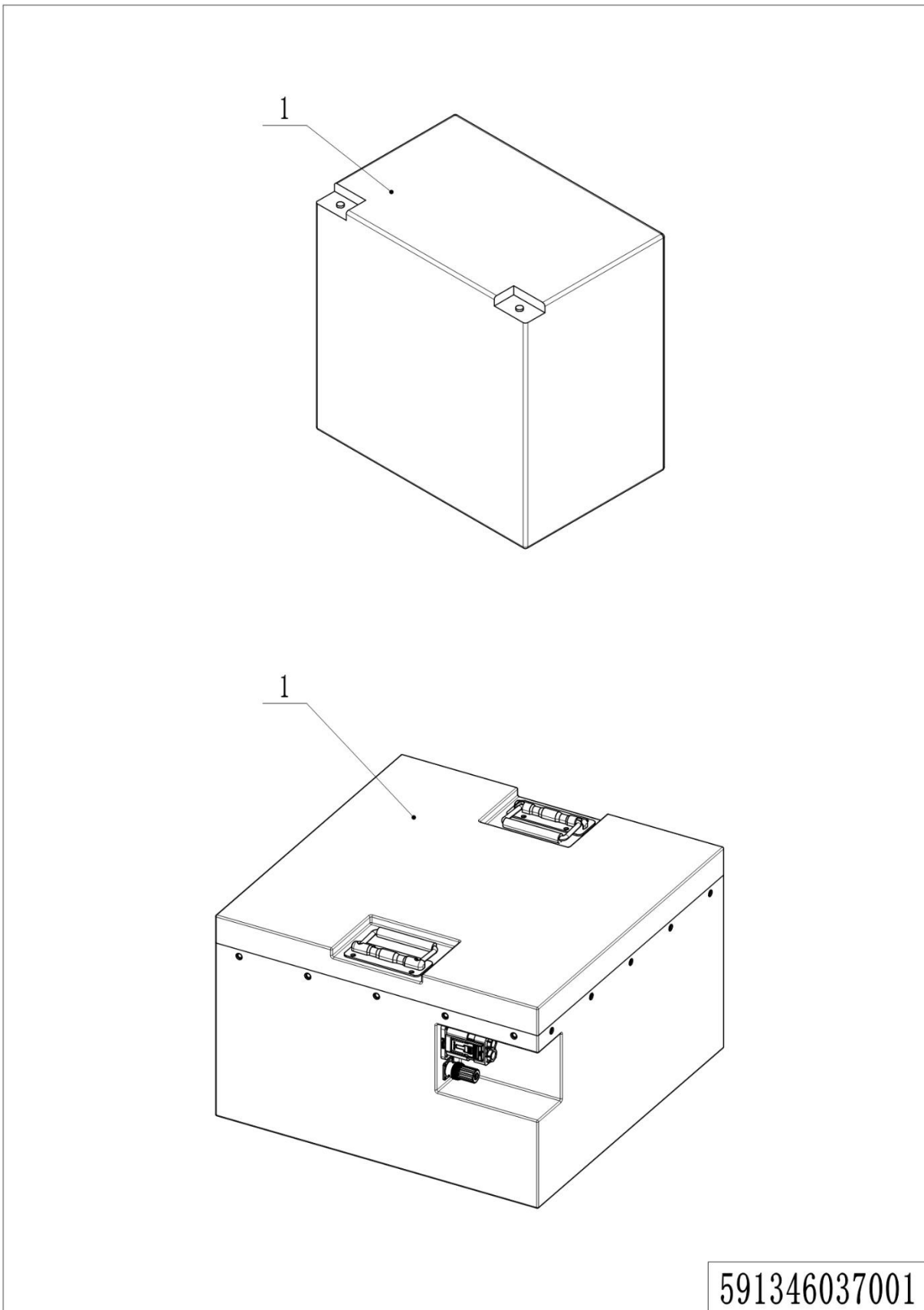
01 Electric Control (591346033001)



