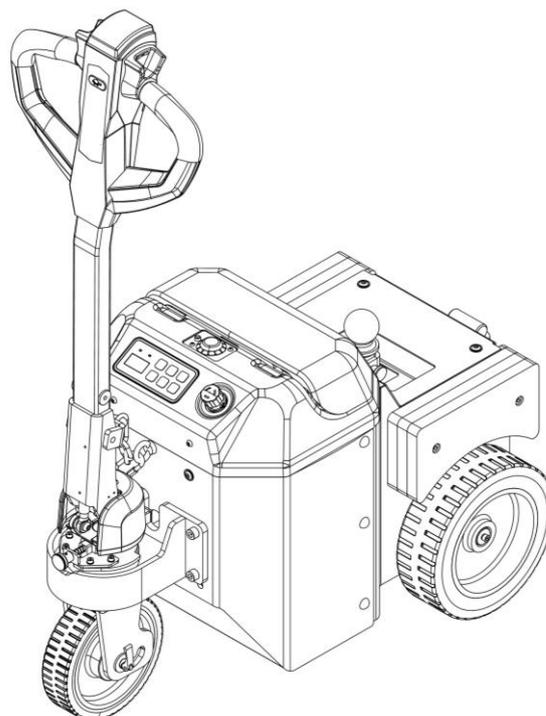


Tow Tractor TWS-200i / TWS-300i

PARTS MANUAL

568546020101



Version V02

Truck Identification Number From:

Parts Manual TWS-200i/300i-PM02EN

Please order spare parts from authorized dealers of our company.

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 our company 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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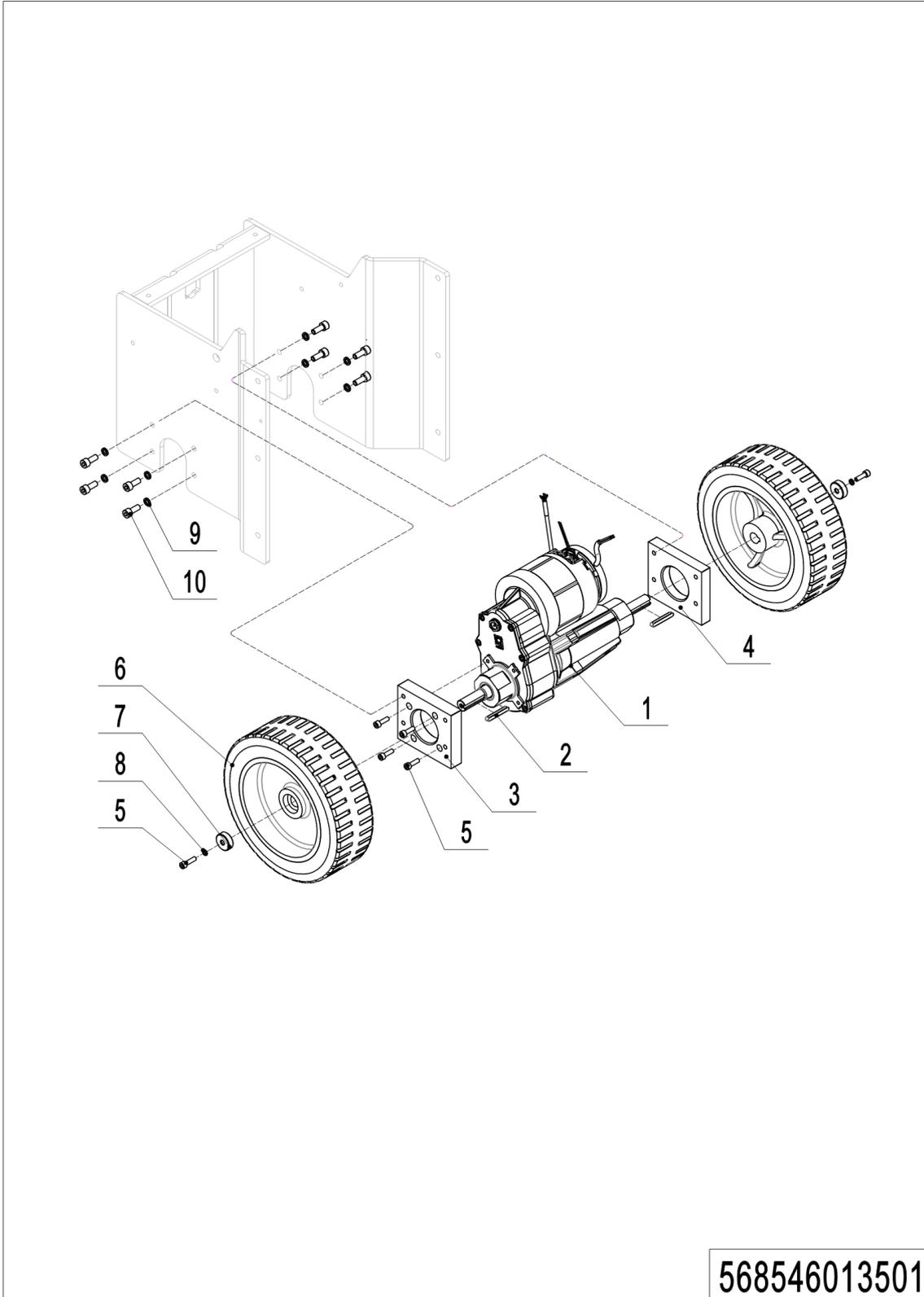
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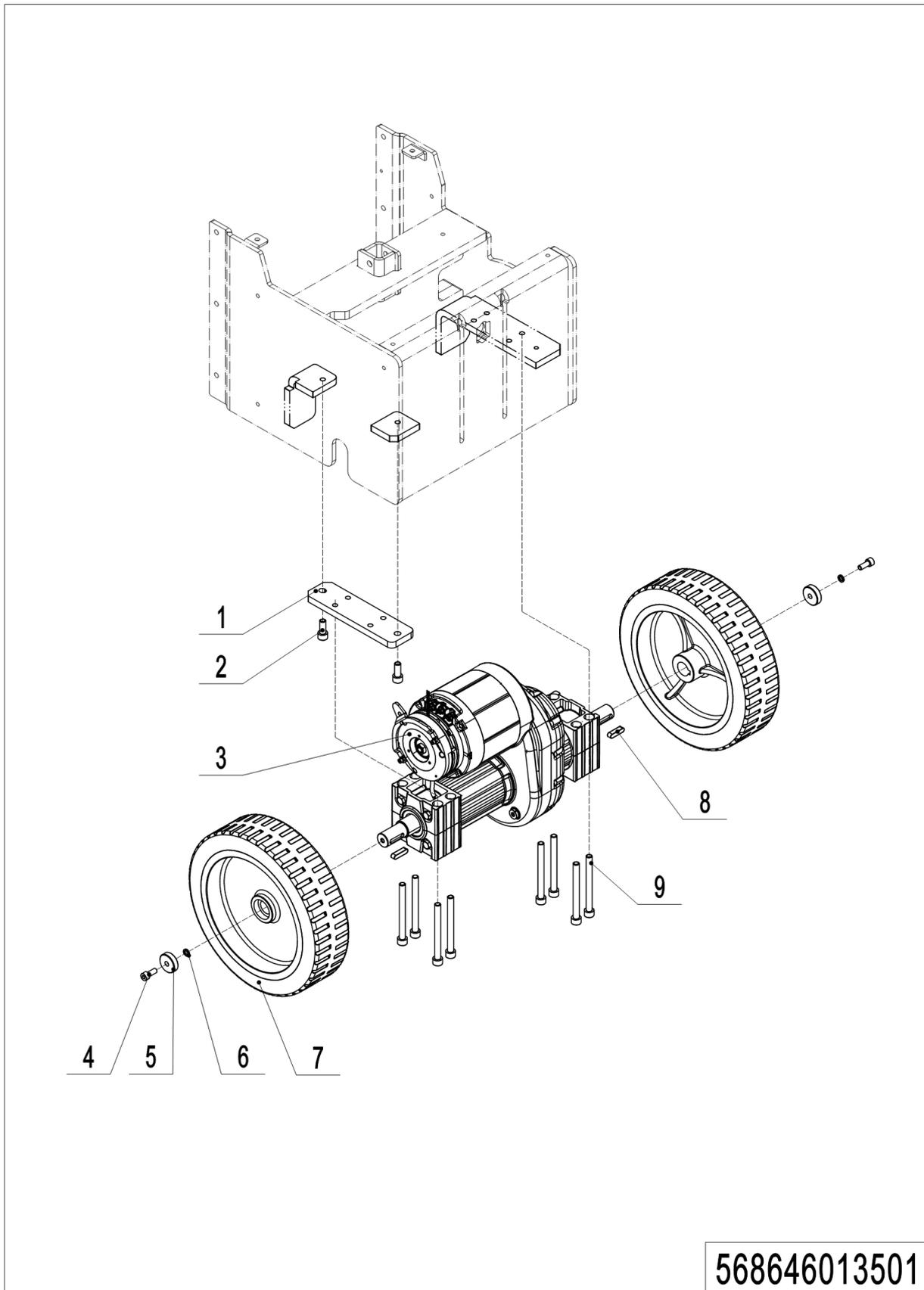
Chapter 1: Drive System

01 Drive Assembly 200i (568546013501)



01 Drive Assembly 200i(568546013501)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	568598510012		Drive Assembly	1		
2	910600800017		Flat Key	2		
3	568513520001		Mounting Plate	1		
4	568513520000		Mounting Plate	1		
5	910200200036		Screw M6x20	6		
6	940300400001		Drive Wheel Φ 250x80	2		
7	565313520000		Retaining Ring	2		
8	910400500005		Spring Washer	2		
9	910400500006		Spring Washer	8		
10	910200200057		Screw M8x20	8		

02 Drive Assembly 300i(568646013501)

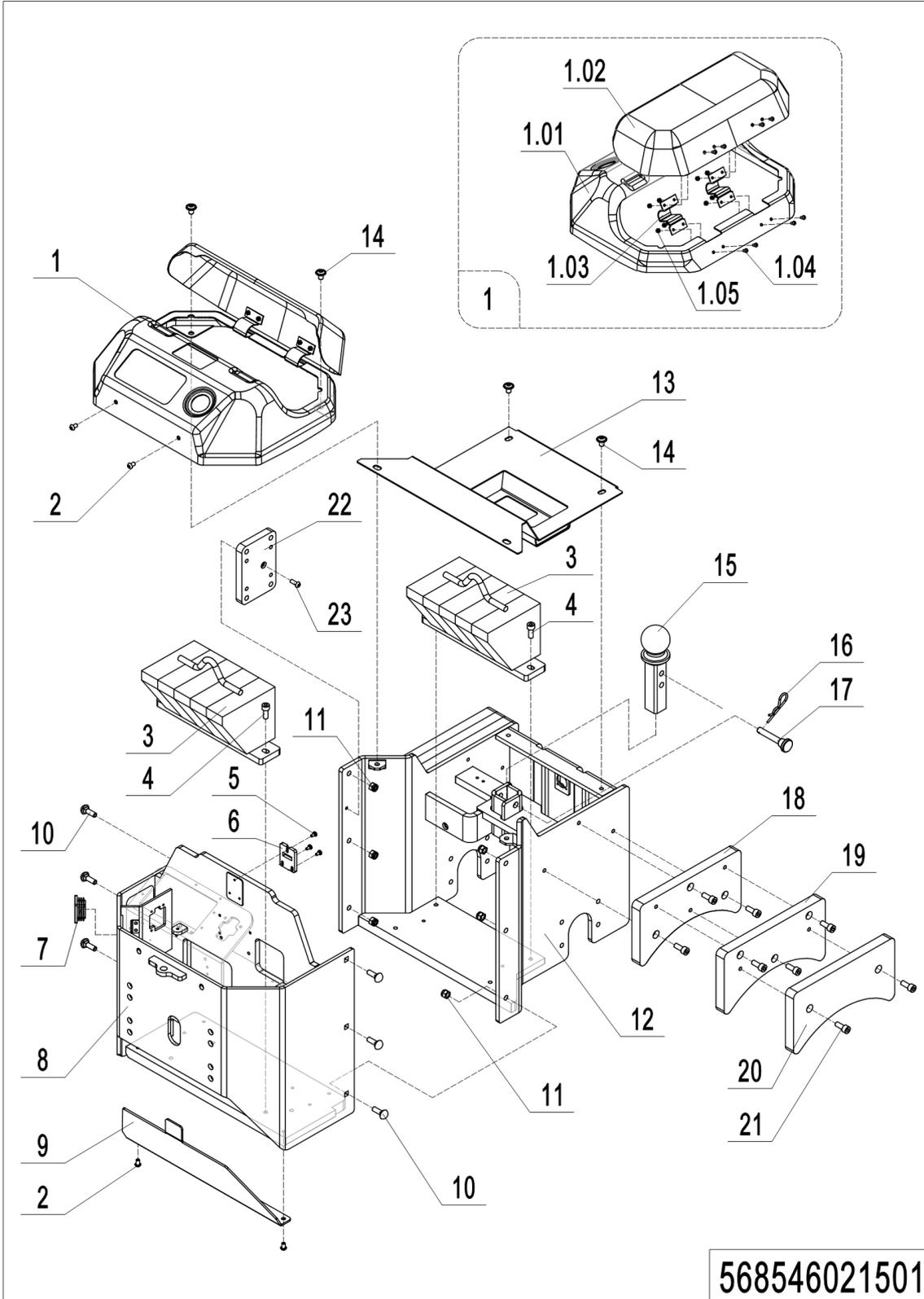
1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

02 Drive Assembly 300i(568646013501)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	568613520001		Mounting Plate	1		
2	910200200076		Screw M10x25	2		
3	568698510000		Drive Assembly	1		
4	910200200057		Screw M8x20	2		
5	568613520000		Retaining Ring	2		
6	910400500006		Spring Washer	2		
7	940300300074		Drive Wheel Φ 300x80	2		
8	910600800021		Flat Key	2		
9	910200200072		Screw M10x110	8		

Chapter 2: Truck Frame

01 Chassis 200i (568546021501)

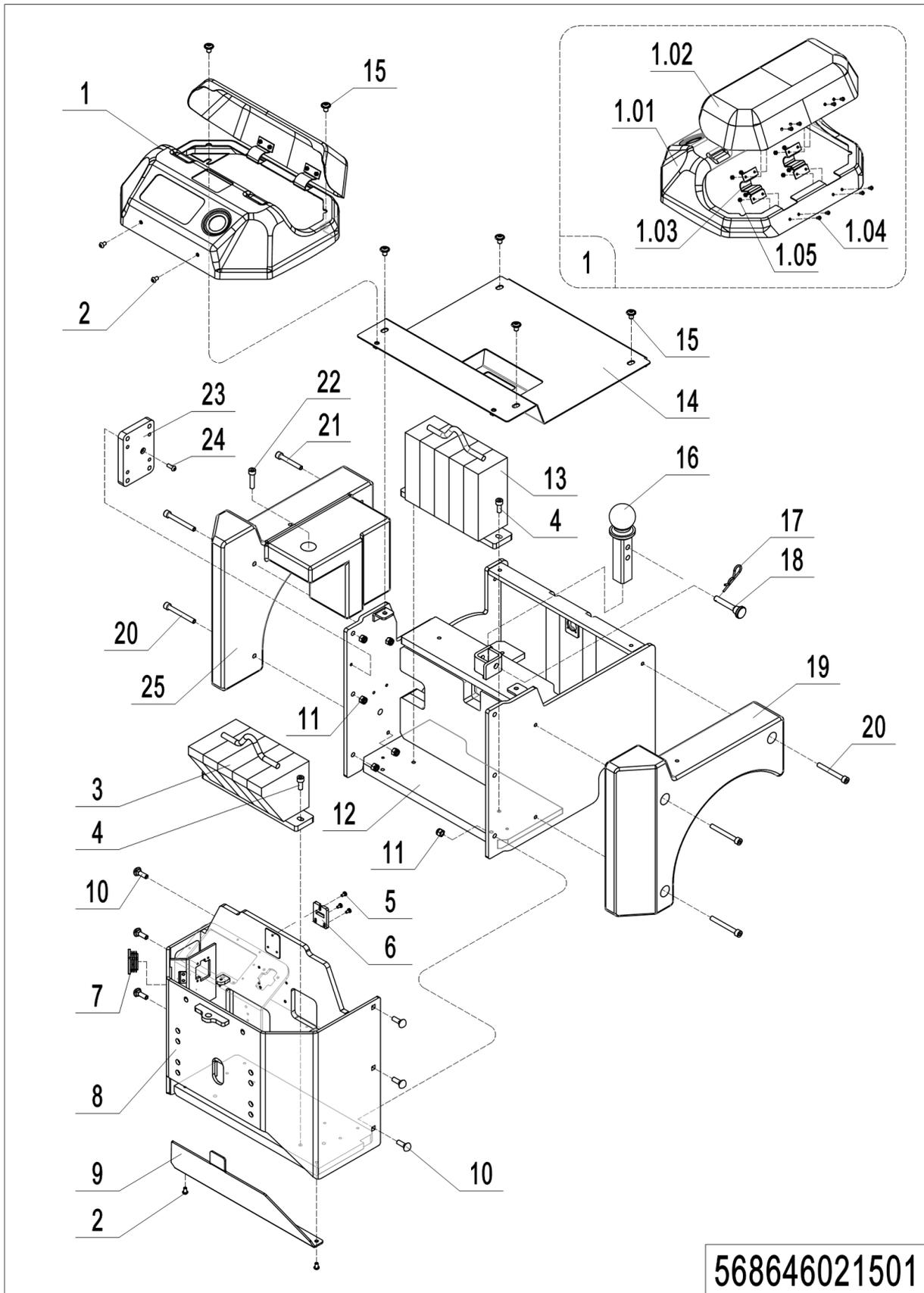


1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

01 Chassis 200i (568546021501)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	568598510005		Cover Kits	1		
1	568598510010		Cover Kits	1		Without coded Lock
1.01	568521510008		Cover	1		
1. 01	568521510009		Cover	1		Without coded Lock
1.02	568521520041		Cover	1		
1.03	568521520051		Hinge	2		
1.04	910200300006	1	Screw M4x10	8		
1.05	910300500001	1	Nut	8		
2	910200300016	1	Screw M6x10	4		
3	568521510003		Counter Weight	2		
4	910200200057	1	Screw M8x20	4		
5	910200500034	1	Screw M4x8	3		
6	508038520109		Lock Catch	1		
7	506621520022		Dust Cap	1		
8	568521510002		Chassis	1		
9	568521520042		Close Plate	1		
10	910101500002		Bolt M8x25	6		
11	910300500004		Nut	6		
12	568521510000		Chassis	1		
13	568521510005		Guard Cover	1		
14	941100100001		Screw M8x12	4		
15	568521510004		Traction Bolt (50.8)	1		
15	568521510006		Traction Bolt (58.7)	1		
16	910601000005		Lock Pin	1		
17	568521520031		Locating Pin	1		
18	568521520047		Counter Weight-1	2		
19	568521520044		Counter Weight-2	2		
20	568521520048		Counter Weight-3	2		
21	910200200057-D02		Screw M8x20	16		
22	--		Mounting Plate	1		Check 568546038001, No1.04
23	910200300018		Screw M6x16	1		

