

Print Number:

Print Date:

NOBLELIFT

Reach Truck RT20ProH

PARTS MANUAL

213346020101



Version: V07

Truck Identification Number From:

Parts Manual RT20ProH-PM07EN

Please order spare 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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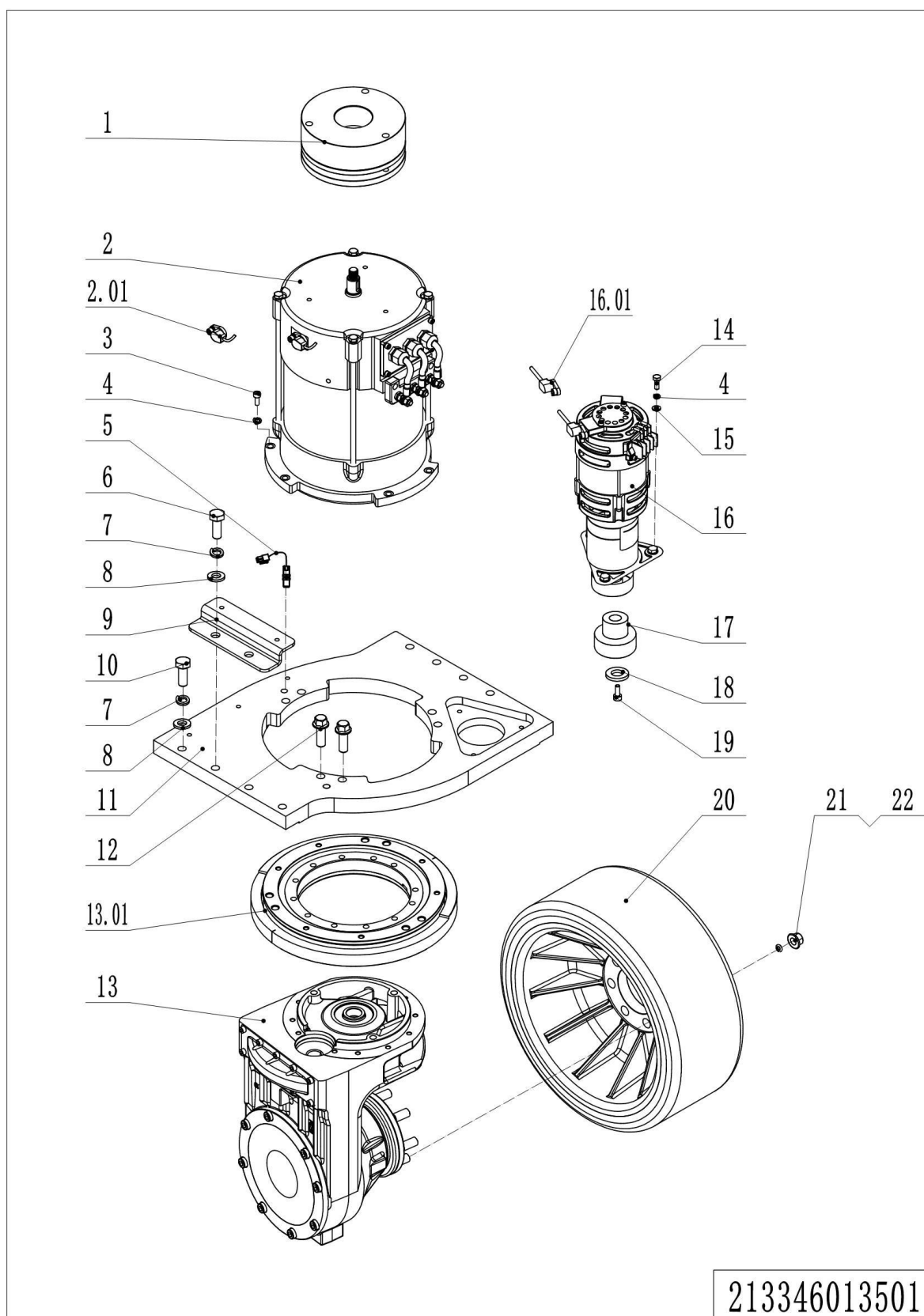
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Chapter 1: Drive System

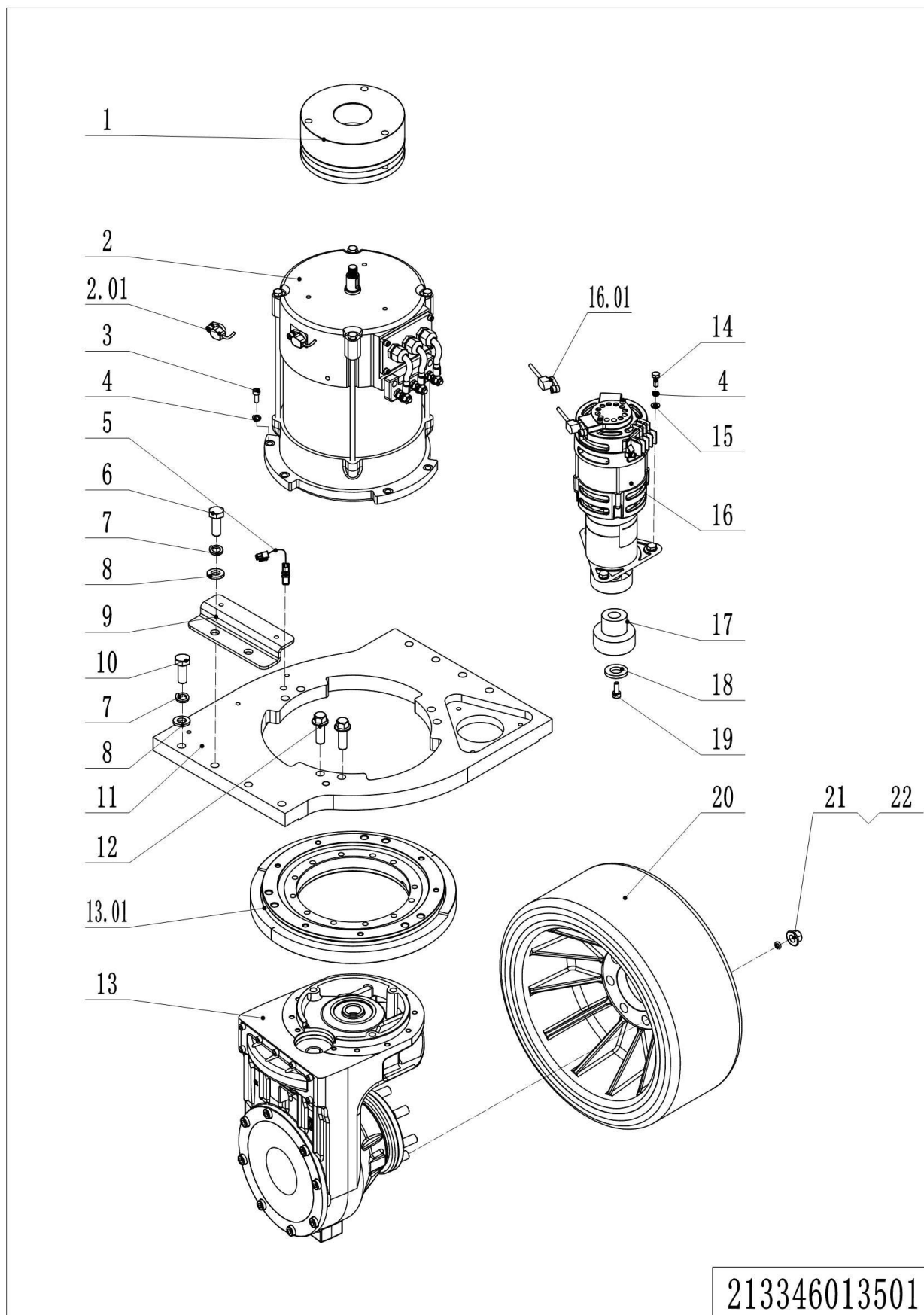
01 Drive Unit (213346013501)



01 Drive Unit (213346013501)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	940700100003		Brake	1		
2	920900100110		Motor	1		SCH,6.4kw
2	920900100143		Motor	1		HuaSheng,7kw
2	920900100152		Motor	1		HuaSheng,3.9kW
2	920900100160		Motor	1		HuaSheng,10kW
2.01	921800200011		Encoder	1		SCH
2.01	921800200037		Encoder	1		HuaSheng
3	910200200061		Screw	6		
4	910400500006		Spring Washer	10		
5	212133510010		Proximity Switch	1		
6	910100300096		Bolt	2		
7	910400500008		Spring Washer	8		
8	910400100008		Flat Washer	8		
9	213321520042		Fixing Plate	1		
10	910100300095		Bolt	7		
11	213321520022		Plate	1		
12	910100800003		Bolt	6		
13	941000100008		Gearbox	1		
13.01	213398520090		Swing Support	1		
14	910400100006		Flat Washer	3		
15	910100300023		Bolt	3		
16	940900800001		Steering Motor	1		Disable
16	940900800005		Steering Motor	1		See 212146013502
16.01	921800200012		Encoder	1		940900800001
16.01	921800200049		Encoder	1		940900800005
17	213313520000		Gear	1		
18	505616520007		Washer	1		
19	910200200058		Screw	1		

01 Drive Unit (213346013501) Continuation 1

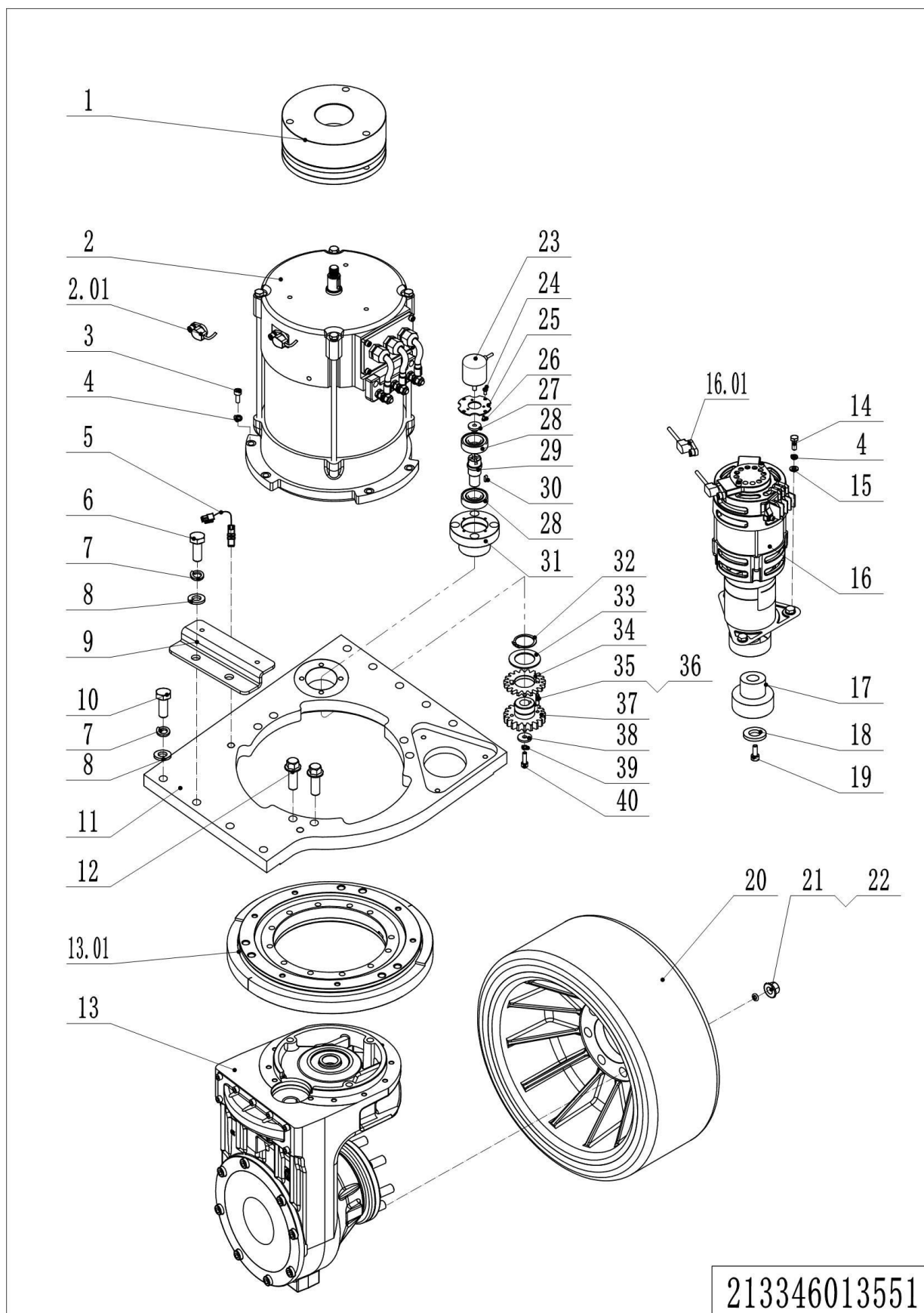


213346013501

01 Drive Unit (213346013501) Continuation 1

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
20	940300400043		Wheel Φ 400x160	2		Stellana
20	940300400029		Wheel Φ 406x152	2		YuLin, Disable
21	940998520072		Nut	7		
22	940998520073		Spring Washer	7		

02 Drive Unit (EN1175-2020) (213346013551)

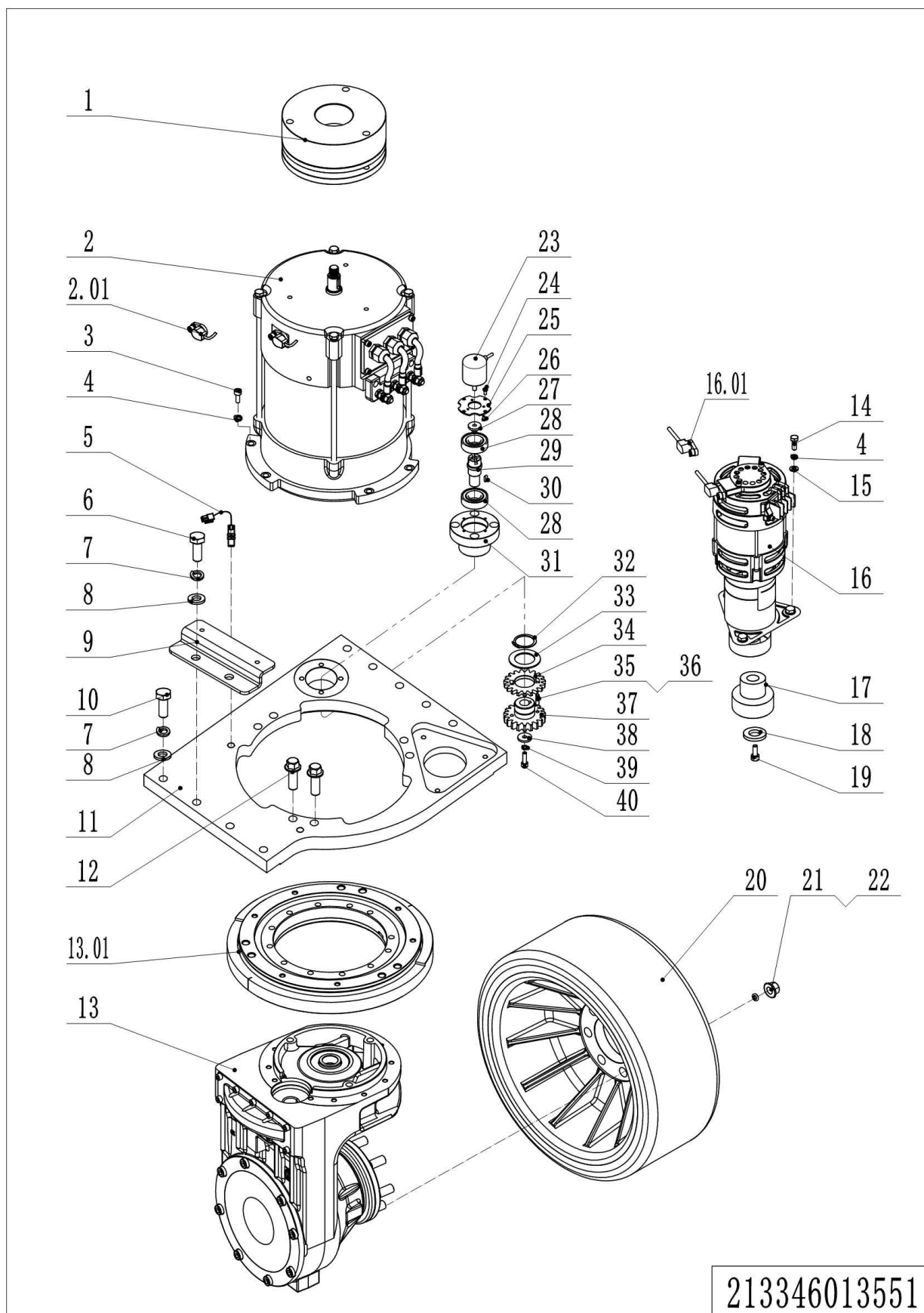


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02 Drive Unit (EN1175-2020) (213346013551)

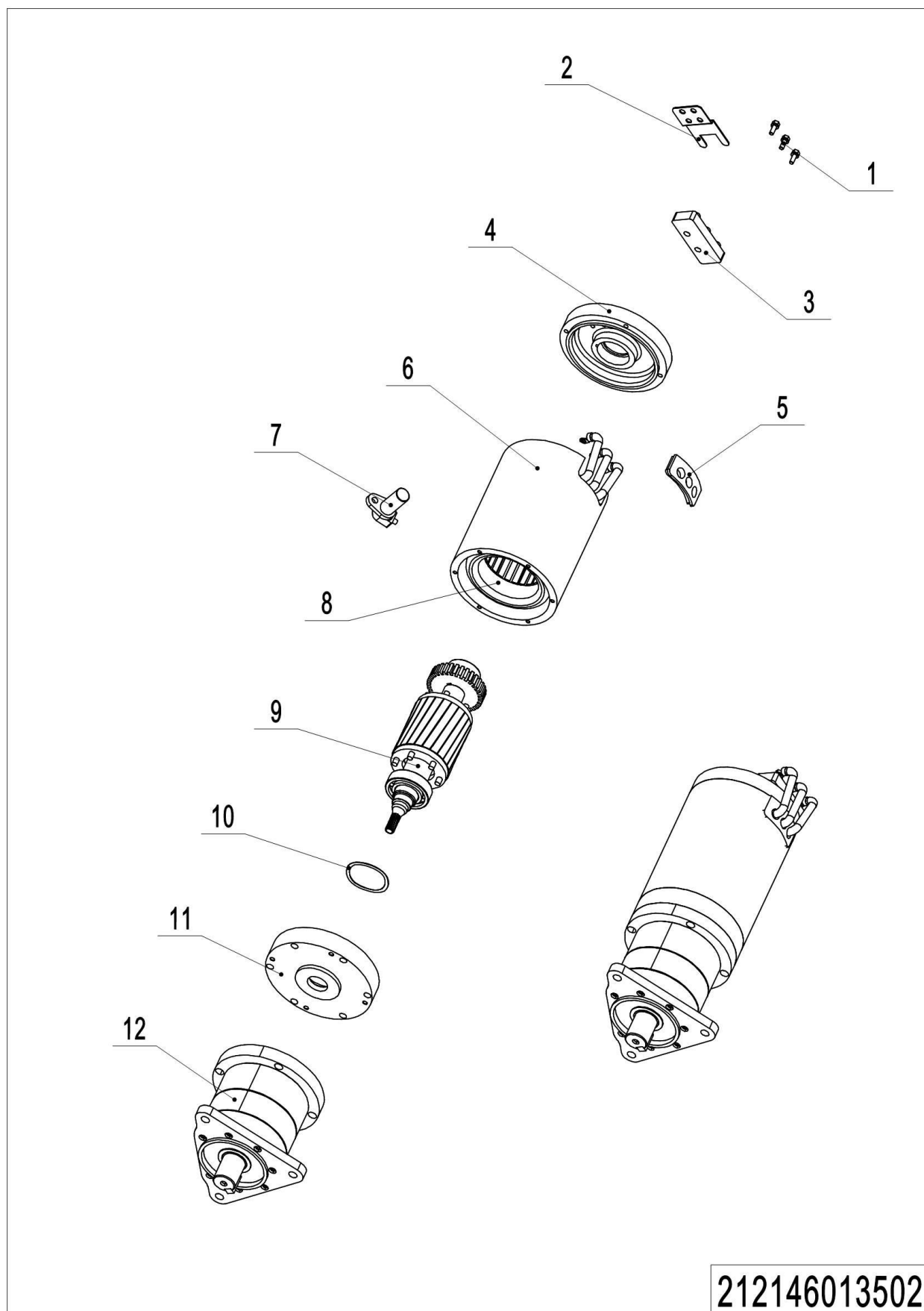
No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	940700100003		Brake	1		
2	920900100110		Motor	1		SCH,6.4kw
2	920900100143		Motor	1		HuaSheng,7kw
2	920900100152		Motor	1		HuaSheng,3.9kW
2	920900100160		Motor	1		HuaSheng,10kW
2.01	921800200011		Encoder	1		SCH
2.01	921800200037		Encoder	1		HuaSheng
3	910200200061		Screw	6		
4	910400500006		Spring Washer	10		
5	212133510010		Proximity Switch	1		
6	910100300096		Bolt	2		
7	910400500008		Spring Washer	8		
8	910400100008		Flat Washer	8		
9	213321520042		Fixing Plate	1		
10	910100300095		Bolt	7		
11	213321520022		Plate	1		
12	910100800003		Bolt	6		
13	941000100008		Gearbox	1		
13.01	213398520090		Swing Support	1		
14	910400100006		Flat Washer	3		
15	910100300023		Bolt	3		
16	940900800001		Steering Motor	1		Disable
16	940900800005		Steering Motor	1		See 212146013502
16.01	921800200012		Encoder	1		940900800001
16.01	921800200049		Encoder	1		940900800005
17	213313520000		Gear	1		
18	505616520007		Washer	1		
19	910200200058		Screw	1		

02 Drive Unit (EN1175-2020) (213346013551) Continuation 1



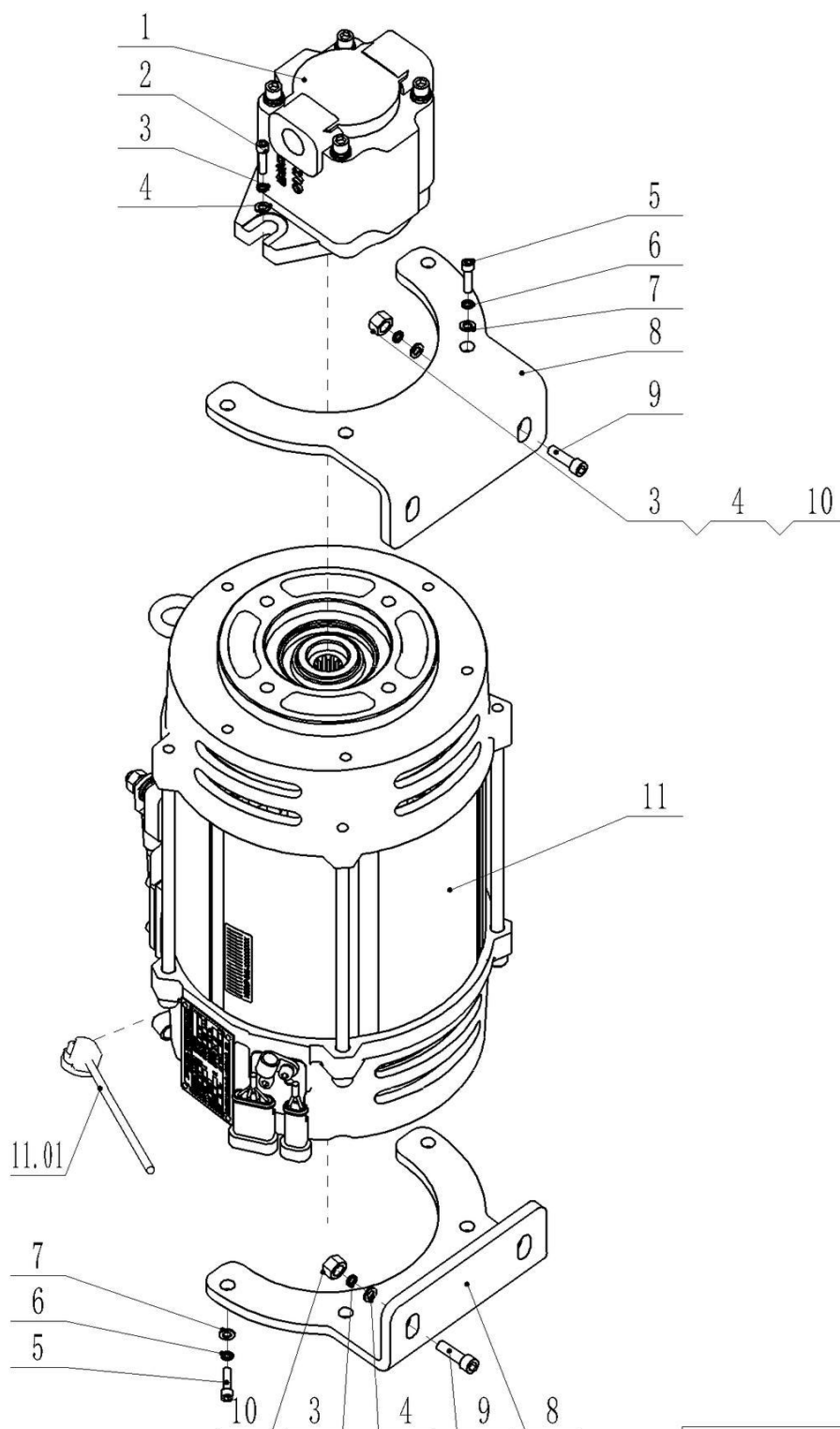
02 Drive Unit (EN1175-2020) (213346013551) Continuation 1

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
20	940300400043		Wheel Φ 400x160	2		Stellana
20	940300400029		Wheel Φ 406x152	2		YuLin, Disable
21	940998520072		Nut	7		
22	940998520073		Spring Washer	7		
23	921800200029		Encoder	1		
24	910200200013		Screw	4		
25	212113520001		Mounting Plate	1		
26	910200200001		Bolt	3		
27	505931520002		Link Block	1		
28	910700200004		Bearing	2		
29	212113520000		Axle	1		
30	910600800004		Flat Key	1		
31	212113520002		Bracket	1		
32	910401300017		Circlip	1		
33	212113520005		Press Plate	1		
34	213313520006		Gear	1		
35	910600100045		Cylindrical Pin	1		
36	212113520006		Spring	1		
37	213313520005		Gear	1		
38	212113520004		Press Plate	1		
39	910400500005		Spring Washer	1		
40	910200200036		Screw	1		

03 Steering Motor (212146013502)

03 Steering Motor (212146013502)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	213398520115		Bolt	3		Assembly: 940900800005
2	213398520056		Fixing Plate	1		Assembly: 940900800005
3	213398520113		Terminal	1		Assembly: 940900800005
4	213398520051		Cover	1		Assembly: 940900800005
5	213398520052		Rubber	1		Assembly: 940900800005
6	213398520049		Housing	1		Assembly: 940900800005
7	921800200049		Encoder	1		Assembly: 940900800005
8	213398520059		Stator	1		Assembly: 940900800005
9	213398520116		Rotor Unit	1		Assembly: 940900800005
10	213398520062		Wave Washers	1		Assembly: 940900800005
11	213398520114		Cover	1		Assembly: 940900800005
12	213398520055		Gearbox	1		Assembly: 940900800005

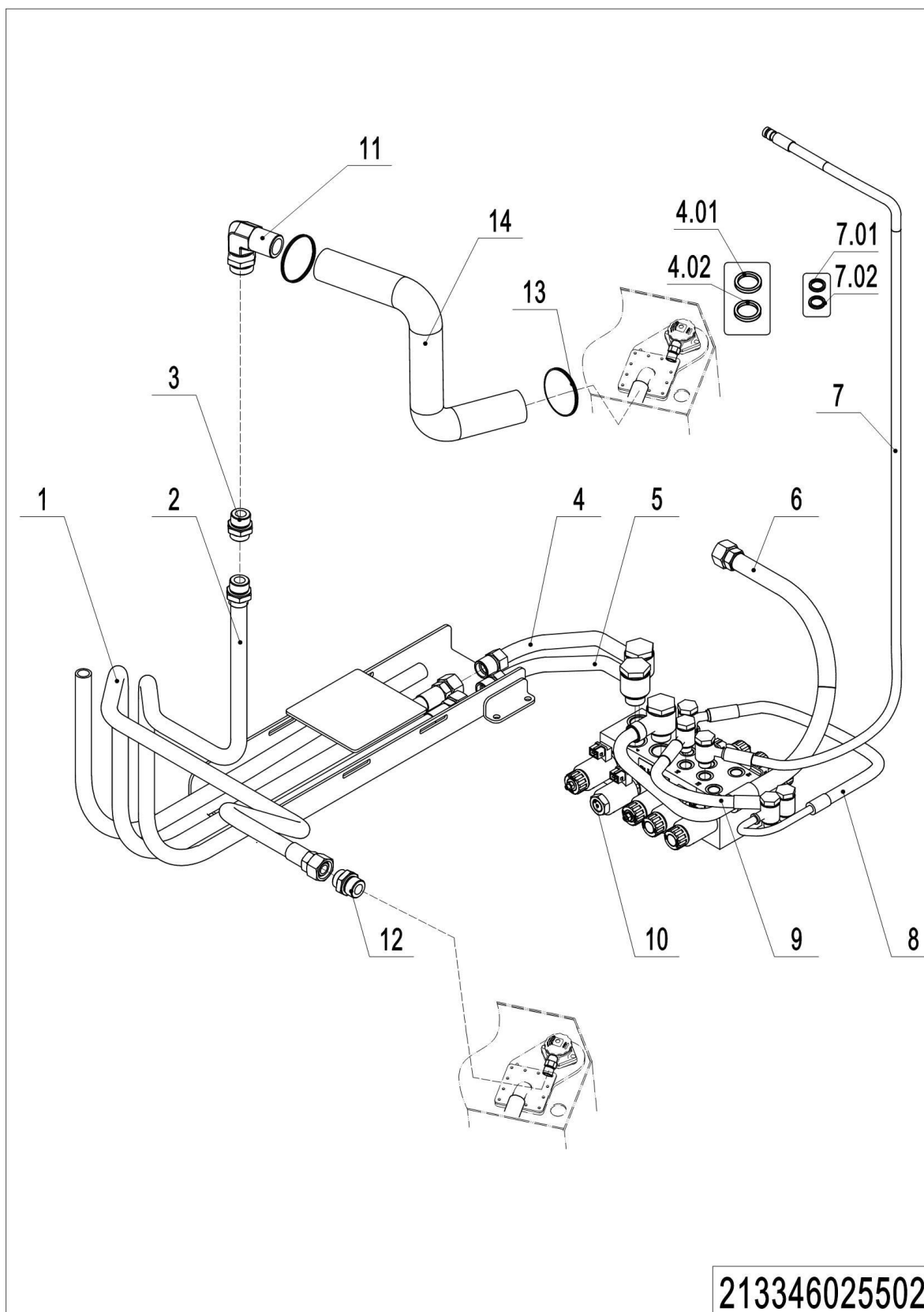
04 Lift Unit (213346032501)**213346032501**

04 Lift Unit (213346032501)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	950800200008		Gear Pump	1		
2	910200200077	1	Screw	2		
3	910400500007	1	Spring Washer	6		
4	910400100007	1	Flat Washer	6		
5	910200200057	1	Screw	8		
6	910400500006	1	Spring Washer	8		
7	910400100006	1	Flat Washer	8		
8	212132520000		Mounting Plate	2		
9	910200200079	1	Screw	4		
10	910300100007	1	Nut	4		
11	920900100027		Motor	1		KDS
11	920900100126		Motor	1		WN
11	920900100156		Motor	1		KDS-20kw
11.01	921800200013		Encoder	1		KDS
11.01	921800200038		Encoder	1		WN

