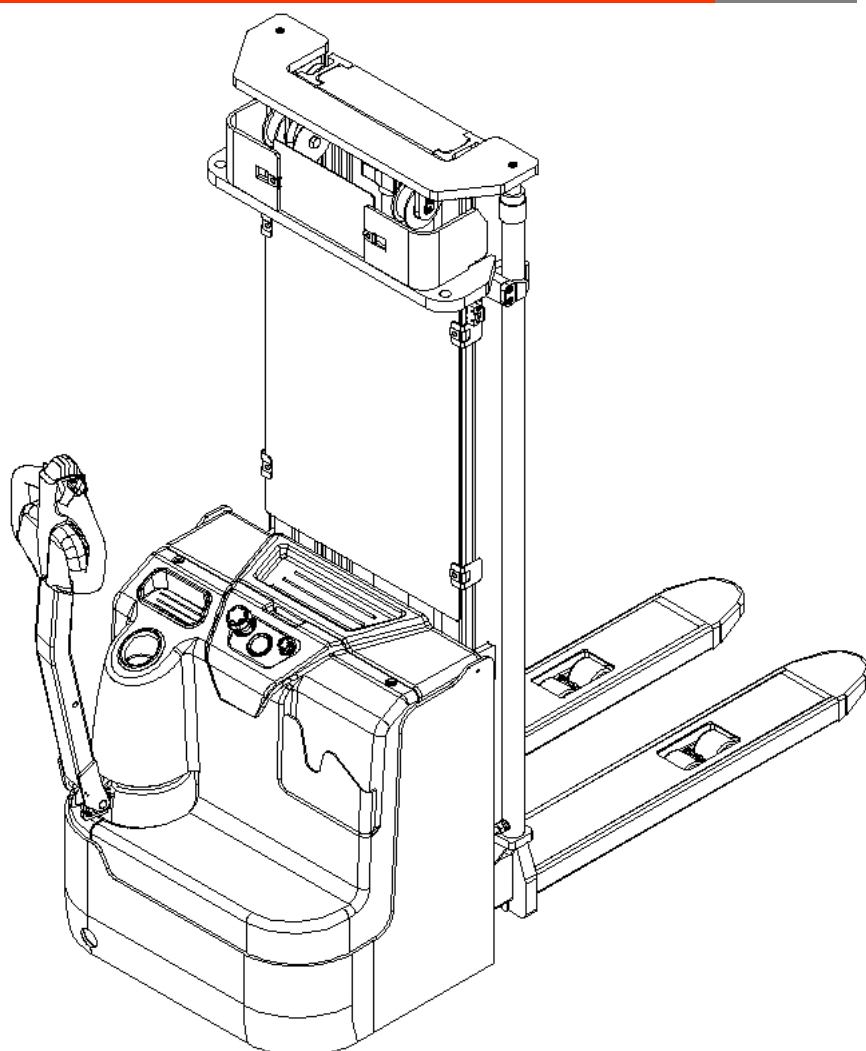


SPAREPARTS LIST

Electric Stacker PS 12L



Version 01/2016

From truck identification number:

PS 12L-BPT-001-EN

Catalogue

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Fig.1 Label (For EU)

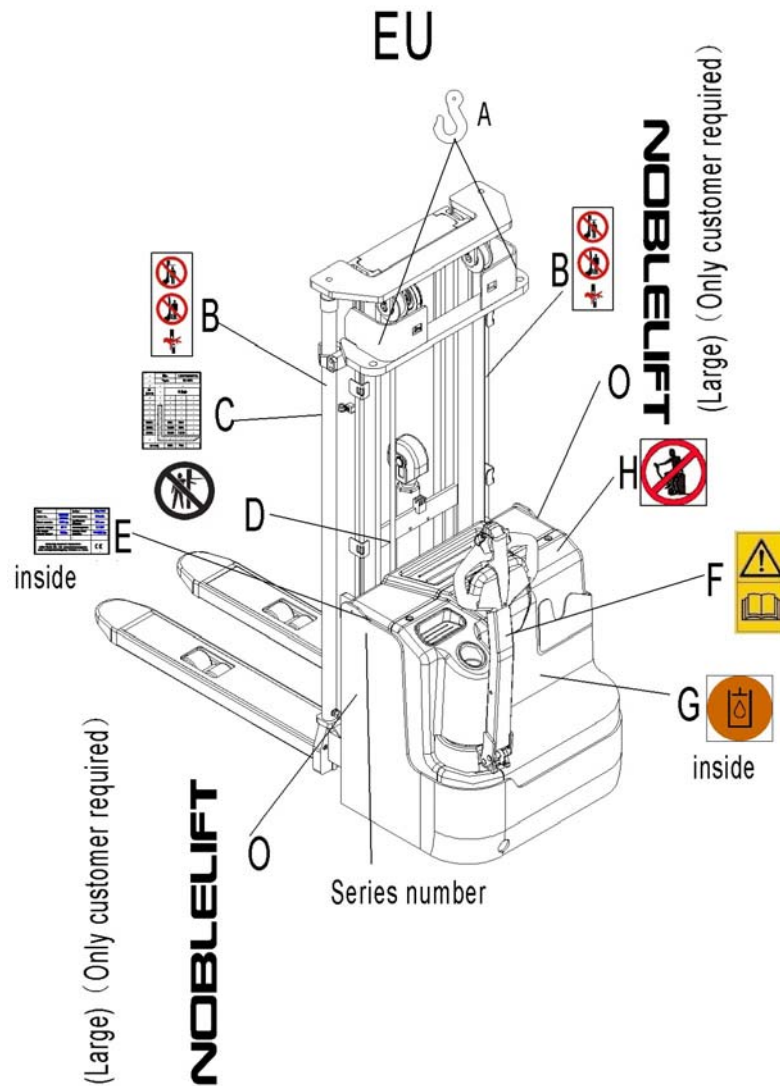


Fig.1 Label (For EU)

No.	Art No.	Description	Qty.	Note
A	9000005967	Crane hook label	2	
B	9000003923	Warning decal: Do not step under or on the forks	2	
C	9000016333	Residual lift capacity sticker	1	
D	9000008561	Never reach through	1	
E	9000016334	CE label	1	
F	9000003570	Sticker to read and follow these instructions	1	
G	9000008555	Filling sticker	1	
H	9000003573	'No passengers' decal	1	
O	9000008556	Emblem mark	2	

Fig.2 Label (For US)

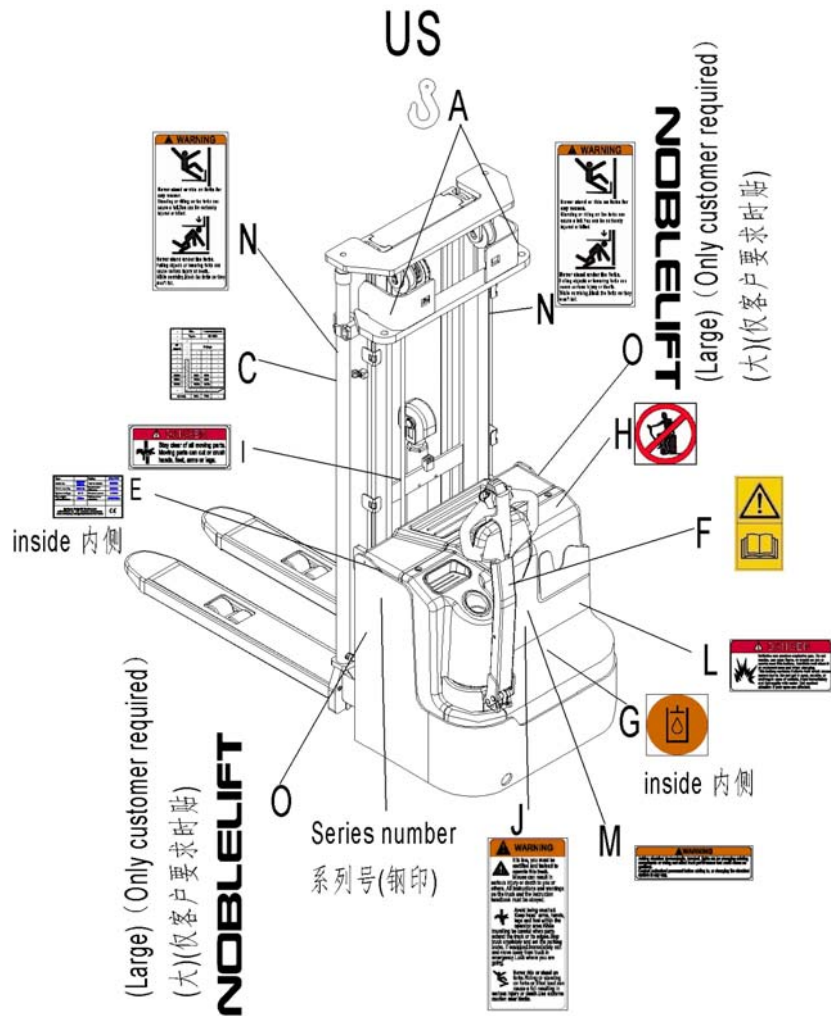


Fig.2 Label (For US)

No.	Art No.	Description	Qty.	Note
A	9000005967	Crane hook label	2	
C	9000016333	Residual lift capacity sticker	1	
E	9000016334	CE label	1	
F	9000003570	Sticker to read and follow these instructions	1	
G	9000008555	Filling sticker	1	
I	9000005970	Warning label	1	
J	9000003575	Warning label	1	
K	9000003580	Warning label	1	
L	9000003577	Warning label	1	
M	9000003579	Warning label	1	
N	9000005971	Warning label	2	

Fig.3 Outline

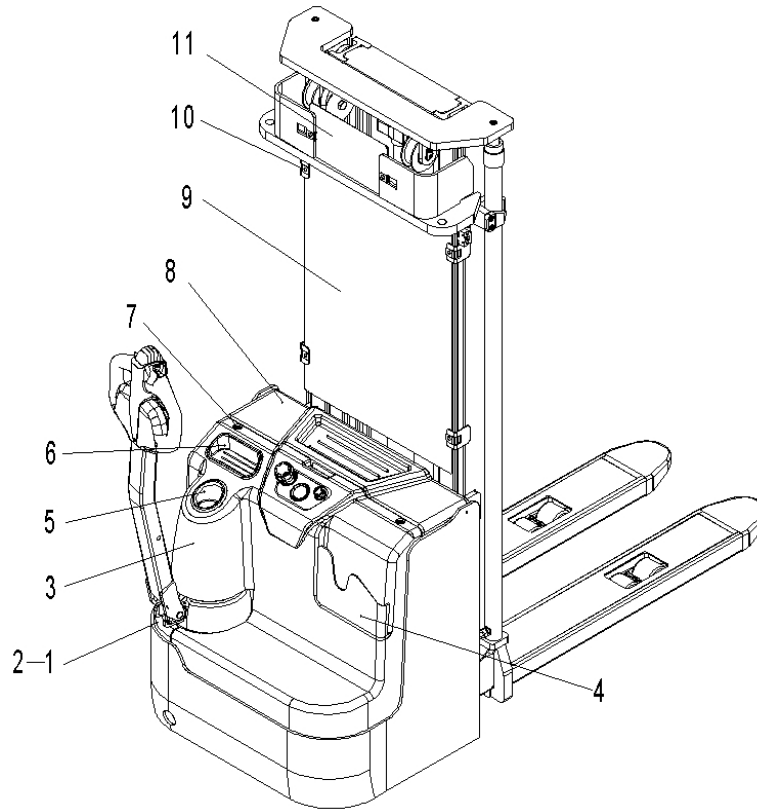


Fig.3 Outline

No.	Art No.	Description	Qty.	Note
1	9000015364	Cover	1	
2	0000023093	Lock screw	2	M6x10
3	9000015363	Electrical box cover	1	
4	9000010660	File box	1	
5	9000015365	Cup base	1	
6	9000015366	Storage box	1	
7	9000007790	Screw	2	M10X55
8	9000015727	Battery cover	1	
9	9000015192	Protective plate	1	(3600)
	9000015195	Protective plate	1	(2900)
	9000015332	Protective plate	1	(4600)
10	9000007782	Spring buckle	6	(thickness 1)
11	9000015331	Upper protective plate	1	