02 Chassis 300i (568646021501)

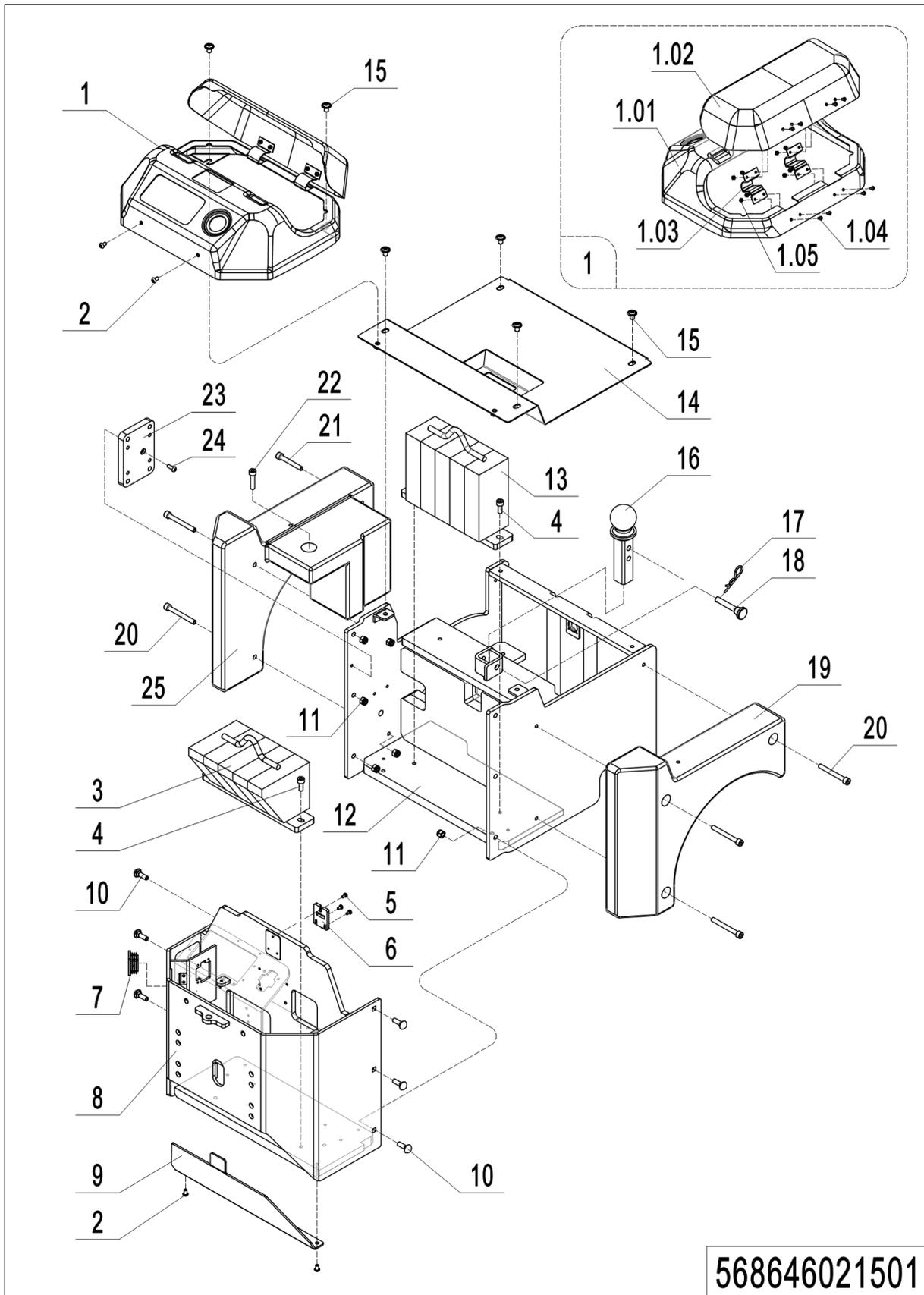


1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

02 Chassis 300i (568646021501)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	568598510005		Cover Kits	1		
1	568598510010		Cover Kits	1		Without coded Lock
1.01	568521510008		Cover	1		
1.01	568521510009		Cover	1		Without coded Lock
1.02	568521520041		Cover	1		
1.03	568521520051		Hinge	2		
1.04	910200300006	1	Screw M4x10	8		
1.05	910300500001	1	Nut	8		
2	910200300016	1	Screw M6x10	4		
3	568521510003		Counter Weight	1		
4	910200200057	1	Screw M8x20	4		
5	910200500034	1	Screw M4x8	3		
6	508038520109		Lock Catch	1		
7	506621520022		Dust Cap	1		
8	568521510002		Chassis	1		
9	568521520042		Close Plate	1		
10	910101500002		Bolt M8x25	6		
11	910300500004		Nut M8	6		
12	568621510000		Chassis (3.0t)	1		
13	568621510002		Counter Weight	1		
14	568621510001		Guard Cover (3.0t)	1		
15	941100100001		Screw M8x12	4		
16	568521510004		Traction Bolt (50.8)	1		
16	568521510006		Traction Bolt (58.7)	1		
17	910601000005		Lock Pin	1		
18	568521520031		Locating Pin	1		
19	568621520015		Counter Weight	1		
20	910200200067		Screw M8x70	5		
21	910200200065		Screw M8x60	1		
22	910200200060		Screw M8x35	1		

02 Chassis 300i (568646021501) Continuation

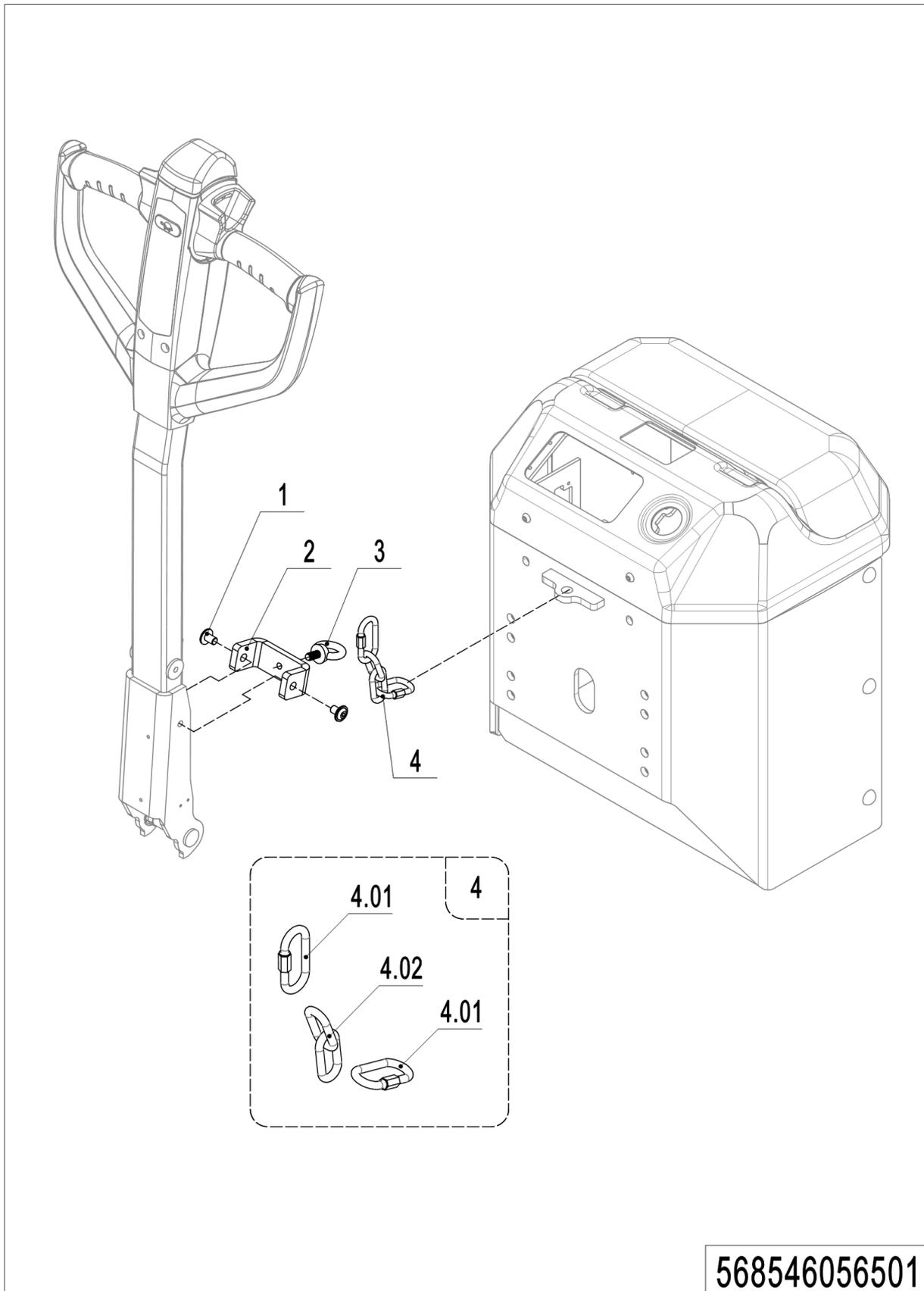


568646021501

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

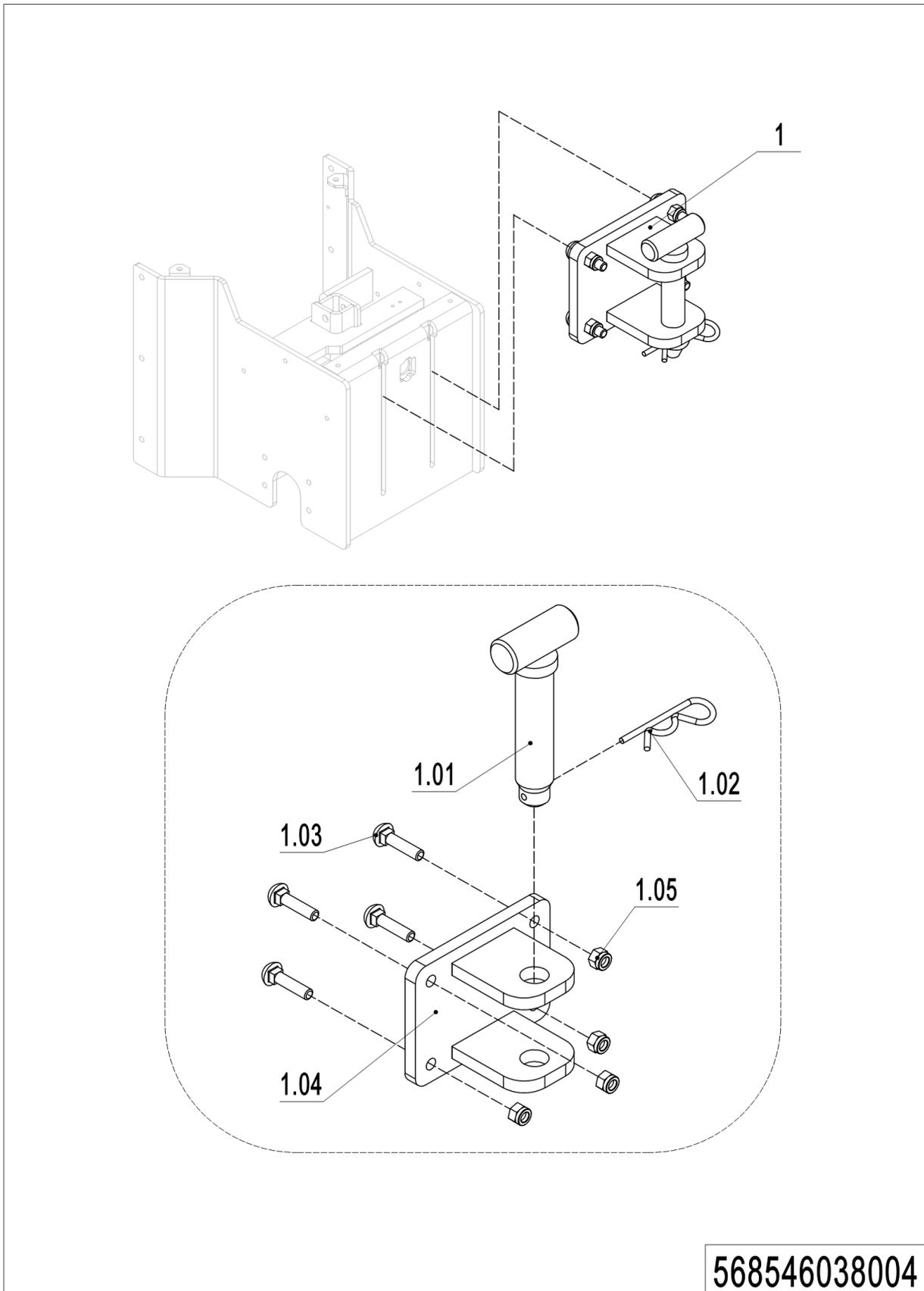
02 Chassis 300i (568646021501) Continuation

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
23	--		Mounting Plate	1		Check
24	910200300018		Screw M6x16	1		
25	568621520014		Counter Weight	1		

03 Chain device (568546056501)

03 Chain device (568546056501)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	941100100001		Screw M8x12	2		
2	568556520000		Mounting Plate	1		
3	568556520003		Screw	1		
4	568598510009		Chain Kits	1		
4.01	568556520002		Connecting Ring	2		
4.02	568556520001		Chain	1		

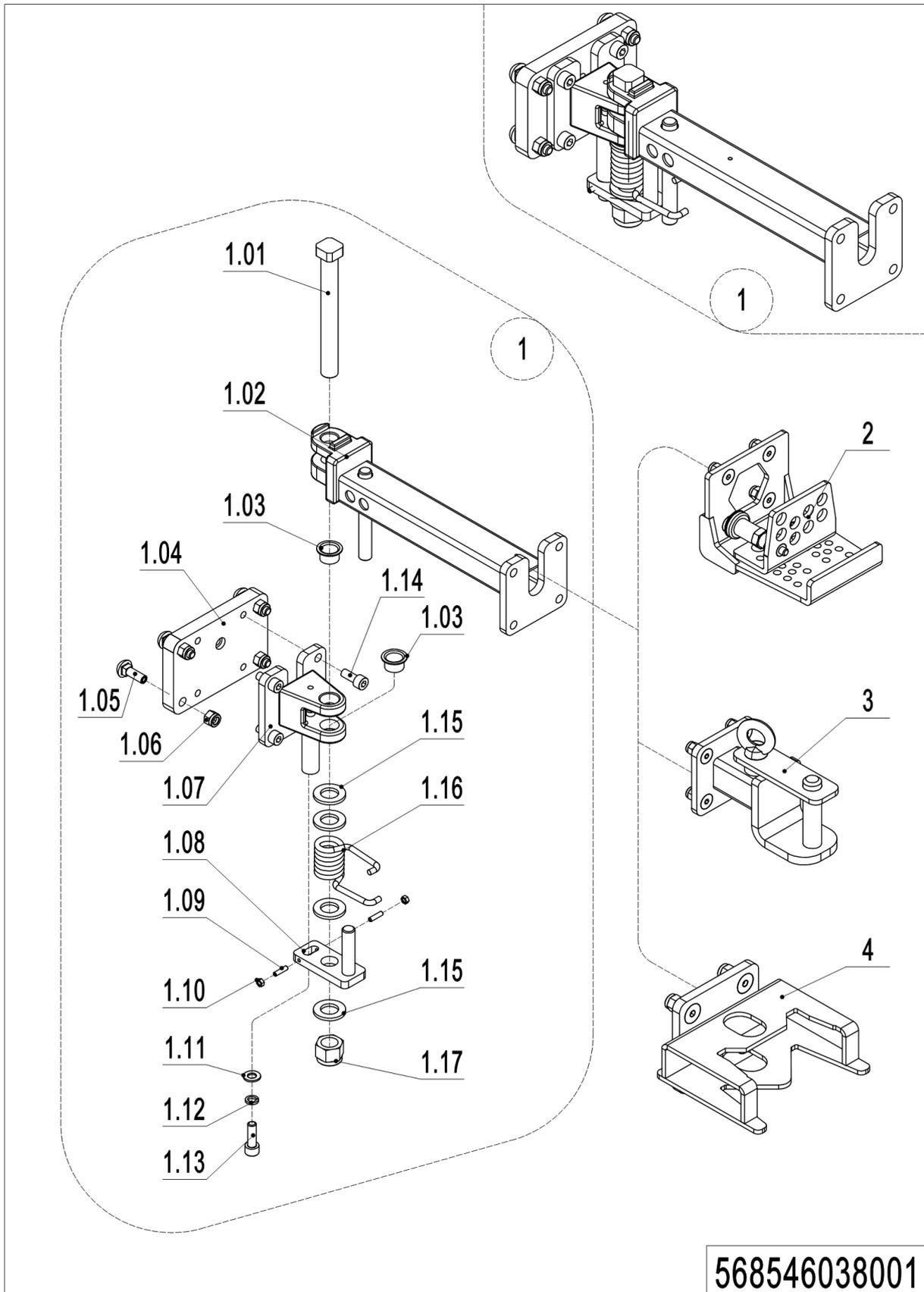
04 Coupling (568546038004)

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

04 Coupling (568546038004)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	568598510001		Traction Bolt Assembly	1		
1.01	568539510001		Lock Pin	1		
1.02	910601000004		Lock Pin	1		
1.03	910101500005		Bolt M8x35	4		
1.04	568539510000		Mounting Base	1		
1.05	910300500004		Nut	4		

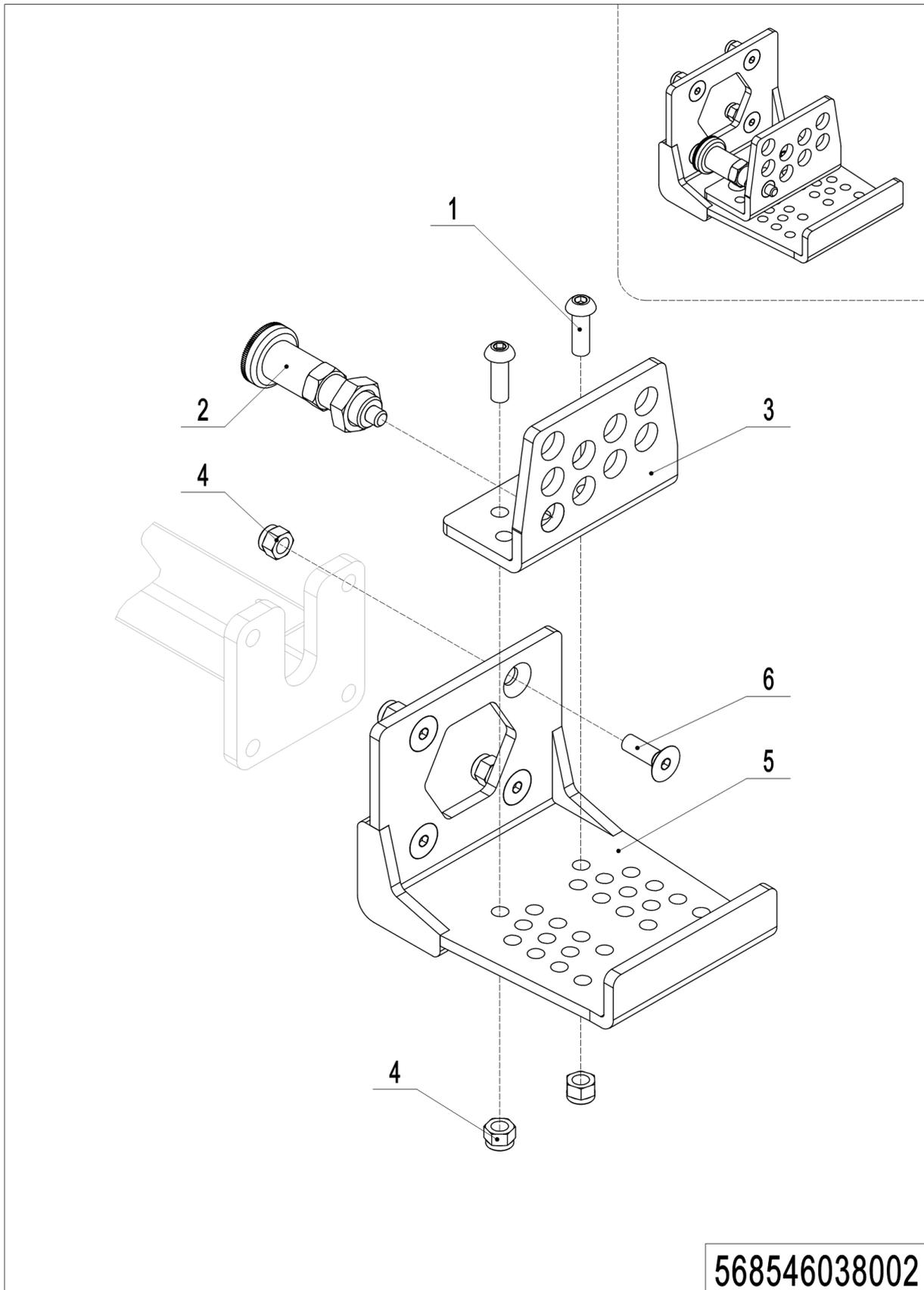
05 Coupling Unit (568546038001)



