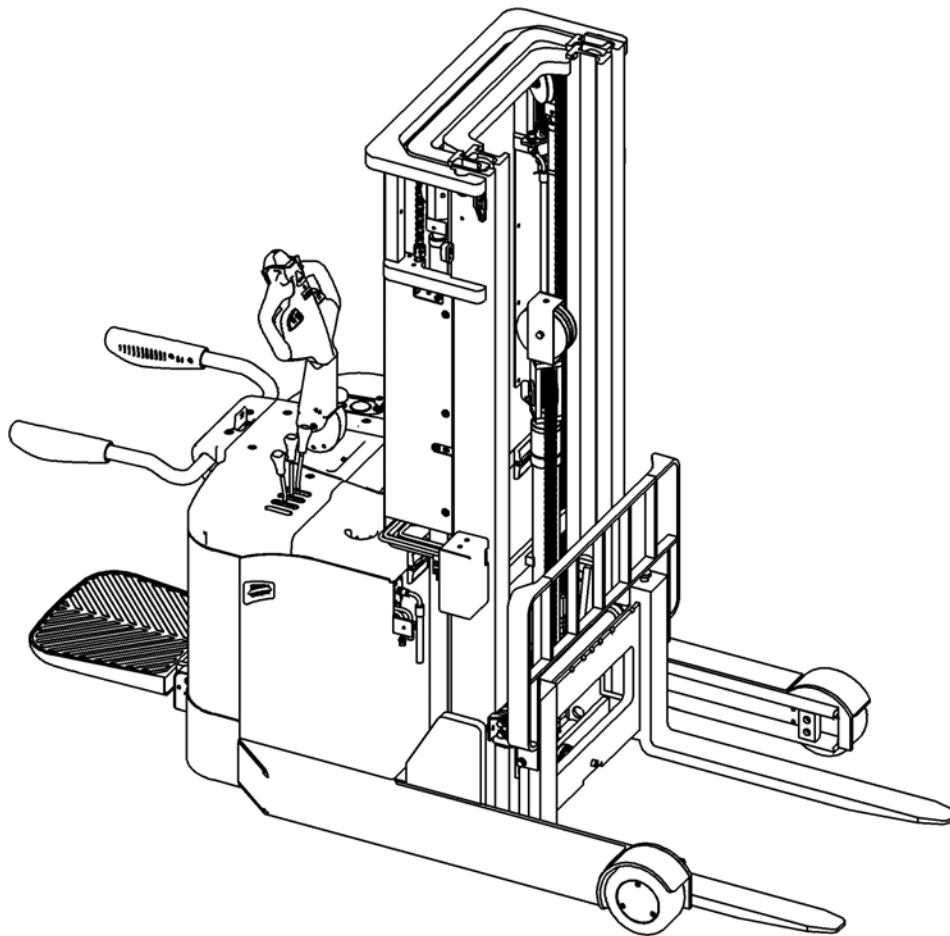


## Spare parts list

### Electric Stacker PS13RMPLUS



Version 12/2018

From truck identification No.:

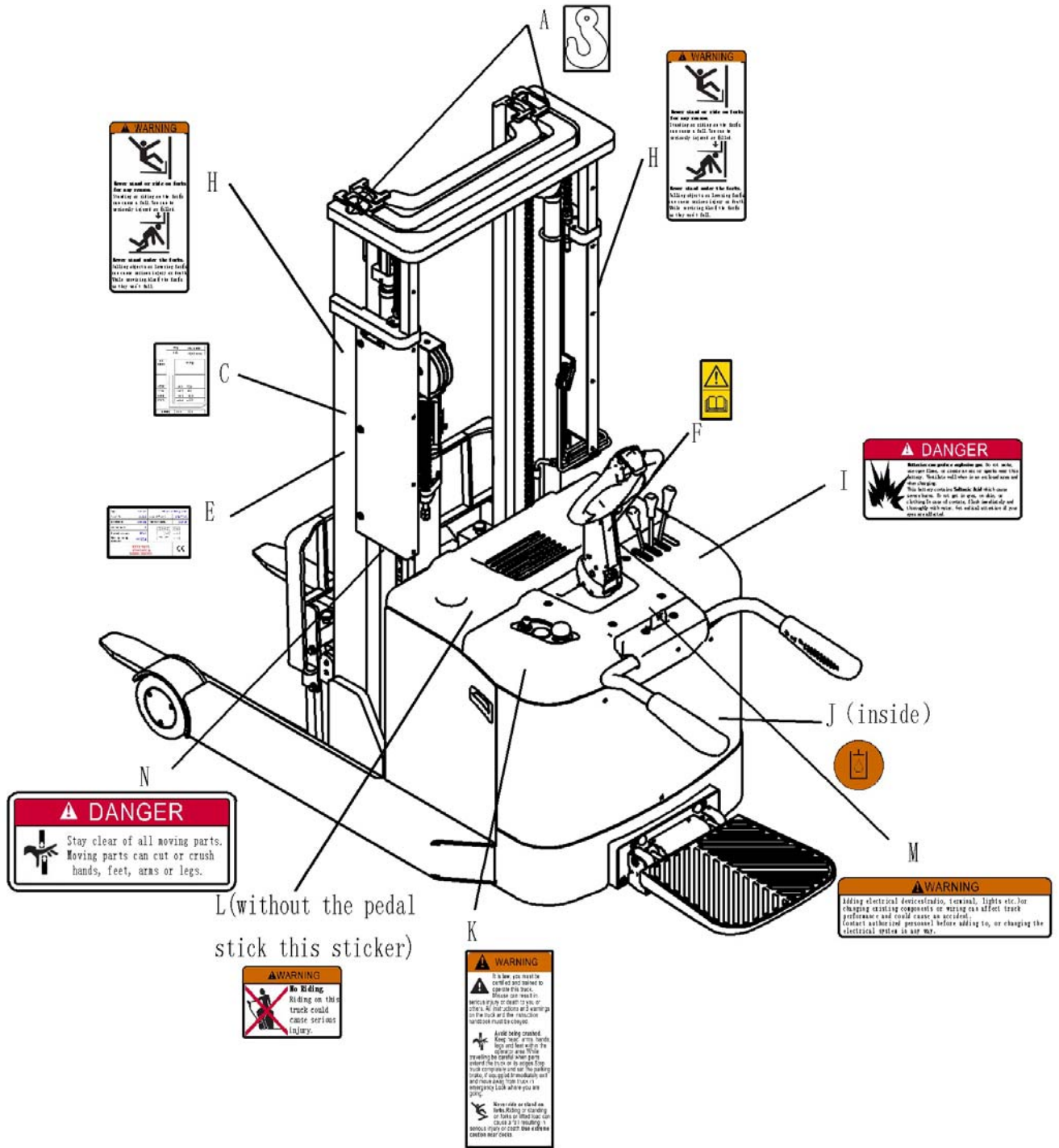
PS13RMPLUS-BPT-004-EN

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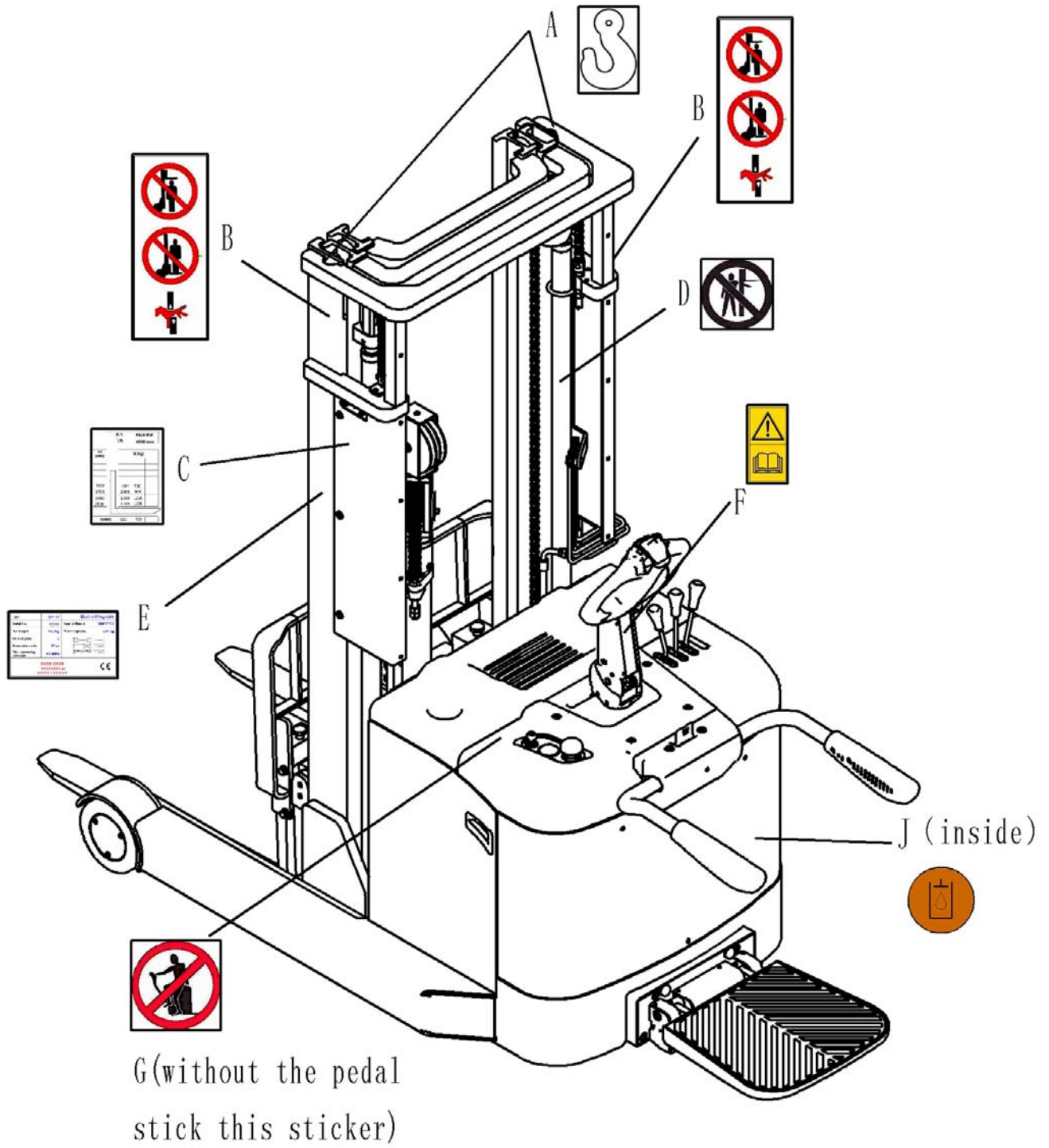
Fig. 1 Sticker (US)



