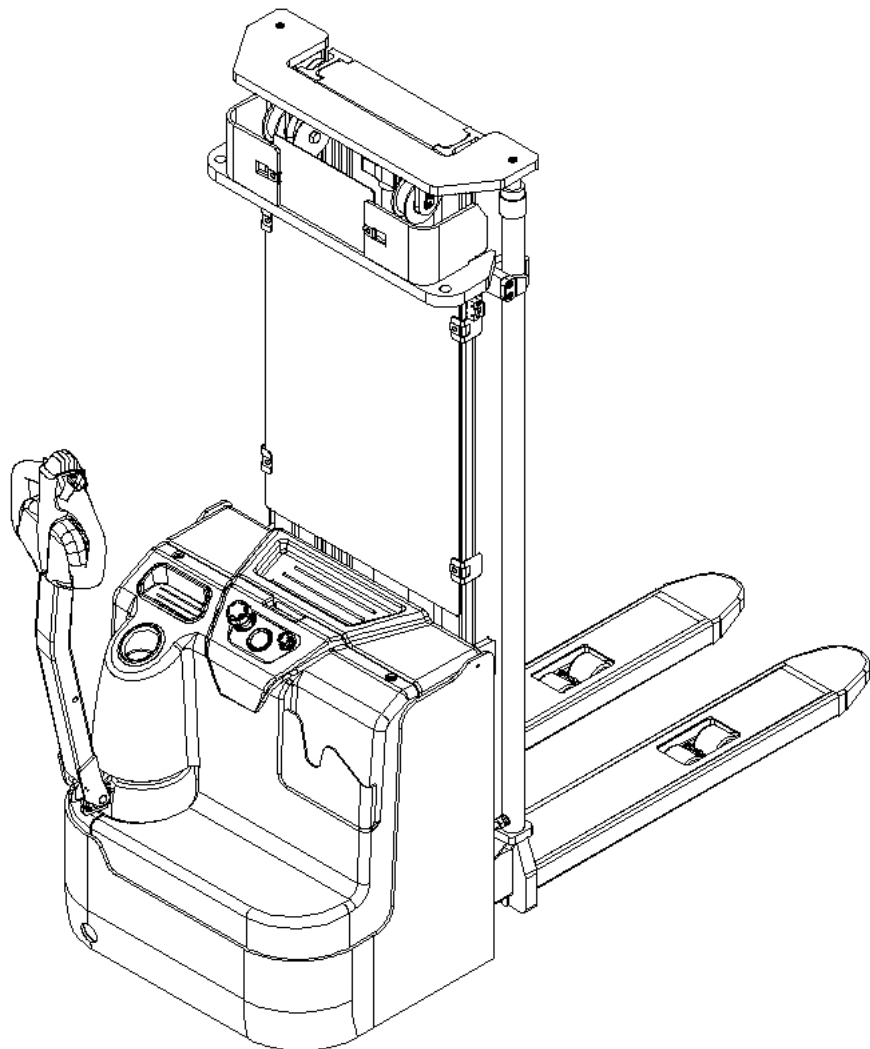


# SPAREPARTS LIST

## Electric Stacker PS 44L



Version 02/2016

From truck identification number:

PS 20L-BPT-002-EN

# Catalogue

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Fig.1 Label (For EU)

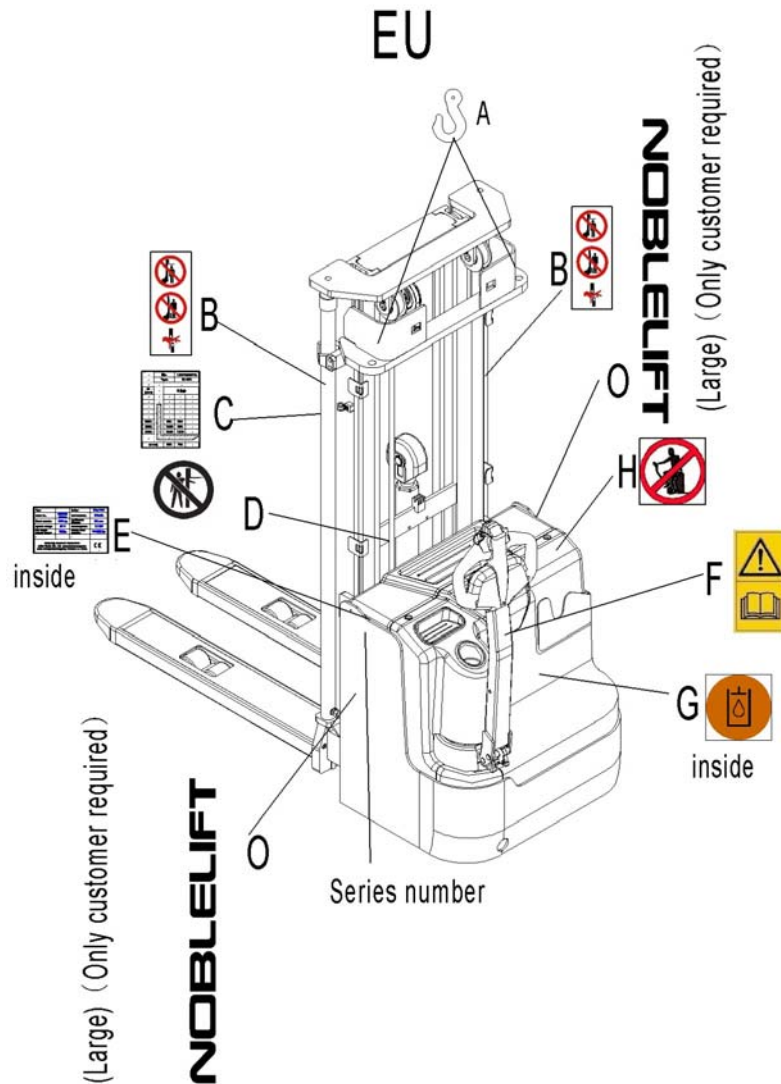


Fig.1 Label (For EU)

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	9000016325	Residual lift capacity sticker	1	
D	9000008561	Never reach through	1	
E	9000016326	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)

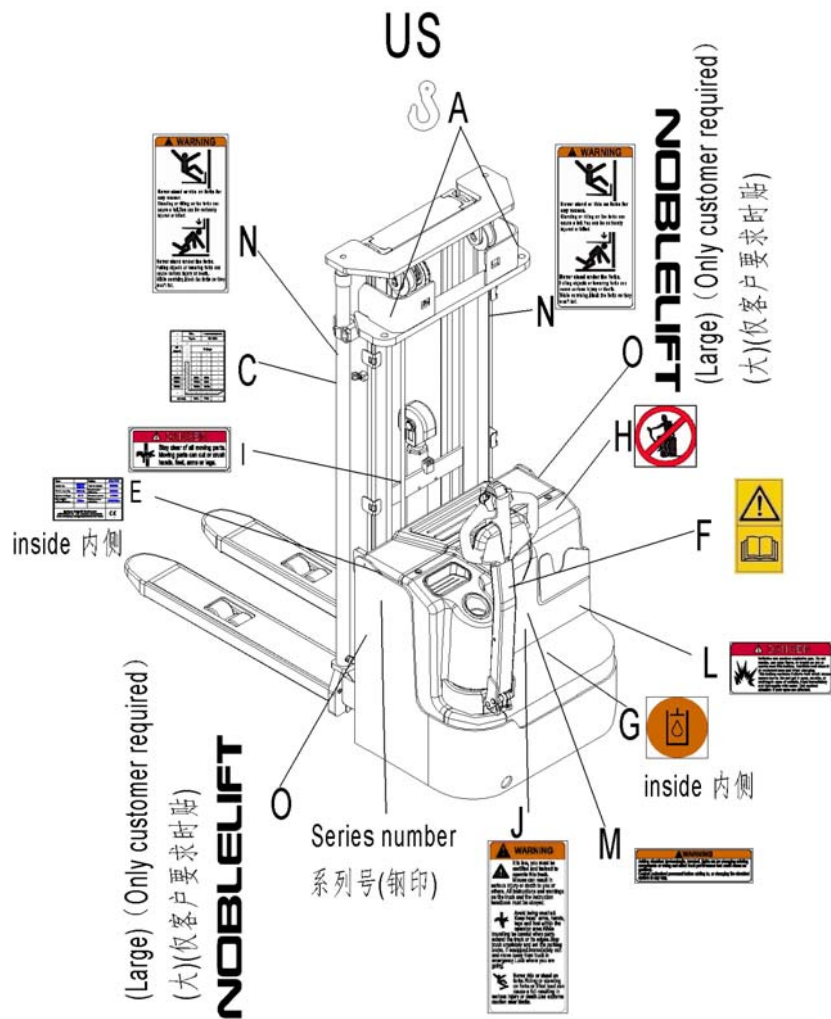
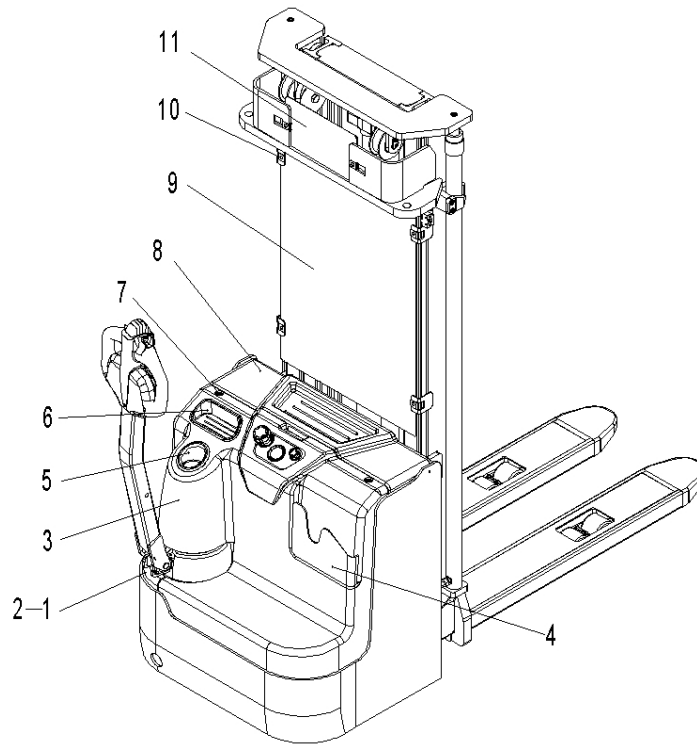


Fig.2 Label (For US)

No.	Art No.	Description	Qty.	Note
A	9000005967	Crane hook label	2	
C	9000016325	Residual lift capacity sticker	1	
E	9000016326	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	

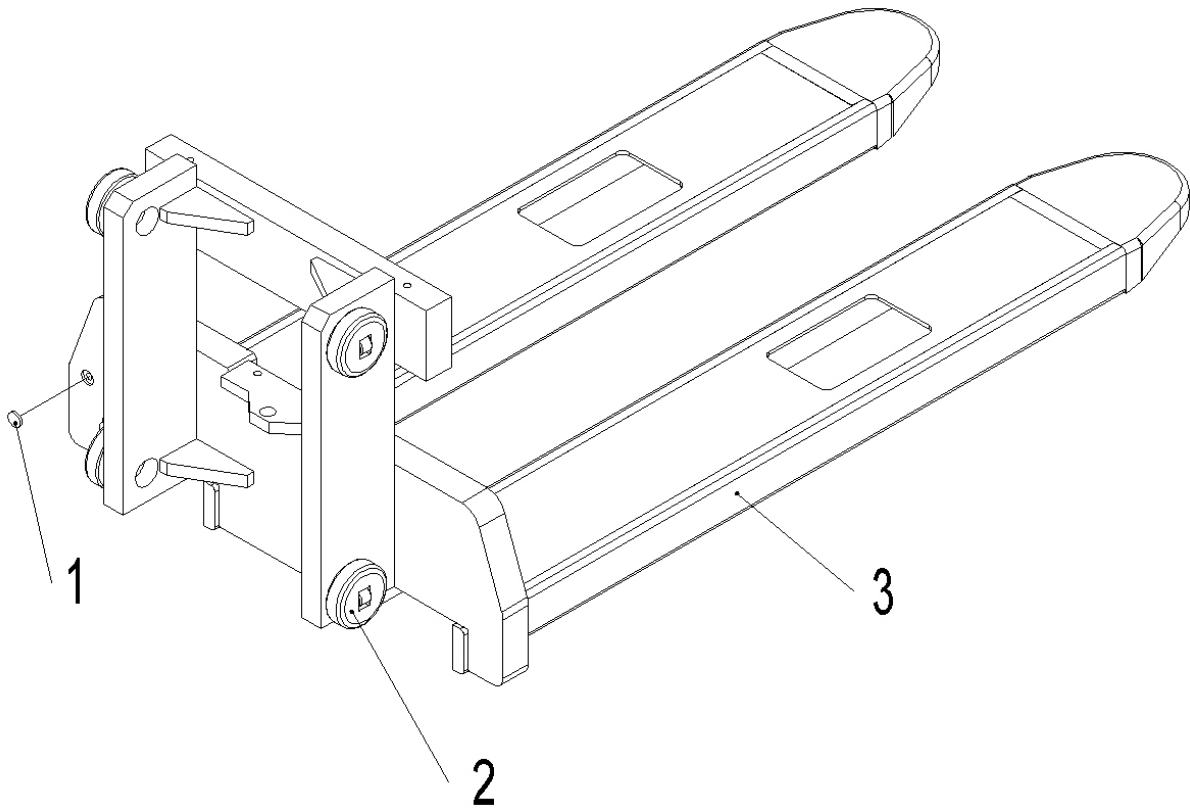
**Fig.3 Outline**



**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	9000015946	Battery cover	1	
9	9000015914	Protective plate	1	(4600)
	9000015934	Protective plate	1	(4300)
	9000015977	Protective plate	1	(4000)
	9000015798	Protective plate	1	(3600)
	9000015801	Protective plate	1	(3200)
	9000015808	Protective plate	1	(2900)
9000015858	Protective plate	1	(2700)	
10	9000007782	Spring buckle	6	(thickness 1)
11	9000015913	Upper protective plate	1	

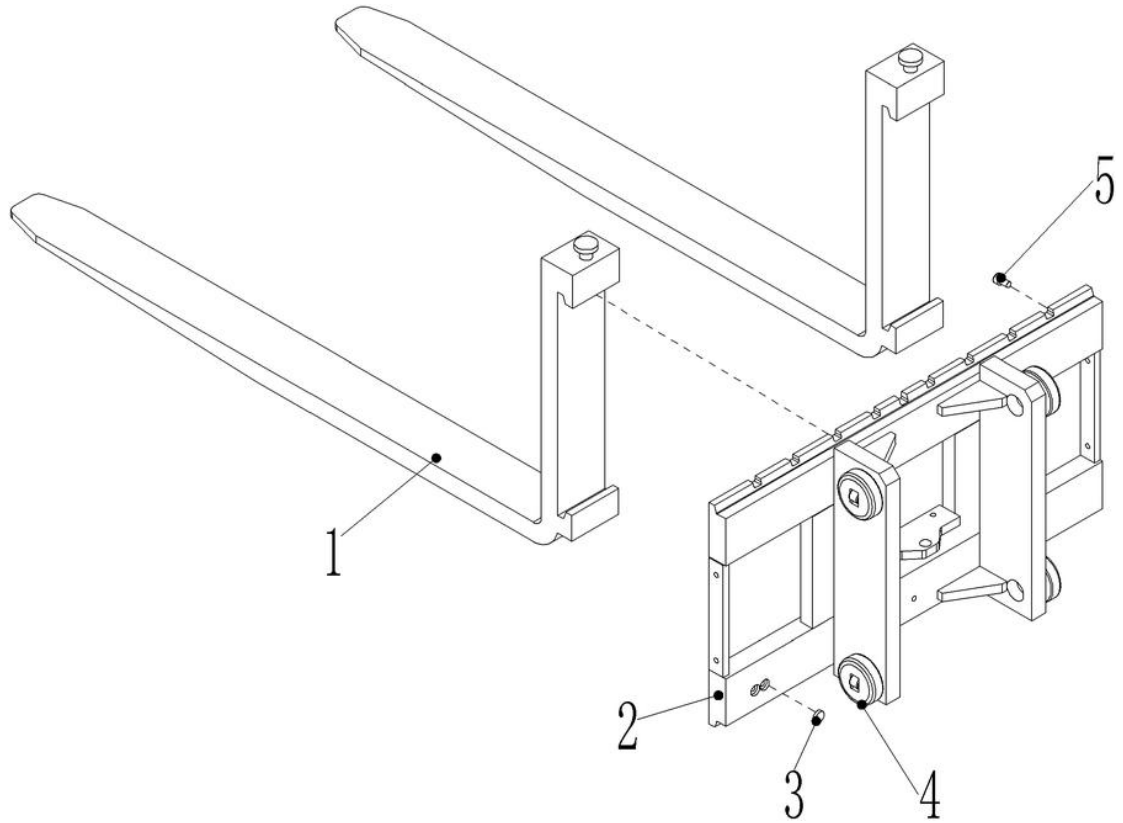
**Fig.4 Pallet**



**Fig.4 Pallet**

No.	Art No.	Description	Qty.	Note
1	2000435002	Magnet steel	1	
2	3500100004	Roller	4	1
3	9000015811	Pallet (570×1150)	1	Two-stage mast
	9000015819	Pallet (685×1150)	1	Two-stage mast
	9000015937	Pallet (570×1150)	1	Three-stage mast
	9000015953	Pallet (685×1150)	1	Three-stage mast