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

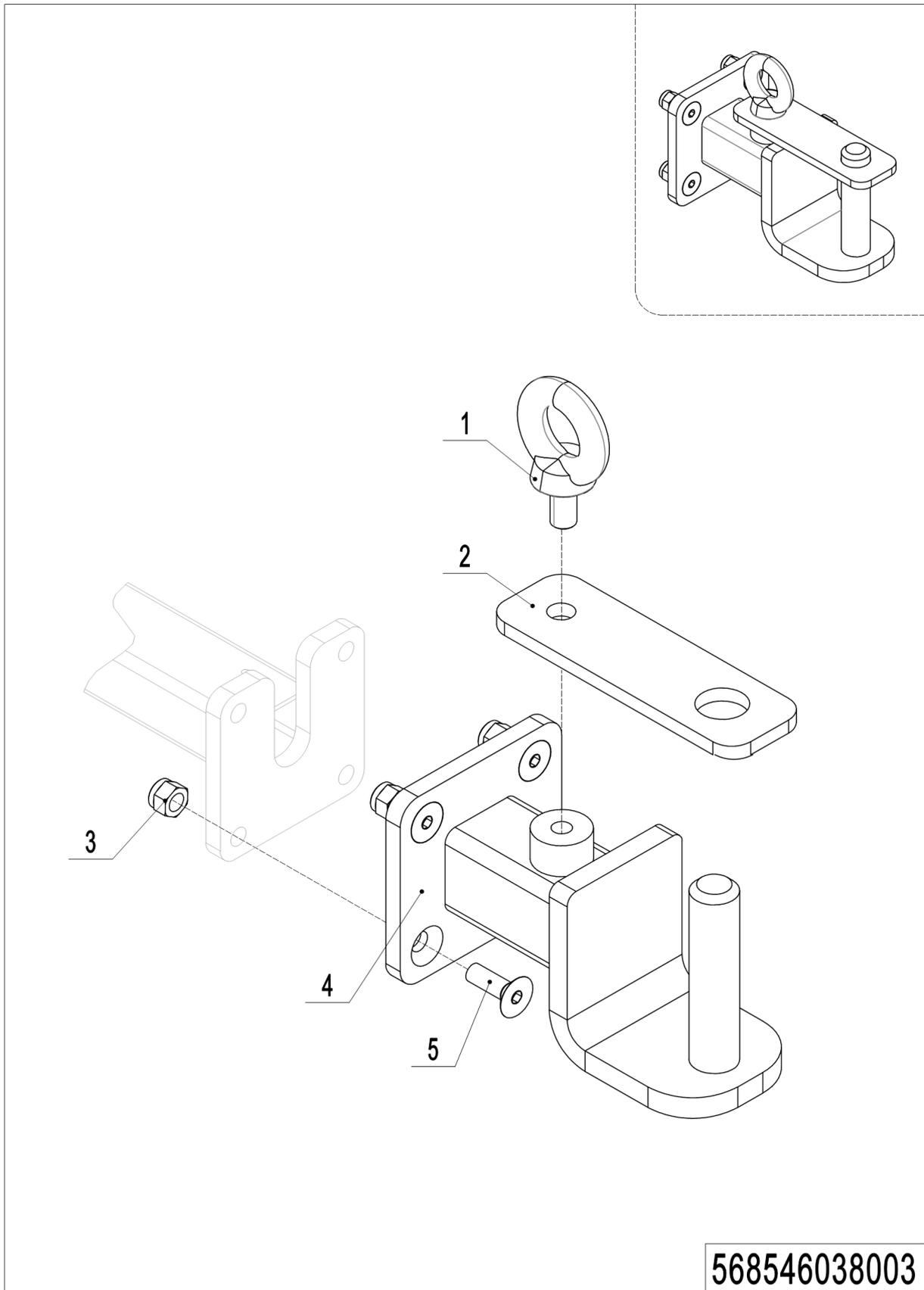
05 Coupling Unit (568546038001)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	568598510006	2	Traction Rod Kits	1		
1.01	565438020008	2	Bolt M16x137	1		
1.02	565438010001	2	Traction Rod	1		
1.03	940500200018	2	Bushing	2		
1.04	568539520004		Mounting Plate	1		
1.05	910101500005		Bolt M8x35	4		
1.06	910300500004	1	Nut	4		
1.07	565438010000	2	Fixed Base	1		
1.08	565438010006	2	Torsional Spring Base	1		
1.09	910200800046	1	Screw M4x16	2		
1.10	910300100003	1	Nut	2		
1.11	910400100006	1	Flat Washer	1		
1.12	910400500006	1	Spring Washer	1		
1.13	910200200058	1	Screw M8x25	1		
1.14	910200200057	1	Screw M8x20	4		
1.15	910400100010	1	Flat Washer	4		
1.16	565438020028	2	Torsional Spring	1		
1.17	910300500008	1	Nut	1		
2	565438010007	2	Traction Frame Kits(S)	1		
3	565438010010	2	Traction Frame Kits(P)	1		
4	565438010014	2	Traction Frame Kits(LKE)	1		

06 Coupling(S) (568546038002)**568546038002**

06 Coupling (S) (568546038002)

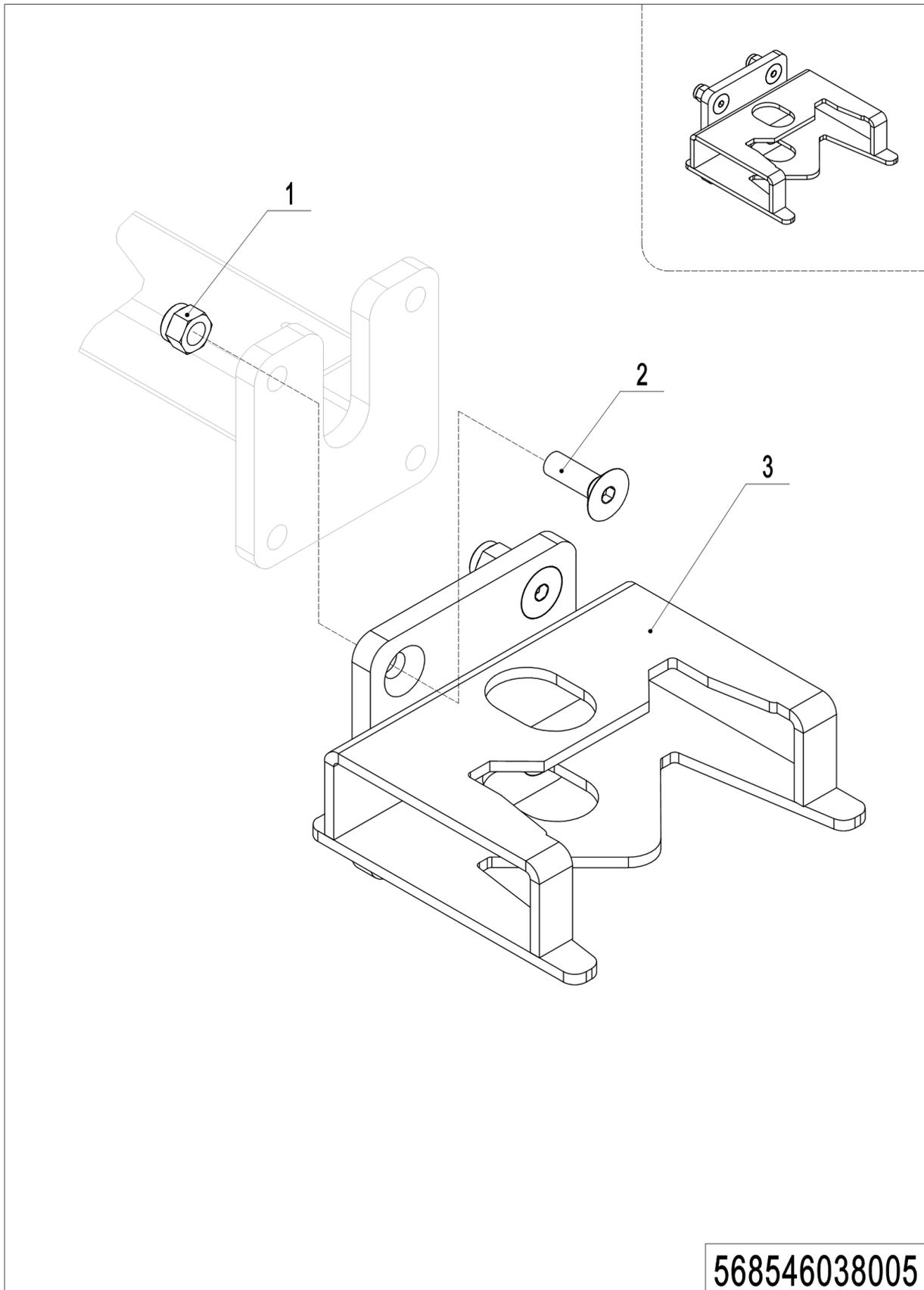
No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
--	565438010007	2	Traction Frame Kits(S)	1		
1	910200300026	1	Screw M8x25	2		
2	940800900004	2	Indexing Plunger	1		
3	565438020006	2	Traction Plate	1		
4	910300500004	1	Nut	6		
5	565438010016	2	Traction Plate	1		
6	910200400026	1	Screw M8x25	4		

07 Coupling (P) (568546038003)

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

07 Coupling (P) (568546038003)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
--	565438010010	2	Traction Frame Kits(P)	1		
1	910201700004	1	Screw M10	1		
2	565438020014	2	Fixed Plate	1		
3	910300500004	1	Nut	4		
4	565438010003	2	Mounting Base	1		
5	910200400026	1	Screw M8x25	4		

08 Coupling (LKE) (568546038005)

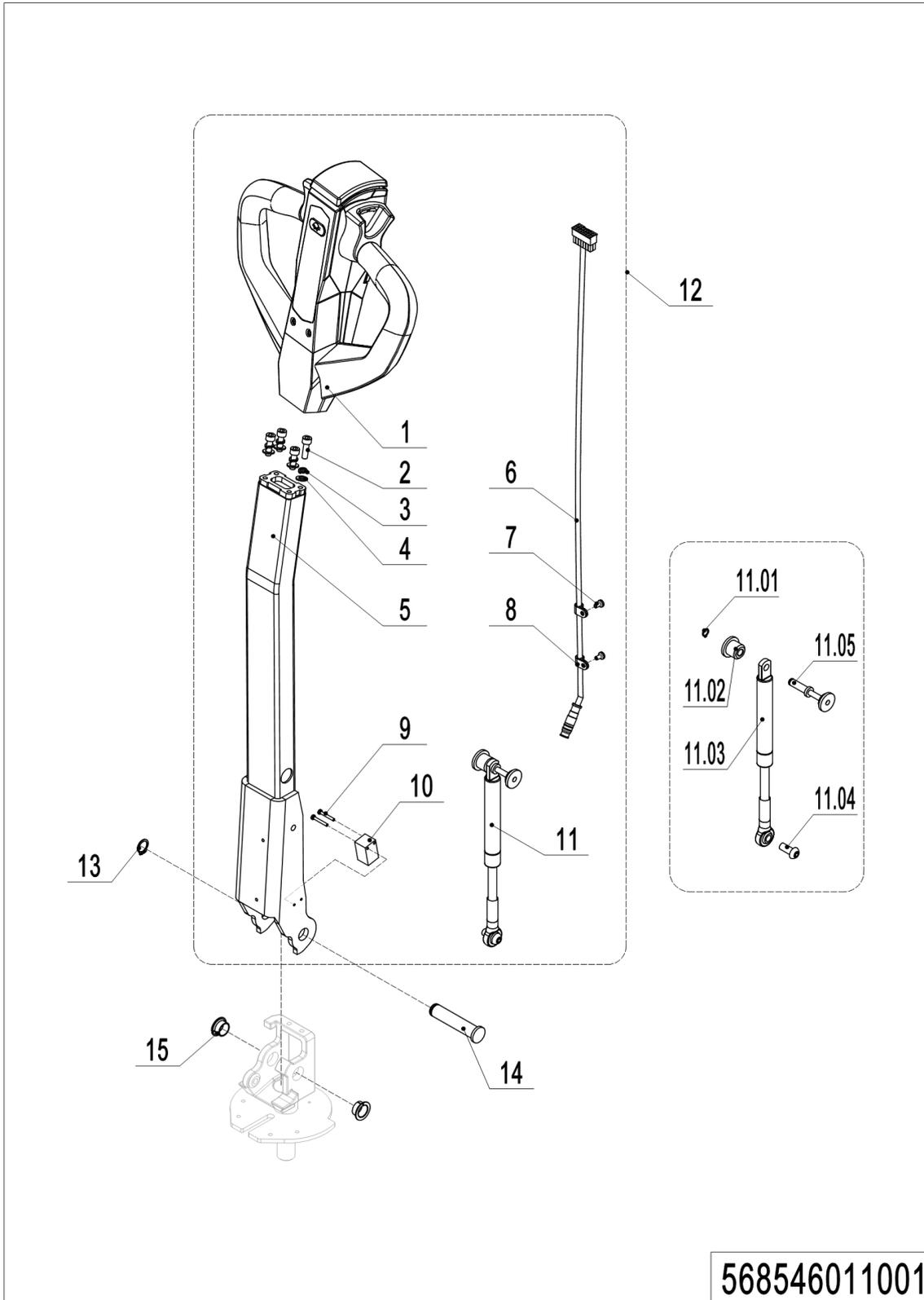
1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

08 Coupling (LKE) (568546038005)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
--	565438010014	2	Traction Frame Kits(LKE)	1		
1	910300500004	1	Nut	4		
2	910200400026	1	Screw M8x25	4		
3	565438010013	2	Traction Frame(LKE)	1		

Chapter 3: Steering System, Braking System, Wheels

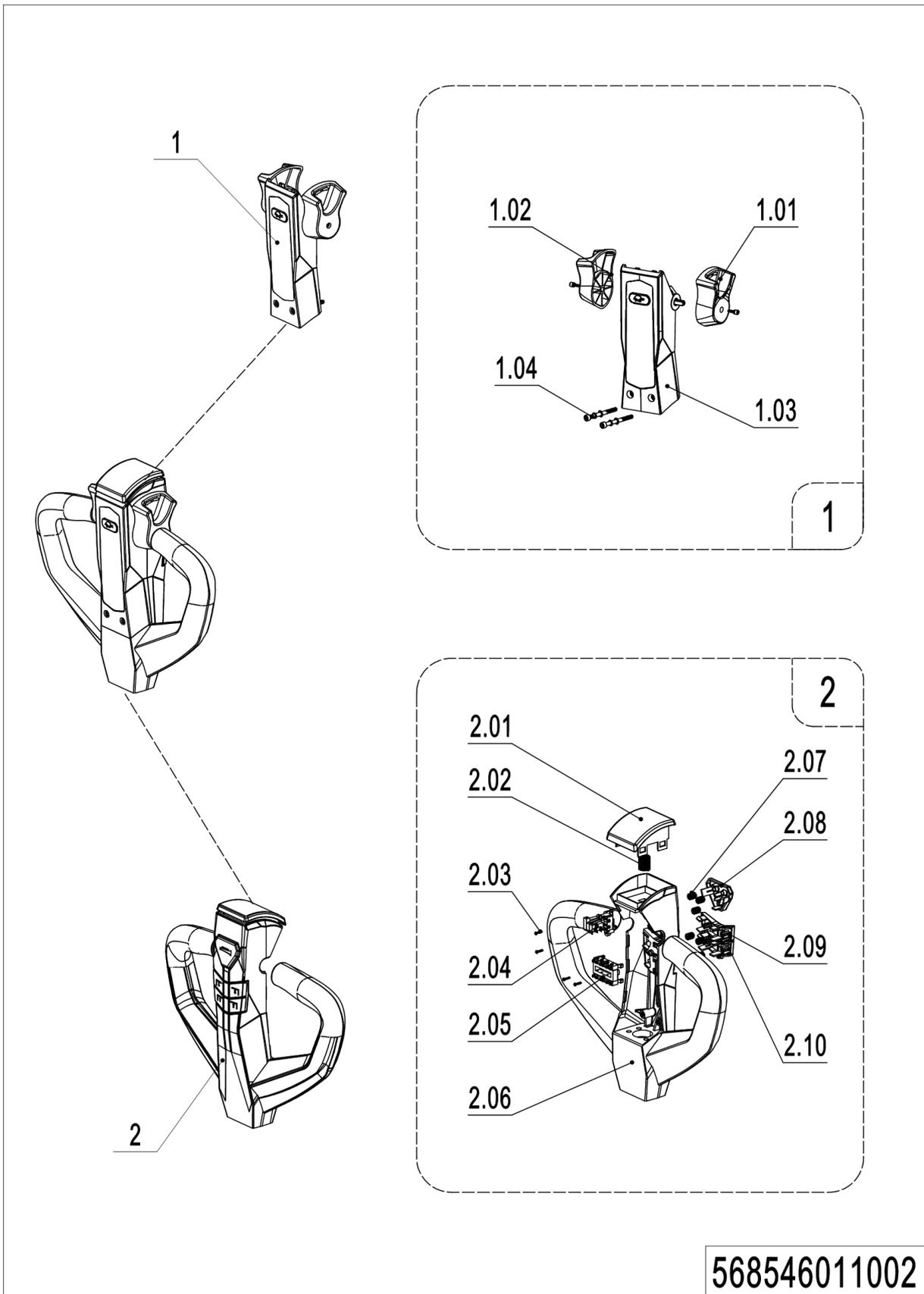
01 Tiller Unit (568546011001)



01 Tiller Unit (568546011001)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	922100100262		Control Handle	1		
1	922100100141		Control Handle	1		With password lock
2	910200200036		Screw M6x20	4		
3	910400500005		Spring Washer 6	4		
4	910400100005		Washer 6	4		
5	568511010001		Tiller Rod	1		
6	568533010005		Wire Harness	1		
7	910200500034		Screw M4x8	2		
8	921300200001		Cable Clamp	2		
9	941101100001		Screw M3x22	2		
10	920200400085		Proximity Switch	1		
11	568598510007		Gas Spring Kits	1		
11.01	910401300001		Circlip(Shaft)	1		
11.02	508011020005		Fixed Base	1		
11.03	502811010002		Gas Spring	1		
11.04	941100100011	1	Screw M8x22	1		
11.05	508011010002		Fixed Shaft	1		
12	568598510004		Tiller Kits	1		
12	568598510011		Tiller Kits	1		With password lock
13	910401300006		Circlip(Shaft)	1		
14	508011020004		Pin Shaft	1		
15	940500200001		Bushing	2		

