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Ride-on scrubber

NR530

Parts Manual

590346020112

Version V12

Scrubber Identification Number From:

Parts Manual NR530-PM12EN

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.

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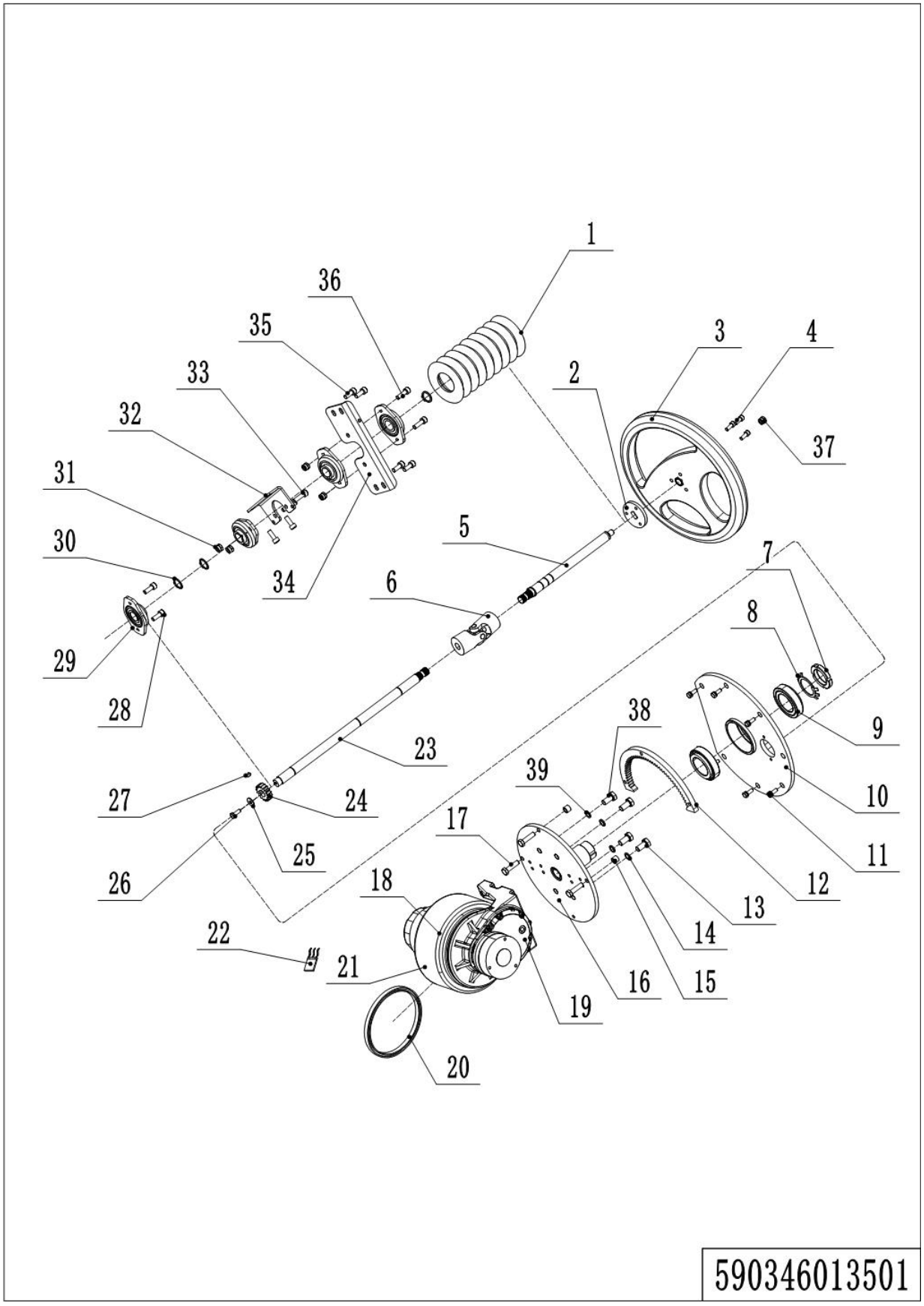
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1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

Chapter 1: Drive system

01 Drive unit (590346013501)

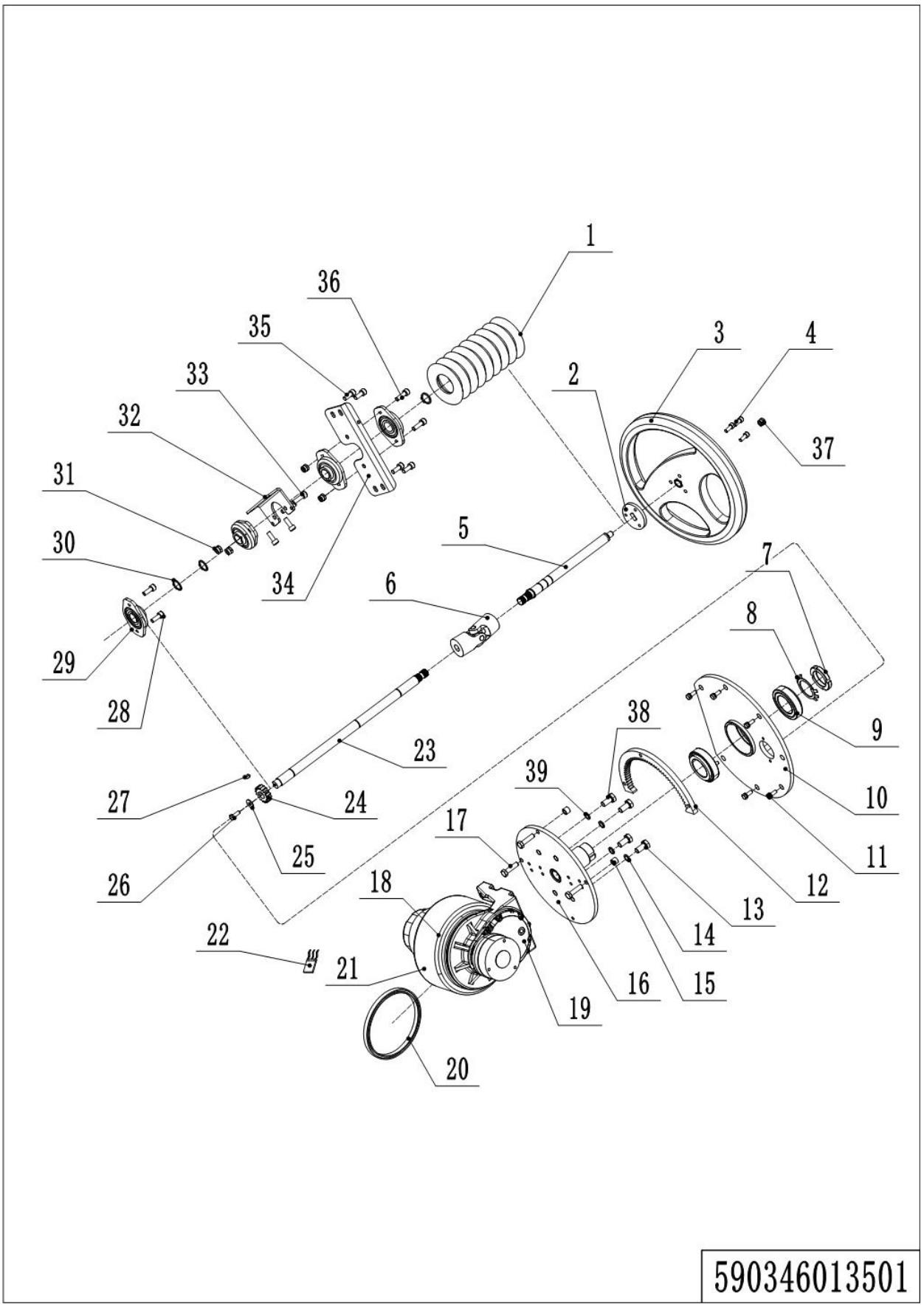


1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

01 Drive unit (590346013501)

No.	Item Code	Ma	Item Description	Qty.	Substitute	Note
1	590398520041		Protective Cover	1		
2	590398520039		Fixed Sheet Metal	1		
3	590398520042		Steering Wheel	1		
4	590398520056		Screw M6x10	3		
5	590398520034		Upper Shaft	1		
6	590398520077		Universal Joint	1		
7	590398520065		Nut M36	1		
8	590398520054		Gasket Ø36	1		
9	590398520075		Bearing	2		
10	590398520018		Mounting Plate	1		
11	590198520069		Screw M8x20	6		
12	590498520042		Ring Gear	1		
13	590198520126		Screw M10x25	2		
14	590198520073		Spring Washer	2		
15	590398520072		Spacer Bush	3		
16	590398520017		Mounting Plate	1		
17	590198520145		Screw M8x30	3		
18	590398510000		Drive Motor	1		
19	590398520104		Brake	1		
20	590398520130		Sealing Ring	1		
21	590398520103		Motor Pulley	1		
22	590398520099		Carbon Brush	1		
23	590398520033		Lower Shaft	1		
24	590398520037		Gear	1		
25	590398520051		Gasket D6x20x2	1		
26	590398520055		Screw M6x12	1		
27	590398520076		Key	1		
28	590398520048		Screw M6x20	2		
29	590398520067		Bearing Base	4		
30	590398520061		Circlip	4		

01 Drive unit (590346013501) (Continuation)



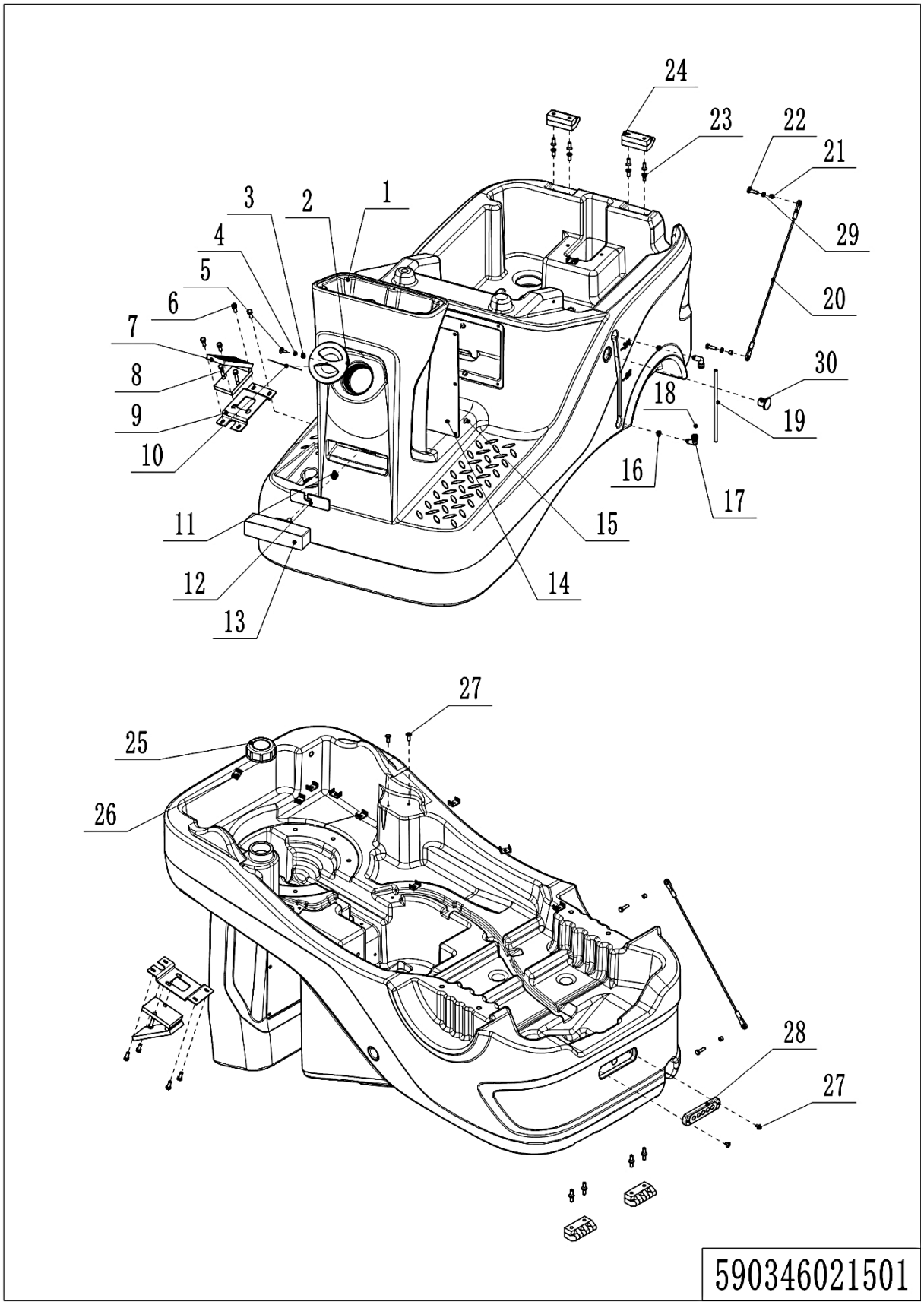
1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