**Fig.5 Fork assembly (straddle)**

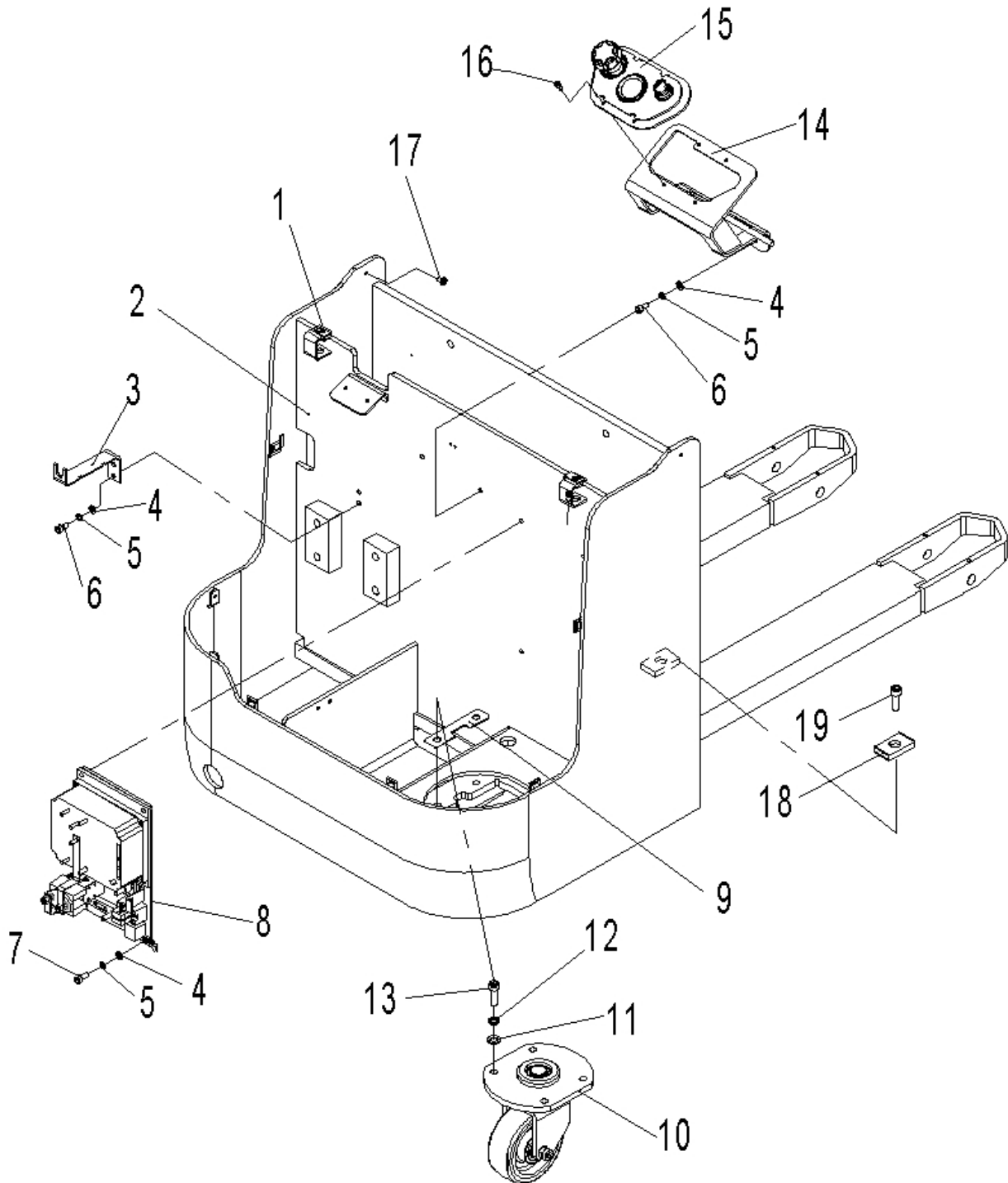


**Fig.5 Fork assembly (straddle)**

No.	Art No.	Description	Qty.	Note
1	9000017399	Fork assembly (hook type)	2	Width: 120
2	9000016314	Fork frame assembly	1	Three-stage-mast
	9000016310			Two-stage-mast
3	2000435002	Magnet steel	1	
4	3500100004	Roller 1	4	
5	0000023080	Screw	2	M10x16



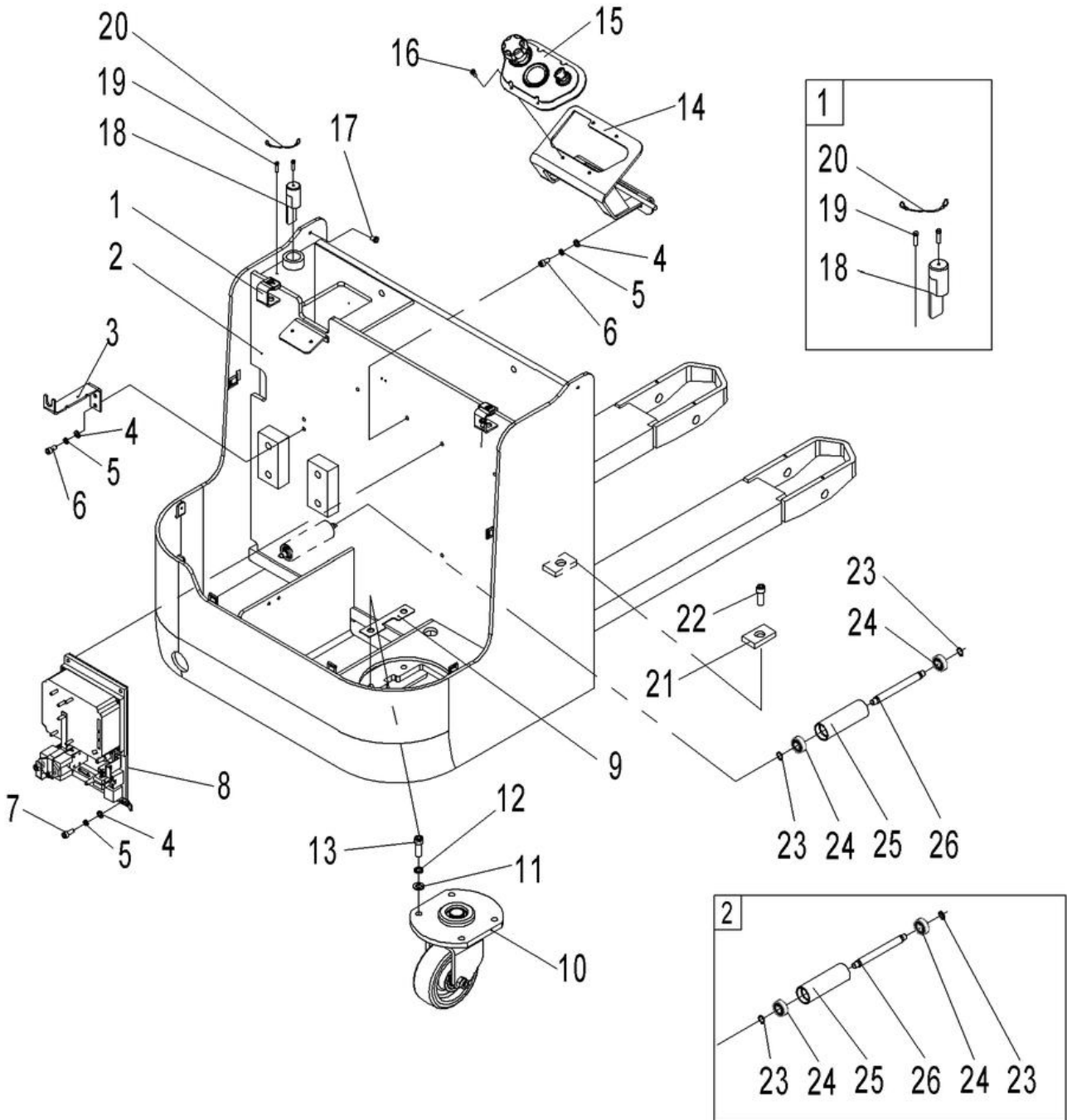
Fig.6 Truck assembly



**Fig.6 Truck Assembly**

No.	Art No.	Description	Qty.	Note
1	9000007783	Nut	2	M10
2	9000015945	Truck body	1	570x1150
	9000015960	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

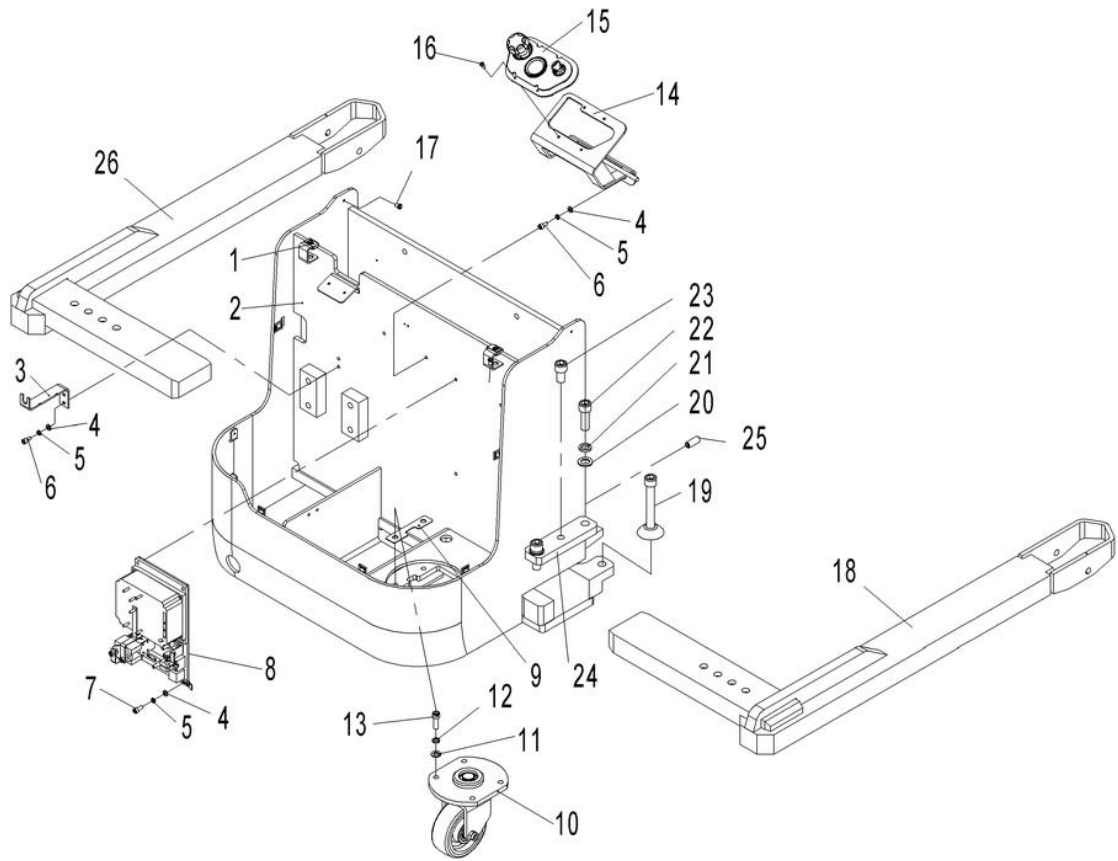
**Fig.7 Truck assembly(side pull battery)**



**Fig.7 Truck Assembly(side pull battery)**

No.	Art No.	Description	Qty.	Note
1	9000007783	Nut	2	M10
2	9000017419	Truck body	1	570x1150
	9000017425	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	9000017412	Lock shaft	1	
19	9000017413	Short connecting rod	2	
20	9000017414	Wirerope	1	
21	9000015373	Cushion	2	
22	0000023045	Screw	2	M6x12
23	0000026004	Circlip	12	15
24	0000027060	Bearing	12	6202
25	9000017410	Barrel	6	
26	9000017409	Axle	6	
[1]	9000017411	Lock shaft assembly	1	
[2]	9000017408	Roller assembly	6	

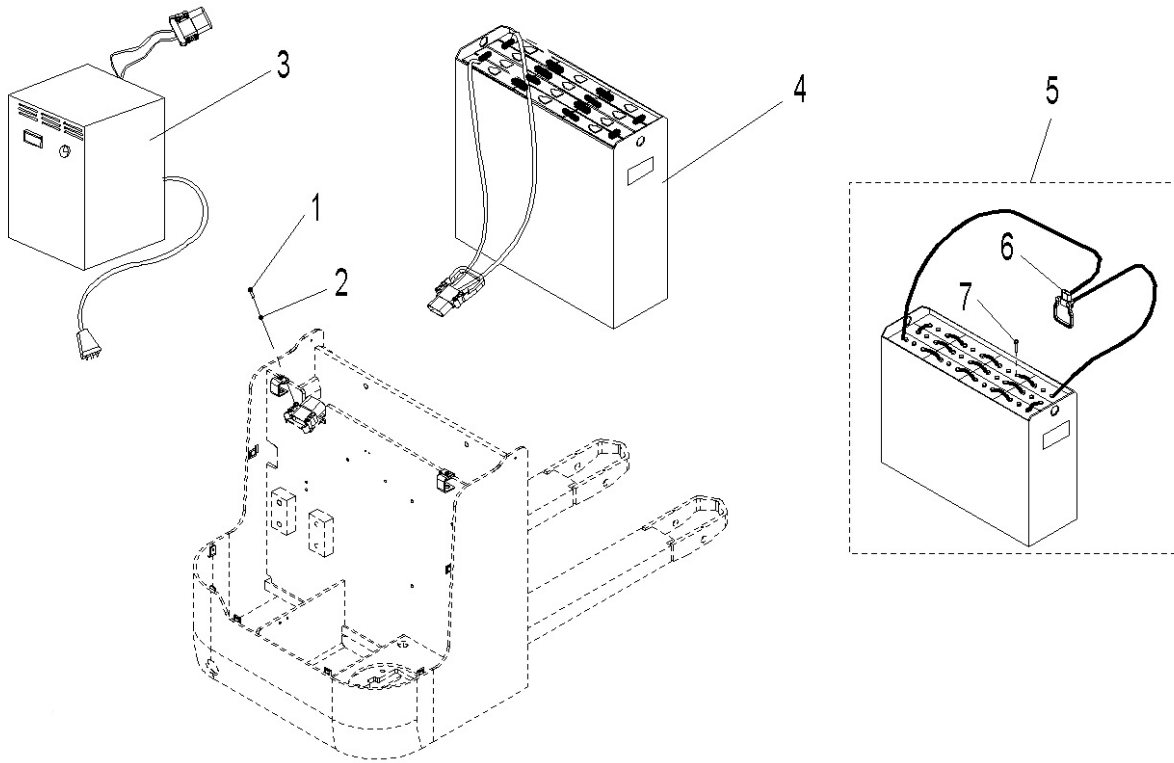
**Fig.8 Truck assembly (straddle)**



**Fig.7 Truck assembly (straddle)**

No.	Art No.	Description	Qty.	Note
1	9000007783	Nut	2	M10
2	9000016317	Truck assembly	1	
3	9000015356	Cable holder	1	
4	0000025011	Washer	8	8
5	0000025001	Spring 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	1	
11	0000025032	Washer	4	12
12	0000025024	Spring washer	4	12
13	0000023082	Screw	4	M12x35
14	9000015430	Fixing plate	1	
15	9000015431	Instrument	1	
16	0000023020	Screw	4	M6x20
17	9000015369	Locating sleeve	2	
18	9000016303	Right front leg	1	
19	2050402002	Supporting assembly	2	
20	0000025031	Washer	4	20
21	0000025033	Spring washer	4	20
22	0000023453	Screw	4	M20x60
23	2050402003	Locating pin	2	
24	9000016290	Pressure plate	2	
25	0090000758	Lock screw	6	M16x40
26	9000016301	Left front leg	1	

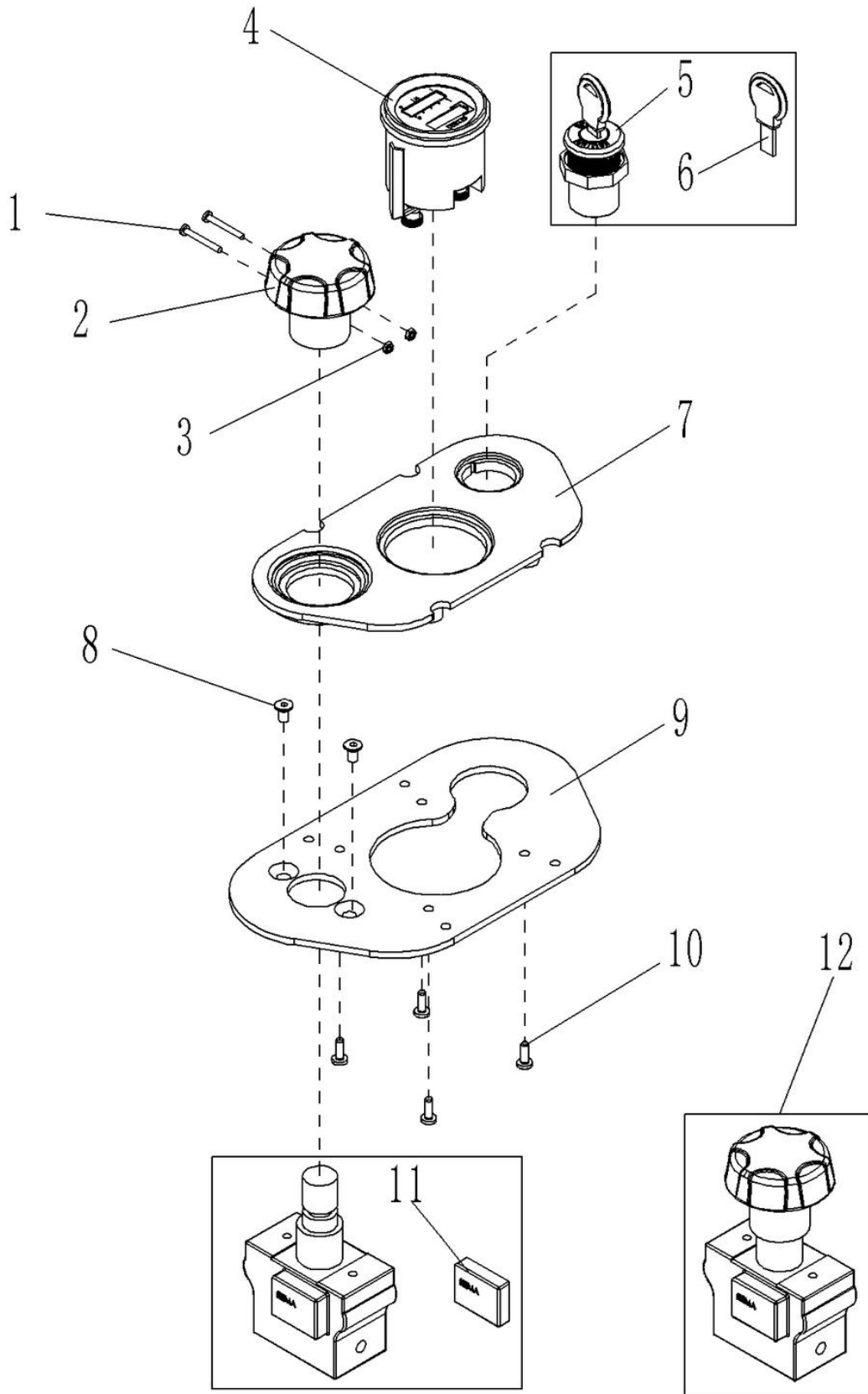
**Fig.9 Power supply**



**Fig.8 Power supply**

No.	Art No.	Description	Qty.	Note
1	0000023106	Screw	2	M6×30
2	0000023055	Washer	2	6
3	9000010147	Charger (Asian in Chinese)	1	24V/45A
	9000010148	Charger (Asian in English)		24V/45A
	9000010194	Charger (European)		24V/45A
	9000010195	Charger (Australian)		24V/45A
	9000010196	Charger (British)		24V/45A
	9000010197	Charger (American)		24V/45A
4	9000008322	Power assembly-welded	1	(350Ah)
5	9000009835	Power assembly-bolted	1	(350Ah)
6	2000434002	Connector assembly	1	Only for bolt type battery
7	9000009832	Screw M10X22	24	