Chapter 2: Hydraulic System

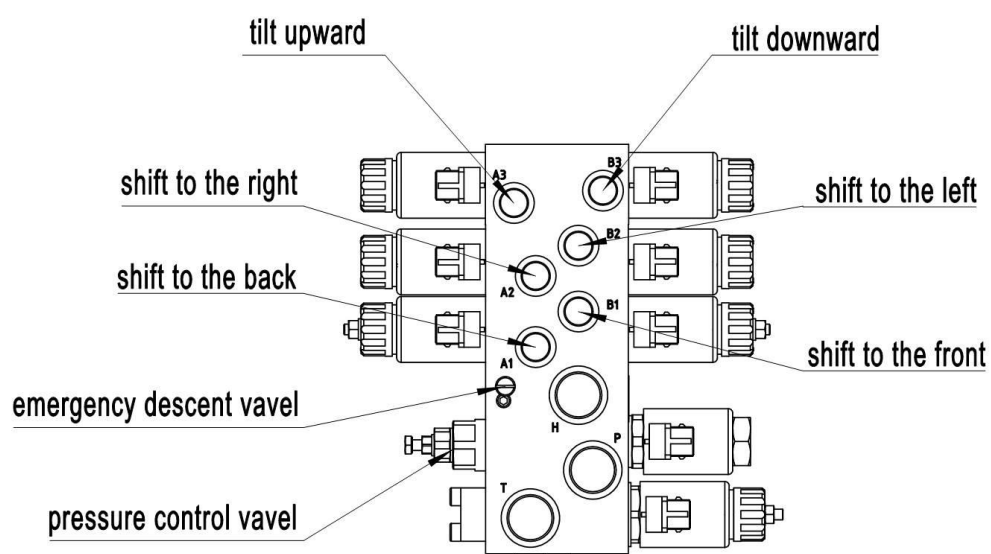
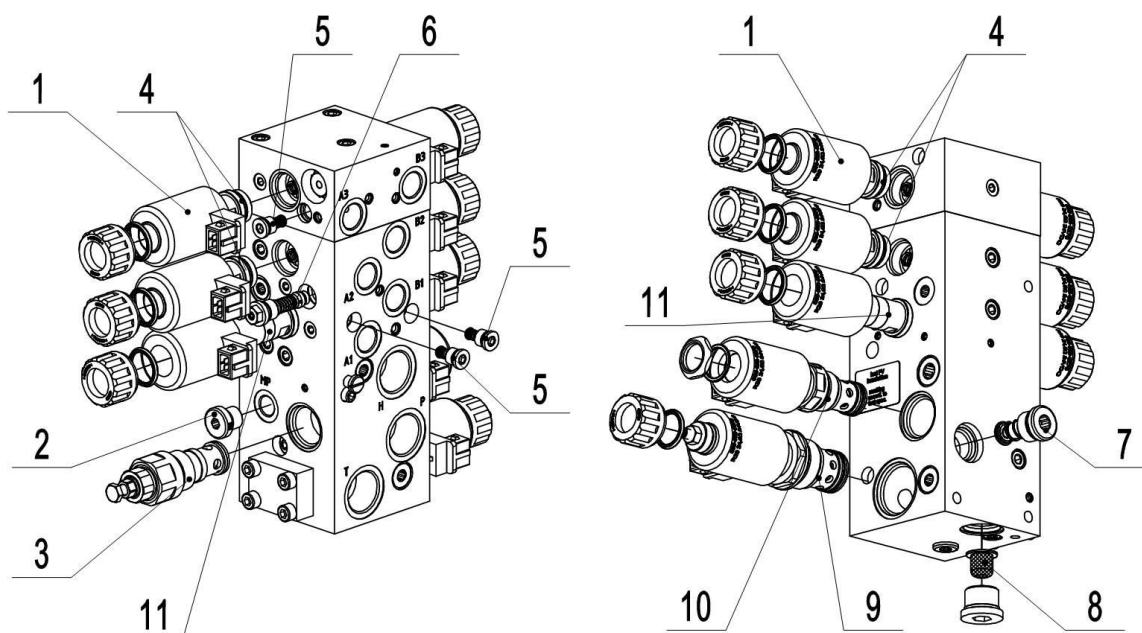
01 Hydraulic Assembly (213346025502)



01 Hydraulic Assembly (213346025502)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	213325020000		Hose	1		
2	213325020001		Hose	1		
3	950401100005		Joint	1		
4	212125020005		Steel Tube	1		
4.01	910800900008		Washer	3		
4.02	910800900016		Washer	3		
5	212125020006		Steel Tube	1		
6	213325020004		Hose	1		
7	213325020005		Hose	4		10000
7	213325020006		Hose	4		10500
7	213325020007		Hose	4		11000
7	213325020008		Hose	4		11500
7	213325020009		Hose	4		12000
7	213325020010		Hose	4		12500
7	213344540007		Hose	4		13500
7.01	910800900005		Washer	8		
7.02	910800900015		Washer	8		
8	213325020002		Hose	1		
9	213325020003		Hose	1		
10	950600100023		Hydraulic Valve	1		See 213146025503
11	216525020008		Joint	1		
12	950400300016		Joint	1		
13	911000600006		Hoops	2		
14	212125020001		Oil Tube	1		

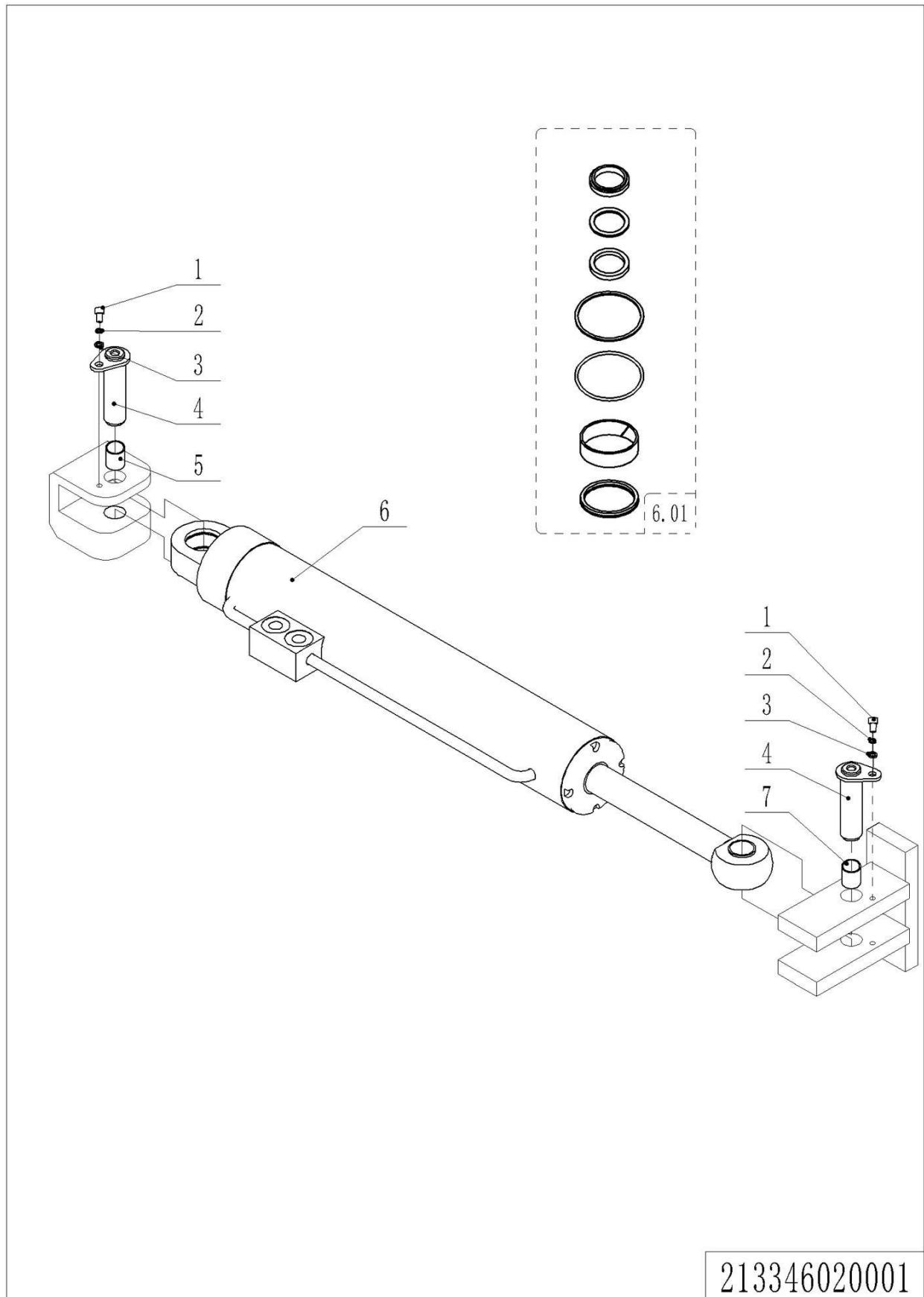
02 Hydraulic Distributor (213146025503)



213146025503

02 Hydraulic Distributor (213146025503)

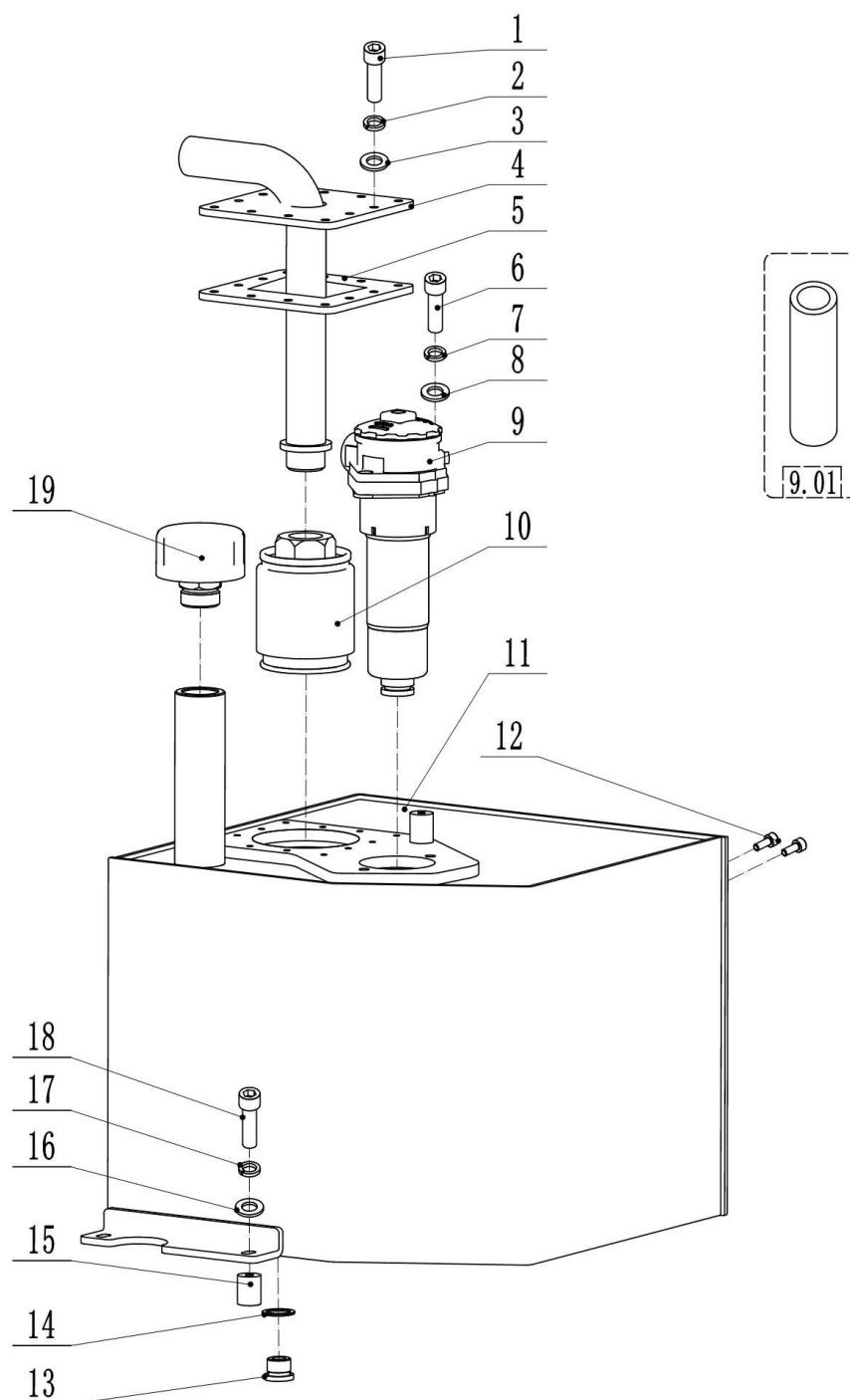
No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	212198520213		Solenoid Coil	8		Assembly: 950600100023
2	212198520219		Screw Plug	1		Assembly: 950600100023
3	212198520214		Pressure Relief Valve	1		Assembly: 950600100023
4	212198520212		Solenoid Tube	4		Assembly: 950600100023
5	212198520215		Check Valve	3		Assembly: 950600100023
6	212198520217		Pressure Control Valve	1		Assembly: 950600100023
7	212198520216		Check Valve	1		Assembly: 950600100023
8	212198520218		Strainer	1		Assembly: 950600100023
9	212198520210		Throttle Valve	1		Assembly: 950600100023
10	212198520211		Piloted Poppet Valve	1		Assembly: 950600100023
11	212198520220		Solenoid Tube	2		Assembly: 950600100023
12	212198510210		Seal Kit	62		Assembly: 950600100023

03 Reach Cylinder (213346020001)

03 Reach Cylinder (213346020001)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	910200200034		Screw	2		
2	910400500005		Spring Washer	2		
3	910400100005		Flat Washer	2		
4	212120010001		Pin	2		
5	212120020002		Bushing	1		
6	213320010000		Cylinder	1		700Ah
6	213320030001		Cylinder	1		945Ah
6.01	212198510004		Seal Kit	1		JX
6.01	212198510023		Seal Kit	1		BB
7	212120020003		Bushing	1		

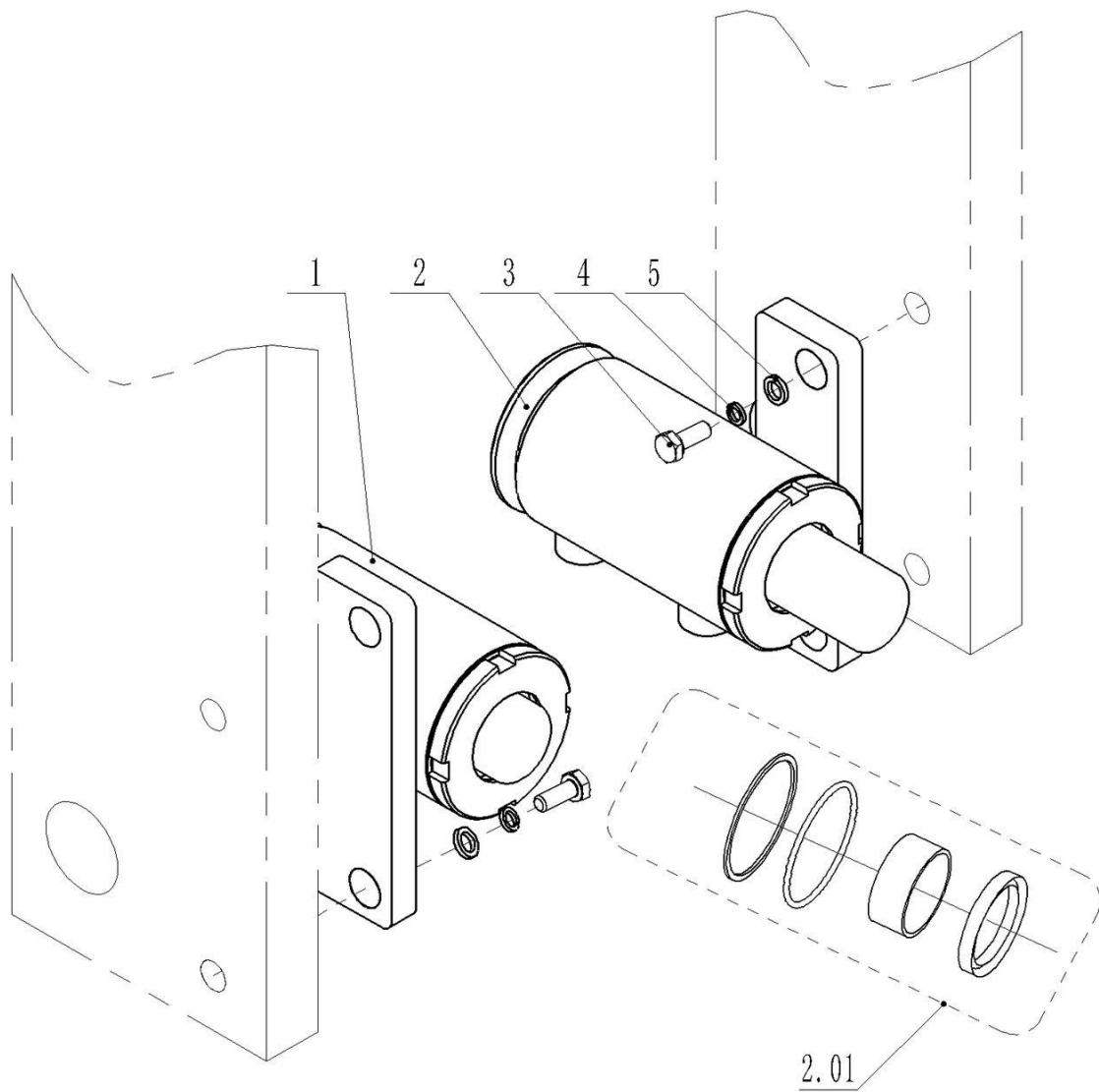
04 Oil Tank (213346019001)



213346019001

04 Oil Tank (213346019001)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	910200200035	1	Screw	12		
2	910400500005	1	Spring Washer	12		
3	910400100005	1	Flat Washer	12		
4	213319010000		Cap-Tank	1		
5	212119020000		Sealing Gasket	1		
6	910200200077	1	Screw	2		
7	910400500007	1	Spring Washer	2		
8	910400100007	1	Flat Washer	2		
9	951000300005		Filter	1		
9.01	212198520055		Cartridge	1		
10	951000400001		Filter	1		
11	213319010000		Tank	1		
12	910200200074	1	Screw	4		
13	255019020015		Filler Plug	1		
14	910800900001		Bonded Washer	1		
15	532621520062		Crash Pad	2		
16	910400100006	1	Flat Washer	3		
17	910400500006	1	Spring Washer	3		
18	910200200058	1	Screw	2		
19	212119020019		Screw Plug	1		

05 Tilt Cylinder (212146020501)

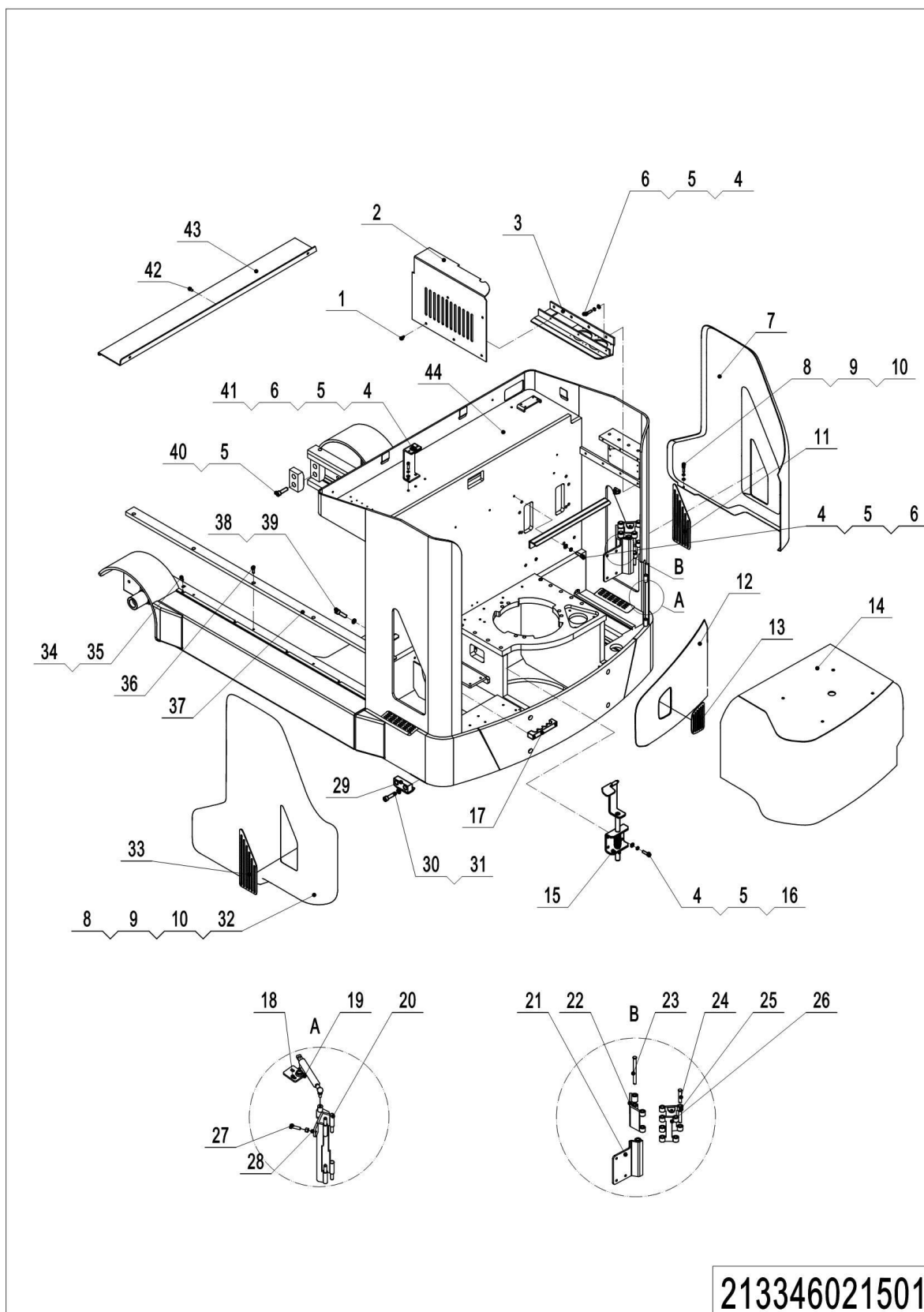
212146020501

05 Tilt Cylinder (212146020501)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	214120510001		Tilt Cylinder	1		
2	214120510000		Tilt Cylinder	1		
2.01	212198510000		Seal Kit	2		JX
2.02	212198510020		Seal Kit	2		BB
3	910100300063	1	Bolt	4		
4	910400500009	1	Spring Washer	4		
5	910400100009	1	Flat Washer	4		

Chapter 3: Truck Frame

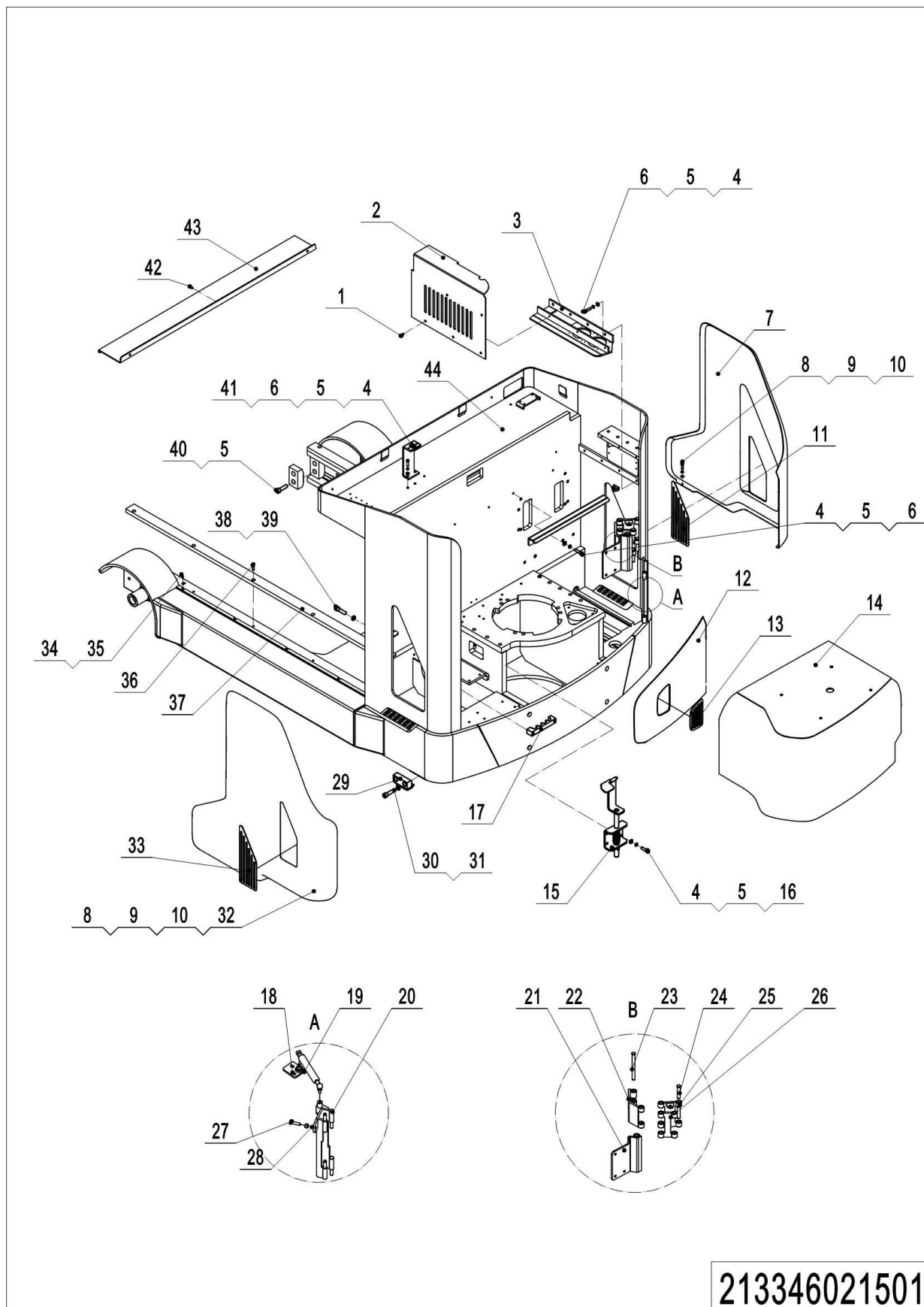
01 Chassis (213346021501)



01 Chassis (213346021501)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	910200300017		Screw M6x12	6		
2	212121510005		Cover	1		
3	212121510006		Fixing Plate	1		
4	910400100006		Spring Washer	12		
5	910400500006		Flat Washer	14		
6	910200200055		Screw M8x16	6		
7	212121520092		Side Plate (right)	1		
8	910200200036		Screw M6x20	8		
9	910400500005		Spring Washer	14		
10	910400100005		Flat Washer	14		
11	212121520101		Vent	1		
12	212121520091		Cover	1		
13	212121520102		Vent	1		
14	213321510008		Cover	1		
15	213321501001		Handle Assembly	1		See 213346021502
16	910200200060		Screw M8x35	4		
17	212121520064		Fixing Plate	1		
18	212121510008		Fixing Plate	1		
19	212121520048		Gas Spring	1		
20	212121510002		Hinge	1		
21	212221510002		Hinge	1		
22	212221510003		Plate	1		
23	212221520028		Pin	2		
24	212221520027		Pin	6		
25	212221510004		Rocker	1		
26	212221510005		Rocker	1		
27	910100300024		Screw M8x30	1		

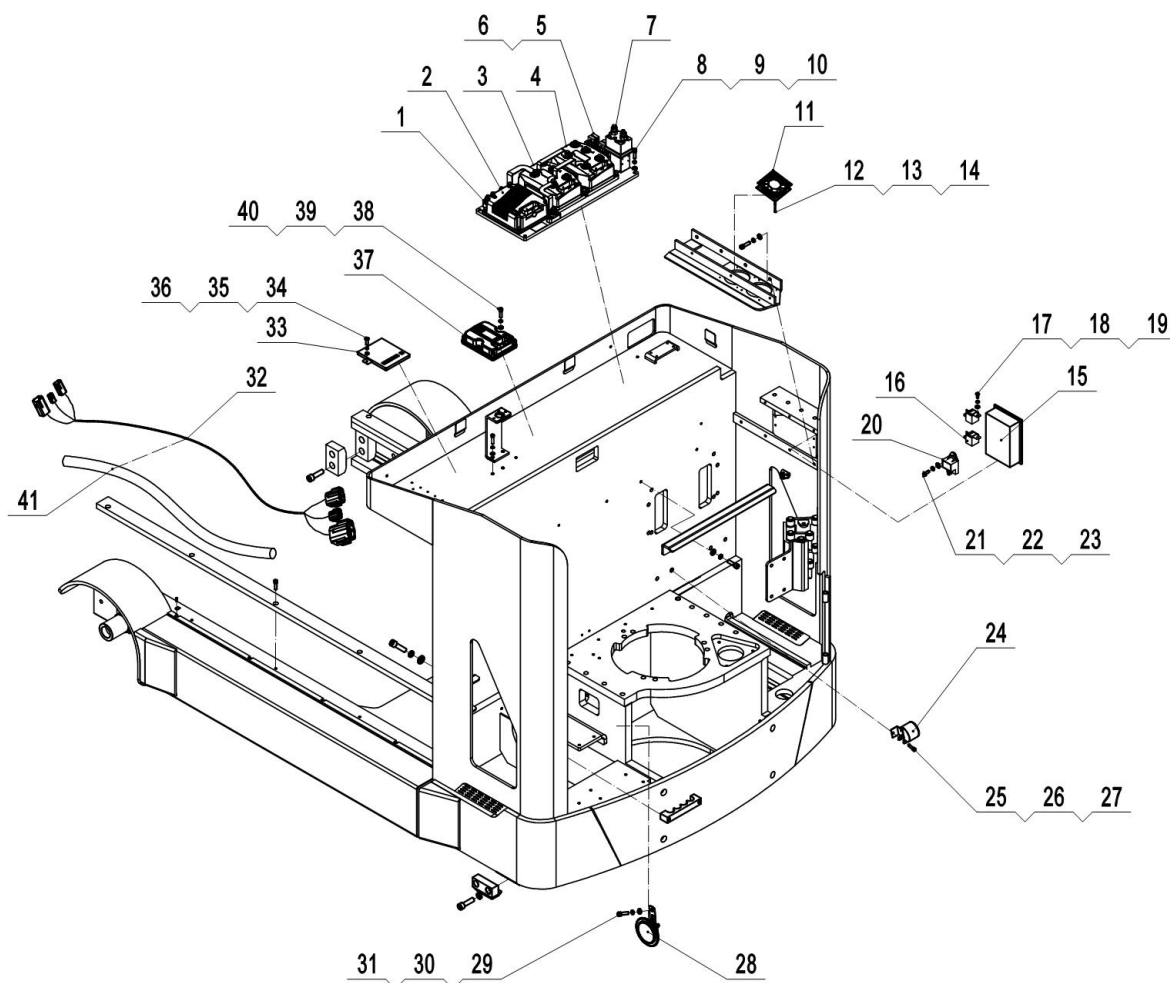
01 Chassis (213346021501) Continuation 1