**Fig. 1 Sticker (US)**

No.	Art No.	Description	Qty.	Note
A	941200300001	Hook sticker	2	
C	202047020000	Residual lift capacity sticker	1	
E	202047020001	Identification plate (ID-plate)	1	
F	941200300002	Warning label	1	
H	941200100016	Warning label	2	
I	941200100013	Warning label	1	
J	941200300003	Filling sticker	1	
K	941200100009	Warning label	1	
L	941200100011	Warning label	1	
M	941200100010	Warning label	1	
N	941200100014	Warning label	1	

Fig. 2 Sticker (EU)



**Fig. 1 Sticker (EU)**

No.	Art No.	Description	Qty.	Note
A	941200300001	Hook sticker	2	
B	941200100004	Warning sticker	2	
C	202047020000	Residual lift capacity sticker	1	
D	941200100006	Warning sticker	1	
E	202047020001	Identification plate	1	
F	941200300002	Warning sticker	1	
G	941200100003	Warning sticker	1	
J	941200300003	Filling sticker	1	

Fig. 3 Appearance (single mast)

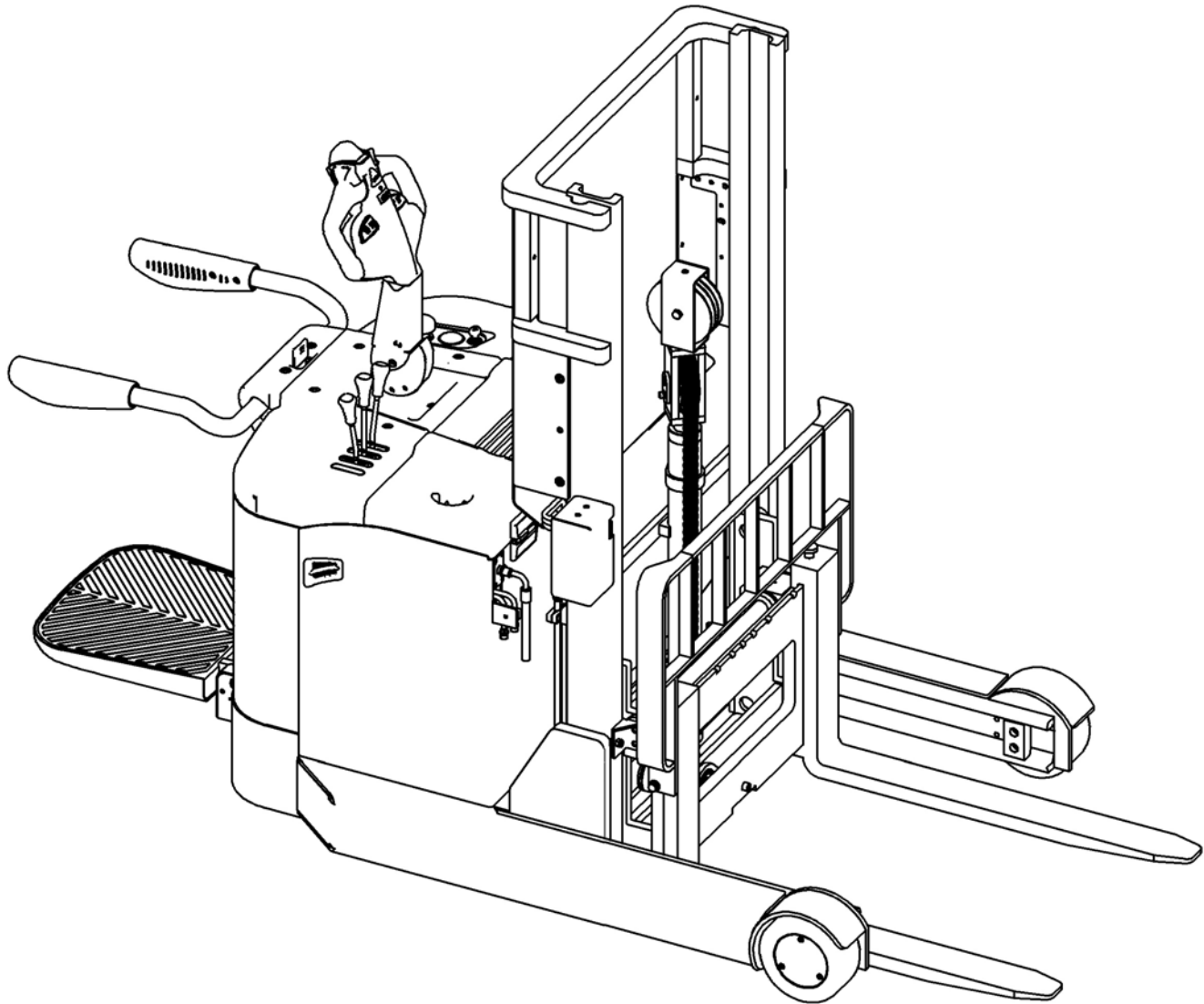




Fig. 4 Appearance (two-stage-mast)

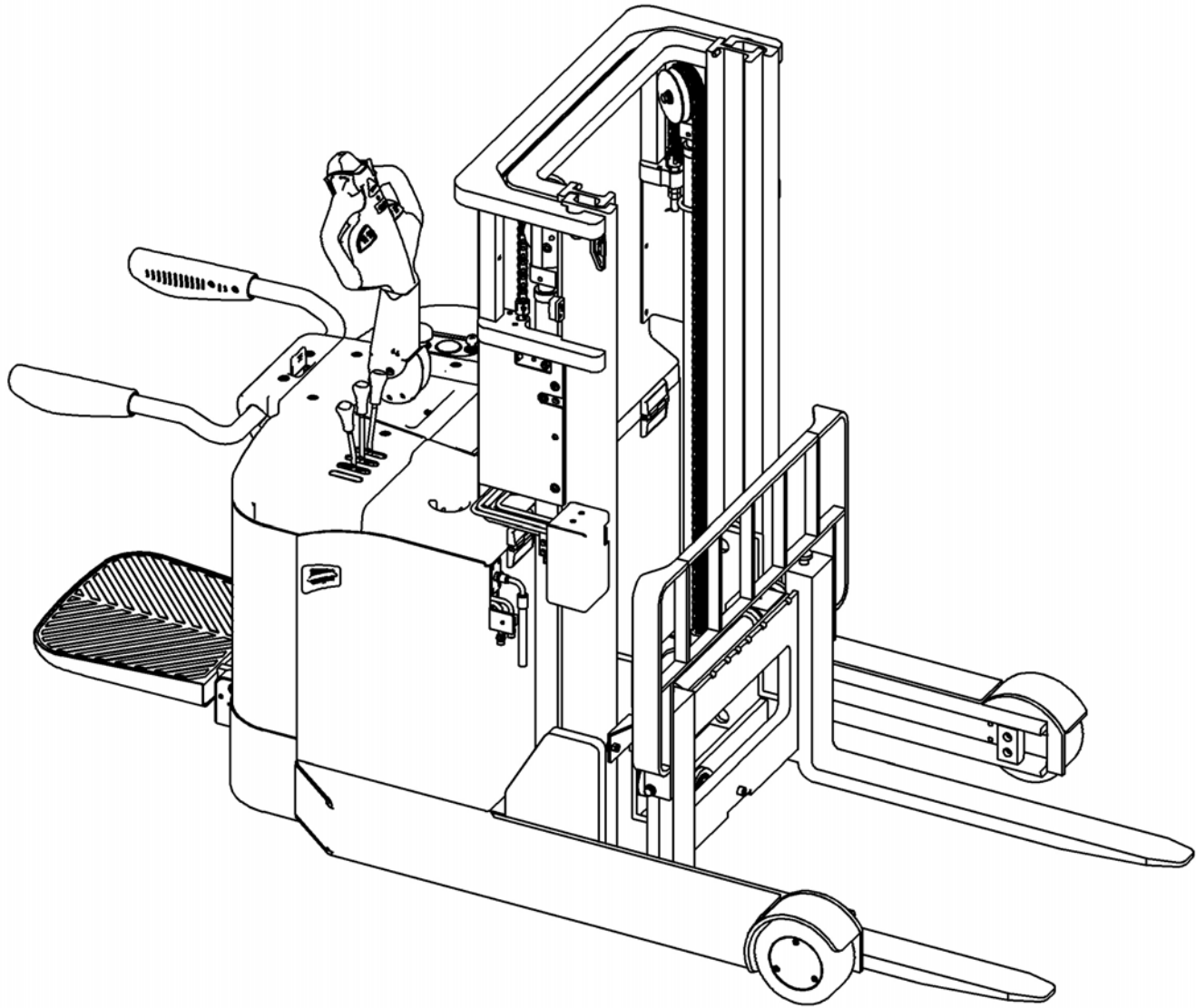


Fig. 5 Appearance (three-stage-mast)