01 Drive unit (590346013501) (Continuation)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
31	590198520067		Nut M6	4		
32	590398520019		Sheet Metal	1		
33	590198520083		Screw M6x16	2		
34	590398520021		Sheet Metal	1		
35	590198520142		Screw M6x16	6		
36	590198520085		Screw M6x30	2		
37	590198520065		Nut M10	1		
38	590198520181		Screw M10x30	2		
39	590198520081		Gasket	2		

Chapter 2：Truck Frame

01 Solution tank (590346021501)

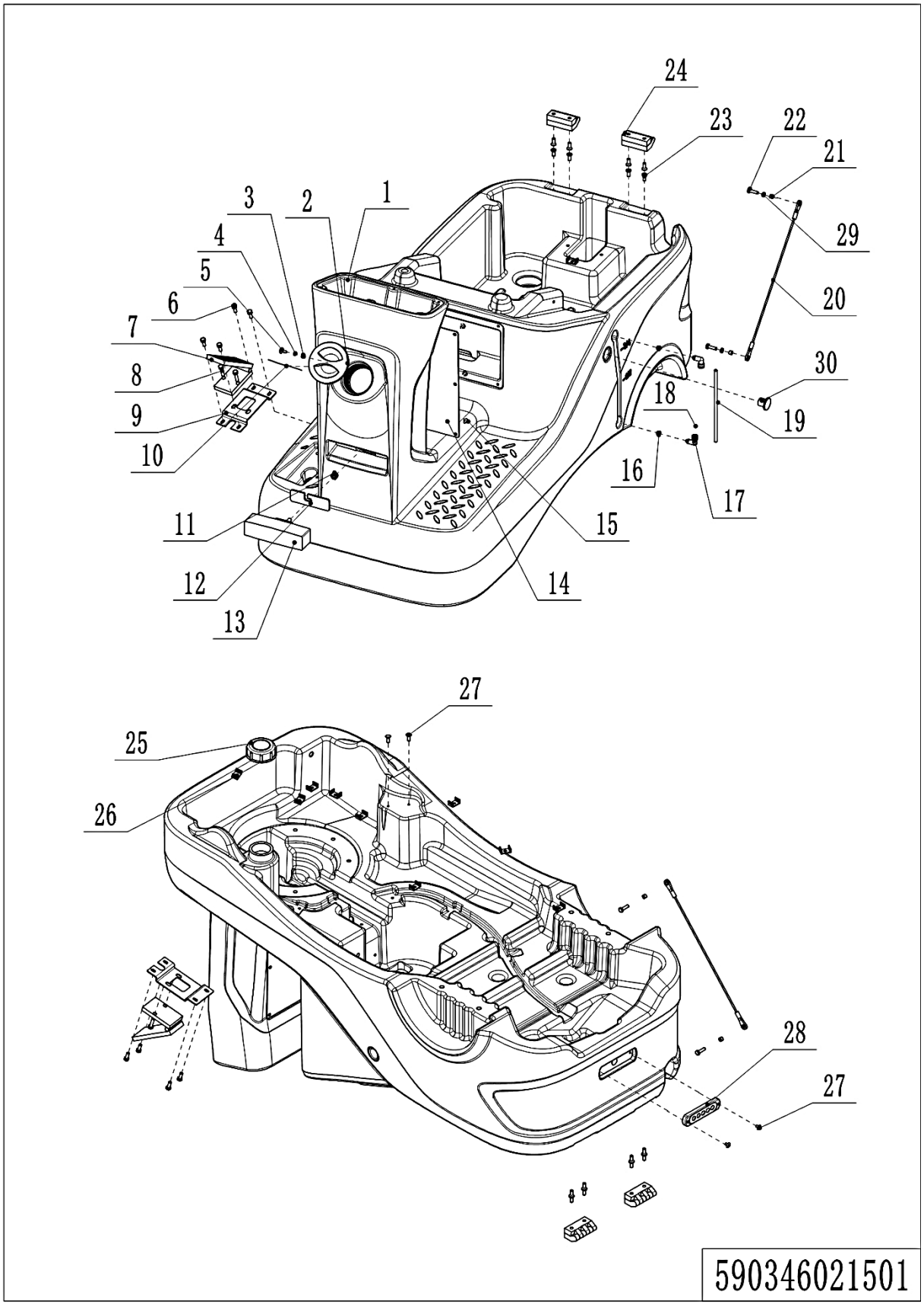


1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

01 Solution tank (590346021501)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	590398520006		Solution Tank	1		
2	590398520007		Water Filling Cap	1		
3	590198520102		Nut M3	1		
4	590198520079		Gasket	1		
5	590398520078		Screw M3x20	1		
6	590198520142		Screw M6x16	4		
7	590398510006		Accelerator	1		
7	590398520107		Accelerator	1		For Li-battery
8	590198520142		Screw M6x16	2		
8	590198520104		Screw M8x16	2		For Li-battery
9	590398520022		Sheet Metal	1		
9	590398520108		Fixed Plate	1		For Li-battery
10	590398520106		Torsional Spring	1		
11	590198520122		Nut M8	1		
12	590398520030		Fixed Plate	1		
13	590398510009		Front Light	1		
14	590398520029		Close Plate	1		
15	590198520191		Screw M5x8	6		
16	590198520136		Rubber Plug	2		
17	590198520128		Right-angle Joint	2		
18	590198520130		Floating Ball	1		
19	590398520239		Hose	1		0.22m
20	590398520073		Rope	1		
21	590398520074		Spacer Bush	2		
22	590198520083		Screw M6x16	2		
23	590198520143		Screw M6x20	8		
24	590198520129		Hinge	2		
25	590398520008		Drain Cap	1		
26	590198520194		Ribbon Base	9		
27	590198520092		Screw M4x10	2		

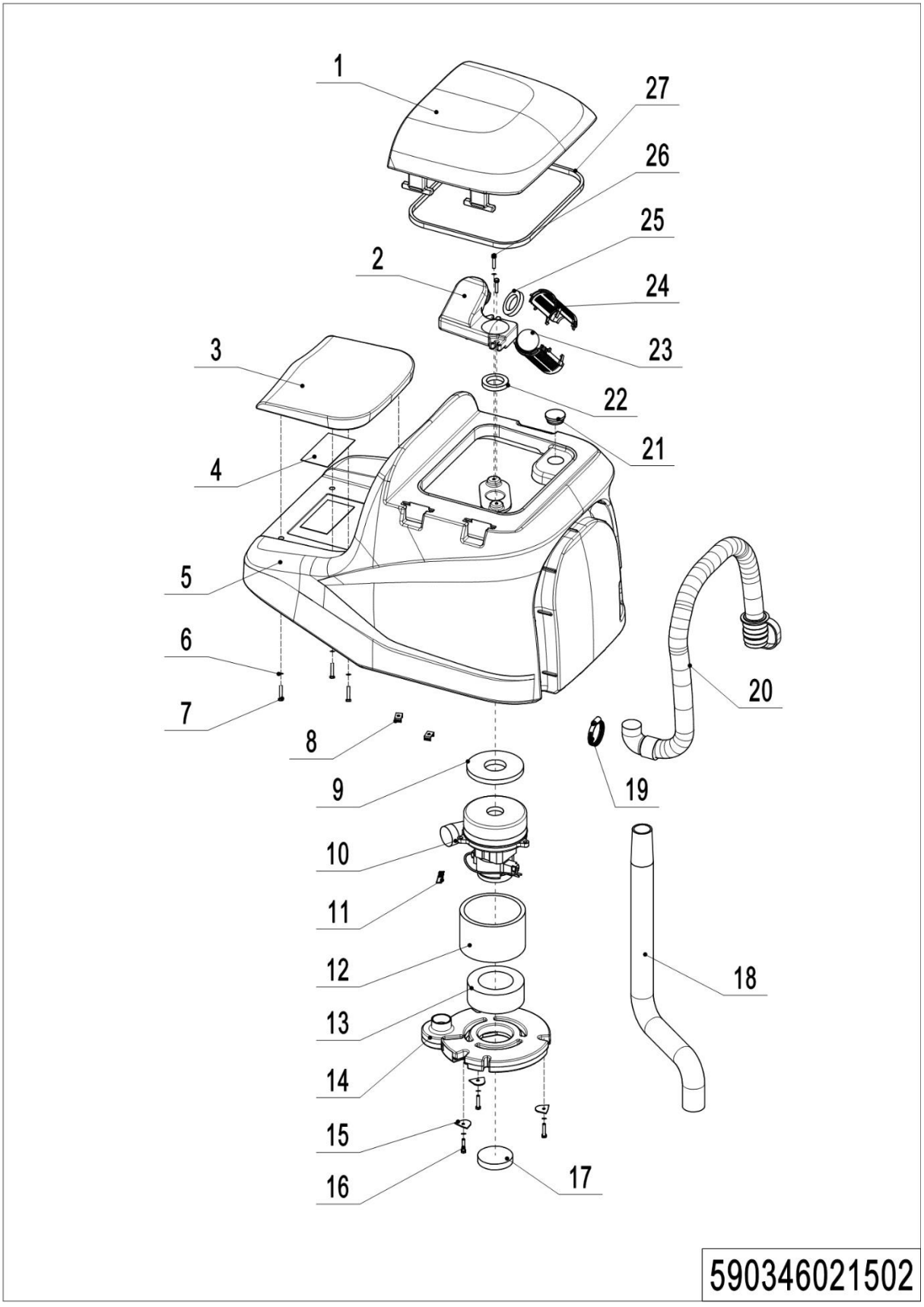
01 Solution tank (590346021501) Continuation