591346033001

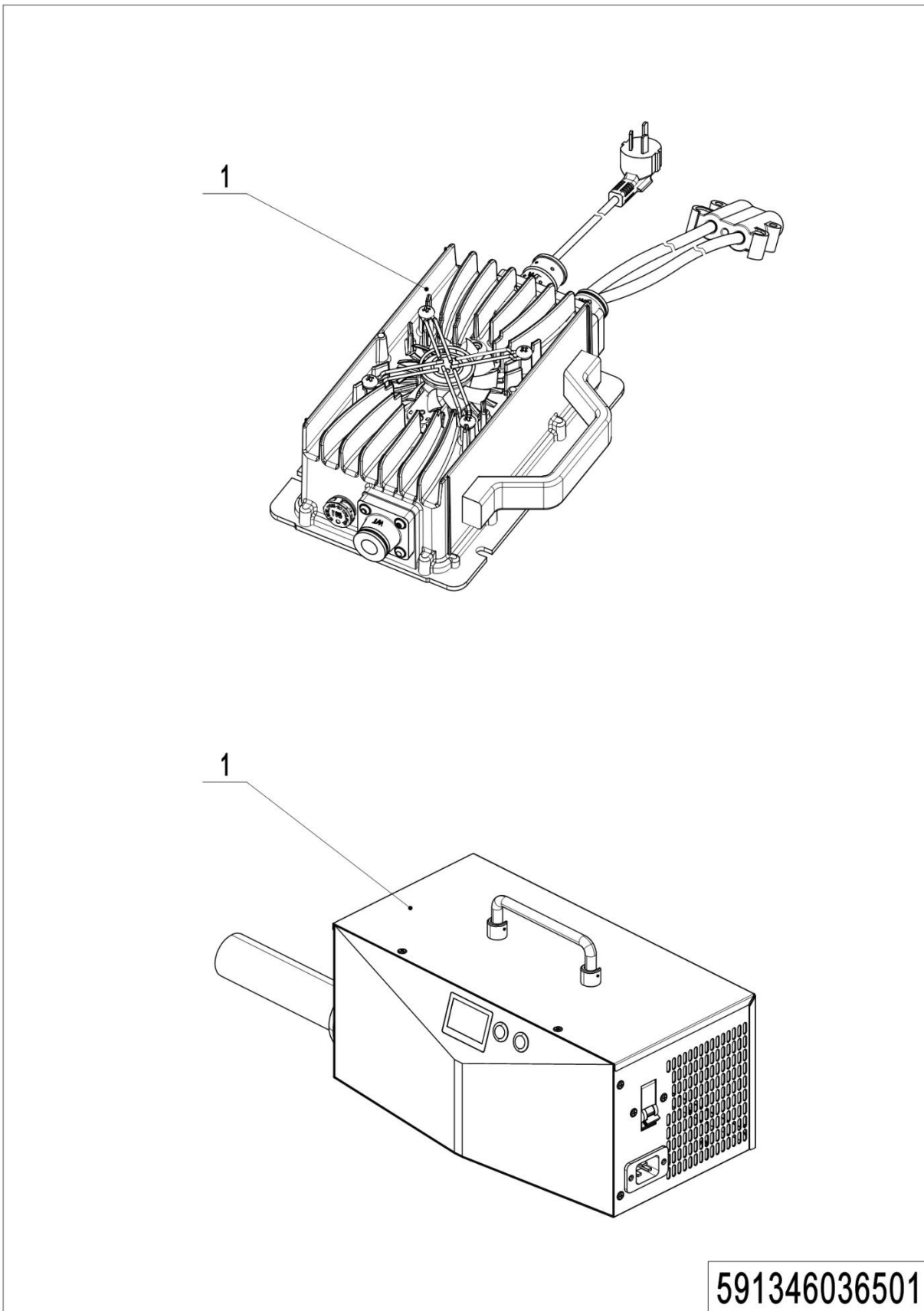
01 Electric Control (591346033001)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	590798520131		Fixed Plate	1		
2	590198520093		Screw M5x12	6		
3	591398520038		Controller	1		
4	590398520091		Buzzer	1		
5	590398520078		Screw M3x20	4		
6	590198520085		Screw M6x30	2		
7	590198520219		Microswitch	1		
8	590798510021		Wire Harness	1		
8	590798520152		Wire Harness	1		For Li-battery
9	590798520132		Electrical Close Plate	1		
9	590798520153		Electrical Close Plate	1		For Li-battery
10	590198520191		Screw M5x8	8		
11	590398520032		Fixed Sheet Metal	1		
11	590198520213		Fixed Plate	1		For Li-battery
12	590198520102		Nut M3	2		
13	590798510013		Emergency Switch	1		
14	590198520068		Nut M5	2		