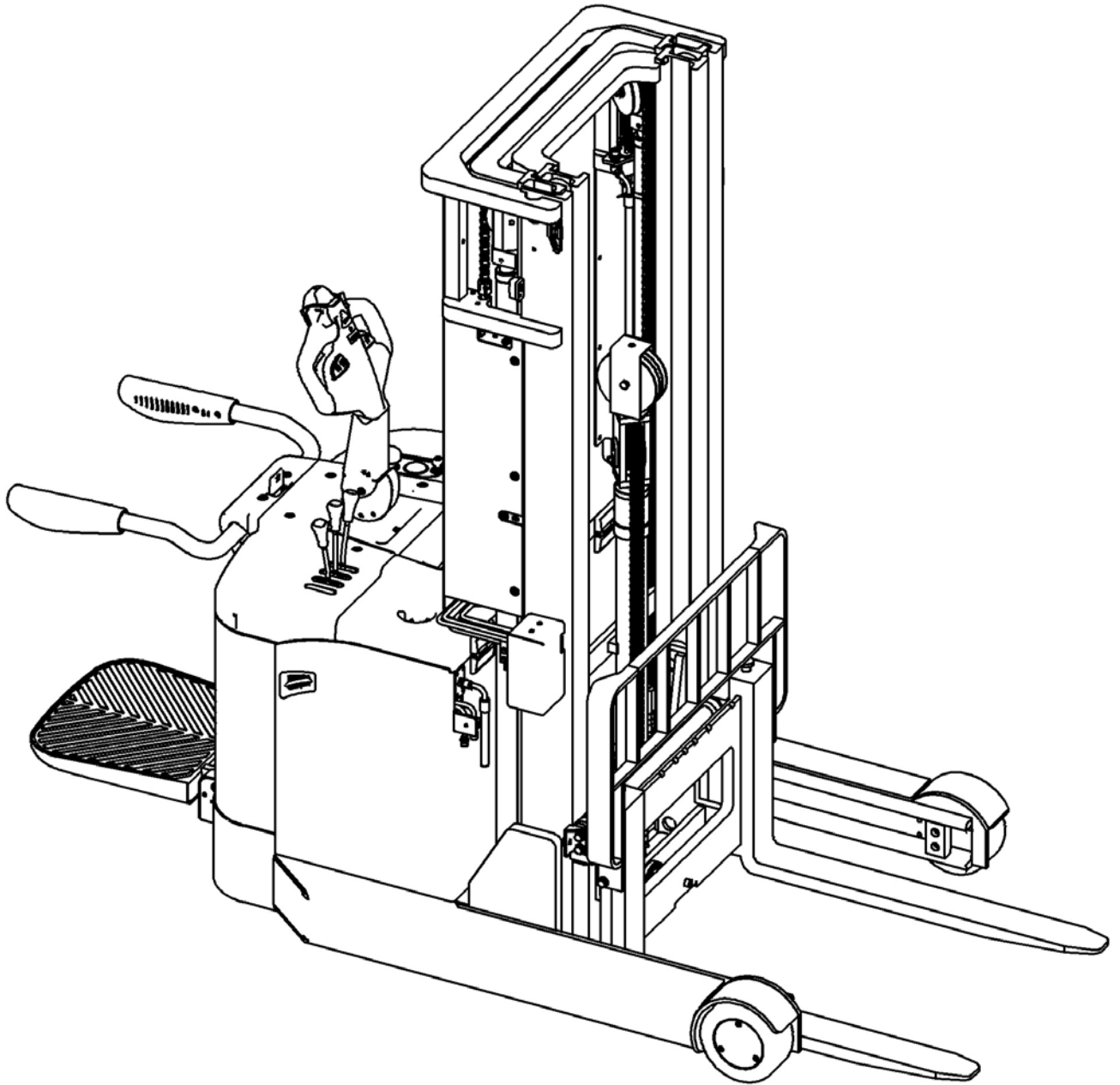
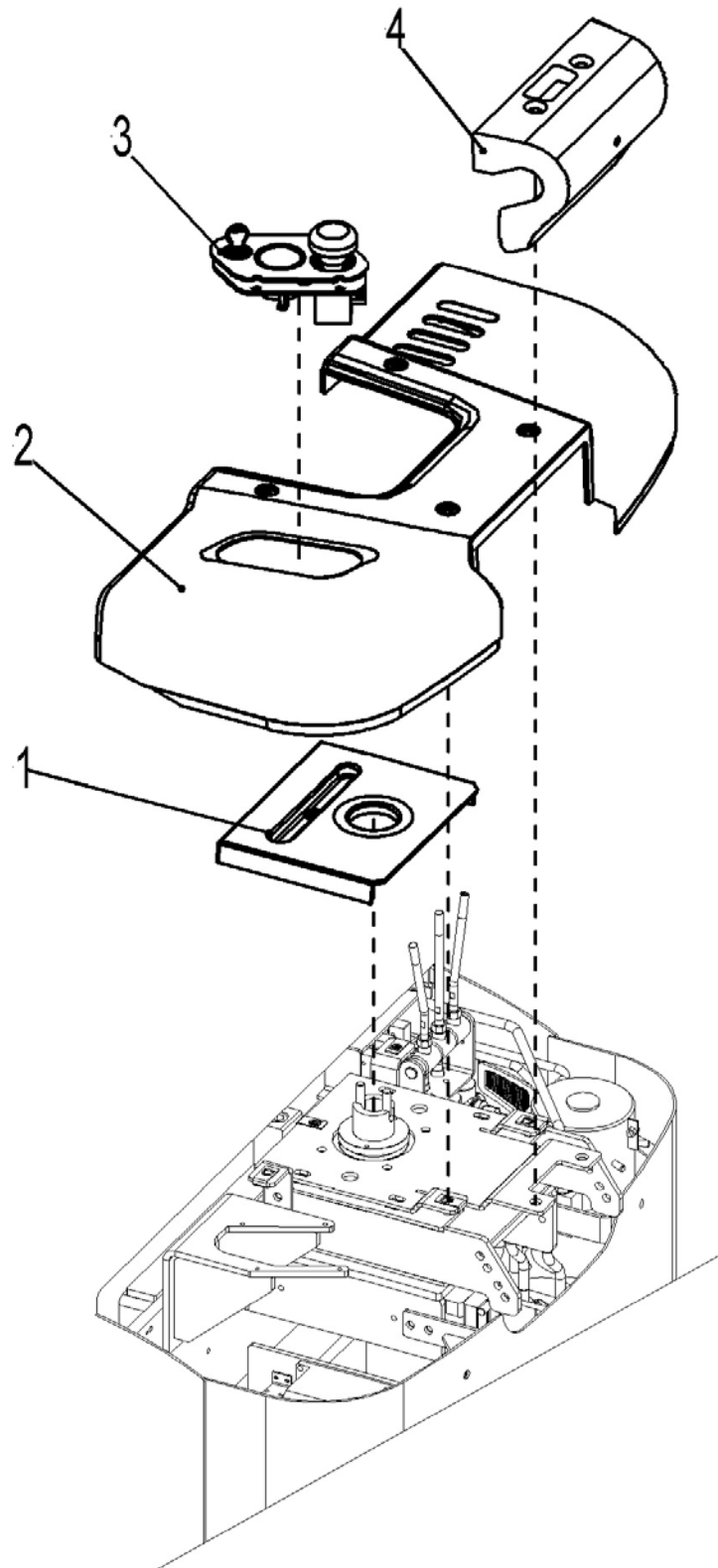