Fig.4 Pallet

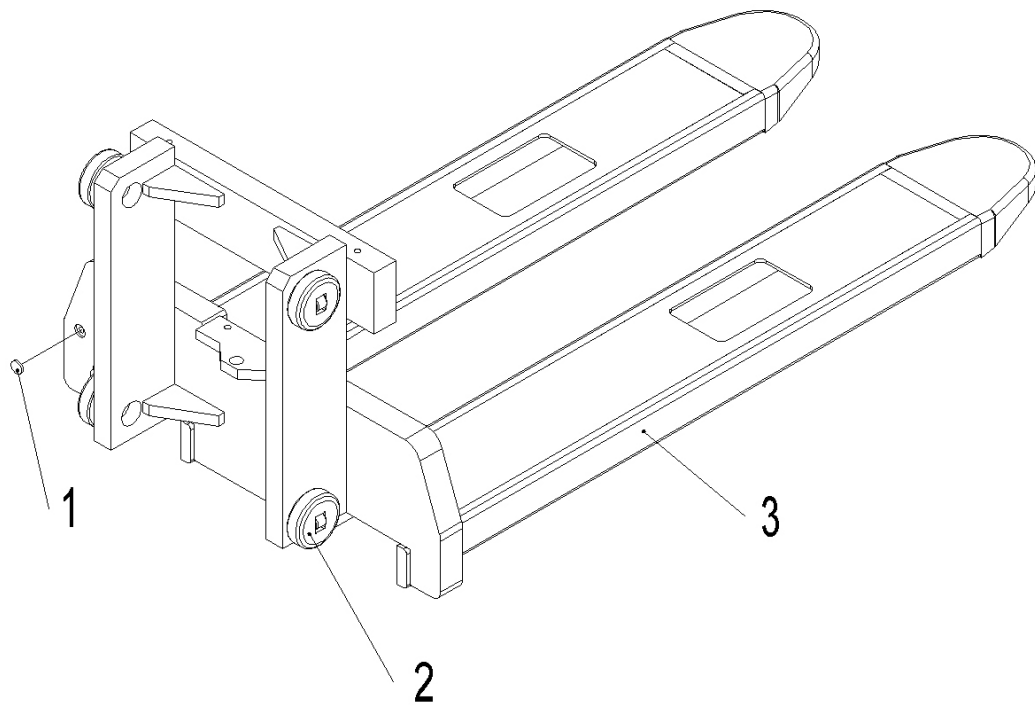


Fig.4 Pallet

No.	Art No.	Description	Qty.	Note
1	2000435002	Magnet steel	1	
2	2210511001	Roller	4	1
3	9000015720	Pallet (570x1150)	1	Two-stage mast (standard)
	9000015734	Pallet (685x1150)	1	Two-stage mast (standard)
	9000015766	Pallet (570x1150)	1	Two-stage mast (full free lift)
	9000015774	Pallet (685x1150)	1	Two-stage mast (full free lift)

Fig.5 Truck assembly

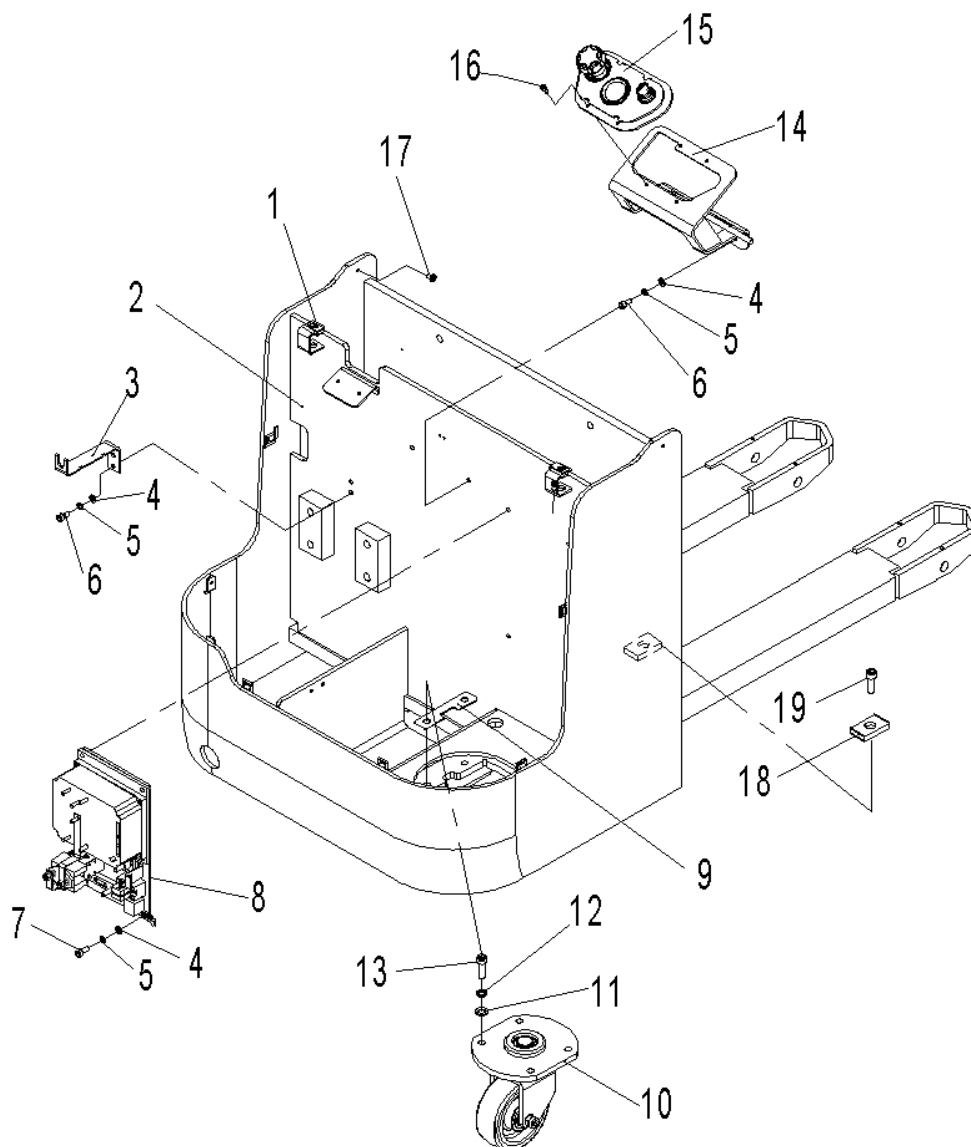


Fig.5 Truck Assembly

No.	Art No.	Description	Qty.	Note
1	9000007783	Nut	2	M10
2	9000015726	Truck body	1	(570X1150)
	9000015744	Truck body	1	(685X1150)
3	9000015356	Cable holder	1	
4	0000025011	Washer	8	8
5	0000025001	Washer	8	8
6	0000023067	Screw	4	M8x16
7	0000023061	Screw	4	M8x25
8	9000015362	Controller fixing plate	1	
9	9000015361	Steering wheel pad	6	
10	9000015432	Steering wheel assembly	1	
11	0000025032	Washer	4	12
12	0000025024	Washer	4	12
13	0000023082	Screw	4	M12x35
14	9000015430	Fixing plate	1	
15	9000015431	Instrument assembly	1	
16	0000023020	Screw	4	M6x20
17	9000015369	Locating sleeve	2	
18	9000015373	Cushion	2	
19	0000023045	Screw	2	M6x12

Fig.6 Power supply

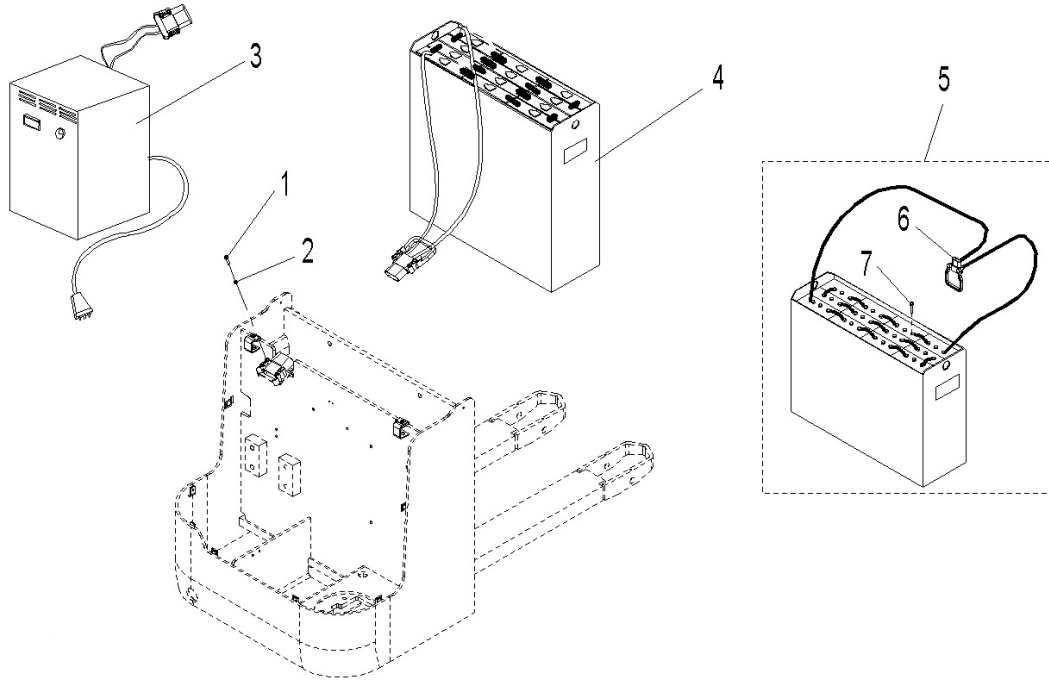


Fig.6 Power Supply

No.	Art No.	Description	Qty.	Note
1	0000023106	Screw	2	M6×30
2	0000023055	Washer	2	6
3	9000010116	Charger (Asian in Chinese)	1	24V/30A
	9000010117	Charger (Asian in English)		24V/30A
	9000010118	Charger (European)		24V/30A
	9000010120	Charger (Australian)		24V/30A
	9000010121	Charger (British)		24V/30A
	9000010146	Charger (American)		24V/30A
4	9000015731	Power assembly-welded	1	(180Ah)
5	9000015745	Power assembly-bolted	1	(180Ah)
6	2000434002	Connector assembly	1	Only for bolt type battery
7	9000009832	Screw M10X22	24	

Fig.7 Instrument assembly

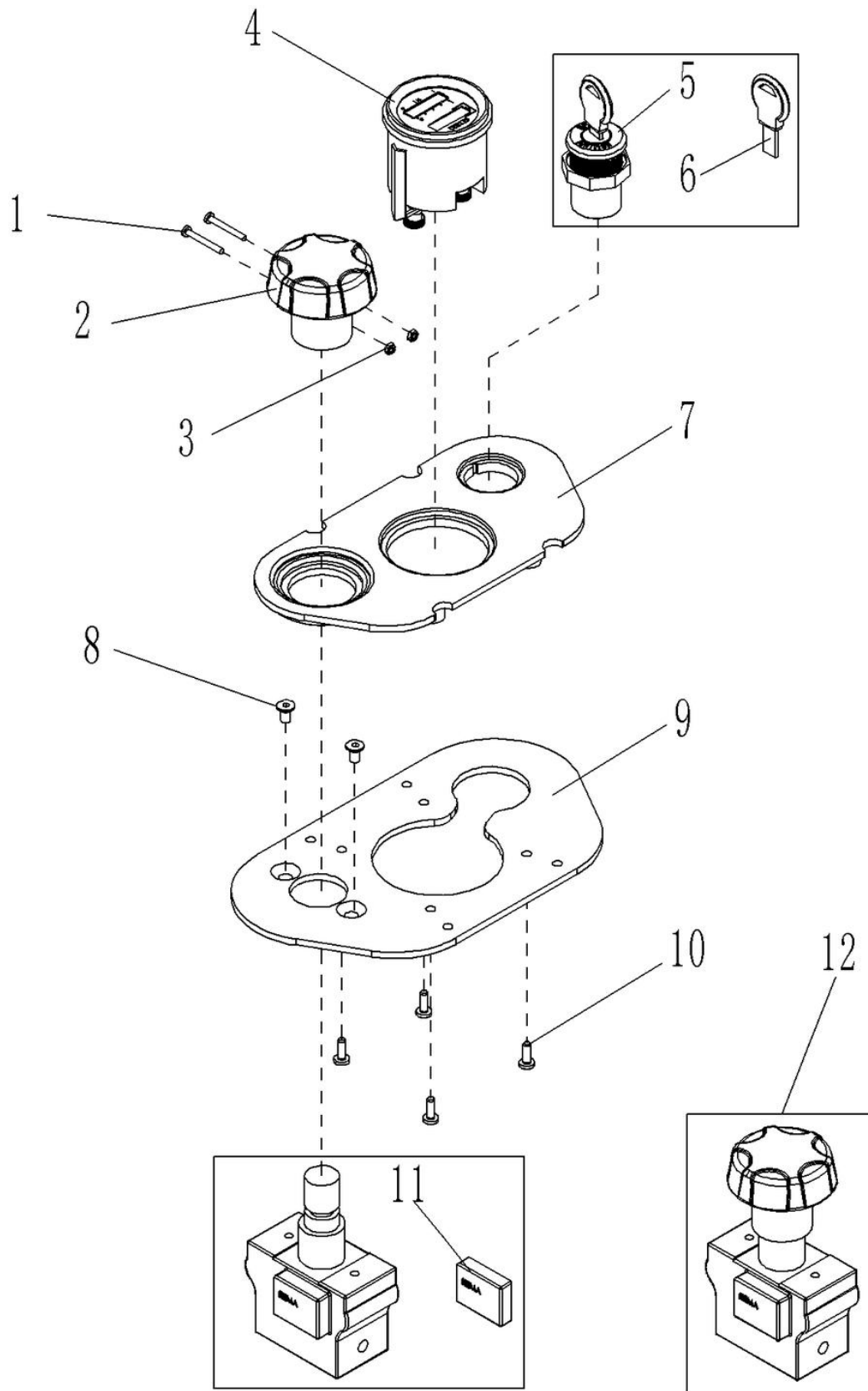


Fig.7 Instrument Assembly

No.	Art No.	Description	Qty.	Note
1	0000023685	Screw	2	M3×25
2	9000008516	DC power switch-mushroom cap	1	ZDK32-350
3	0000024002	Nut	2	M3
4	1000434025	Indicator	1	CURTIS 803
5	9000008326	Key switch	1	LKS-101A
6	9000008519	Key switch-key	1	LKS-101A
7	9000015354	Integrated leaf panel	1	
8	0000023215	Screw	2	M5×10
9	9000015355	Instrument fixing plate	1	
10	0090000272	Lock screw	4	M4×12
11	9000008517	Micro switch	1	ZDK32-350
12	9000008515	DC power switch	1	ZDK32-350