01 Solution tank (590346021501) Continuation

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
28	590398510010		Warning Light	1		
29	590198520079		Gasket	2		
30	590198520193		Cap	2		

02 Recovery tank (590346021502)

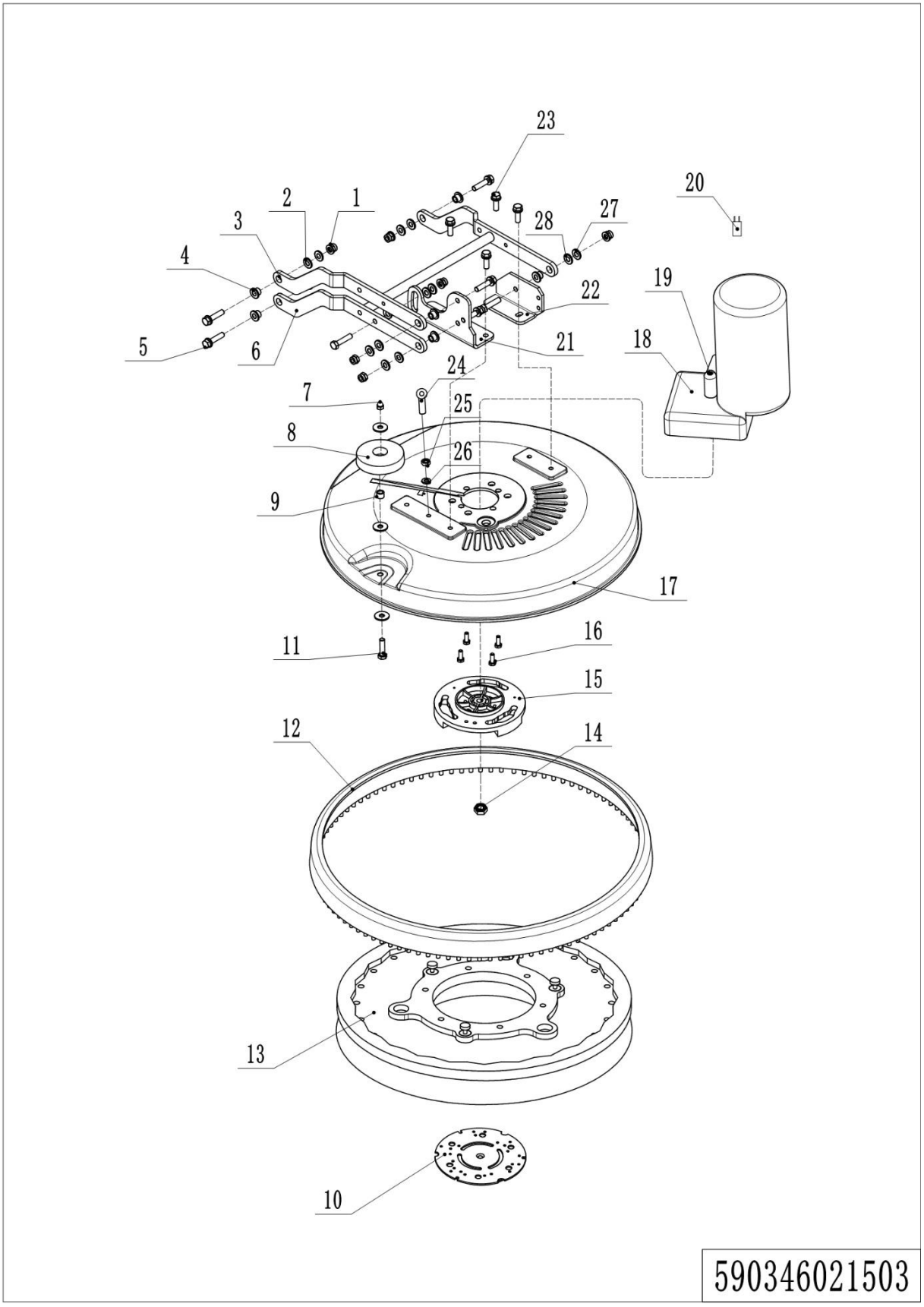


1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

02 Recovery tank (590346021502)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	590398520010		Recovery Tank Cap	1		
2	590198520013		Floating Ball Cage Bracket	1		
3	590398520043		Seat Pad	1		
4	590498520136		Seat Switch	1		
5	590398520009		Recovery Tank	1		
6	590198520079		Gasket	9		
7	590198520085		Screw M6x30	4		
8	590198520095		Ribbon Base	7		
9	590198520054		Sealing Ring	1		
10	590398510007		Vacuum Motor	1		
11	590198520205		Carbon Brush	1		
12	590198520056		Silencing Foam	1		
13	590198520057		Sealing Pad	1		
14	590198520020		Motor Pressure Plate	1		
15	590198520040		Fixed Flat	3		
16	590398520084		Screw M6x35	3		
17	590198520058		Filter Foam	1		
18	590398520045		Suction Pipe	1		
19	590198520105		Hoop	1		
20	590398520046		Drain Hose	1		
21	590398520097		Cap	1		
22	590198520059		Sealing Pad	1		
23	590198520015		Floating Ball	1		
24	590198520014		Floating Ball Cage	2		
25	590198520224		Sealing Ring	1		
26	590198520144		Screw M6x25	2		
27	590398520261		Sealing Strip	1		1.25m

03 Brush system (590346021503)



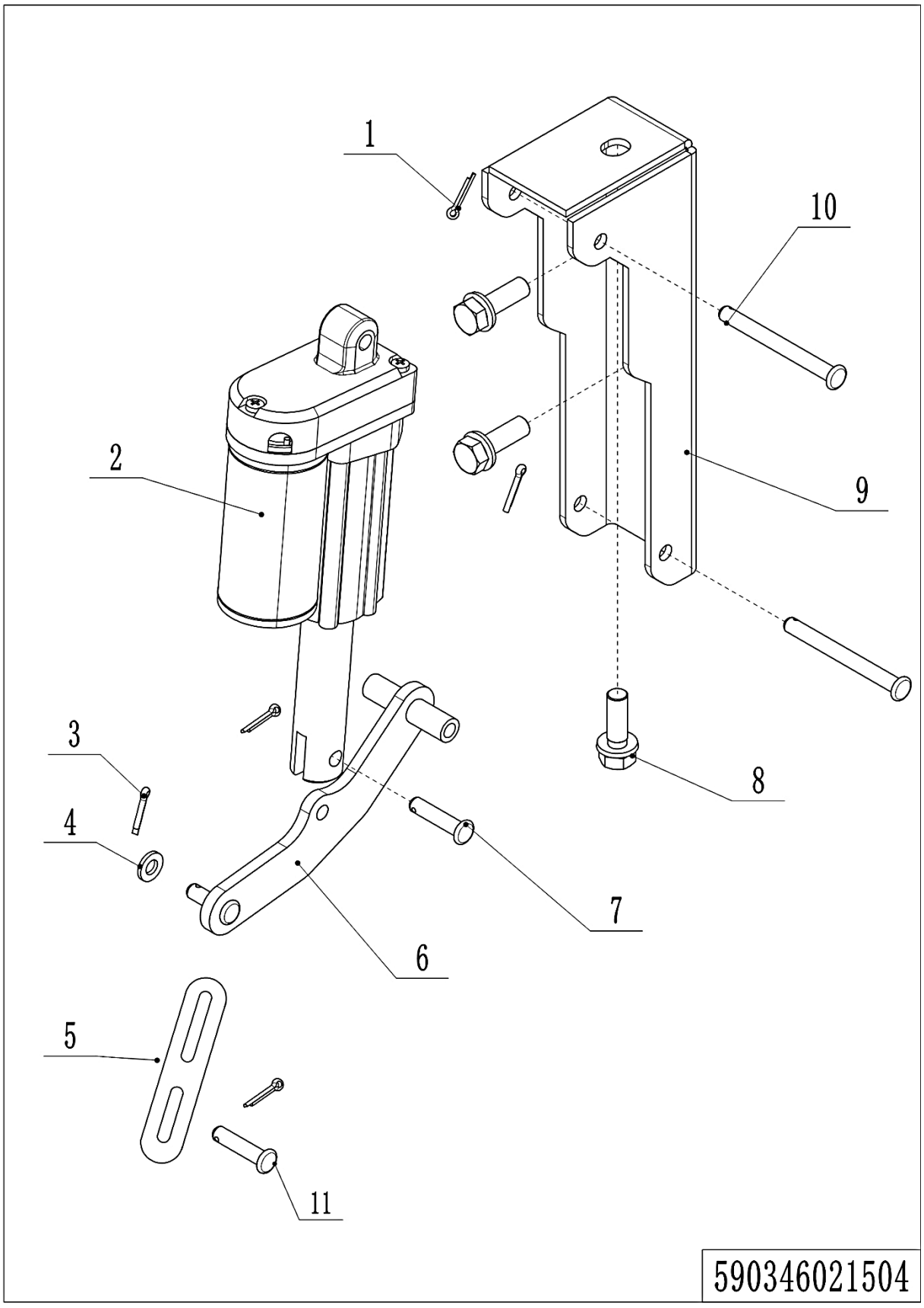
1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

03 Brush system (590346021503)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	590198520066		Nut M8	7		
2	590398520085		Gasket	3		
3	590398520016		Linkage	1		
4	590398520072		Spacer Bush	7		
5	590198520145		Screw M8x30	7		
6	590398520015		Linkage	1		
7	590398520062		Nut M8	1		
8	590198520131		Bumper Wheel	1		
9	590198520146		Spacer Bush	1		
10	590198520220		Locating buckle	2		For Needle Disk
11	590198520100		Screw M8x25	1		
12	590398520004		Water Barrier Skirt(*)	1		
13	590398520082		Brush 19”	1		
13	590398520087		Brush 19”(Soft)	1		OPTIONAL
13	590398520088		Brush 19”(Hard)	1		OPTIONAL
13	590398520083		Needle Disk 19”	1		
14	590398520064		Nut M20	1		
15	590398520020		Brush Locator Plate	1		
16	590198520142		Screw M6x16	4		
17	590398520005		Brush Cover	1		
18	590398510005		Brush Motor	1		
19	590198520204		Water Pipe	1		
20	590198520199		Carbon Brush	1		
21	590398520013		Brush Cover Bracket(Right)	1		
22	590398520012		Brush Cover Bracket(Left)	1		
23	590398520049		Screw M8x25	4		
24	590398520089		Screw M8x45	1		
25	590198520122		Nut M8	1		
26	590198520074		Spring Washer	1		
27	590198520109		Gasket	6		
28	590198520028		Nylon Washer	4		