02 Battery (591346037001)

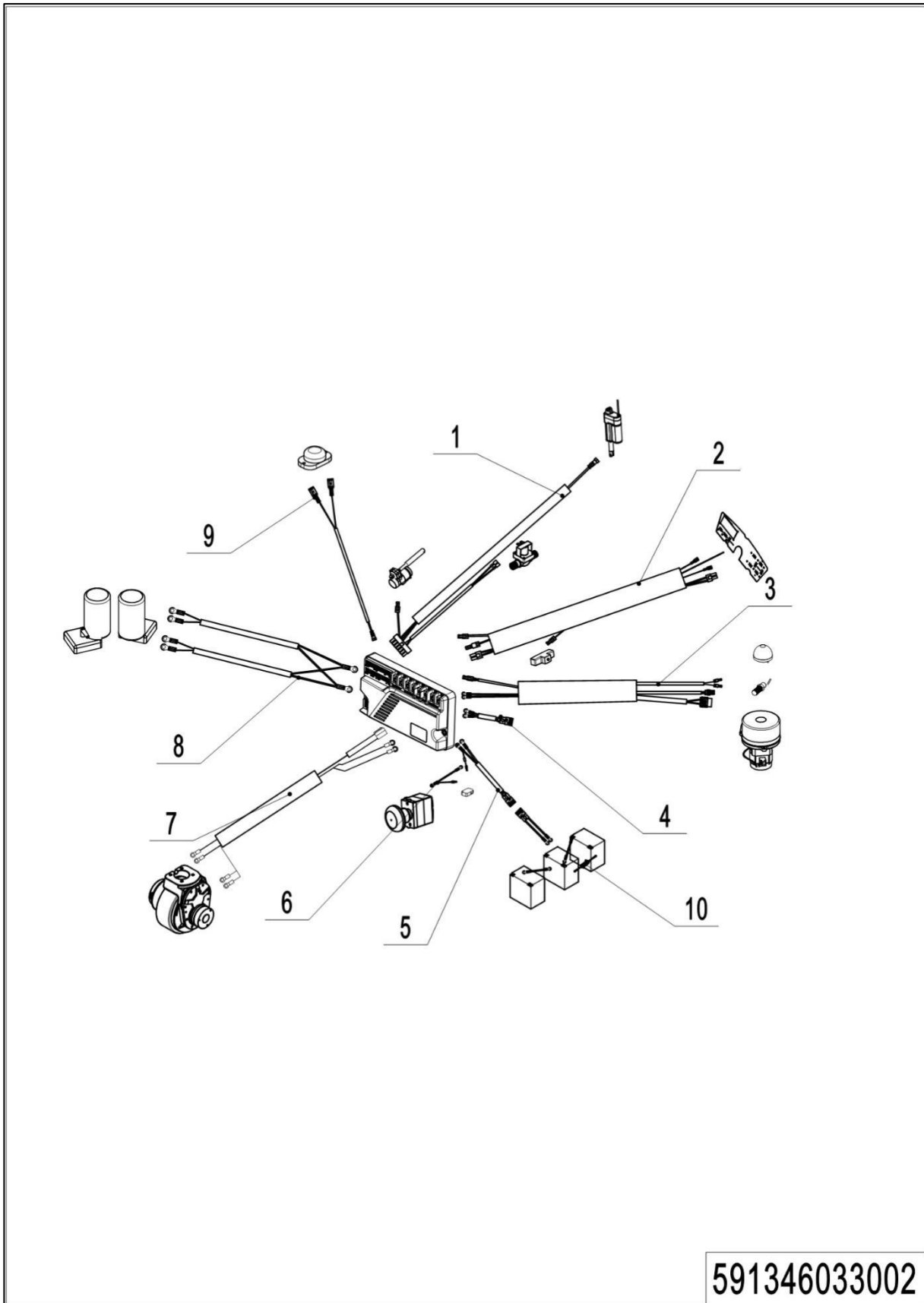
02 Battery (591346037001)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	591398520036		Battery 12V150Ah	3		
1	920600100758		Li-Battery 38.4V205Ah	1		For Li-battery