Fig.8 Battery cover assembly

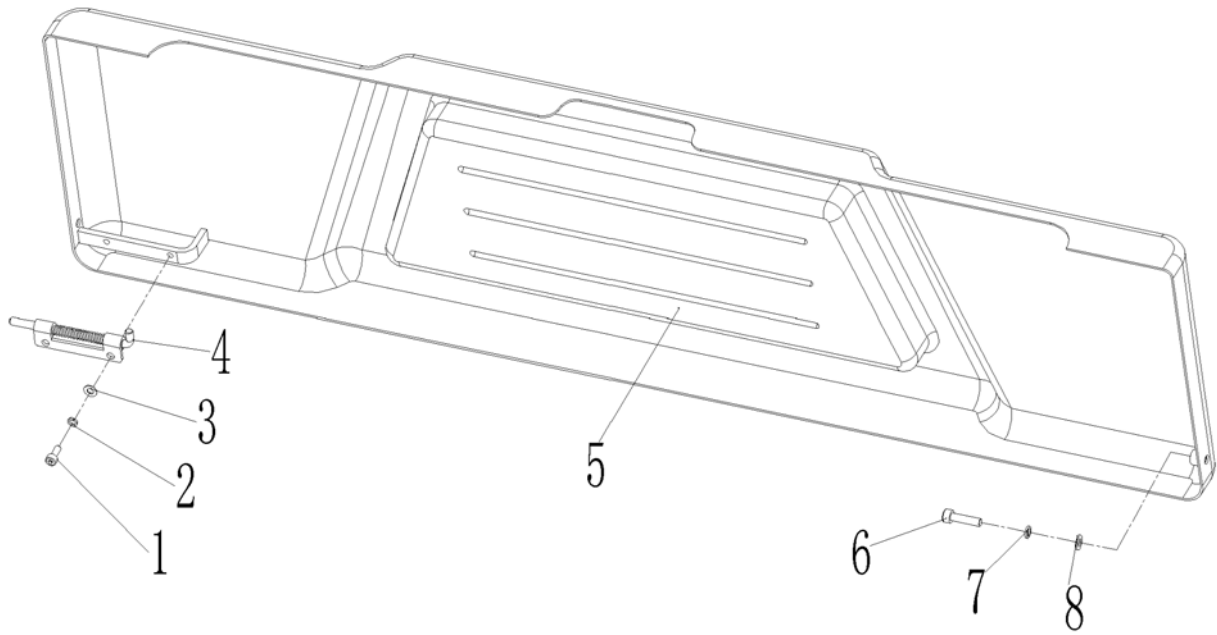


Fig.8 Battery Cover Assembly

No.	Art No.	Description	Qty.	Note
1	0000023073	Screw	2	M4×10
2	0000025018	Washer	2	4
3	0000025019	Washer	2	4
4	9000008795	Latch	1	
5	9000015728	Battery cover	1	
6	0000023306	Screw	1	M5×20
7	0000025015	Washer	1	5
8	0000025014	Washer	1	5

Fig.9 Steering wheel assembly

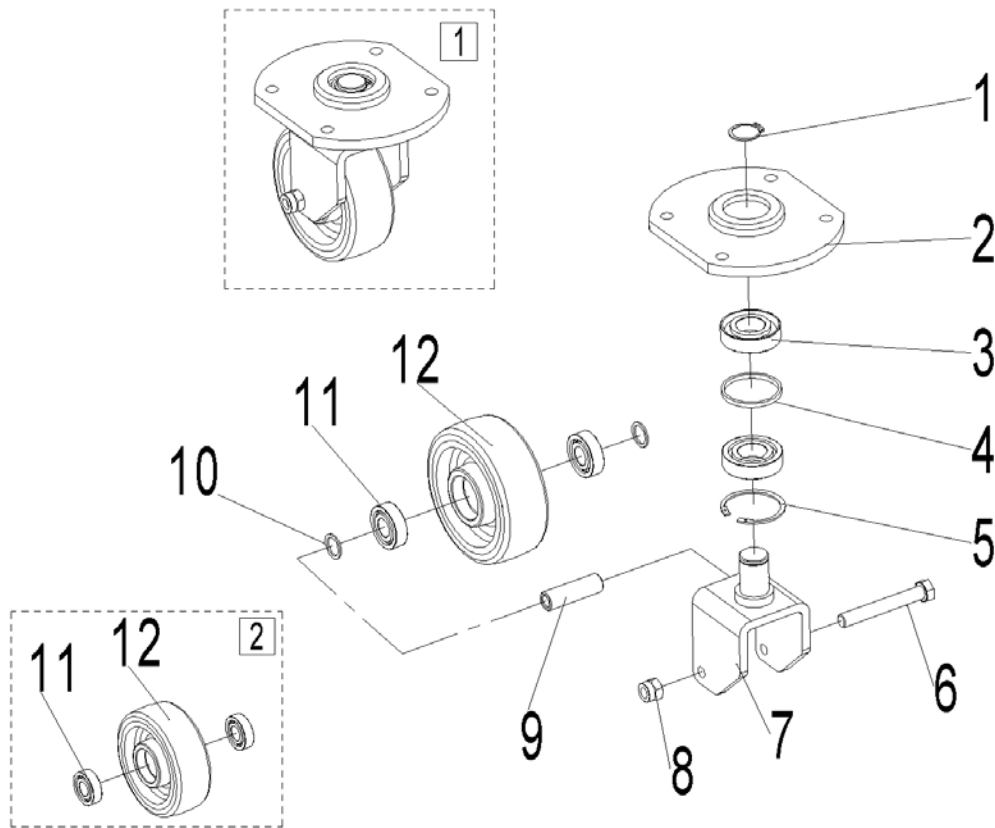


Fig.9 Steering Wheel Assembly

No.	Art No.	Description	Qty.	Note
1	0000026008	Circlip	1	30
2	9000015433	Bearing seat	1	
3	0000027013	Bearing	2	7206C/DB
4	2000413001	Bushing	1	
5	0000026010	Circlip	1	62
6	0000023111	Bolt	1	M14x100
7	9000015434	Rear wheel carrier	1	
8	0000024015	Lock nut	1	M14
9	2000413002	Bushing	1	
10	1000525001	Washer	2	
11	0000027001	Bearing	2	6204
12	2210416001	Rear wheel	1	
1	9000015432	Steering wheel assembly	1	
2	9000008896	Wheels	1	

Fig.10 Two-stage mast system (full free lift)

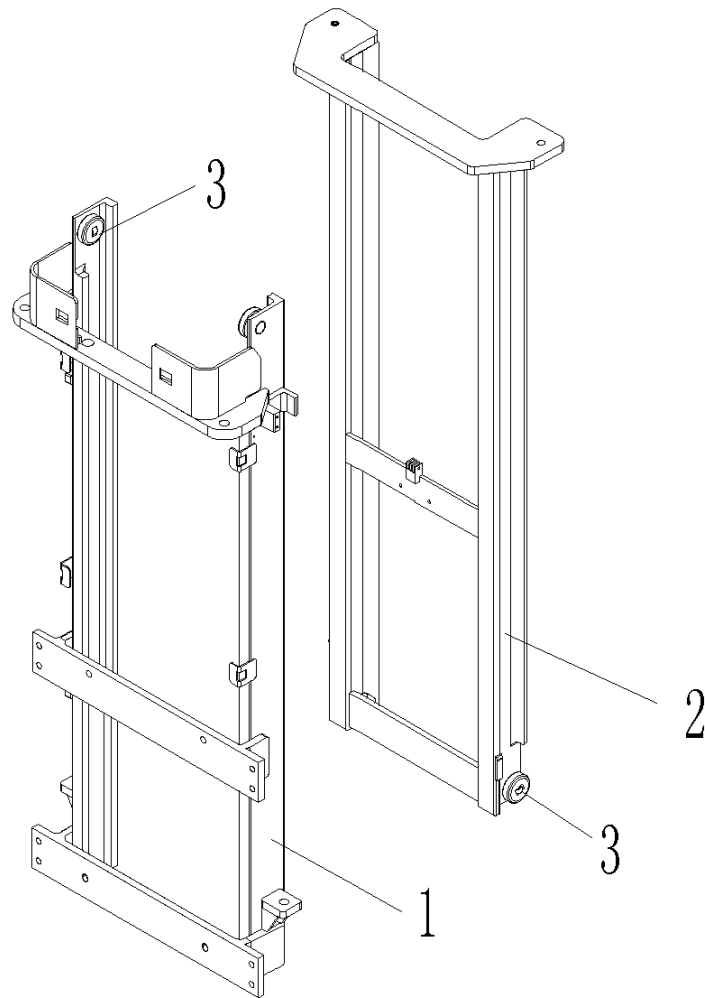


Fig.10 Two-stage Mast System(full free lift)

No.	Art No.	Description	Qty.	Note
1	9000015768	Mast	1	(3600)
	9000015776	Mast	1	(3200)
	9000015782	Mast	1	(2900)
2	9000015769	Mast	1	(3600)
	9000015777	Mast	1	(3200)
	9000015783	Mast	1	(2900)
3	2240611001	Roller	4	1

Fig.11 Two-stage mast system(standard lift)

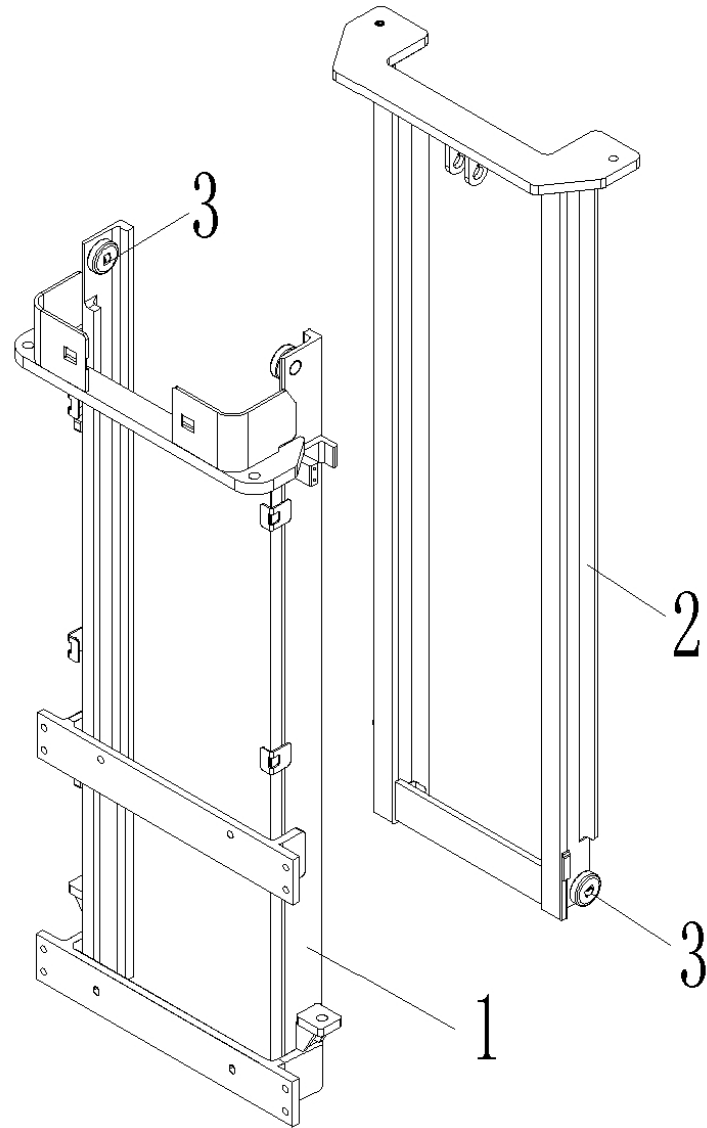


Fig.11 Two-stage Mast System(standard lift)

No.	Art No.	Description	Qty.	Note
1	9000015722	Mast	1	3600
	9000015736	Mast	1	3200
	9000015740	Mast	1	2900
2	9000015723	Mast	1	3600
	9000015737	Mast	1	3200
	9000015741	Mast	1	2900
3	2240611001	Roller	4	1