Fig.10 Instrument assembly

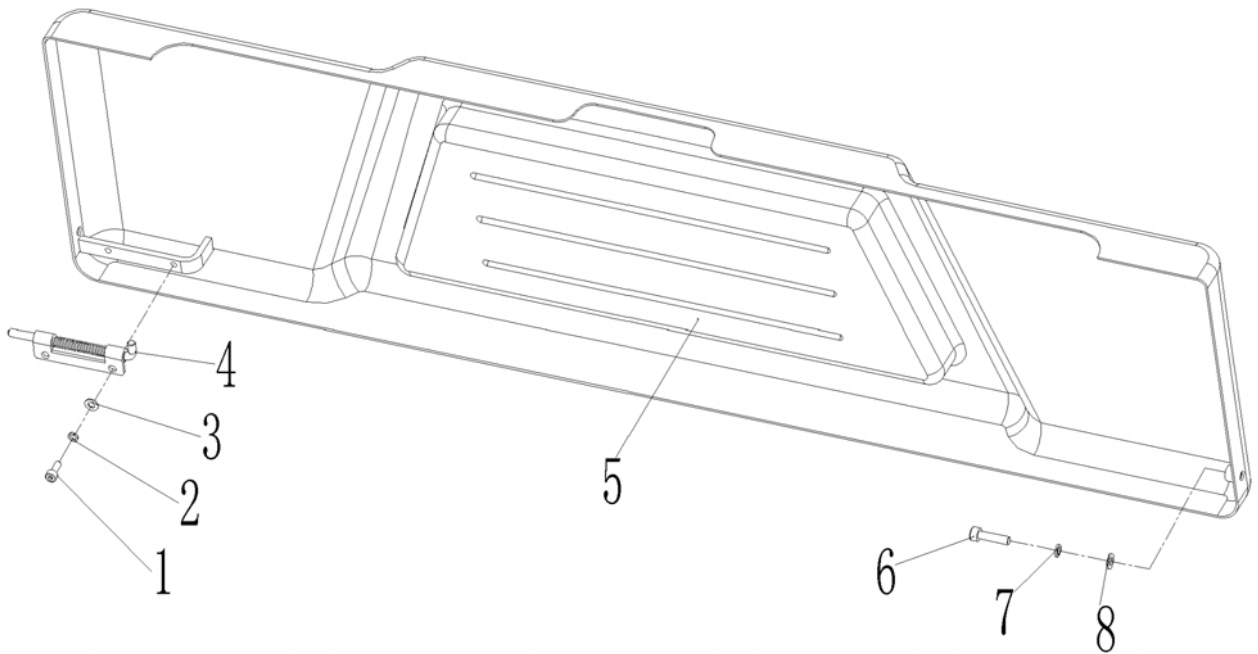




**Fig.9 Instrument Assembly**

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	9000000760	Indicator	1	MDI CAN
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

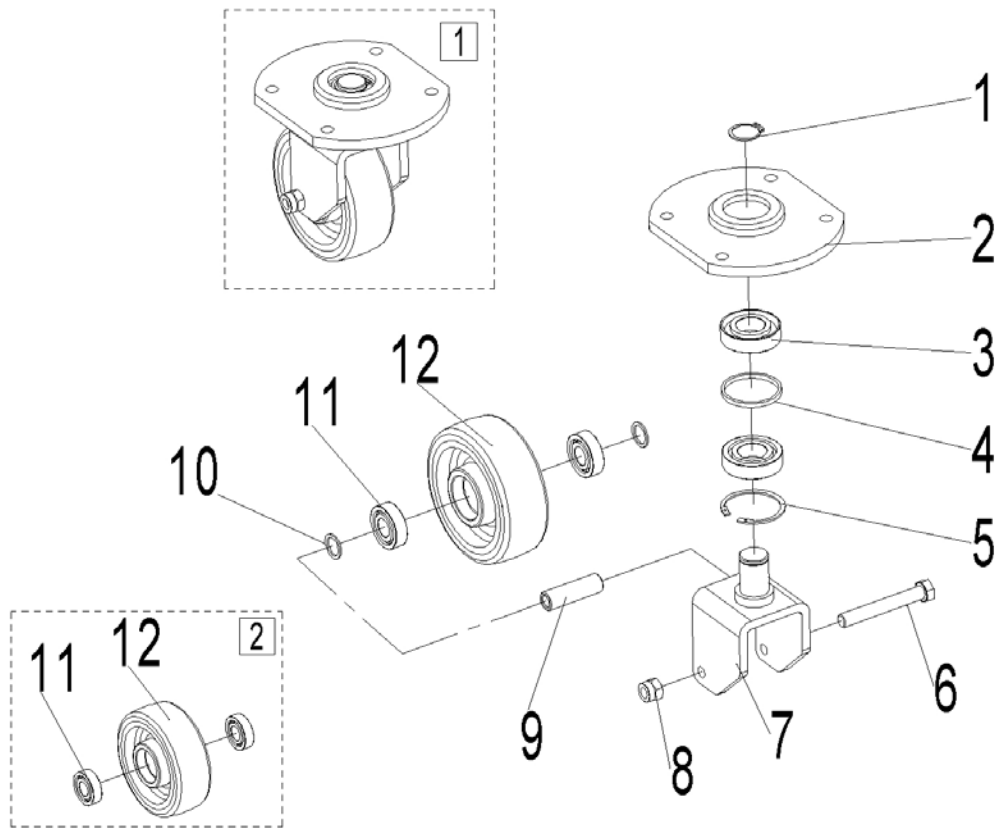
**Fig.11 Battery cover assembly**



**Fig.10 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	9000015947	Battery cover	1	
6	0000023306	Screw	1	M5×20
7	0000025015	Washer	1	5
8	0000025014	Washer	1	5

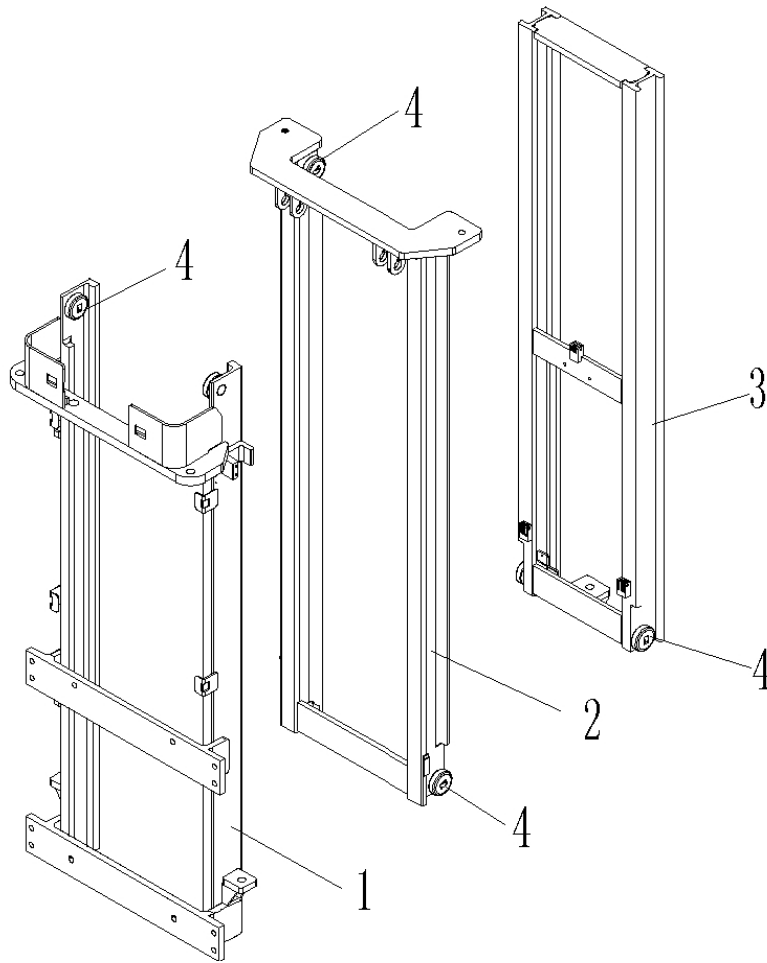
**Fig.12 Steering wheel assembly**



**Fig.11 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	

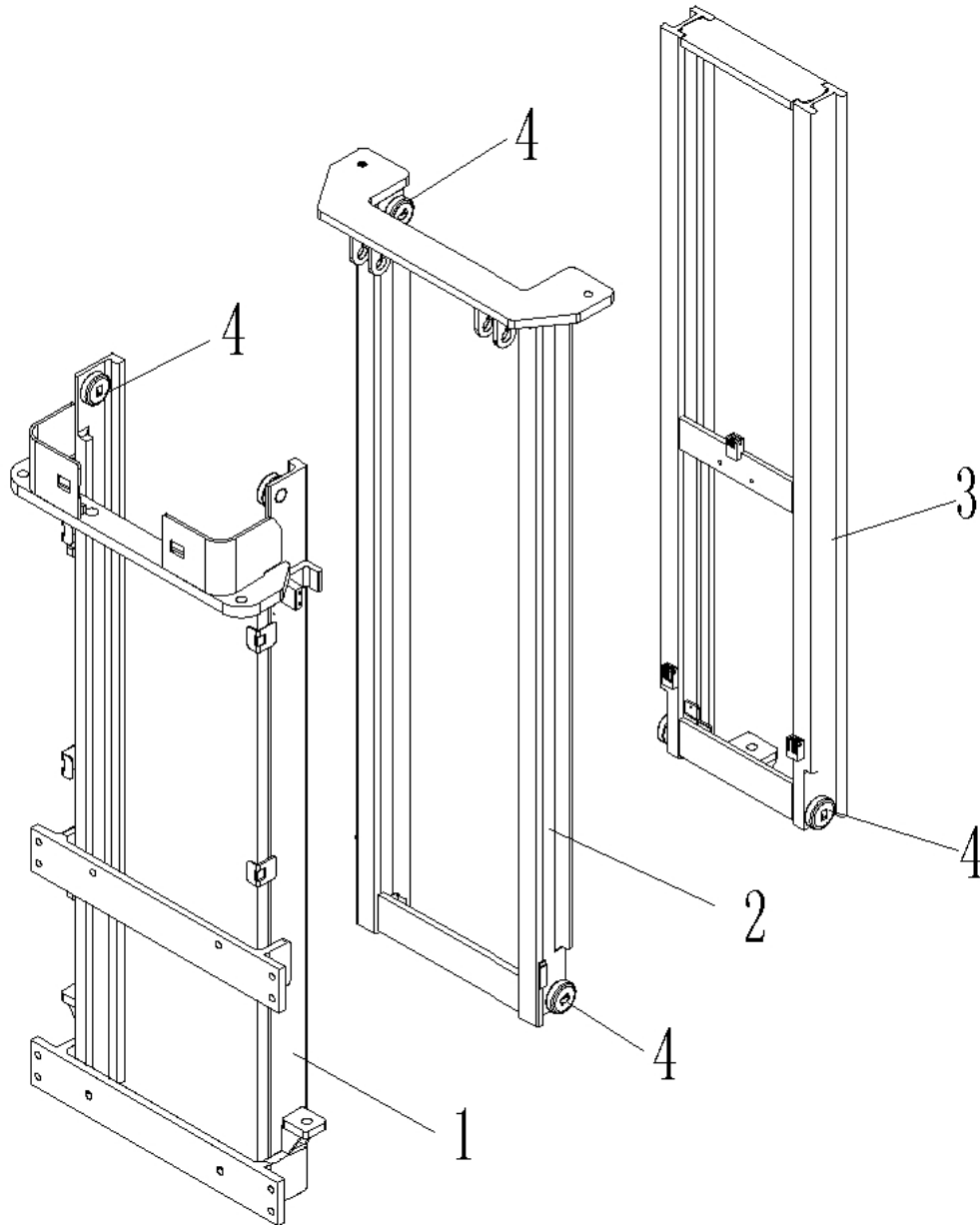
**Fig.13 Three-stage mast system (full free lift)**



**Fig.12 Three-stage Mast System(full free lift)**

No.	Art No.	Description	Qty.	Note
1	9000015981	Mast	1	4600
	9000015988	Mast	1	4300
	9000015993	Mast	1	4000
2	9000015983	Mast	1	4600
	9000015989	Mast	1	4300
	9000015994	Mast	1	4000
3	9000015984	Mast	1	4600
	9000015990	Mast	1	4300
	9000015995	Mast	1	4000
4	3500100004	Roller	8	

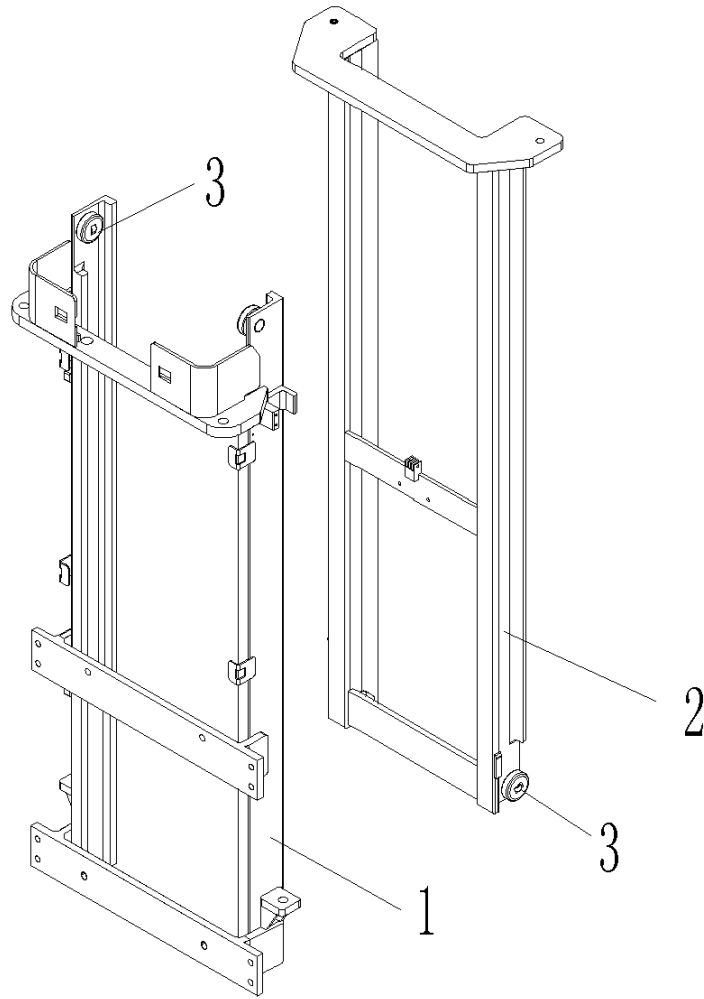
**Fig.14 Three-stage mast system(standard lift)**



**Fig.13 Three-stage Mast System(standard lift)**

No.	Art No.	Description	Qty.	Note
1	9000015939	Mast	1	4600
	9000015955	Mast	1	4300
2	9000015940	Mast	1	4600
	9000015956	Mast	1	4300
3	9000015941	Mast	1	4600
	9000015957	Mast		4300
4	3500100004	Roller	8	1

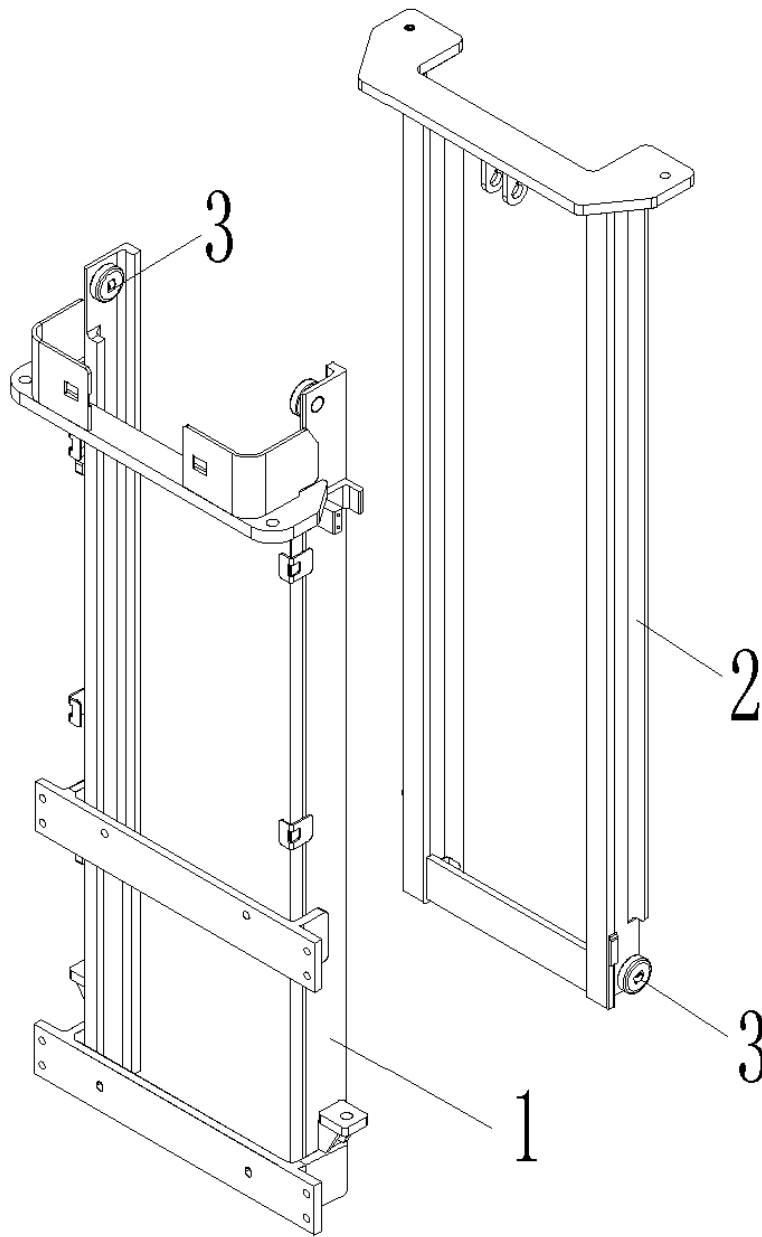
**Fig.15 Two-stage mast system(full free lift)**



**Fig.14 Two-stage Mast System(full free lift)**

No.	Art No.	Description	Qty.	Note
1	9000015863	Mast	1	3600
	9000015869	Mast	1	3200
	9000015874	Mast	1	2900
	9000015879	Mast	1	2700
2	9000015864	Mast	1	3600
	9000015870	Mast	1	3200
	9000015875	Mast	1	2900
	9000015880	Mast	1	2700
3	3500100004	Roller	4	1

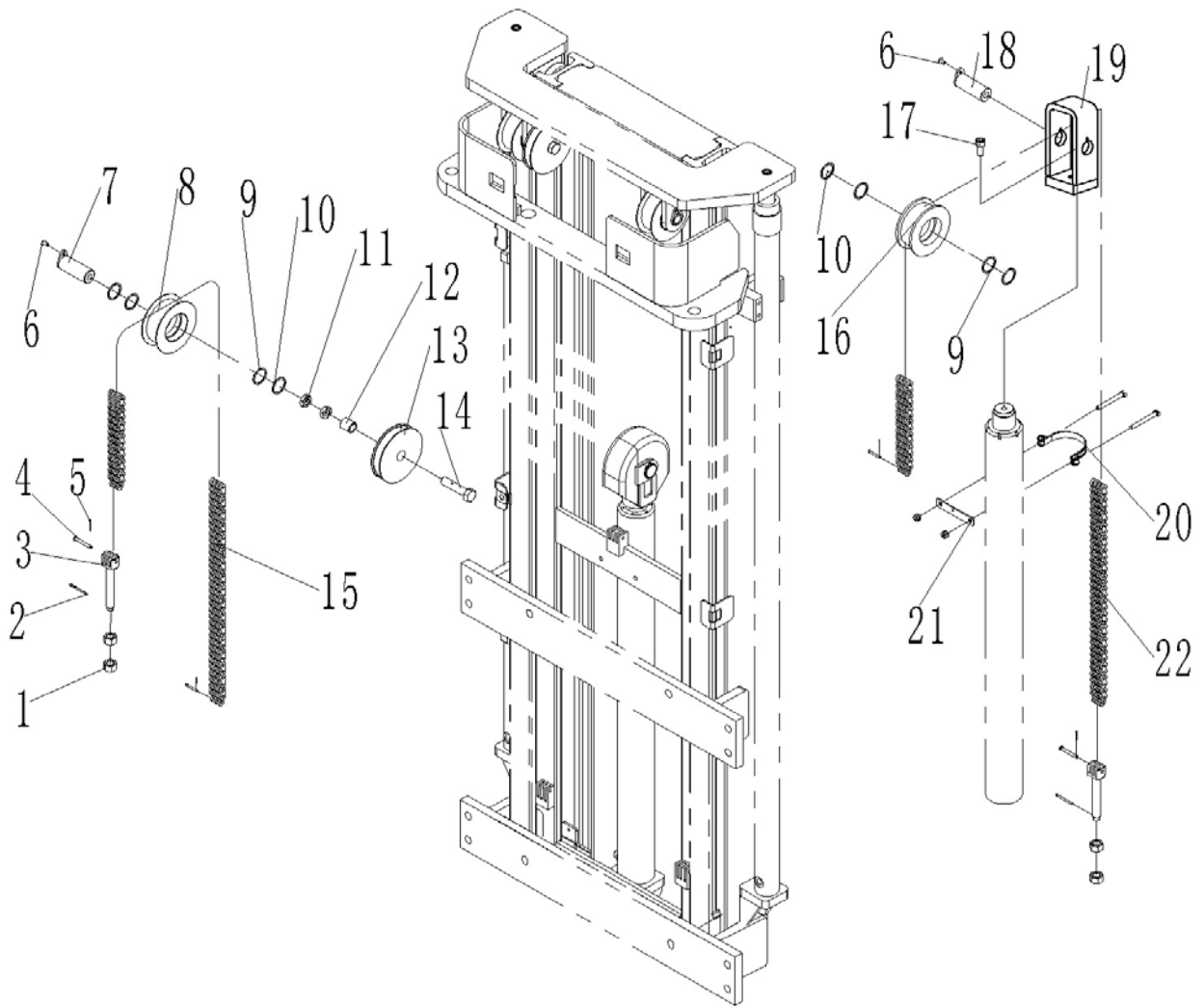
**Fig.16 Two-stage mast system(standard lift)**