03 Charger (591346036501)

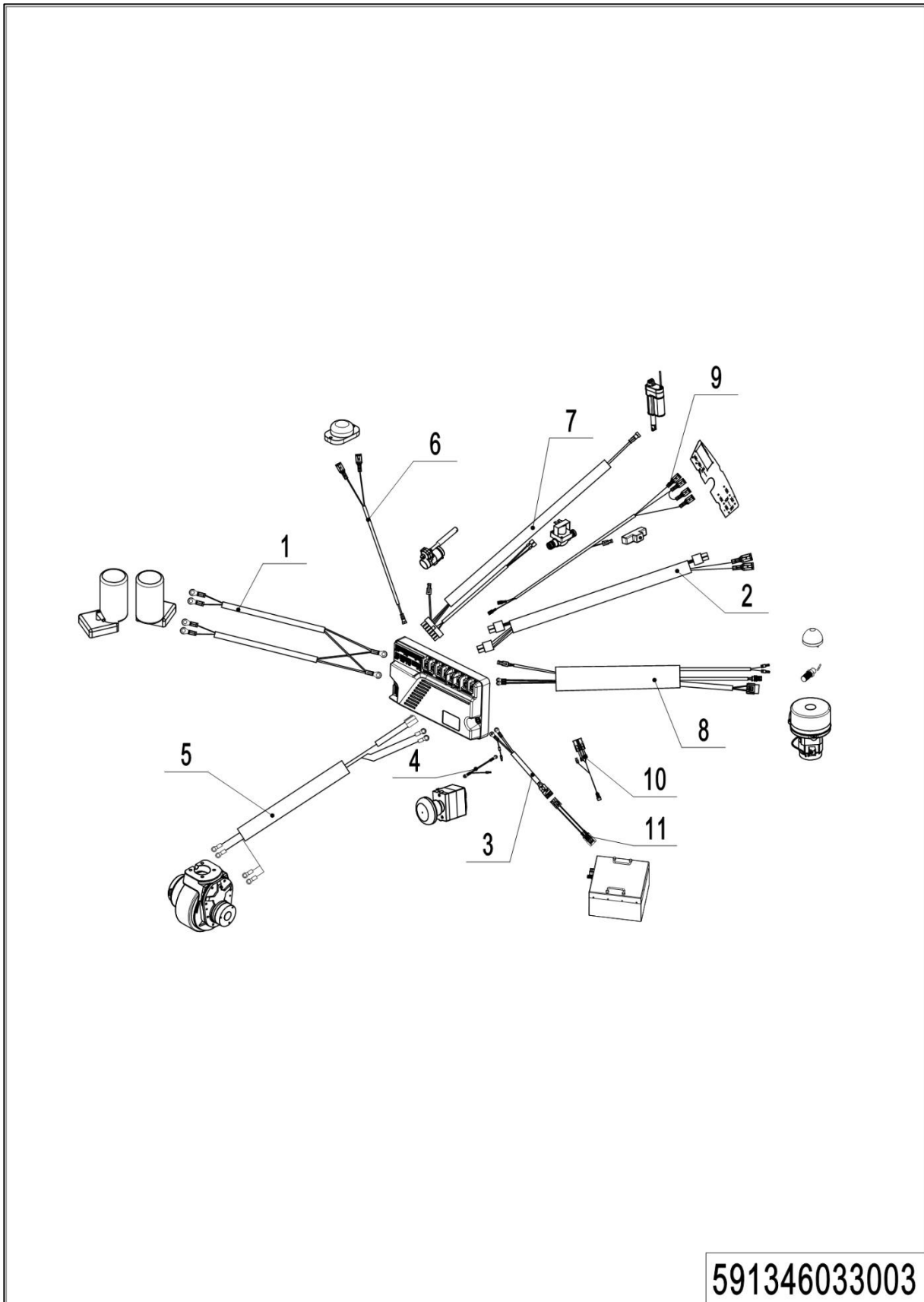
03 Charger (591346036501)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	590798520101		Charger 36V25A(Asia)	1		
1	590798520102		Charger 36V25A(ENG)	1		
1	590798520103		Charger 36V25A(USA)	1		
1	590798520104		Charger 36V25A(EU)	1		
1	590798520105		Charger 36V25A(AUS)	1		
1	590798520106		Charger 36V25A(ITA)	1		
1	590798520107		Charger 36V25A(CH)	1		
1	590798520108		Charger 36V25A(ISR)	1		
1	590798520109		Charger 36V25A(BRA)	1		
1	921000201223		Li-Charger 36V25A(Asia)	1		Single-phase100-240V
1	921000201170		Li-Charger 36V25A(USA)	1		Single-phase100-240V
1	921000201172		Li-Charger 36V25A(EU)	1		Single-phase100-240V
1	921000201224		Li-Charger 36V25A(ENG)	1		Single-phase100-240V
1	921000201225		Li-Charger 36V25A(AUS)	1		Single-phase100-240V
1	921000201226		Li-Charger 36V25A(ITA)	1		Single-phase100-240V
1	921000201227		Li-Charger 36V25A(CH)	1		Single-phase100-240V
1	921000201228		Li-Charger 36V25A(ISR)	1		Single-phase100-240V
1	921000201229		Li-Charger 36V25A(BRA)	1		Single-phase100-240V
1	921000201157		Li-Charger 36V60A(Asia)	1		Single-phase220V
1	921000201142		Li-Charger 36V30A(USA)	1		Single-phase110V
1	921000201158		Li-Charger 36V60A(AUS)	1		Single-phase220V
1	921000201159		Li-Charger 36V60A(ENG)	1		Single-phase220V
1	921000201161		Li-Charger 36V60A(ITA)	1		Single-phase220V
1	921000201162		Li-Charger 36V60A(CH)	1		Single-phase220V
1	921000201163		Li-Charger 36V60A(ISR)	1		Single-phase220V
1	921000201164		Li-Charger 36V60A(BRA)	1		Single-phase220V