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

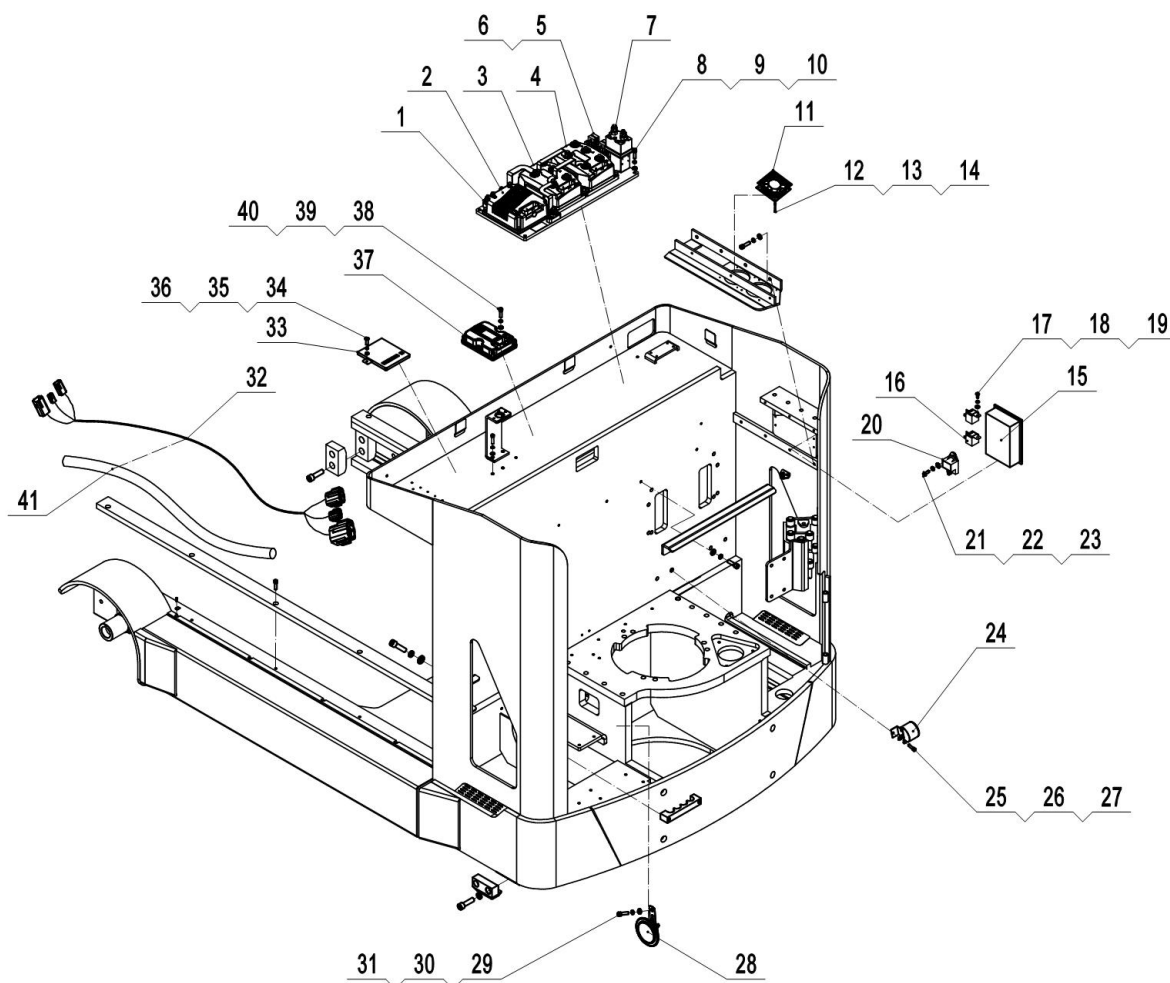
01 Chassis (213346021501) Continuation 1

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
28	910300100006		Nut M8	1		
29	212121520068		Support Leg	2		
30	910200200099		Screw M12x35	4		
31	910400500008		Spring Washer	6		
32	212121520093		Side Plate (left)	1		
33	212121520100		Vent	1		
34	212121520075		Press Plate	8		
35	910200300011		Screw M5x10	8		
36	910200200058		Screw M8x25	8		
37	213321520040		Guide Rail	2		
38	910200200065		Screw M8x60	2		
39	216521520001		Crash Pad	2		
40	910200200098		Screw M12x30	4		
41	212121520008		Fixing Plate	1		
42	941100100001		Screw M8x12	3		
43	213321520041		Plate	1		
44	213321510000		Chassis	1		

02 Chassis - Electrical (213346021502)**213346021502**

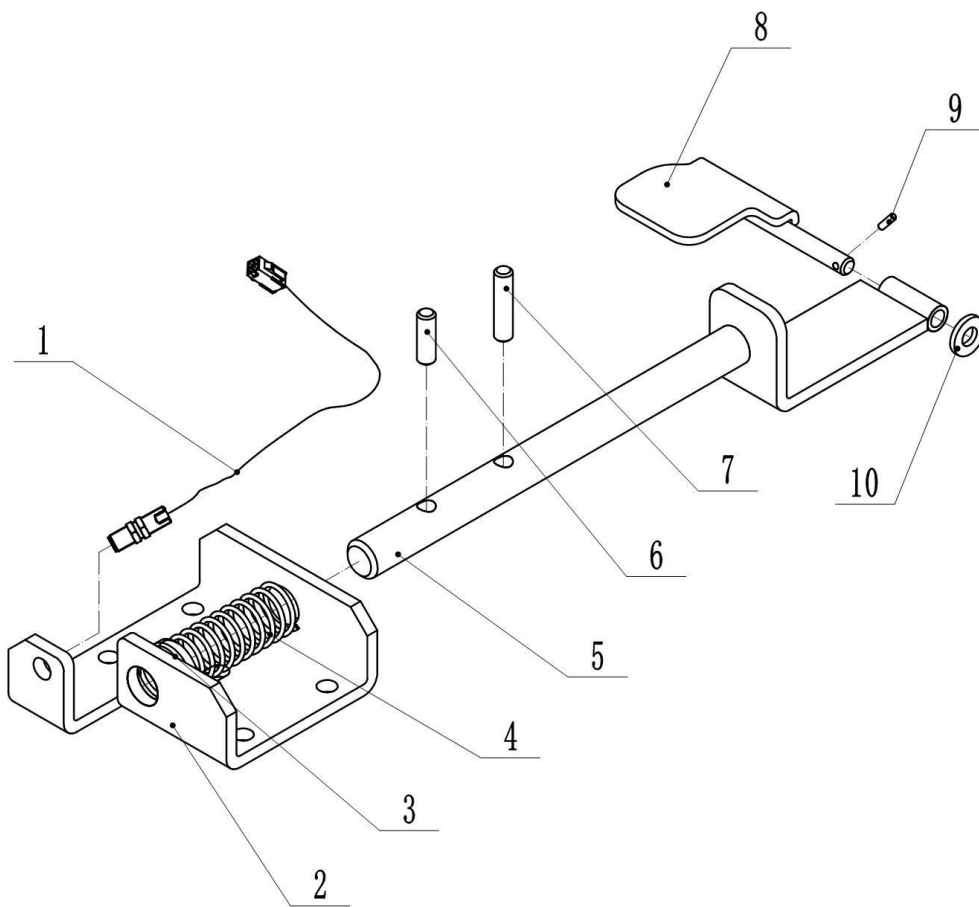
02 Chassis - Electrical (213346021502)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	920100100014		Fuse 500A	1		
2	921400100004		Controller	1		Steering
3	922200100041		Controller	1		F4A-375
3	922200100057		Controller	1		1232SE-5321
4	921400100157		Controller	1		F4A-450
4	921400100042		Controller	1		1234SE-5421
5	920100400004		Fuse Holder	2		
6	920100200002		Fuse 10A	4		
7	920700100005		Contactor	1		20kw
8	910200200057		Screw M8x20	4		
9	910400500006		Spring Washer 8	4		
10	910400100006		Flat Washer 8	4		
11	212133510018		Fan	2		
12	910200500028	1	Screw M4x8	8		
13	910400500003	1	Spring Washer 4	8		
14	910400100003	1	Flat Washer 4	8		
15	921900100014		Contactor	1		
16	920800100001		Relay	3		
17	910400500003		Screw M4x30	3		
18	910400100003		Spring Washer 4	3		
19	910200500034		Flat Washer 4	3		
20	922000100005		Flash	1		
21	910200500037	1	Screw M5x10	8		
22	910400500004	1	Spring Washer 5	8		
23	910400100004	1	Flat Washer 5	8		
24	920500100002		Horn	1		

02 Chassis - Electrical (213346021502) Continuation 1**213346021502**

02 Chassis - Electrical (213346021502) Continuation 1

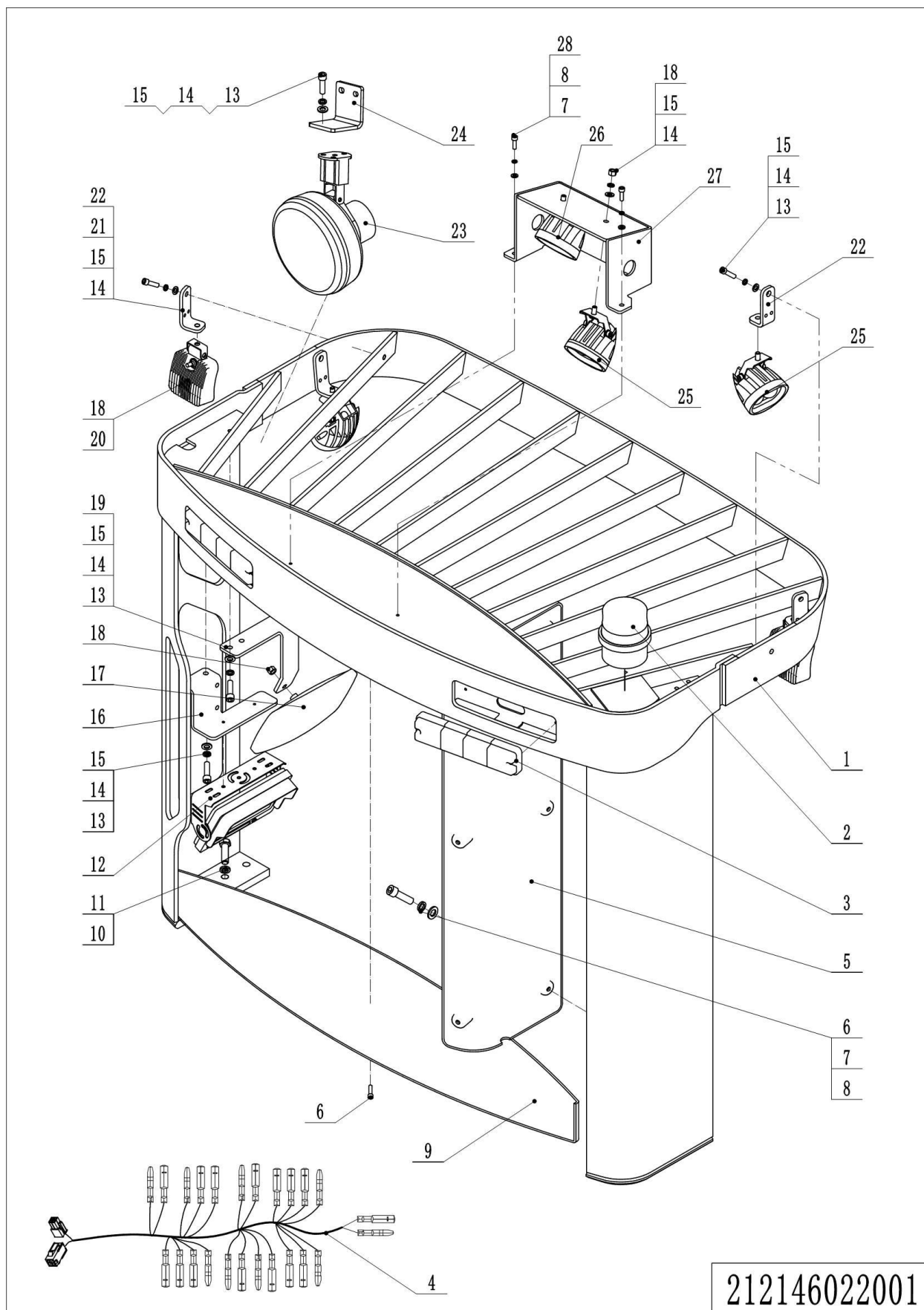
No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
25	910200200055	1	Screw M8x16	1		
26	910400500006	1	Spring Washer 8	1		
27	910400100006	1	Flat Washer 8	1		
28	920500100039		Horn	1		
29	910200200055	1	Screw M8x16	1		
30	910400500006	1	Spring Washer 8	1		
31	910400100006	1	Flat Washer 8	1		
31	212133010014		Wire Harness	1		
32	213133010024		Wire Harness	1		EN1175-2020
33	921400100115		Controller	1		1356P
34	910200500022	1	Screw M4x12	2		
35	910400500003	1	Spring Washer 4	2		
36	910400100003	1	Flat Washer 4	2		
37	921400100113		Controller	1		1353
37	921400100189		Controller	1		1351
38	910200200035	1	Screw M6x16	2		
39	910400500005	1	Spring Washer 6	2		
40	910400100005	1	Flat Washer 6	2		
41	212125020014		Hose	1		

03 Handle Assembly (213346021503)**213346021503**

03 Handle Assembly (213346021503)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	212133510007		Proximity Switch	1		4mm
1	212133510023		Proximity Switch	1		8mm
2	212121520050		Fixing Plate	1		
3	212121520052		Washer	1		
4	212121520051		Spring	1		
5	213321510004		Axle	1		
6	910600400044	1	Spring Pin	1		
7	910600400046	1	Spring Pin	1		
8	212121510003		Bolt	1		
9	910600400002	1	Spring Pin	1		
10	910400100006	1	Flat Washer	1		

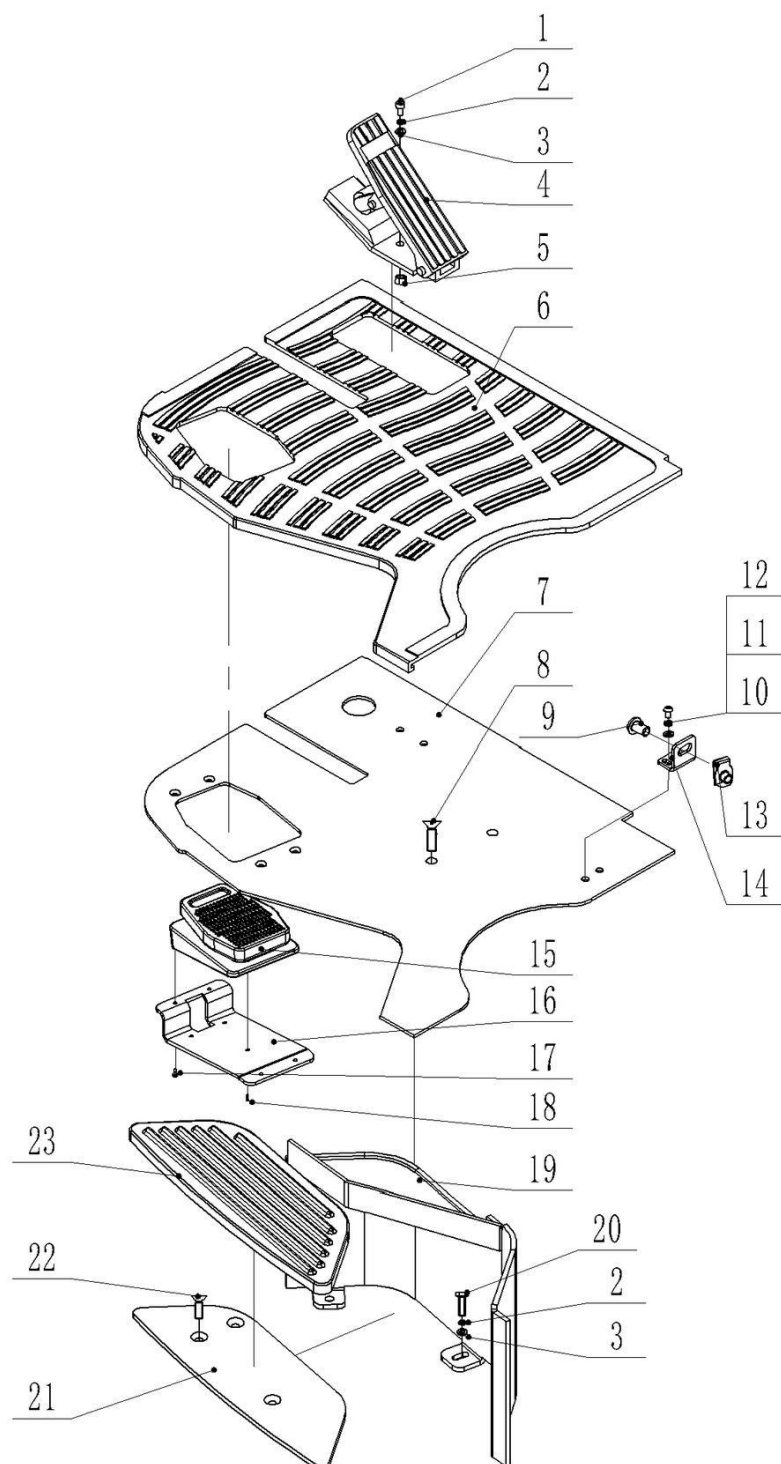
04 Overhead Guard (212146022001)



04 Overhead Guard (212146022001)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	212122010001		Overhead Guard	1		
2	922000100051		Lamp	1		Warning light
3	922000100003		Lamp	2		Three color taillights
4	212133010013		Wire Harness	1		Regular
4.01	212133010054		Wire Harness	1		Blue light
4.02	213433040001		Wire Harness	1		Three side lights
4.03	213333010078		Wire Harness	1		Three side lights+rear blue light+fan
5	212122020021		Cover	1		
6	910200300017	1	Screw	6		
7	910400500005	1	Spring Washer	8		
8	910400100005	1	Flat Washer	8		
9	212122020020		Cover	1		
10	910200300037	1	Screw	8		
11	910400500008	1	Spring Washer	8		
12	921100100058	5	Display	1		
13	910200200055	1	Screw	8		
14	910400500006	1	Spring Washer	16		
15	910400100006	1	Flat Washer	16		
16	212122020018		Bolt	1		
17	940800100001		Rearview Mirror	1		
18	910300100006	1	Nut	5		
19	213322040005		Bracket	1		
20	922000100016		Lamp	2		Headlights
21	910200200058	1	Screw	4		
22	212122020023		Mounting Plate	2		
23	255022511015		Fan	1		
24	212122040023		Fixing Plate	1		
25	213433040009		Lamp	3		Straight red light
26	922000100049		Lamp	1		Dot blue light
27	213322030004		Cover	1		
28	910200200035	1	Screw M6x16	2		

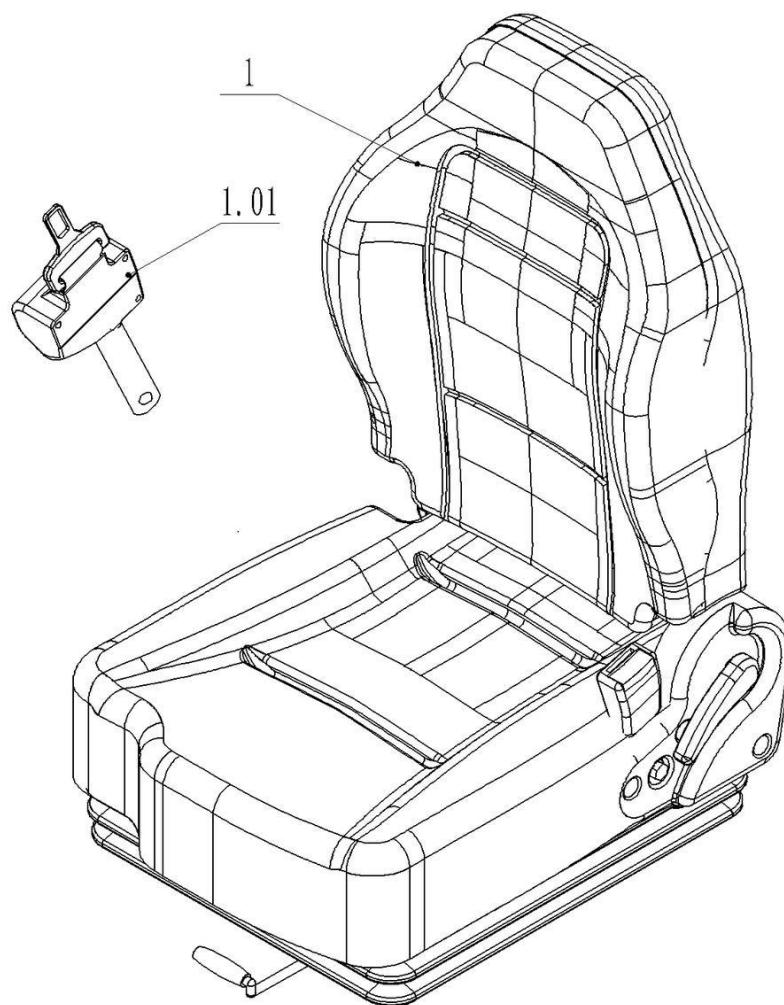
05 Platform (213346018001)



213346018001

05 Platform (213346018001)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	910200200057	1	Screw	2		
2	910400100006	1	Flat Washer	4		
3	910400500006	1	Spring Washer	4		
4	921700100005		Accelerator	1		Single-Channel
4	921700100028		Accelerator	1		Dual-Channel
4	921700100036		Accelerator	1		Single-Channel,GF
5	910300100006	1	Nut	2		
6	212118020000		Mat	1		
7	213318020001		Platform	1		
8	910200400033		Screw M10x12	2		
9	941100100012		Screw	1		
10	910200200033		Screw M6x12	2		
11	910400100005		Flat Washer	2		
12	910400500005		Spring Washer	2		
13	940400400002		Cage Nut M8	1		
14	213318020002		Fixing Plate	1		
15	212133510019	1	Screw	1		
16	212118020008		Foot Switch	1		
17	910200400009		Mounting Plate	4		
18	212198520048	1	Screw	3		
19	213318010000		Bracket	1		
20	910100300022	1	Bolt	2		
21	212118010001		Platform	1		
22	910200400026	1	Screw	3		
23	212118020002		Mat	1		

06 Seat (213346037501)

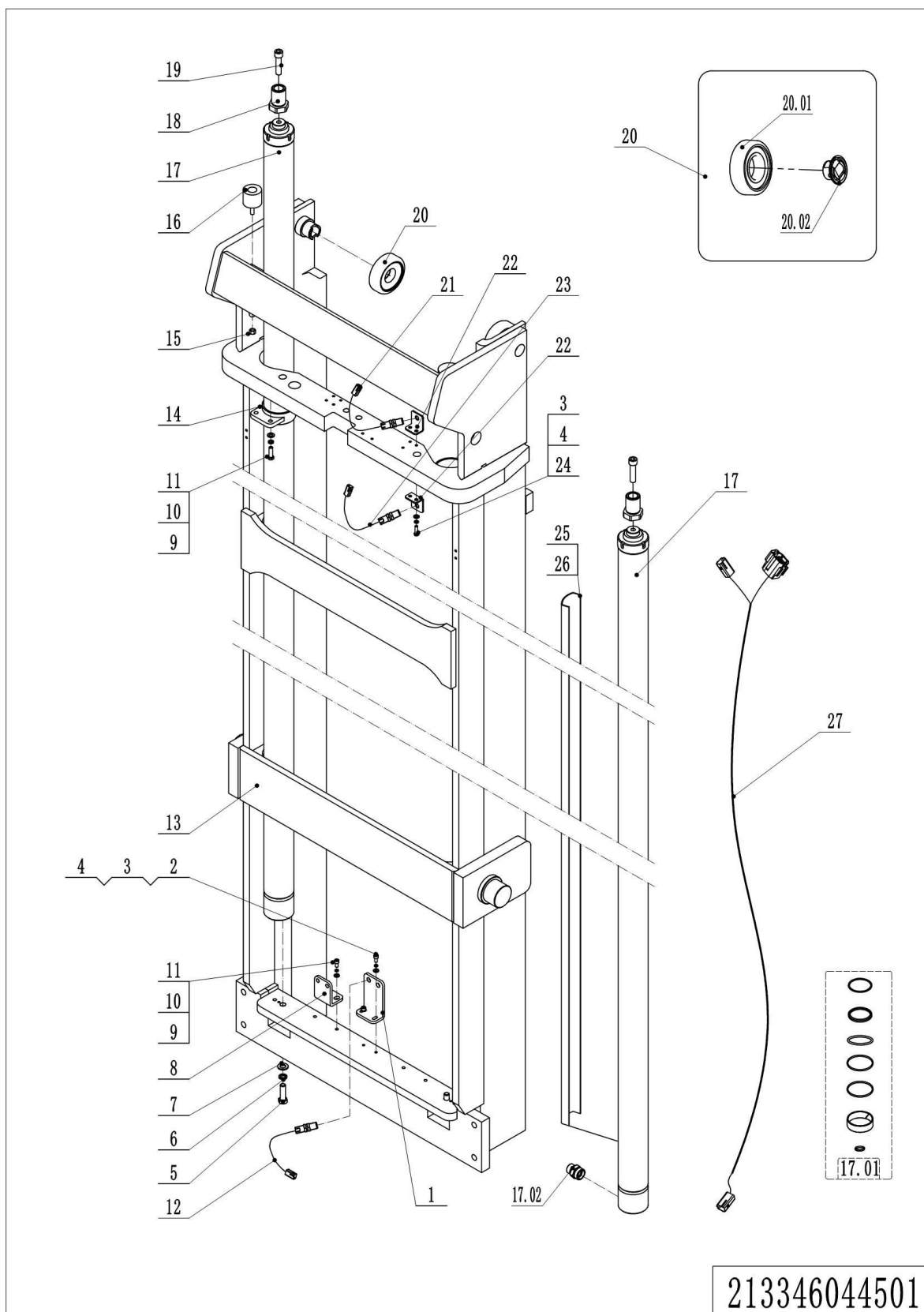
213346037501

06 Seat (213346037501)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	213037510000		Seat	1		BF
1.01	213098510052		Safety Belt	1		
1	212137510001		Seat	1		KL
1.01	212198510009		Safety Belt	1		
1	212137510003		Seat	1		Glamor
1.01	212198510015		Safety Belt	1		

Chapter 4: Mast Structure

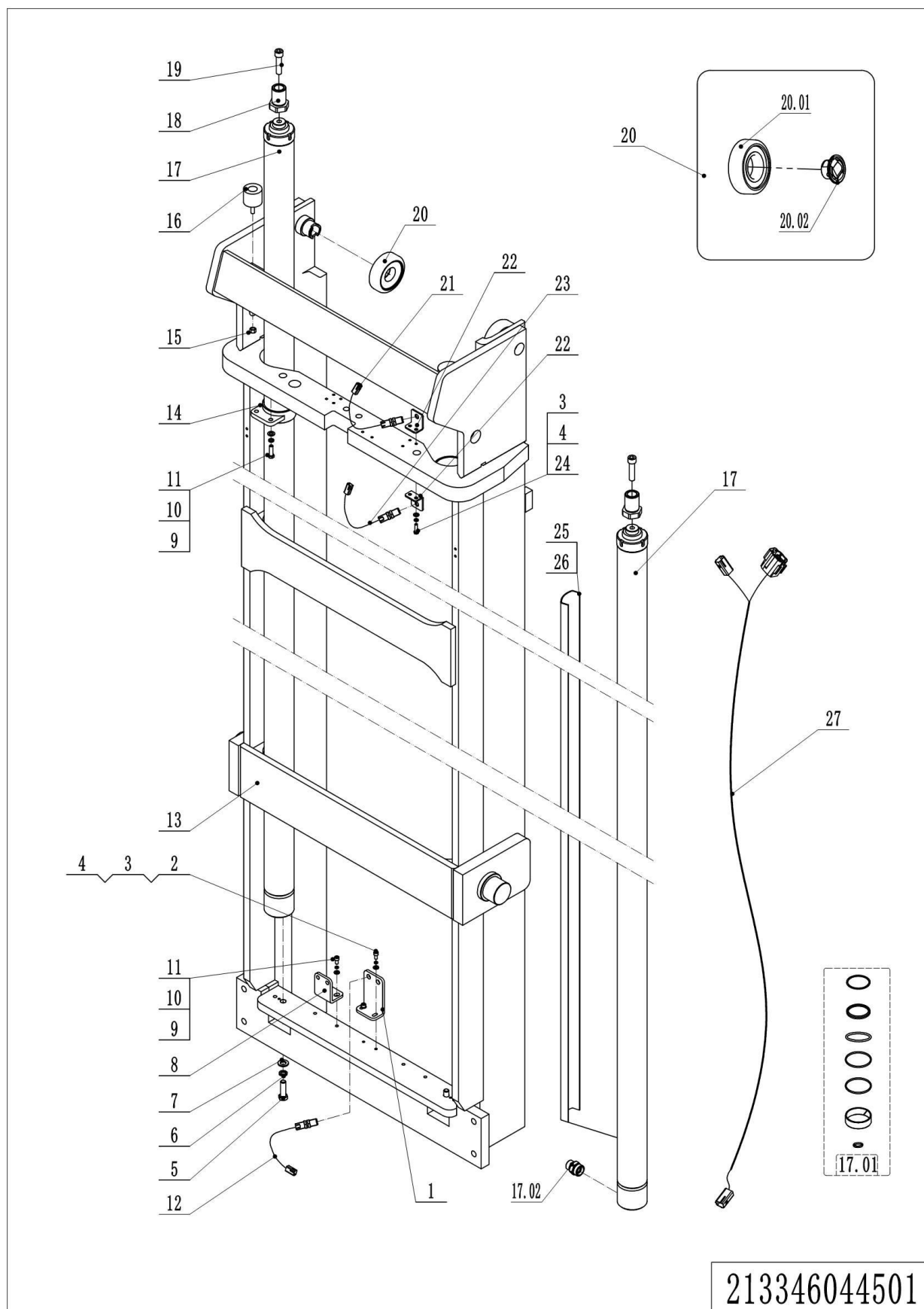
01 Outer Mast (213346044501)



01 Outer Mast (213346044501)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	212144520297		Fixing Plate	1		
2	910200200033		Screw	2		
3	910400500005		Spring Washer	6		
4	910400100005		Flat Washer	6		
5	910100400012		Bolt	2		
6	910400500008		Spring Washer	2		
7	910400100008		Flat Washer	2		
8	212144520062		Fixing Plate	1		
9	910200200058		Screw	6		
10	910400500006		Spring Washer	6		
11	910400100006		Flat Washer	6		
12	212133510005		Proximity Switch	1		
13	213344510005		Outer Mast(10000)	1		10000
13	213344510006		Outer Mast(10500)	1		10500
13	213344510007		Outer Mast(11000)	1		11000
13	213344510008		Outer Mast(11500)	1		11500
13	213344510009		Outer Mast(12000)	1		12000
13	213344510010		Outer Mast(12500)	1		12500
14	213344510000		Fixing Base	2		
15	910300500008		Nut	2		
16	212144520065		Crash Pad	2		
17	213344510020		Cylinder(10000)	2		10000
17	213344510021		Cylinder(10500)	2		10500
17	213344510022		Cylinder(11000)	2		11000
17	213344510023		Cylinder(11500)	2		11500
17	213344510024		Cylinder(12000)	2		12000
17	213344510025		Cylinder(12500)	2		12500
17.01	213398520001		Seal Kit	1		JX
17.01	213398520092		Seal Kit	1		BB
17.02	212198520022		Anti-explosion Valve	1		