**Fig.15 Two-stage Mast System(standard lift)**

No.	Art No.	Description	Qty.	Note
1	9000015813	Mast	1	3600
	9000015821	Mast	1	3200
	9000015825	Mast	1	2900
2	9000015814	Mast	1	3600
	9000015822	Mast	1	3200
	9000015826	Mast	1	2900
3	3500100004	Roller	4	1

Fig.17 Three-stage mast chain system(full free lift)

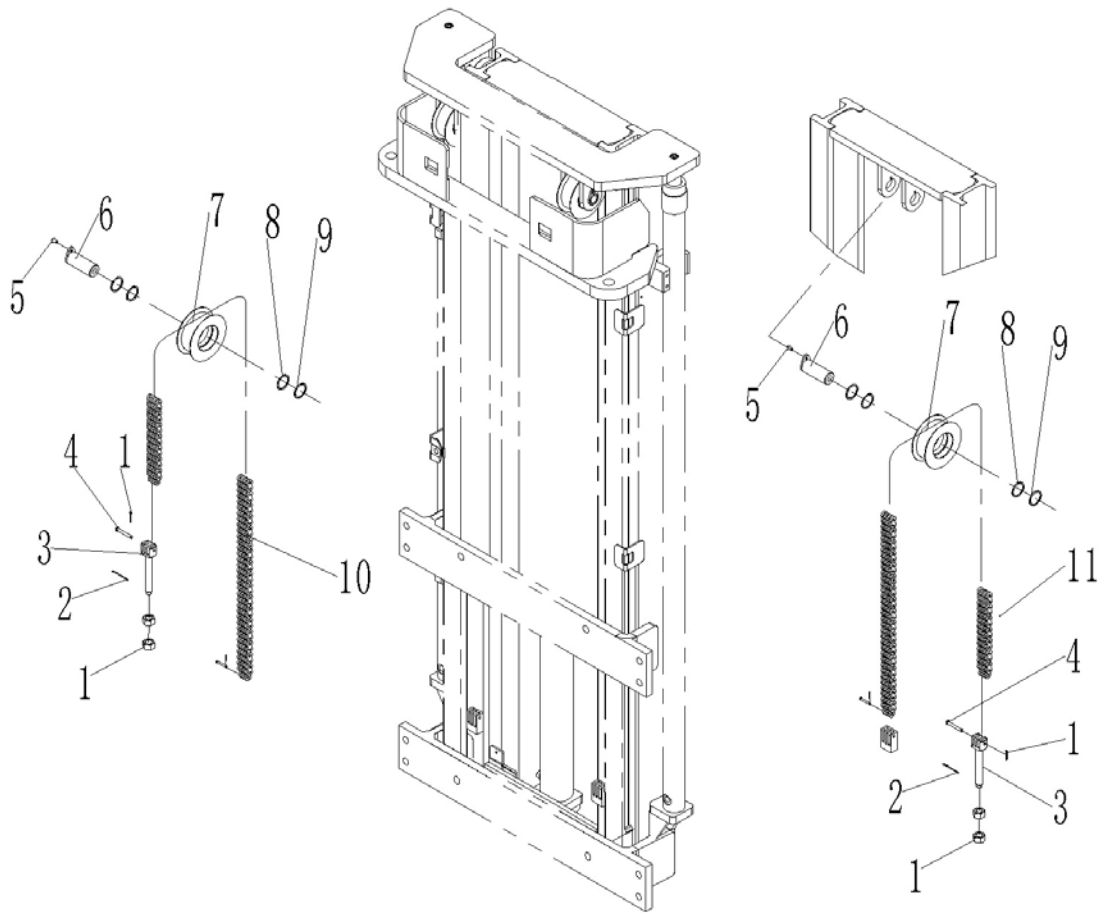




**Fig.16 Three-stage Mast Chain System(full free lift)**

No.	Art No.	Description	Qty.	Note
1	0090000442	Nut	6	M16x1.5
2	0000028011	Split pin	3	3x40
3	9000008260	Bolt	3	
4	0000028030	Short axle	6	6x45
5	0000028010	Split pin	6	2x20
6	0000023091	Screw	2	M6x12
7	9000009130	Chain wheel axle	2	
8	2390302024	Chain wheel for mast	2	
9	2000302002	Adjusting washer	6	(thickness 2)
10	9000015670	Adjusting washer	6	(thickness 4)
11	0000024010	Nut	2	M16
12	9000008245	Bearing bush	1	
13	9000008246	Pulley	1	
14	0000023123	Bolt	1	M16x70
15	0090000478	Chain LH1066x129	2	4600
	0000029070	Chain LH1066x123	2	4300
	0090000811	Chain LH1066x113	2	4000
16	9000015635	Chain wheel for mast	1	
17	0000023156	Screw	1	M12x25
18	9000015942	Chain wheel axle	1	
19	9000015829	Chain wheel seat	1	
20	9000009831	Hoop assembly	1	center distance 96
21	9000015319	Middle cylinder pad	1	
22	0090000847	Chain LH1266x69	1	4600
	0090000815	Chain LH1266x63	1	4300
	0090000810	Chain LH1266x55	1	4000

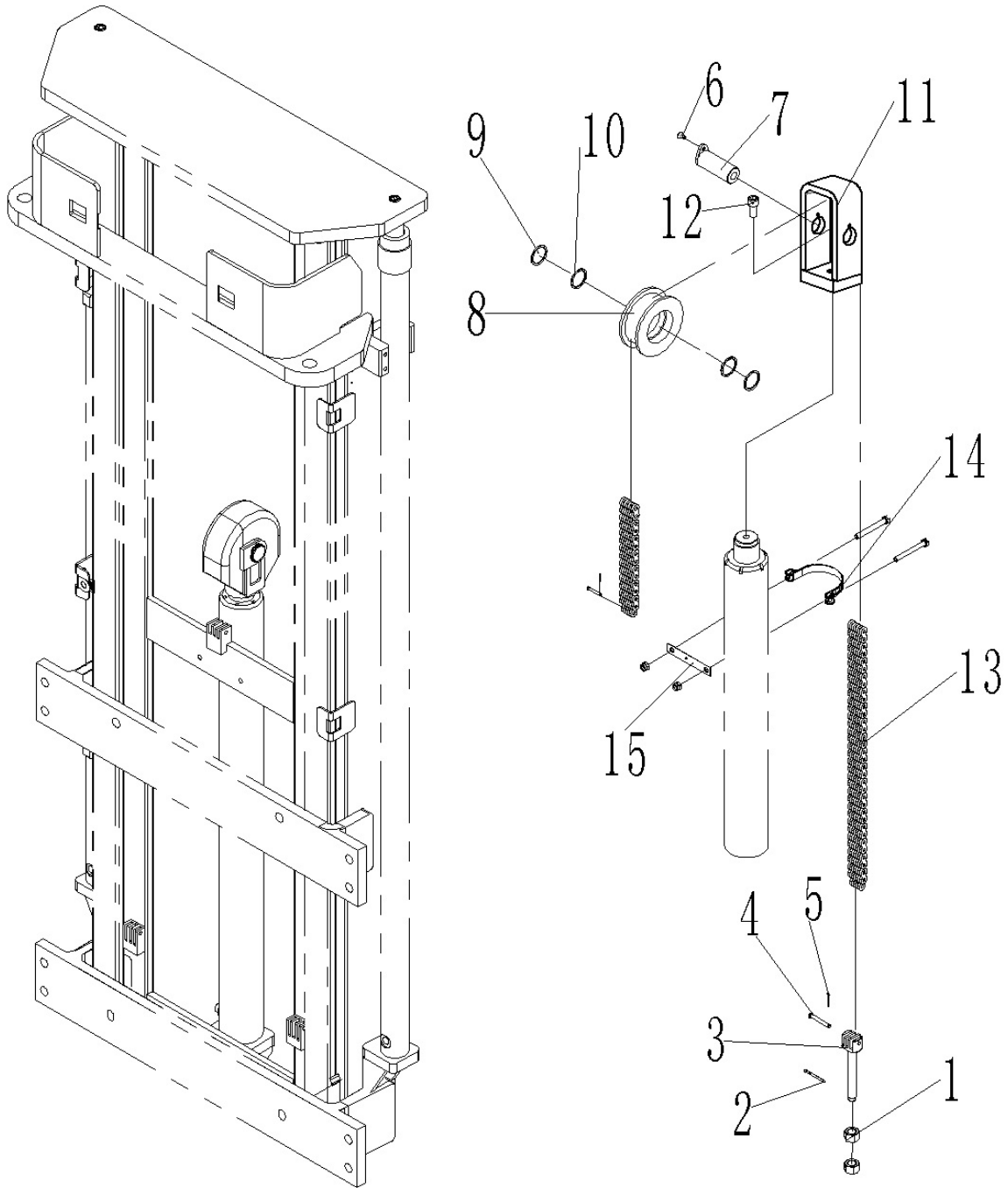
**Fig.18 Three-stage mast chain system(standard lift)**



**Fig.17 Three-stage mast chain system(standard lift)**

No.	Art No.	Description	Qty.	Note
1	0090000442	Nut	6	M16x1.5
2	0000028011	Split pin	9	3x40
3	9000015907	Bolt	3	
4	0000028030	Short axle	6	8x50
5	0000023091	Screw	3	M6x12
6	9000015942	Chain wheel axle	3	
7	9000015635	Chain wheel for mast	3	
8	2000302002	Adjusting washer	6	thickness 2
9	9000015670	Adjusting washer	6	thickness 4
10	0090000853	Chain LH1266x107	2	4600
	0090000852	Chain LH1266x101	2	4300
11	0090000618	Chain LH1266x105	1	4600
	0090000834	Chain LH1266x99	1	4300

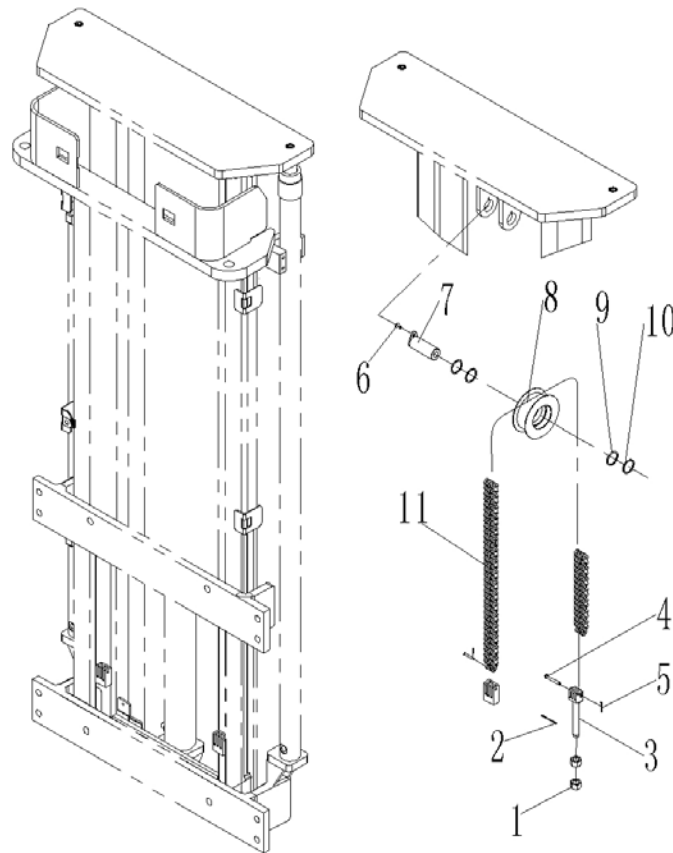
Fig.19 Two-stage mast chain system(full free lift)



**Fig.18 Two-stage Mast Chain System(full free lift)**

No.	Art No.	Description	Qty.	Note
1	0090000442	Nut	2	M16x1.5
2	0000028011	Split pin	1	3x40
3	9000008260	Bolt	1	
4	0000028030	Short axle	2	8x50
5	0000028010	Split pin	2	2x20
6	0000023091	Screw		M6x12
7	9000015942	Chain wheel axle		
8	2390302024	Circlip for axle	1	
9	2000302002	Adjusting washer	2	( thickness 2 )
10	9000015670	Adjusting washer	2	( thickness 4 )
11	9000015829	Chain wheel seat	1	
12	0000023156	Screw	1	M12x25
13	0090000812	Chain LH1266x67	1	3600
	0090000813	Chain LH1266x61	1	3200
	0090000814	Chain LH1266x57	1	2900
	0090000810	Chain LH1266x55	1	2700
14	9000009831	Hoop assembly	1	center distance 96
15	9000015319	Middle cylinder pad	1	

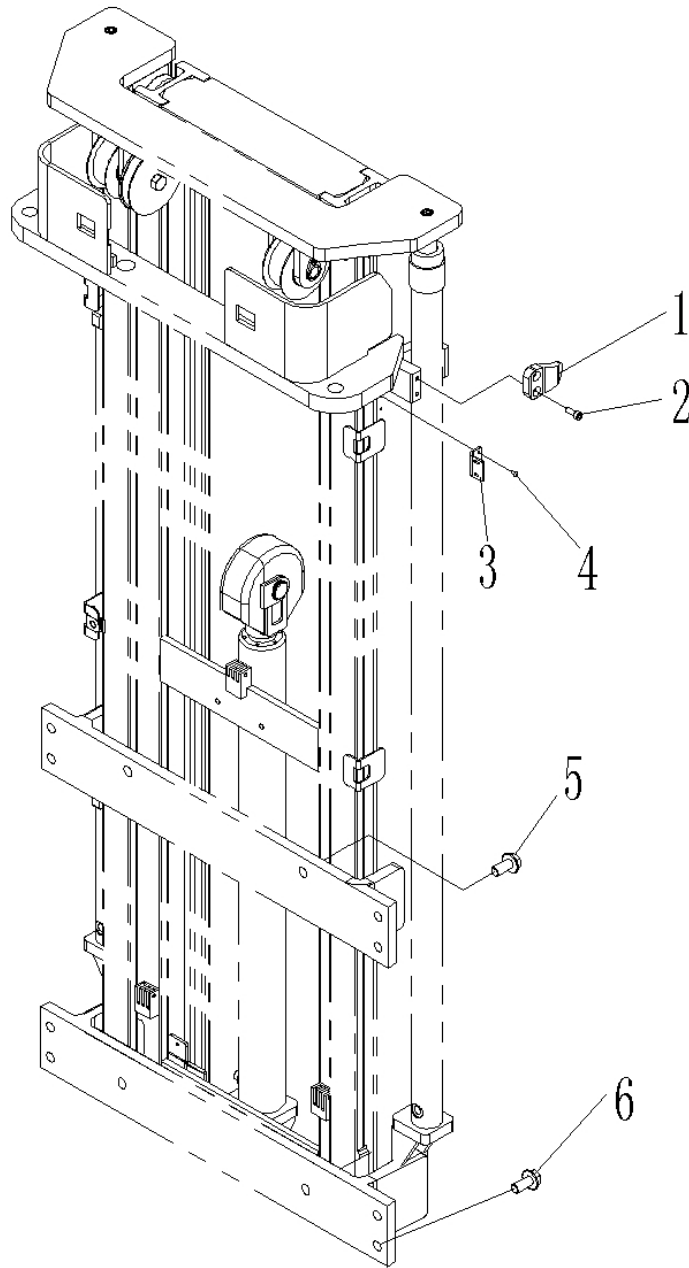
**Fig.20 Two-stage mast chain system(standard lift)**



**Fig.19 Two-stage Mast Chain System(standard lift)**

No.	Art No.	Description	Qty.	Note
1	0090000442	Nut	2	M16x1.5
2	0000028011	Split pin	2	3x40
3	9000008260	Bolt	2	
4	0000028030	Short axle	2	8x50
5	0000028010	Split pin	1	2x20
6	0000023091	Screw	1	M6x12
7	9000015942	Chain wheel axle	1	
8	2390302024	Chain wheel for mast	1	
9	2000302002	Adjusting washer	2	(thickness 2)
10	9000015670	Adjusting washer	2	(thickness 4)
11	0090000807	Chain LH1266x113	1	3600
	0090000808	Chain LH1266x103	1	3200
	0090000809	Chain LH1266x95	1	2900