04 Wire Harness (Lead-acid battery) (591346033002)

04 Wire Harness (Lead-acid battery) (591346033002)

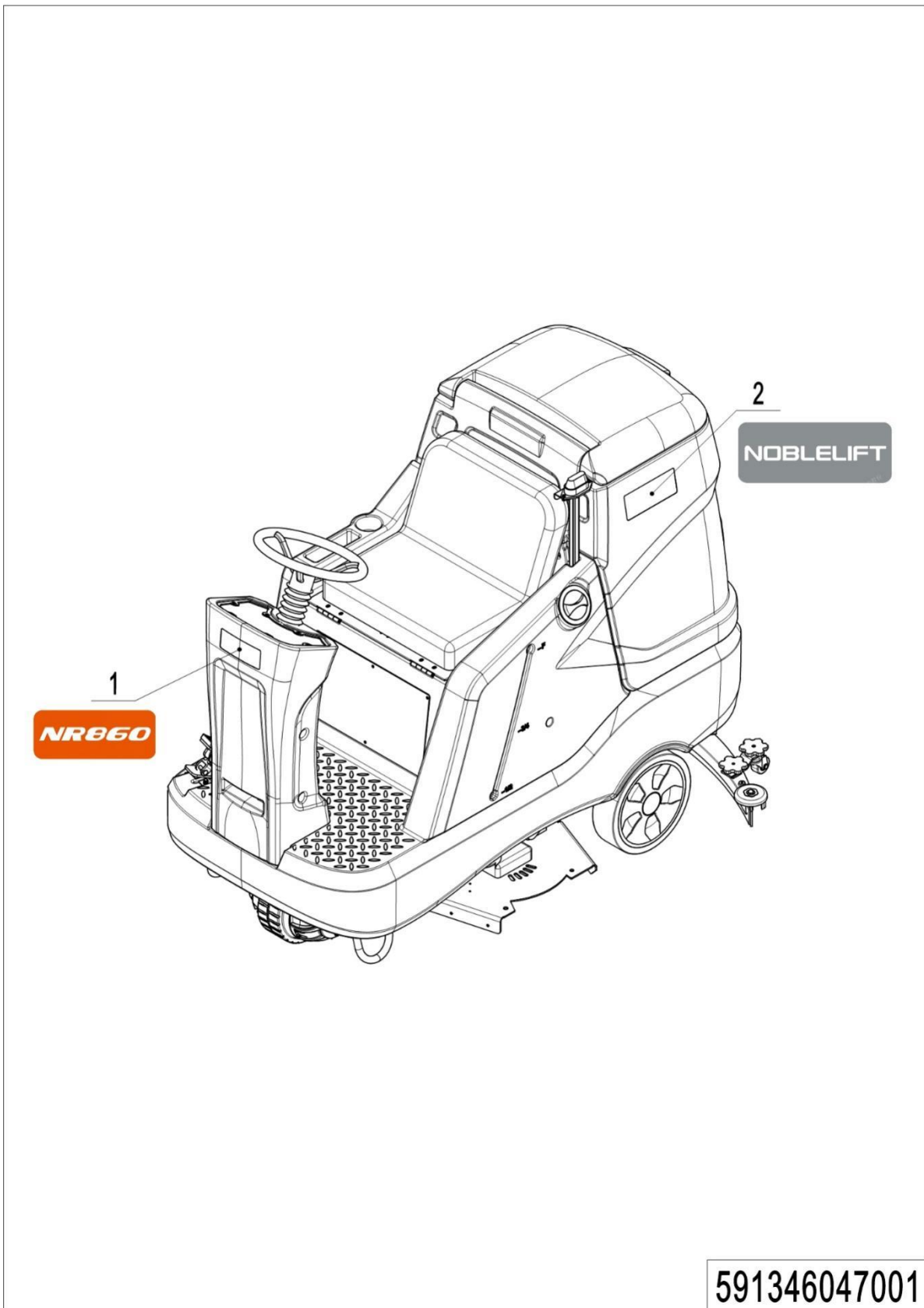
No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	590798520143		Wire Harness	1		
2	590798520141		Connection Wire	1		
3	590798520140		Wire Harness	1		
4	590798510021		Wire Harness	1		
5	590798510020		Wire Harness	1		
6	590798520144		Wire Harness	1		
7	590798520139		Wire Harness	1		
8	590798510016		Wire Harness	1		
9	590798520142		Wire Harness	1		
10	590798520145		Wire Harness	1		