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

04 Front electric motor assembly (590346021504)

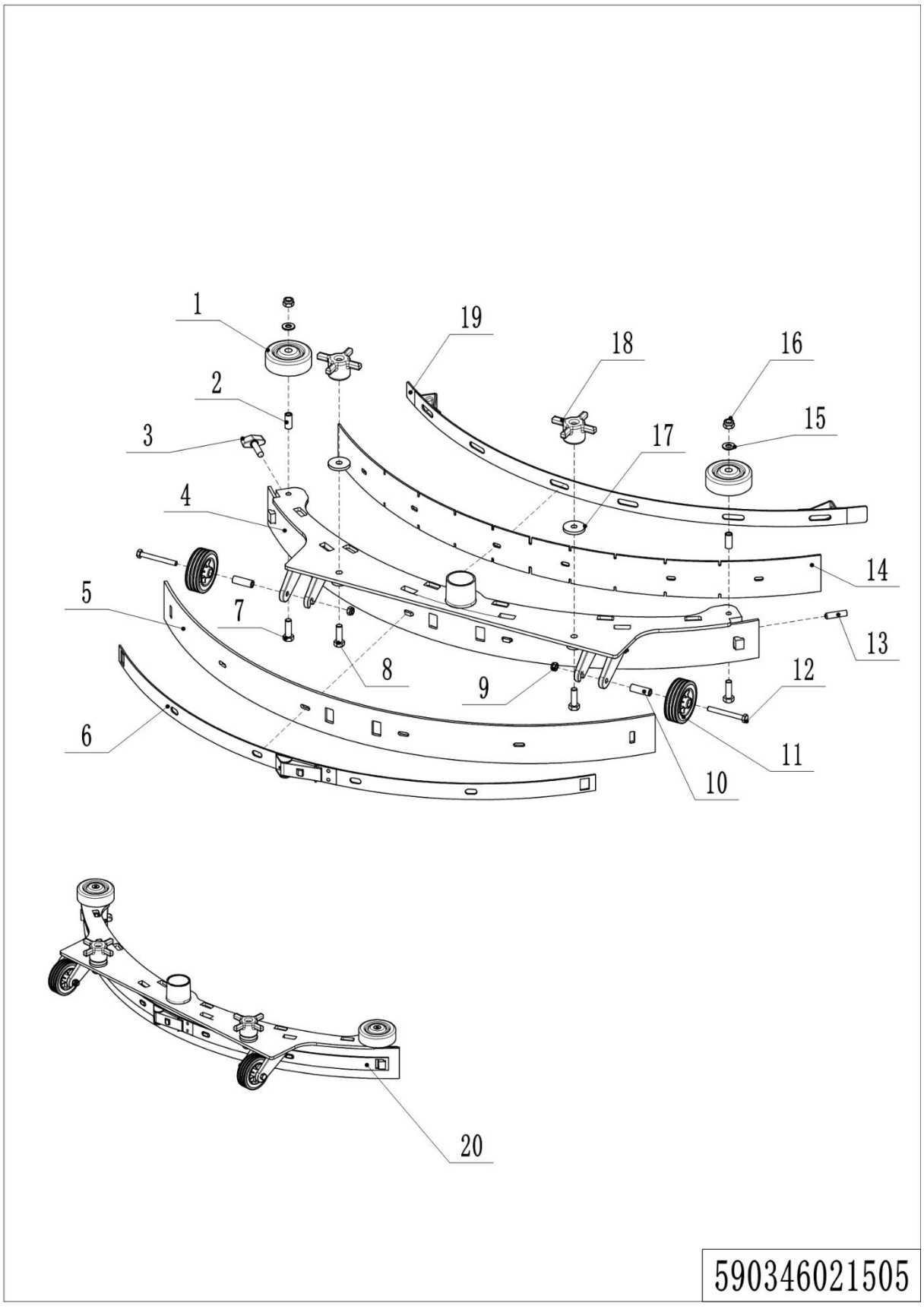


1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

04 Front electric motor assembly (590346021504)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	590398520069		Pin Ø2	3		
2	590398510002		Push Motor	1		
3	590998520005		Pin	1		
4	590198520079		Gasket	1		
5	590398520105		Connection Sheet Metal	1		
6	590398520024		Sheet Metal	1		
7	590398520059		Pin Shaft	1		
8	590398520057		Screw M8x16	3		
9	590398520023		Mounting Plate	1		
10	590398520060		Pin Shaft	2		
11	590398520124		Pin	1		

05 Squeegee system (590346021505)

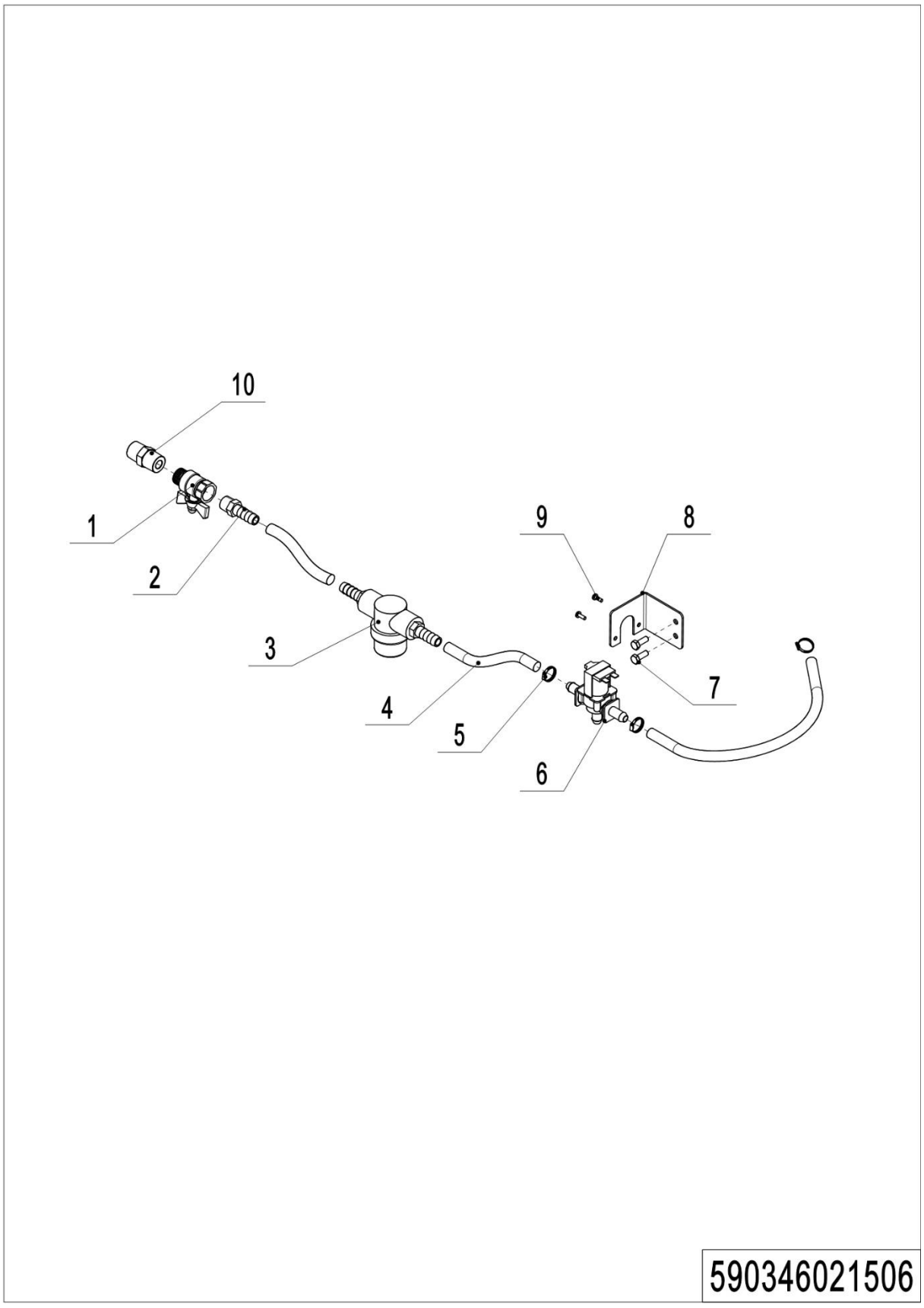


1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

05 Squeegee system (590346021505)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	590198520131		Bumper Wheel	2		
2	590198520146		Spacer Bush	2		
3	590198520148		Screw M8x30	1		
4	590198520127		Squeegee Blade	1		
5	590198520138		Rear Blade	1		
5	590198520160		Rear Blade(NR)	1		OPTIONAL
5	590198520164		Rear Blade(PU)	1		OPTIONAL
6	590198520200		Rear Batten	1		
7	590198520100		Screw M8x25	2		
8	590198520150		Screw M8x35	2		
9	590198520067		Nut M6	2		
10	590198520152		Spacer Bush	2		
11	590198520133		Wheel	2		
12	590198520151		Screw M6x55	2		
13	590198520149		Screw M8x35	1		
14	590198520137		Front Blade	1		
14	590198520161		Front Blade(NR)	1		OPTIONAL
14	590198520165		Front Blade(PU)	1		OPTIONAL
15	590198520117		Washer	2		
16	590198520066		Nut M8	2		
17	590198520053		Gasket	2		
18	590198520132		Knob	2		
19	590198520135		Front Batten	1		
20	590398520125		Squeegee Kit	1		Without Blades
20	590398520131		Squeegee Kit	1		With Red Blades