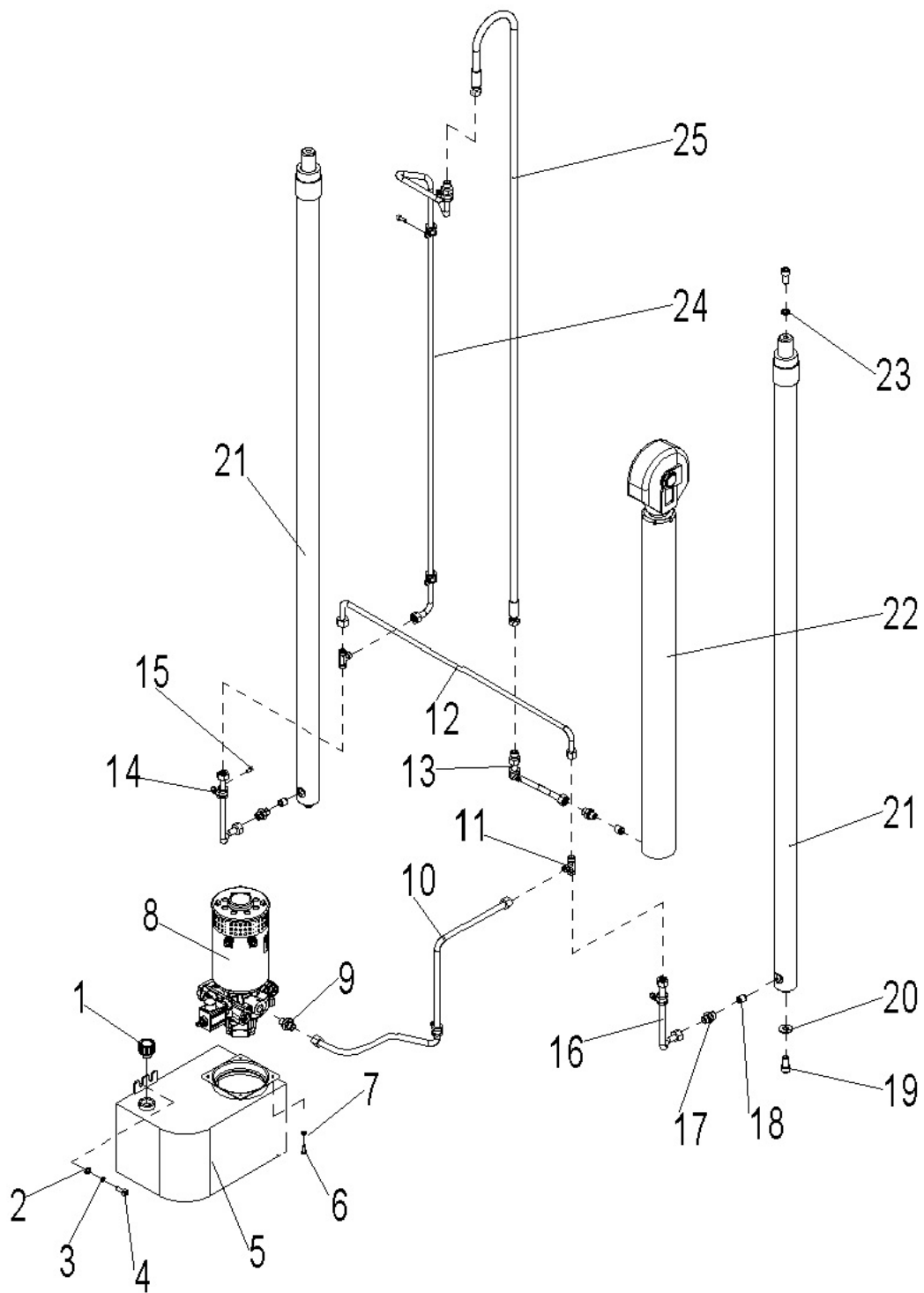
**Fig.21 Mast and other parts**



**Fig.20 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.22 Three-stage mast hydraulic system(full free lift)

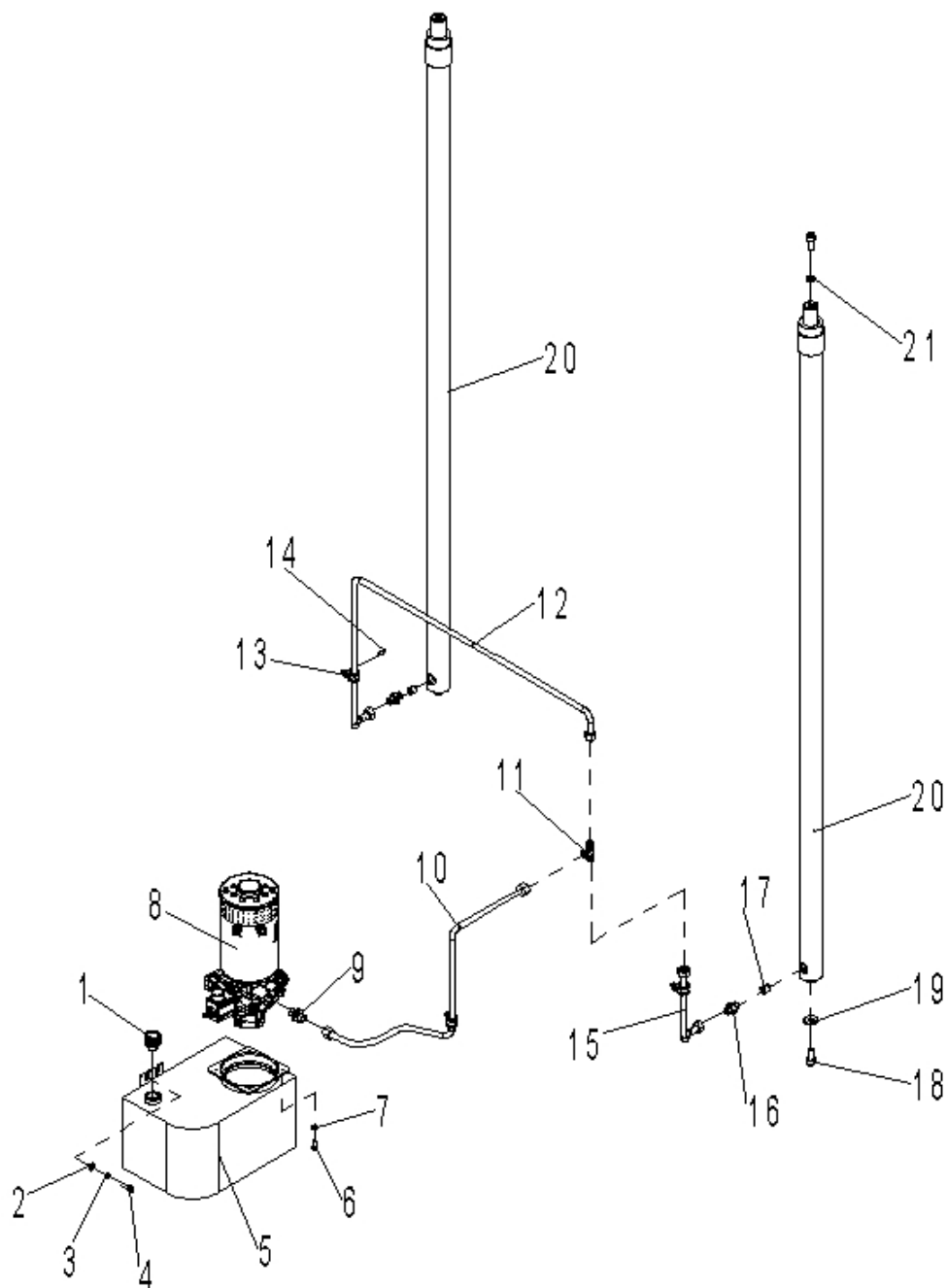


**Fig.21 Three-stage Mast Hydraulic System(full free lift)**

No.	Art No.	Description	Qty.	Note
1	2000303001	Air plug	1	
2	0000025011	Washer	2	8
3	0000025001	Washer	2	8
4	0000023044	Screw	2	M8x20
5	9000015438	Oil tank	1	
6	0090000025	Bolt	4	M6x16
7	0000025011	Washer	4	6
8	9000015649	DC hydraulic power unit	1	(without oil tank)
9	9000015645	G straight pipe joint	1	
10	9000015648	Special pipe assembly	1	
11	9000007846	Tee coupling	2	
12	9000015968	Connecting steel pipe	1	
13	9000015966	Middle cylinder steel tube	1	2
14	9000014895	YGE pipe clamp	3	
15	0000023604	Screw	3	M6x6
16	9000015923	Side tube	2	
17	9000007842	Straight pipe joint	3	
18	2000337001	Safety valve	3	
19	0000023094	Screw	4	M12x30
20	9000015320	Cylinder fixing pad	2	
21	9000015985	Outer cylinder	2	4600
	9000015991	Outer cylinder	2	4300
	9000015996	Outer cylinder	2	4000
22	9000015425	Middle cylinder	1	4600
	9000015449	Middle cylinder	1	4300
	9000015836	Middle cylinder	1	4000
23	0000025024	Washer	2	12
24	9000015967	Middle cylinder steel tube	1	4600
	9000015971	Middle cylinder steel tube	1	4300
	9000015978	Middle cylinder steel tube	1	4000
25	9000010286	Hydraulic hose assembly	1	
	9000010284	Hydraulic hose assembly	1	
	9000016324	Hydraulic hose assembly	1	



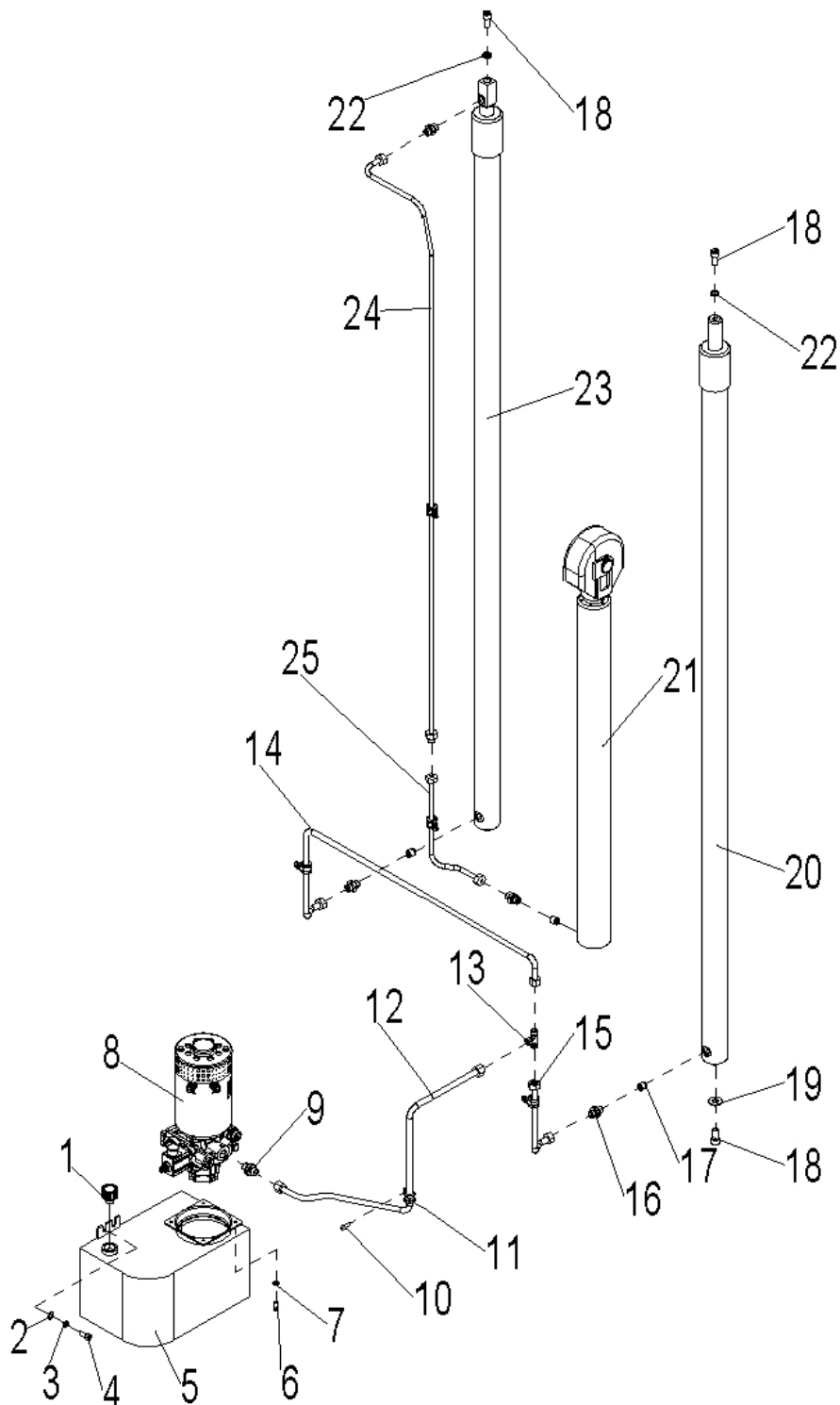
Fig.23 Three-stage mast hydraulic system(standard lift)



**Fig.22 Three-stage Mast Hydraulic System(standard lift)**

No.	Art No.	Description	Qty.	Note
1	2000303001	Air plug	1	
2	0000025011	Washer	2	8
3	0000025001	Washer	2	8
4	0000023044	Screw	2	M8x20
5	9000015438	Oil tank	1	
6	0090000025	Bolt	4	M6x16
7	0000025011	Washer	4	6
8	9000015649	DC hydraulic power unit	1	(without oil tank)
9	9000015645	G straight pipe joint	1	
10	9000015646	Special pipe assembly	1	
11	9000007846	Tee coupling	2	
12	9000015672	Connecting steel pipe	1	
13	9000014895	YGE pipe clamp	3	
14	0000023604	Screw	3	M6x6
15	9000015923	Side steel tube	1	
16	9000007842	Straight pipe joint	2	
17	2000337001	Safety valve	2	
18	0000023094	Screw	4	M12x30
19	9000015320	Cylinder fixing pad	2	
20	9000015943	Outer cylinder	2	4600
	9000015958	Outer cylinder	2	4300
21	0000025024	Washer	2	12

**Fig.24 Two-stage mast hydraulic system(full free lift)**

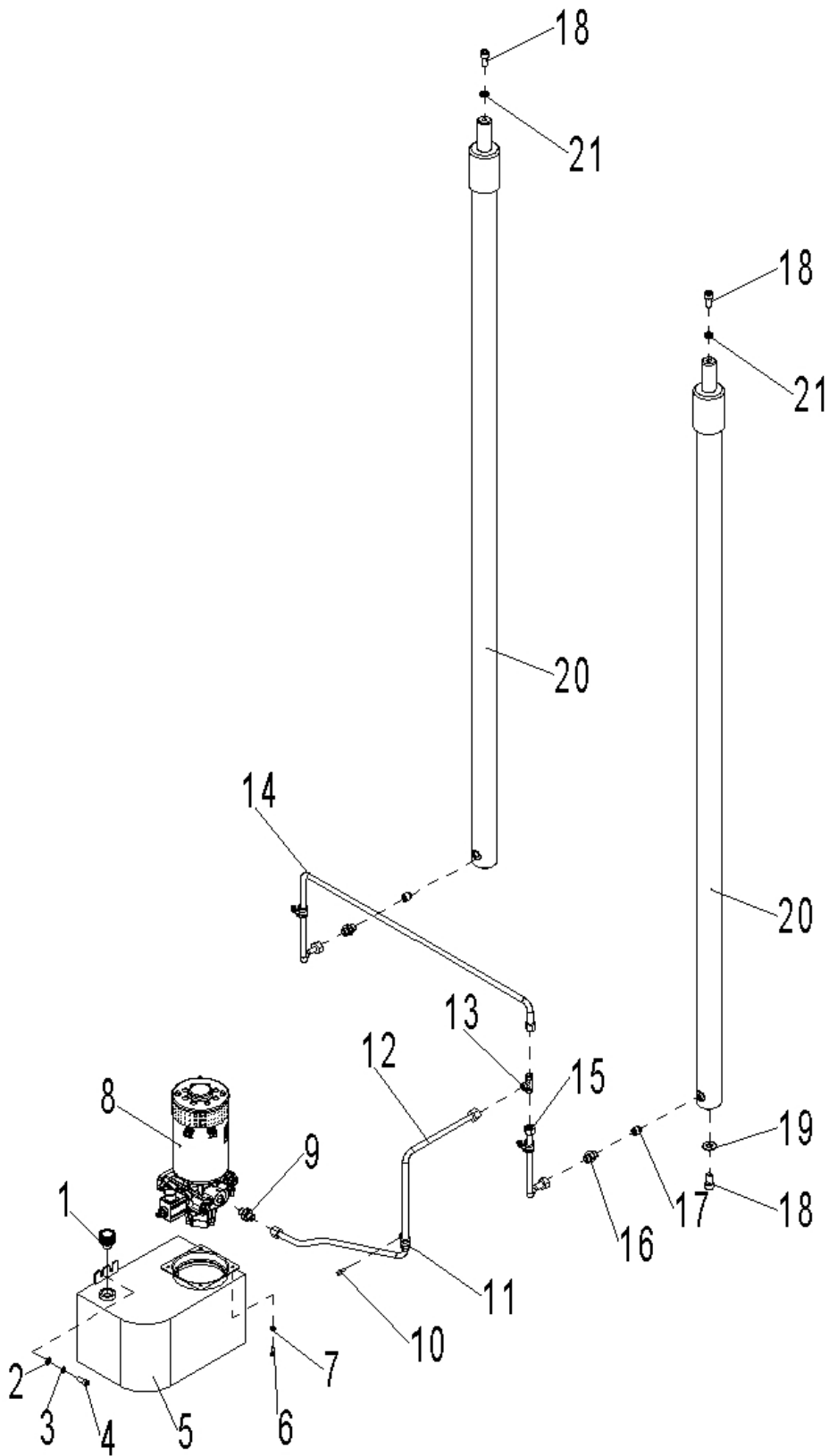


**Fig.23 Two-stage Mast Hydraulic System(full free lift)**

No.	Art No.	Description	Qty.	Note
1	2000303001	Air plug	1	
2	0000025011	Washer	2	8

3	0000025001	Washer	2	8
4	0000023044	Screw	2	M8x20
5	9000015438	Oil tank	1	
6	00900000025	Bolt	4	M6x16
7	0000025011	Washer	4	6
8	9000015649	DC hydraulic power unit	1	(without oil tank)
9	9000015645	G straight pipe joint	1	
10	0000023604	Screw	3	M6x6
11	9000014895	YGE pipe clamp	3	
12	9000015648	Special pipe assembly	1	
13	9000007846	Tee coupling	2	
14	9000015672	Connecting steel pipe	1	
15	9000015923	Side steel pipe	1	
16	9000007842	Straight pipe joint	2	
17	2000337001	Safety valve	2	
18	0000023094	Screw	4	M12x30
19	9000015320	Cylinder fixing pad	2	
20	9000015865	Right outer cylinder	1	3600
	9000015871	Right outer cylinder	1	3200
	9000015876	Right outer cylinder	1	2900
	9000015881	Right outer cylinder	1	2700
21	9000015235	Middle cylinder	1	3600
	9000015250	Middle cylinder	1	3200
	9000015259	Middle cylinder	1	2900
	9000015836	Middle cylinder	1	2700
22	0000025024	Washer	2	12
23	9000015866	Left outer cylinder	1	3600
	9000015872	Left outer cylinder	1	3200
	9000015877	Left outer cylinder	1	2900
	9000015882	Left outer cylinder	1	2700
24	9000015838	Middle cylinder steel pipe	1	
25	9000015842	Middle cylinder steel pipe 2	1	
	9000015847	Middle cylinder steel pipe 2	1	
	9000015852	Middle cylinder steel pipe 2	1	
	9000015857	Middle cylinder steel pipe 2	1	