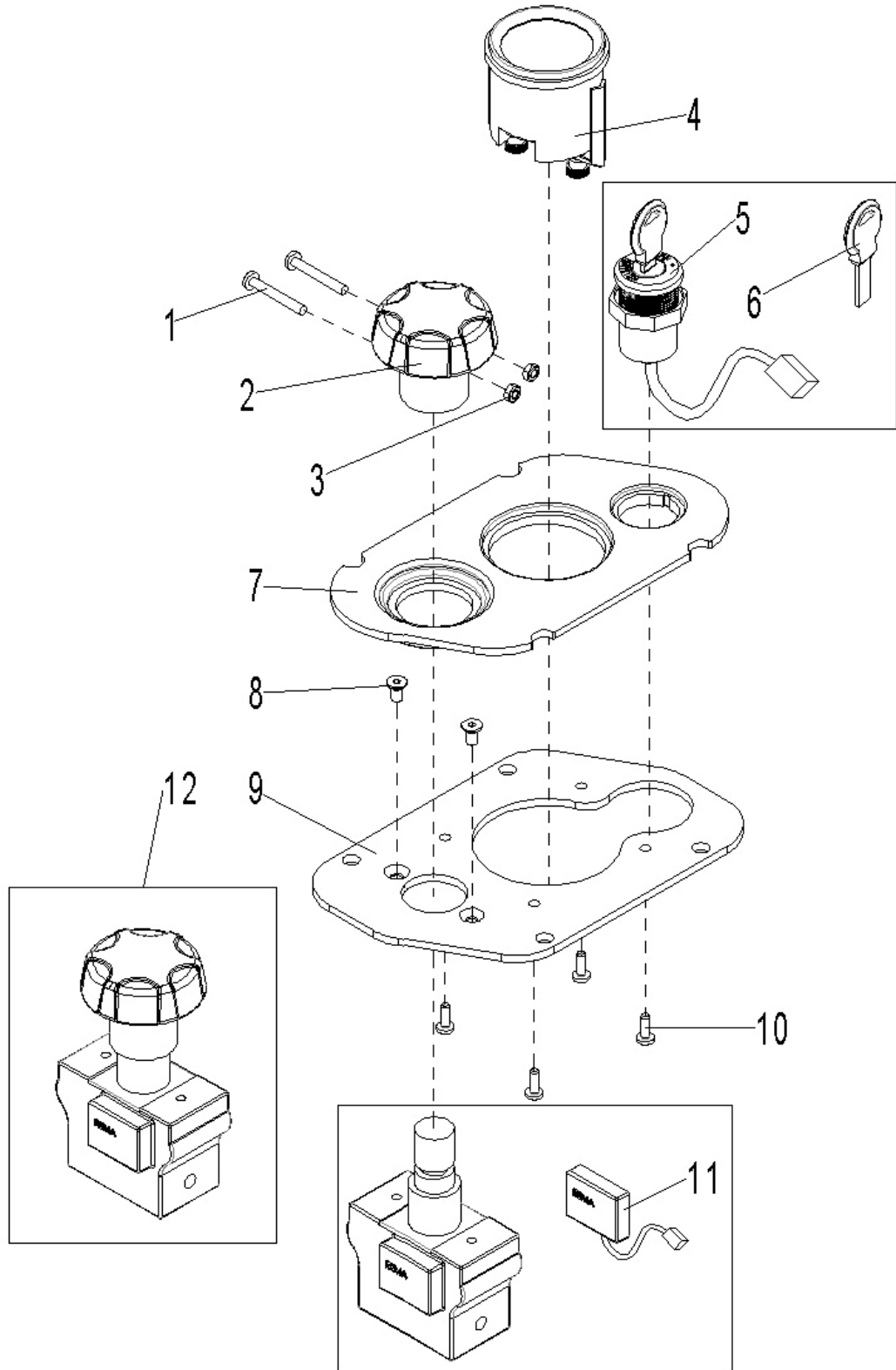
Fig. 6 Control panel



**Fig. 6 Control Panel**

No.	Art No.	Description	Qty.	Note
1	206021520034	Protective cover(middle)	1	
2	201021520036	Protective cover(top)	1	
3	505610001000	Instrument kits	1	
4	505621520025	Protective cover(protective arm)	1	

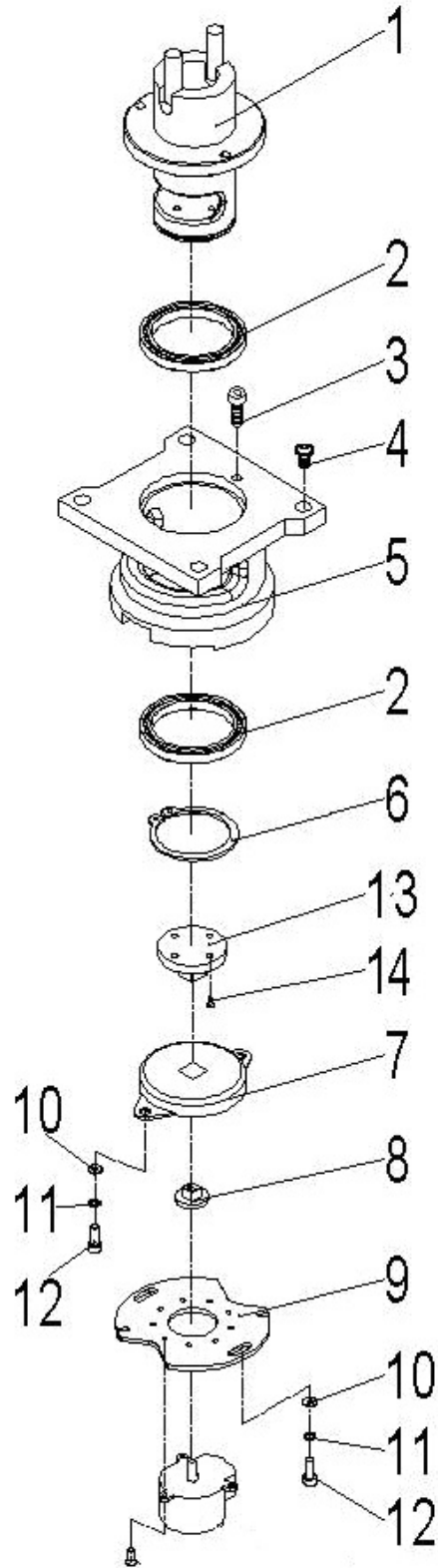
Fig. 7 Indicator assembly



**Fig. 7 Indicator Assembly**

No.	Art No.	Description	Qty.	Note
1	910200500016	Screw	2	M3×25
2	505698520029	Emergency stop button	1	
3	910300100002	Nut	2	M3
4	921100100001	Indicator	1	MDI CAN
5	505634010000	Key switch	1	
6	505698520031	Key	1	
7	505610020000	Plastic board	1	
8	910200400010	Screw	2	M5×10
9	505610020001	Fixing board	1	
10	910201300001	Screw	4	M4×12
11	505698520030	Proximity switch	1	
12	920200100001	DC power switch	1	

Fig. 8 Electrical steering assembly

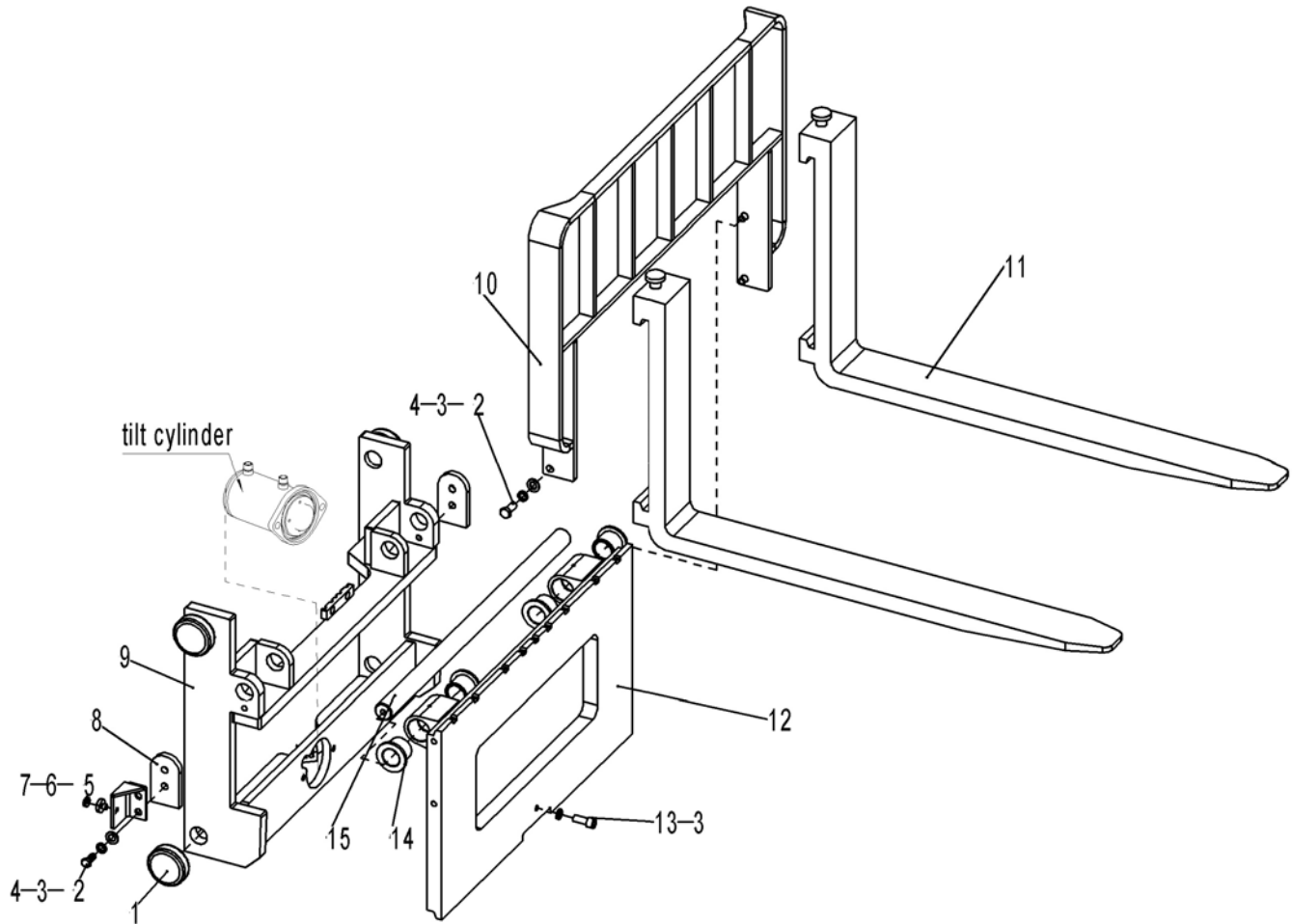


**Fig. 8 Electrical Steering Assembly**

No.	Art No.	Description	Qty.	Note
1	505631510001	Axle seat	1	
2	910700200041	Bearing	2	61810
3	910200200032	Screw	3	M6×10
4	910200200075	Screw	4	M10×20
5	505631520002	Fixing seat	1	
6	910401300024	Circlip	1	50
7	940801200001	Damper	1	
8	505931520002	Transitional linking block	1	
9	505931520001	Potentiometer fixing plate	1	
10	910400100004	Washer	4	5
11	910400500004	Washer	4	5
12	910200200021	Screw	4	M5×10
13	505631520005	Linking block	1	
14	910200200013	Screw	4	M4×10