06 Solution assembly (590346021506)

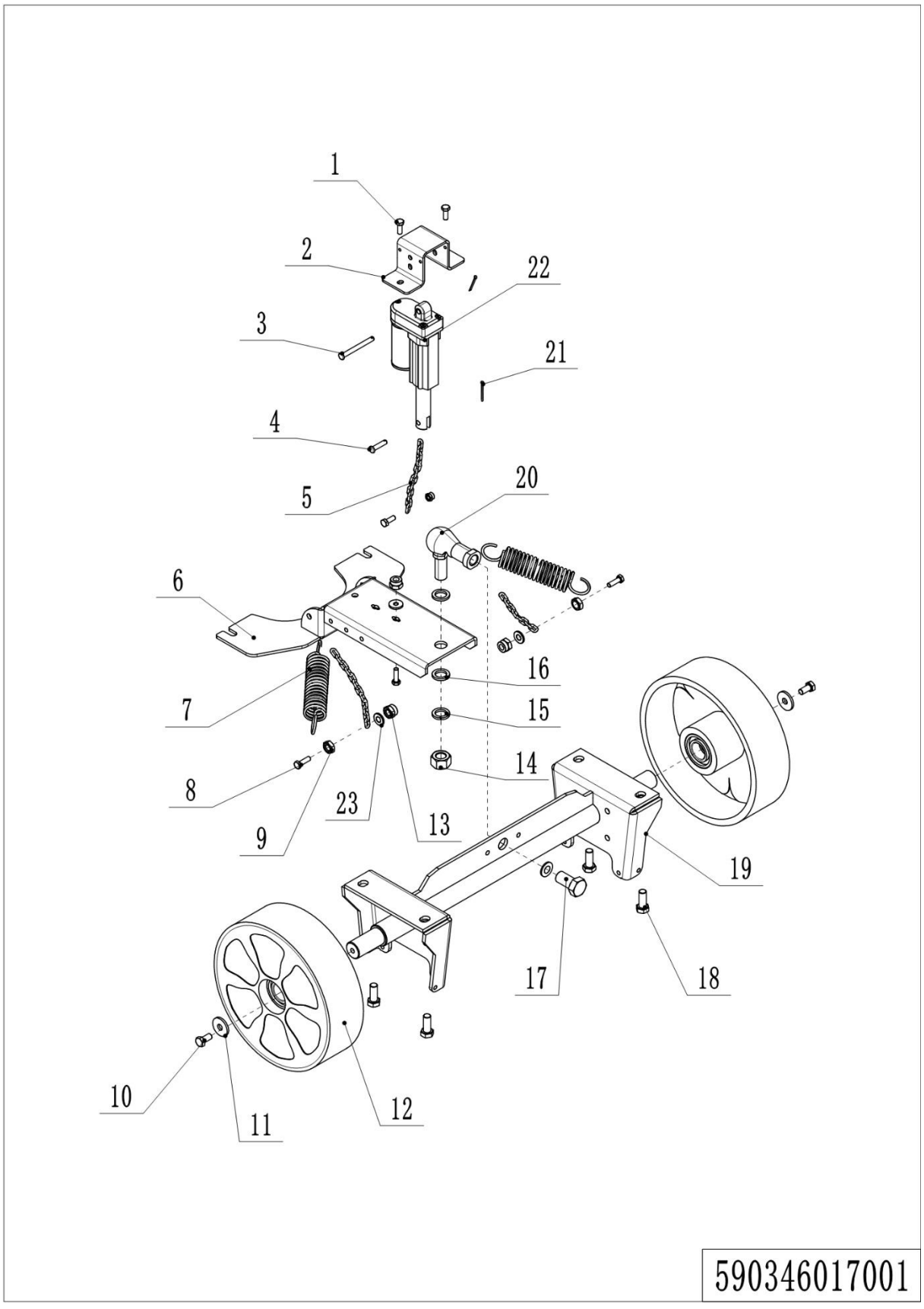


1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

06 Solution assembly (590346021506)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	590198520147		Valve	1		
2	590198520009		Connectors	1		
3	590198520134		Filter	1		
4	590398520262		Water Pipe	1		0.73m
5	590198520096		Hoop	6		
6	590198520140		Solenoid Valve	1		
7	590198520083		Screw M6x16	2		
8	590398520014		Fixed Sheet Metal	1		
9	590198520092		Screw M4x10	2		
10	590398520068		Connector 2-2	1		

07 Wheels (590346017001)



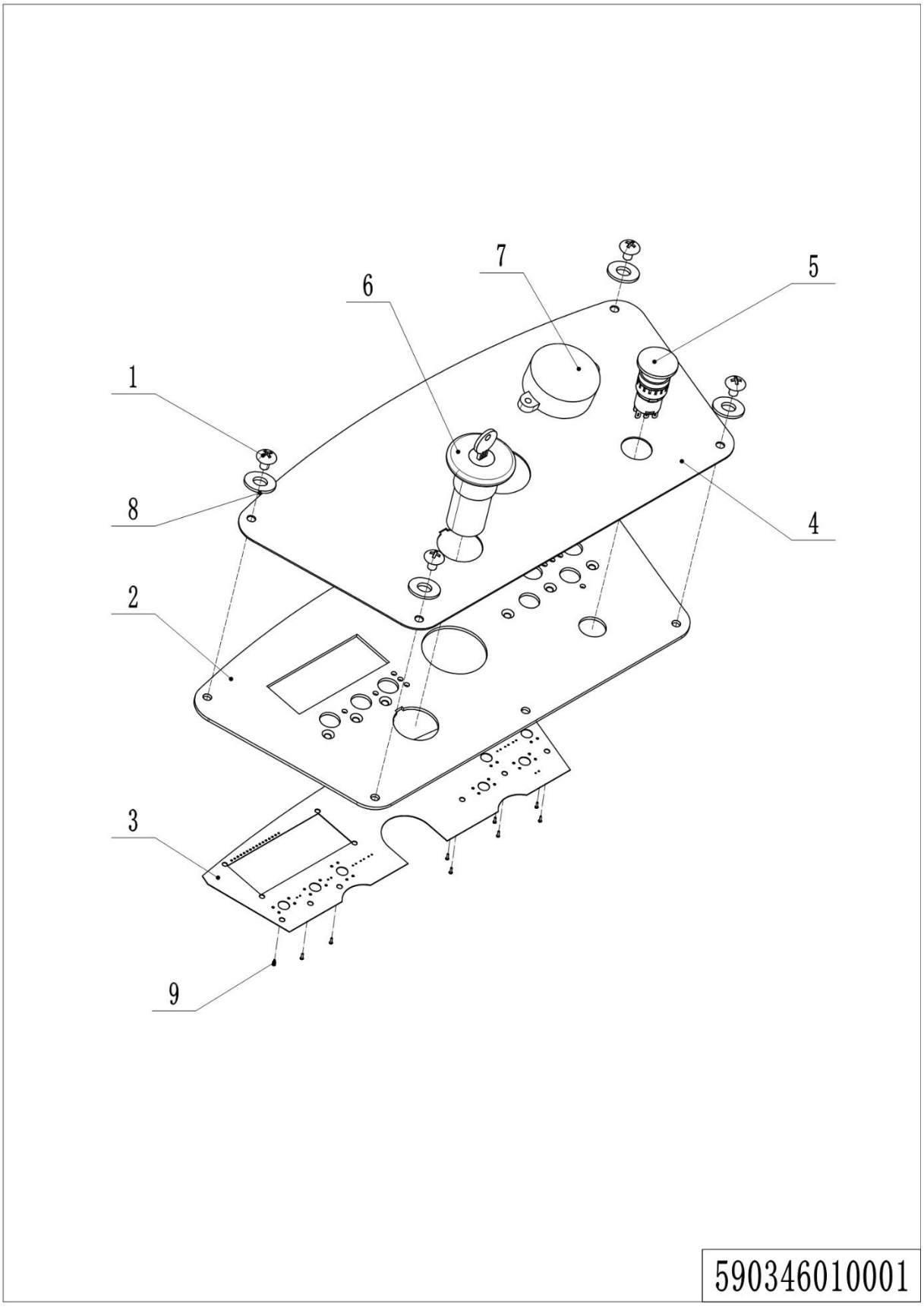
1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

07 Wheels (590346017001)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	590198520142		Screw M6x16	2		
2	590398520027		Mounting Plate	1		
3	590398520060		Pin Shaft 6x55	1		
4	590398520059		Pin Shaft 6x25	1		
5	590398520070		Chain	1		0.6m
6	590398520026		Fixed Sheet Metal	1		
7	590398520071		Tension Spring	2		
8	590198520084		Screw M6x20	4		
9	590198520071		Nut M6	4		
10	590198520069		Screw M8x20	2		
11	590398520002		Gasket	2		
12	590398520011		Wheel	2		
13	590198520067		Nut M6	4		
14	590398520063		Nut M16	1		
15	590398520086		Spring Washer	2		
16	590398520053		Gasket Ø16	2		
17	590398520058		Screw M16x25	1		
18	590398520050		Screw M10x20	4		
19	590398520025		Wheel Shaft Sheet Metal	1		
20	590398520066		Universal Joint M16	1		
21	590398520069		Pin Ø2	2		
22	590398510011		Push Motor	1		
23	590198520079		Gasket	3		

Chapter 2：Electrical parts

01 Operating panel (590346010001)

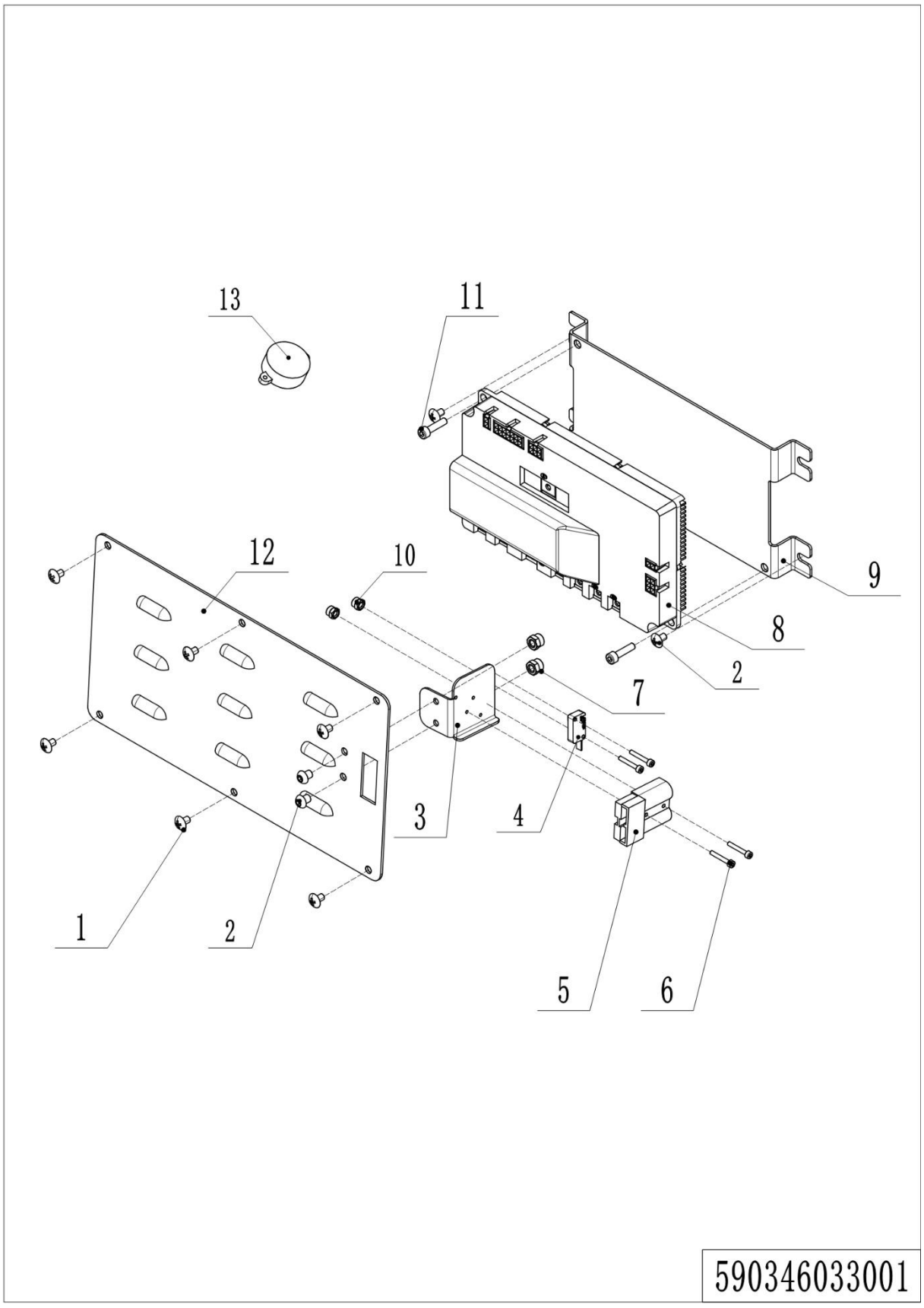


1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

01 Operating panel (590346010001)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	590198520091		Screw M5x12	4		
2	590398520031		Mounting Plate	1		
2	590398520109		Mounting Plate	1		For Li-battery
3	590398520047		PCB	1		
3	590398520110		PCB	1		For Li-battery
4	590398520003		Label	1		
5	590398510008		Emergency Switch	1		
6	590398510004		Key Switch	1		
6	590398520111		Key Switch	1		For Li-battery
7	590398520126		Buzzer	1		
8	590198520195		Gasket	4		
9	590398520123		Stud M3x8	9		
9	591398520028		Screw M3x8	9		For Li-battery