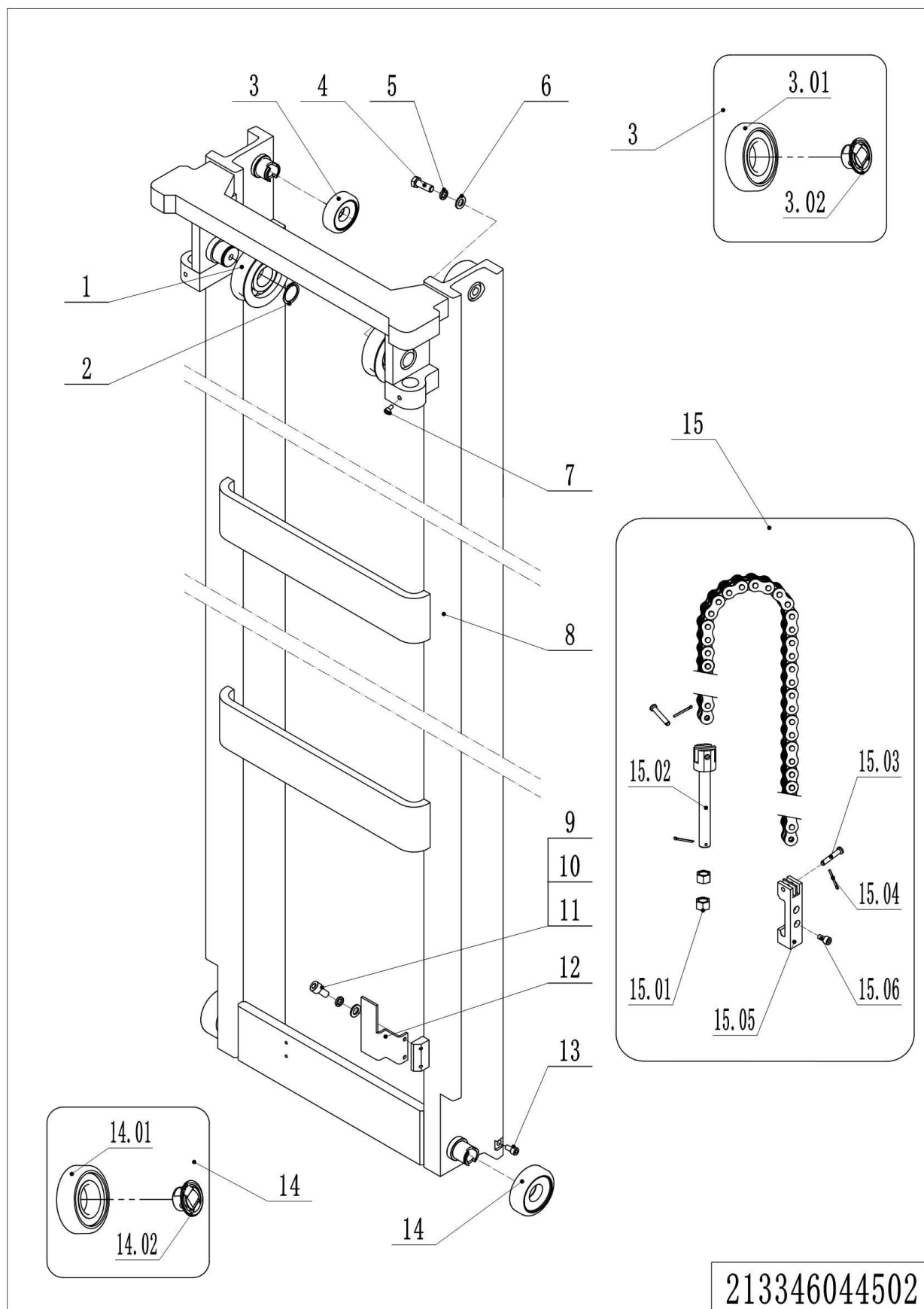
01 Outer Mast (213346044501) Continuation 1



01 Outer Mast (213346044501) Continuation 1

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
18	212144520060		Barrel	2		
19	910100300054		Bolt	2		
20	940200300052		Compound Roller	2		Φ89.6, most used
20.01	940200100067		Main Roller	1		
20.02	940200900012		Side Roller	1		
20	940200300056		Compound Roller	2		Φ89.2
20.01	940200100066		Main Roller	1		
20.02	940200900012		Side Roller	1		
20	940200300043		Compound Roller	2		Φ90
20.01	940200100065		Main Roller	1		
20.02	940200900012		Side Roller	1		
21	212133510008		Proximity Switch	1		
22	212144520061		Fixing Plate	2		
23	212133510006		Proximity Switch	1		
24	910200500052		Screw	4		
25	213344520005		Shield	1		10000
25	213344520006		Shield	1		10500
25	213344520007		Shield	1		11000
25	213344520008		Shield	1		11500
25	213344520009		Shield	1		12000
25	213344520010		Shield	1		12500
26	911000600007		Hose Clamp	6		
27	213333010001		Wire Harness	1		10000
27	213333010002		Wire Harness	1		10500
27	213333010003		Wire Harness	1		11000
27	213333010004		Wire Harness	1		11500
27	213333010005		Wire Harness	1		12000
27	213333010006		Wire Harness	1		12500

02 Middle Mast (213346044502)

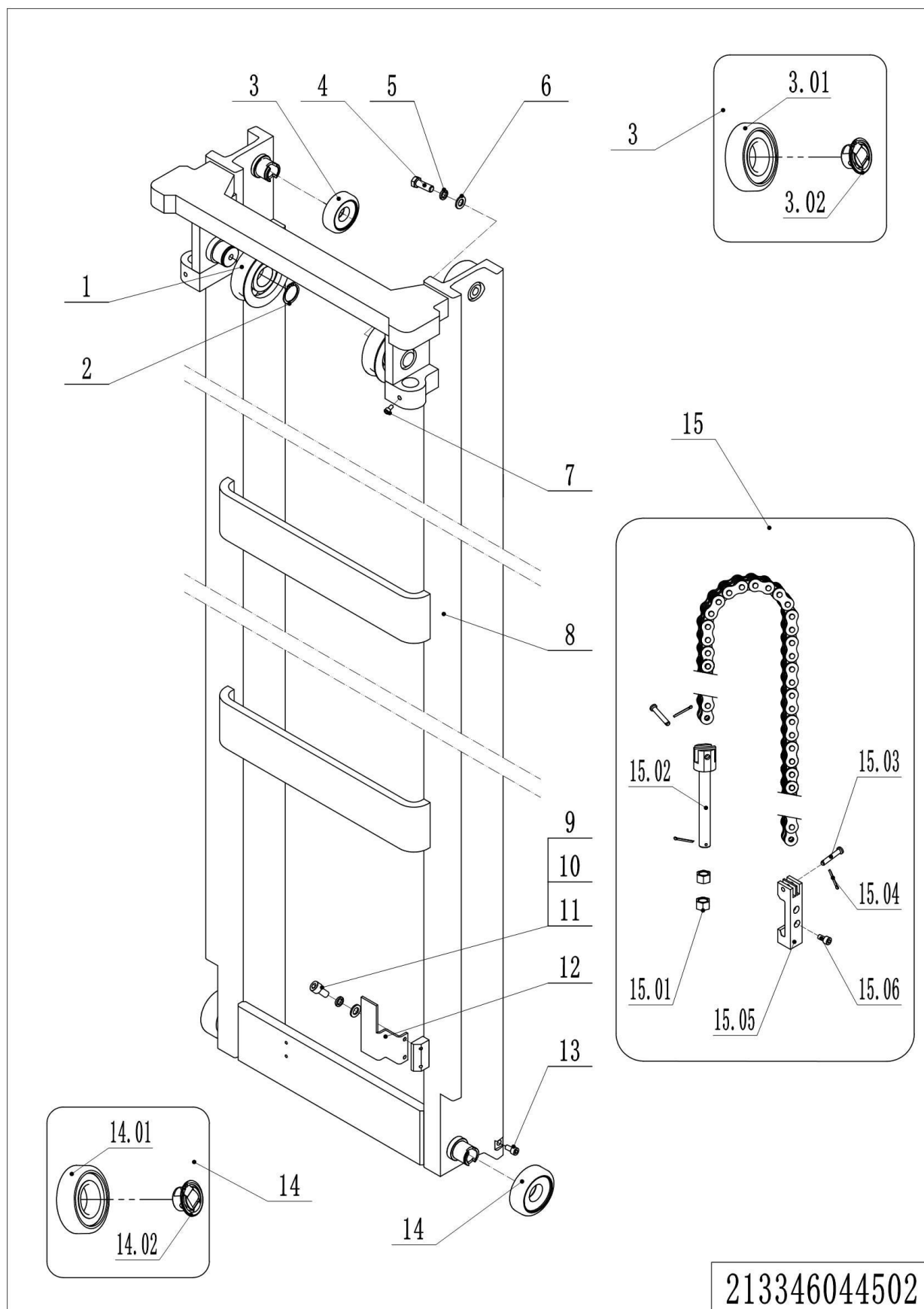


1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

02 Middle Mast (213346044502)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	940200500001		Sprocket Bearing	2		
2	910401300020		Circlip	2		
3	940200300034		Compound Roller	2		Φ89.27, most used
3.01	940200100064		Main Roller	1		
3.02	940200900013		Side Roller	1		
3	940200300051		Compound Roller	2		Φ88.7
3.01	940200100068		Main Roller	1		
3.02	940200900010		Side Roller	1		
3	940200300044		Compound Roller	2		Φ90.1, Disable
4	910100300051		Bolt	1		
5	910400500008		Spring Washer	1		
6	910400100008		Flat Washer	1		
7	910200800022		Screw	2		
8	213344510011		Middle Mast(10000)	1		10000
8	213344510012		Middle Mast(10500)	1		10500
8	213344510013		Middle Mast(11000)	1		11000
8	213344510014		Middle Mast(11500)	1		11500
8	213344510015		Middle Mast(12000)	1		12000
8	213344510016		Middle Mast(12500)	1		12500
9	910200200036		Screw	2		
10	910400500005		Spring Washer	2		
11	910400100005		Flat Washer	2		
12	212144520066		Fixing Plate	1		
13	910200200096		Screw	2		
14	940200300052		Compound Roller	2		Φ89.6, most used
14.01	940200100067		Main Roller	1		
14.02	940200900012		Side Roller	1		

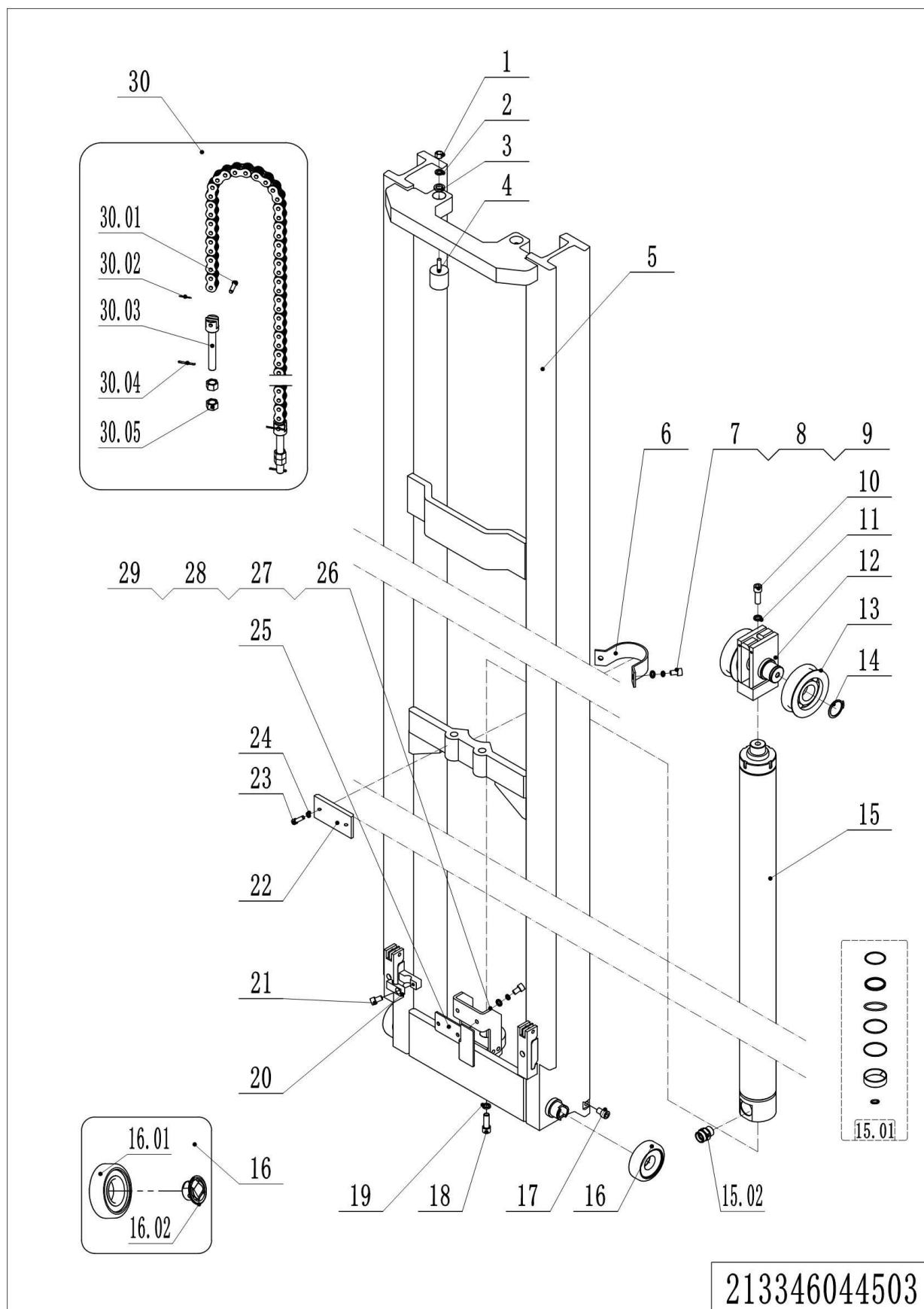
02 Middle Mast (213346044502) Continuation 1



02 Middle Mast (213346044502) Continuation 1

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
14	940200300056		Compound Roller	2		Φ89.2
14.01	940200100066		Main Roller	1		
14.02	940200900012		Side Roller	1		
14	940200300043		Compound Roller	2		Φ90
14.01	940200100065		Main Roller	1		
14.02	940200900012		Side Roller	1		
15	213344510045		Chain	2		10000
15	213344510046		Chain	2		10500
15	213344510047		Chain	2		11000
15	213344510048		Chain	2		11500
15	213344510049		Chain	2		12000
15	213344510050		Chain	2		12500
15.01	910300200008		Nut	2		
15.02	941300100012		Chain Bolt	1		
15.03	212144520316		Pin	2		
15.04	910600600030		Cotter Pin	3		
15.05	212144520081		Chain Seat	1		
15.06	910200200058		Screw M8x25	2		

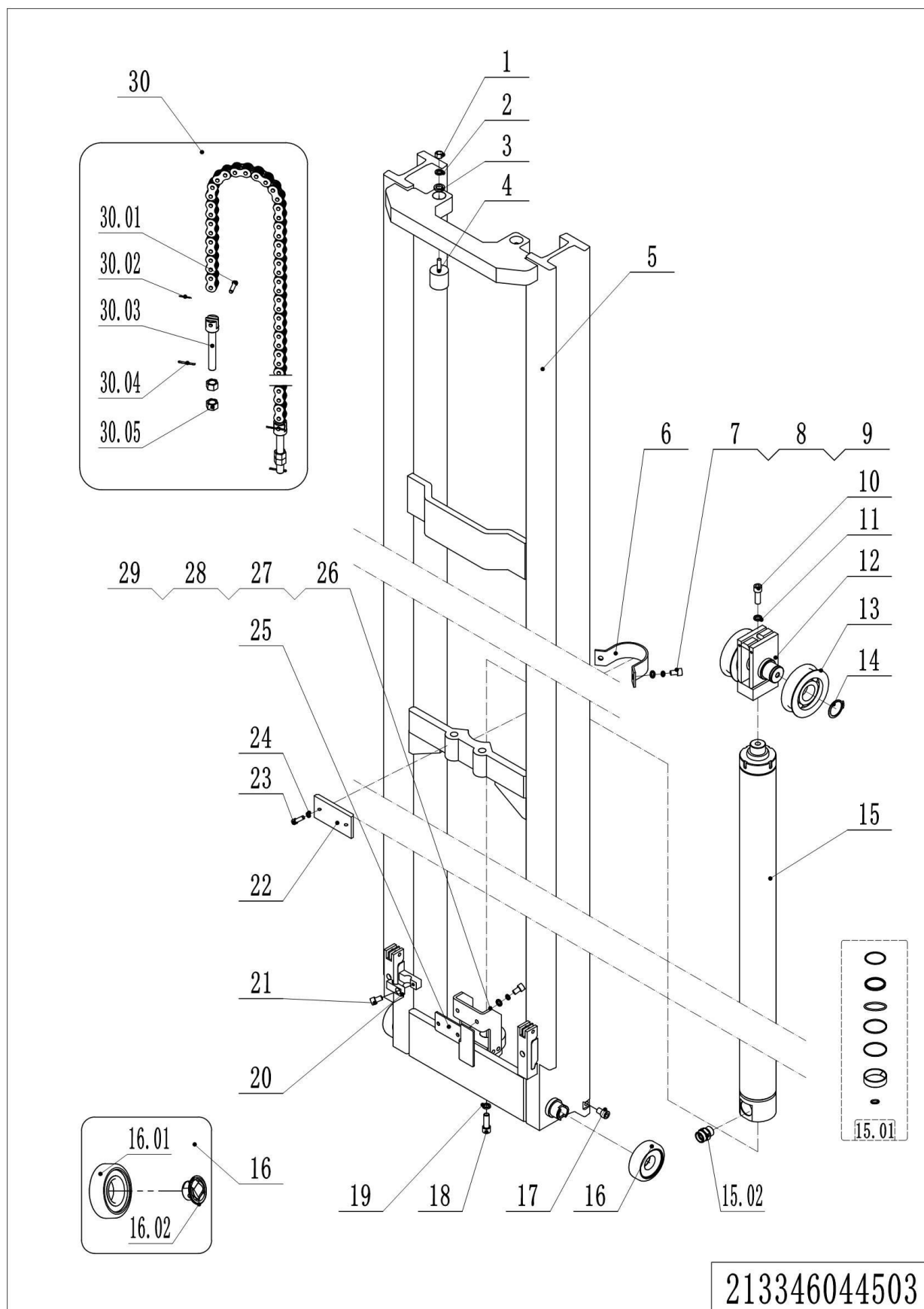
03 Inner Mast (213346044503)



03 Inner Mast (213346044503)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	910300500004		Nut	2		
2	910400500006		Spring Washer	3		
3	910400100006		Flat Washer	2		
4	212144520242		Crash Pad	2		
5	213344510051		Inner Mast(10000)	1		10000
5	213344510052		Inner Mast(10500)	1		10500
5	213344510053		Inner Mast(11000)	1		11000
5	213344510054		Inner Mast(11500)	1		11500
5	213344510055		Inner Mast(12000)	1		12000
5	213344510056		Inner Mast(12500)	1		12500
6	212144520068		Fixing Plate	1		
7	910100200005		Bolt	2		
8	910400500007		Spring Washer	2		
9	910400100007		Flat Washer	2		
10	910200200099		Screw	2		
11	910400500008		Spring Washer	4		
12	212144510049		Yoke	1		
13	940200500001		Sprocket Bearing	2		
14	910401300020		Circlip	2		
15	213344510031		Cylinder(10000)	1		10000
15	213344510026		Cylinder(10500)	1		10500
15	213344510027		Cylinder(11000)	1		11000
15	213344510028		Cylinder(11500)	1		11500
15	213344510029		Cylinder(12000)	1		12000
15	213344510030		Cylinder(12500)	1		12500
15.01	212198510003		Seal Kit	1		JX
15.01	212198510022		Seal Kit	1		BB
15.02	212198520036		Anti-explosion Valve	1		
16	940200300034		Compound Roller	2		Φ89.27, most used

03 Inner Mast (213346044503) Continuation 1

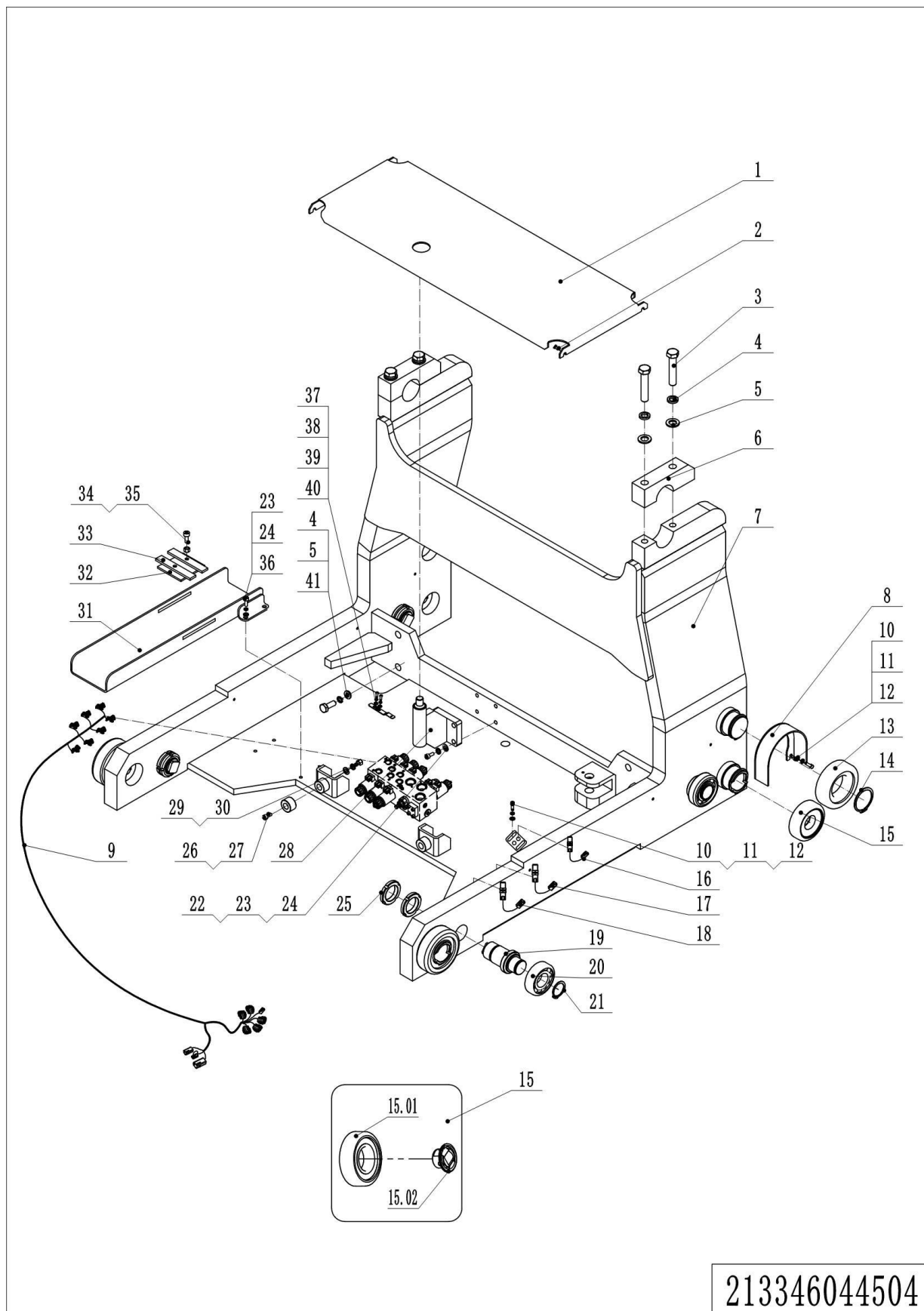


03 Inner Mast (213346044503) Continuation 1

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
16.01	940200100064		Main Roller	1		
16.02	940200900013		Side Roller	1		
16	940200300051		Compound Roller	2		Φ88.7
16.01	940200100068		Main Roller	1		
16.02	940200900010		Side Roller	1		
16	940200300044		Compound Roller	2		Φ90.1, Disable
17	910200200096		Screw	2		
18	910100200005		Bolt	1		
19	910400100008		Flat Washer	1		
20	213044520110		Pipe Clip	1		
21	910200200055		Screw	1		
22	212144520236		Press Plate	1		
23	910200500051		Screw	2		
24	910400500005		Spring Washer	2		
25	212144520298		Mounting Plate	1		
26	212144520049		Mounting Base	1		
27	910400100006	1	Flat Washer	2		
28	910400500006	1	Spring Washer	2		
29	910200200058	1	Screw	2		
30	213344510035		Chain	2		10000
30	213344510036		Chain	2		10500
30	213344510037		Chain	2		11000
30	213344510038		Chain	2		11500
30	213344510039		Chain	2		12000
30	213344510040		Chain	2		12500
30.01	212144520316		Chain Pin	2		
30.02	910600600022		Cotter Pin	2		
30.03	941300100012		Chain Bolt	2		
30.04	910600600030		Cotter Pin	2		
30.05	910300200008		Nut	4		

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

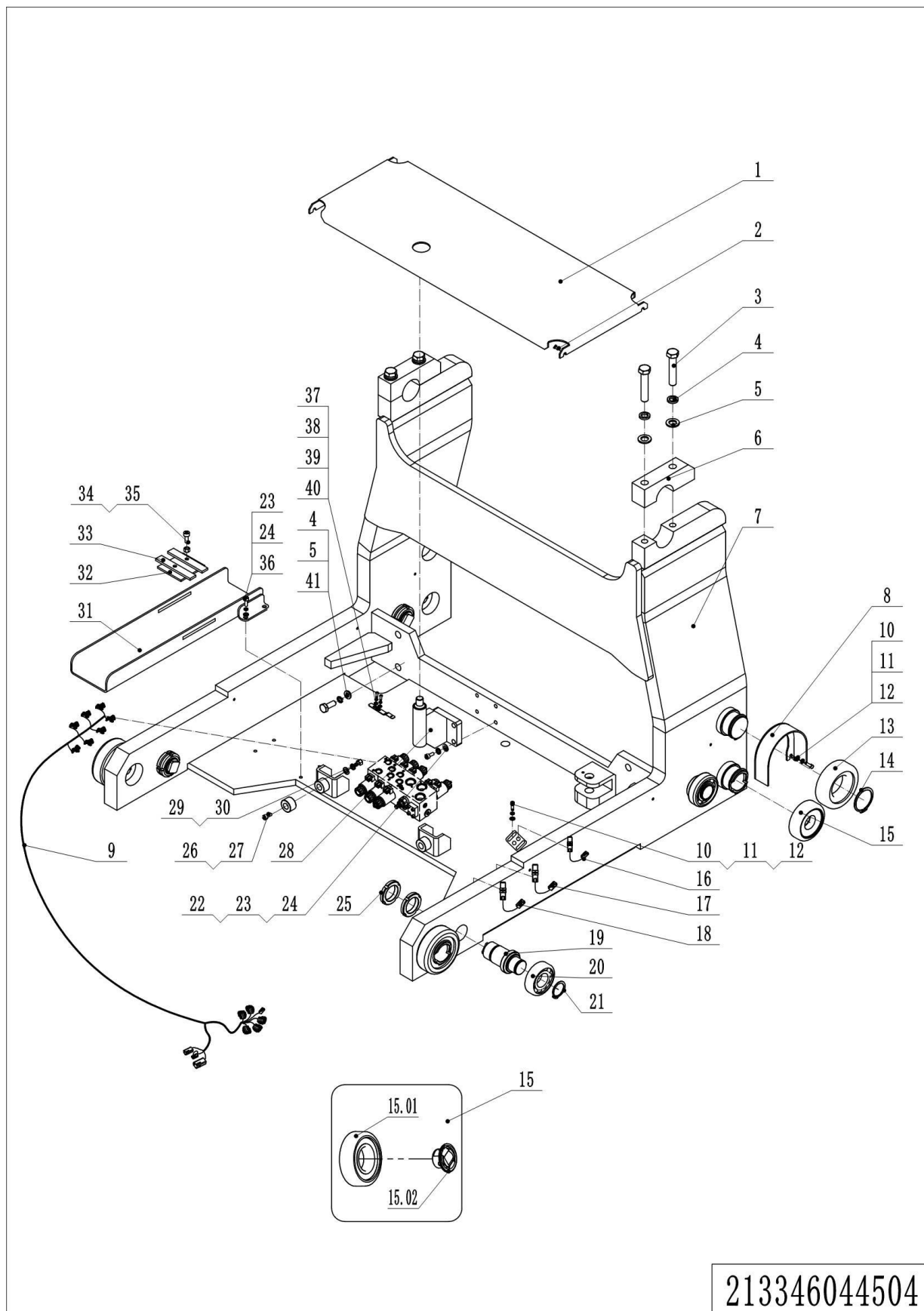
04 Reach Frame (213346044504)



04 Reach Frame (213346044504)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	213344520004		Close Plate	1		
2	910100300009		Bolt	4		
3	910100400039		Bolt	4		
4	910400500010		Spring Washer	8		
5	910400100010		Flat Washer	8		
6	213344520003		Fixing Plate	2		
7	213344510001		Frame	1		
8	212144510081		Protective Cover	2		
9	212133010015		Wire Harness	1		
9	212133010026		Wire Harness	1		EN1175-2020
10	910200200036		Screw	10		
11	910400100005		Flat Washer	10		
12	910400500005		Spring Washer	10		
13	940200100042		Main Roller	2		
14	910401300026		Circlip	6		
15	940200300042		Compound Roller	4		
15.01	940200100042		Main Roller	1		
15.02	940200900011		Side Roller	1		
16	212133510002		Proximity Switch	1		
17	212133510003		Proximity Switch	1		
18	212133510004		Proximity Switch	1		
19	212144520218		Axle	4		
20	940200100008		Main Roller	4		
21	910401300018		Circlip	4		
22	910200200079		Screw	4		
23	910400100007		Flat Washer	4		
24	910400500007		Spring Washer	4		

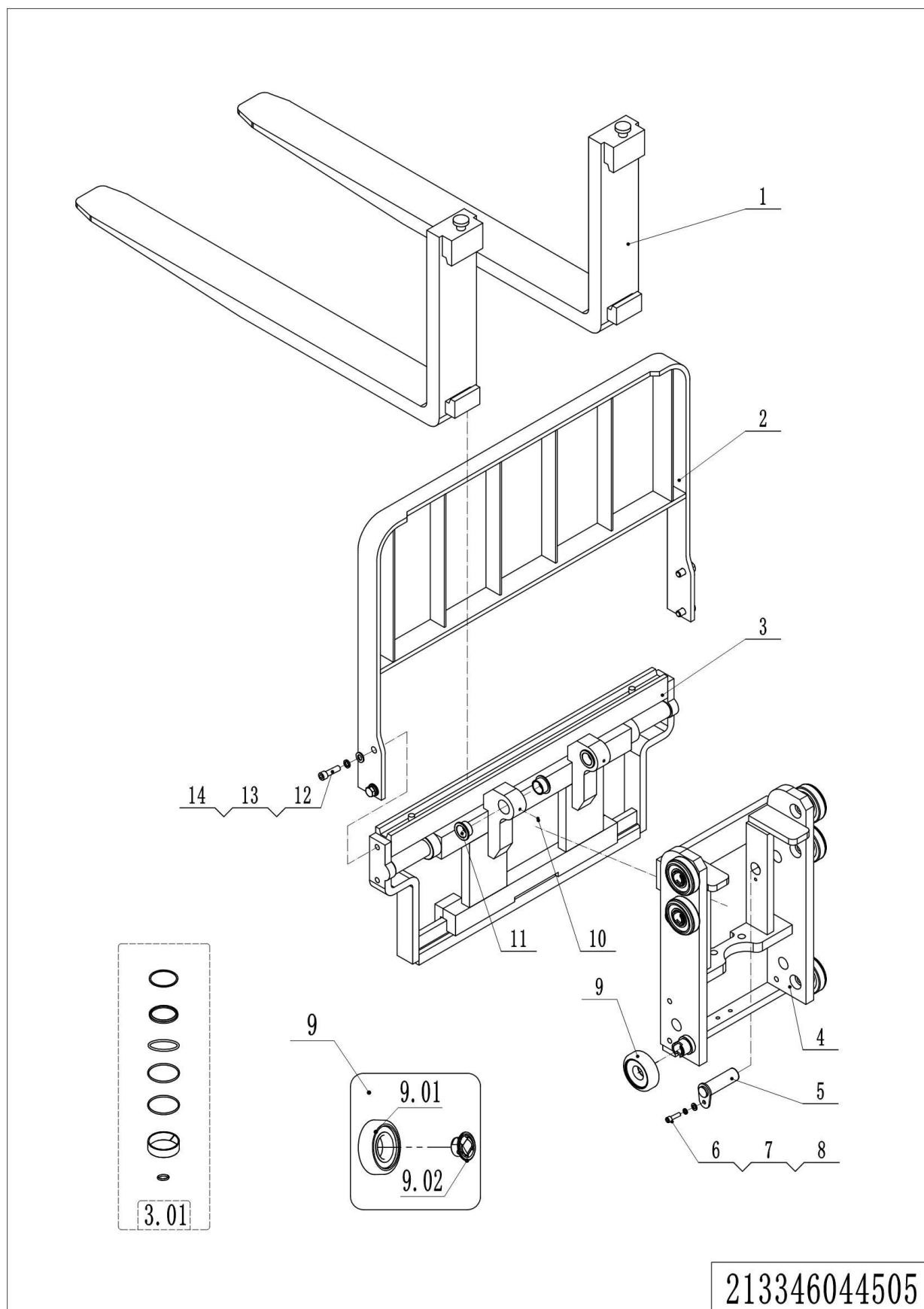
04 Reach Frame (213346044504) Continuation 1