02 Control Handle (568546011002)

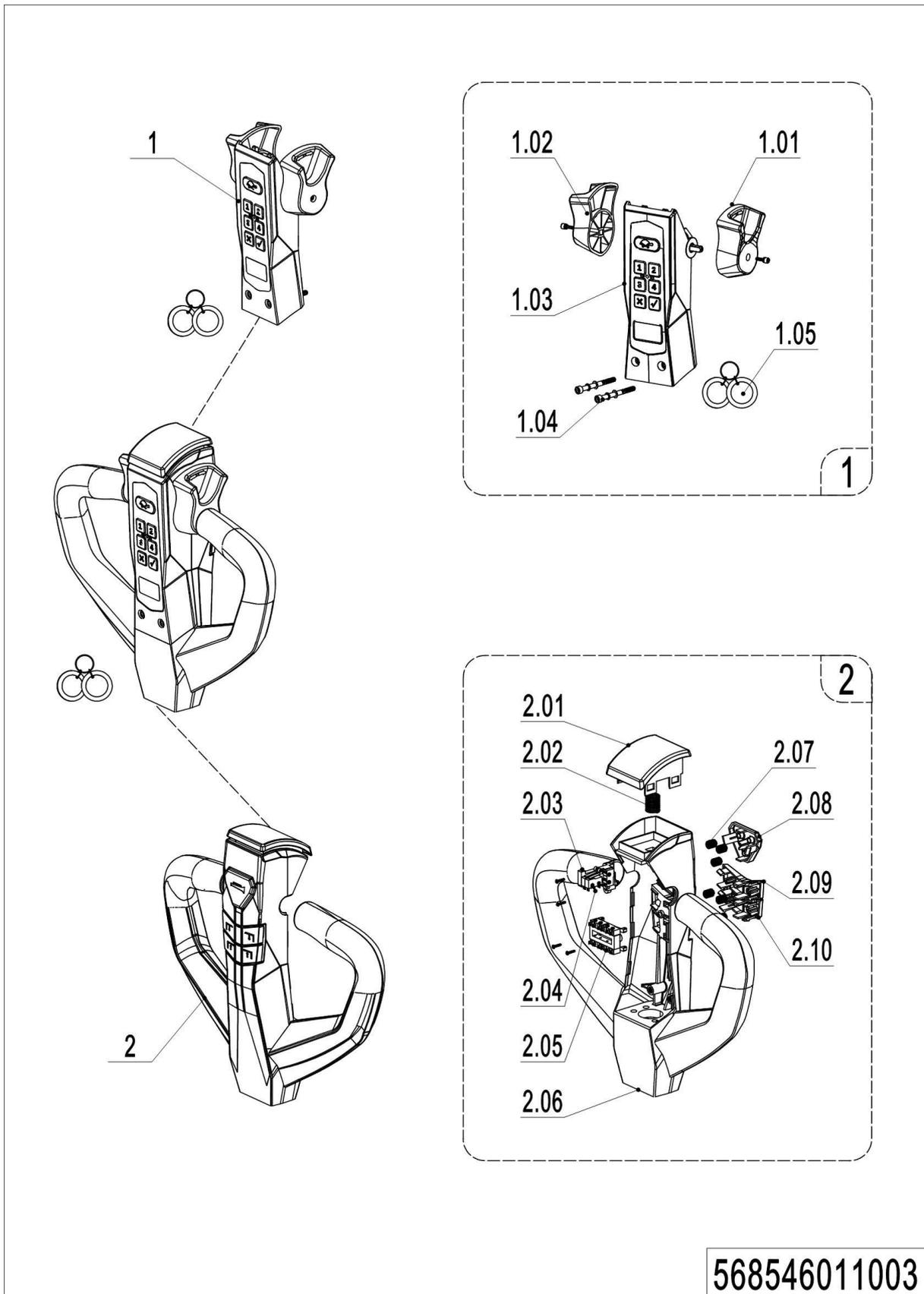


1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

02 Control Handle (565856011002)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
--	922100100262		Control Handle	1		
1	568598510000	2	Accelerator Assembly	1		
1.01	532298520020	2	Dial Key	1		
1.02	532298520021	2	Dial Key	1		
1.03	568598520000	2	PCB Assembly	1		
1.04	509998520065	2	Bolt M5x50	2		
2	540298510001	2	Tiller Assembly	1		
2.01	540298520001		Button	1		
2.02	509998520071	1	Spring	1		
2.03	509998520070		Screw	5		
2.04	540298520002	1	Wire Harness Kits	1		
2.05	509998520032		Wire Harness Kits	1		
2.06	540298520003	1	Handle cap	1		
2.07	509998520029	1	Spring	1		
2.08	540298520004	2	Button	1		
2.09	540298520005	2	Button	1		
2.10	540298520006	2	Button	1		

03 Control Handle (With password lock)(568546011003)



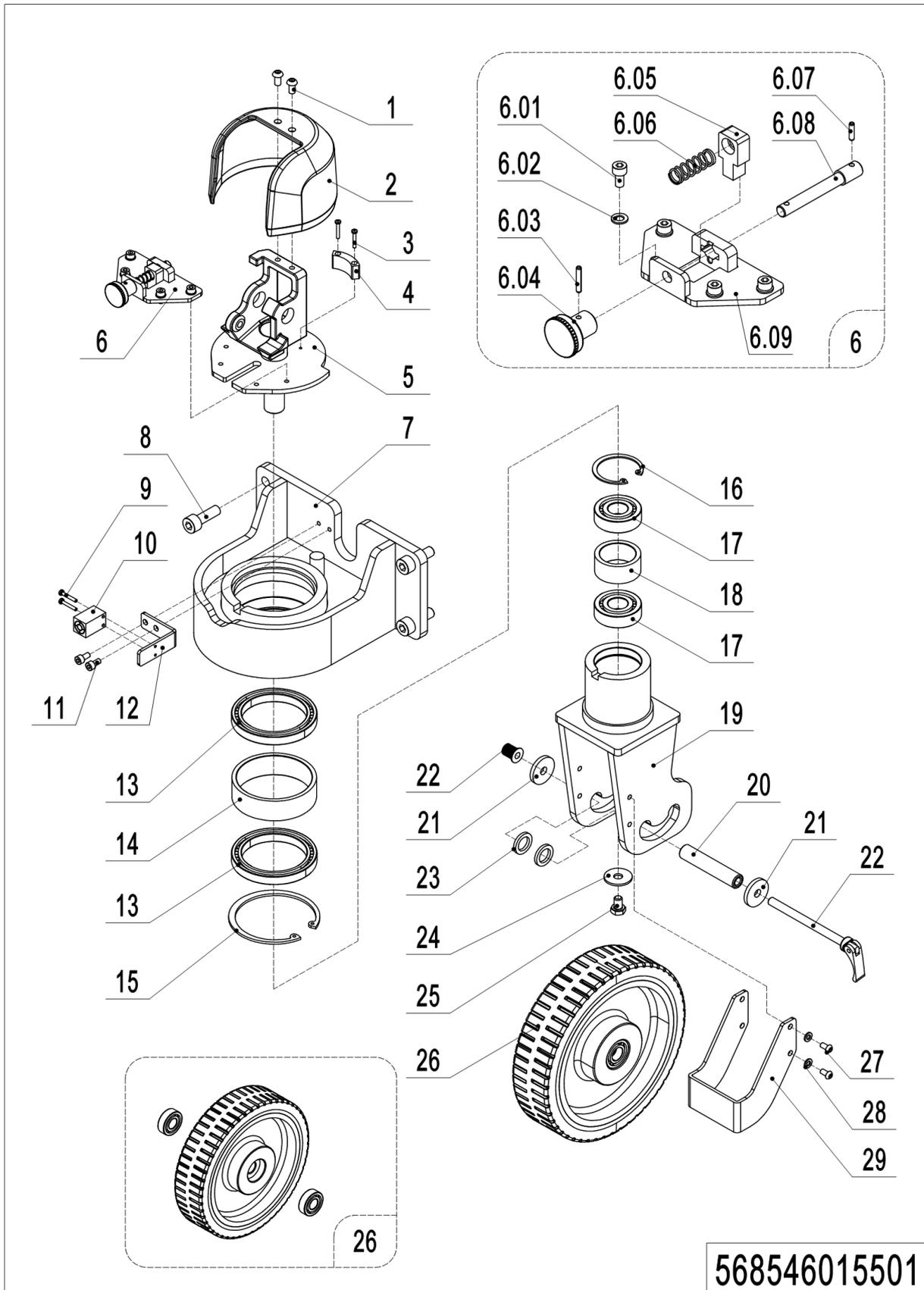
03 Control Handle (With password lock) (568546011003)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
--	922100100141		Control Handle	1		
1	507698510006		Accelerator Assembly	1		
1.01	532298520020		Dial Key	1		
1.02	532298520021		Dial Key	1		
1.03	507698520008		PCB Assembly	1		
1.04	509998520065		Bolt M5x50	2		
1.05	507698520001		ID Card	1		
2	540298510001		Tiller Assembly	1		
2.01	540298520001		Button	1		
2.02	509998520071		Spring	1		
2.03	509998520070		Screw	5		
2.04	540298520002		Wire Harness Kits	1		
2.05	509998520032		Wire Harness Kits	1		
2.06	540298520003		Handle cap	1		
2.07	509998520029		Spring	7		
2.08	540298520004		Button	1		
2.09	540298520005		Button	1		
2.10	540298520006		Button	1		

04 Steering wheel (568546015501)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	910200300017		Screw M6x12	2		
2	532211020001		Guard Cover	1		
3	910200500015		Screw M3x20	2		
4	508533020000		Induction Block	1		
5	568515510003		Tiller Bracket	1		
6	568598510002		Shift Lock Kits	1		
6.01	910200200021		Screw M5x10	4		
6.02	910400100004		Washer	4		
6.03	910600400004		Spring Pin	1		
6.04	568515520022		Handle	1		
6.05	568515520015		Stop Dog	1		
6.06	568515520017		Spring	1		
6.07	910600400002		Spring Pin	1		
6.08	568515520016		Pin Shaft	1		
6.09	568515510004		Mounting Base	1		
7	568515510000		Wheel Mount	1		
8	910200200076		Screw M10x25	4		
9	910200500015		Screw M3x20	2		
10	920200400051		Proximity Switch	1		
11	910200300011		Screw M5x10	2		
12	568521520039		Mounting Plate	1		
13	910700200082		Bearing	2		
14	568515520004		Spacer Bush	1		
15	910401400032		Circlip(Hole)	1		
16	910401400013		Circlip(Hole)	1		
17	910700200019		Bearing	2		
18	568515520005		Spacer Bush	1		
19	568515510002		Wheel Carrier	1		
20	568515520021		Bushing	1		
21	568515520011		Washer	2		

04 Steering wheel (568546015501) Continuation



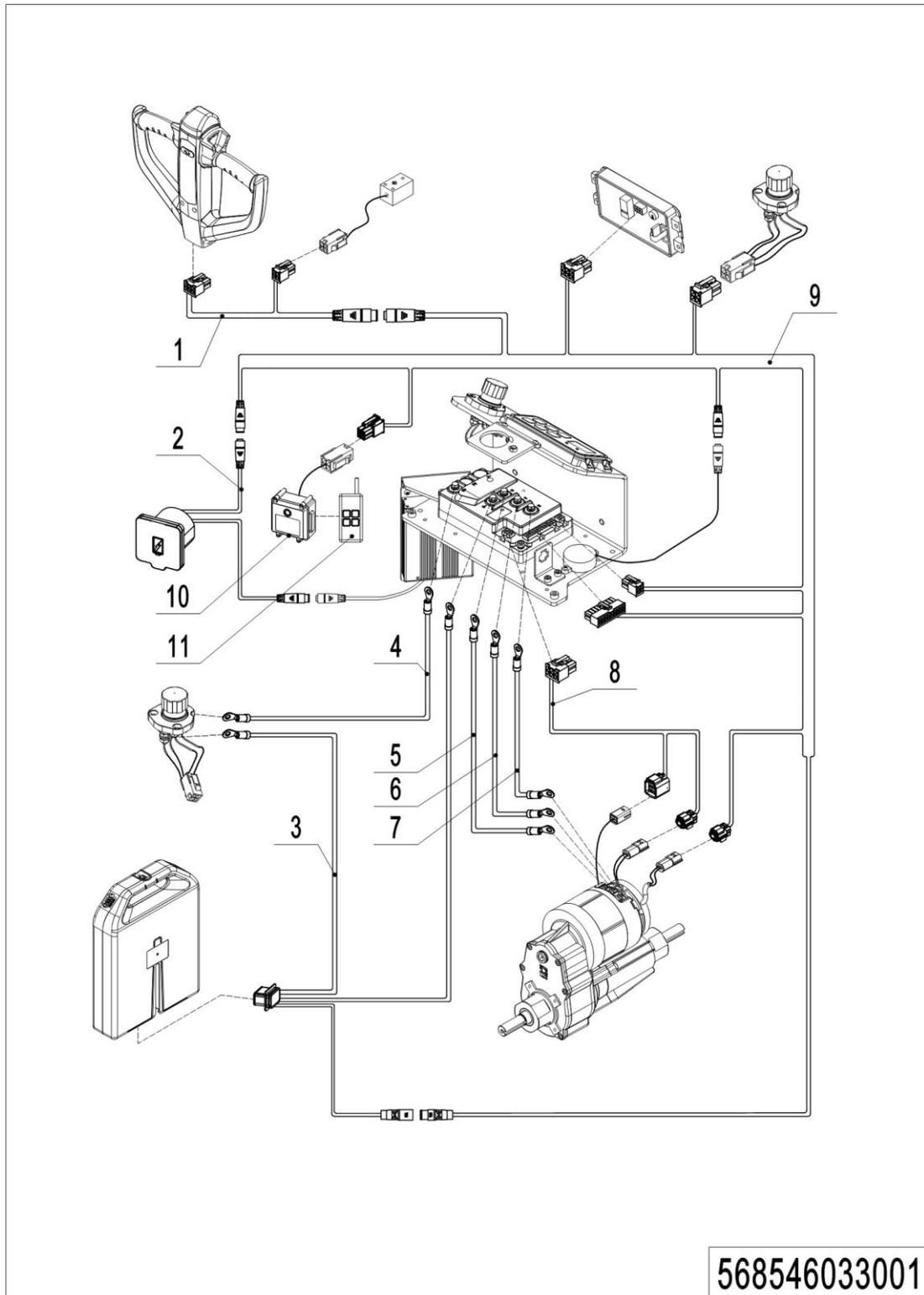
1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

04 Steering wheel (565846015501) Continuation

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
22	568515510001		Quick-release Mechanism	1		
23	568515520012		Washer	2		
24	271514021004		Washer	1		
25	910100300019		Bolt M8x12	1		
26	940300300083		Wheel	1		
27	910200300017		Screw M6x12	4		
28	910400100005		Washer	4		
29	568515520019		Protective Cover	1		

Chapter 4: Electrical Parts

01 Wire Harness 200i (20Ah battery with external charger) (568546033001)

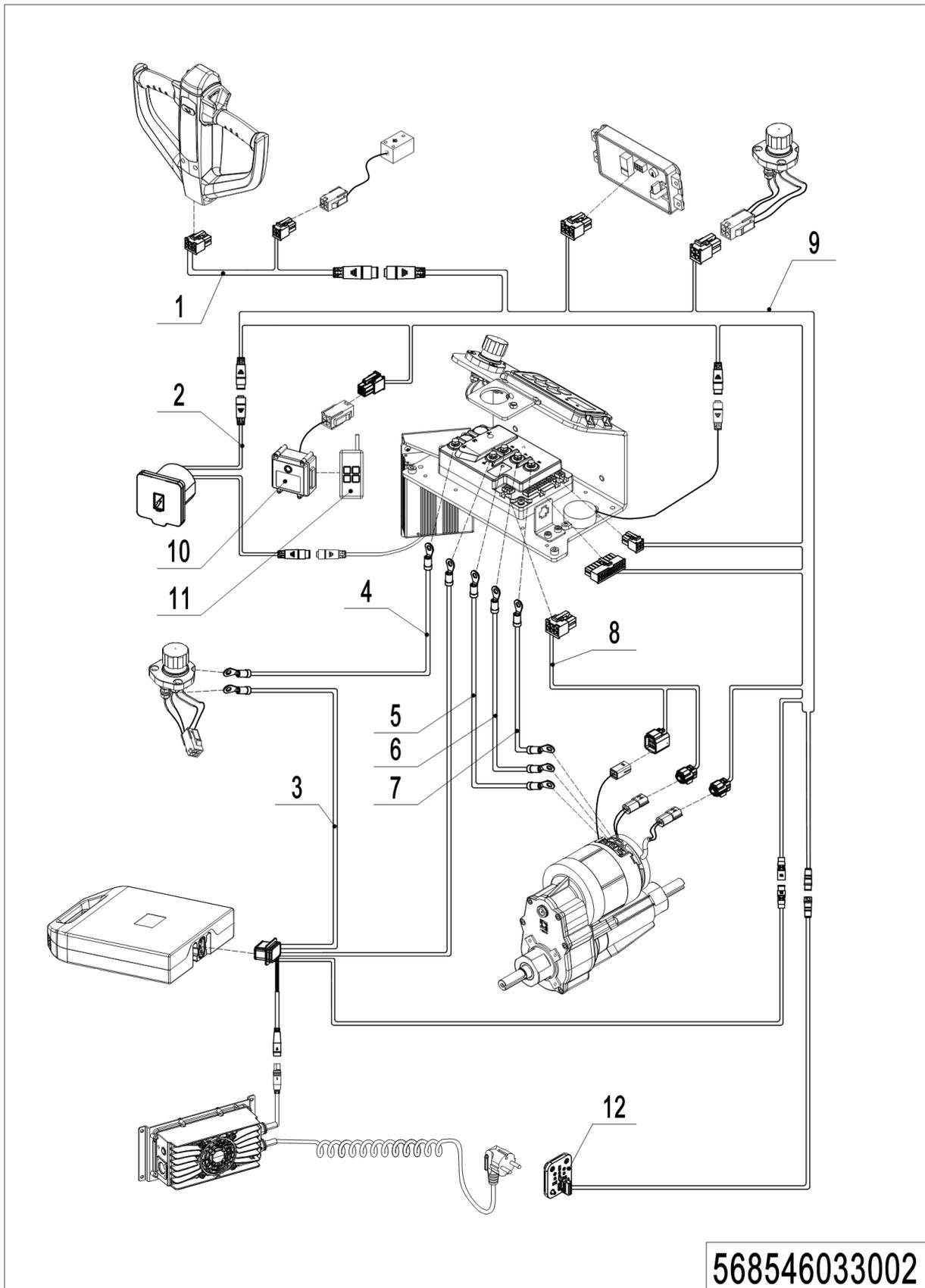


1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

01 Wire Harness 200i (20Ah battery with external charger) (565446033001)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	--	5	Wire Harness	1		Check 568546011001, No.6
2	921500100435	2	Wire	1		
3	568533010008	2	Wire Harness	1		
4	568533010004	2	Connection Wire	1		
5	568533010010	2	Connection Wire	1		
6	568533010011	2	Connection Wire	1		
7	568533010012	2	Connection Wire	1		
8	568533010013	2	Wire Harness	1		
9	568533010006	2	Wire Harness	1		With coded Lock
9	568533010014	2	Wire Harness	1		Without coded Lock
10	568598520011		Receiver	1		Optional
11	568598520010		Emitter	1		Optional