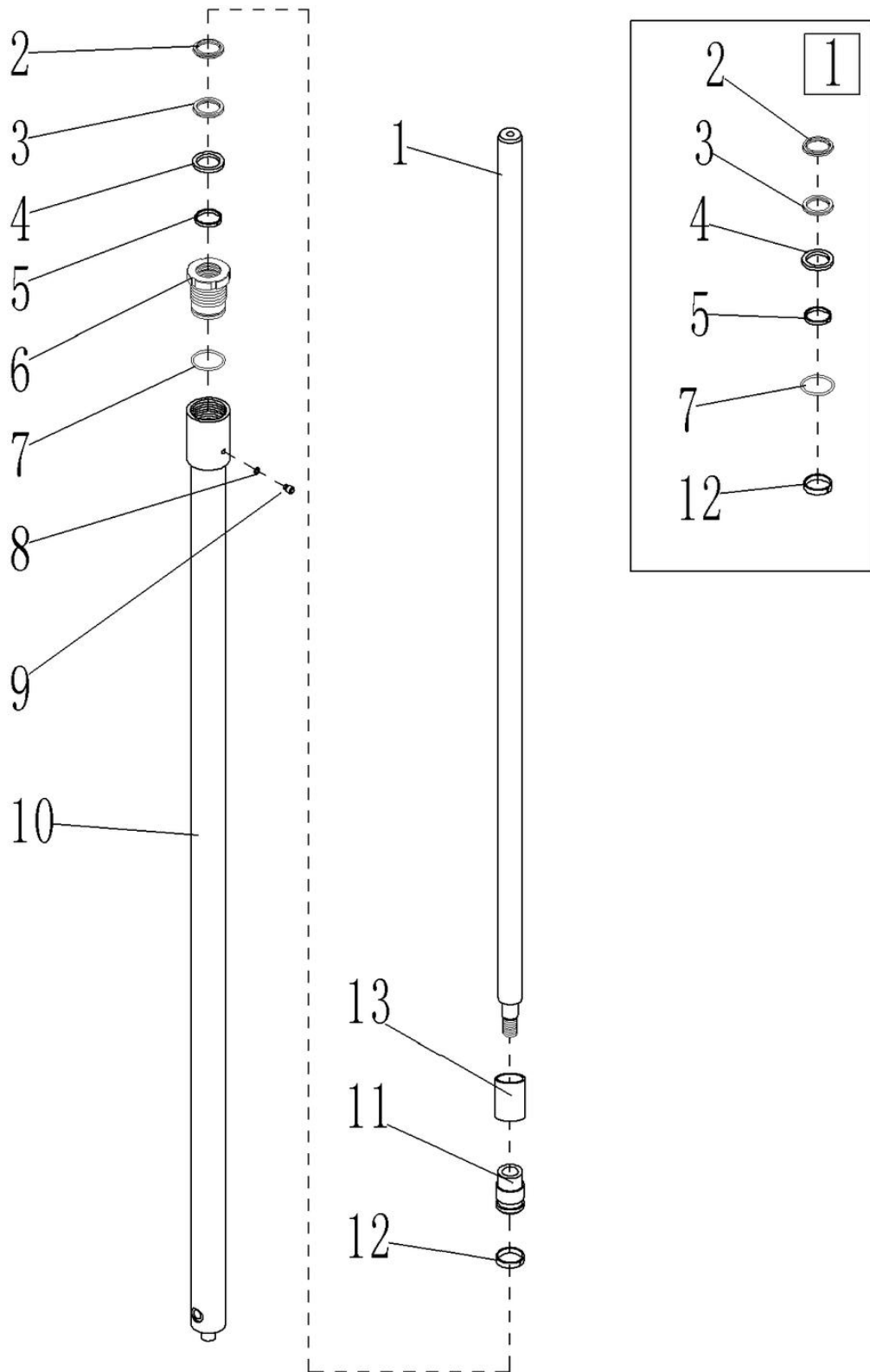
Fig.25 Two-stage mast hydraulic system(standard lift)



**Fig.24 Two-stage Mast Hydraulic System(standard lift)**

No.	Art No.	Description	Qty.	Note
1	2000303001	Air plug	1	
2	0000025011	Washer	2	8
3	0000025001	Washer	2	8
4	0000023044	Screw	2	M8x20
5	9000015438	Oil tank	1	
6	0090000025	Bolt	4	M6x16
7	0000025011	Washer	4	6
8	9000015649	DC hydraulic power unit	1	(without oil tank)
9	9000015645	G straight pipe joint	1	
10	0000023604	Screw	3	M6x6
11	9000014895	YGE pipe clamp	3	
12	9000015648	Special pipe assembly	1	
13	9000007846	Tee coupling	2	
14	9000015672	Connecting steel pipe	1	
15	9000015923	Side steel pipe	1	
16	9000007842	Straight pipe joint	2	
17	2000337001	Safety valve	2	
18	0000023094	Screw	4	M12x30
19	9000015320	Cylinder fixing pad	2	
20	9000015815	Outer cylinder	2	3600
	9000015823	Outer cylinder	2	3200
	9000015827	Outer cylinder	2	2900
21	0000025024	Washer	2	12

Fig.26 Three-stage mast outer cylinder assembly(full free lift)

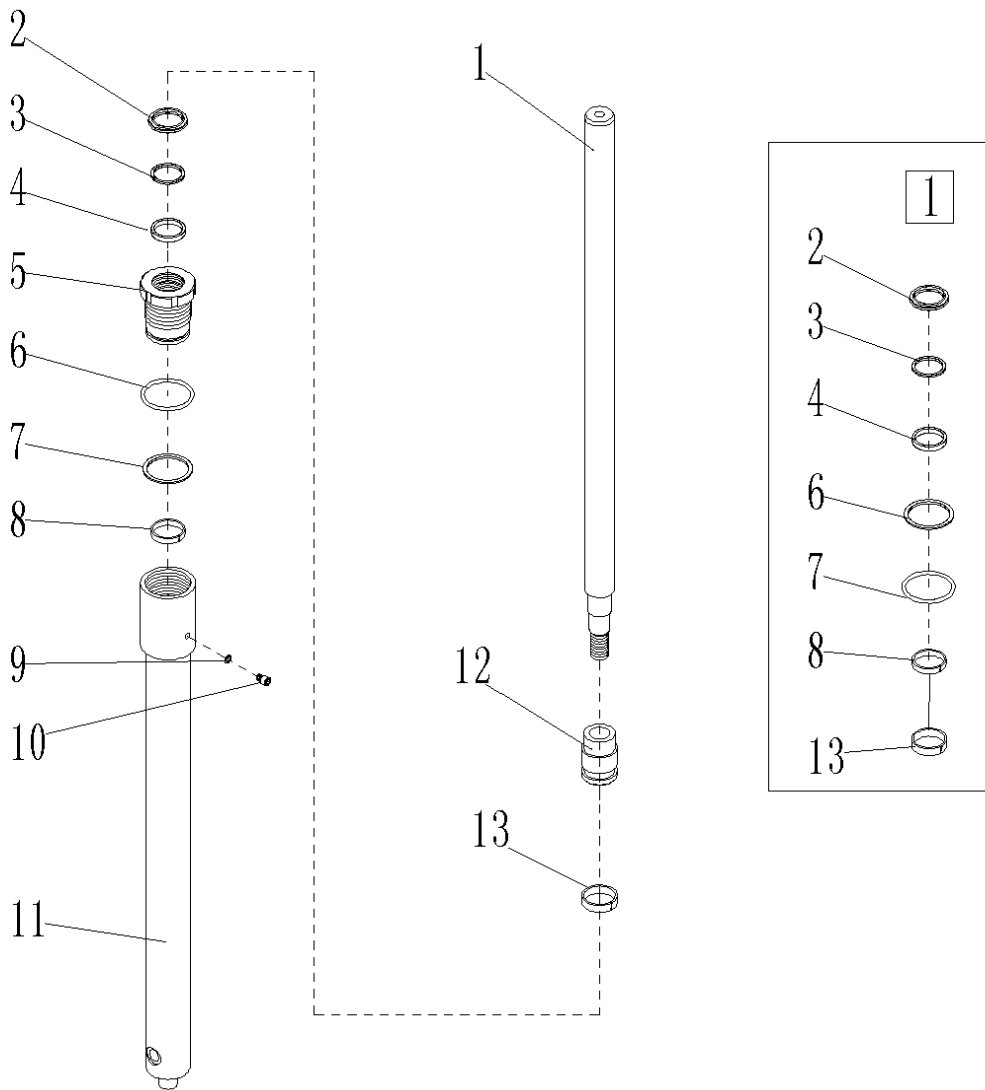


**Fig.25 Three-stage Mast outer Cylinder Assembly(full free lift)**

No.	Art No.	Description	Qty.	Note
1	9000015962	Piston rod	1	4600
	9000015969	Piston rod	1	4300
	9000015974	Piston rod	1	4000
2	9000009926	Dust ring	1	40x48x5/6.5
3	9000009170	Y ring	1	
4	9000015671	Seal ring	1	40x50.7x4.2
5	9000015668	Supporting ring	1	40x44x15
6	9000015963	Cylinder cover	1	
7	9000015660	O ring	1	49.4x3.1
8	0000022026	Combined seal washer	1	8
9	0000023415	Screw	1	M8x10
10	9000015964	Cylinder barrel	1	4600
	9000015970	Cylinder barrel	1	4300
	9000015975	Cylinder barrel	1	4000
11	9000015965	Piston	1	
12	9000015661	Supporting ring	1	40x45x10
13	9000016327	Adjusting sleeve	1	
①	9000016329	Outer cylinder seal assembly	1	



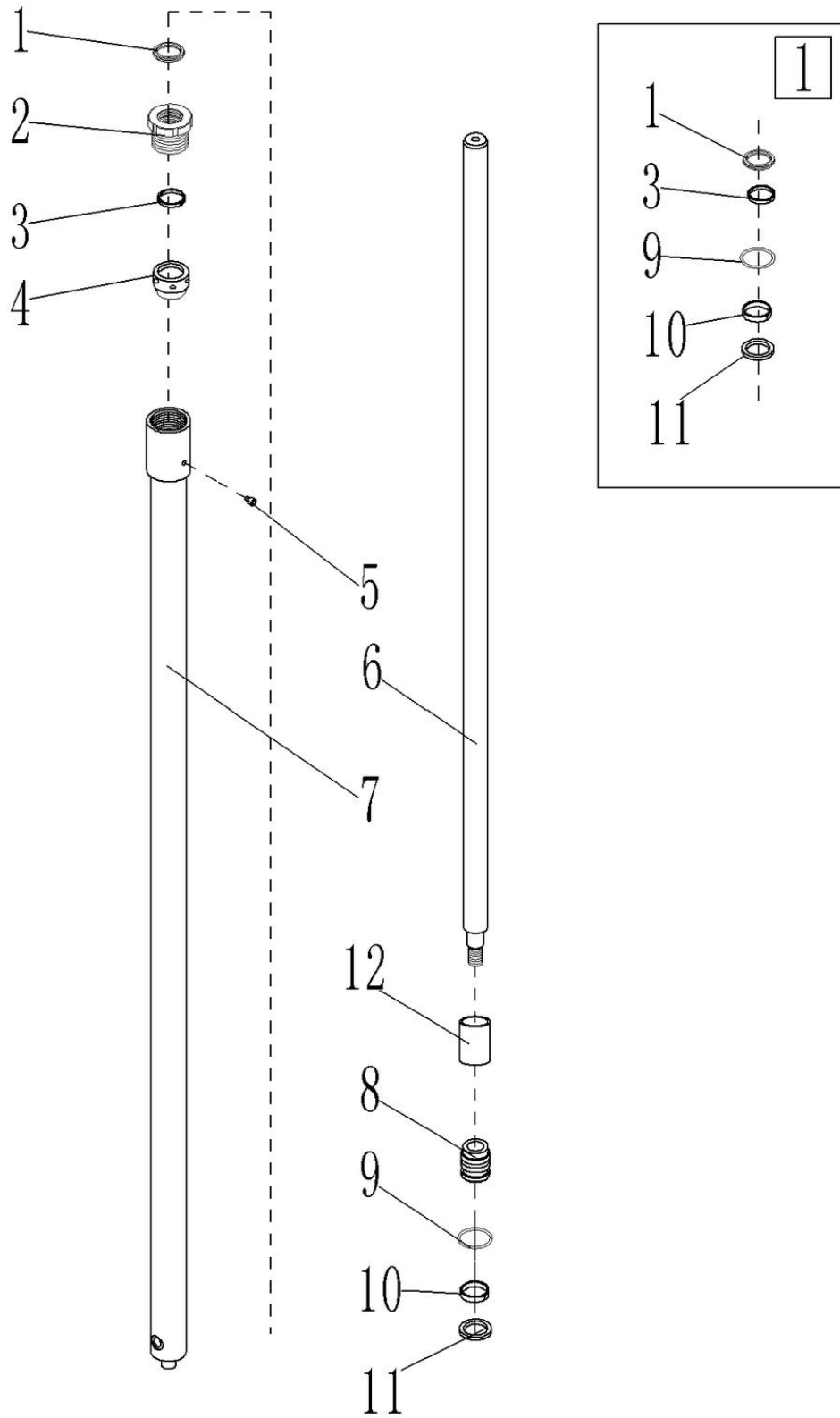
**Fig.27 Three-stage mast middle cylinder assembly(full free lift)**



**Fig.26 Three-stage Mast middle Cylinder Assembly(full free lift)**

No.	Art No.	Description	Qty.	Note
1	9000015323	Piston rod	1	4600
	9000015386	Piston rod	1	4300
	9000016470	Piston rod	1	4000
2	9000015662	Dust ring	1	56x64x5/6.5
3	9000015663	Stop collar	1	56x66x2
4	9000010181	Seal ring	1	56x66x10/11
5	9000015322	End cover	1	
6	9000015664	O ring	1	64.4x3.1
7	9000015665	Stop collar	1	65x70x1.25
8	9000015666	Supporting ring	1	56x60x9.7
9	0000022026	Combined sealing washer	1	8
10	0000023415	Screw	1	M8x10
11	9000015324	Cylinder barrel	1	4600
	9000015387	Cylinder barrel	1	4300
	9000016471	Cylinder barrel	1	4000
12	9000015325	Piston	1	
13	9000015667	Supporting ring	1	58x63x9.7
①	9000015674	Middle cylinder seal assembly	1	

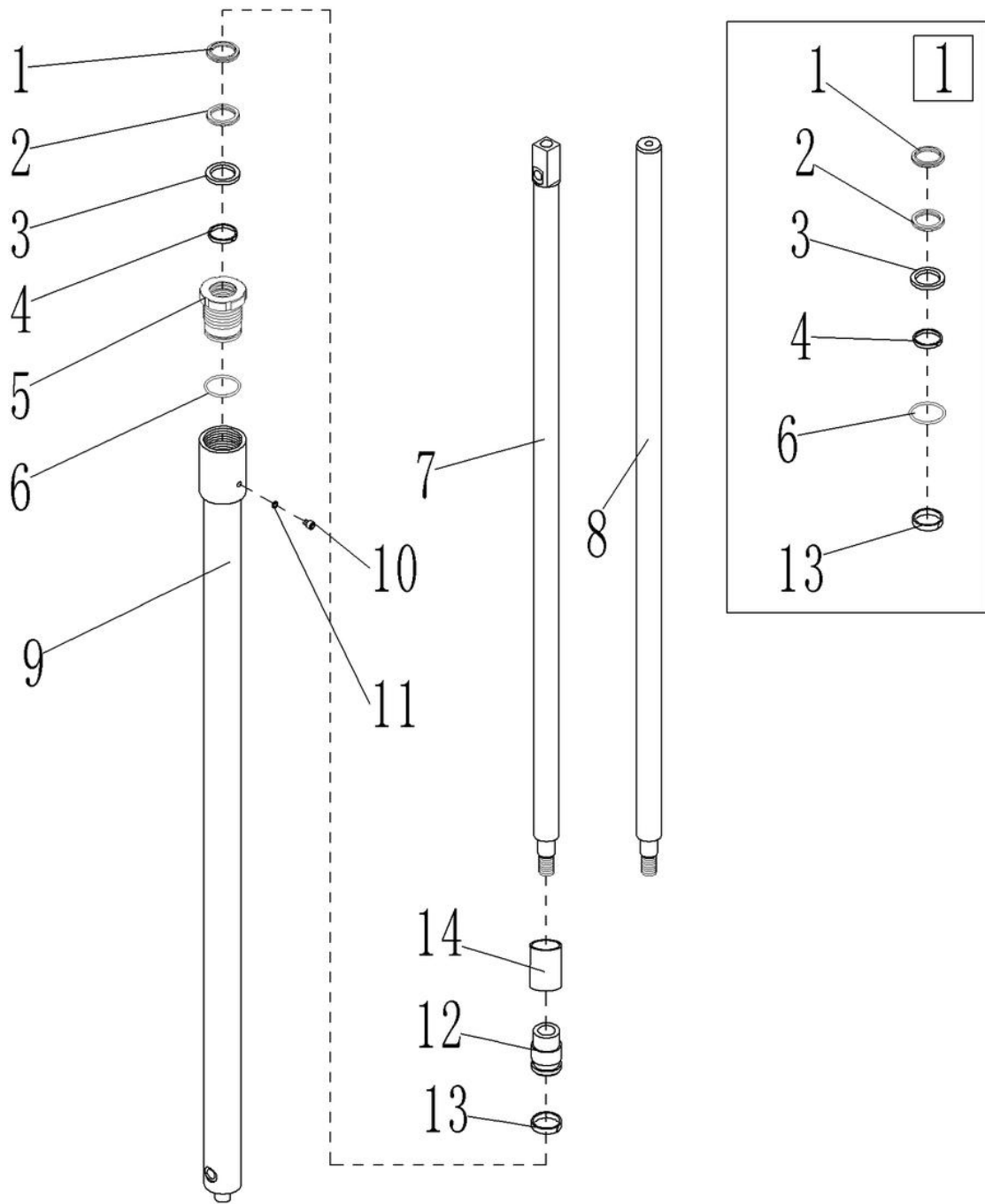
Fig.28 Three-stage mast outer cylinder assembly(standard lift)



**Fig.27 Three-stage Mast outer Cylinder Assembly(standard lift)**

No.	Art No.	Description	Qty.	Note
1	9000009926	Dust ring	1	40X48X5/6.5
2	9000009183	Blind nut	1	
3	9000015668	Supporting ring	1	40X44X15
4	9000009184	Spacer bush	1	
5	0090000827	Screw		Rc1/8
6	9000015909	Piston rod	1	4600
	9000015932	Piston rod	1	4300
7	9000015910	Cylinder barrel	1	4600
	9000015933	Cylinder barrel	1	4300
8	9000015912	Piston	1	
9	9000016328	O ring	1	44.4x3.1
10	9000009182	Supporting ring	1	46X50X15
11	9000009178	Y ring	1	40X50X6/7
12	9000015911	Limit sleeve		
①	9000016330	Outer cylinder seal assembly	1	

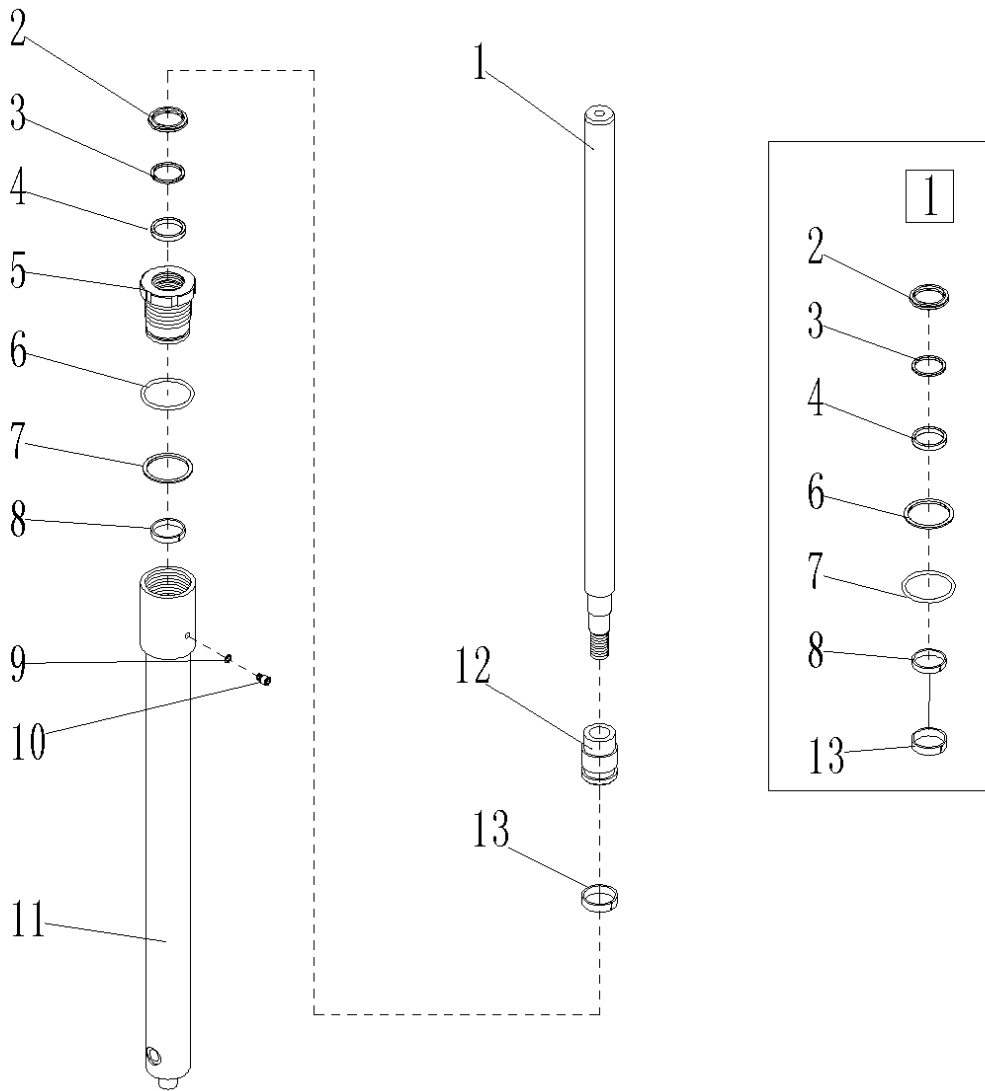
Fig.29 Two-stage mast outer cylinder assembly(full free lift)