Fig.12 Two-stage mast chain system(full free lift)

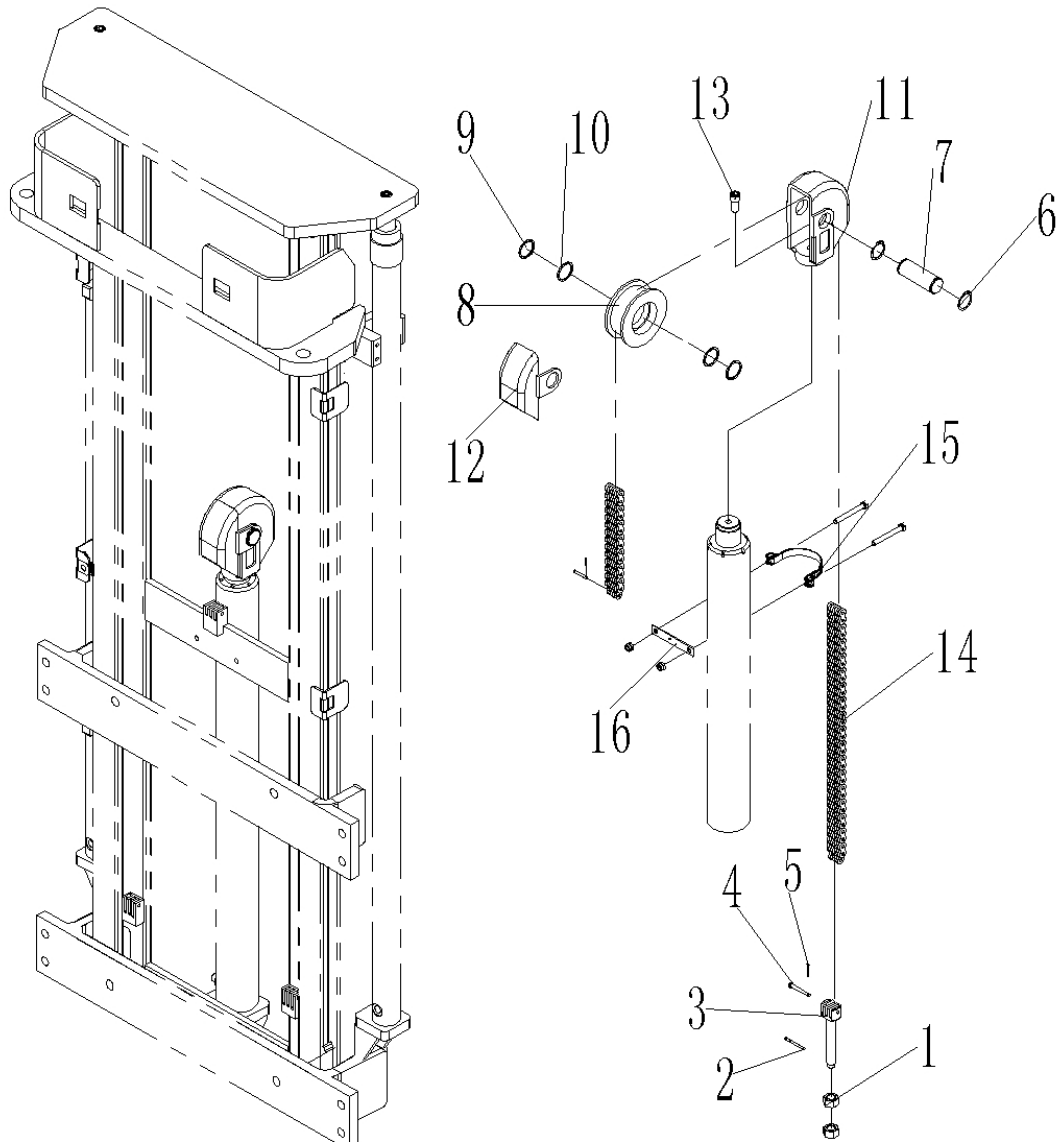


Fig.12 Two-stage Mast Chain System(full free lift)

No.	Art No.	Description	Qty.	Note
1	0090000442	Nut	2	M16x1.5
2	0000028011	Split pin	2	3x40
3	9000008260	Bolt	1	
4	0000028030	Short axle	2	6x45
5	0000028010	Split pin	2	2x20
6	2230307001	Chain wheel axle	1	
7	0000026008	Circlip	2	30
8	9000015636	Chain wheel for mast	1	
9	2000302002	Adjusting washer	2	(thickness 2)
10	9000015670	Adjusting washer	2	(thickness 4)
11	2230305002	Side cover	1	
12	2230305001	Chain wheel seat	1	
13	0000023156	Screw	1	M12x25
14	0000029056	Chain LH1066x81	1	3600
	0090000483	Chain LH1066x75	1	3200
	0090000482	Chain LH1066x71	1	2900
15	9000009831	Hoop assembly	1	center distance 96
16	9000015319	Middle cylinder pad	1	

Fig.13 Two-stage mast chain system(standard lift)

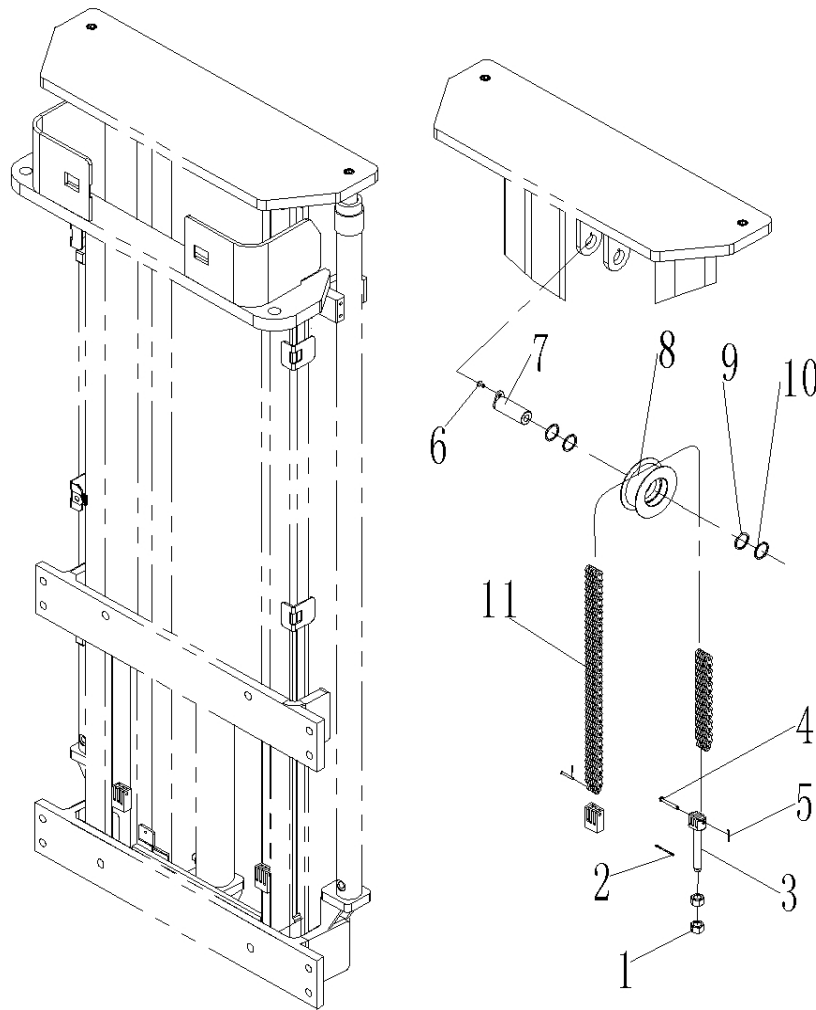


Fig.13 Two-stage Mast Chain System(standard lift)

No.	Art No.	Description	Qty.	Note
1	0090000442	Nut	4	M16x1.5
2	0000028011	Split pin	2	3x40
3	9000008114	Chain pulling rod	2	
4	0000028017	Short axle	2	6x35
5	0000028010	Split pin	2	2x20
6	0000023091	Screw	1	M6x12
7	9000009130	Chain wheel axle	1	
8	9000015636	Chain wheel for mast	1	
9	2000302002	Adjusting washer	2	(thickness 2)
10	9000015670	Adjusting washer	2	(thickness 4)
11	0090000622	Chain LH1046x139	1	3600
	0000029248	Chain LH1046x127	1	3200
	0090000801	Chain LH1046x117	1	2900

Fig.14 Mast and other parts

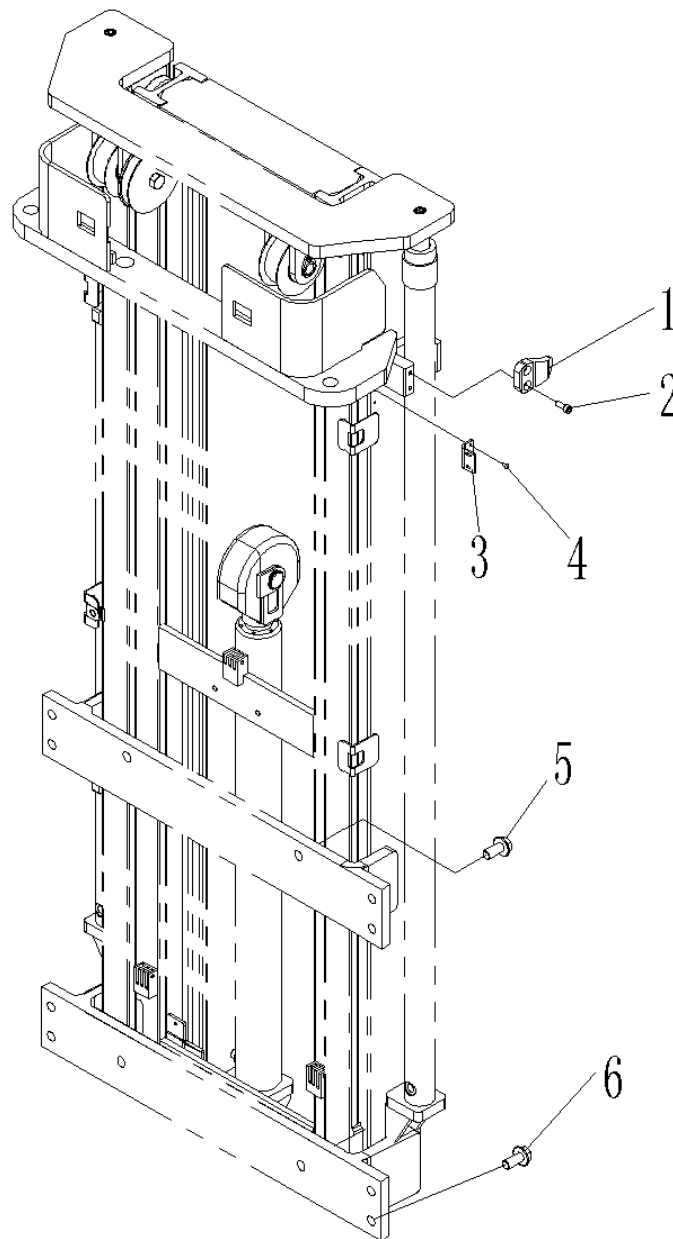


Fig.14 Mast and other Parts

No.	Art No.	Description	Qty.	Note
1	3018005004	Cylinder pressing plate	2	
2	0000023044	Screw	4	M8x20
3	9000015321	Limit switch fixing plate	1	
4	1000123003	Screw	2	M4x8
5	0090000658	Bolt	2	M16x35
6	0090000823	Bolt	10	M16x40

Fig.15 Two-stage mast hydraulic system(full free lift)