02 Electronic control components (590346033001)

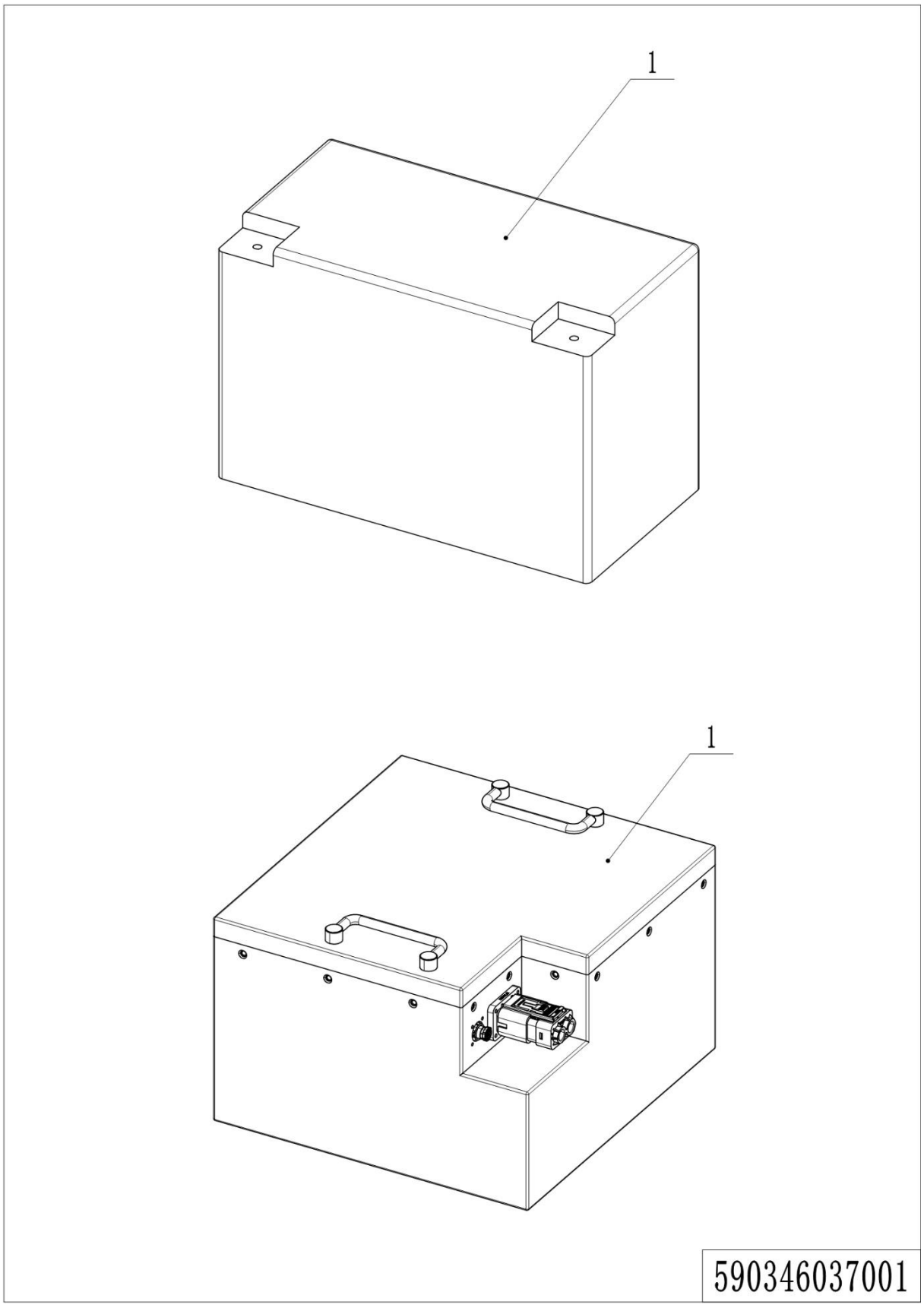


1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

02 Electronic control components (590346033001)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	590198520191		Screw M5x8	6		
2	590198520093		Screw M5x12	4		
3	590398520032		Fixed Sheet Metal	1		
3	590198520228		Fixed Plate	1		For Li-battery
4	590198520219		Microswitch	1		
5	590198520141		Wire Harness	1		
6	590398520078		Screw M3x20	4		
7	590198520068		Nut M5	2		
8	590398510003		Controller	1		
8	590398520113		Controller	1		For Li-battery
9	590398520035		Sheet Metal	1		
10	590198520102		Nut M3	2		
11	590398520079		Screw M6x20	2		
11	590498520082		Screw M5x30	2		For Li-battery
12	590398520028		Electrical Close Plate	1		
12	590398520114		Electrical Close Plate	1		For Li-battery
13	590398520127		Buzzer			For Li-battery

03 Traction Battery (590346037001)

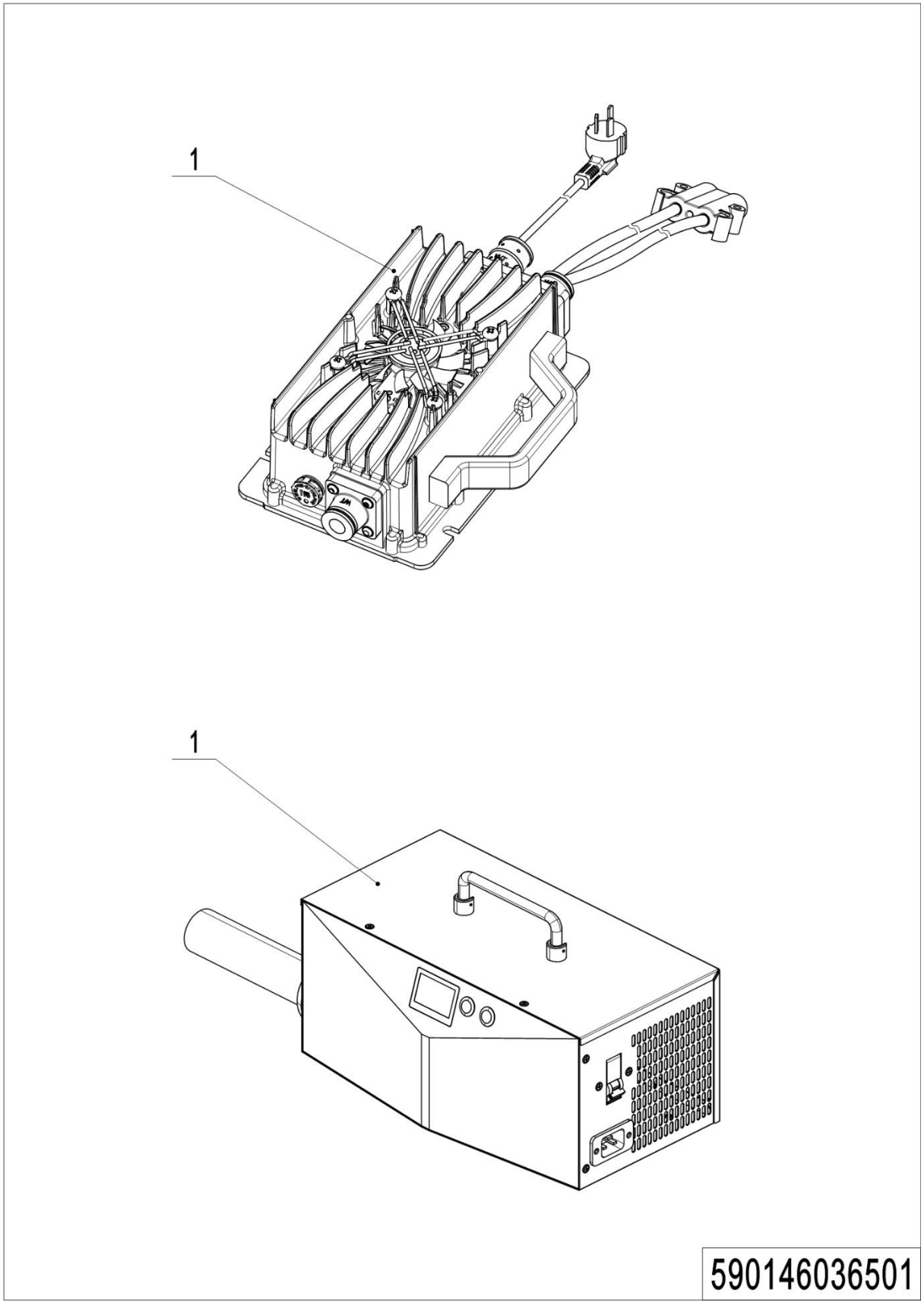


1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

03 Traction Battery (590346037001)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	590398520081		Battery 12V120Ah	2		
1	920600100706		Li-Battery 24V200Ah	1		For Li-battery