213346044504

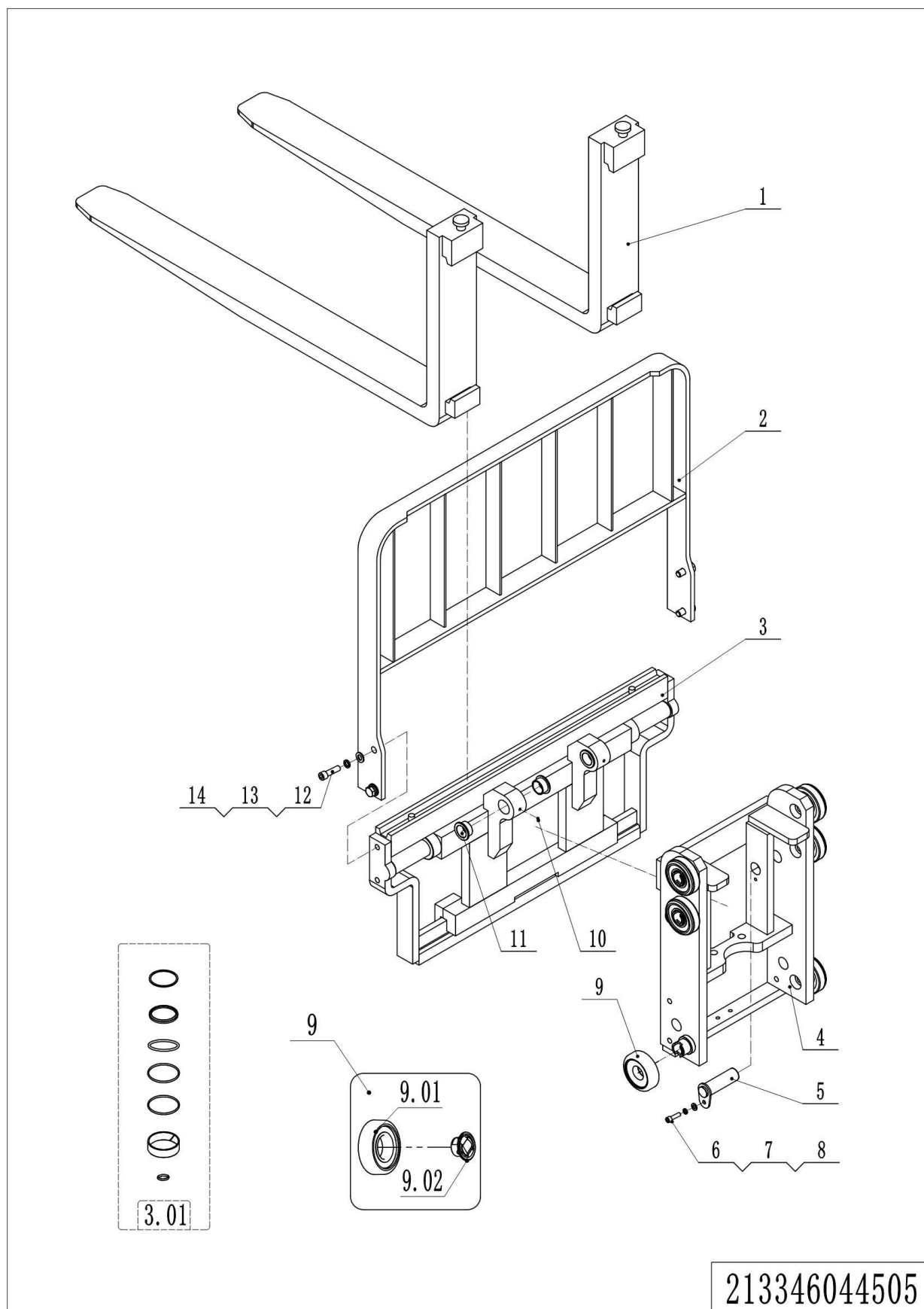
04 Reach Frame (213346044504) Continuation 1

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
25	910300800008		Nut	8		
26	532621520062		Crash Pad	2		
27	910200200060		Screw	2		
28	212144510051		Fixing Base	1		
29	910300500004		Nut	2		
30	910400100006		Flat Washer	8		
31	212125010000		Guide Slot	1		
32	212125020011		Plate	1		
33	212125020030		Press Plate	2		
34	910200200058		Screw	4		
35	910300100006		Nut	4		
36	910200200057		Screw	4		
37	910200500037		Screw	18		
38	910400500004		Spring Washer	18		
39	910400100004		Flat Washer	18		
40	921300300005		Holder	9		
41	910100200014		Bolt	4		

05 Fork Carriage (213346044505)

05 Fork Carriage (213346044505)

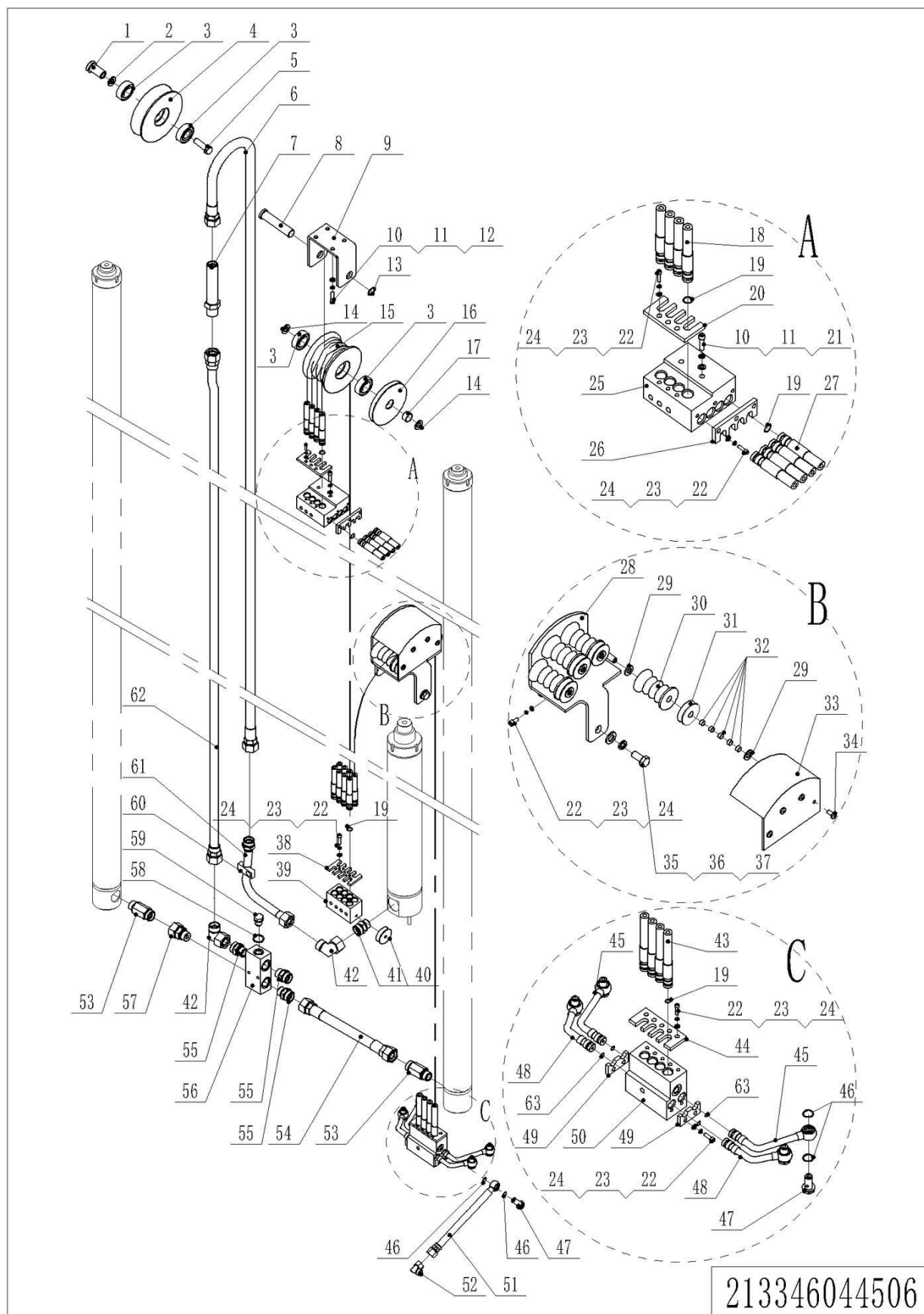
No.	Item Code	Mark	Item Description	Qty	Substitute	Note
1	940100100008		Fork120x40x1070	2		
1	940100100009		Fork120x40x1220	2		
1	940100100010		Fork120x40x1150	2		
1	940100100011		Fork120x40x1370	2		
1	940100100012		Fork120x40x1520	2		
1	940100100056		Fork120x40x1070 -side hole	2		Wireless Monitor
1	940100100059		Fork120x40x1220-side hole	2		Wireless Monitor
1	940100100058		Fork120x40x1150-side hole	2		Wireless Monitor
1	940100100060		Fork120x40x1370-side hole	2		Wireless Monitor
1	940100100061		Fork120x40x1520-side hole	2		Wireless Monitor
2	212140510001		Load Backrest	1		Without side-shift
2	212140510000		Load Backrest	1		Diamond-shaped, Disable
2	212140530002		Load Backrest	1		Square-shaped
3	212138010005		Fork Carriage	1		Without side-shift
3	940100200006		Side Shifter	1		LD
3	940100200015		Side Shifter	1		LH
3.01	212198510024		Seal Kit	1		LD
3.01	212198510025		Seal Kit	1		LH
4	212138010000		Carriage	1		
5	212138010003		Pin	2		
6	910200300025	1	Screw	2		
7	910400100006	1	Flat Washer	2		
8	910400500019	1	Spring Washer	2		
9	940200300034		Compound Roller	6		Φ89.27, most used
9.01	940200100064		Main Roller	1		
9.02	940200900013		Side Roller	1		

05 Fork Carriage (213346044505) Continuation 1

05 Fork Carriage (213346044505) Continuation 1

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
9	940200300051		Compound Roller	6		Φ88.7
9.01	940200100068		Main Roller	1		
9.02	940200900010		Side Roller	1		
9	940200300044		Compound Roller	6		Φ90.1, Disable
10	911200100002		Oil Cup	2		
11	940500400013		Bearing	4		
12	910100300050	1	Bolt	4		
13	910400500008	1	Spring Washer	4		
14	910400100008	1	Flat Washer	4		

06 Hydraulic Unit (Mast) (213346044506)

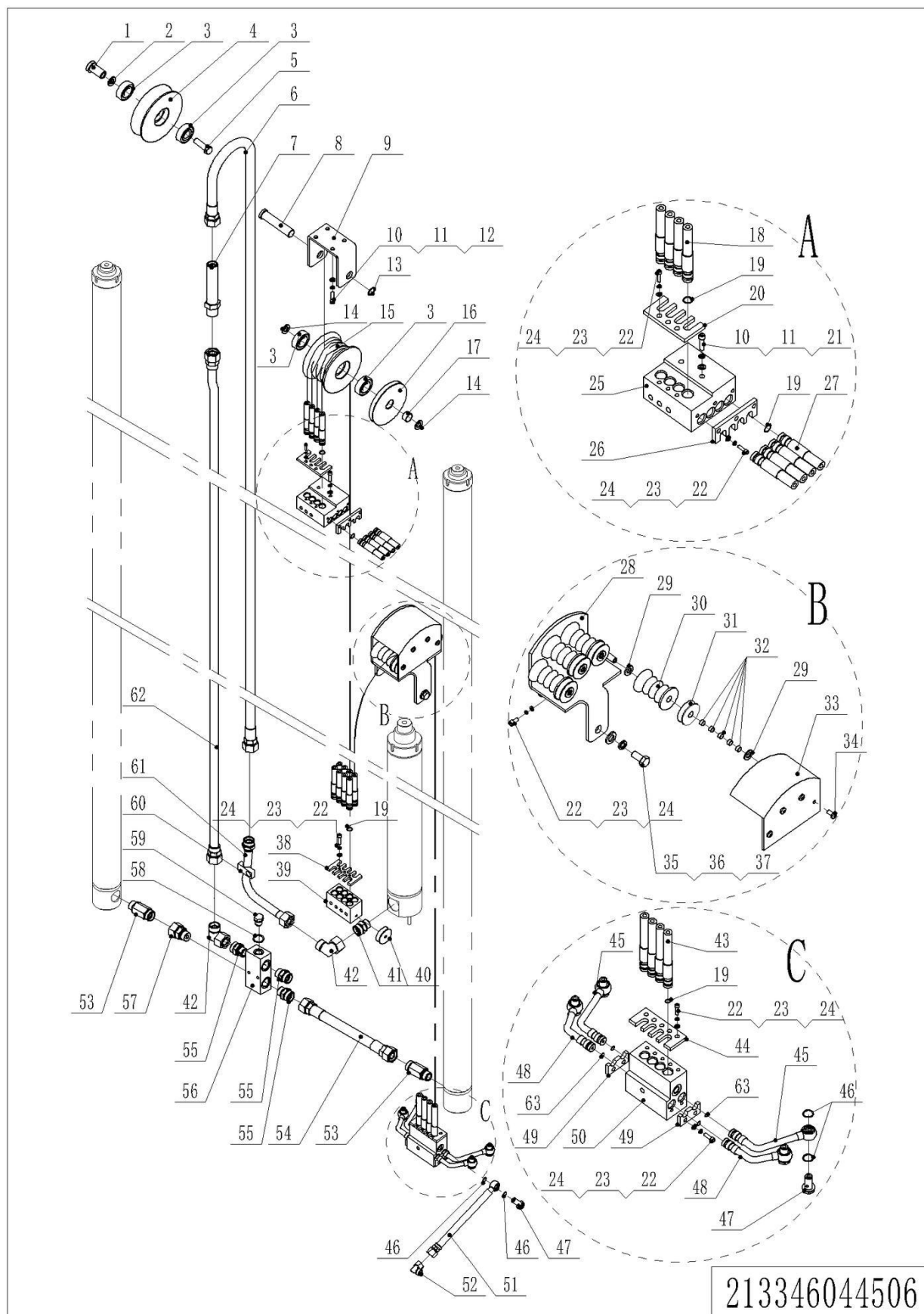


1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

06 Hydraulic Unit (Mast) (213346044506)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	212144520051		Pin	1		
2	212144520052		Washer	1		
3	910700200019		Bearing	4		
4	212144520050		Pulley	1		
5	910100300057		Bolt	1		
6	213344520075		Hose	1		10000
6	213344520076		Hose	1		10500
6	213344520077		Hose	1		11000
6	213344520078		Hose	1		11500
6	213344520079		Hose	1		12000
6	213344520080		Hose	1		12500
7	950400500003		Joint	1		
8	212144520057		Pin	1		
9	212144520044		Mounting Base	1		
10	910400100006		Flat Washer	10		
11	910400500006		Spring Washer	15		
12	910200200058		Screw	13		
13	910401300011		Circlip	1		
14	212144520056		Washer	2		
15	212144520053		Pulley	1		
16	212144520054		Pulley	1		
17	940500100016		Bushing	1		
18	213344520062		Hose	4		10000
18	213344520063		Hose	4		10500
18	213344520064		Hose	4		11000
18	213344520065		Hose	4		11500
18	213344520066		Hose	4		12000
18	213344520067		Hose	4		12500
19	910800100124		O-Ring	26		
20	212144520045		Plate	1		

06 Hydraulic Unit (Mast) (213346044506) Continuation 1

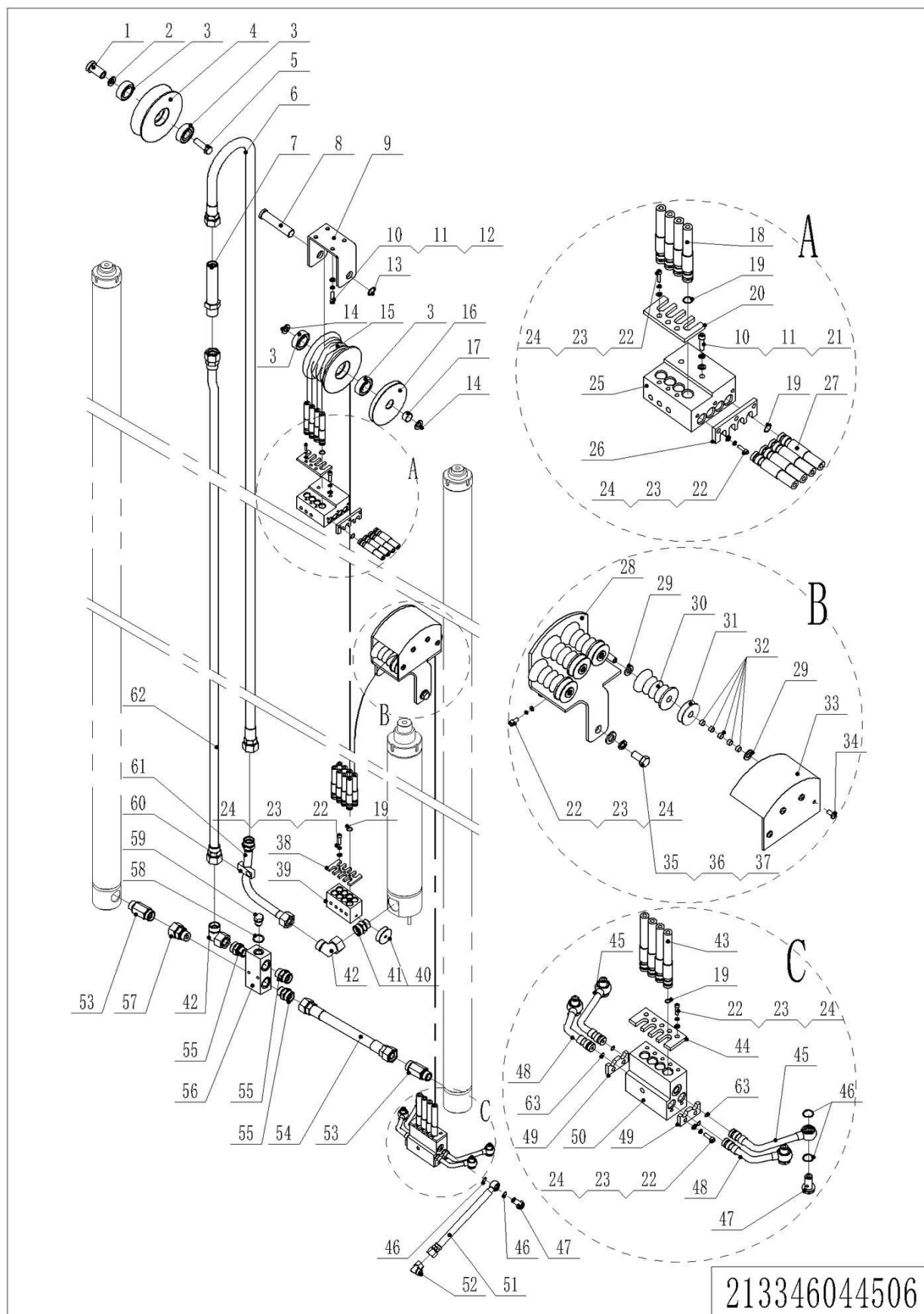


1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

06 Hydraulic Unit (Mast) (213346044506) Continuation 1

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
21	910200200062		Screw	2		
22	910200200035		Screw	16		
23	910400500005		Spring Washer	16		
24	910400100005		Flat Washer	16		
25	212144520047		Valve Block	1		
26	212144520046		Plate	1		
27	213325020005		Hose	4		10000
27	213325020006		Hose	4		10500
27	213325020007		Hose	4		11000
27	213325020008		Hose	4		11500
27	213325020009		Hose	4		12000
27	213325020010		Hose	4		12500
28	212144510047		Wheel Casing	1		
29	910400100007		Flat Washer	8		
30	212144520058		Pulley	4		
31	212144520059		Pulley	4		
32	940500100079		Bushing	20		
33	212144510046		Wheel Casing	1		
34	910200500052		Screw	4		
35	910100300048		Bolt	2		
36	910400500008		Spring Washer	3		
37	910400100008		Flat Washer	2		
38	212144520040		Plate	1		
39	212144520039		Valve Block	1		
40	212144520037		Pulley	1		
41	212198520036		Anti-explosion Valve	1		
42	950400200006		Joint	2		
43	213344520056		Hose	4		10000
43	213344520057		Hose	4		10500
43	213344520058		Hose	4		11000

06 Hydraulic Unit (Mast) (213346044506) Continuation 2



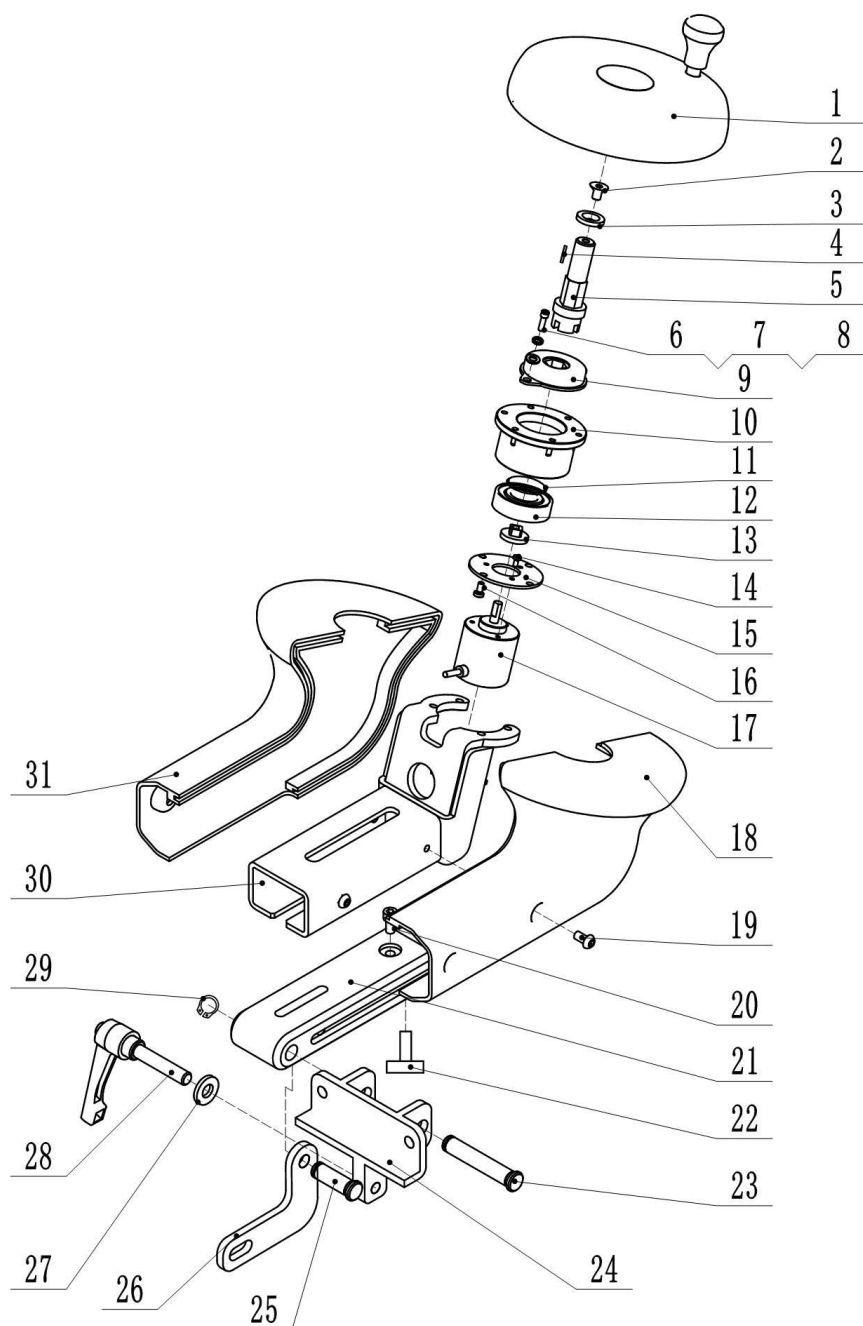
1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

06 Hydraulic Unit (Mast) (213346044506) Continuation 2

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
43	213344520059		Hose	4		11500
43	213344520060		Hose	4		12000
43	213344520061		Hose	4		12500
44	212144520032		Plate	1		
45	212144520033		Steel Tube	2		
46	910800100125		O-Ring	4		
47	212144520042		Bolt	4		
48	212144520034		Steel Tube	2		
49	212144520031		Plate	2		
50	212144520030		Valve Block	1		
51	212144520035		Hose	2		
52	950400200001		Joint	2		
53	212198520022		Anti-explosion Valve	2		
54	212144520036		Hose	1		
55	950400400011		Joint	3		
56	212144520041		Valve Block	1		
57	950400100003		Joint	1		
58	910800900005		Bonded Washer	1		
59	911300100001		Screw Plug	1		
60	213044520110		Pipe Clip	1		
61	212144520048		Steel Tube	1		
62	213344520068		Steel Tube	1		10000
62	213344520069		Steel Tube	1		10500
62	213344520070		Steel Tube	1		11000
62	213344520071		Steel Tube	1		11500
62	213344520072		Steel Tube	1		12000
62	213344520073		Steel Tube	1		12500
63	910800100124		O-Ring	4		

Chapter 5: Steering System, Braking System, Wheels

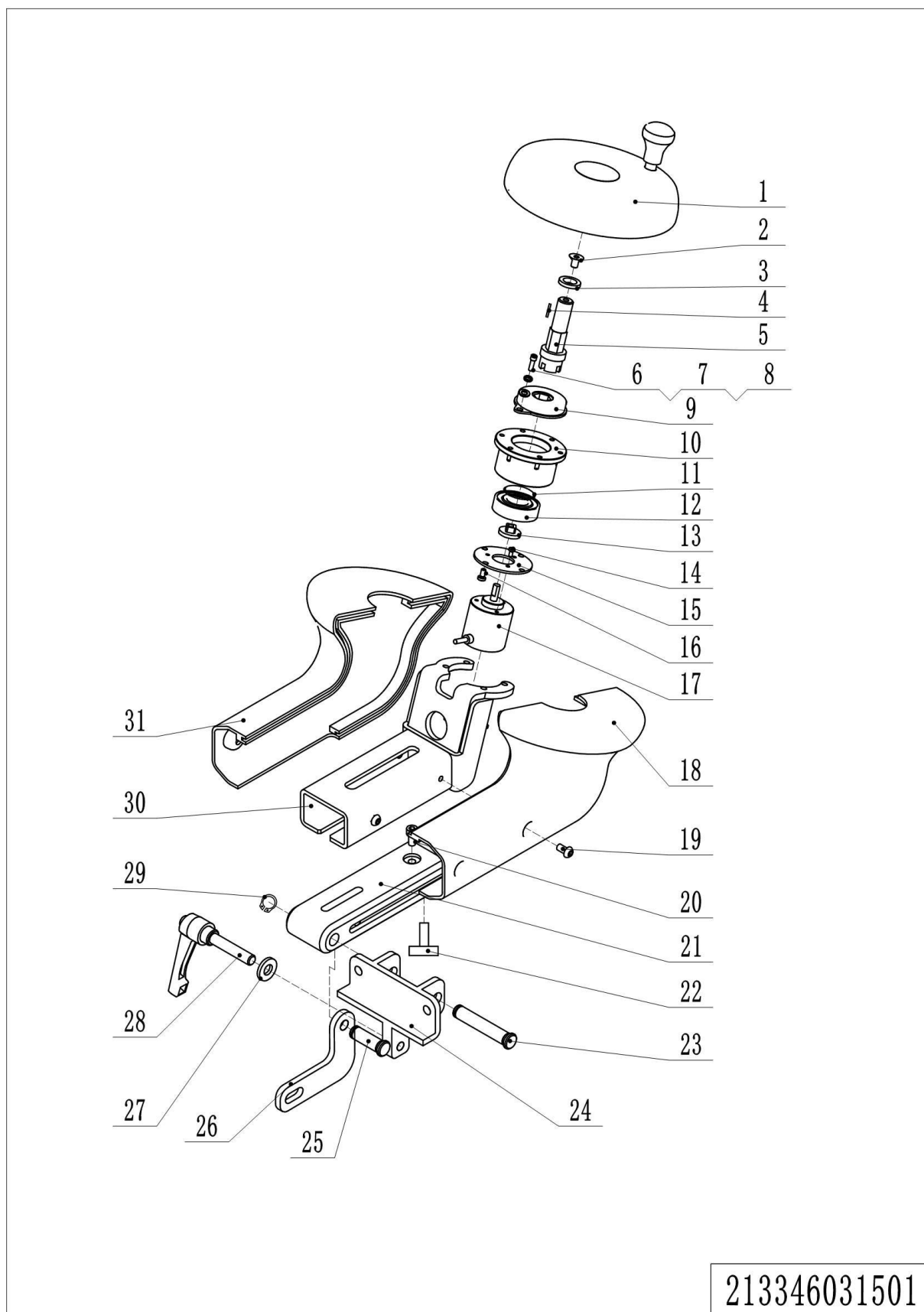
01 Steering Wheel (213346031501)



213346031501

01 Steering Wheel (213346031501)

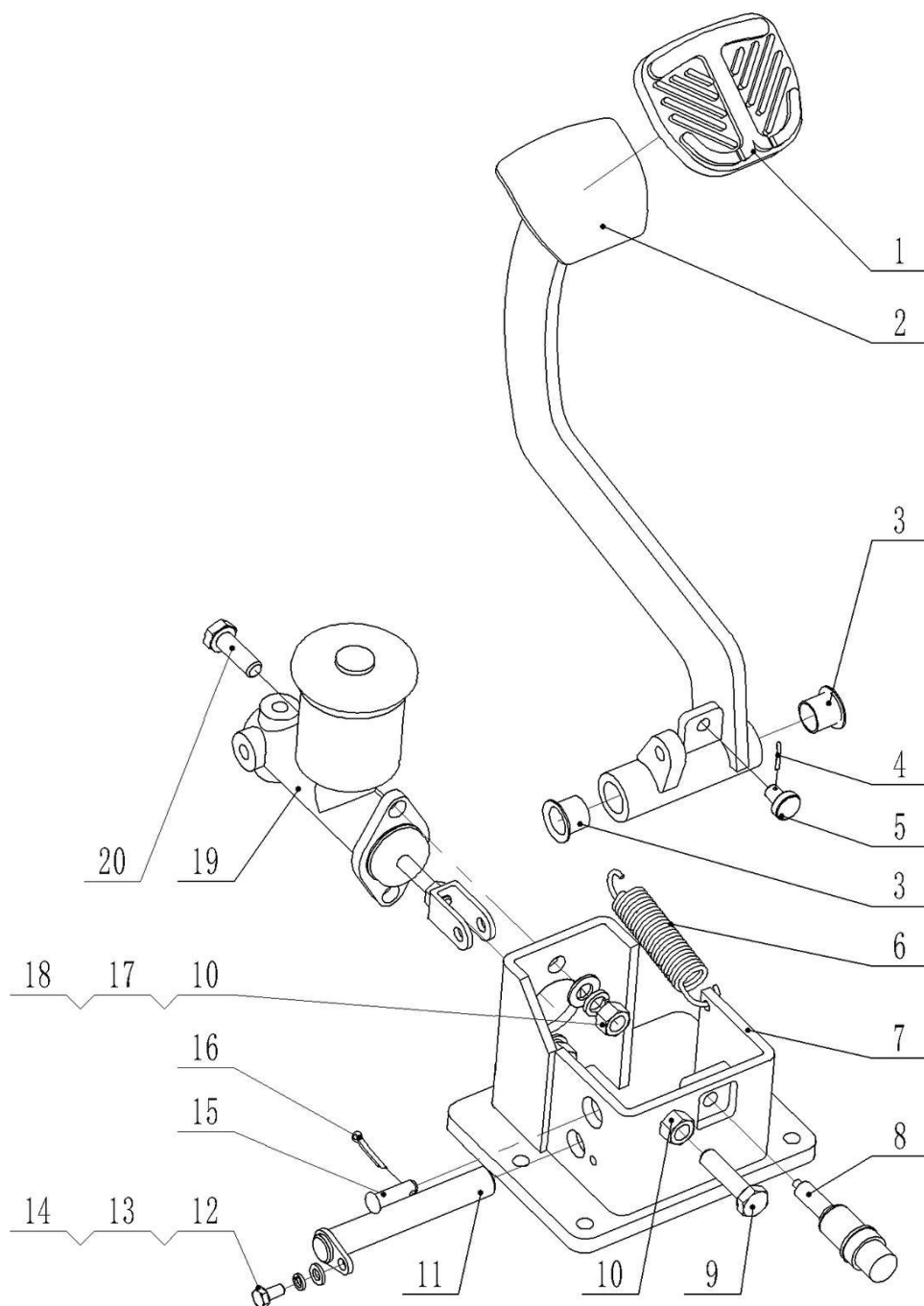
No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	940801700001		Handwheel	1		
2	910200400015	1	Screw	1		
3	212131520006		Washer	1		
4	910600800004		Flat Key	1		
5	212131520005		Axle	1		
6	910200500038	1	Screw	5		
7	910400100004	1	Flat Washer	5		
8	910400500004	1	Spring Washer	5		
9	271531511021		Damper	1		
10	212131520007		Bracket	1		
11	910401400012	1	Circlip	1		
12	910700200004		Bearing	1		
13	505931520002		Link Block	1		
14	910200500009	1	Screw	3		
15	212131520008		Fixing Plate	1		
16	910200500021	1	Screw	4		
17	921800200039		Potentiometer	1		
17	921800200031		Potentiometer	1		Disable
18	212131520001		Protective Cover	1		
19	910200300017	1	Screw	4		
20	910200200033	1	Screw	1		
21	212131520004		Sliding Block	1		
22	212131520015		Handwheel	1		
23	440517020002		Pin	1		
24	212131510000		Fixing Base	1		
25	213031540015		Pin	1		
26	212131520003		Fixing Plate	1		