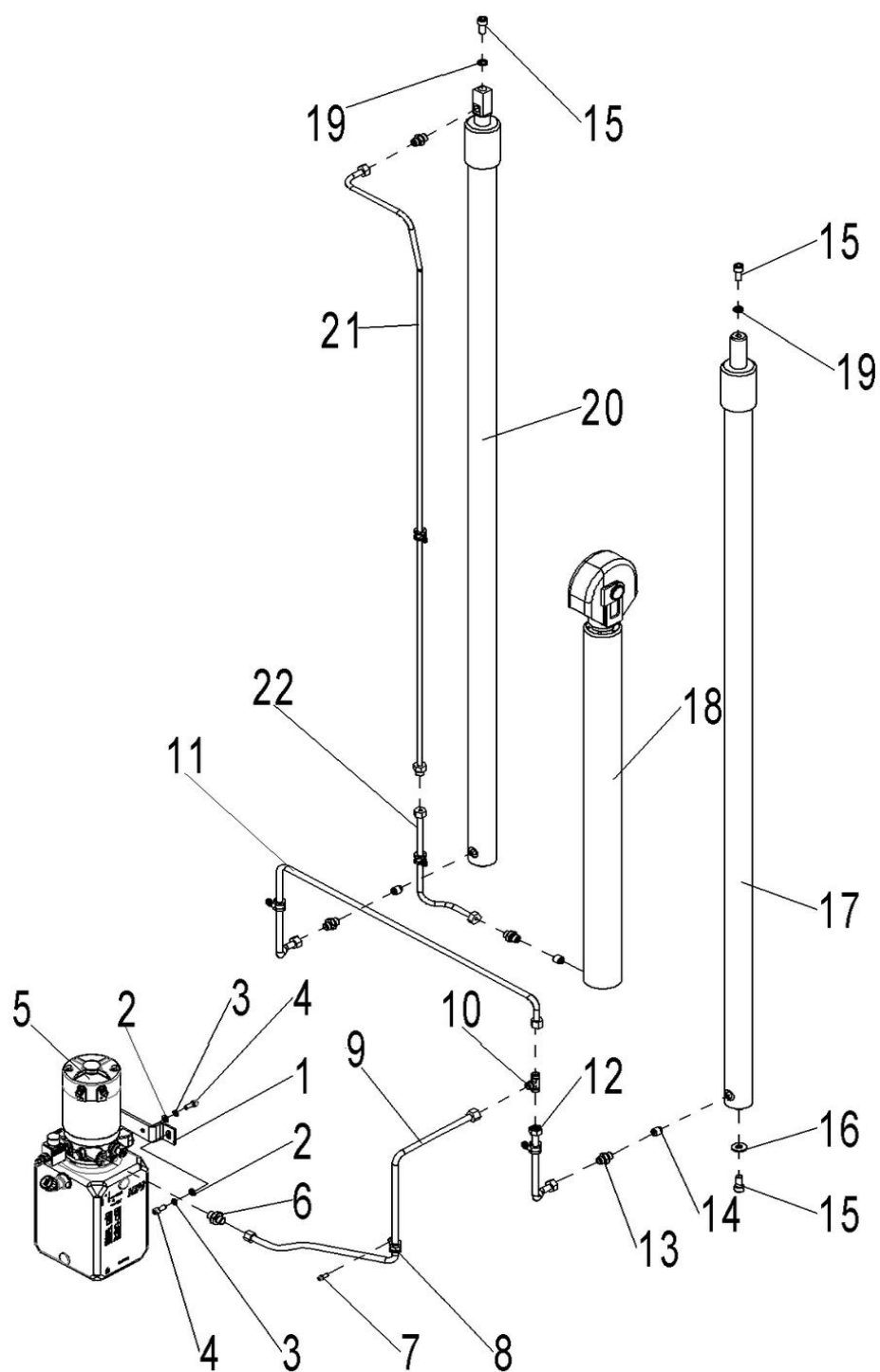


Fig.15 Two-stage Mast Hydraulic System(full free lift)

No.	Art No.	Description	Qty.	Note
1	9000015703	Pump fixing plate	1	
2	0000025011	Washer	4	8
3	0000025001	Washer	4	8
4	0000023044	Screw	4	M8x20
5	9000016361	DC hydraulic power unit	1	
6	9000007832	G straight pipe joint	1	
7	9000014895	YGE pipe clamp	3	
8	0000023604	Screw	3	M6x6
9	9000015647	Special pipe assembly	1	
10	9000007846	Tee coupling	2	
11	9000015193	Connecting steel pipe	1	
12	9000015194	Side steel pipe	1	
13	9000007842	Straight pipe joint	2	
14	2000337001	Safety valve	2	
15	0000023156	Screw	4	M12x25
16	9000015320	Cylinder fixing pad	2	
17	9000015771	Right outer cylinder	1	3600
	9000015779	Right outer cylinder	1	3200
	9000015785	Right outer cylinder	1	2900
18	9000015772	Middle cylinder	1	3600
	9000015780	Middle cylinder	1	3200
	9000015786	Middle cylinder	1	2900
19	0000025024	Washer	4	12
20	9000015770	Left outer cylinder	1	3600
	9000015778	Left outer cylinder	1	3200
	9000015784	Left outer cylinder	1	2900
21	9000015243	Middle cylinder steel pipe 1	1	3600
	9000015255	Middle cylinder steel pipe 1	1	3200
	9000015267	Middle cylinder steel pipe 1	1	2900
22	9000015242	Middle cylinder steel pipe 2	1	

Fig.16 Two-stage mast hydraulic system(standard lift)

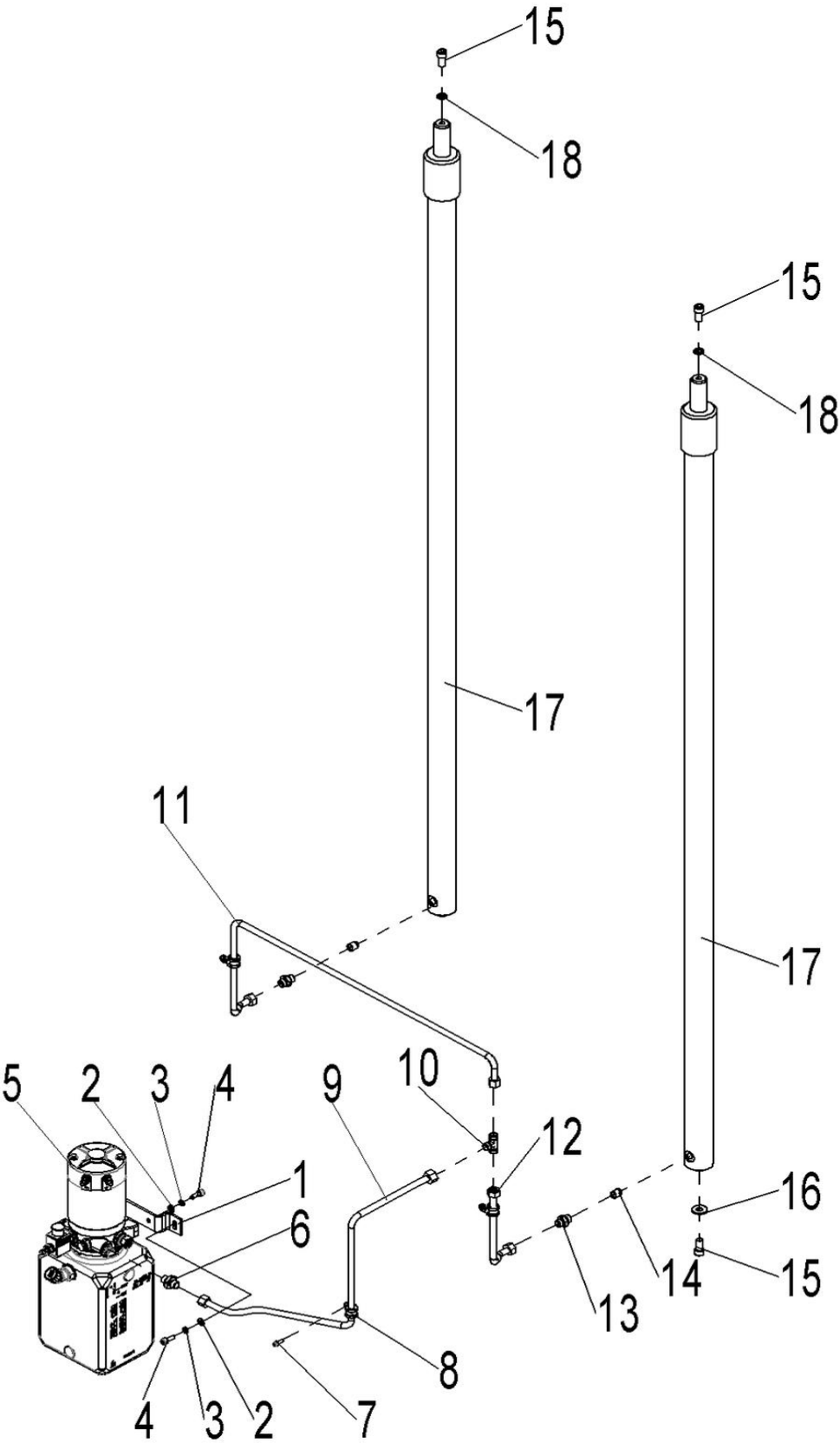


Fig.16 Two-stage Mast Hydraulic System(standard lift)

No.	Art No.	Description	Qty.	Note
1	9000015703	Pump fixing plate	1	
2	0000025011	Washer	4	8
3	0000025001	Washer	4	8
4	0000023044	Screw	4	M8x20
5	9000016361	DC hydraulic power unit	1	
6	9000007832	G straight pipe joint	1	
7	9000014895	YGE pipe clamp	3	
8	0000023604	Screw	3	M6x6
9	9000015647	Special pipe assembly	1	
10	9000007846	Tee coupling	2	
11	9000015193	Connecting steel pipe	1	
12	9000015194	Side steel pipe	1	
13	9000007842	Straight pipe joint	2	
14	2000337001	Safety valve	2	
15	0000023156	Screw	4	M12x25
16	9000015320	Cylinder fixing pad	2	
17	9000015724	Outer cylinder	2	3600
	9000015738	Outer cylinder	2	3200
	9000015742	Outer cylinder	2	2900
18	0000025024	Washer	2	12

Fig.17 Two-stage mast outer cylinder assembly(full free lift)

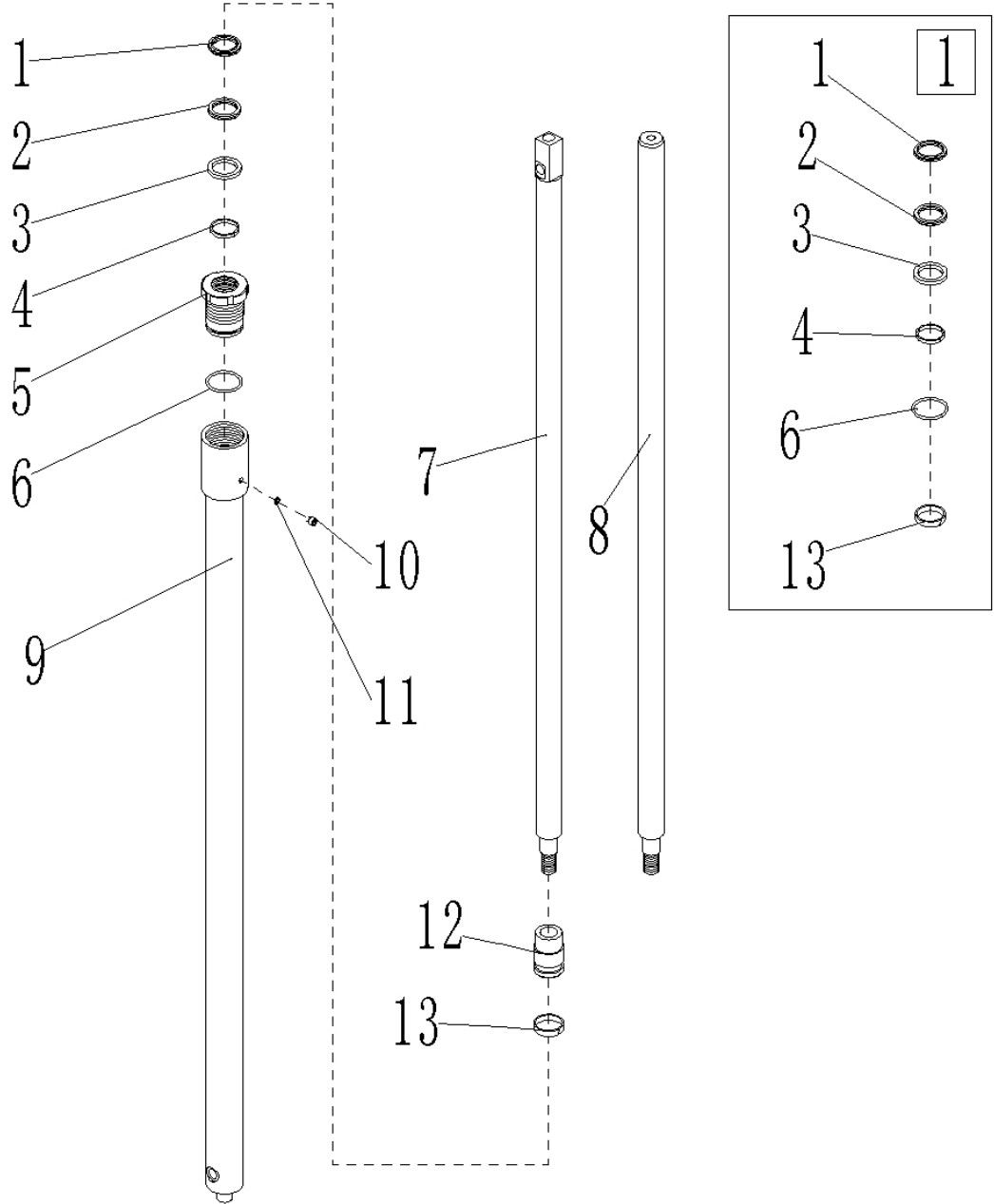


Fig.17 Two-stage Mast outer Cylinder Assembly(full free lift)