04 Charger (590146036501)

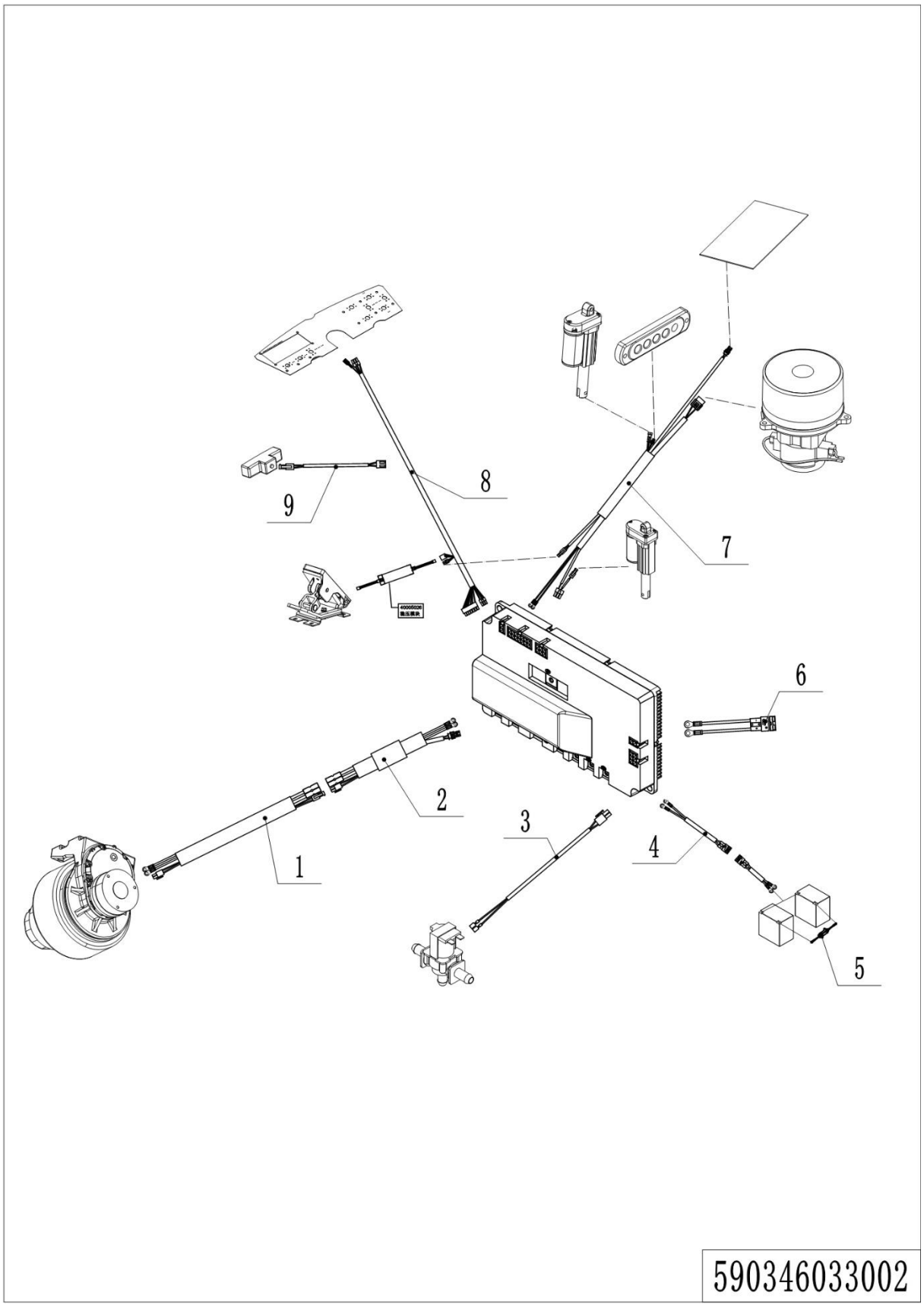


1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

04 Charger (590146036501)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	590198520155		Charger 24V15A(Asia)	1		
1	590198520182		Charger 24V15A(ENG)	1		
1	590198520183		Charger 24V15A(USA)	1		
1	590198520184		Charger 24V15A(EU)	1		
1	590198520185		Charger 24V15A(AUS)	1		
1	590198520186		Charger 24V15A(ITA)	1		
1	590198520187		Charger 24V15A(CH)	1		
1	590198520188		Charger 24V15A(ISR)	1		
1	590198520189		Charger 24V15A(BRA)	1		
1	921000201216		Li-Charger24V25A(Asia)	1		Single-phase 110-240V
1	921000201169		Li-Charger24V25A(USA)	1		Single-phase 110-240V
1	921000201171		Li-Charger24V25A(EU)	1		Single-phase 110-240V
1	921000201217		Li-Charger24V25A(ENG)	1		Single-phase 110-240V
1	921000201218		Li-Charger24V25A(AUS)	1		Single-phase 110-240V
1	921000201219		Li-Charger24V25A(ITA)	1		Single-phase 110-240V
1	921000201220		Li-Charger24V25A(CH)	1		Single-phase 110-240V
1	921000201221		Li-Charger24V25A(ISR)	1		Single-phase 110-240V
1	921000201222		Li-Charger24V25A(BRA)	1		Single-phase 110-240V
1	504636510000		Li-Charger24V40A(Asia)	1		
1	504636510001		Li-Charger24V40A(EU)	1		
1	504636510002		Li-Charger24V40A(AUS)	1		
1	504636510003		Li-Charger24V40A(ENG)	1		
1	504636510006		Li-Charger24V40A(ITA)	1		
1	504636510007		Li-Charger24V40A(CH)	1		
1	504636510008		Li-Charger24V40A(ISR)	1		
1	504636510009		Li-Charger24V40A(BRA)	1		
1	921000201141		Li-Charger24V50A(USA)	1		UL, Single-phase 110V

05 Wire Harness (Lead-acid battery) (590346033002)

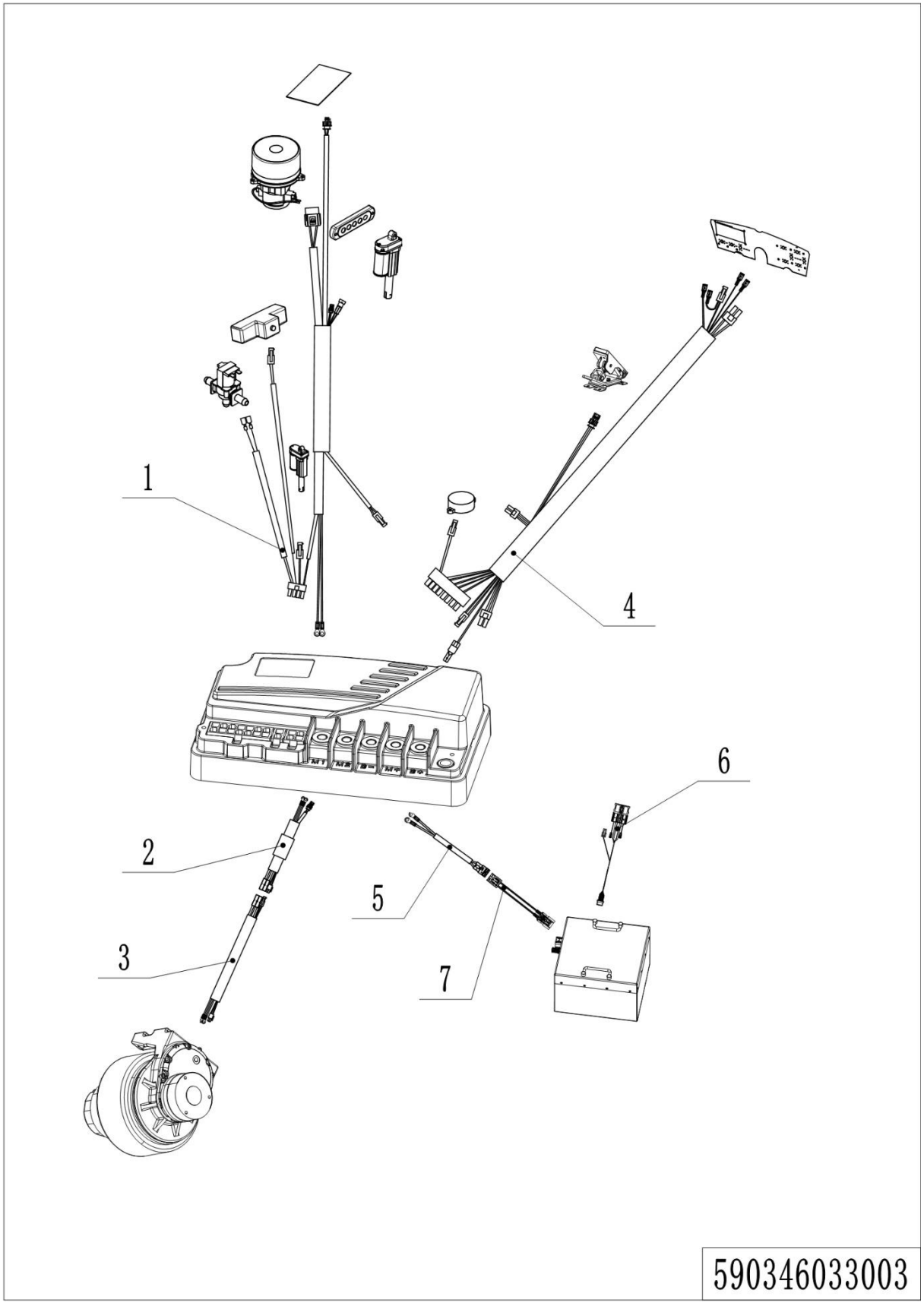


1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

05 Wire Harness (Lead-acid battery) (590346033002)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	590398510018		Wire Harness	1		
2	590398510013		Wire Harness	1		
3	590398510014		Wire Harness	1		
4	590398510015		Wire Harness	1		
5	590398520101		Wire Harness	1		
6	590198520141		Wire Harness	1		
7	590398510016		Wire Harness	1		
8	590398510017		Wire Harness	1		
9	590398520100		Wire Harness	1		

06 Wire Harness (Lithium battery) (590346033003)



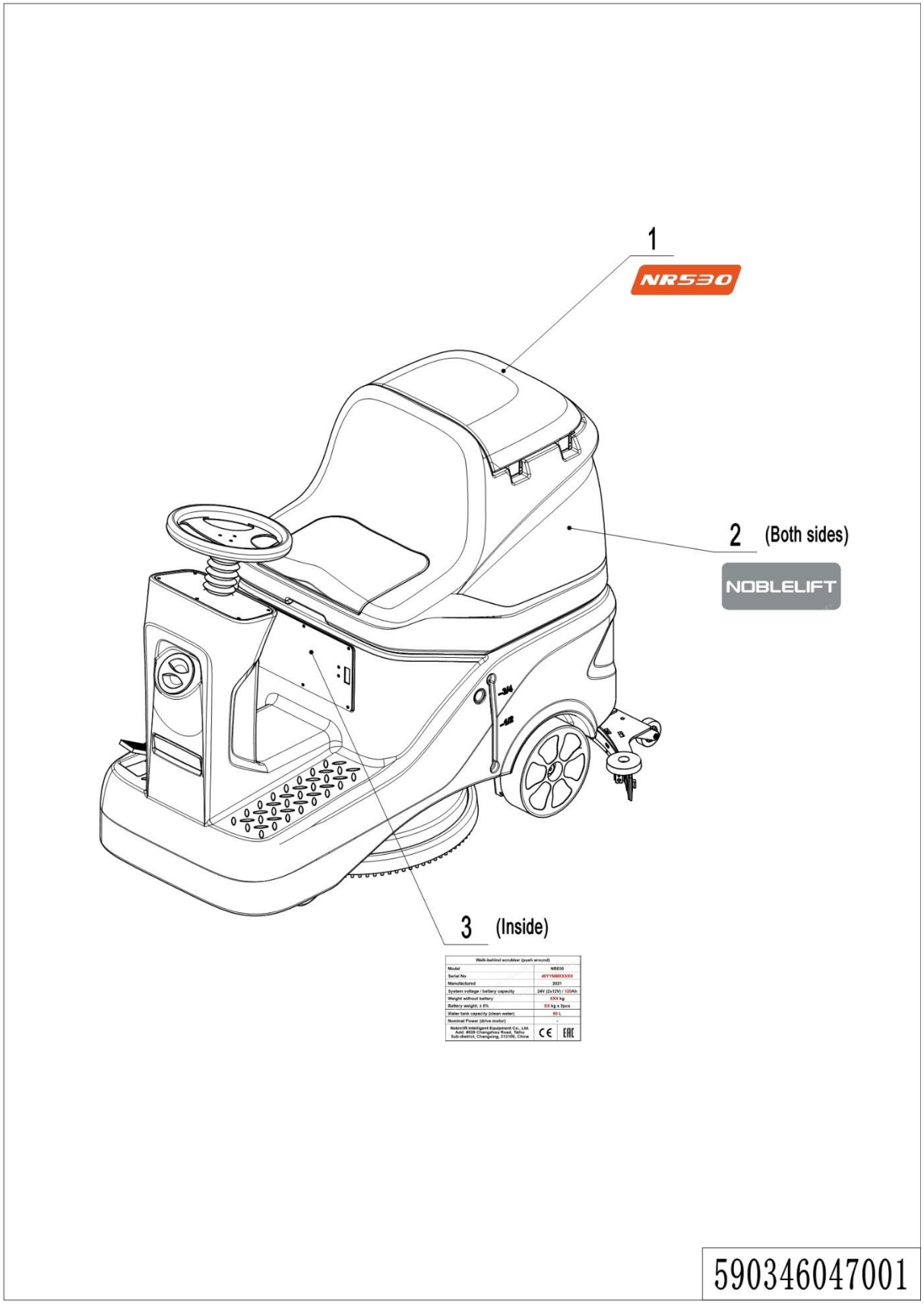
1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