01 Steering Wheel (213346031501) Continuation 1

01 Steering Wheel (213346031501) Continuation 1

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
27	212131520002		Washer	1		
28	272031510001		Handle	1		
29	910401300003	1	Circlip	1		
30	212131510001		Fixing Base	1		
31	212131520000		Protective Cover	1		

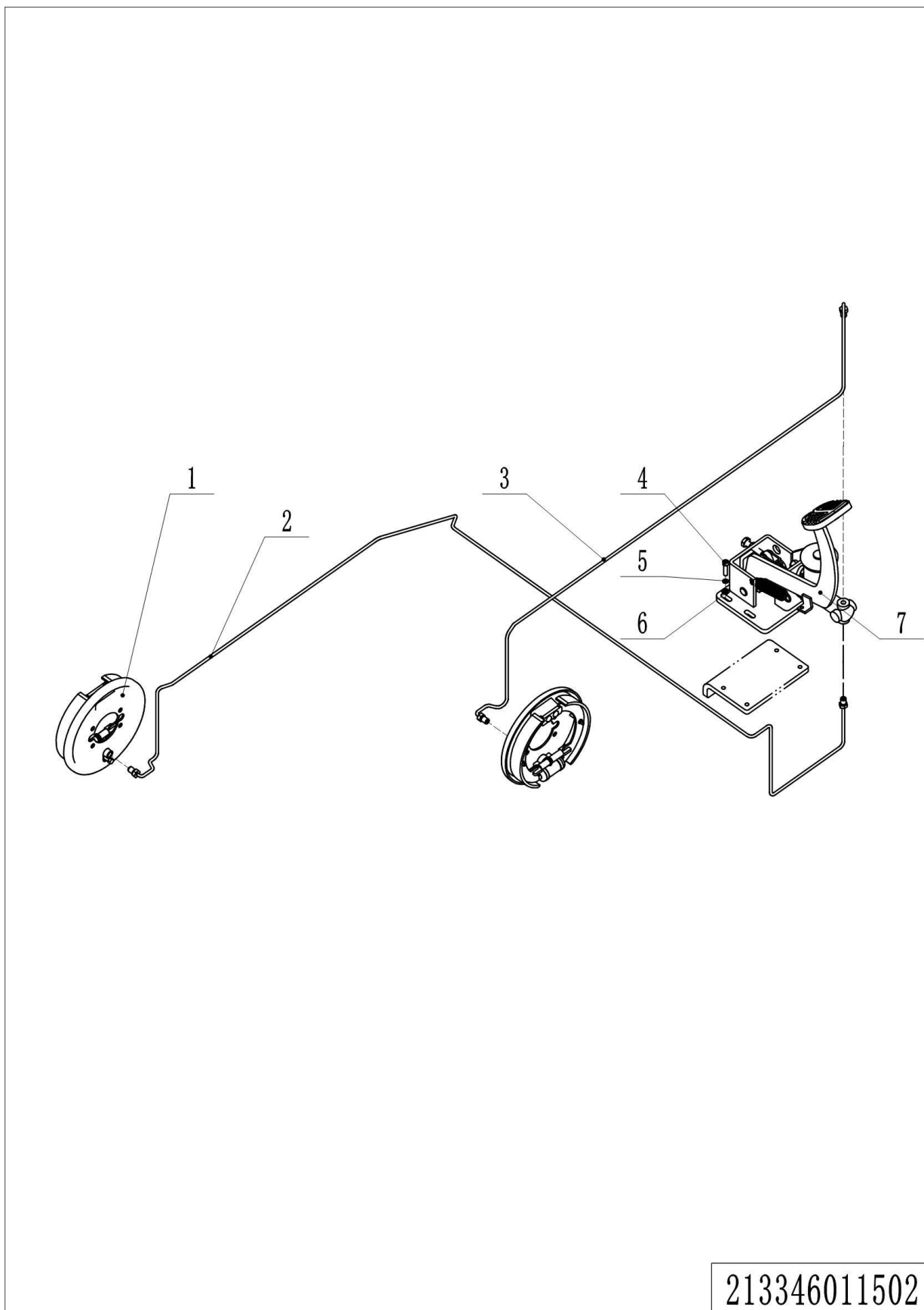
02 Brake Pedal (213346011501)



213346011501

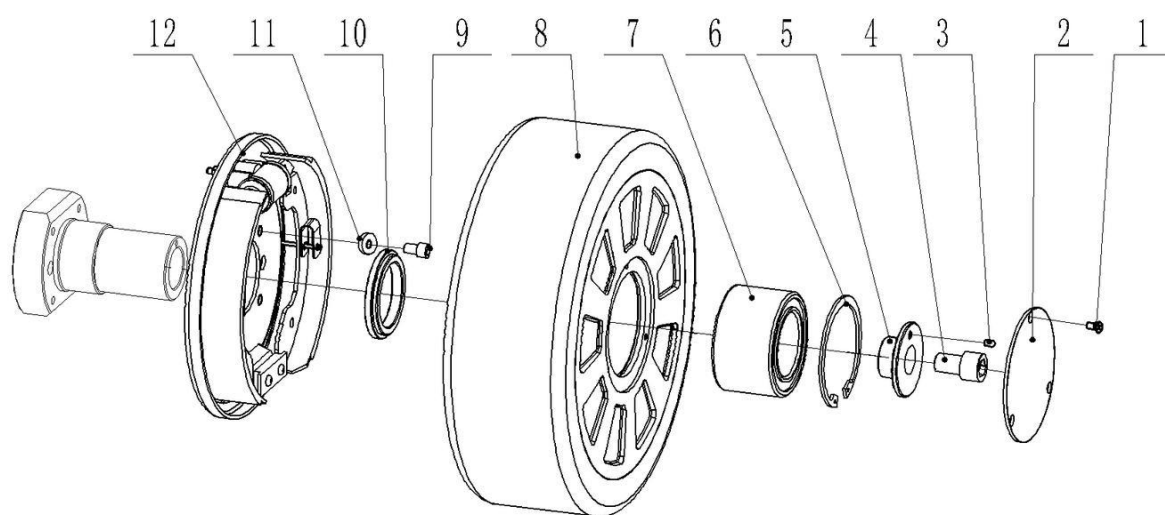
02 Foot Brake Unit (213346011501)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	253511520010		Rubber Mat	1		
2	212111510003		Pedal	1		
3	940500200016		Bushing	2		
4	910600600011		Cotter Pin	1		
5	251011520015		Crash Pad	1		
6	275211521013		Spring	1		
7	212111510001		Bracket	1		
8	920201000002		Switch	1		
9	910100300039		Bolt	1		
10	910300100007		Nut	3		
11	212111510002		Pin	1		
12	910400100005		Flat Washer	1		
13	910400500005		Spring Washer	1		
14	910100300009		Bolt	1		
15	910600700026		Pin	1		
16	910600600026		Cotter Pin	1		
17	910400100007		Flat Washer	2		
18	910400500007		Spring Washer	2		
19	212111510006		Brake Pump	1		
20	910100300037		Bolt	2		

03 Brake Unit (213346011502)

03 Brake Unit (213346011502)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	940700200003		Brake	2		
2	213311510000		Steel Tube	1		
3	213311510001		Steel Tube	1		
4	910200200058		Screw	4		
5	910400500006		Spring Washer	4		
6	910400100006		Flat Washer	4		
7	212111510000		Foot Brake Assembly	1		See 213346011501

04 Load Wheel (213346017001)

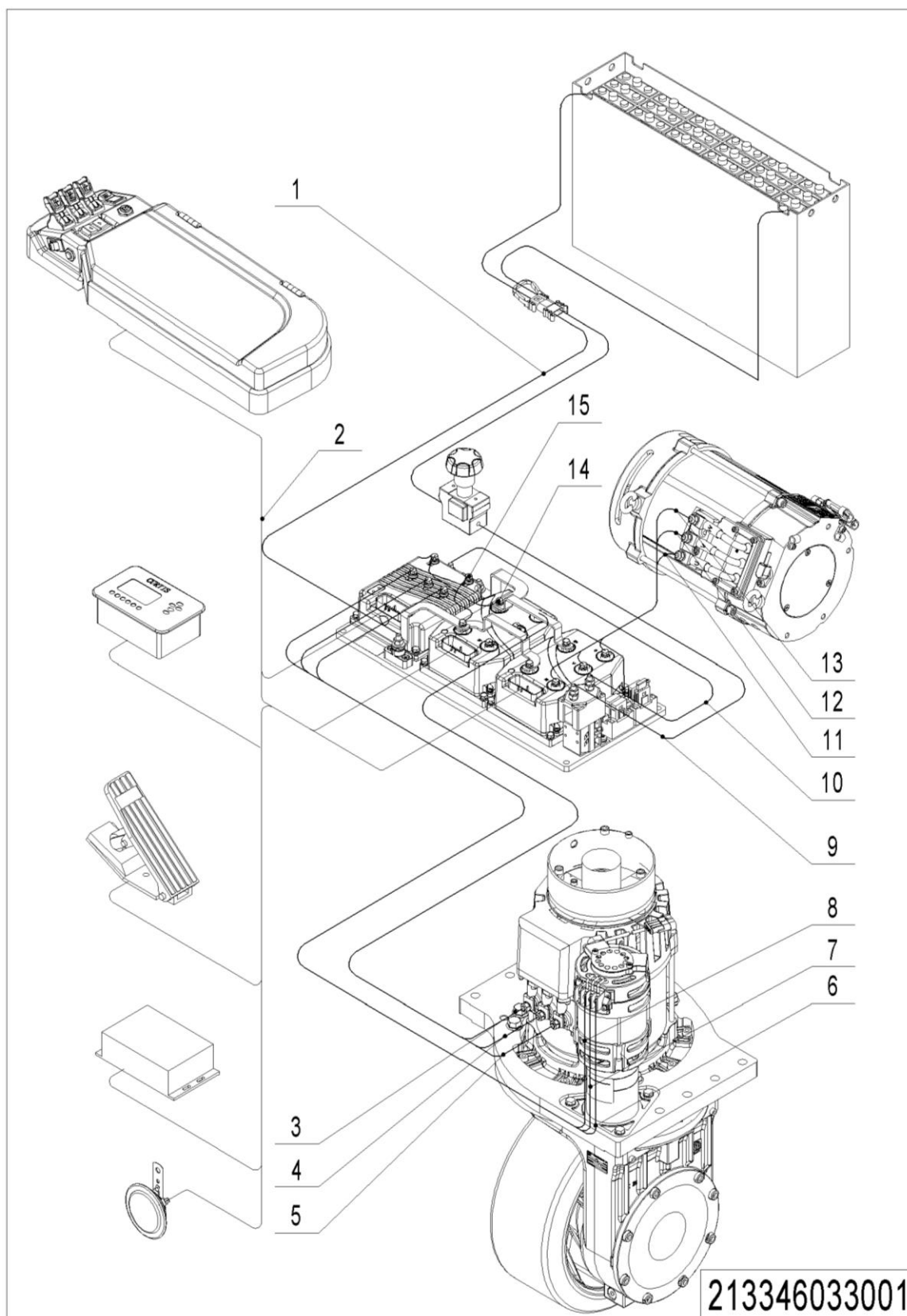
213346017001

04 Load Wheel (213346017001)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	910200600016		Screw	3		
2	212117020000		Close Plate	1		
3	910600100009		Cylindrical Pin	1		
4	910202500001		Screw	1		
5	212117020002		Press Cover	1		
6	910401400024		Circlip	1		
7	941101000005		Bearing	1		
8	940300300036		Wheel Φ 330x140	1		YuLin
8	940300300068		Wheel Φ 330x140	1		Stellana
9	910100300022		Bolt	4		
10	212117020001		Washer	1		
11	910400100006		Flat Washer	4		
12	/		/	/		

Chapter 6: Electrical Parts

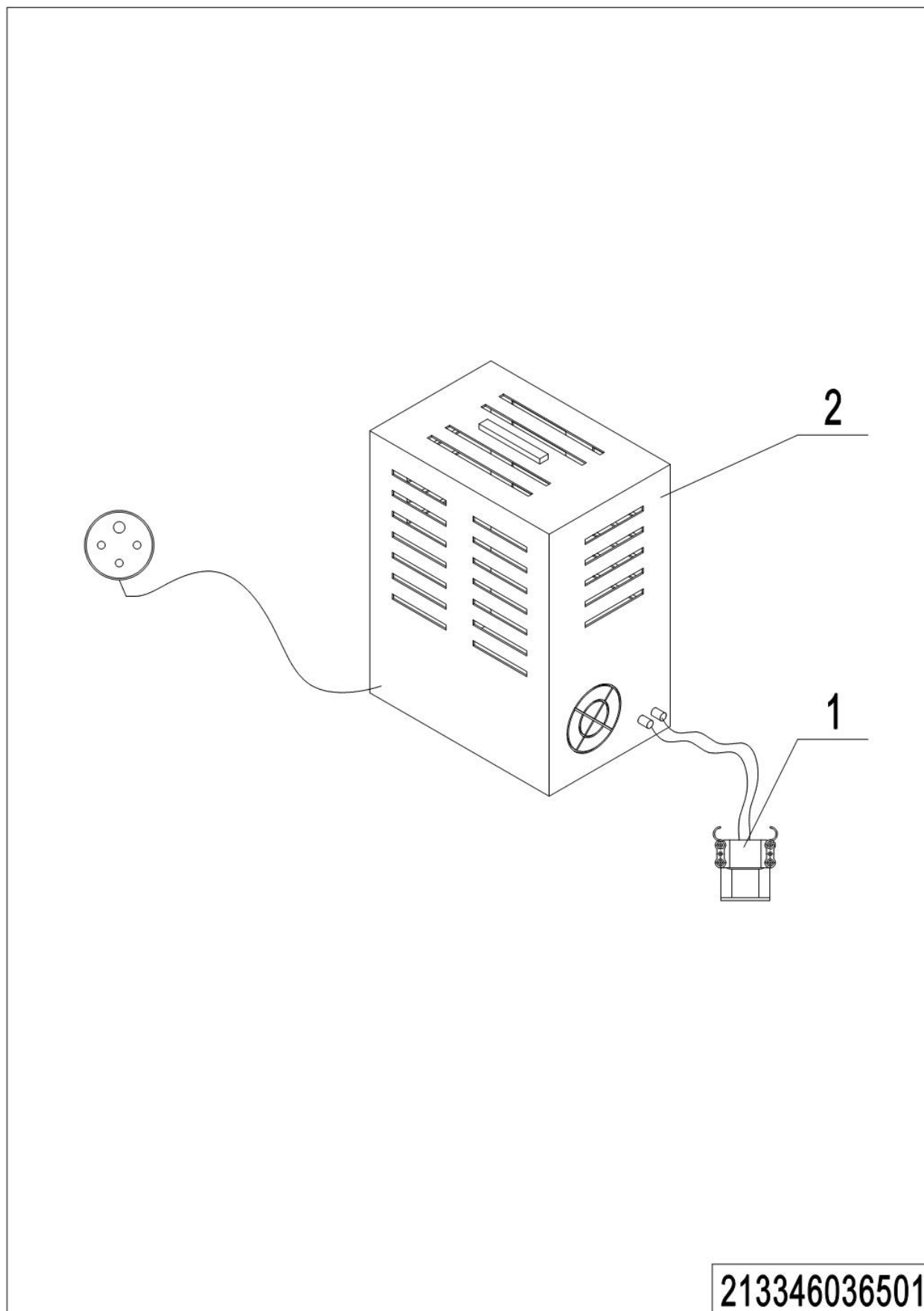
01 Wire Harness (213346033001)



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

01 Wire Harness (213346033001)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	212133010010		Wire Harness	1		Lead Acid
1	213133010017		Wire Harness	1		Lithium
1	213333010035		Wire Harness	1		20kw
2	213333010000		Wire Harness	1		1232SE
2	213333010020		Wire Harness	1		F4A
2	213333010023		Wire Harness	1		EN1175-2020
2	213333010022		Wire Harness	1		1232SE+1353+3401
3	212133010001		Cable	1		
4	212133010002		Cable	1		
5	212133010003		Cable	1		
6	212133010007		Cable	1		
7	212133010008		Cable	1		
8	212133010009		Cable	1		
9	212133010011		Cable	1		
9	213333010036		Cable	1		20kw
10	212133010012		Cable	1		
10	213333010037		Cable	1		20kw
11	212133010004		Cable	1		
11	213333010032		Cable	1		20kw
12	212133010005		Cable	1		
12	213333010033		Cable	1		20kw
13	212133010006		Cable	1		
13	213333010034		Cable	1		20kw
14	213033010018		Cable	1		
15	213033010019		Cable	1		

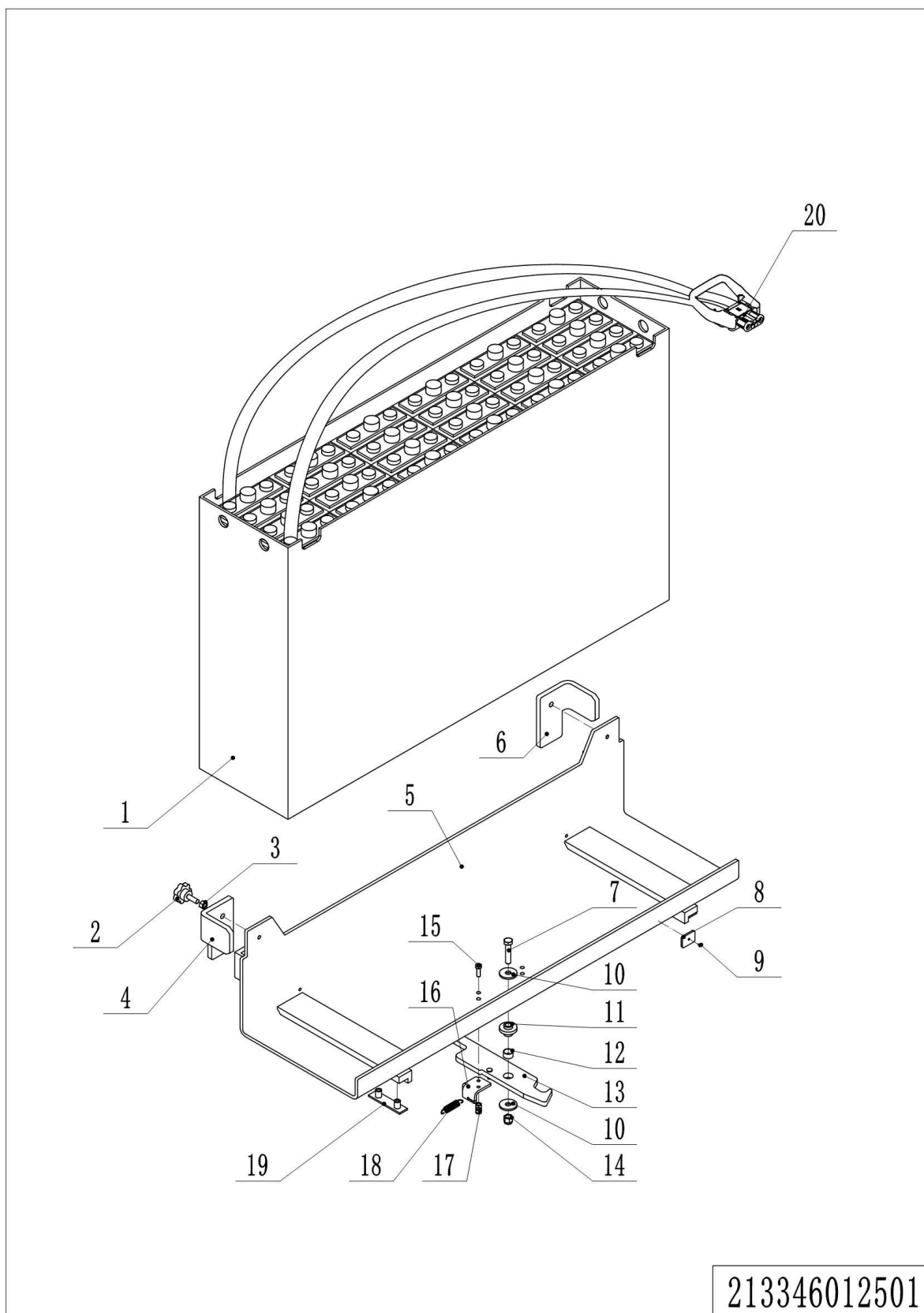
02 Charger (213346036501)

02 Charger (213346036501)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	920400100033		Connector	1		Lead Acid
1	920400100037		Connector	1		Lithium
2	921000200097		Charger48V100A(Aisa-CHN)	1		Lead Acid
2	921000200098		Charger48V100A(Aisa-ENG)	1		Lead Acid
2	921000200099		Charger48V100A(EU)	1		Lead Acid
2	921000200100		Charger48V100A(ENG)	1		Lead Acid
2	921000200101		Charger48V100A(AUS)	1		Lead Acid
2	921000200102		Charger48V100A(USA)	1		Lead Acid
2	921000200610		Charger48V100A(ITA)	1		Lead Acid
2	921000200401		Charger48V200A(Aisa-CHN)	1		Lithium
2	921000200481		Charger48V200A(EU)	1		Lithium
2	921000200697		Charger48V200A(USA)	1		Lithium
2	921000200645		Charger48V120A(Aisa-ENG)	1		Lead Acid
2	921000200406		Charger48V150A(Aisa-CHN)	1		Lithium
2	921000200451		Charger48V150A(EU)	1		Lithium
2	921000200712		Charger48V150A(AUS)	1		Lithium
2	921000200696		Charger48V150A(USA)	1		Lithium
2	921000200719		Charger48V150A(EU)	1		Lithium
2	921000200773		Charger48V150A(AUS)	1		Lithium
2	921000200771		Charger48V150A(Aisa-ENG)	1		Lithium
2	921000200772		Charger48V150A(USA)	1		Lithium
2	921000200774		Charger48V150A(USA)	1		Lithium
2	921000200720		Charger48V200A(USA)	1		Lithium
2	921000200775		Charger48V200A(Aisa-ENG)	1		Lithium
2	921000200702		Charger48V200A(USA)	1		Lithium
2	921000200721		Charger48V200A(EU)	1		Lithium
2	921000200713		Charger48V200A(AUS)	1		Lithium
2	921000200776		Charger48V200A(AUS)	1		Lithium
2	921000200777		Charger48V200A(USA)	1		Lithium
2	921000200778		Charger48V200A(USA)	1		Lithium
2	921000200905		Charger48V120A(Aisa-USA)	1		
2	921000200850		Charger48V100A	1		
2	921000200958		Charger48V 200A(USA)	1		Lithium
2	921000201030		Charger48V 50A(USA)	1		Lithium

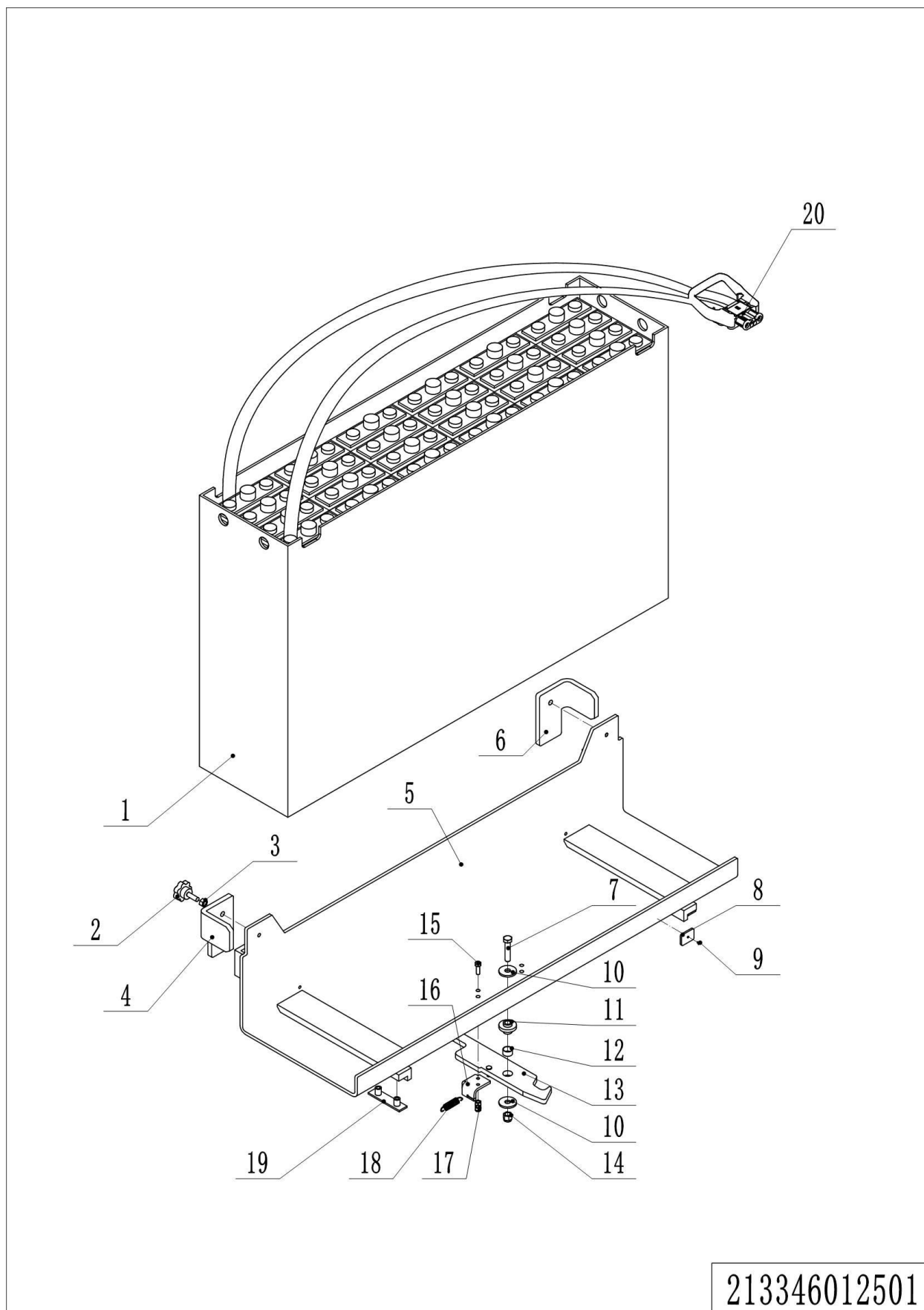
Chapter 7: Special Parts

01 Battery Holder (213346012501)



01 Battery Holder (213346012501)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	213337010000		Battery 48V700Ah	1		
1	213337010001		Battery 48V700Ah	1		
1	920600100169		Li Battery 48V400Ah	1		
1	920600100290		Li Battery 51.2V412Ah	1		
1	920600100291		Li Battery 51.2V412Ah	1		
1	920600100368		Li Battery 51.2V554Ah	1		
1	920600100369		Li Battery 51.2V554Ah	1		
1	920600100665		Li Battery 51.2V554Ah	1		
1	920600100666		Li Battery 51.2V554Ah	1		
1	920600100663		Li Battery 51.2V412Ah	1		
1	920600100664		Li Battery 51.2V412Ah	1		
1	213337040002		Battery 48V945Ah	1		
1	920600100661		Li Battery 51.2V525Ah	1		
1	213337030000		Battery 48V700Ah	1		
1	213337030001		Battery 48V750Ah	1		
1	920600100719		Li Battery 51.2V412Ah	1		
1	920600100720		Li Battery 51.2V554Ah	1		
1	920600100721		Li Battery 51.2V412Ah	1		
1	920600100722		Li Battery 51.2V554Ah	1		
1	213337040003		Battery 48V945Ah	1		
1	213337030002		Battery 48V750Ah	1		
1	213337030003		Battery 48V750Ah	1		
1	920600101020		Li Battery 51.2V412Ah	1		
2	911000300002		Handle	2		
3	910300100007		Nut	2		
4	213012520303		Stop Block	1		

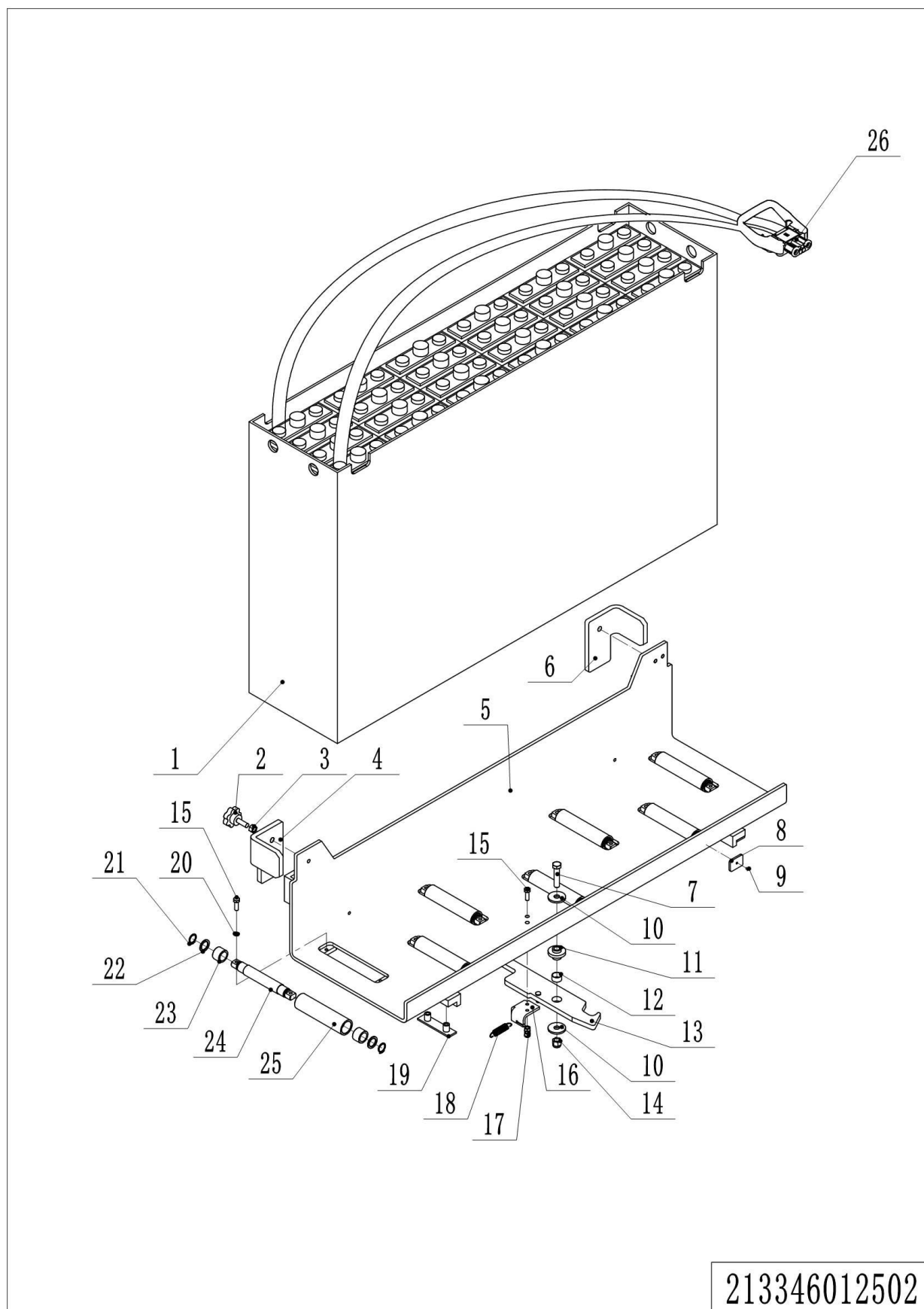
01 Battery Holder (213346012501) Continuation 1