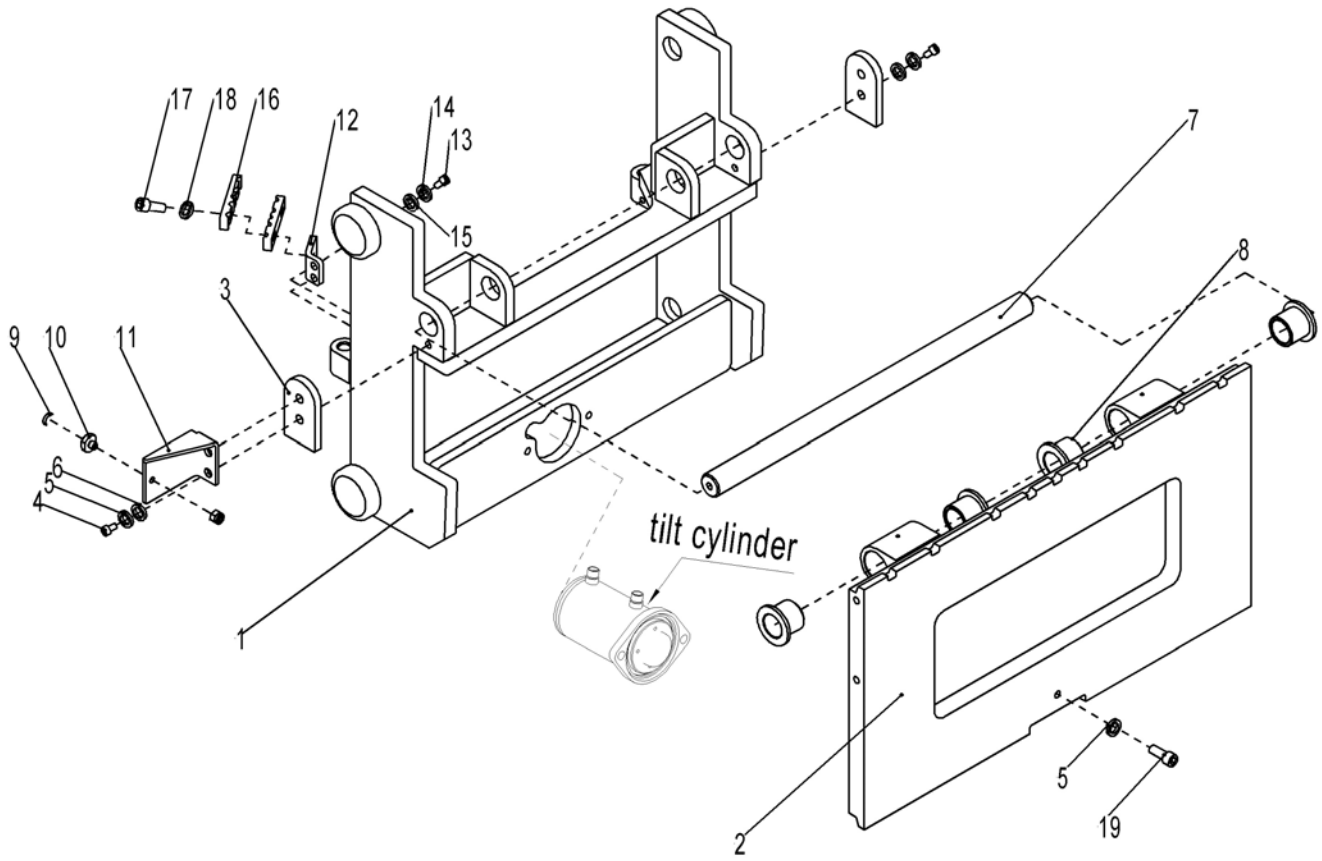
**Fig. 9 Fork frame kits (single mast)**



**Fig. 9 Fork Frame Kits (single mast)**

No.	Art No.	Description	Qty.	Note
1	940200300012	Compound roller	4	NL077.7.00-00 110-range=50-55
2	910100300050	Bolt	4	GB5783-M12x30-8.8
3	910400500008	Spring washer	5	GB93-12
4	910400100008	Flat washer	4	GB97.1-12-200HV
5	201538020021	Fixing plate (magnetic steel )	1	
6	940600100001	Magnetic steel	1	18x5
7	940600200001	Magnetic steel seat	1	18x16
8	201038020010	Baffle	2	
9	201538010004	Inner carriage welding	1	
10	216540510000	Load backrest welding	1	
11	940100100002	Fork	2	
12	201538010005	Fork frame welding	1	
13	910200200098	Screw	1	GB70.1-M12x30-8.8
14	940500400002	Bearing	4	35x45x40
15	201538020020	Axle 35x714	1	

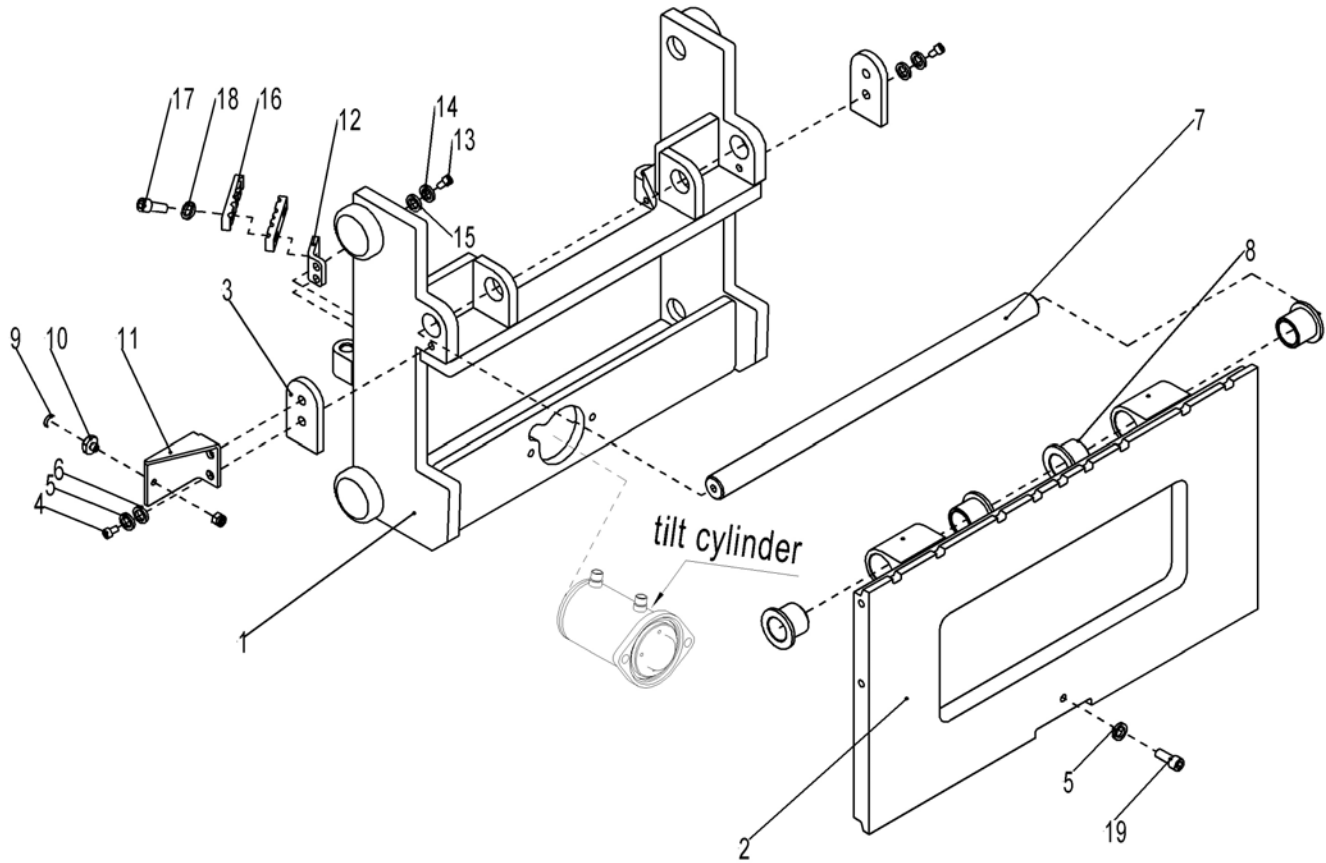
**Fig. 10 Fork frame kits (two-stage-mast)**



**Fig. 10 Fork Frame Kits (two-stage-mast)**

No.	Art No.	Description	Qty.	Note
1	201538010002	Inner carriage welding	1	
2	201538010003	Fork frame welding	1	
3	201038020010	Baffle	2	
4	910100300050	Bolt	4	GB5783-M12X30-8.8
5	910400500008	Spring washer	5	GB93-12
6	910400100008	Flat washer	4	GB97.1-12-200HV
7	201038020030	Axle	1	35X620
8	940500400002	Bearing	4	35X45X40
9	201538020010	Fixing plate (magnetic steel)	1	
10	940600100001	Magnetic steel	1	18X5
11	940600200001	Magnetic steel seat	1	18X16
12	201044520063	Assembly plate 4 (pipe clamp)	1	
13	910200200075	Screw	2	GB70.1-M10X20-8.8
14	910400500007	Spring washer	2	GB93-10
15	910400100007	Flat washer	2	GB97.1-10-200HV
16	201044520027	Pipe clamp	2	2X10
17	910200200058	Screw	2	GB70.1-M8X25-8.8