02 Wire Harness 200i (20Ah battery with built-in charger) (568546033002)

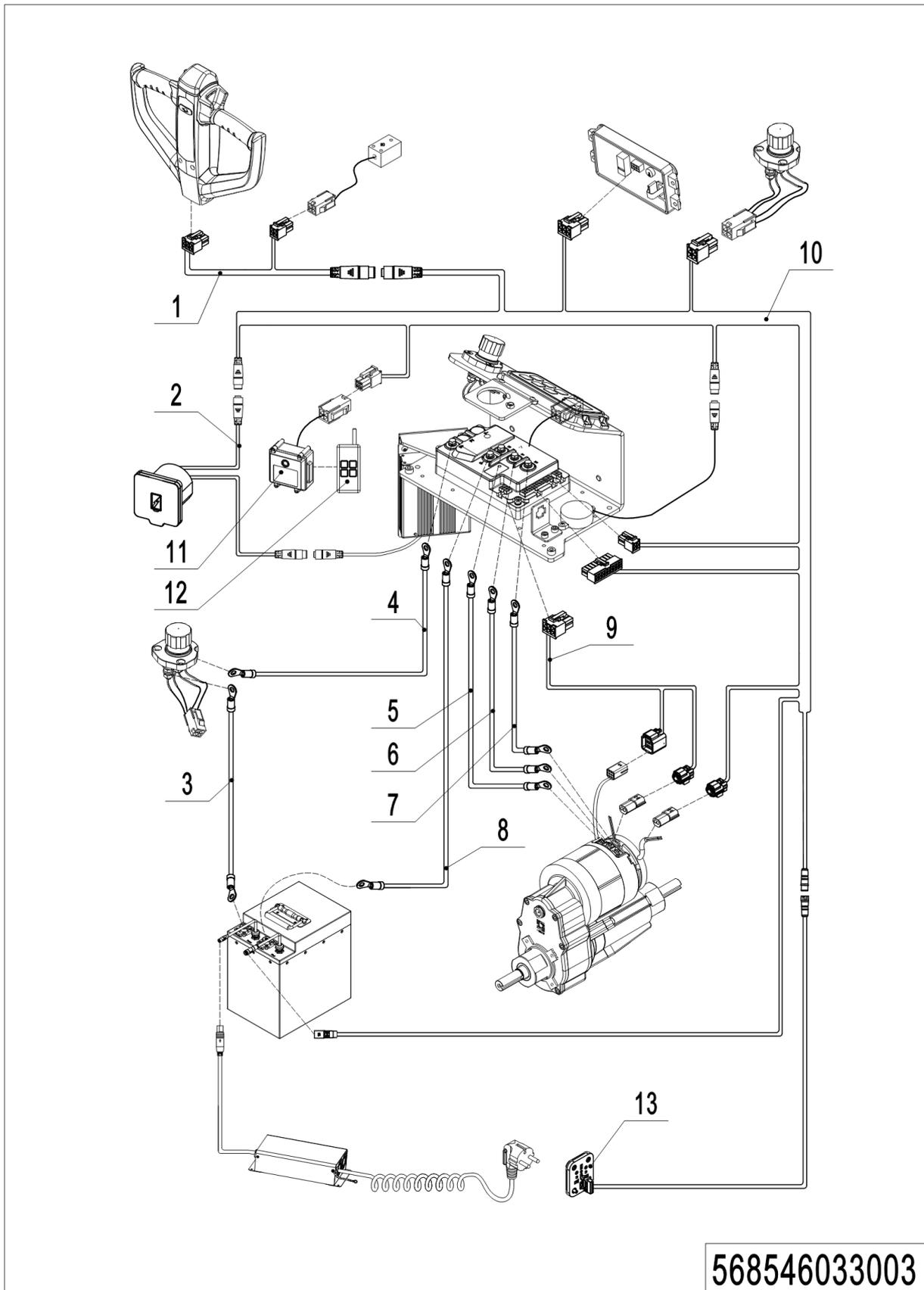


1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

02 Wire Harness 200i (20Ah battery with built-in charger) (565446033002)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	--	5	Wire Harness	1		Check 568546011001, No.6
2	921500100435	2	Wire	1		
3	568533010009	2	Wire Harness	1		
4	568533010004	2	Connection Wire	1		
5	568533010010	2	Connection Wire	1		
6	568533010011	2	Connection Wire	1		
7	568533010012	2	Connection Wire	1		
8	568533010013	2	Wire Harness	1		
9	568533010007	2	Wire Harness	1		With coded Lock
9	568533010015	2	Wire Harness	1		Without coded Lock
10	568598520011		Receiver	1		Optional
11	568598520010		Emitter	1		Optional
12	920400300036	2	Socket	1		CH / BRA / JPAN / ENG / ITA / USA
12	920400300035	2	Socket	1		EU

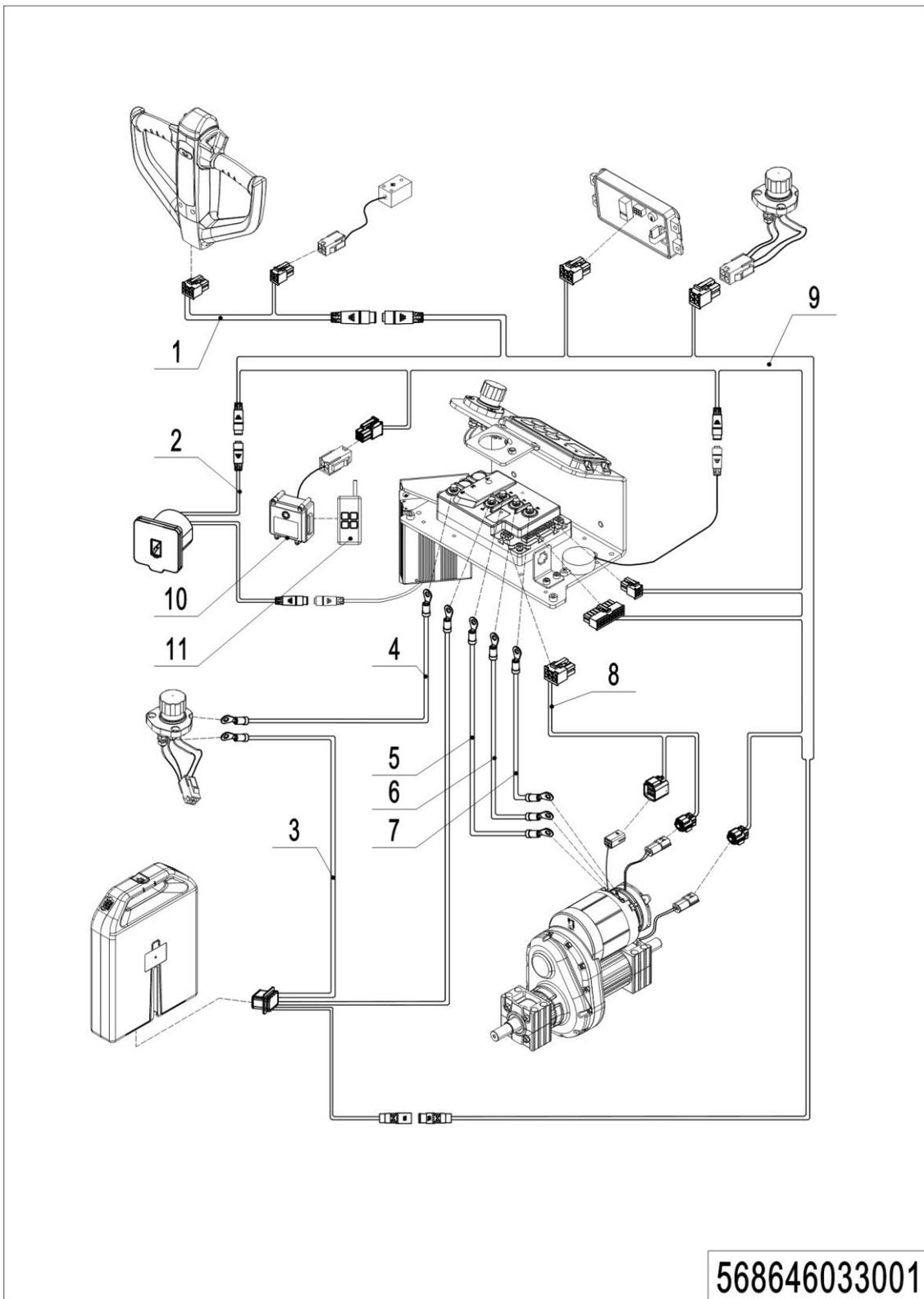
03 Wire Harness 200i (36Ah battery with built-in charger) (568546033003)



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

03 Wire Harness 200i (36Ah battery with built-in charger) (565446033003)

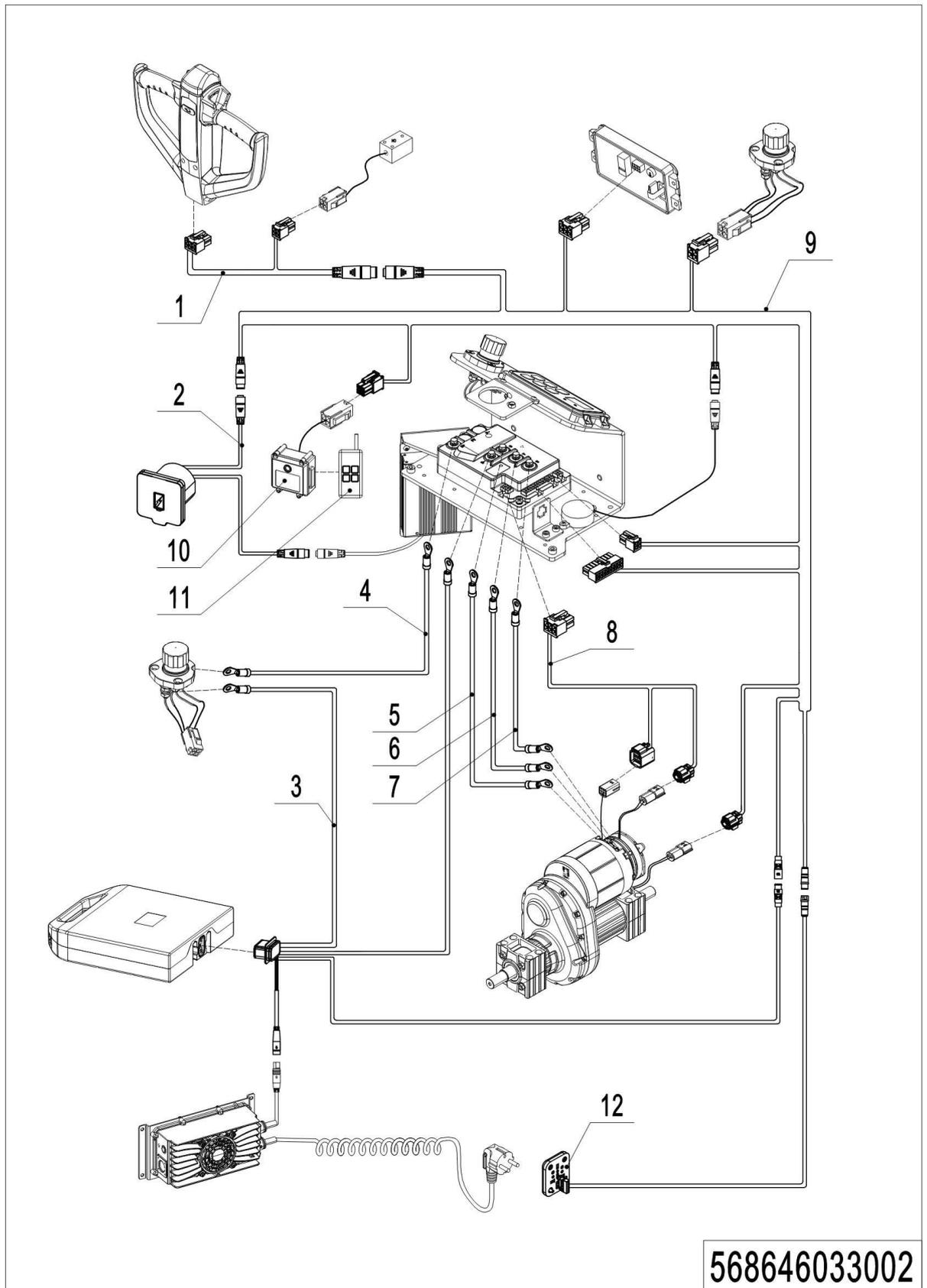
No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	--	5	Wire Harness	1		Check 568546011001, No.6
2	921500100435	2	Wire	1		
3	568533010002	2	Connection Wire	1		
4	568533010004	2	Connection Wire	1		
5	568533010010	2	Connection Wire	1		
6	568533010011	2	Connection Wire	1		
7	568533010012	2	Connection Wire	1		
8	568533010002	2	Connection Wire	1		
9	568533010013	2	Wire Harness	1		
10	568533010007	2	Wire Harness	1		With coded Lock
10	568533010015	2	Wire Harness	1		Without coded Lock
11	568598520011		Receiver	1		Optional
12	568598520010		Emitter	1		Optional
13	920400300036	2	Socket	1		CH / BRA / JAPAN / ENG / ITA / USA
13	920400300035	2	Socket	1		EU

04 Wire Harness 300i (20Ah battery with external charger) (568646033001)

04 Wire Harness 200i (20Ah battery with external charger) (568646033001)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	--	5	Wire Harness	1		Check 568546011001, No.6
2	921500100435	2	Wire	1		
3	568533010008	2	Wire Harness	1		
4	568533010004	2	Connection Wire	1		
5	568633010001	2	Connection Wire	1		
6	568633010002	2	Connection Wire	1		
7	568633010003	2	Connection Wire	1		
8	568533010013	2	Wire Harness	1		
9	568533010006	2	Wire Harness	1		With coded Lock
9	568533010014	2	Wire Harness	1		Without coded Lock
10	568598520011		Receiver	1		Optional
11	568598520010		Emitter	1		Optional

05 Wire Harness 300i (20Ah battery with built-in charger) (568646033002)

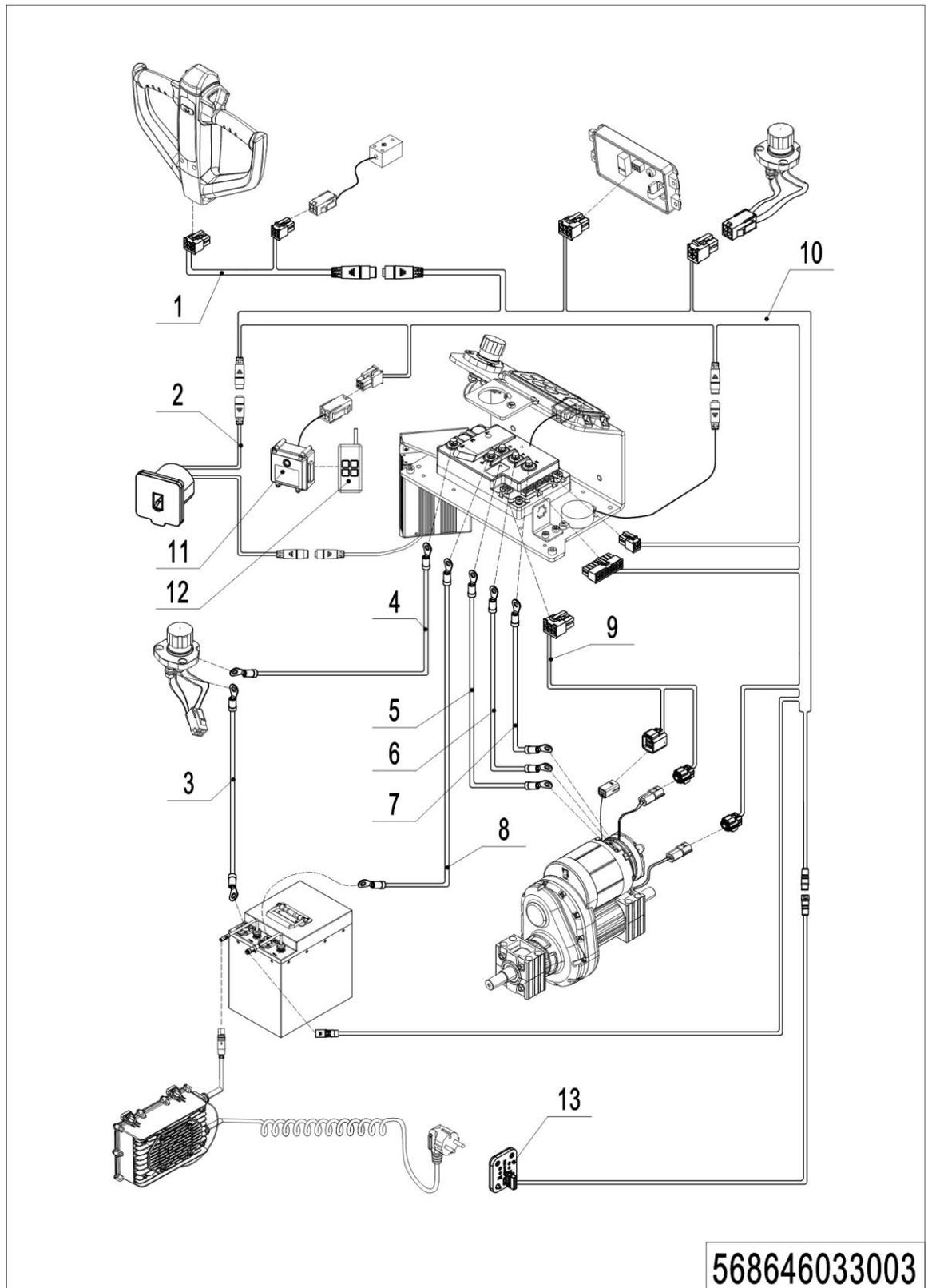


568646033002

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

05 Wire Harness 300i (20Ah battery with built-in charger) (568646033002)

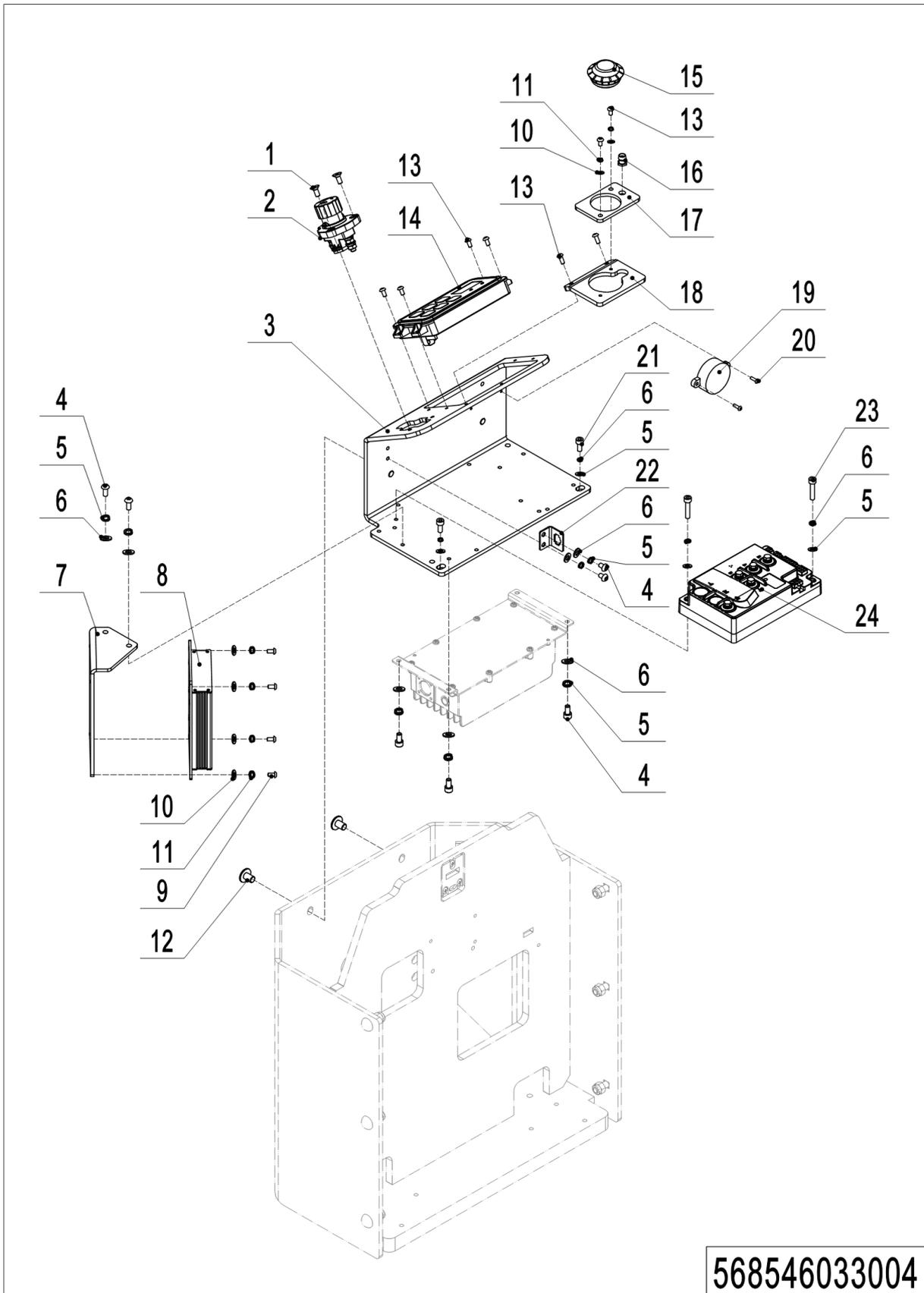
No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	--	5	Wire Harness	1		Check 568546011001, No.6
2	921500100435	2	Wire	1		
3	568533010009	2	Wire Harness	1		
4	568533010004	2	Connection Wire	1		
5	568633010001	2	Connection Wire	1		
6	568633010002	2	Connection Wire	1		
7	568633010003	2	Connection Wire	1		
8	568533010013	2	Wire Harness	1		
9	568533010007	2	Wire Harness	1		With coded Lock
9	568533010015	2	Wire Harness	1		Without coded Lock
10	568598520011		Receiver	1		Optional
11	568598520010		Emitter	1		Optional
12	920400300036	2	Socket	1		CH / BRA / JPAN / ENG / ITA / USA
12	920400300035	2	Socket	1		EU