**Fig.28 Two-stage Mast outer Cylinder Assembly(full free lift)**

No.	Art No.	Description	Qty.	Note
1	9000015669	Dust ring	1	28x36x4.5/6
2	9000009708	Seal ring	1	28x35.5x5/5.7
3	9000009710	Seal ring	1	28x38.7x4.2
4	9000009711	Supporting ring	1	28x32x10
5	9000015238	Cylinder cover	1	
6	9000015660	O ring	1	49.4x3.1
7	9000015839	Piston rod	1	3600 left cylinder
	9000015845	Piston rod	1	3200 left cylinder
	9000015850	Piston rod	1	2900 left cylinder
	9000015855	Piston rod	1	2700 left cylinder
8	9000015866	Piston rod	1	3600 right cylinder
	9000015848	Piston rod	1	3200 right cylinder
	9000015853	Piston rod	1	2900 right cylinder
	9000015859	Piston rod	1	2700 right cylinder
9	9000015841	Cylinder barrel	1	3600
	9000015846	Cylinder barrel	1	3200
	9000015851	Cylinder barrel	1	2900
	9000015856	Cylinder barrel	1	2700
10	0000022026	Combined sealing washer	1	8
11	0000023415	Screw	1	M8x10
12	9000015225	Piston	1	
13	9000015661	Supporting ring	1	40x45x10
14	9000015841	Adjusting sleeve	1	
①	9000016331	Outer cylinder seal assembly	1	

**Fig.30 Two-stage mast middle cylinder assembly(full free lift)**

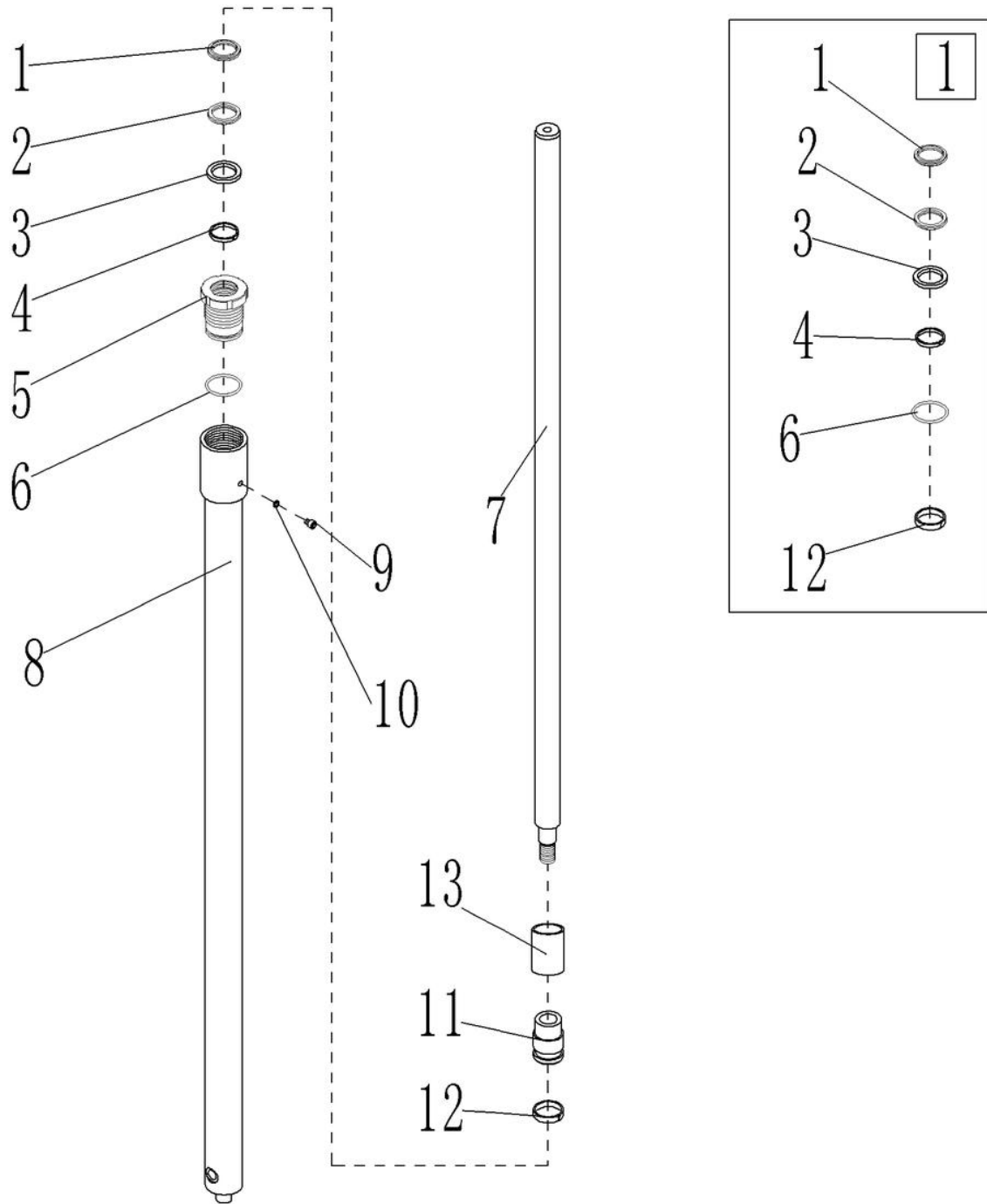


**Fig.29 Two-stage Mast middle Cylinder Assembly(full free lift)**

No.	Art No.	Description	Qty.	Note
1	9000015223	Piston rod	1	3600
	9000015226	Piston rod	1	3200
	9000015260	Piston rod	1	2900
	9000016470	Piston rod	1	2100
2	9000015662	Dust ring	1	56x64x5/6.5
3	9000015663	Stop collar	1	56x66x2
4	9000010181	Seal ring	1	56x66x10/11
5	9000015322	End cap	1	
6	9000015664	O ring	1	64.4x3.1
7	9000015665	Stop collar	1	65x70x1.25
8	9000015666	Supporting ring	1	56x60x9.7
9	0000022026	Combined sealing washer	1	8
10	0000023415	Screw	1	M8x10
11	9000015236	Cylinder barrel	1	3600
	9000015251	Cylinder barrel	1	3200
	9000015261	Cylinder barrel	1	2900
	9000016471	Cylinder barrel	1	2700
12	9000015325	Piston	1	
13	9000015667	Supporting ring	1	58x63x9.7
①	9000015677	Middle cylinder seal assembly	1	



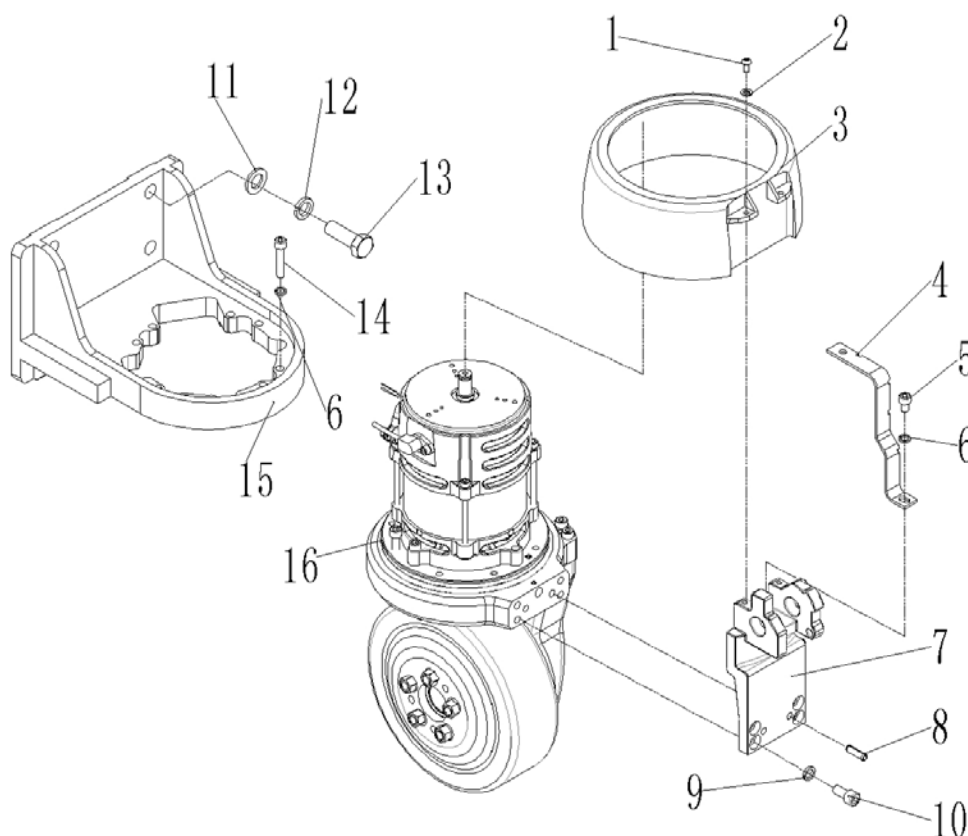
Fig.31 Two-stage mast outer cylinder assembly(standard lift)



**Fig.30 Two-stage Mast outer Cylinder Assembly(standard lift)**

No.	Art No.	Description	Qty.	Note
1	9000009926	Dust ring	1	40x48x5/6.5
2	9000009170	Y ring	1	
3	9000015671	Seal ring	1	40x50.7x4.2
4	9000009927	Supporting ring	1	40X44X10
5	9000015181	Cylinder cover	1	
6	9000015660	O ring	1	49.4x3.1
7	9000015795	Piston rod	1	3600
	9000015799	Piston rod	1	3200
	9000015806	Piston rod	1	2900
8	9000015796	Cylinder barrel	1	3600
	9000015800	Cylinder barrel	1	3200
	9000015807	Cylinder barrel	1	2900
9	0000023415	Screw	1	M8x10
10	0000022026	Combined sealing washer	1	8
11	9000015225	Piston	1	
12	9000015661	Supporting ring		40x45x10
13	9000015797	Adjusting sleeve		
①	9000016332	Outer cylinder seal assembly	1	

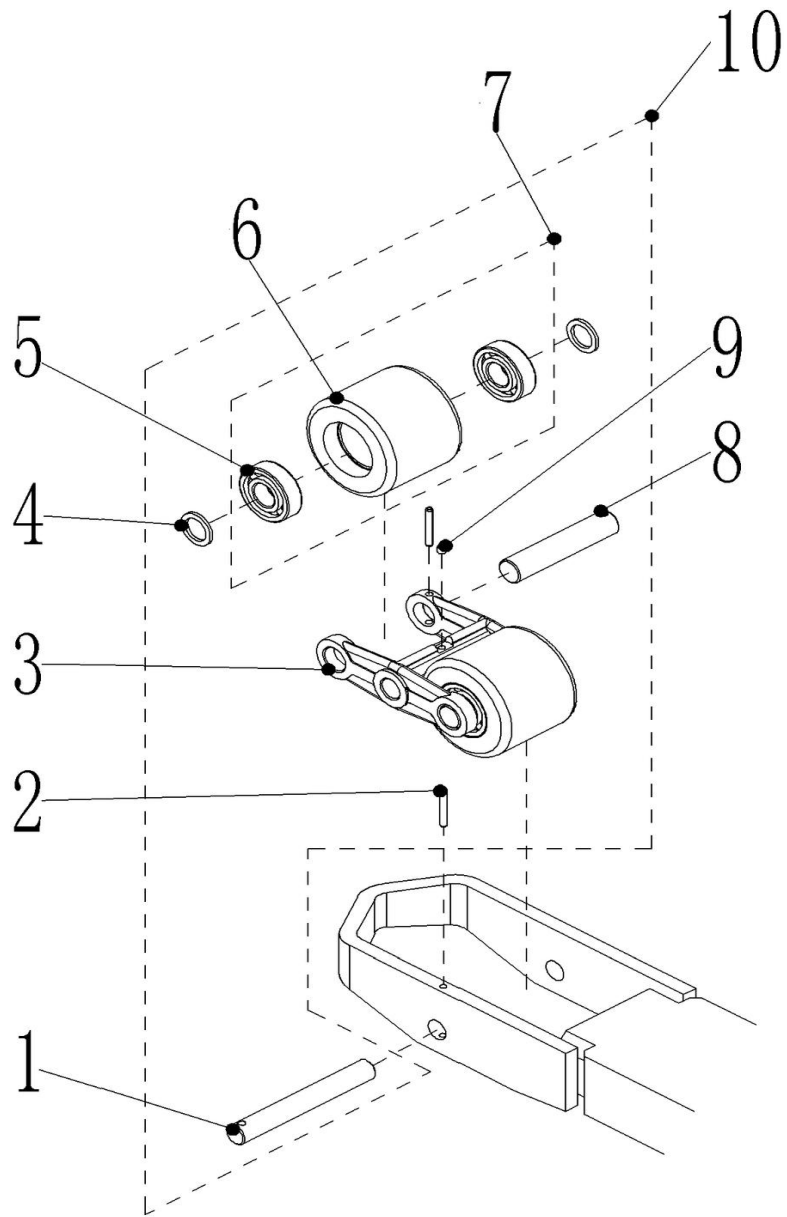
**Fig.32 Drive system assembly**



**Fig.31 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	2520504001	AC vertical drive assembly	1	

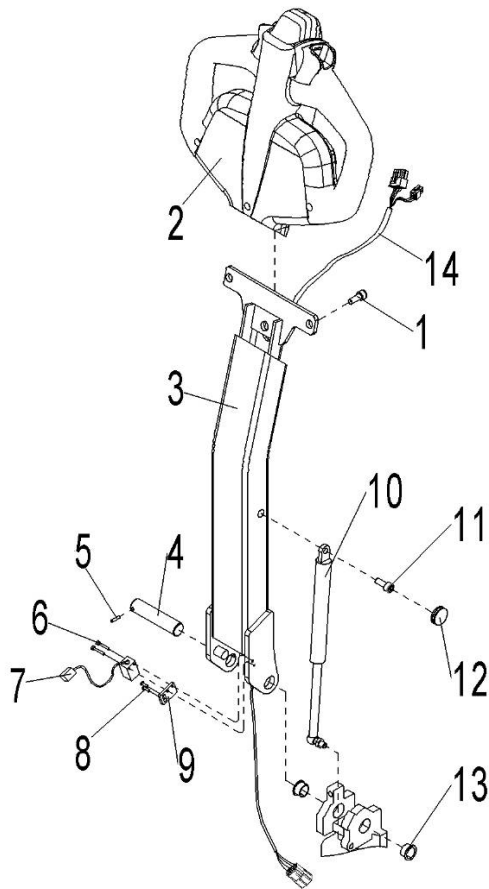
Fig.33 Load wheel assembly



**Fig.32 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	

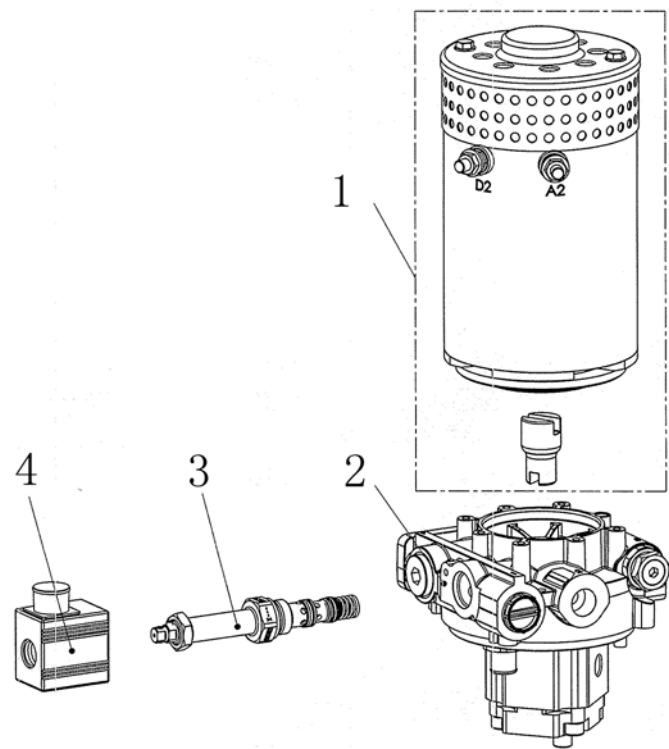
**Fig.34 Handle assembly**



**Fig.33 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	Proximity switch	1	NBN5-F7-E2
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	