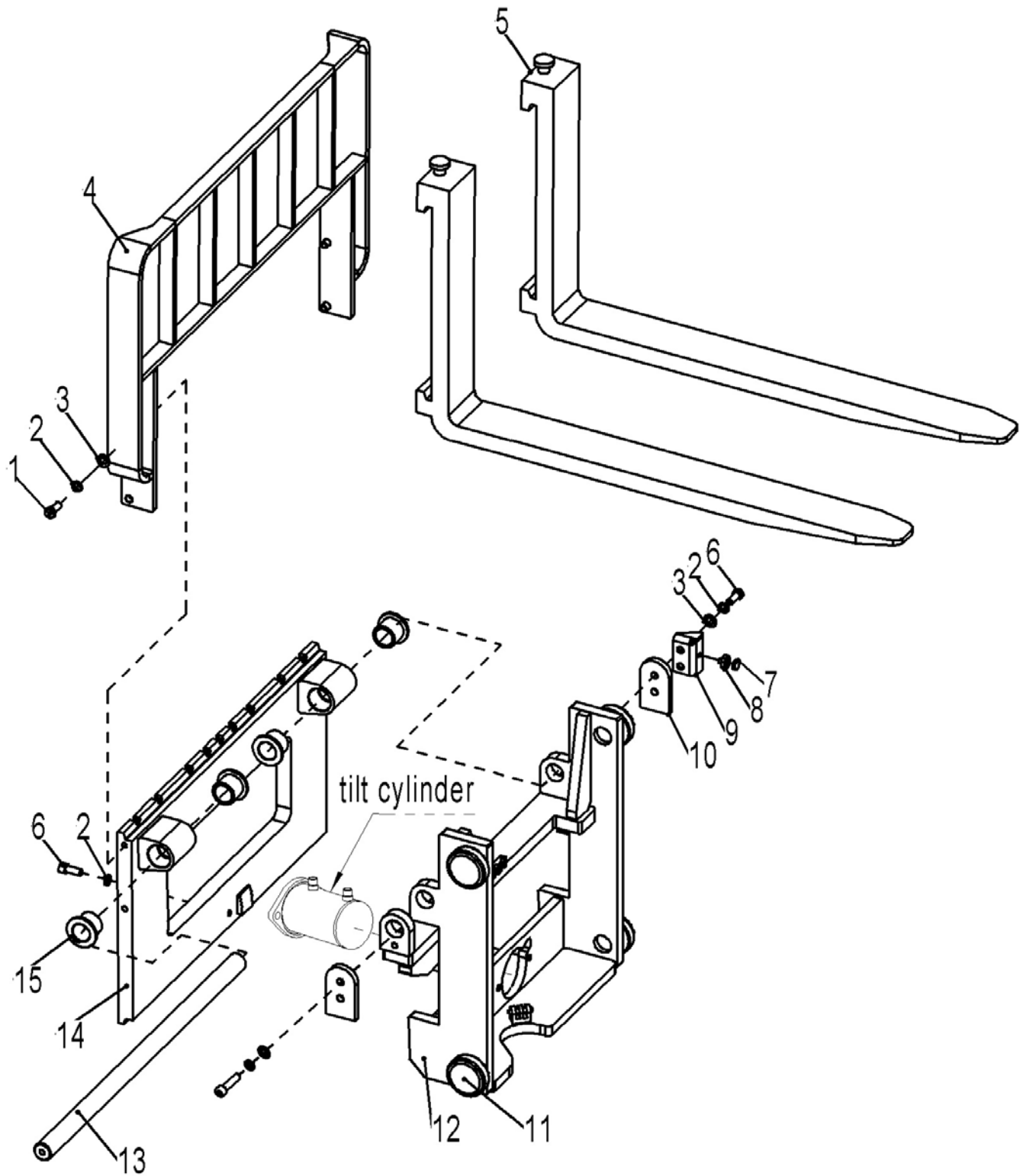
**Fig. 10 Fork frame kits (two-stage-mast)**



**Fig. 10 Fork Frame Kits (two-stage-mast)**

18	910400500006	Spring washer	2	GB93-8
19	910200200098	Screw	1	GB70.1-M12X30-8.8

Fig. 11 Fork frame kits (three-stage-mast)

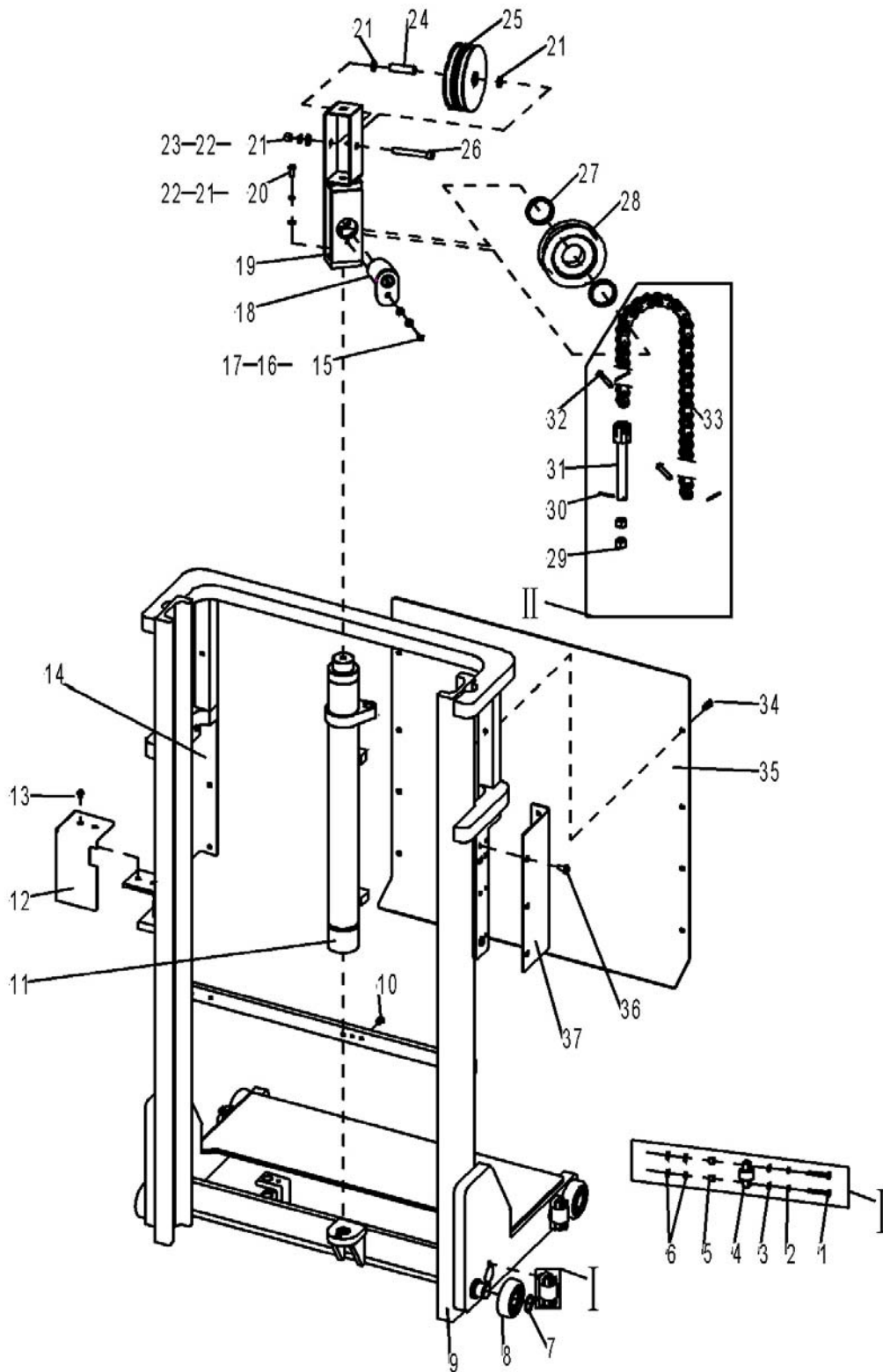


**Fig. 11 Fork Frame Kits (three-stage-mast)**

No.	Art No.	Description	Qty.	Note
1	910200200098	Screw	1	GB70.1-M12x30-8.8
2	910400500008	Spring washer	9	GB93-12
3	910400100008	Flat washer	8	GB97.1-12-200HV
4	216540510000	Load backrest welding	1	
5	940100100002	Fork	2	
6	910200200100	Screw	4	GB70.1-M12x40-8.8
7	940600100001	Magnetic steel 18x5	1	
8	940600200001	Magnetic steel seat 18x16	1	
9	201038020011	Fixing plate (magnetic steel )	1	
10	201038020010	Baffle	2	
11	940200300012	Compound roller	4	NL077.7.00-00 110-range=50-55
12	201538010000	Inner carriage welding	1	
13	201538020000	Axle 35x765	1	
14	201538010001	Fork frame welding	1	(three stage full free mast)
15	940500400002	Bearing	4	35x45x40