No.	Art No.	Description	Qty.	Note
1	9000016336	Dust ring	1	22x33x4.5/6
2	9000016337	Seal ring	1	25x33x5/5.7
3	9000016338	Seal ring	1	25x35.7x4.2
4	9000016339	Supporting ring	1	25x29x10
5	9000015750	Cylinder cover	1	
6	9000015660	O ring	1	49.4x3.1
7	9000015749	Piston rod	1	3600 left cylinder
	9000015755	Piston rod	1	3200 left cylinder
	9000015759	Piston rod	1	2900 left cylinder
8	9000015763	Piston rod	1	3600 right cylinder
	9000015757	Piston rod	1	3200 right cylinder
	9000015761	Piston rod	1	2900 right cylinder
9	9000015751	Cylinder barrel	1	3600
	9000015756	Cylinder barrel	1	3200
	9000015760	Cylinder barrel	1	2900
10	0000022026	Combined seal washer	1	8
11	0000023415	Screw	1	M8x10
12	9000015752	Piston	1	
13	9000015661	Supporting ring	1	40x45x10
①	9000016335	Outer cylinder seal assembly	1	

Fig.18 Two-stage mast middle cylinder assembly(full free lift)

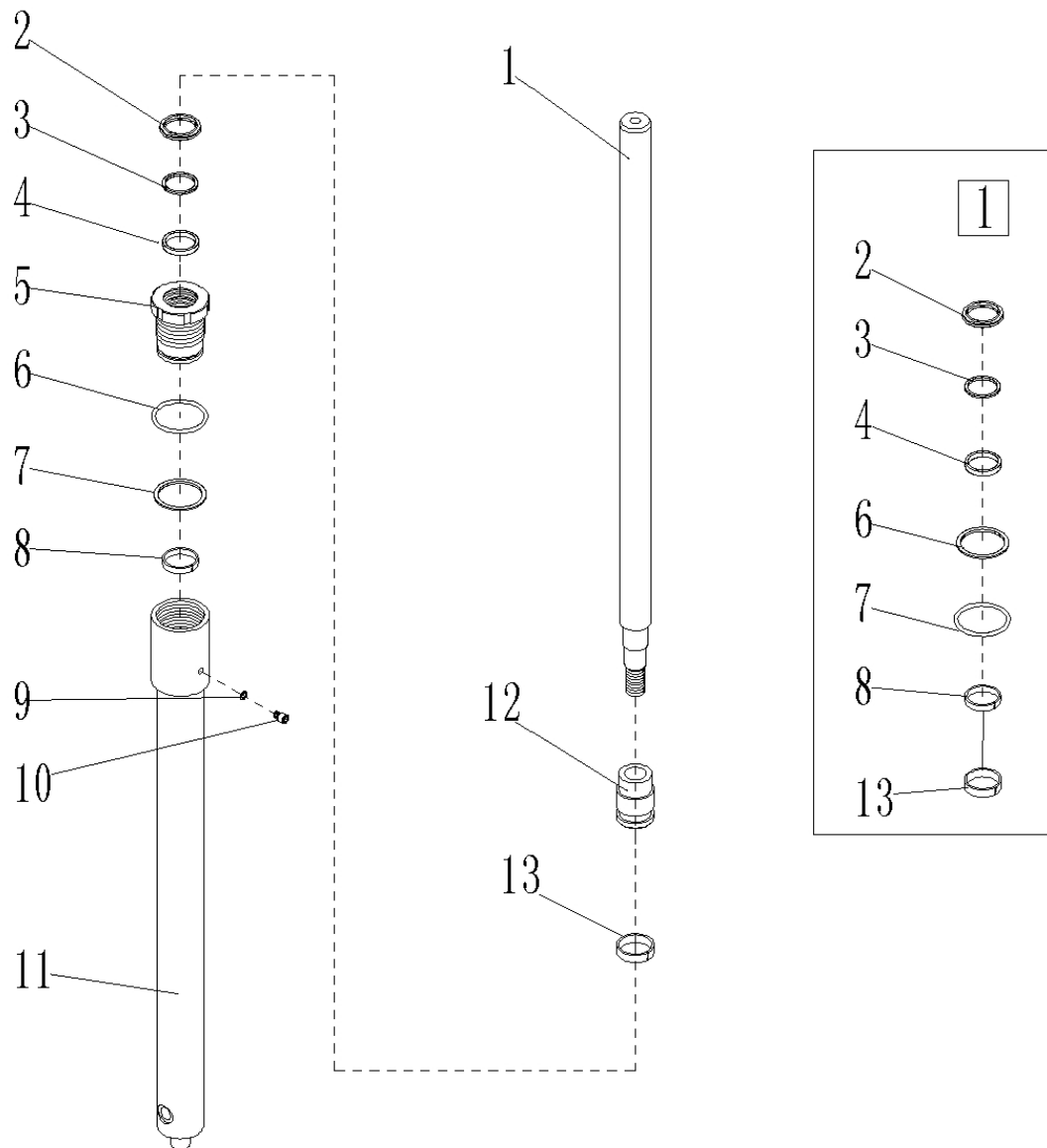


Fig.18 Two-stage Mast middle Cylinder Assembly(full free lift)

No.	Art No.	Description	Qty.	Note
1	9000015754	Piston rod	1	3600
	9000015758	Piston rod	1	3200
	9000015762	Piston rod	1	2900
2	9000010701	Dust ring	1	50X58X5/6.5
3	9000016340	Stop collar	1	50x60x1.5
4	9000010700	Y seal ring	1	50X60X6/7
5	9000015753	End cover	1	
6	9000015664	O ring	1	64.4x3.1
7	9000016341	Stop collar	1	65x70x1.5
8	9000016342	Supporting ring	1	50x64x10
9	0000022026	Combined sealing washer	1	8
10	0000023415	Screw	1	M8x10
11	9000015236	Cylinder barrel	1	3600
	9000015282	Cylinder barrel	1	3200
	9000015283	Cylinder barrel	1	2900
12	9000015325	Piston	1	
13	9000015667	Supporting ring	1	58x63x9.7
①	9000016343	Middle cylinder seal assembly	1	

Fig.19 Two-stage mast outer cylinder assembly(standard lift)

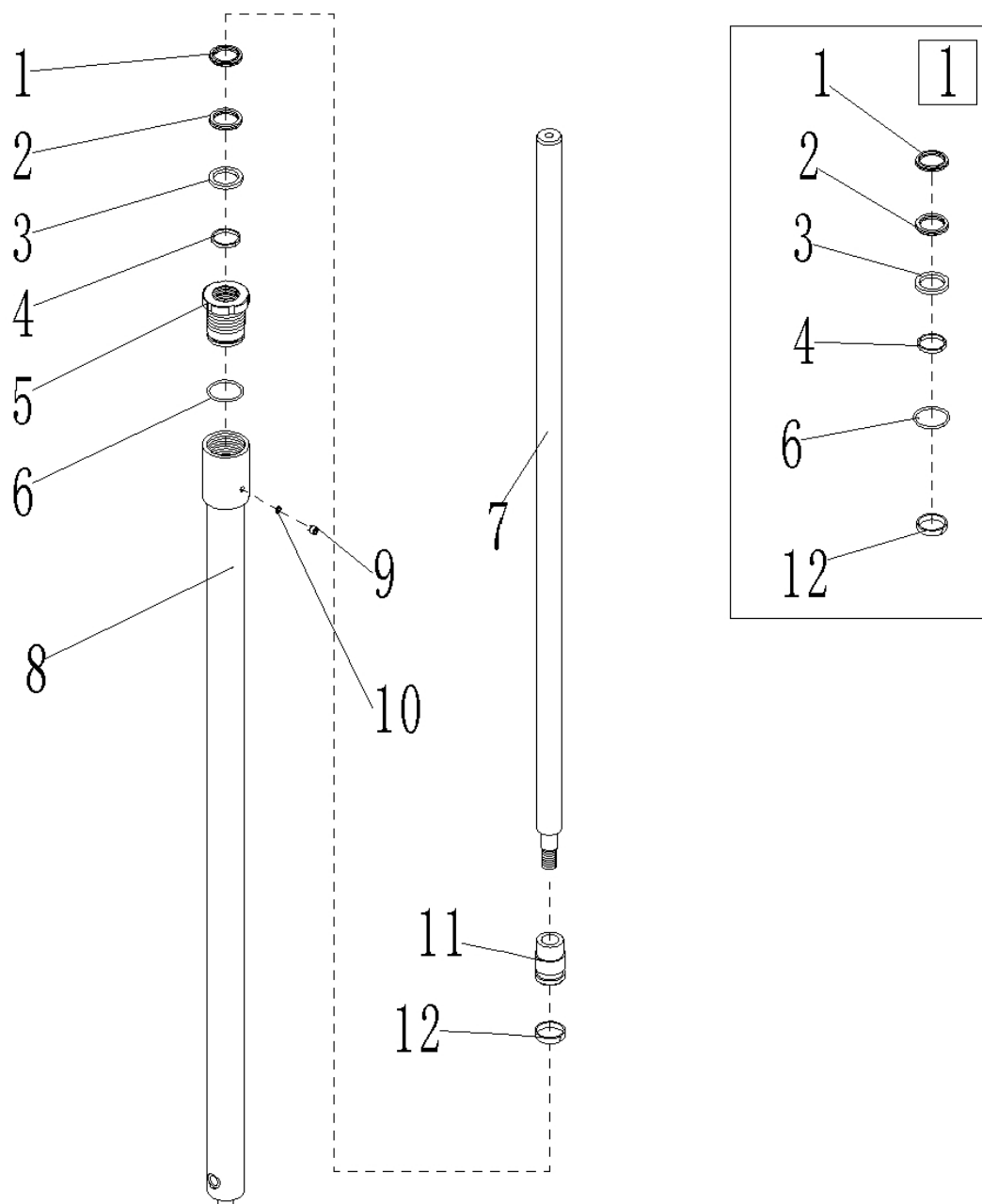


Fig.19 Two-stage Mast outer Cylinder Assembly(standard lift)

No.	Art No.	Description	Qty.	Note
1	9000009075	Dust ring	1	32X40X5/6.5
2	9000009079	Seal ring	1	32X42X6/7
3	9000008953	Seal ring	1	32X42.7X4.2
4	9000016344	Supporting ring	1	32x36x10
5	9000015693	Cylinder cover	1	
6	9000015660	O ring	1	49.4x3.1
7	9000015692	Piston rod	1	3600
	9000015710	Piston rod	1	3200
	9000015716	Piston rod	1	2900
8	9000015694	Cylinder barrel	1	3600
	9000015711	Cylinder barrel	1	3200
	9000015717	Cylinder barrel	1	2900
9	0000023415	Screw	1	M8x10
10	0000022026	Combined sealing washer	1	8
11	9000015695	Piston	1	
12	9000015661	Supporting ring	1	40x45x10
①	9000016345	Outer cylinder seal assembly	1	

Fig.20 Drive system assembly

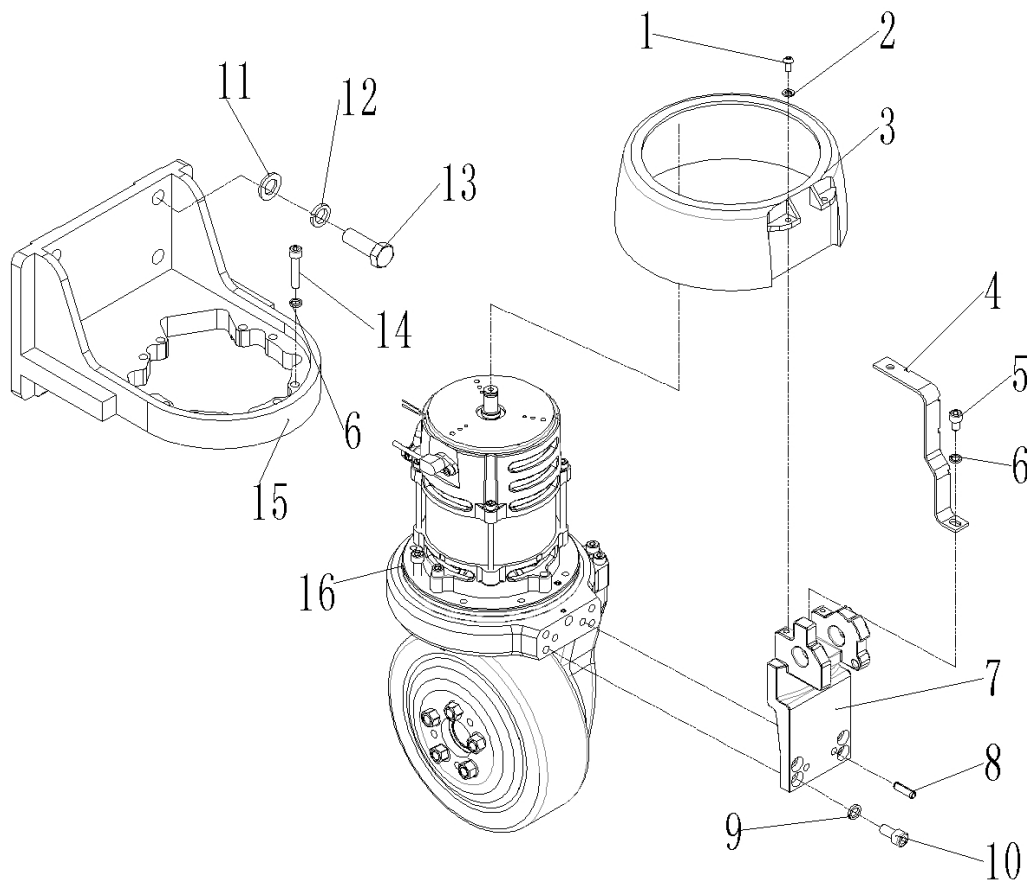


Fig.20 Drive System Assembly

No.	Art No.	Description	Qty.	Note
1	0000023045	Screw	2	M6x12
2	0000023055	Washer	2	6
3	9000015376	Driving wheel cover	1	
4	9000015378	Cable holder	1	
5	0000023089	Screw	1	M8x12
6	0000025001	Washer	5	8
7	9000011355	Handle seat	1	
8	0000028116	Elastic dowel pin	2	8x26
9	0000023006	Washer	4	10
10	0000023034	Screw	4	M10x20
11	0000025029	Washer	4	16
12	0000025055	Washer	4	16
13	0000023583	Bolt	4	M16x45
14	0000023077	Screw	4	M8x40
15	9000015377	Driving wheel seat	1	
16	9000010249	AC vertical drive assembly	1	