06 Wire Harness 300i (36Ah battery with built-in charger) (568546033003)

06 Wire Harness 300i (36Ah battery with built-in charger) (568546033003)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	--	5	Wire Harness	1		Check 568546011001, No.6
2	921500100435	2	Wire	1		
3	568533010002	2	Connection Wire	1		
4	568533010004	2	Connection Wire	1		
5	568633010001	2	Connection Wire	1		
6	568633010002	2	Connection Wire	1		
7	568633010003	2	Connection Wire	1		
8	568533010002	2	Connection Wire	1		
9	568533010013	2	Wire Harness	1		
10	568533010007	2	Wire Harness	1		With coded Lock
10	568533010015	2	Wire Harness	1		Without coded Lock
11	568598520011		Receiver	1		Optional
12	568598520010		Emitter	1		Optional
13	920400300036	2	Socket	1		CH / BRA / JPAN / ENG / ITA / USA
13	920400300035	2	Socket	1		EU

07 Controller Assembly (568546033004)

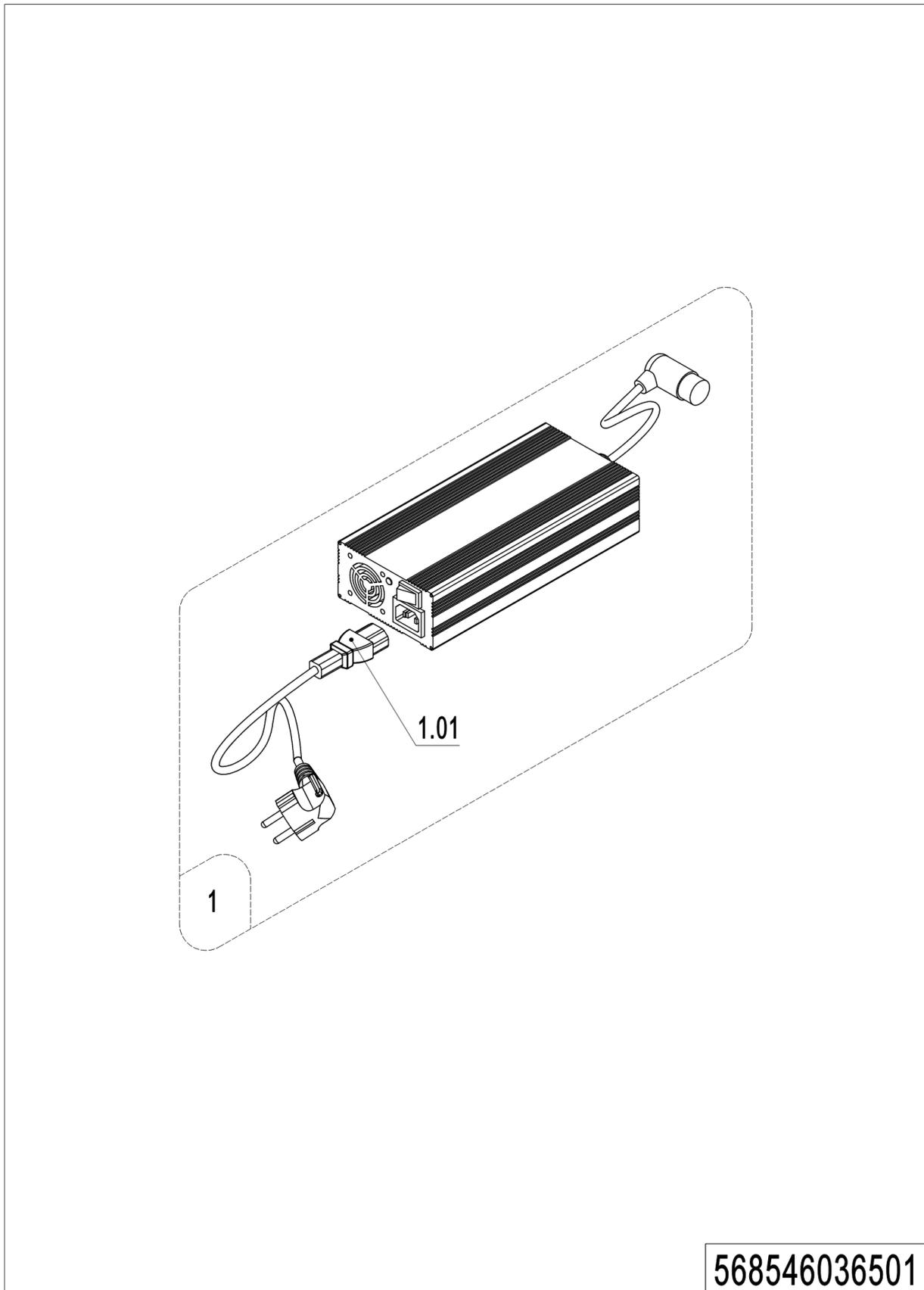


568546033004

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

07 Controller Assembly (568546033004)

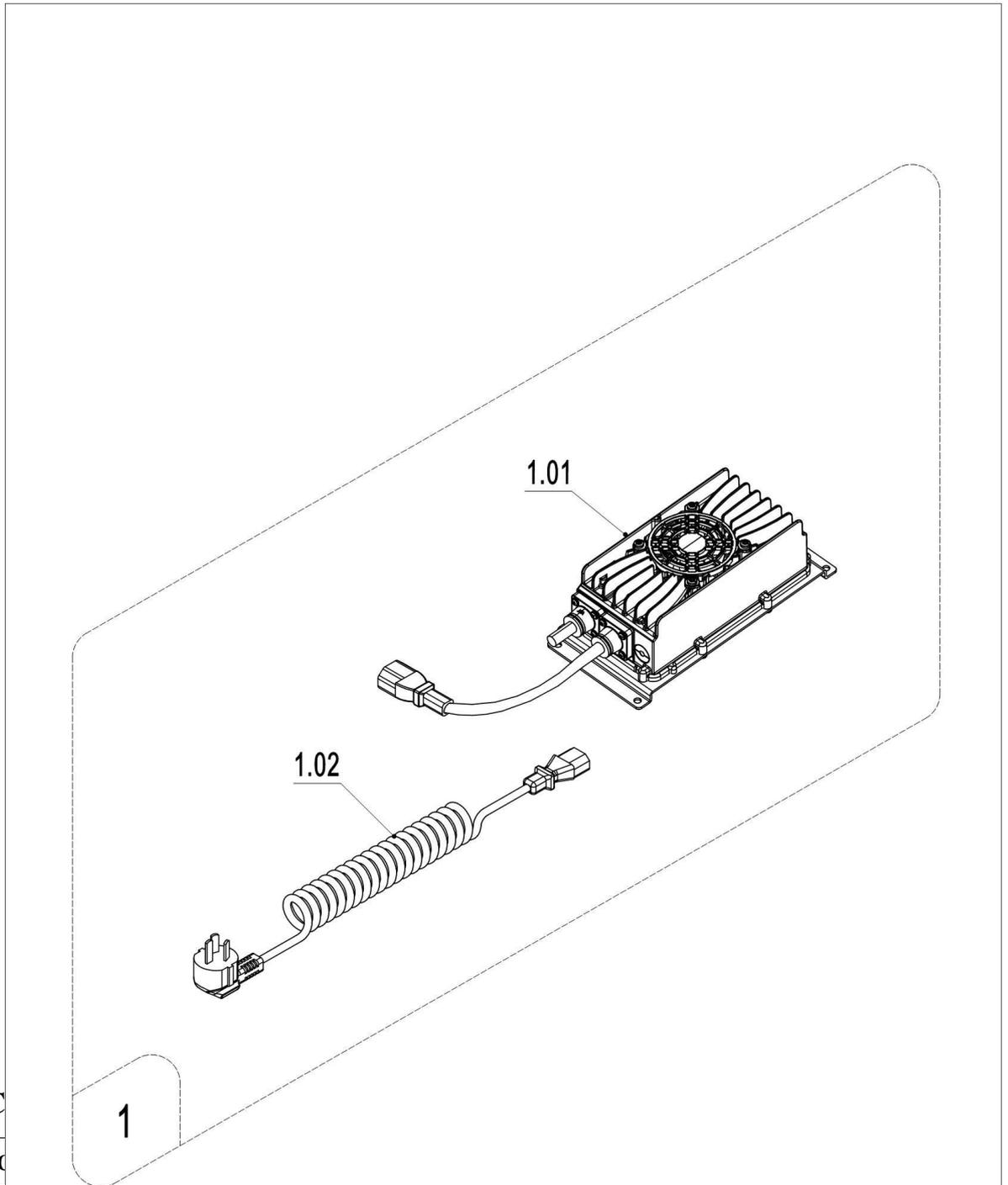
No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	910200400010		Screw M5x10	2		
2	920200100027		Emergency Switch	1		
3	568510020000		Mounting Plate	1		
4	910200300011		Screw M5x10	7		
5	910400500004		Spring Washer	12		
6	910400100004		Washer	12		
7	568533520000		Mounting Plate	1		
8	921900100030		Converter	1		
9	910200500034		Screw M4x8	5		
10	910400100003		Flat Washer	5		
11	910400500003		Spring Washer	5		
12	941100100001		Screw M8x12	2		
13	910200300005		Screw M4x8	8		
14	920200200030		Coded Lock	2		
15	568535510001		Warning Light	1		
16	922000100024		Lamp Holder	1		Built-in charger
16	568598510008		Screw and Nut Kits	1		External charger
17	568533520002		Mounting Plate	1		
18	568533520001		Mounting Plate	1		
19	920500100010		Horn Buzzer	1		
20	910200300002		Screw M3x8	2		
21	910200200022		Screw M5x12	2		
22	921300300003		Fixed Bracket	1		
23	910200200025		Screw M5x25	2		
24	568533210002		Controller	1		TWS-200i
24	568633210002		Controller	1		TWS-300i

08 External Charger (568546036501)

08 External Charger (568546036501)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	508536510031		Charger 48V9A(ARG)	1		
1	508536510026		Charger 48V9A(AUS)	1		
1	508536510030		Charger 48V9A(BRA)	1		
1	508536510033		Charger 48V9A(ZA-L)	1		
1	508536510034		Charger 48V9A(ZA-S)	1		
1	508536510024		Charger 48V9A(KR)	1		
1	508536510015		Charger 48V9A(US)	1		
1	508536510025		Charger 48V9A(EU)	1		
1	508536510028		Charger 48V9A(CH)	1		
1	508536510047		Charger 48V9A(Asia)	1		
1	508536510029		Charger 48V9A(ISR)	1		
1	508536510027		Charger 48V9A(ITA)	1		
1	508536510032		Charger 48V9A(ENG)	1		
1.01	921500200050		Power Cord(ARG)	1		
1.01	921500200024		Power Cord(AUS)	1		
1.01	921500200049		Power Cord(BRA)	1		
1.01	921500200063		Power Cord(ZA-L)	1		
1.01	921500200064		Power Cord(ZA-S)	1		
1.01	921500200023		Power Cord(USA)	1		
1.01	921500200022		Power Cord(EU)	1		KR/EU
1.01	921500200026		Power Cord(CH)	1		
1.01	921500200021		Power Cord(Asia)	1		
1.01	921500200028		Power Cord(ISR)	1		
1.01	921500200025		Power Cord(ITA)	1		
1.01	921500200027		Power Cord(ENG)	1		

09 Built-in Charger(48V8A) (568546036502)



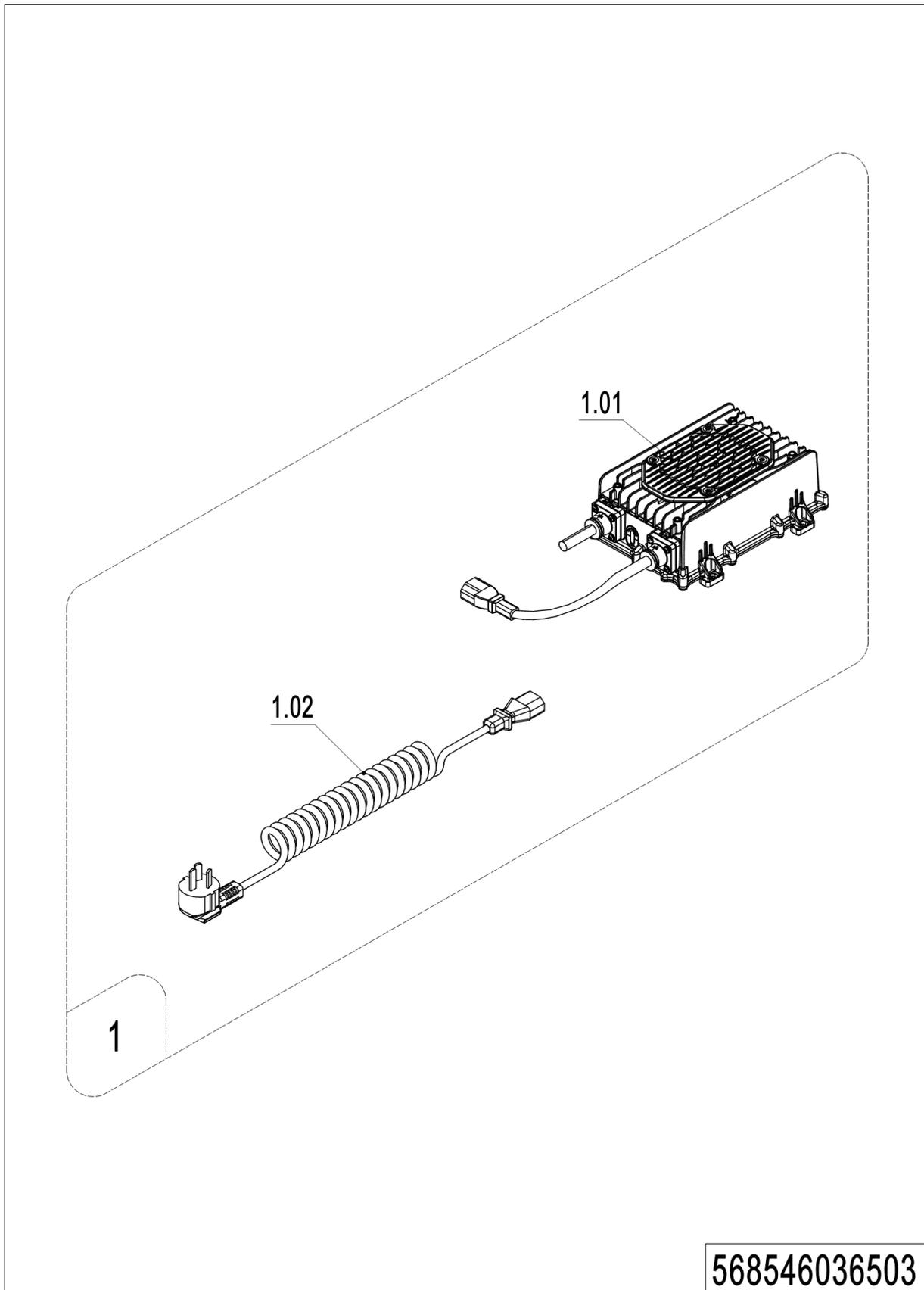
09 Built-in C

No.	Item C
1	5685365
1	5685365
1	5685365
1	5685365
1	5685365

568546036502

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

1	568536510004		Charger 48V8A(CH)	1		
1	568536510008		Charger 48V8A(Asia)	1		
1	568536510005		Charger 48V8A(ISR)	1		
1	568536510003		Charger 48V8A(ITA)	1		
1	568536510009		Charger 48V8A(ENG)	1		
1.01	921000100135	2	Charger 48V8A	1		
1.02	921500200037	2	Spring Cable(ARG)	1		
1.02	921500200003	2	Spring Cable(AUS)	1		
1.02	921500200061	2	Spring Cable(BRA)	1		
1.02	921500200002	2	Spring Cable(USA)	1		
1.02	921500200005	2	Spring Cable(EU)	1		
1.02	921500200007	2	Spring Cable(CH)	1		
1.02	921500200008	2	Spring Cable(Asia)	1		
1.02	921500200029	2	Spring Cable(ISR)	1		
1.02	921500200006	2	Spring Cable(ITA)	1		
1.02	921500200004	2	Spring Cable(ENG)	1		