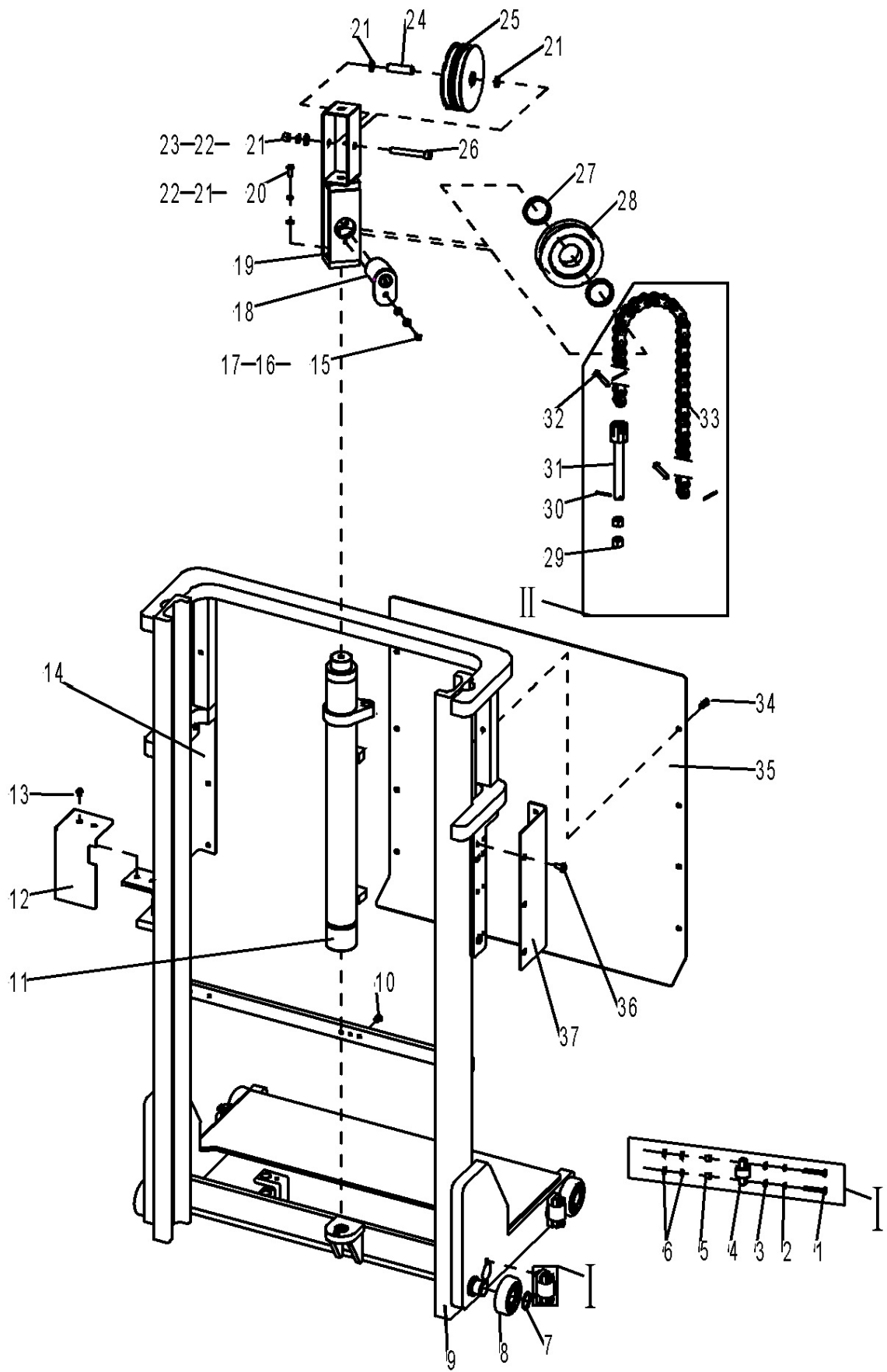
Fig. 12 Outer mast kits (single mast)



**Fig. 12 Outer Mast Kits (single mast)**

No.	Art No.	Description	Qty.	Note
1	910200200079	Screw	8	GB70.1-M10x40-8.8
2	910400500007	Spring washer	8	GB93-10
3	910400100007	Flat washer	8	GB97.1-10-200HV
4	940200200007	Side roller	4	42-CD=60
5	940600599004	Washer DIN988-16x8 collective diagram	1	
6	213044502068	Adjusting washer (side roller) collective diagram	1	
7	910401300018	Circlip	4	GB894.1-35
8	940200100006	Main roller	4	92.5x35x28
9	201543010000	Outer mast welding	1	1200
	201543010001	Outer mast welding	1	1600
	201543010002	Outer mast welding	1	1800
10	910200400025	Screw	2	GB70.3-M8x20-8.8
11	201544510013	Cylinder (M)	1	4800/1600
	201544510014	Cylinder (M)	1	4500
	201544510015	Cylinder (M)	1	3600/1200
	201544510016	Cylinder (M)	1	1800
12	201044520024	Protective cover	1	
13	910200300023	Screw	2	GB70.2-M8x12-8.8

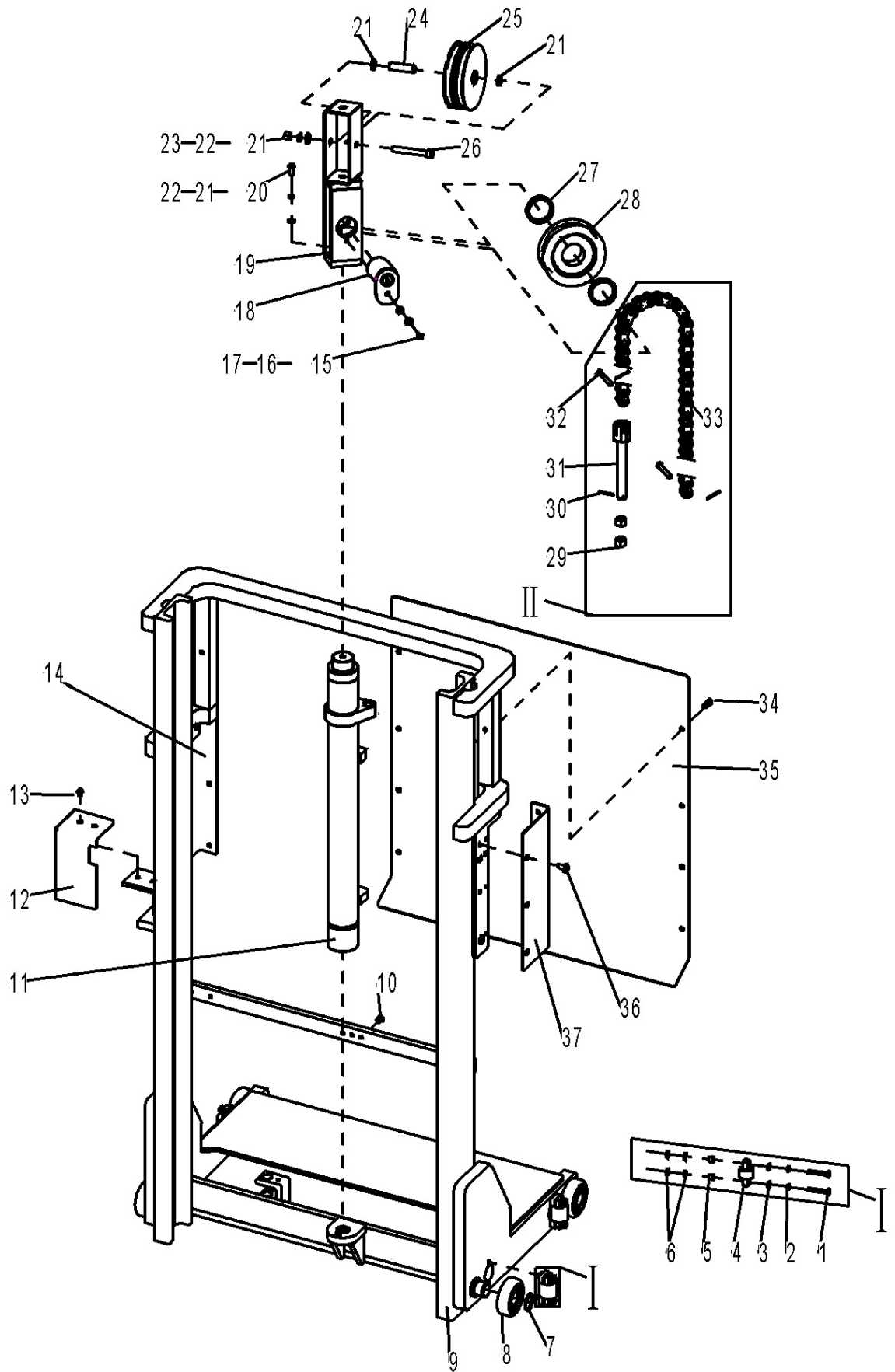
Fig. 12 Outer mast kits (single mast)



**Fig. 12 Outer Mast Kits (single mast)**

No.	Art No.	Description	Qty.	Note
14	201543020010	Assembly frame 2	1	1200
	201543020011	Assembly frame 2	1	1600
	201543020012	Assembly frame 2	1	1800
15	910400500006	Spring washer	8	GB93-8
16	910400100006	Flat washer	1	GB97.1-8-200HV
17	910200200058	Screw	8	GB70.1-M8x25-8.8
18	201044510000	Axle with plate	1	40x76
19	201044510001	Chain wheel welding	1	
20	910100300050	Bolt		GB5783-M12x30-8.8
21	910400100008	Flat washer	2	GB97.1-12-200HV
22	910400500008	Spring washer	23	GB93-12
23	910300100008	Nut	1	GB6170-M12-10
24	201044520053	Bushing	1	17x13x62
25	213044520165	Pulley		145x60
26	910100100056	Bolt	1	GB5782-M12x90-8.8
27	201044520056	Spacer	2	54x42x10
28	940200500007	Chain wheel bearing	1	HC235ZB-43501100x 40x31.3
29	910300200005	Nut	2	GB6171-M20x1.5-10