05 Wire Harness (Lithium battery) (591346033003)

1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

05 Wire Harness (Lithium battery) (591346033003)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	590798510016		Wire Harness	1		
2	590798520167		Wire Harness	1		
3	590798520168		Wire Harness	1		
4	590798520144		Wire Harness	1		
5	590798520139		Wire Harness	1		
6	590798520142		Wire Harness	1		
7	590798520143		Wire Harness	1		
8	590798520140		Wire Harness	1		
9	590798520267		Connection Wire	1		For Li-battery
10	590798520152		Wire Harness	1		
11	590798520169		Wire Harness	1		

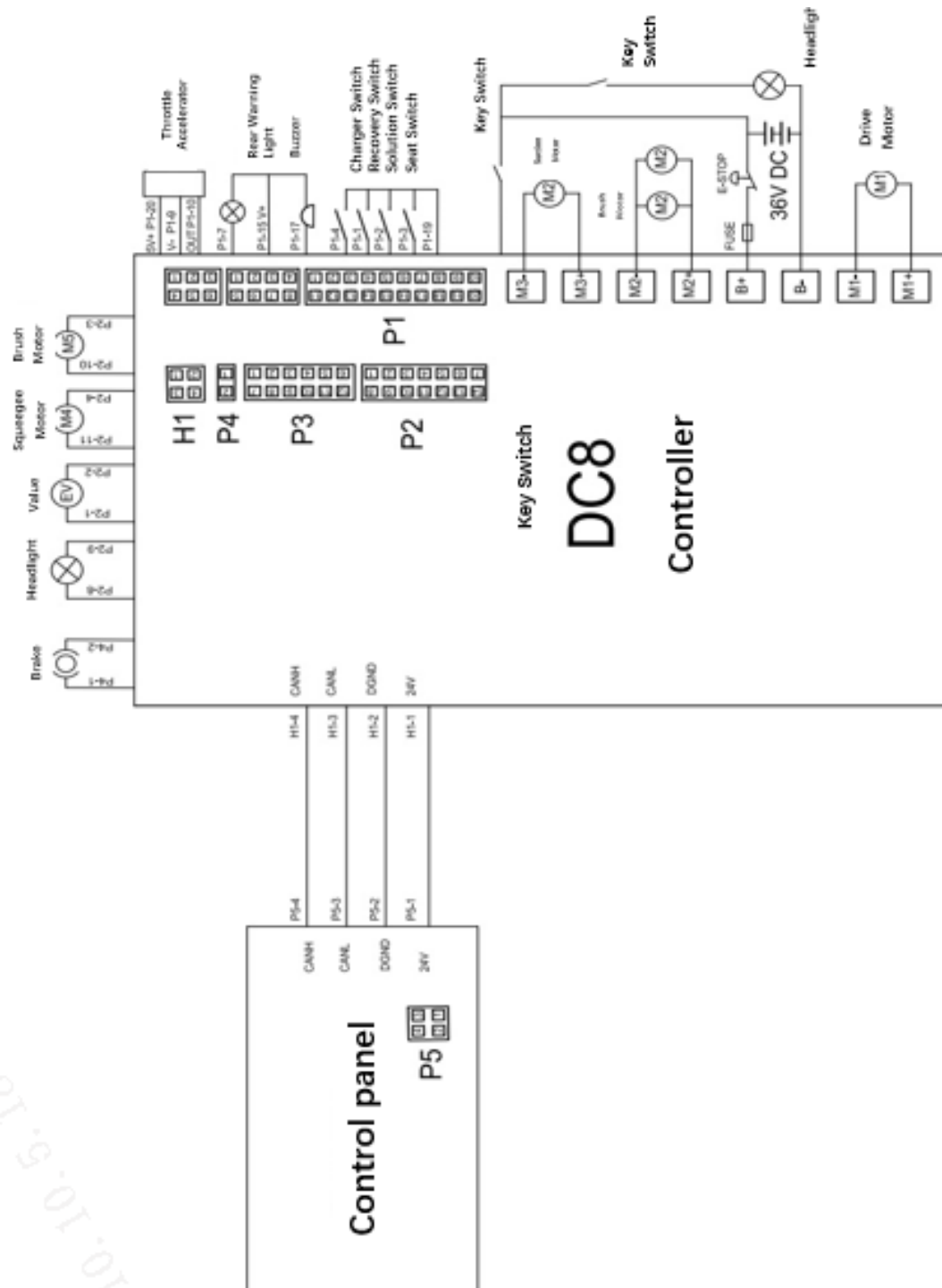
Chapter 4: Others**01 Labels (591346047001)**