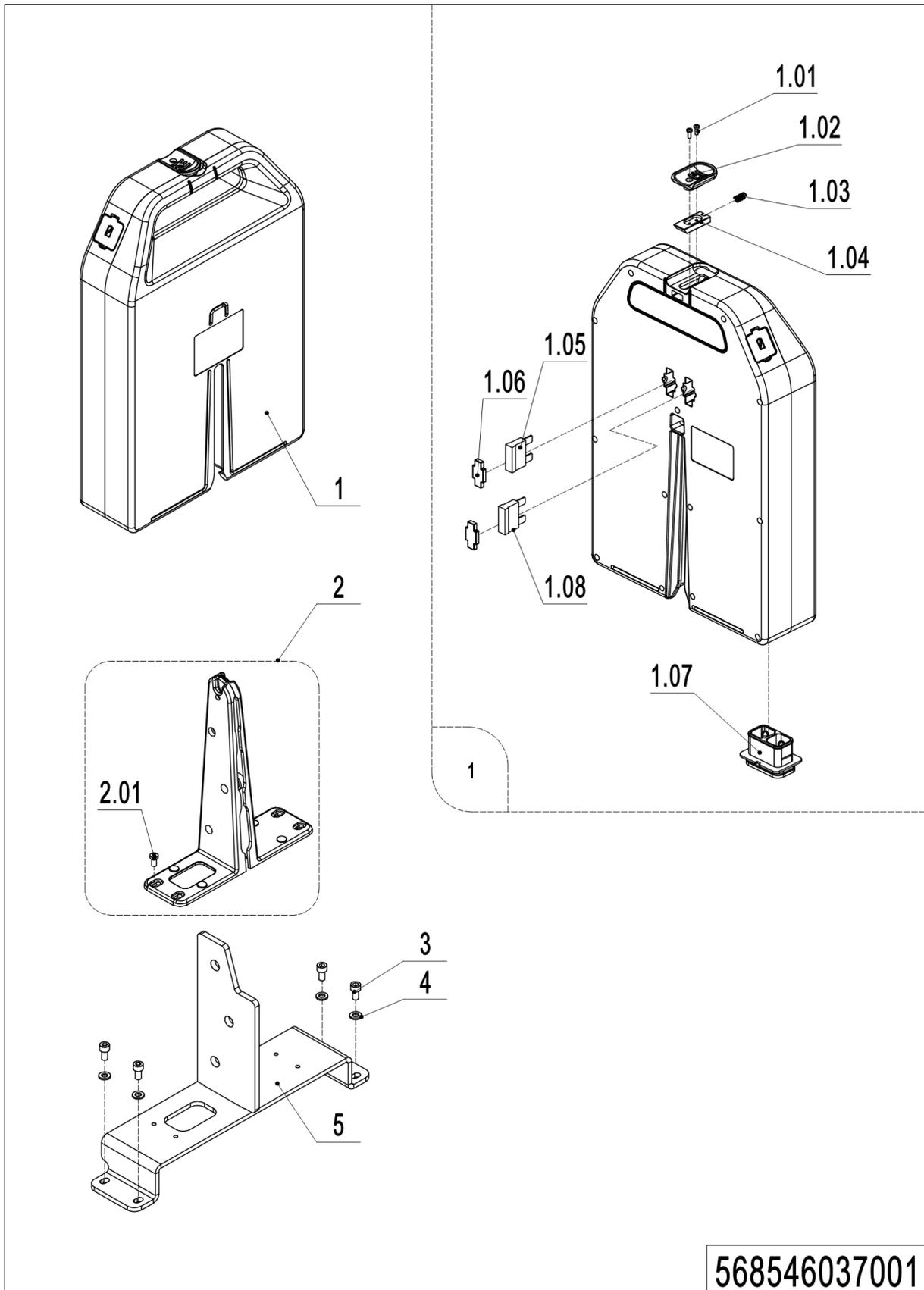
10 Built-in Charger(48V12A) (568546036503)

10 Built-in Charger(48V12A) (568546036503)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	568536510017		Charger 48V12A(ARG)	1		
1	568536510012		Charger 48V12A(AUS)	1		
1	568536510016		Charger 48V12A(BRA)	1		
1	568536510020		Charger 48V12A(USA)	1		
1	568536510011		Charger 48V12A(EU)	1		
1	568536510014		Charger 48V12A(CH)	1		
1	568536510018		Charger 48V12A(Asia)	1		
1	568536510015		Charger 48V12A(ISR)	1		
1	568536510013		Charger 48V12A(ITA)	1		
1	568536510019		Charger 48V12A(ENG)	1		
1.01	921000100139	2	Charger 48V12A	1		
1.02	921500200037	2	Spring Cable(ARG)	1		
1.02	921500200003	2	Spring Cable(AUS)	1		
1.02	921500200061	2	Spring Cable(BRA)	1		
1.02	921500200002	2	Spring Cable(USA)	1		
1.02	921500200005	2	Spring Cable(EU)	1		
1.02	921500200007	2	Spring Cable(CH)	1		
1.02	921500200008	2	Spring Cable(Asia)	1		
1.02	921500200029	2	Spring Cable(ISR)	1		
1.02	921500200006	2	Spring Cable(ITA)	1		
1.02	921500200004	2	Spring Cable(ENG)	1		

11 Traction Battery (48V20Ah)(568546037001)

Note: Use the external charger



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

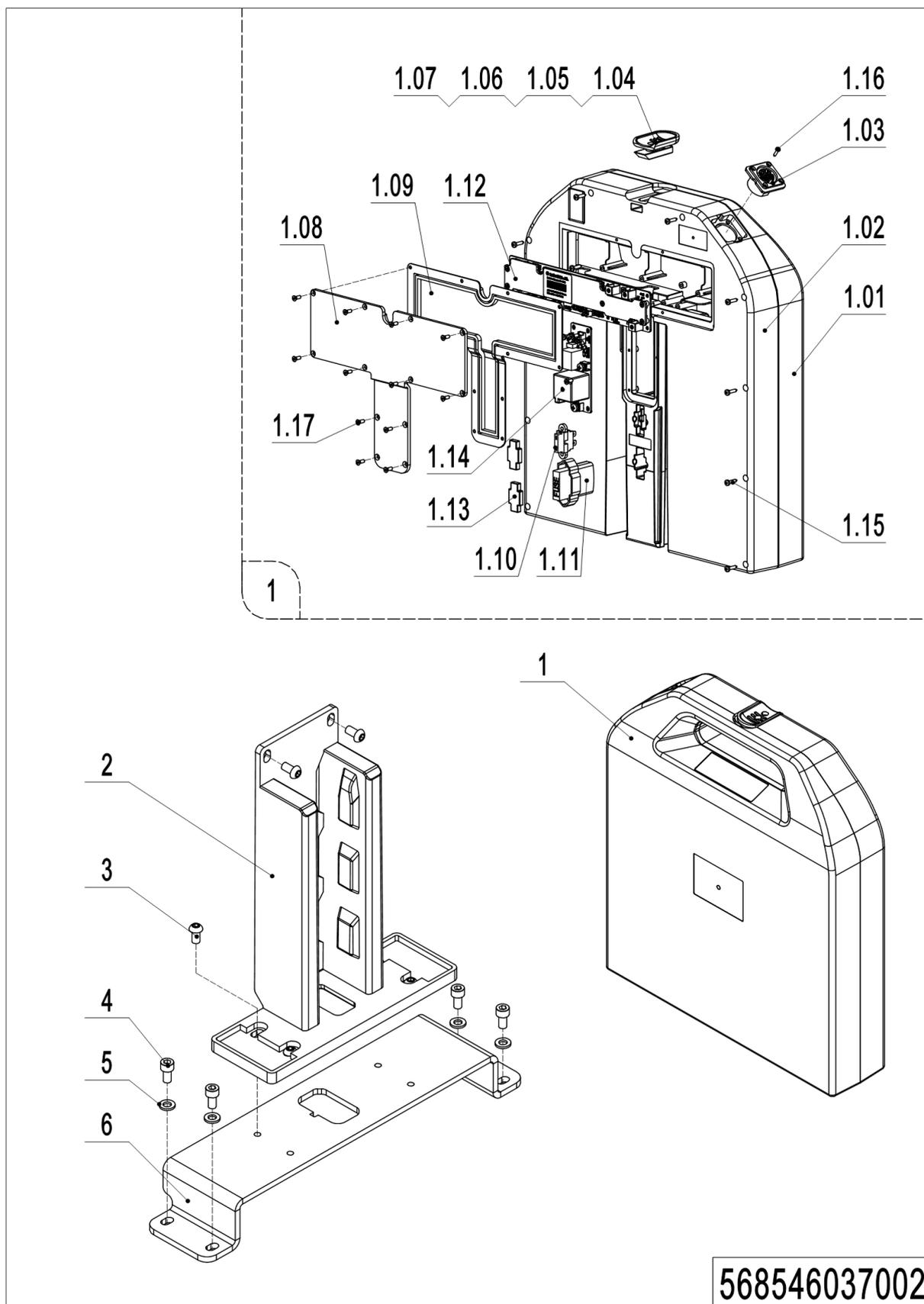
11 Traction Battery (48V20Ah) (568546037001)

Note: Use the external charger

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	508537010003		Li-Battery48V20Ah	1		FDE,EN1175-2020
1	508537010008		Li-Battery48V20Ah	1		XNL,EN1175-2020
1	508537010007		Li-Battery48V20Ah	1		XNL,UL
1.01	910200500011	1	Screw M3x10	2		
1.02	508098520022		Plastic Handle	1		
1.03	508098520024		Spring	1		
1.04	508098520023		Fixed Mount	1		
1.05	920100200018		Fuse	1		
1.06	508098520021		waterproof Plug	1		
1.07	508098510069		Rubber Cover	1		
1.08	920100200017		Fuse	1		
2	508033010020		Battery Base Kits	1		
2.01	508098520147		Screw M5x10	4		
3	910200200033		Screw M6x12	4		
4	910400100005		Washer	4		
5	568512510000		Mounting Base	1		

12 Traction Battery (48V20Ah) (568546037002)

Note: Use the 48V8A build-in charger



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

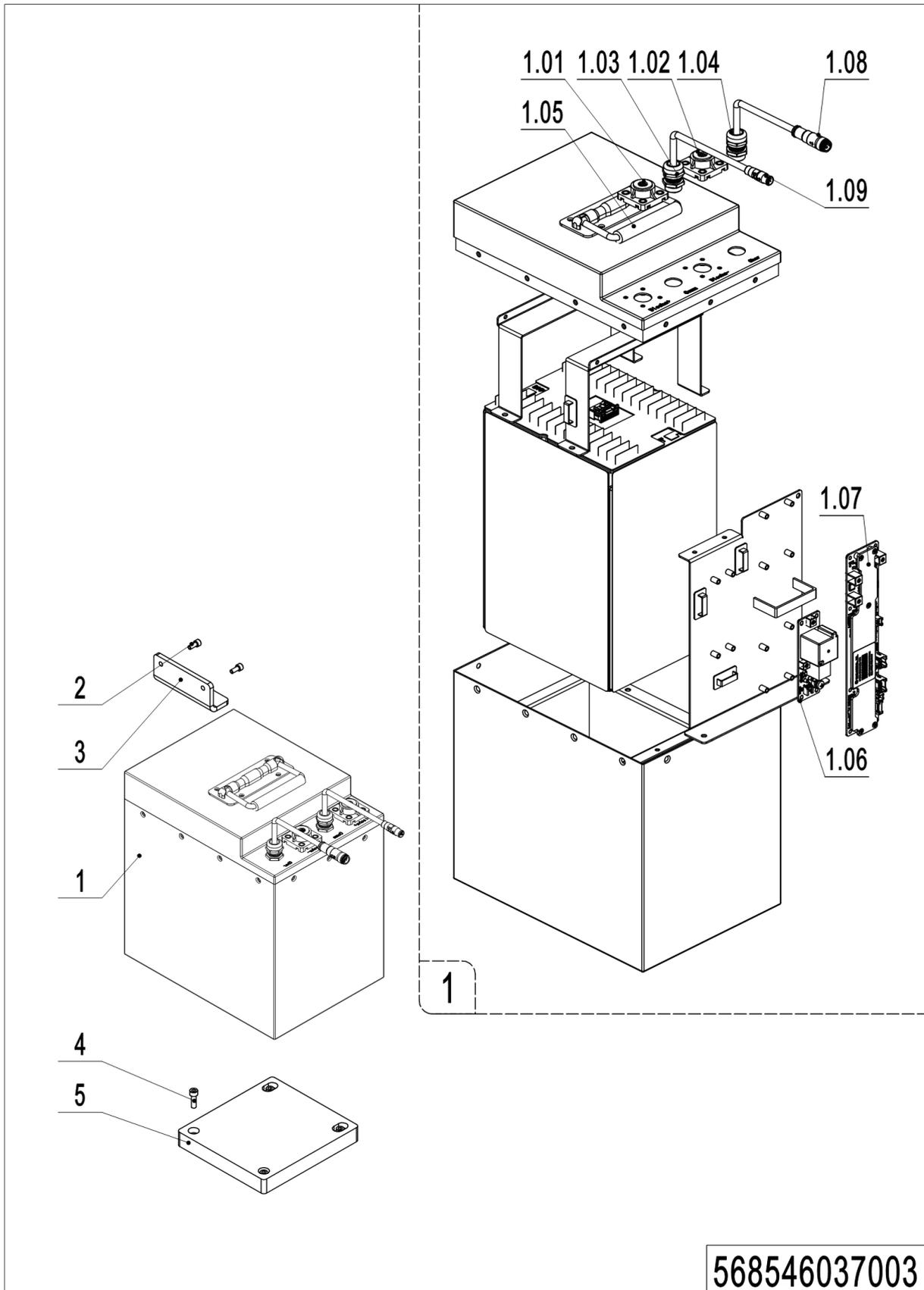
12 Traction Battery (48V20Ah) (565446037002)

Note: Use the 48V8A build-in charger

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	920600100435		Li-Battery48V20Ah	1		
1	920600100640		Li-Battery48V20Ah	1		With heating
1.01	507798520001		Cover	1		
1.02	507798520002		Shell	1		
1.03	920400200261		Connector Assembly	1		
1.04	508098520023		Fixed Mount	1		
1.05	508098520022		Plastic Handle	1		
1.06	508098520024		Spring	1		
1.07	910200500011		Screw M3x10	2		
1.08	507798520003		Close Plate	1		
1.09	507798520004		Sealing Ring	1		
1.10	920100200017		Fuse	1		
1.11	920100200018		Fuse	1		
1.12	507798520007		Battery protection board	1		
1.13	509998520054		Plug	2		
1.14	507798520009		Protection Module	1		
1.15	507798520025		Screw	12		
1.16	507798520026		Screw M3	4		
1.17	507798520027		Screw M3	12		
2	920600100436		Guide column	1		
3	910200300017		Screw M6x12	6		
4	910200200033		Screw M6x12	4		
5	910400100005		Washer	4		
6	568512520002		Mounting Plate	1		

13 Traction Battery (48V36Ah) (568546037003)

Note: Use the build-in charger



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

13 Traction Battery (48V36Ah) (568546037003)

Note: Use the build-in charger

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	920600100868		Li-Battery 48V36Ah	1		
1.01	568598520001		Wiring Terminal(+)	1		
1.02	568598520002		Wiring Terminal(-)	1		
1.03	568598520003		Cable Gland(Debug Port)	1		
1.04	568598520004		Cable Gland(Charging Port)	1		
1.05	568598520005		Handle	1		
1.06	568598520006		Protection Module	1		
1.07	568598520007		BMS	1		
1.08	568598520008		Wire Harness	1		
1.09	568598520009		Wire Harness	1		
2	910200200022		Screw M5x12	2		
3	203821520041		Press Plate	1		
4	910200200036		Screw M6x20	4		
5	568512520003		Plate	1		

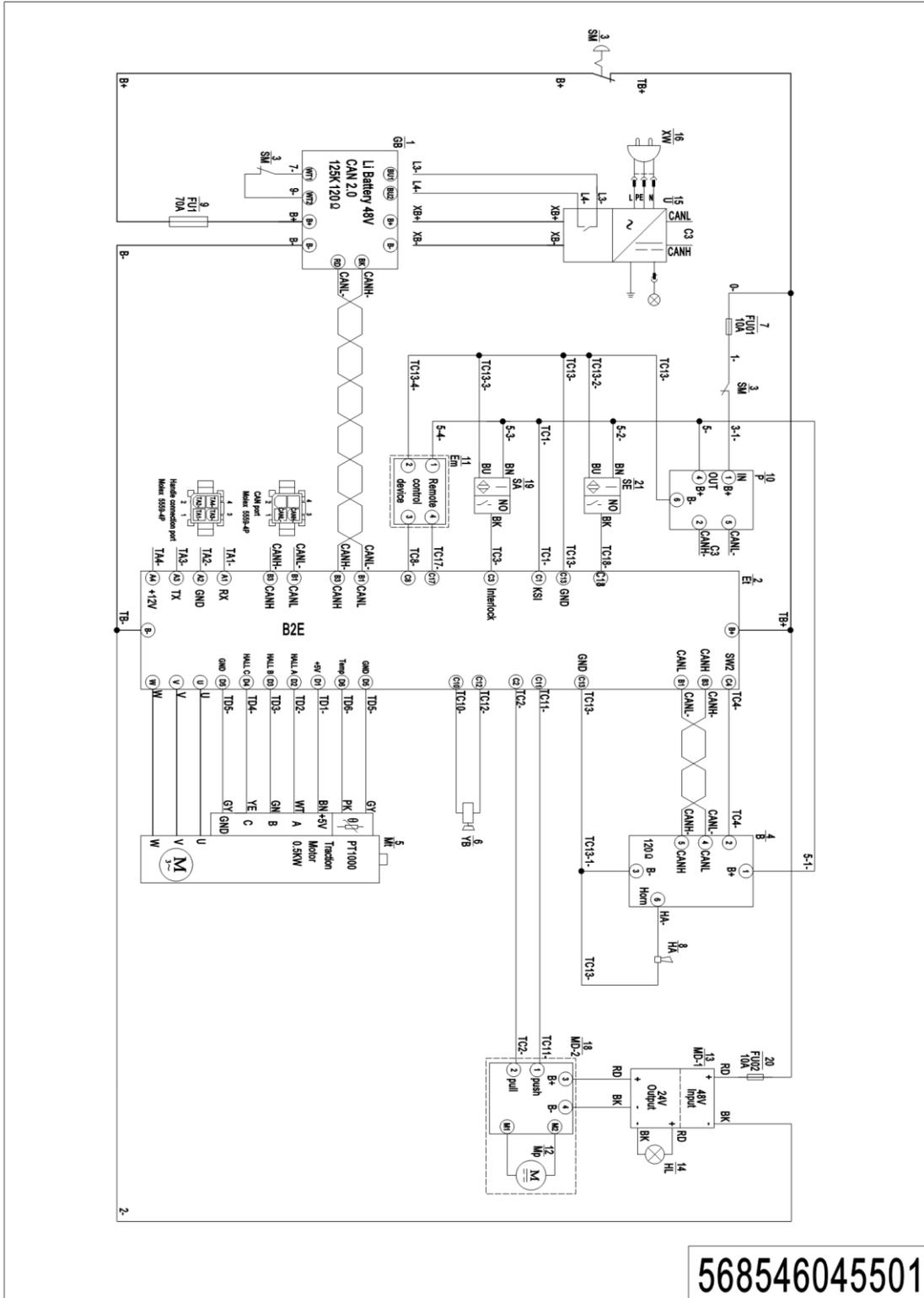
01 Labels and Decals-EU (568546047001)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	941200300002	2	Label	1		
2	568547020000		Label	1		
3	941200100003		Label	1		
4	941200400014		Label	1		
5	568547520000		Identification Plate	1		TWS-200i
5	568647520000		Identification Plate	1		TWS-300i
6	568547020001		Label	1		

Appendix

01 Electrical Circuit Diagram 200i (External Charger with coded Lock)

(568546045501)