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

01 Battery Holder (213346012501) Continuation 1

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
5	213312510000		Battery Rack	1		With 700Ah Battery
5	213312530001		Battery Rack	1		With 945Ah Battery
6	213012520304		Stop Block	1		
7	910100300055		Bolt	1		
8	255021020068		cushion rubber	2		
9	910200400014		Bolt	2		
10	213012520009		Washer	2		
11	213012520008		Bracket	1		
12	940500100012		Bushing	1		
13	213312510011		Pothook	1		With 700Ah Battery
13	213312530002		Pothook	1		With 945Ah Battery
14	910300500006		Nut	1		
15	910100300023		Bolt	2		
16	213012520005		Plate	1		
17	910300500004		Nut	2		
18	213012520006		Spring	1		
19	255044020131		Base plate	4		
20	920400100013		Battery Plug	1		Lead-acid
20	920400100059		Battery Plug	1		Lithium

02 Battery Holder (Side-pull) (213346012502)

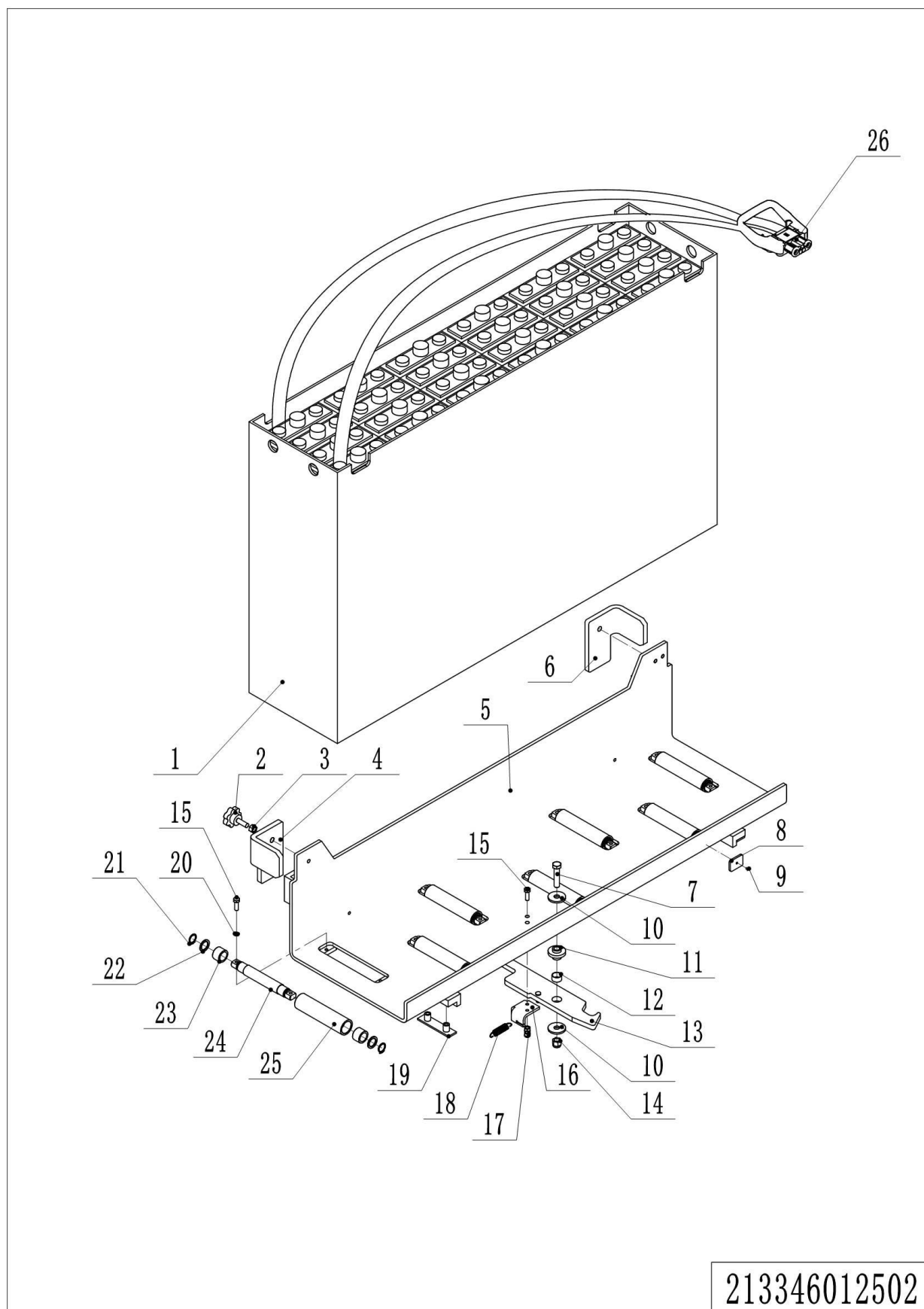


1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

01 Battery Holder (Side-pull) (213346012502)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	213337010000		Battery 48V700Ah	1		
1	213337010001		Battery 48V700Ah	1		
1	920600100169		Li Battery 48V400Ah	1		
1	920600100290		Li Battery 51.2V412Ah	1		
1	920600100291		Li Battery 51.2V412Ah	1		
1	920600100368		Li Battery 51.2V554Ah	1		
1	920600100369		Li Battery 51.2V554Ah	1		
1	920600100665		Li Battery 51.2V554Ah	1		
1	920600100666		Li Battery 51.2V554Ah	1		
1	920600100663		Li Battery 51.2V412Ah	1		
1	920600100664		Li Battery 51.2V412Ah	1		
1	213337040002		Battery 48V945Ah	1		
1	920600100661		Li Battery 51.2V525Ah	1		
1	213337030000		Battery 48V700Ah	1		
1	213337030001		Battery 48V750Ah	1		
1	920600100719		Li Battery 51.2V412Ah	1		
1	920600100720		Li Battery 51.2V554Ah	1		
1	920600100721		Li Battery 51.2V412Ah	1		
1	920600100722		Li Battery 51.2V554Ah	1		
1	213337040003		Battery 48V945Ah	1		
1	213337030002		Battery 48V750Ah	1		
1	213337030003		Battery 48V750Ah	1		
1	920600101020		Li Battery 51.2V412Ah	1		
2	911000300002		Handle	2		
3	910300100007		Nut	2		
4	213012520303		Stop Block	1		
5	213312510000		Battery Rack	1		With 700Ah Battery
5	213312530001		Battery Rack	1		With 945Ah Battery

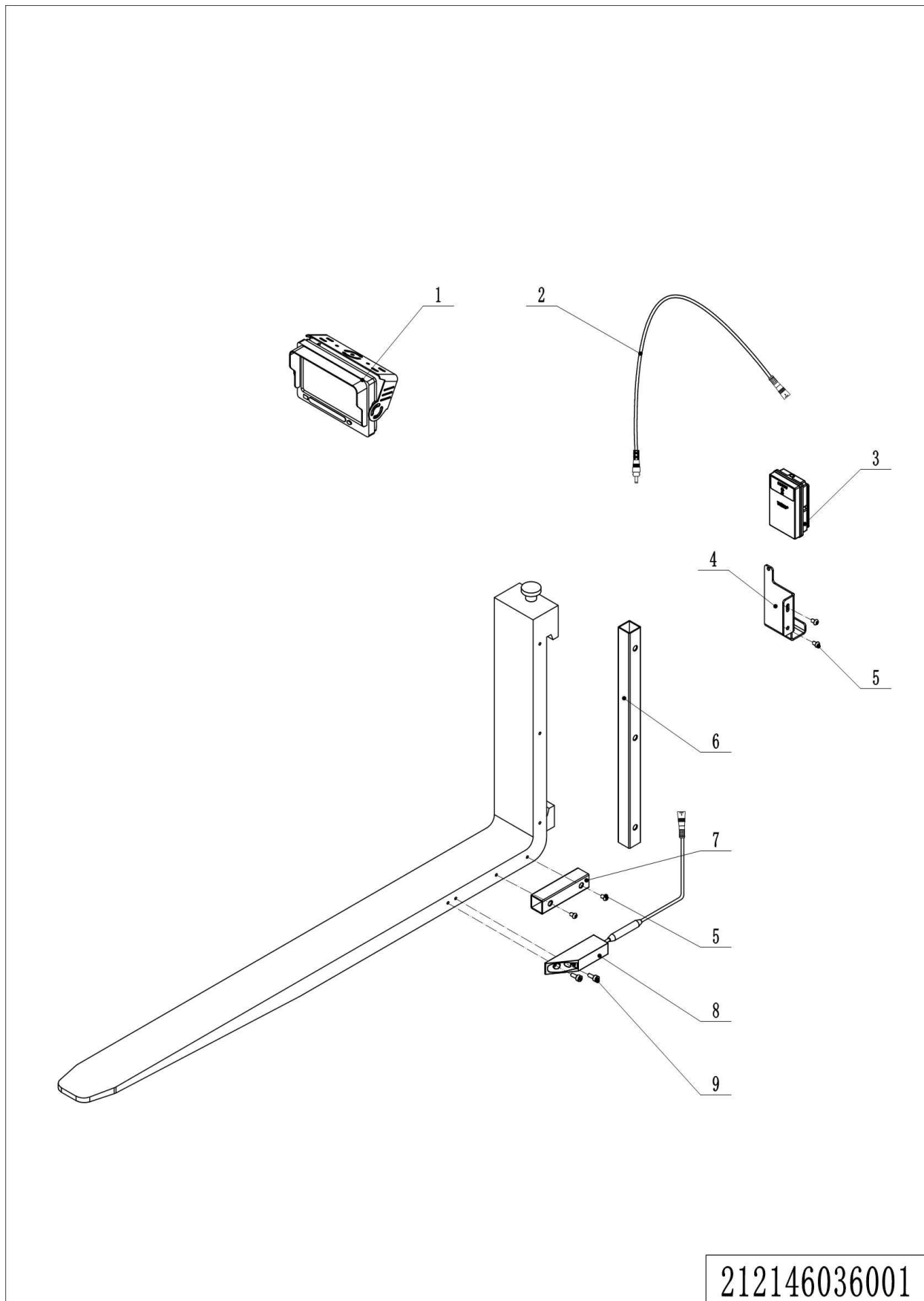
02 Battery Holder (Side-pull) (213346012502) Continuation 1



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

02 Battery Holder (Side-pull) (213346012502) Continuation 1

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
6	213012520304		Stop Block	1		
7	910100300055		Bolt	1		
8	255021020068		Cushion rubber	2		
9	910200400014		Bolt	2		
10	213012520009		Washer	2		
11	213012520008		Bracket	1		
12	940500100012		Bushing	1		
13	213312510011		Pothook	1		With 700Ah Battery
13	213312530002		Pothook	1		With 945Ah Battery
14	910300500006		Nut	1		
15	910100300023		Bolt	16		
16	213012520005		Plate	1		
17	910300500004		Nut	2		
18	213012520006		Spring	1		
19	255044020131		Base plate	4		
20	910400500006		Spring Washer 8	14		
21	910401300011		Circlip	14		
22	232021520104		Washer	14		
23	910700800001		Bearing	14		
24	212112520012		Rollers	7		
25	232021520103		Drum	7		
26	920400100013		Battery Plug	1		Lead-acid
26	920400100059		Battery Plug	1		Lithium

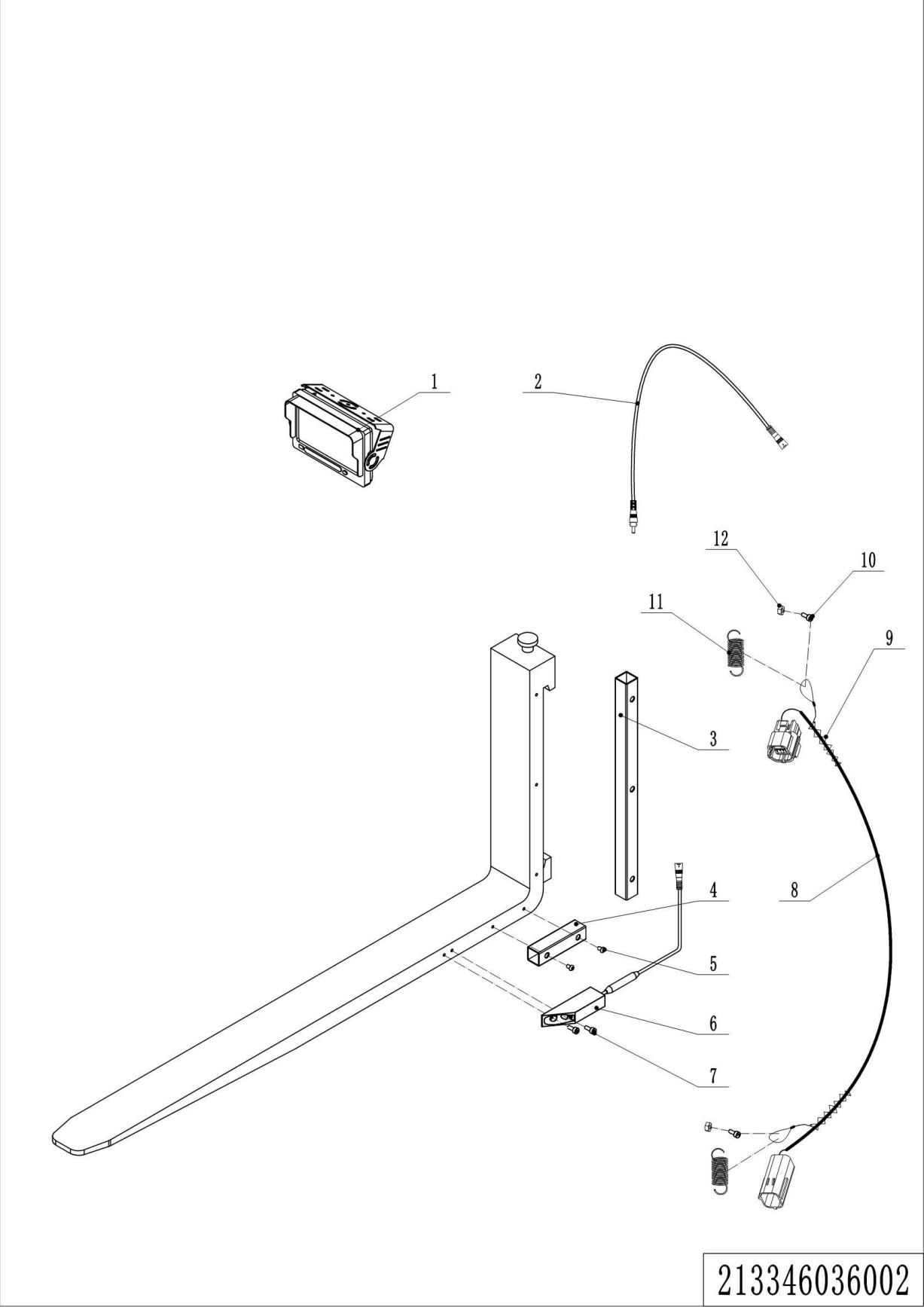
03 Monitor (212146036001)

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

03 Monitor (212146036001)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	921100100058		Display	1		
2	921500100110		Wire	1		
3	920600100384		Li Battery3.7V30000mAh	1		
4	212136020010		Mounting Bracket	1		
5	910200300017	1	Screw	7		
6	212136020002		Conduit	1		
7	212136020001		Conduit	1		
8	921100100059		Camera	1		
9	910200200033	1	Screw	2		

04 Monitor (Wired power) (213346036002)

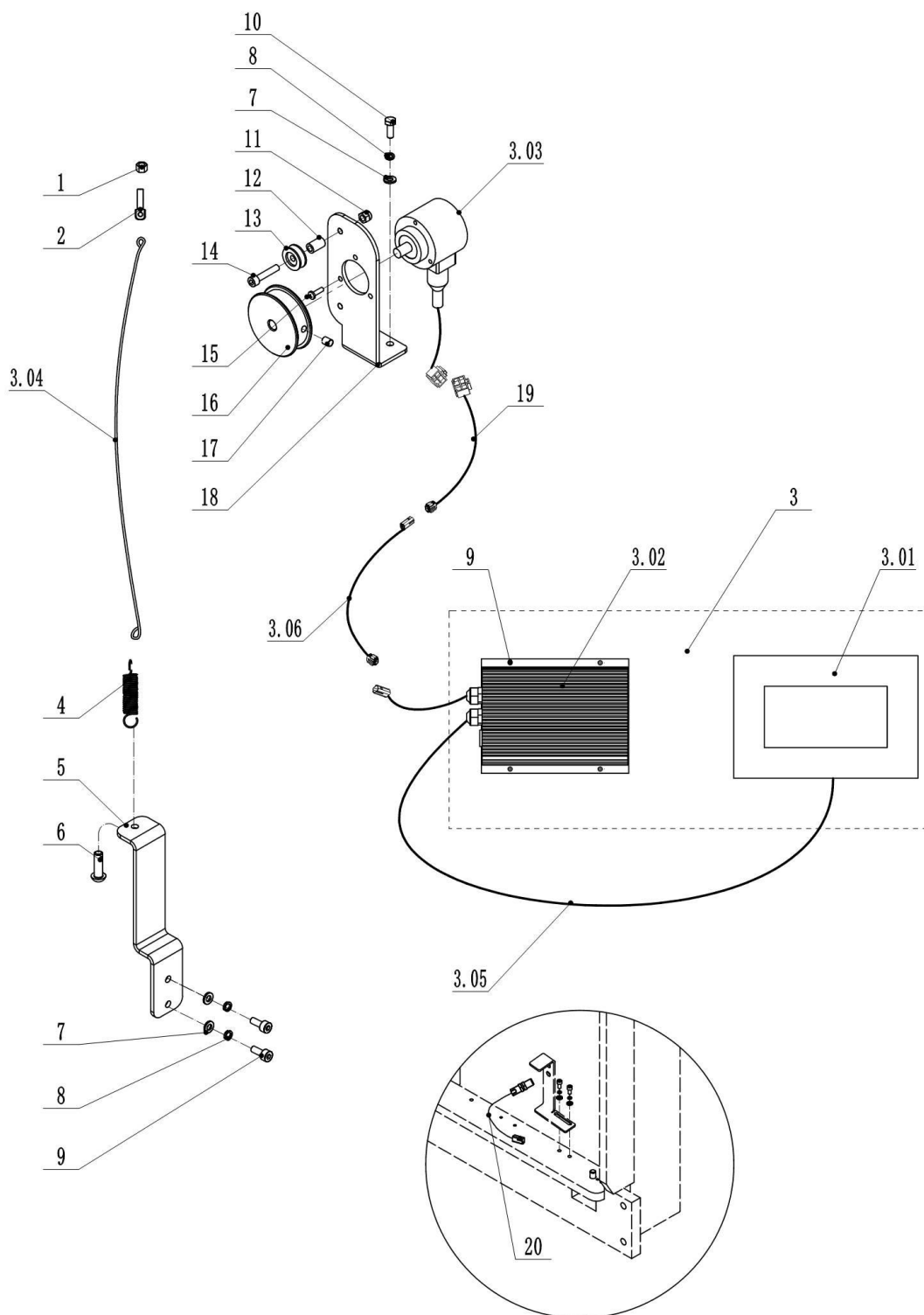


1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

04 Monitor (Wired power) (213346036002)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	921100100058		Display	1		
2	921500100202		Wire	1		
3	212136020002		Conduit	1		
4	212136020001		Conduit	1		
5	910200300017		Screw	7		
6	921100100117		Camera	1		
7	910200200033		Screw	2		
8	213333010080		Wire Harness	1		10000
8	213333010081		Wire Harness	1		10500
8	213333010082		Wire Harness	1		11000
8	213333010083		Wire Harness	1		11500
8	213333010084		Wire Harness	1		12000
8	213333010085		Wire Harness	1		12500
9	921300200020		Expanded Mesh	2		
10	212166520001		Threaded Rod	2		
11	940400600005		Spring	2		
12	910300100005	1	Nut M6	2		

05 Height Preselection System (213346066501)

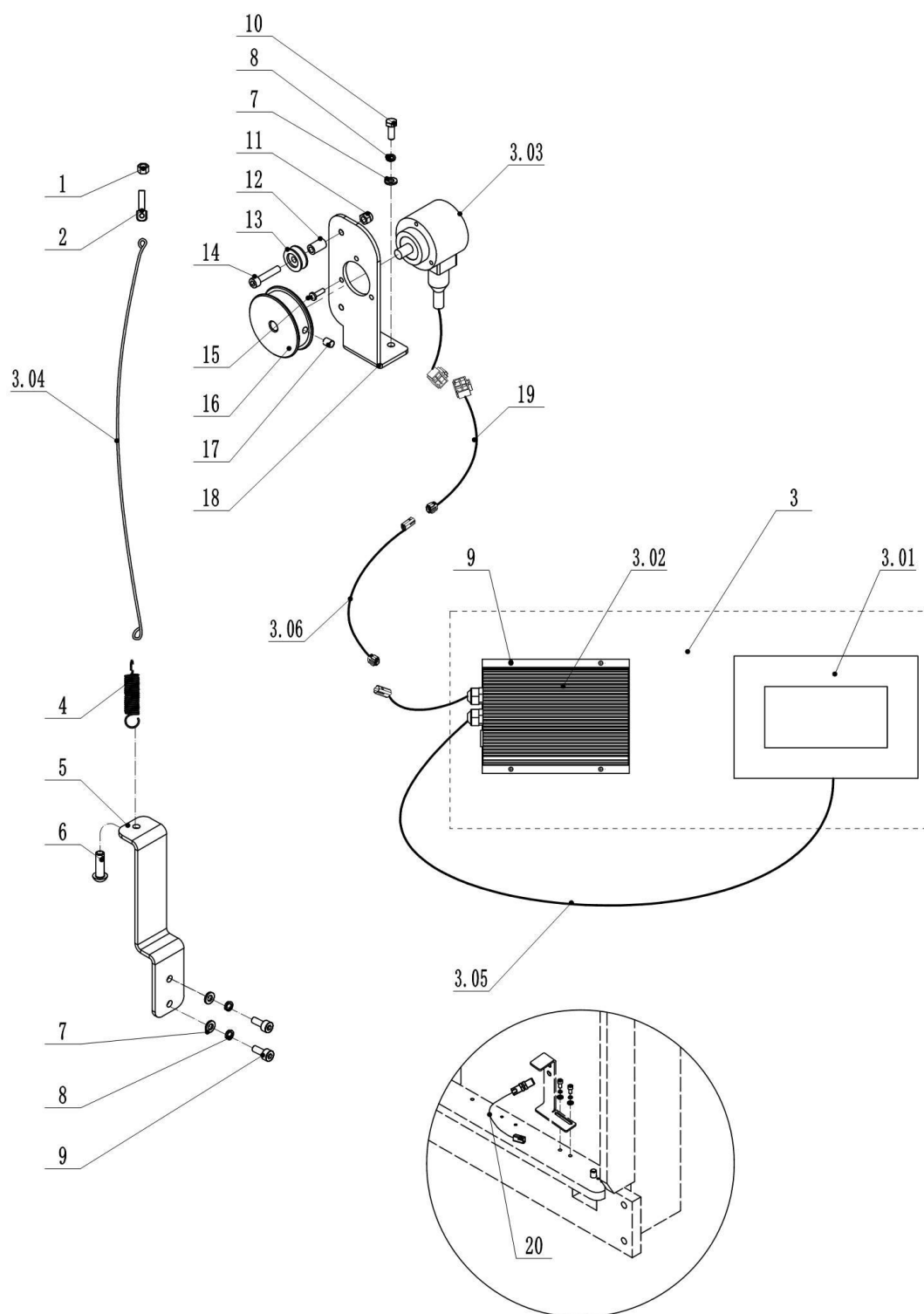


213346066501

05 Height Preselection System (213346066501)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	910300100005	1	Nut	1		
2	212166520001		Screw	1		
3	922200100021		Height Preselection System	1		
3.01	212198520000		Display	1		
3.02	212198520005		Controller	1		
3.03	921800200035		Encoder	1		
3.04	212198520003		Wire Rope	1		
3.05	212198520004		Wire Harness	1		
3.06	212198520001		Wire Harness	1		
4	213012520006		Spring	1		
5	212166520004		Fixing Plate	1		
6	941100800001		Pin	1		
7	910400100005	1	Flat Washer	10		
8	910400500005	1	Spring Washer	10		
9	910200200033	1	Screw	6		
10	910100300009	1	Bolt	4		
11	910300500003		Nut	2		
12	212166520006		Spacer Bush	2		
13	212166520005		Pulley	2		
14	910200200039		Bolt	2		
15	910200500022	1	Screw	3		
16	212166520002		Pulley	1		
17	910201000005	1	Screw	1		
18	212166520003		Mounting Plate	1		
19	213333010007		Wire Harness	1		10000
19	213333010008		Wire Harness	1		10500

05 Height Preselection System (213346066501) Continuation 1



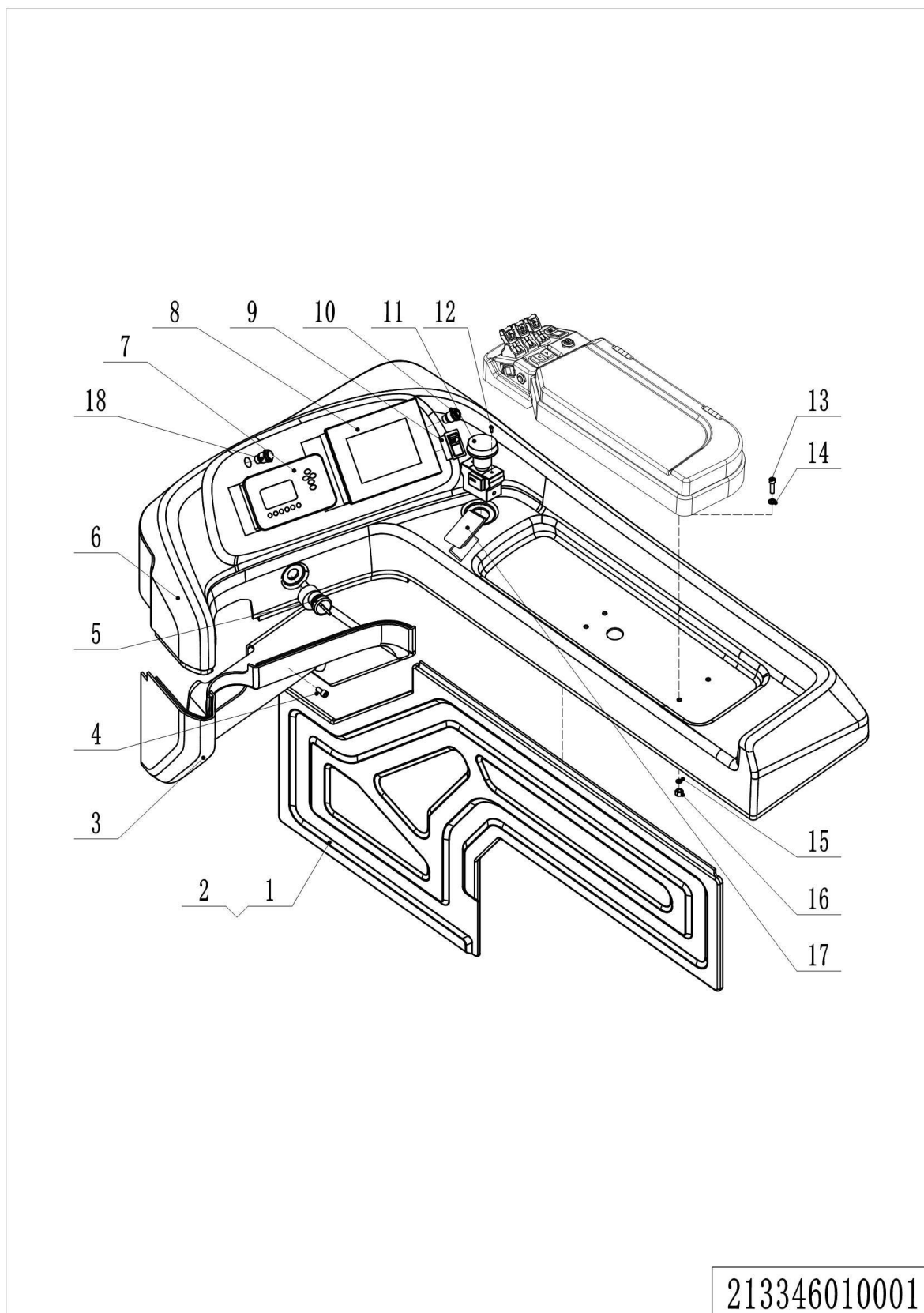
213346066501

05 Height Preselection System (213346066501) Continuation 1

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
19	213333010009		Wire Harness	1		11000
19	213333010010		Wire Harness	1		11500
19	213333010011		Wire Harness	1		12000
19	213333010012		Wire Harness	1		12500
20	212133510008		Proximity Switch	1		

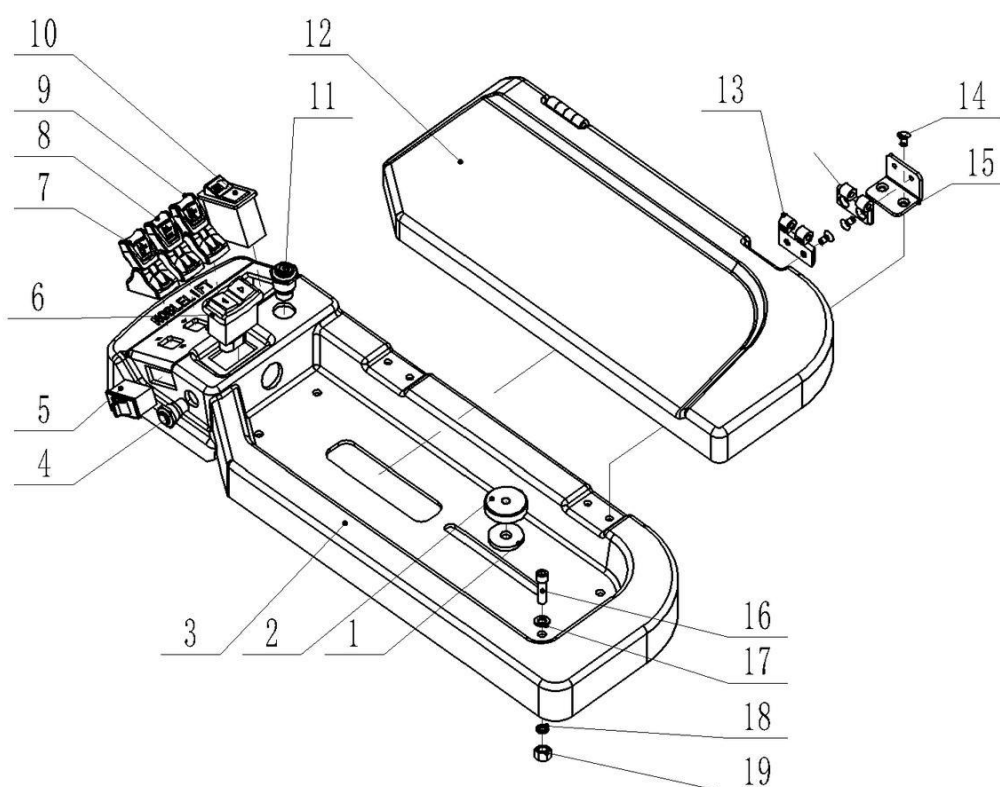
Chapter 8: Others

01 Control Panel (213346010001)



01 Control Panel (213346010001)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	212110020025		Side Plate	1		
2	910200500052	1	Screw	10		
3	212110020001		Close Plate	1		
4	910200300017	1	Screw	1		
5	920200200002		Key Switch	1		Lead Acid
5	212734001000		Key Switch	1		Lithium
6	212110020026		Protective Cover	1		
6	212110020030		Protective Cover	1		Height Preselection System
7	921100100011		Display	1		3501
7	921100100063		Display	1		3401
8	/		/	/		
9	920200800009		Rocker Switch	1		
10	212133510012		Button	1		
11	920200100001		Emergency Button	1		
12	910200300013	1	Screw	2		
13	910200200036	1	Screw	4		
14	910400100005	1	Flat Washer	4		
15	910400500005	1	Spring Washer	4		
16	910300100005	1	Nut	4		
17	920200200015		Password lock	1		
18	921900100022		USB	1		