01 Labels (591346047001)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	591347020000		Label(NR860)	1		
2	590747020000		Label(NOBLELIFT)	2		

Appendix

01 Electrical Schematics (590746045501)



1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

02 List Of Wear Parts

No.	Item Code	Item Description	Qty.	Chapter/ Section/ Number
1	590798520038	Seat	1	Chapter02 /01/01
2	590798510004	Accelerator	1	Chapter02 /01/06
3	591398520006	Warning Light	1	Chapter02 /01/10
4	590798520004	Filter	1	Chapter02 /01/21
5	591398520261	Sealing Strip	1.85m	Chapter02 /02/02
6	590798510003	Vacuum Motor	1	Chapter02 /02/07
7	591398520014	Drain Hose	1	Chapter02 /02/15
8	591398520013	Suction Pipe	1	Chapter02 /02/16
9	590798520039	Steering Wheel	1	Chapter02 /03/01
10	590798520014	Rear Wheel	2	Chapter02 /03/14
11	590798510005	Brush Motor	2	Chapter02 /04/02
12	591398520021	Push Motor	1	Chapter02 /04/26
13	590498520096	Bumper Wheel	2	Chapter02 /05/07
14	590498510012	Squeegee	1	Chapter02 /05/20
15	590798520013	Bumper Wheel	2	Chapter02 /06/02
16	590798520076	Rubber Strip	2	Chapter02 /06/08
17	590498510007	Solenoid Valve	1	Chapter02 /07/08
18	590798510002	Push Motor	1	Chapter02 /08/04
19	590798510015	Electronic Lock	1	Chapter02 /09/01
20	590398510009	Front Light	1	Chapter02 /09/09
21	590798510013	Emergency Switch	1	Chapter03 /01/13

03 List Of Consumables

No.	Item Code	Item Description	Qty.	Chapter/ Section/ Number
1	590798520074	16" Brush	2	Chapter02 /04/34
	590798520075	16" Needle Disk	2	Chapter02 /04/34
	590798520112	16" Brush(Soft)	2	Chapter02 /04/34
	590798520113	16" Brush(Hard)	2	Chapter02 /04/34
2	590498520094	Rear Blade	1	Chapter02 /05/02
	590498520116	Rear Blade(NR)	1	Chapter02 /05/02
	590498520117	Rear Blade(PU)	1	Chapter02 /05/02
3	590498520090	Front Blade	1	Chapter02 /05/18
	590498520114	Front Blade(NR)	1	Chapter02 /05/18
	590498520115	Front Blade(PU)	1	Chapter02 /05/18
4	590798520076	Rubber Strip	2	Chapter02 /06/08