Fig.21 Load wheel assembly

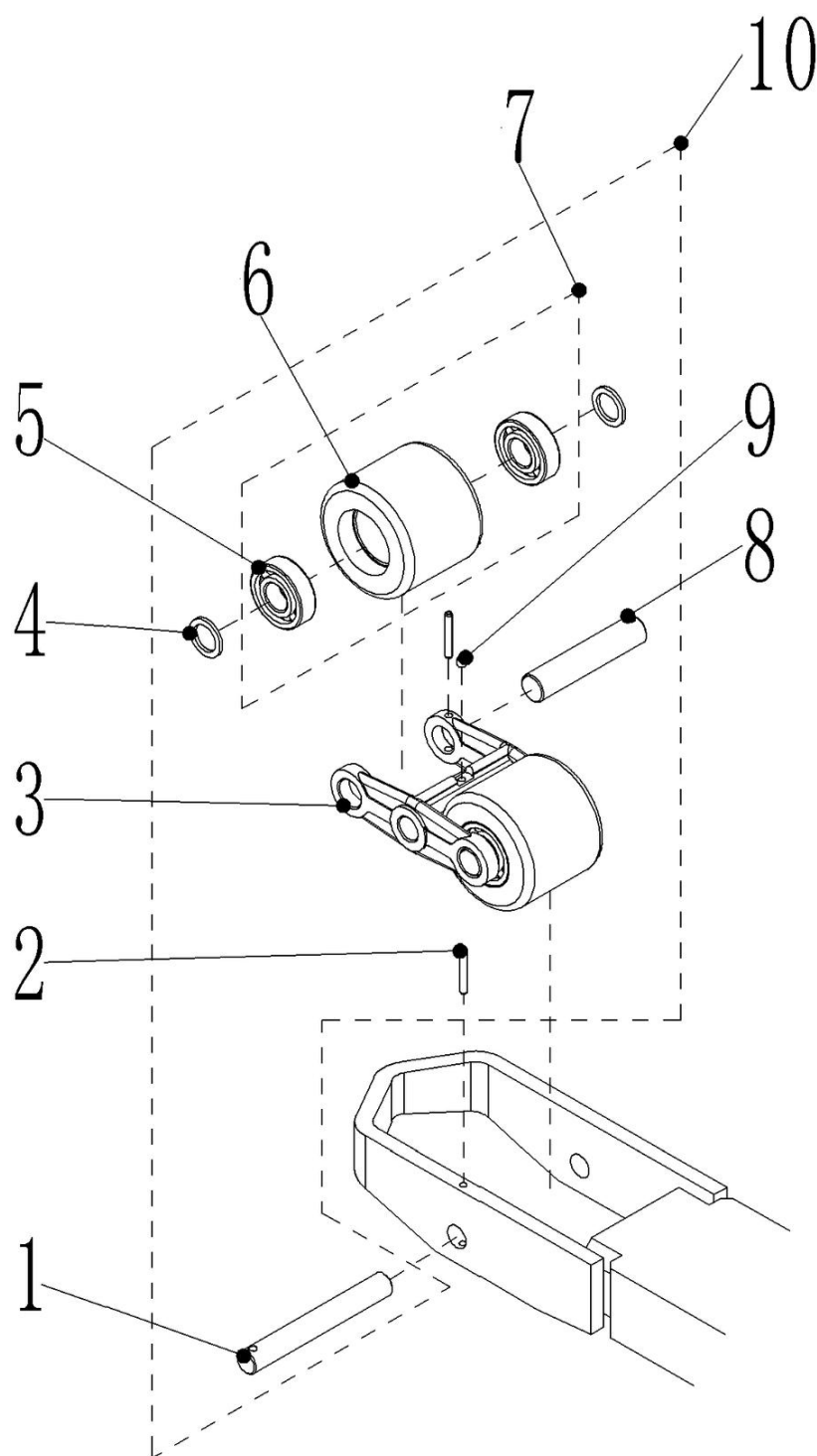


Fig.21 Load Wheel Assembly

No.	Art No.	Description	Qty.	Note
1	9000012092	Connecting shaft	2	
2	0000028009	Elastic dowel pin	6	5x35
3	9000012093	Double wheel carrier	2	
4	9000010718	Adjusting washer	8	(thickness 2.5)
5	0000027001	Bearing	8	6204
6	1000507011	Load wheel	4	Ø84X70
7	9000010727	Wheels fittings	4	
8	9000012094	Small wheel shaft	4	
9	0000030001	Grease cup	1	6
10	9000010728	Load wheel assembly	2	

Fig.22 Handle assembly

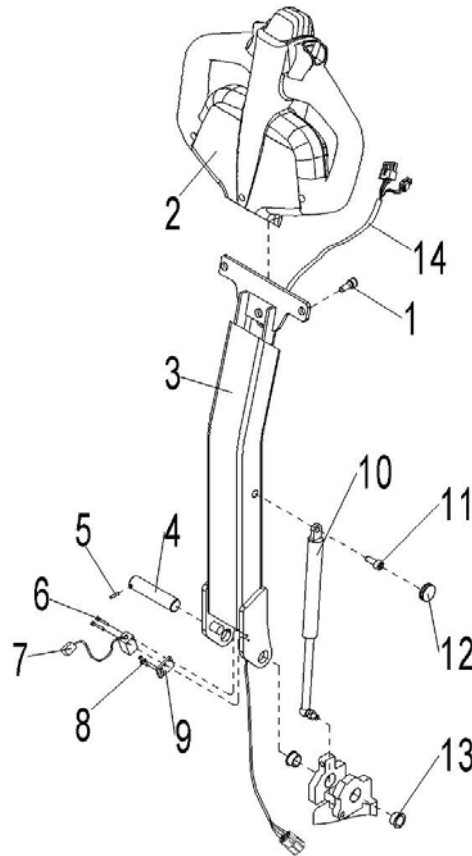


Fig.22 Handle Assembly

No.	Art No.	Description	Qty.	Note
1	0000023047	Screw	2	M8x25
2	1100100001	Canbus control handle C	1	94300-90
3	9000010693	Handle bar	1	
4	9000010694	Spindle	1	
5	0000028024	Elastic dowel pin	1	4x16
6	0000023075	Screw	2	M3x20
7	900000832	9 Interlock switch	1	
8	0000023056	Screw	2	M4x12
9	9000010695	Switch baseplate	1	
10	9000011289	Air spring	1	
11	0000023044	Screw	1	M8x20
12	9000010696	Envelope	1	
13	0000013002	Bushing	2	20x22x12
14	9000010635	Handle control harness	1	

Fig.23 Pump system

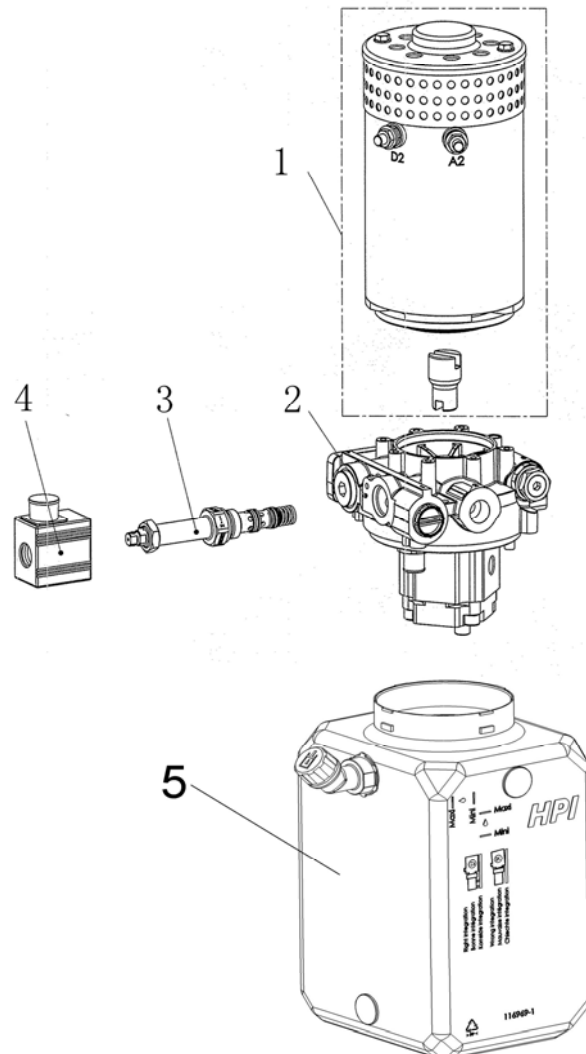


Fig.23 Pump System

No.	Art No.	Description	Qty.	Note
1	9000015641	Motor	1	1.5KW
2	9000015642	Centre valve	1	
3	9000015643	Solenoid valve core	1	
4	9000015644	Coil	1	
5	9000016362	Oil tank	1	

Fig.24 Main circuit harness

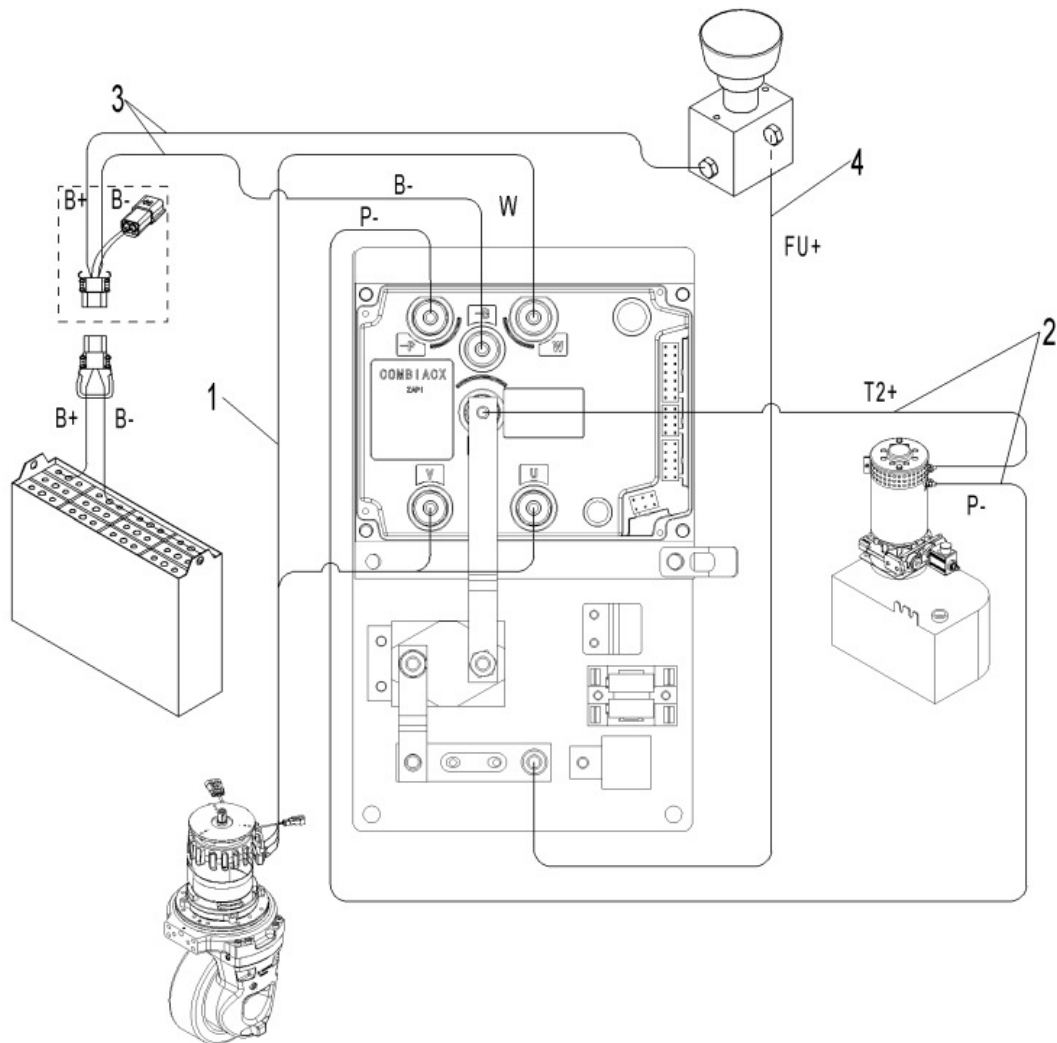


Fig.24 Main circuit harness

No.	Art No.	Description	Qty.	Note
1	9000010652	Drive motor harness	1	
2	9000016346	Pump motor harness	1	
3	9000010654	Power harness	1	
4	9000010655	Harness	1	FU+