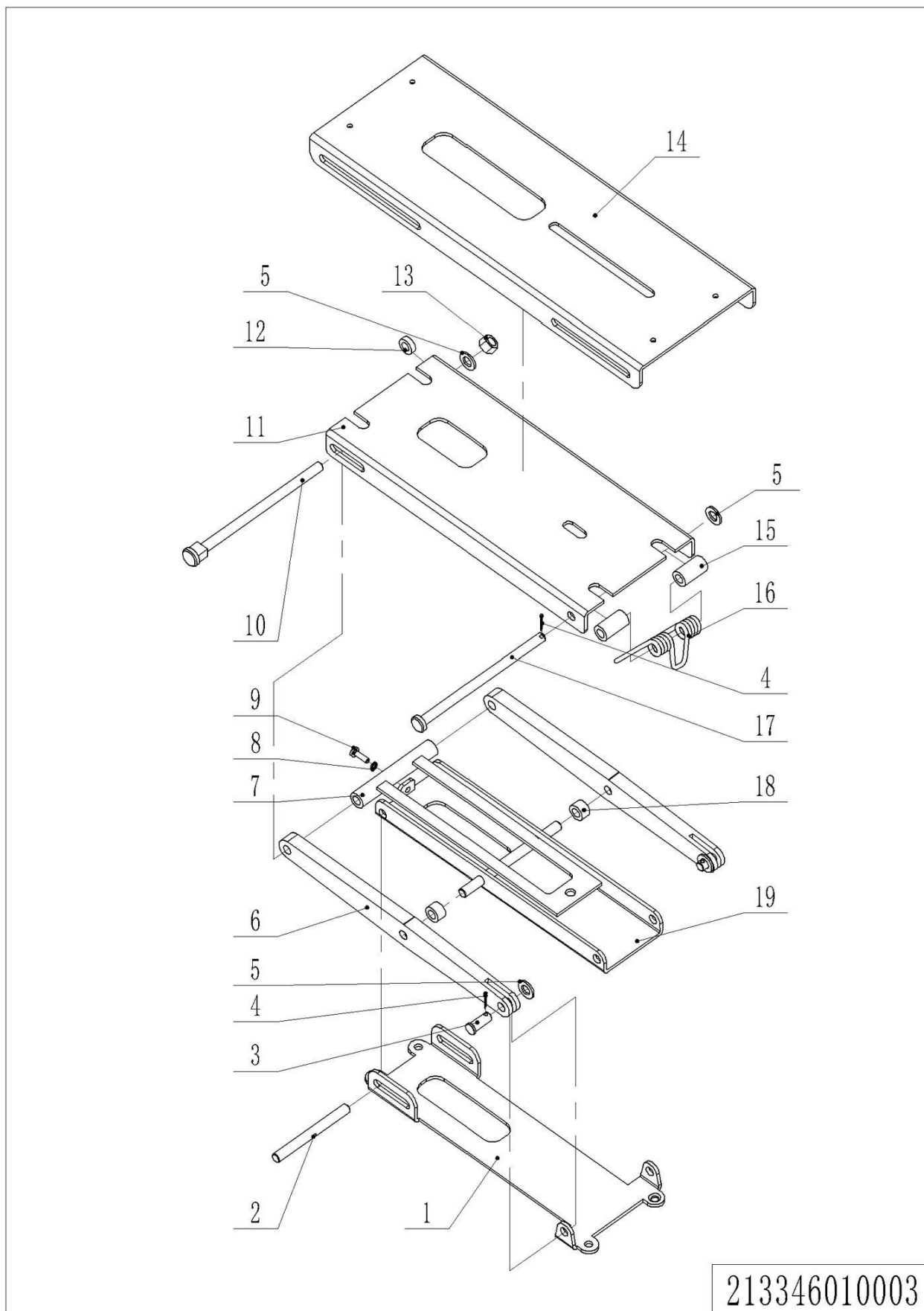
02 Integrated Control Console (213346010002)

213346010002

02 Integrated Control Console (213346010002)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	212110020010		Washer	1		
2	212110020028		Handle	1		
3	212110020003		Protective Cover	1		
3	212110020035		Protective Cover	1		P+G
4	920200700003		Switch	1		
5	212133510017		Switch	1		Shift FW./ BW.
5	213133510005		Switch	1		Shift FW./ BW. (two-way)
6	920200800040		Rocker Switch	1		
7	212133510014		Switch	1		Lift/ Lower(100mm)
7	212133510020		Switch	1		Lift/ Lower(160mm),Disable
7	213133510002		Switch	1		Lift/ Lower(two-way)
8	212133510015		Switch	1		Move FW./ BW. (100mm)
8	212133510021		Switch	1		Move FW./ BW. (160mm) ,Disable
8	213133510003		Switch	1		Move FW./ BW. (two-way)
9	212133510016		Switch	1		Tilt Up/ Down(100mm)
9	212133510022		Switch	1		Tilt Up/ Down(160mm) ,Disable
9	213133510004		Switch	1		Tilt Up/ Down(two-way)
10	920200800049		Rocker Switch	1		
11	212133510013		Button	1		
12	212110010000		Cover	1		
13	940801300003		Hinge	2		
14	910200600016	1	Screw	12		
15	212110020004		Fixing Plate	2		
16	910200200036	1	Screw	4		
17	910400100005	1	Flat Washer	4		
18	910400500005	1	Spring Washer	4		
19	910300100005	1	Nut	4		
20	212133010016		Wire Harness	1		
20	213133010023		Wire Harness	1		EN1175-2020
20	213133010033		Wire Harness	1		Capacitance

03 Adjustable Console Support (213346010003)

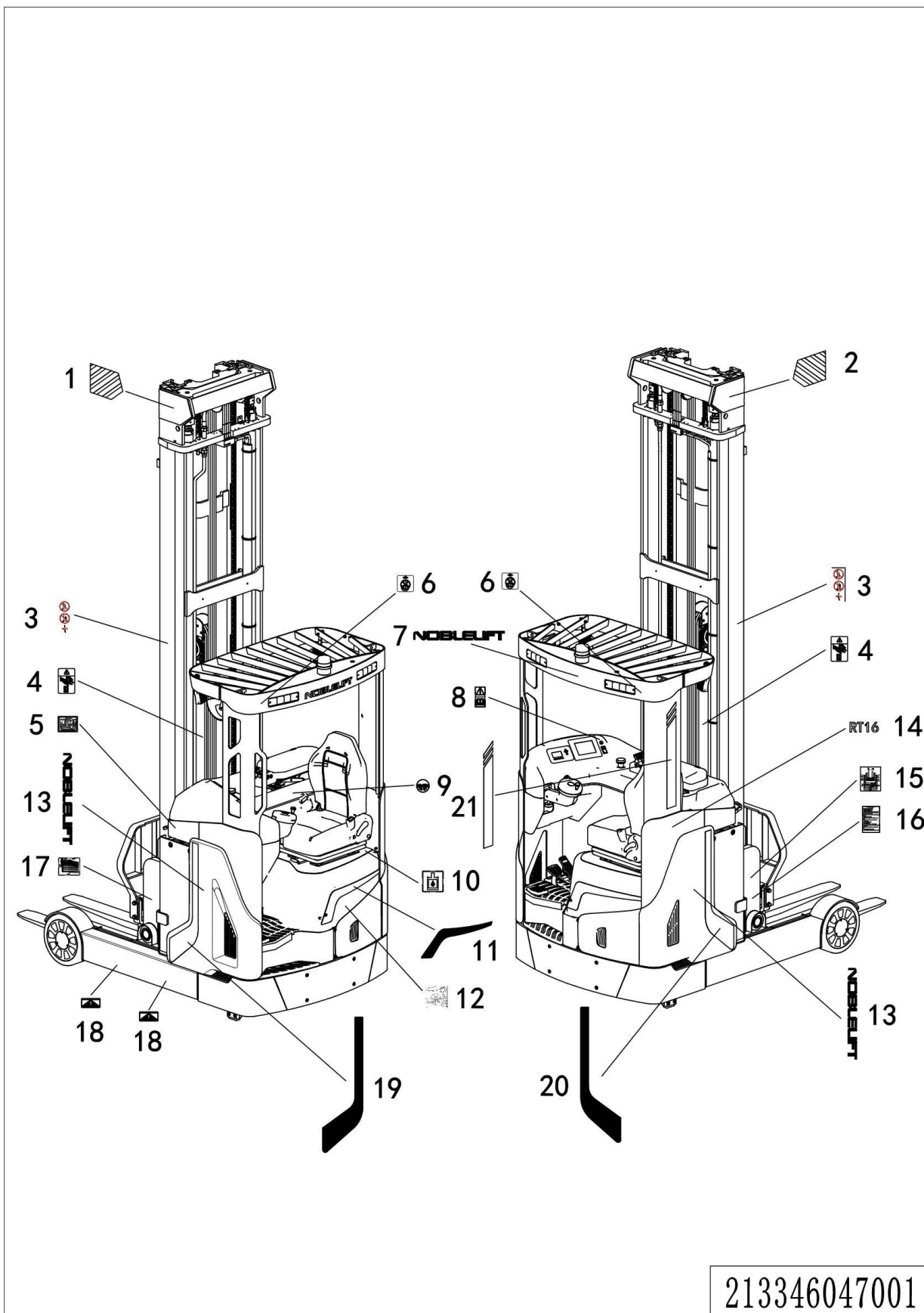


1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

03 Adjustable Console Support (213346010003)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	212110020012		Baseboard	1		
2	212110020008		Axle	1		
3	212110020016		Pin	2		
4	910600600026		Cotter Pin	3		
5	910400100006		Flat Washer	4		
6	212110020011		Fork Plate(outer)	2		
7	212110010001		Bracket	1		
8	910400500003		Spring Washer	1		
9	910200500022		Screw	1		
10	212110020007		Axle	1		
11	212110020006		Sliding Plate	1		
12	212110020009		Spacer Bush	1		
13	910300500004		Nut	1		
14	212110020005		Bracket	1		
15	212110020013		Spacer Bush	2		
16	212110020027		Torsional Spring	1		
17	212110020014		Pin	1		
18	212110020015		Spacer Bush	2		
19	212110010002		Fork Plate(inner)	1		

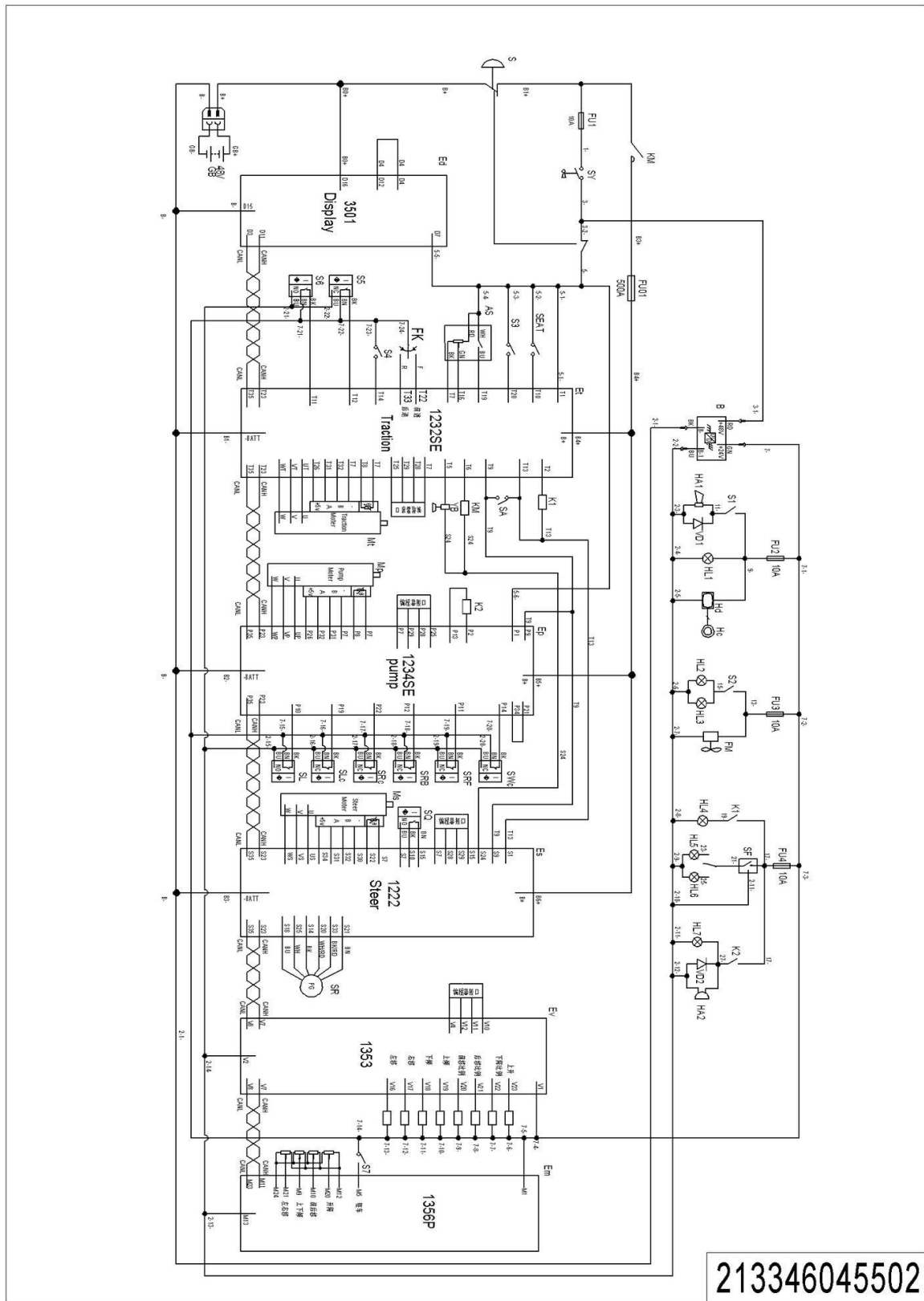
04 Labels and Decals (213346047001)



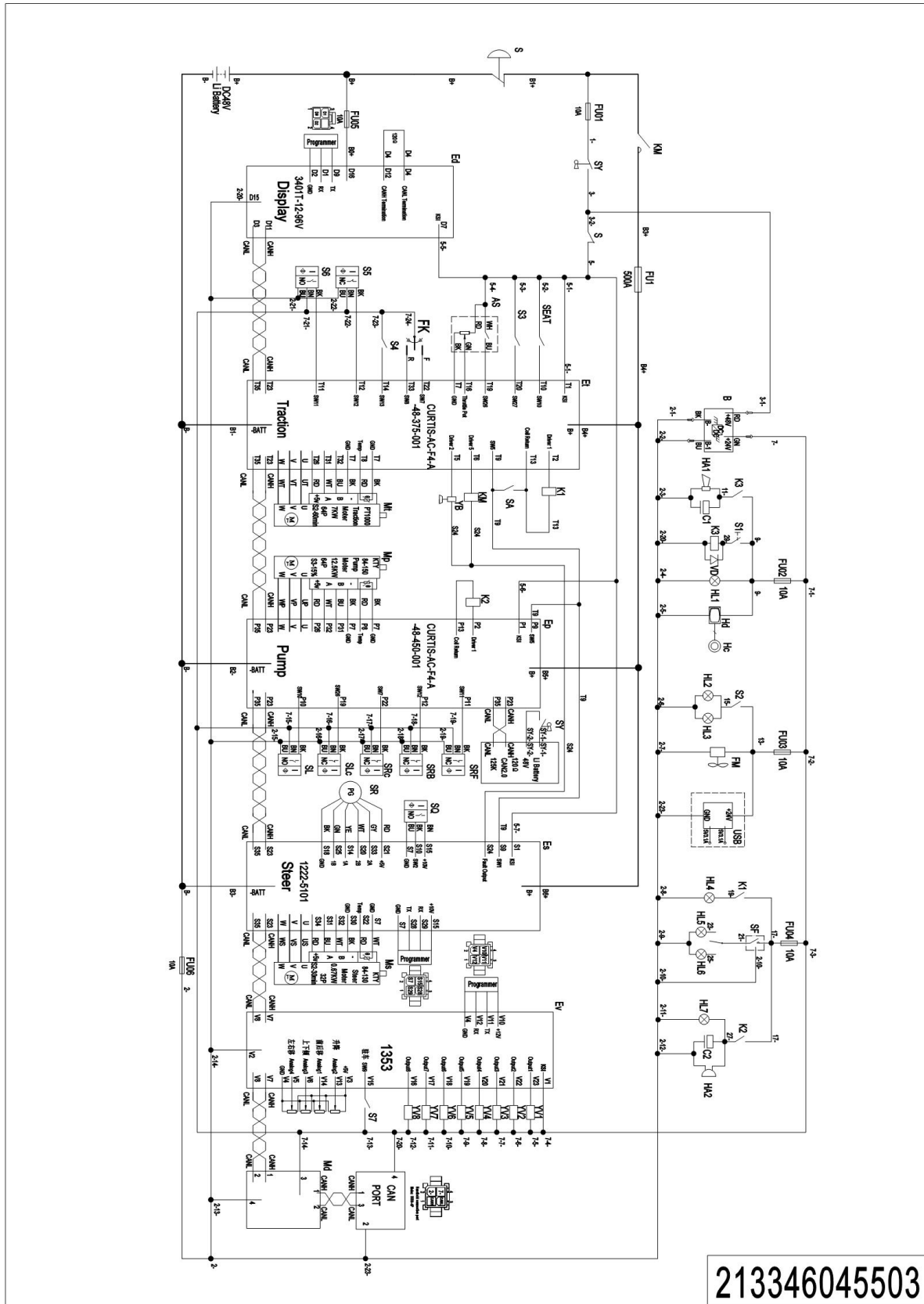
04 Labels and Decals (213346047001)

No.	Item Code	Mark	Item Description	Qty.	Substitute	Note
1	212147020005		Label	1		
2	212147020004		Label	1		
3	941200100004		Label	2		
4	941200100027		Label	2		
5	941200600003		Identification Plate	1		
6	941200100025		Label	2		
7	212147020007		Label	1		
8	941200300011		Label	1		
9	255047020012		Label	1		
10	255047020004		Label	1		
11	212147020009		Label	1		
12	/		Label	1		
13	212147020006		Label	2		
14	213147020002		Model Label	1		
15	212147020010		Label, Lubrication	1		
16	212147020012		Precautions	1		
17	213347020005		Load Capacity Diagram	1		
18	255047020023		Label	2		
19	212147020002		Label	1		
20	212147020001		Label	1		
21	212147020008		Label	1		

01 Electrical Circuit Diagram 1232SE

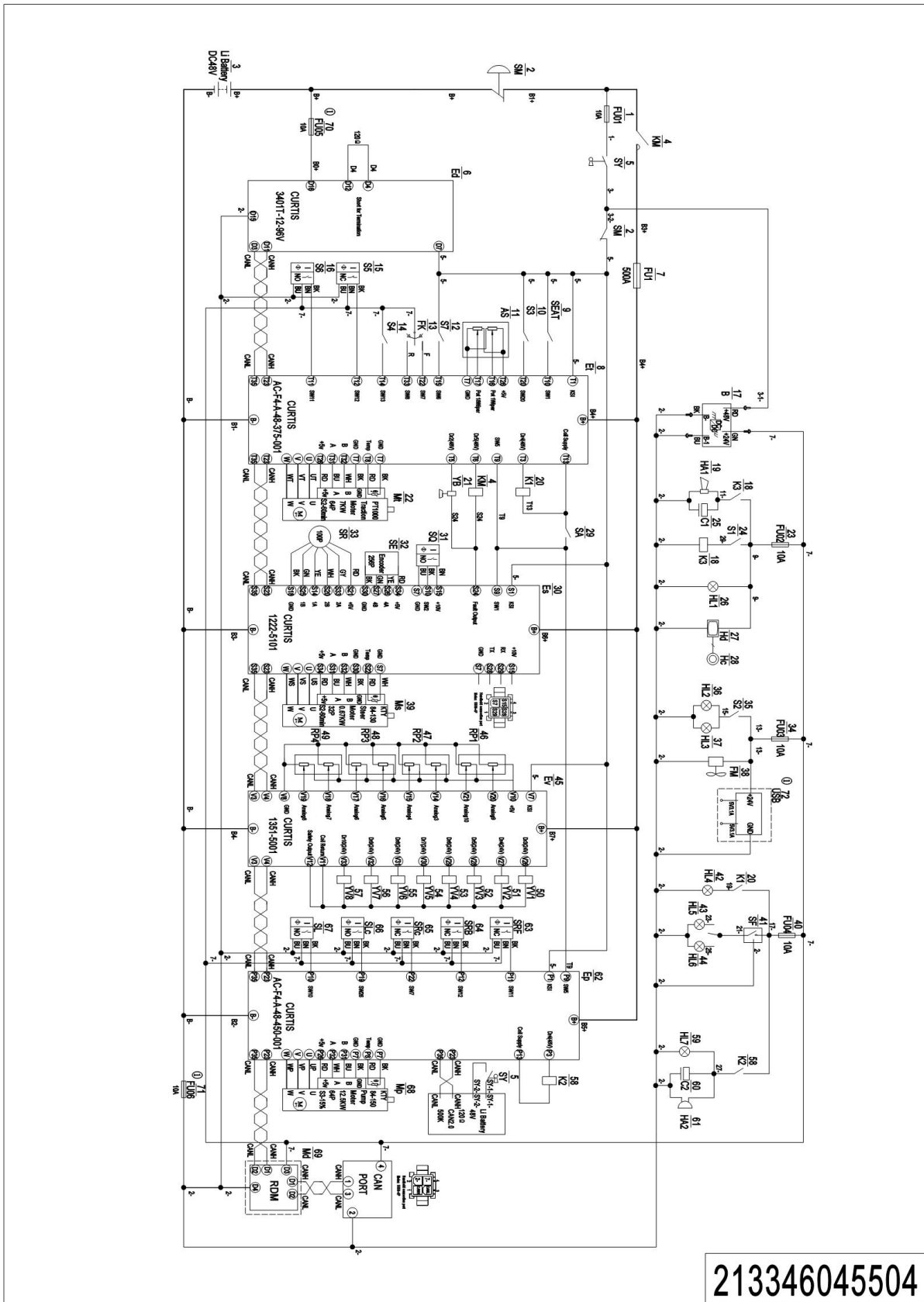


02 Electrical Circuit Diagram F4A

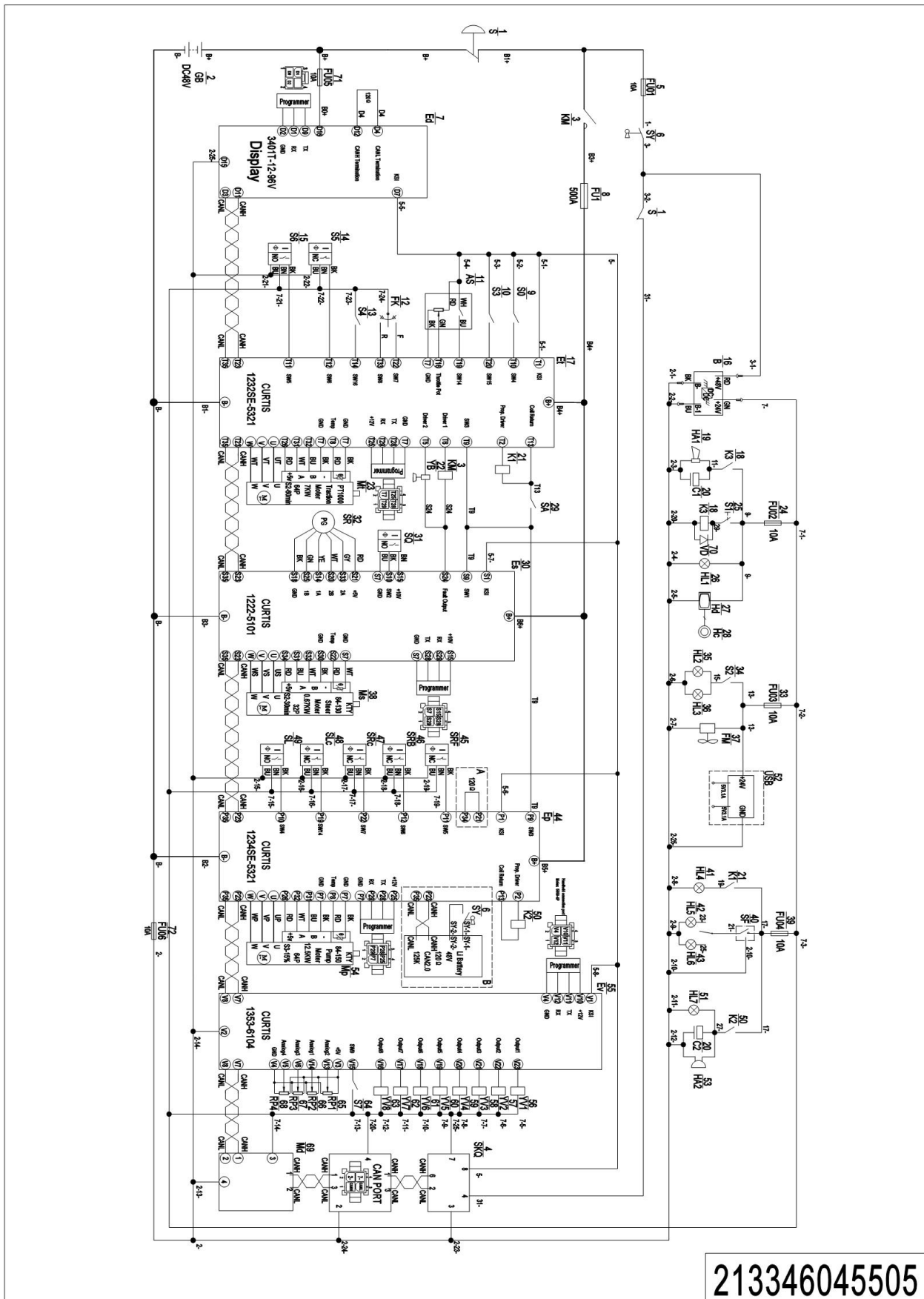


213346045503

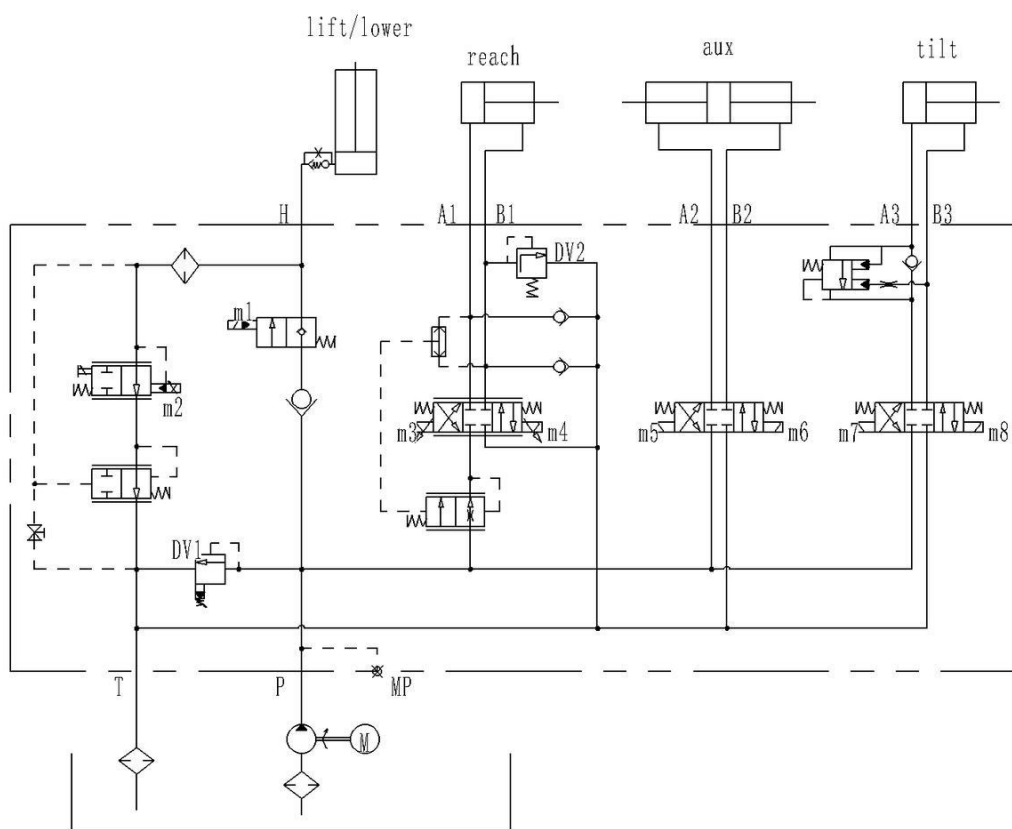
03 Electrical Circuit Diagram F4A(EN1175)



04 Electrical Circuit Diagram F4A(1232SE+1353+3401)



05 Hydraulic Circuit Diagram



213346045502

06 Consumable Parts List

No.	Item Code	Item Description	Qty.	Chapter/ Section/ Number
1	940300400043	Wheel Φ 400x160	1	Chapter 1 /01/20
2	910700200004	Bearing	2	Chapter 1 /02/28
3	212198510004	Seal Kit	1	Chapter 2/03/6.01
4	212198510000	Seal Kit	2	Chapter 2/05/2.01
5	212121520048	Gas Spring	1	Chapter 3/01/19
6	213398520001	Seal Kit	1	Chapter 4/01/17.01
7	940200300052	Compound Roller	4	Chapter 4/01/20 Chapter 4/02/14
8	940200300034	Compound Roller	10	Chapter 4/02/3 Chapter 4/03/16 Chapter 4/05/9
9	212198510003	Seal Kit	1	Chapter 4/03/15.01
10	940200100042	Main Roller	2	Chapter 4/04/13
11	940200300042	Compound Roller	4	Chapter 4/04/15
12	940200100008	Main Roller	4	Chapter 4/04/20
13	940500400013	Bearing	4	Chapter 4/05/11
14	910700200019	Bearing	4	Chapter 4/06/3
15	940500100016	Bushing	1	Chapter 4/06/17
16	910800100124	O-RING	30	Chapter 4/06/19 Chapter 4/06/63
17	940500100079	Bushing	20	Chapter 4/06/32
18	910800100125	O-RING	4	Chapter 4/06/46
19	910700200004	Bearing	1	Chapter 5/01/12
20	940500200016	Bushing	2	Chapter 5/02/3
21	941101000005	Bearing	1	Chapter 5/04/7
22	940300300068	Wheel Φ 330x140	2	Chapter 5/04/8
23	910700800001	Bearing	14	Chapter 7/02/23
24	920100100014	Fuse 500A	1	Chapter 3/02/1
25	920100200002	Fuse 10A	4	Chapter 3/02/6
26	940500100012	Bushing	1	Chapter 7/01/12

27	212133510017	Switch	1	Chapter 8/02/5
28	212133510014	Switch	1	Chapter 8/02/7
29	212133510015	Switch	1	Chapter 8/02/8
30	212133510016	Switch	1	Chapter 8/02/9