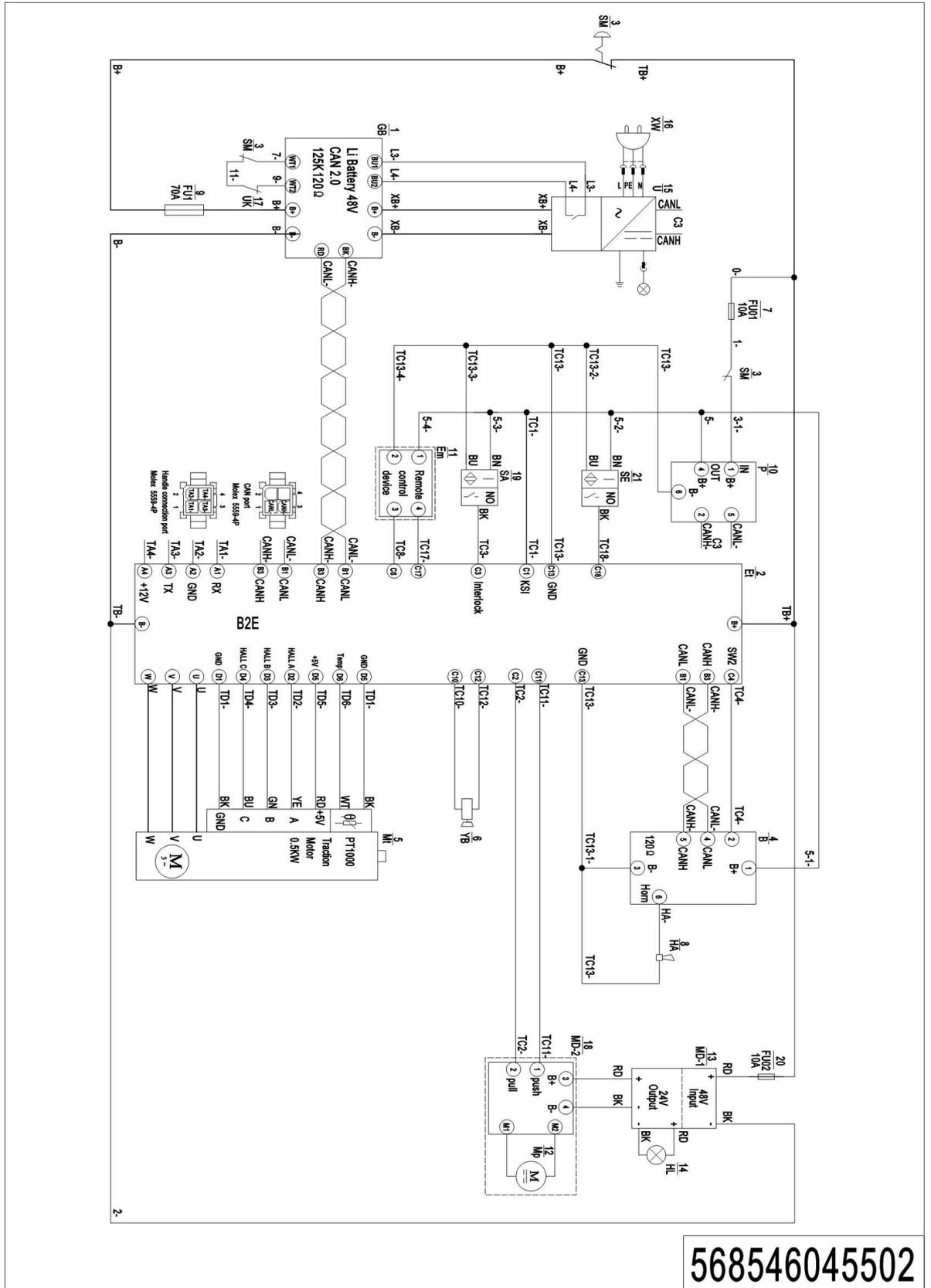


568546045501

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

02 Electrical Circuit Diagram 200i (Build-in Charger with coded Lock)

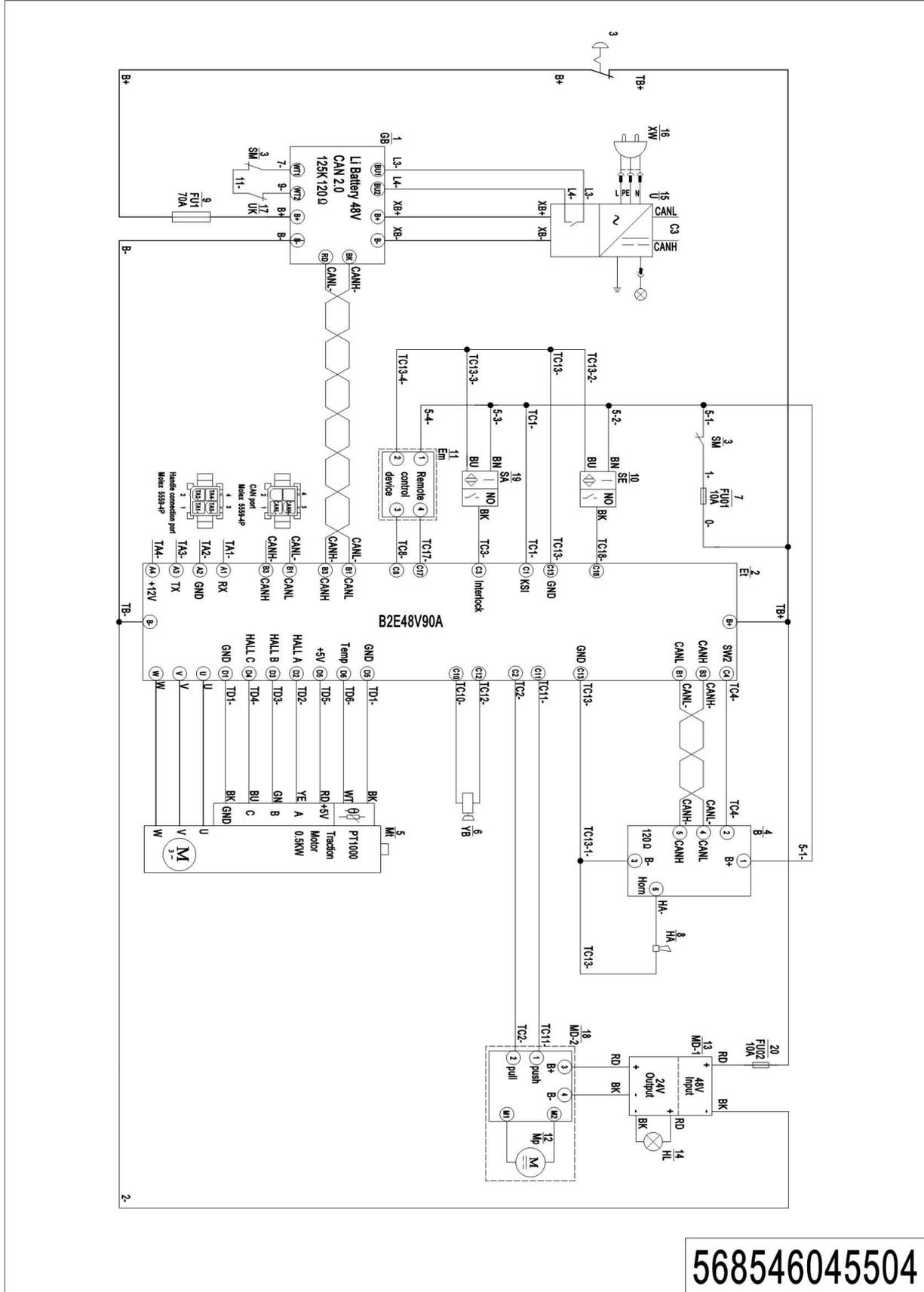
(568546045502)



568546045502

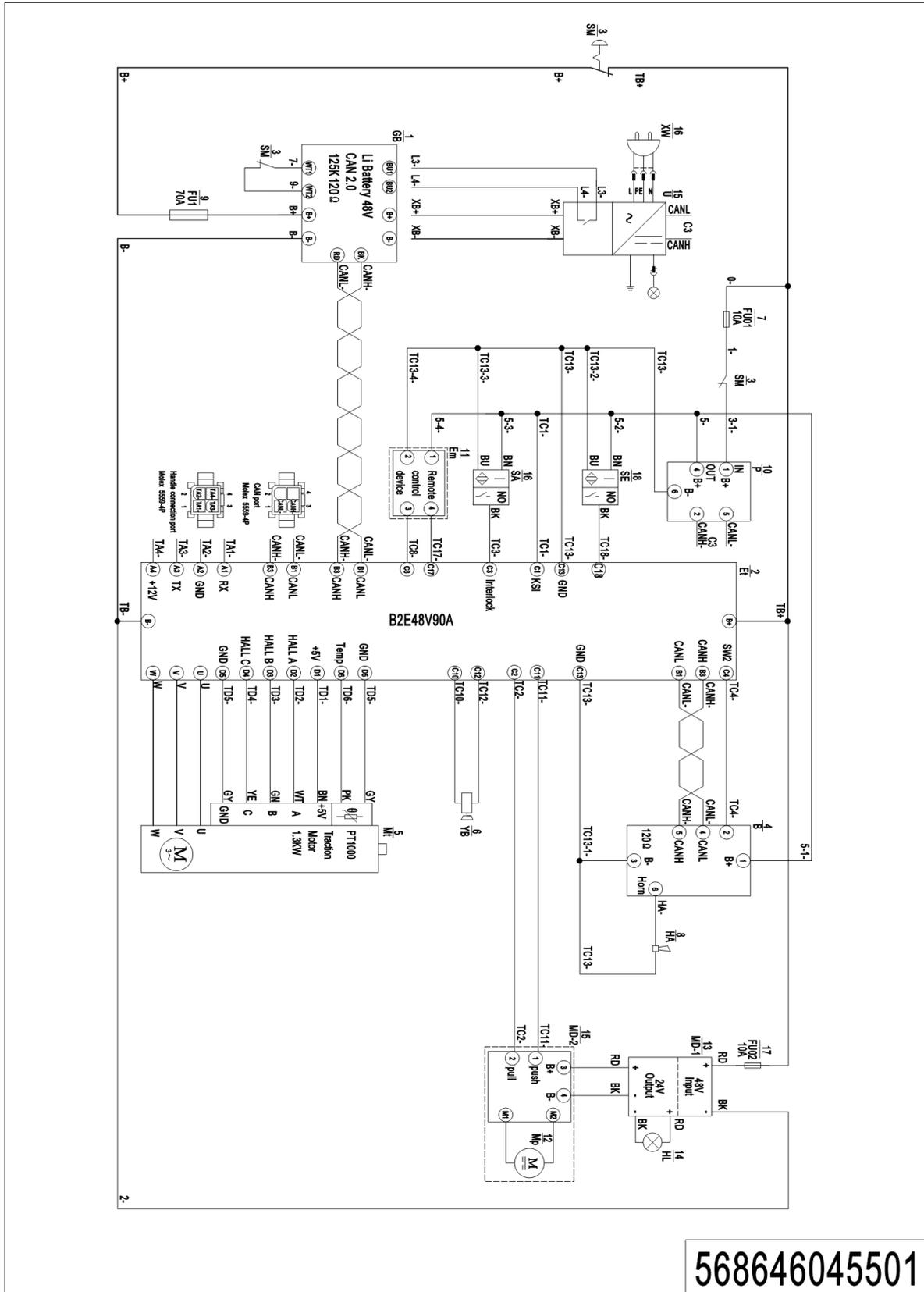
1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

04 Electrical Circuit Diagram 200i (Build-in Charger) (568546045504)



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

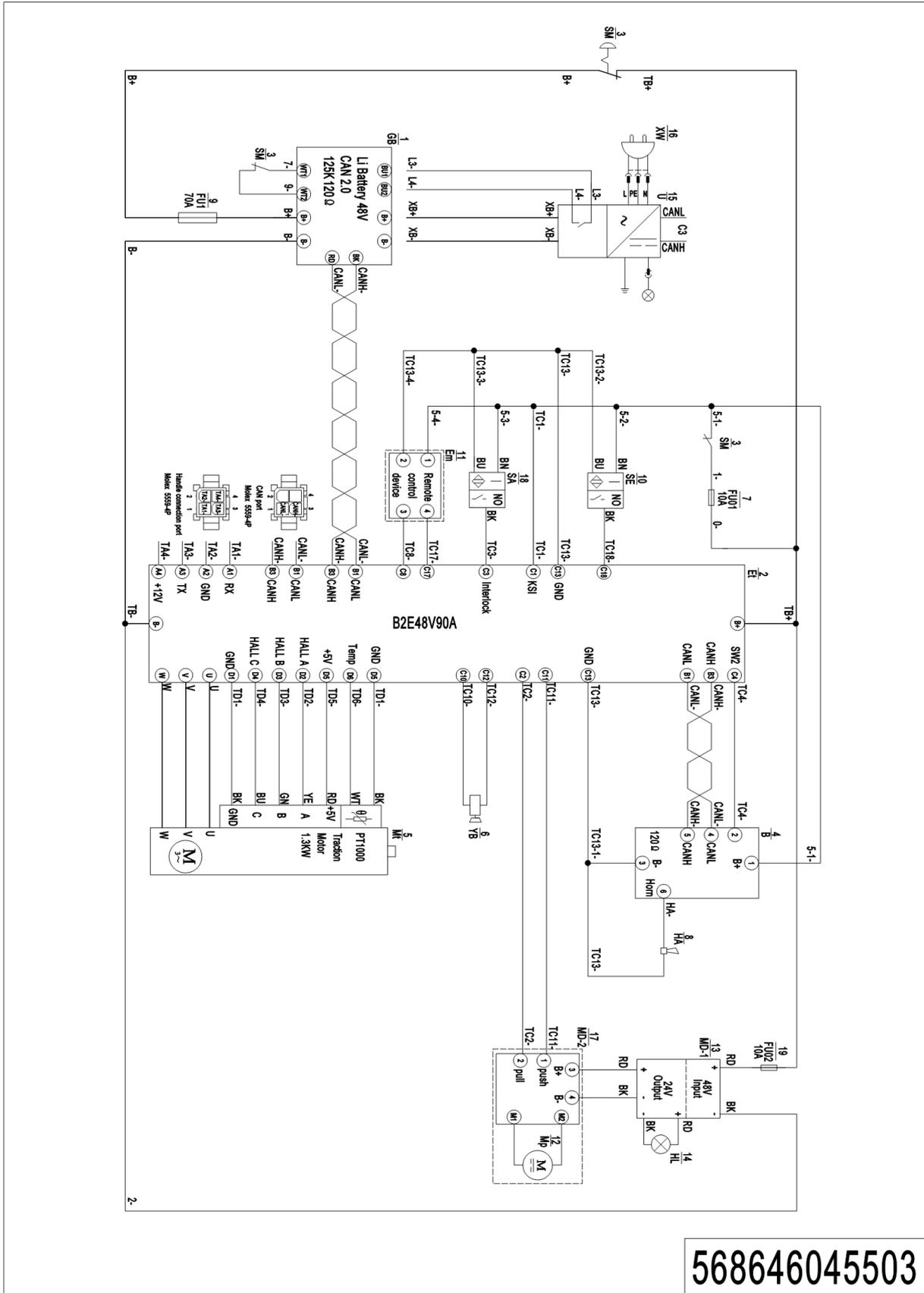
05 Electrical Circuit Diagram 300i (External Charger with coded Lock) (568646045501)



568646045501

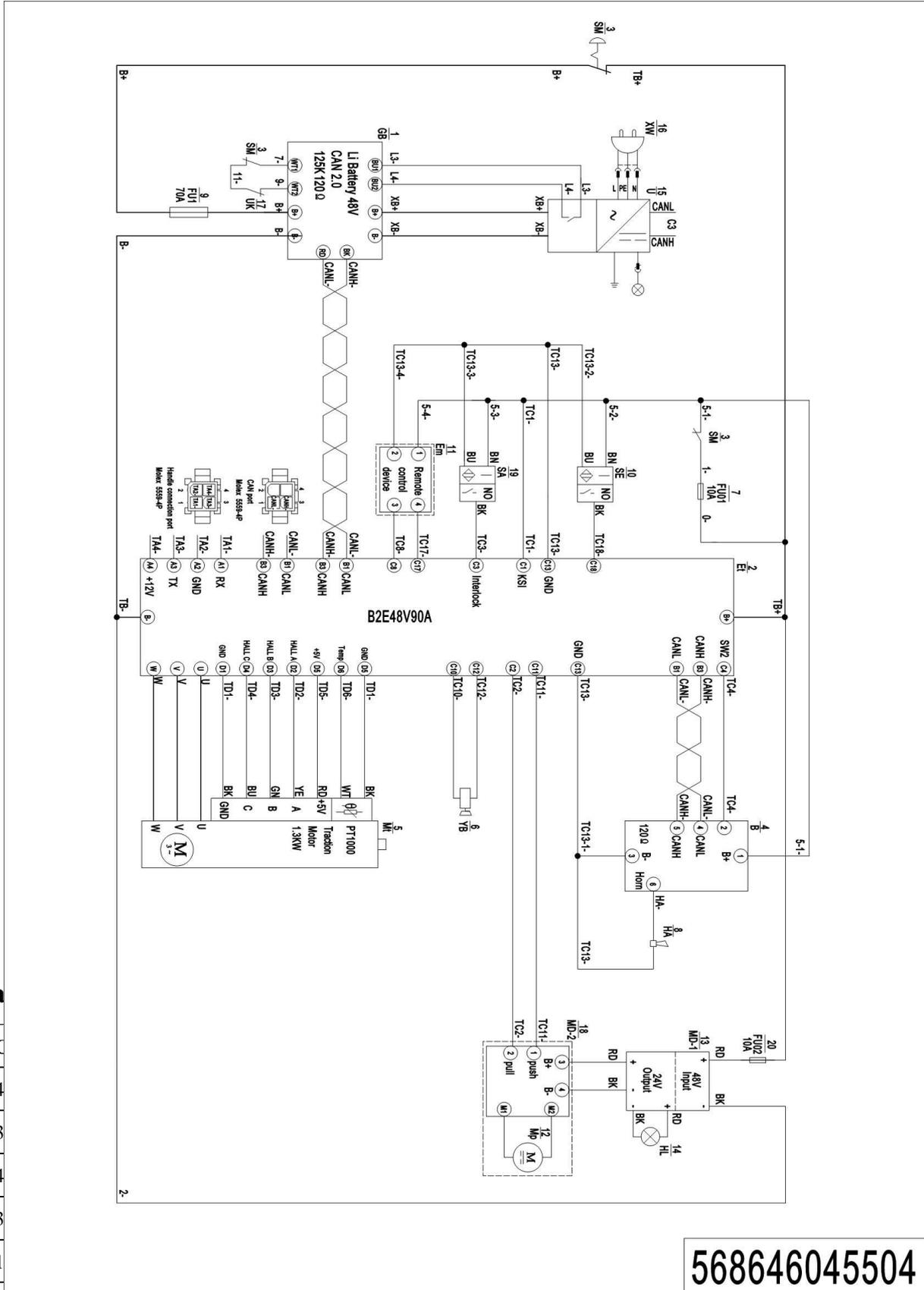
1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

07 Electrical Circuit Diagram 300i (External Charge) (568646045503)



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

08 Electrical Circuit Diagram 300i (Build-in Charger) (568646045504)



568646045504

09 Consumables

No.	Item Code
1	9403004
2	9403003
3	9202004
4	9403003
5	9202001
6	920100200018

Fuse	1	Chapter 4/11/1.05 Chapter 4/12/1.11
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1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

	920100200017	Fuse	1	Chapter 4/11/1.08 Chapter 4/12/1.10
--	--------------	------	---	-------------------------------------