Fig.25 Electrical general part

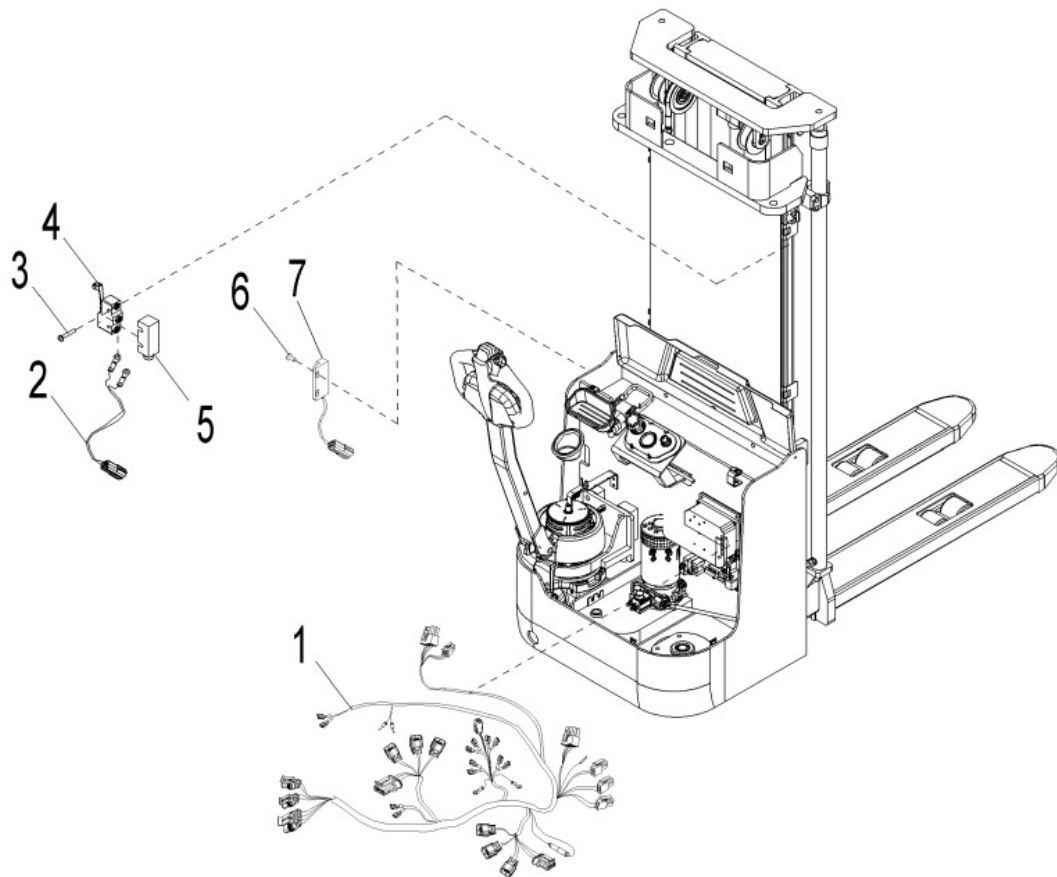


Fig.25 Electrical general Part

No.	Art No.	Description	Qty.	Note
1	9000010649	Main control harness	1	
2	9000008360	Limit control harness	1	
3	0000023033	Screw	2	M4×25
4	2040634001	Micro switch	1	XZ-15GW22-B
5	2040603002	Micro switch protective cover	1	
6	0000023216	Screw	3	M3×8
7	9000008332	Magnet switch	1	HWK23

Fig.26 Controller assembly

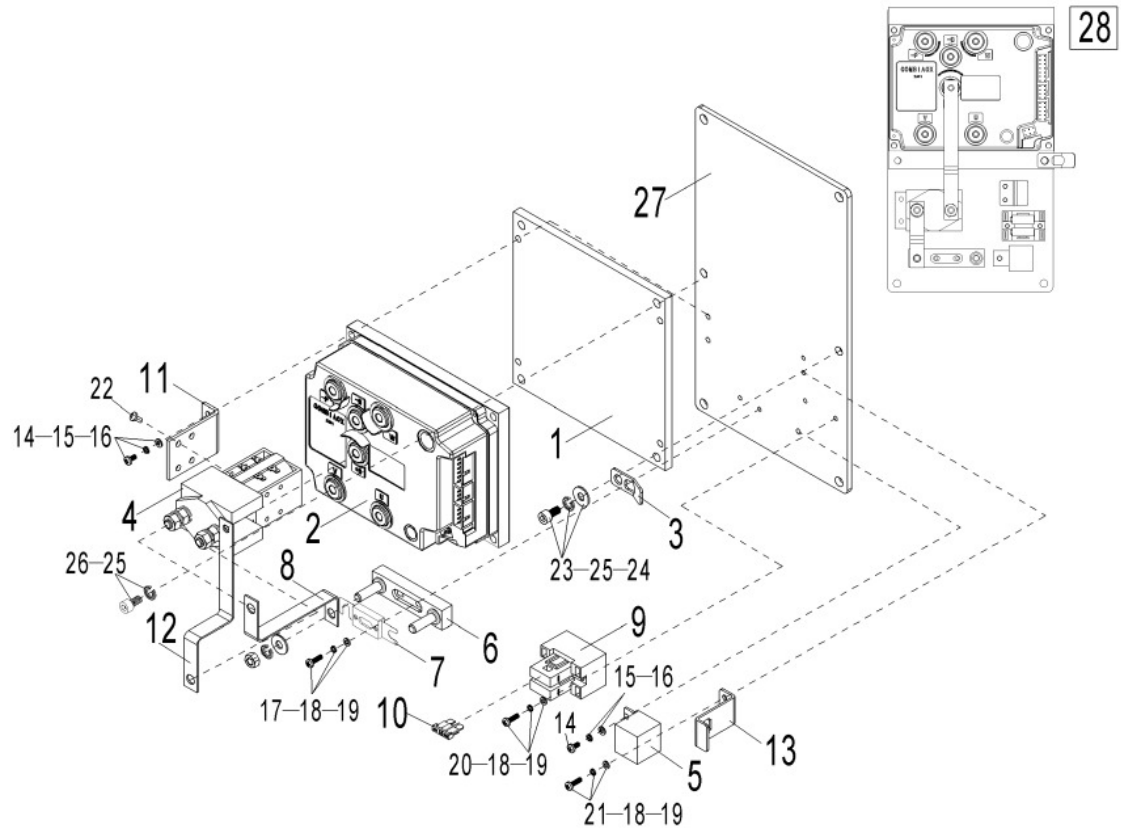


Fig.26 Controller Assembly

No.	Art No.	Description	Qty.	Note
1	9000010659	Aluminium plate	1	
2	9000016047	Controller	1	COMBIACX24V/240A+270A
3	9000009791	Line hanging board	3	
4	2390434003	Contactor	1	SW180B-4 DC24V
5	1000434041	Relay	1	ACR01F-F-1AD DC24V
6	1000434007	Fuse seat	1	SYV
7	9000008635	Fuse	1	350A
8	9000010657	Copper bar	1	
9	9000008586	Fuse base	1	BD-2X10A-1
10	1000434040	Plug fuse	2	10A
11	9000000002	Contactor holder	1	
12	9000010656	Copper bar	1	
13	9000007679	Programmer plug-in holder	1	
14	0000023516	Screw	3	M5x10
15	0000025015	Washer	3	5
16	0000025014	Washer	3	5
17	0000023211	Screw	6	M4x16
18	0000025018	Washer	6	4
19	0000025019	Washer	6	4
20	0000023019	Screw	2	M4x30
21	0000023307	Screw	6	M4x10
22	0090000395	Screw	2	M5x8
23	0000023166	Screw	1	M8x20
24	0000025005	Washer	1	8
25	0000025001	Washer	2	8
26	0000023089	Screw	2	M8x16
27	9000015362	Controller fixing plate	1	
28	9000010658	Controller assembly	1	

Fig.27 Load backrest

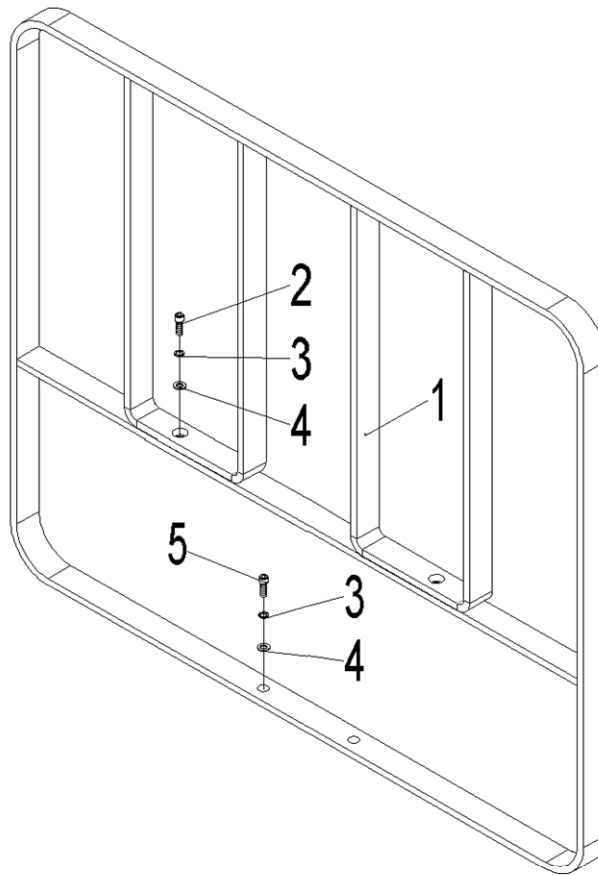


Fig.27 Load Backrest

No.	Art No.	Description	Qty.	Note
1	9000008259	Load backrest	1	
2	0000023088	Screw	2	M10×25
3	0000025002	Washer	4	10
4	0000023006	Washer	4	10
5	0000023029	Screw	2	M10×35

Easy worn parts list

No.	Art No.	Description	Qty.	Fig./Position	Note
1	0000027013	Bearing	2	Fig.9/3	Steering wheel assembly
2	0000027001	Bearing	2	Fig.9/11	Steering wheel assembly Load wheel assembly
			8	Fig.21/5	
3	2210416001	Rear wheel	1	Fig.9/12	Steering wheel assembly
4	9000016336	Dust ring	1	Fig.17/1	Two-stage Mast outer Cylinder Assembly (full free lift)
5	9000016337	Seal ring	1	Fig.17/2	
6	9000016338	Seal ring	1	Fig.17/3	
7	9000016339	Supporting ring	1	Fig.17/4	
8	9000015660	O ring	1	Fig.17/6	
			1	Fig.19/6	
9	9000015661	Supporting ring	1	Fig.17/13	
			1	Fig.19/12	
10	9000016335	Outer cylinder seal assembly	1	Fig.17/11	
11	9000010701	Dust ring	1	Fig.18/2	Two-stage Mast middle Cylinder Assembly (full free lift)
12	9000016340	Stop collar	1	Fig.18/3	
13	9000010700	Y seal ring	1	Fig.18/4	
14	9000015664	O ring	1	Fig.18/6	
15	9000016341	Stop collar	1	Fig.18/7	
16	9000015667	Supporting ring	1	Fig.18/13	
17	9000016343	Middle cylinder seal assembly	1	Fig.18/11	
18	9000009075	Dust ring	1	Fig.19/1	Two-stage Mast outer Cylinder Assembly (standard lift)
19	9000009079	Seal ring	1	Fig.19/2	
20	9000008953	Seal ring	1	Fig.19/3	
21	9000016344	Supporting ring	1	Fig.19/4	
22	9000016345	Outer cylinder seal assembly	1	Fig.19/11	
23	1000507011	Load wheel	4	Fig.21/6	Load Wheel Assembly
24	9000010728	Load wheel assembly	4	Fig.21/10	
25	9000008329	Interlock switch	2	Fig.22/7	Handle Assembly
26	9000011289	Air spring	1	Fig.22/10	
27	2040634001	Micro switch	1	Fig.25/4	Electrical general Part
28	9000008332	Magnet switch	2	Fig.25/7	
29	9000008635	Fuse	1	Fig.26/7	Controller Assembly
30	1000434040	Plug fuse	1	Fig.26/10	