05 Wire Harness (Lithium battery) (590346033003)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	590398520115		Wire Harness	1		For Li-battery
2	590398510013		Wire Harness	1		For Li-battery
3	590398510018		Wire Harness	1		For Li-battery
4	590398520118		Wire Harness	1		For Li-battery
5	590398520119		Wire Harness	1		For Li-battery
6	590398520112		Wire Harness	1		For Li-battery
7	590398520122		Wire Harness	1		For Li-battery

Chapter 4：Others

01 Labels and decals (590346047001)



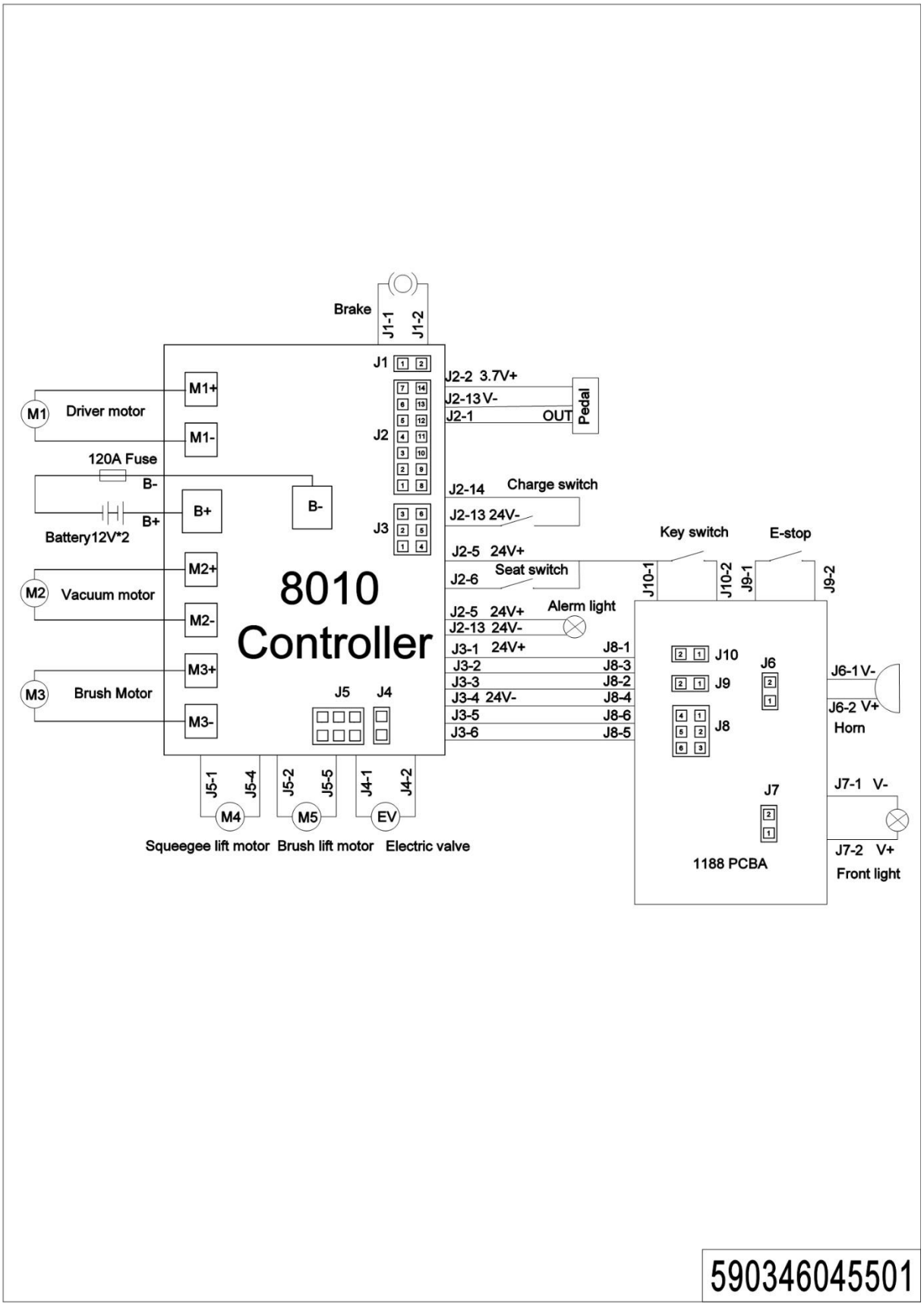
1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

01 Labels and decals (590346047001)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	590347020000		Label(NR530)	1		
2	590447020000		Label(NOBLELIFT)	2		
3	590198520167		Identification Plate	1		

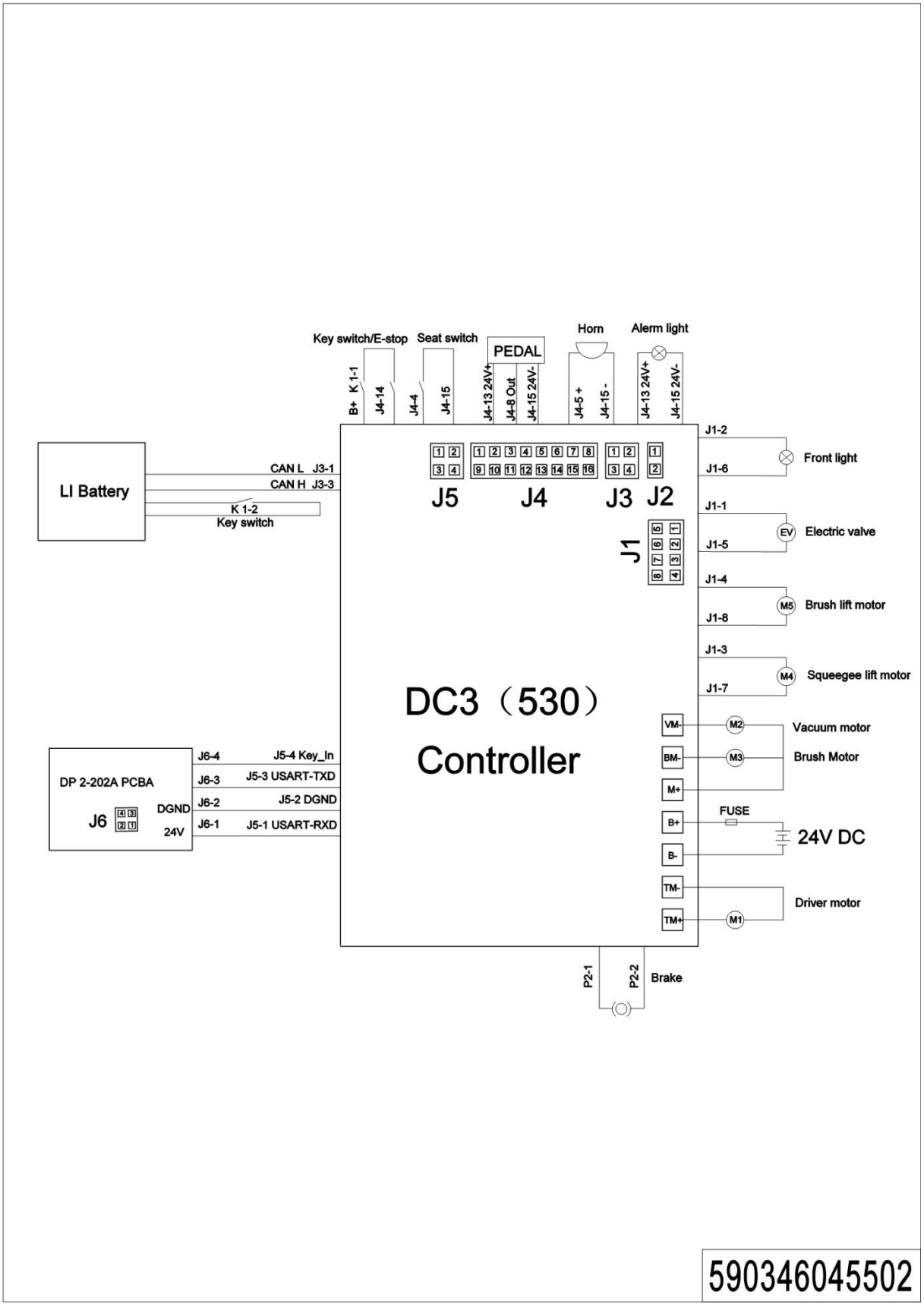
Appendix

01 Electrical Circuit Diagram (Lead-acid battery) (590346045501)



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

02 Electrical Circuit Diagram (Lithium battery) (590346045502)



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

02 Easy Wornout Parts List

No.	Item Code	Item Description	Qty.	Chapter/ Section/ Number
1	590398520042	Steering Wheel	1	Chapter 1/01/03
2	590398510006	Accelerator	1	Chapter 2/01/07
3	590398520107	Accelerator	1	Chapter 2/01/07
4	590398510009	Front Light	1	Chapter 2/01/13
5	590398510010	Warning Light	1	Chapter 2/01/28
6	590398520043	Seat Pad	1	Chapter 2/02/03
7	590498520136	Seat Switch	1	Chapter 2/02/04
8	590398510007	Vacuum Motor	1	Chapter 2/02/10
9	590398520045	Suction Pipe	1	Chapter 2/02/18
10	590398520046	Drain Hose	1	Chapter 2/02/20
11	590198520015	Floating Ball	1	Chapter 2/02/23
12	590198520014	Floating Ball Cage	1	Chapter 2/02/24
13	590398520261	Sealing Strip	1	Chapter 2/02/27
14	590198520131	Bumper Wheel	1	Chapter 2/03/08
15	590398520004	Water Barrier Skirt(*)	1	Chapter 2/03/12
16	590398520082	Brush Disk 19”	1	Chapter 2/03/13
17	590398510005	Brush Motor	1	Chapter 2/03/18
18	590398510002	Push Motor	1	Chapter 2/04/02
19	590198520131	Bumper Wheel	2	Chapter 2/05/01
20	590198520133	Wheel	2	Chapter 2/05/11
21	590398520125	Squeegee Kit	1	Chapter 2/05/20
21	590398520131	Squeegee Kit	1	Chapter 2/05/20
22	590198520147	Valve	1	Chapter 2/06/01
23	590198520134	Filter	1	Chapter 2/06/03
24	590198520140	Solenoid Valve	1	Chapter 2/06/06
25	590398520011	Wheel	2	Chapter 2/07/12
26	590398510011	Push Motor	1	Chapter 2/07/22
27	590398510008	Emergency Switch	1	Chapter 3/01/05
28	590398510004	Key Switch	1	Chapter 3/01/06

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

03 Consumable Parts List

No.	Item Code	Item Description	Qty.	Chapter/ Section/ Number
1	590398520082	Brush 19”	1	Chapter 2/03/13
	590398520087	Brush 19”(Soft)	1	Chapter 2/03/13
	590398520088	Brush 19”(Hard)	1	Chapter 2/03/13
2	590198520138	Rear Blade	1	Chapter 2/05/05
	590198520160	Rear Blade(NR)	1	Chapter 2/05/05
	590198520164	Rear Blade(PU)	1	Chapter 2/05/05
3	590198520137	Front Blade	1	Chapter 2/05/14
	590198520161	Front Blade(NR)	1	Chapter 2/05/14
	590198520165	Front Blade(PU)	1	Chapter 2/05/14
4	590198520168	White Pad	1	Use With Pad Driver
	590198520169	Black Pad	1	Use With Pad Driver
	590198520170	Red Pad	1	Use With Pad Driver

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