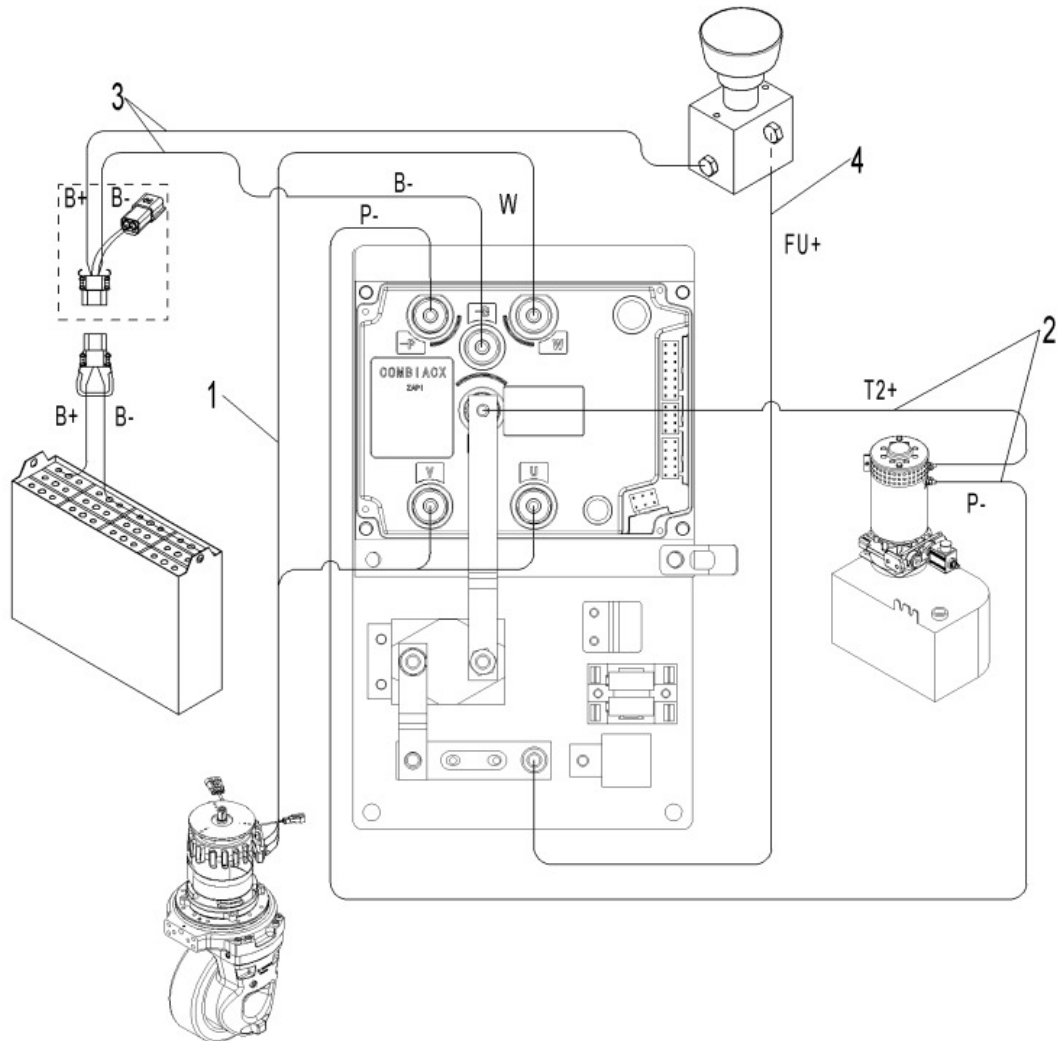
**Fig.35 Pump system**



**Fig.34 Pump System**

No.	Art No.	Description	Qty.	Note
1	9000015637	Motor	1	3.2KW
2	9000015638	Centre valve	1	
3	9000015639	Solenoid valve core	1	
4	9000015640	Coil	1	

**Fig.36 Main circuit harness**

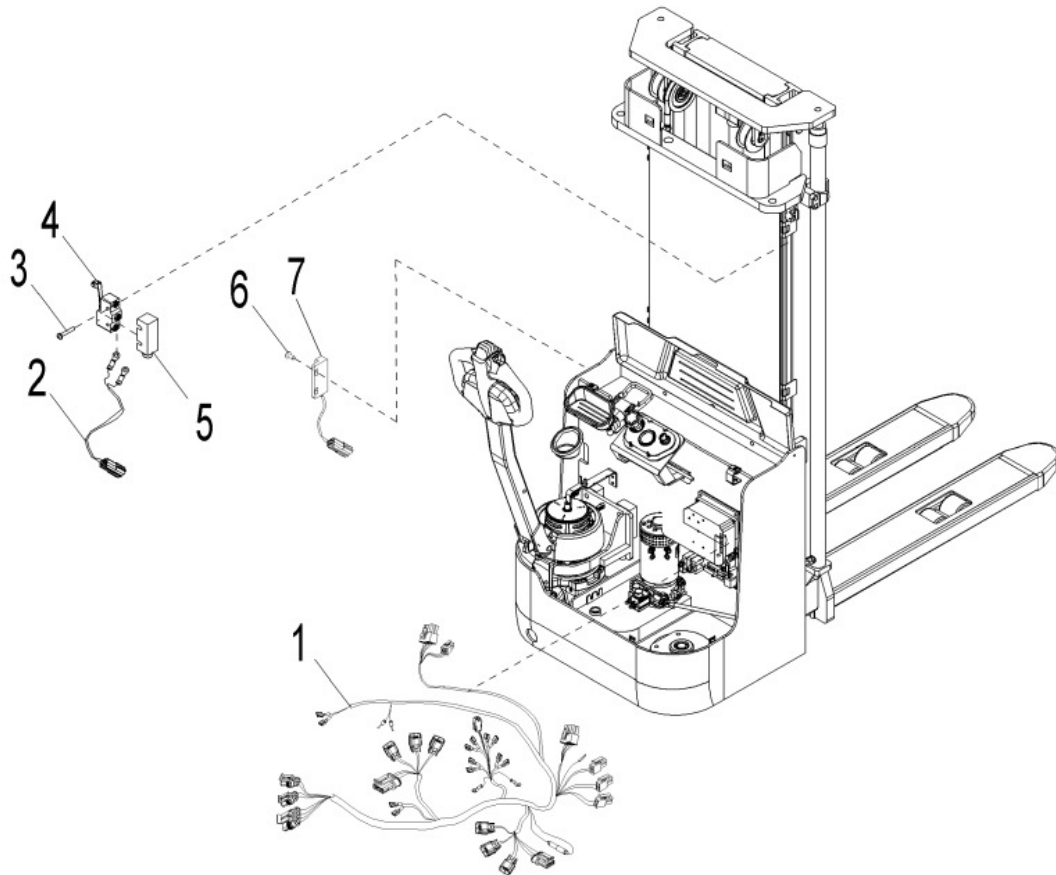


**Fig.35 Main circuit harness**

No.	Art No.	Description	Qty.	Note
1	9000010652	Drive motor harness	1	
2	9000010653	Pump motor harness	1	
3	9000016350	Power harness	1	
4	9000016351	Harness	1	FU+



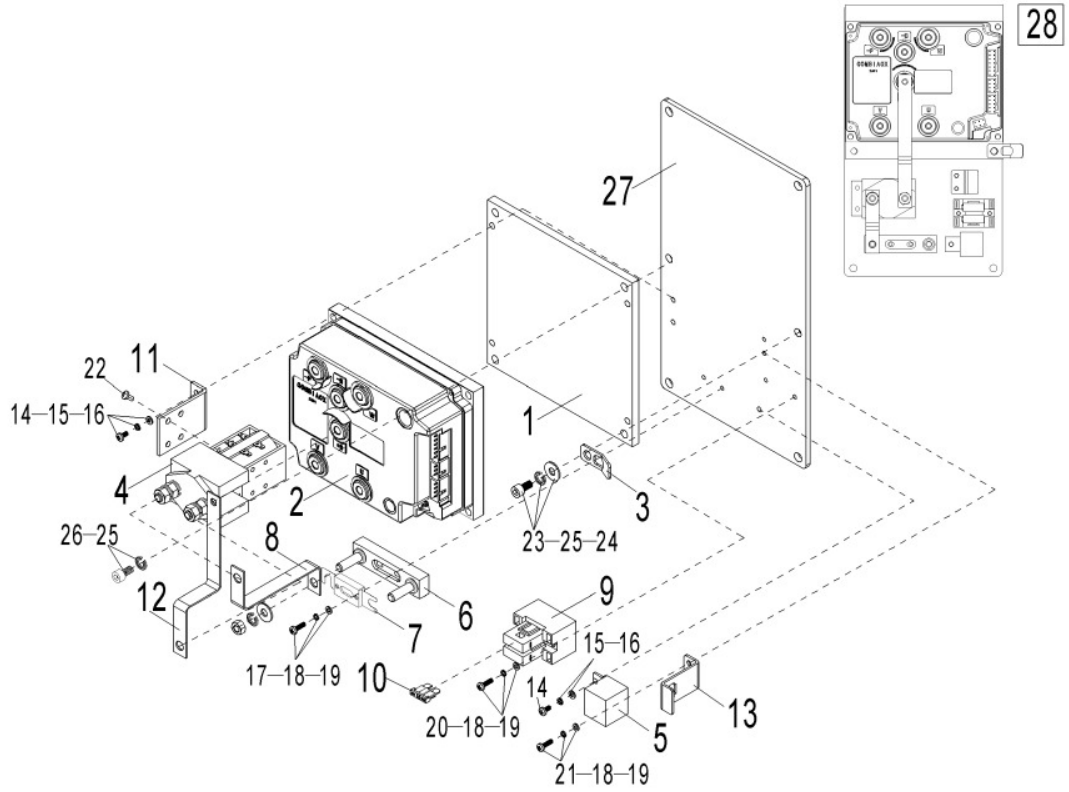
**Fig.37 Electrical general part**



**Fig.36 Electrical general Part**

No.	Art No.	Description	Qty.	Note
1	9000016349	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

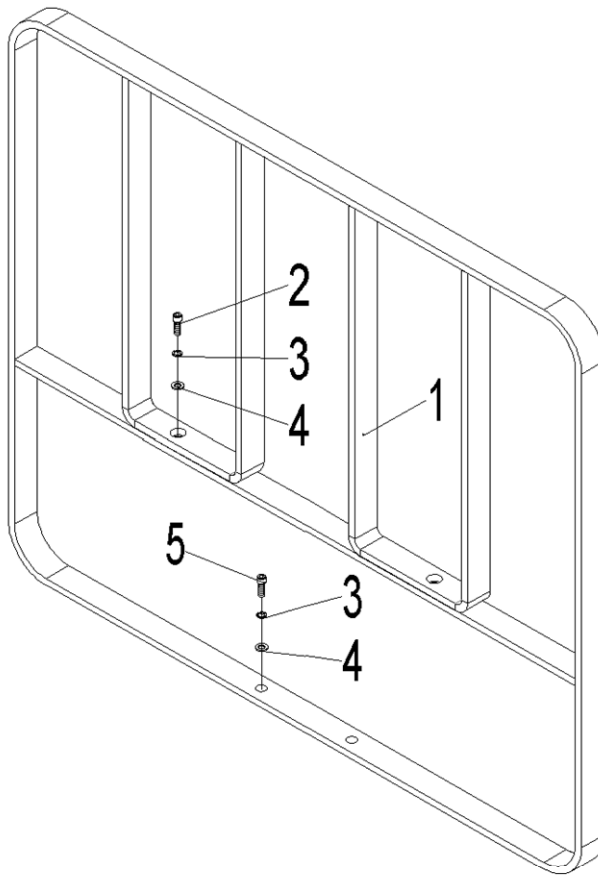
**Fig.38 Controller assembly**



**Fig.37 Controller Assembly**

No.	Art No.	Description	Qty.	Note
1	9000010659	Aluminium plate	1	
2	9000016047	Controller	1	COMBIACX 24/240 270 C
3	9000009791	Line hanging board	3	
4	2390434003	Contactora	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	Contactora 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	

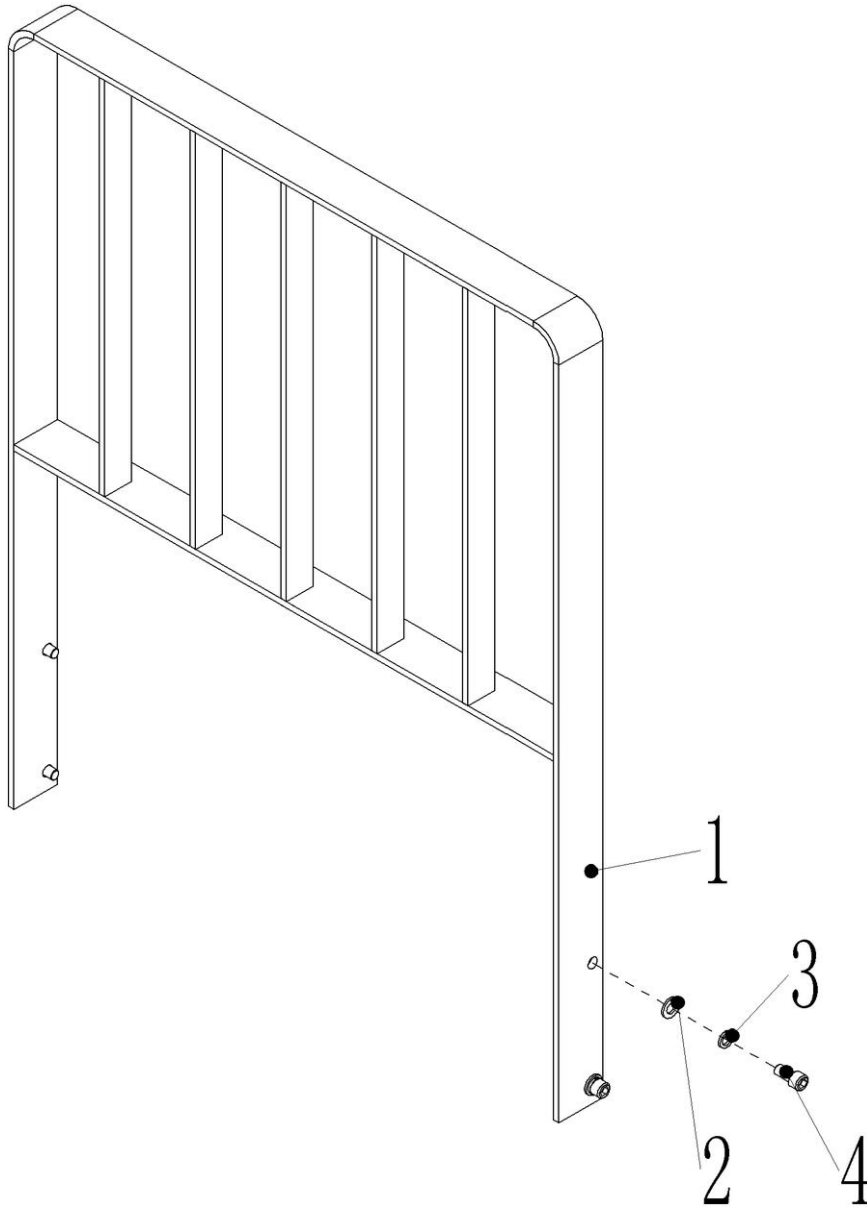
**Fig.39 Load backrest**



**Fig.38 Load Backrest**

No.	Art No.	Description	Qty.	Note
1	900008259	Load backrest	1	
2	0000023088	Screw	2	M10x25
3	0000025002	Washer	4	10
4	0000023006	Washer	4	10
5	0000023029	Screw	2	M10x35

**Fig.40 Load backrest (straddle)**



**Fig.39 Load backrest (straddle)**

No.	Art No.	Description	Qty.	Note
1	9000016305	Load backrest	1	
2	0000025024	Spring washer	4	12
3	0000025032	Washer	4	12
4	0000023156	Screw	4	M12x25

### Easy worn parts list

No.	Art No.	Description	Qty.	Fig./Position	Note
1	0000027013	Bearing	2	Fig.12/3	Steering wheel assembly
2	0000027001	Bearing	2	Fig.12/11	Steering wheel assembly
			8	Fig.33/5	Load wheel assembly
3	2210416001	Rear wheel	1	Fig.12/12	Steering wheel assembly
4	9000009926	Dust ring	1	Fig.26/2	Three-stage Mast outer Cylinder Assembly(full free lift)
			1	Fig.28/1	Three-stage Mast outer Cylinder Assembly(standard lift)
			1	Fig.31/1	Two-stage Mast outer Cylinder Assembly(standard lift)
5	9000009170	Y ring	1	Fig.26/3	Three-stage Mast outer Cylinder Assembly(full free lift)
			1	Fig.31/2	Two-stage Mast outer Cylinder Assembly(standard lift)
6	9000015671	Seal ring	1	Fig.26/4	Three-stage Mast outer Cylinder Assembly(full free lift)
			1	Fig.31/3	Two-stage Mast outer Cylinder Assembly(standard lift)
7	9000015668	Supporting ring	1	Fig.26/5	Three-stage Mast outer Cylinder Assembly(full free lift)
			1	Fig.28/3	Three-stage Mast outer Cylinder Assembly(standard lift)
8	9000015660	O ring	1	Fig.26/7	Three-stage Mast outer Cylinder Assembly(full free lift)
			1	Fig.29/6	Two-stage Mast outer Cylinder Assembly(full free lift)
			1	Fig.31/6	Two-stage Mast outer Cylinder Assembly(standard lift)
9	9000015661	Supporting ring	1	Fig.26/12	Three-stage Mast outer Cylinder Assembly(full free lift)
			1	Fig.29/13	Two-stage Mast outer Cylinder Assembly(full free lift)
			1	Fig.31/12	Two-stage Mast outer Cylinder Assembly(standard lift)
10	9000016329	Outer cylinder seal assembly	1	Fig.26/11	Three-stage Mast outer Cylinder Assembly(full free lift)
11	9000015662	Dust ring	1	Fig.27/2	Three-stage Mast middle Cylinder Assembly(full free lift)
			1	Fig.30/2	Two-stage Mast middle Cylinder Assembly(full free lift)

12	9000015663	Stop collar	1	Fig.27/3	Three-stage Mast middle Cylinder Assembly(full free lift)
			1	Fig.30/3	Two-stage Mast middle Cylinder Assembly(full free lift)
13	9000010181	Seal ring	1	Fig.27/4	Three-stage Mast middle Cylinder Assembly(full free lift)
			1	Fig.30/4	Two-stage Mast middle Cylinder Assembly(full free lift)
14	9000015664	O ring	1	Fig.27/6	Three-stage Mast middle Cylinder Assembly(full free lift)
			1	Fig.30/6	Two-stage Mast middle Cylinder Assembly(full free lift)
15	9000015665	Stop collar	1	Fig.27/7	Three-stage Mast middle Cylinder Assembly(full free lift)
			1	Fig.30/7	Two-stage Mast middle Cylinder Assembly(full free lift)
16	9000015666	Supporting ring	1	Fig.27/8	Three-stage Mast middle Cylinder Assembly(full free lift)
			1	Fig.30/8	Two-stage Mast middle Cylinder Assembly(full free lift)
17	9000015667	Supporting ring	1	Fig.27/13	Three-stage Mast middle Cylinder Assembly(full free lift)
			1	Fig.30/13	Two-stage Mast middle Cylinder Assembly(full free lift)
18	9000015674	Middle cylinder seal assembly	1	Fig.27/11	Three-stage Mast middle Cylinder Assembly(full free lift)
19	9000016328	O ring	1	Fig.28/9	Three-stage Mast outer Cylinder Assembly(standard lift)
20	9000009182	Supporting ring	1	Fig.28/10	
21	9000009178	Y ring	1	Fig.28/11	
22	9000016330	Outer cylinder seal assembly	1	Fig.28/11	
23	9000015669	Dust ring	1	Fig.29/1	
24	9000009708	Seal ring	1	Fig.29/2	Two-stage Mast outer Cylinder Assembly(full free lift)
25	9000009710	Seal ring	1	Fig.29/3	
26	9000009711	Supporting ring	1	Fig.29/4	
27	9000016331	Outer cylinder seal assembly	1	Fig.29/11	
28	9000015677	Middle cylinder seal assembly	1	Fig.30/11	
29	9000009927	Supporting ring	1	Fig.31/4	Two-stage Mast outer Cylinder Assembly(standard lift)
30	9000016332	Outer cylinder seal assembly	1	Fig.31/11	
31	1000507011	Load wheel	4	Fig.33/6	Load Wheel Assembly
32	9000010728	Load wheel	4	Fig.33/10	

		assembly			
33	9000008329	Proximity switch NBN5-F7-E2	2	Fig.34/7	Handle Assembly
34	9000011289	Air spring	1	Fig.34/10	
35	2040634001	Micro switch	1	Fig.37/4	Electrical general Part
36	9000008332	Magnet switch	2	Fig.37/7	
37	9000008635	Fuse	1	Fig.38/7	Controller Assembly
38	1000434040	Plug fuse	1	Fig.38/10	