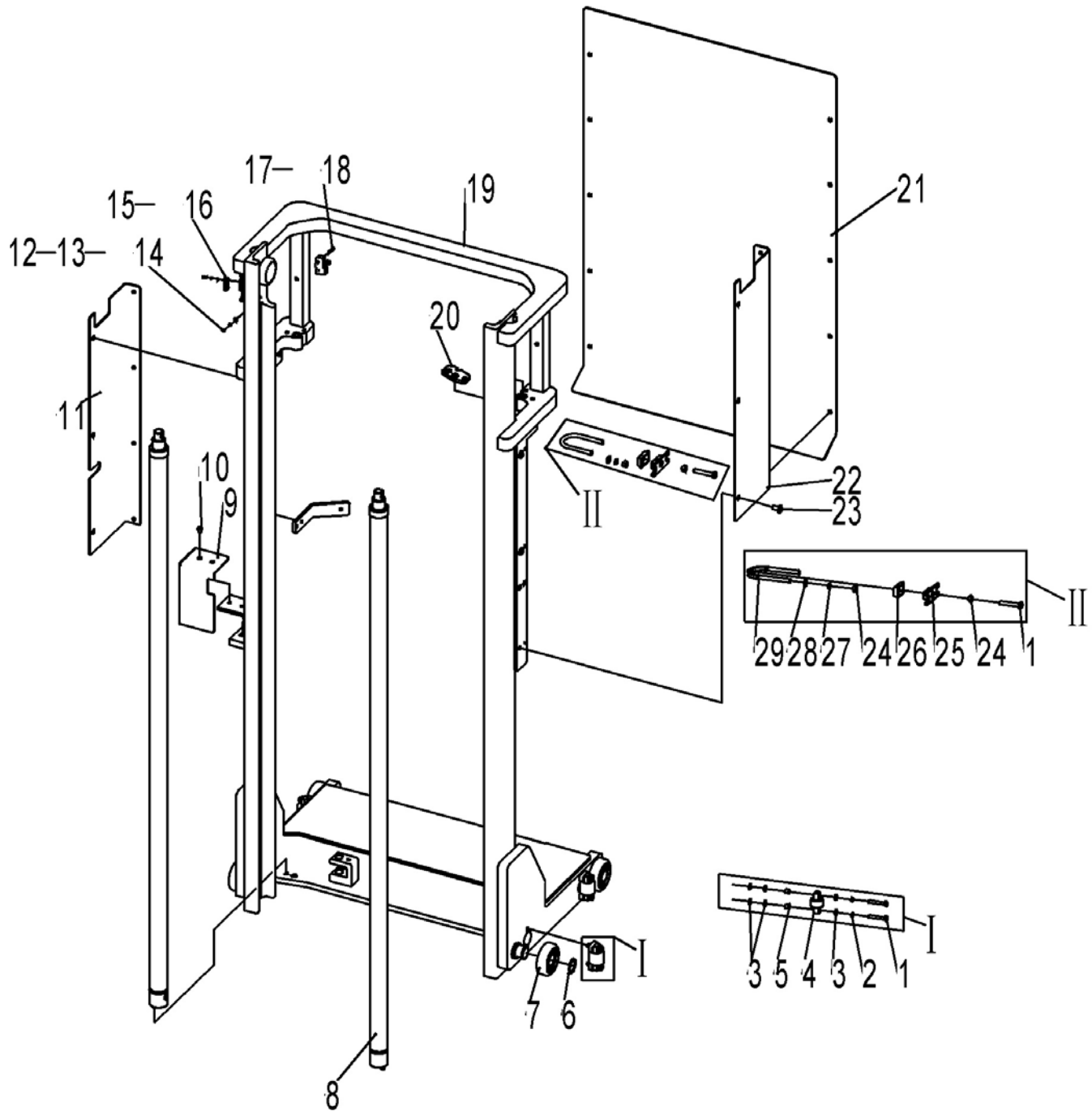
Fig. 12 Outer mast kits (single mast)



**Fig. 12 Outer Mast Kits (single mast)**

No.	Art No.	Description	Qty.	Note
30	910600600030	Split pin	2	GB91-3.2x30
31	532644020096	Chain bolt	1	M16x1.5x111
32	213044520006	Axle	2	8x45
33	201043010006	Chain LH1244-79	1	
	201044510016	Chain LH1244-77	1	
	201044510018	Chain LH1244-67	1	
34	940800700001	Nylon rivet	10	SR-578
35	201544520002	Protective plate	1	4800/1600
	201544520018	Protective plate	1	3600/2400/1200
	201544520006	Protective plate	1	1800
36	910200300028	Screw	6	GB70.2-M10x20-8.8
37	201543020007	Assembly frame1	1	1200
	201543020008	Assembly frame1	1	1600
	201543020009	Assembly frame1	1	1800
I	213098510003	side roller kits	4	
II	213044502006	Middle lifting chain collective diagram	1	

Fig. 13 Outer mast kits (two and three stage mast)

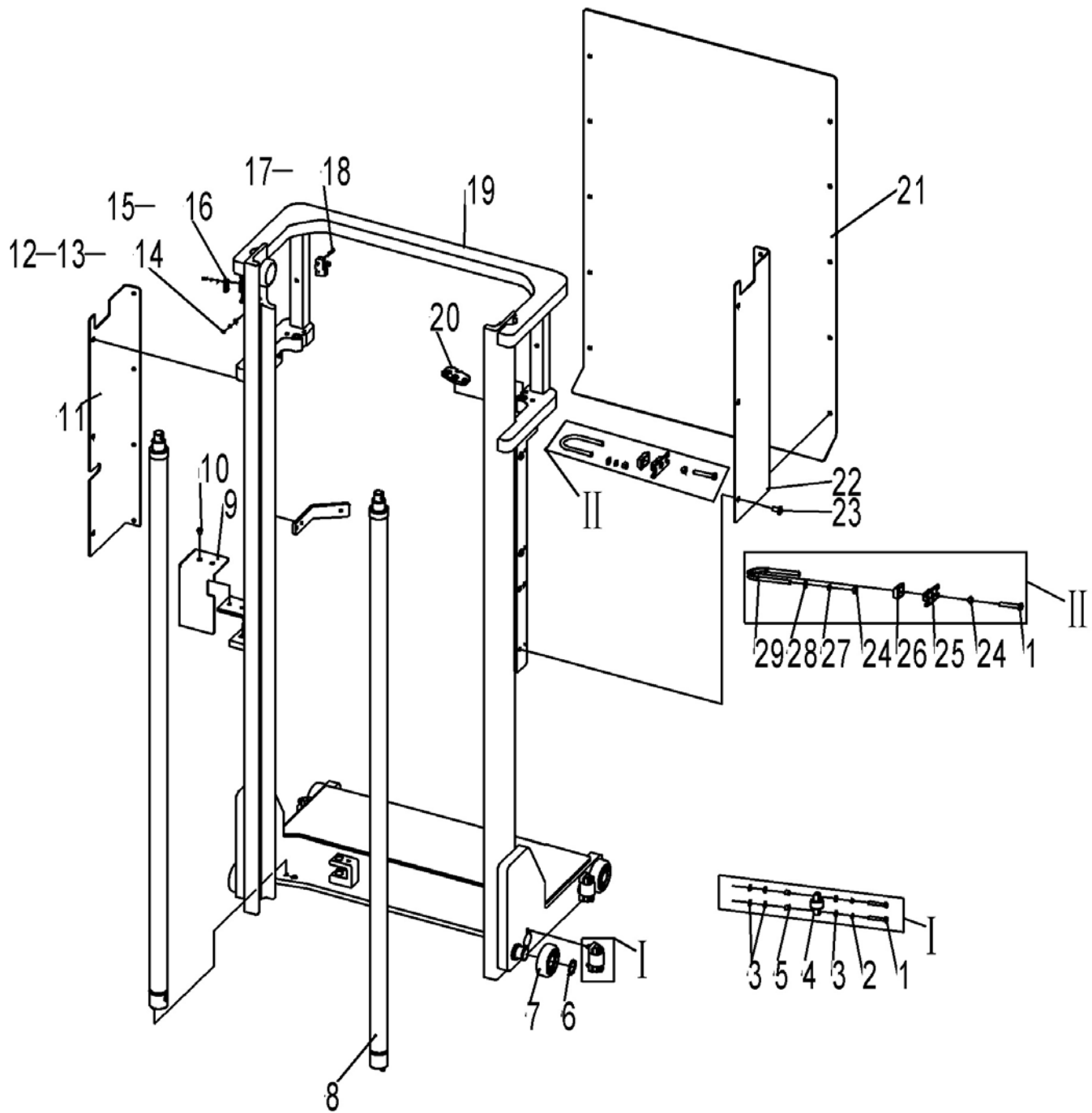


**Fig. 13 Outer Mast Kits (two and three stage mast)**

No.	Art No.	Description	Qty.	Note
1	910200200079	Screw	10	GB70.1-M10x40-8.8
2	910400500007	Spring washer	12	GB93-10
3	910400100007	Flat washer	12	GB97.1-10-200HV
4	940200200007	Side roller	4	42-CD=60
5	213044502068	Adjusting washer (side roller) collective	1	
6	910401300018	Circlip	4	GB894.1-35
7	940200100006	Main roller	4	92.5x35x28
8	201544510010	Lifting cylinder	1	4800
	201544510011	Lifting cylinder	1	4500/3000
	201544510012	Lifting cylinder	1	3600/2400
9	201044520024	Protective cover (oil hose)	1	
10	910200300023	Screw	2	GB70.2-M8x12-8.8
11	201544520001	Assembly frame 2	1	4800
	201544520020	Assembly frame 2	1	4500/3000
	201544520021	Assembly frame 2	1	3600/2400
12	910300500001	Nut	1	GB889.1-M4-10
13	910400500003	Spring washer	1	GB93-4
14	910400100003	Flat washer	1	GB97.1-4-200HV



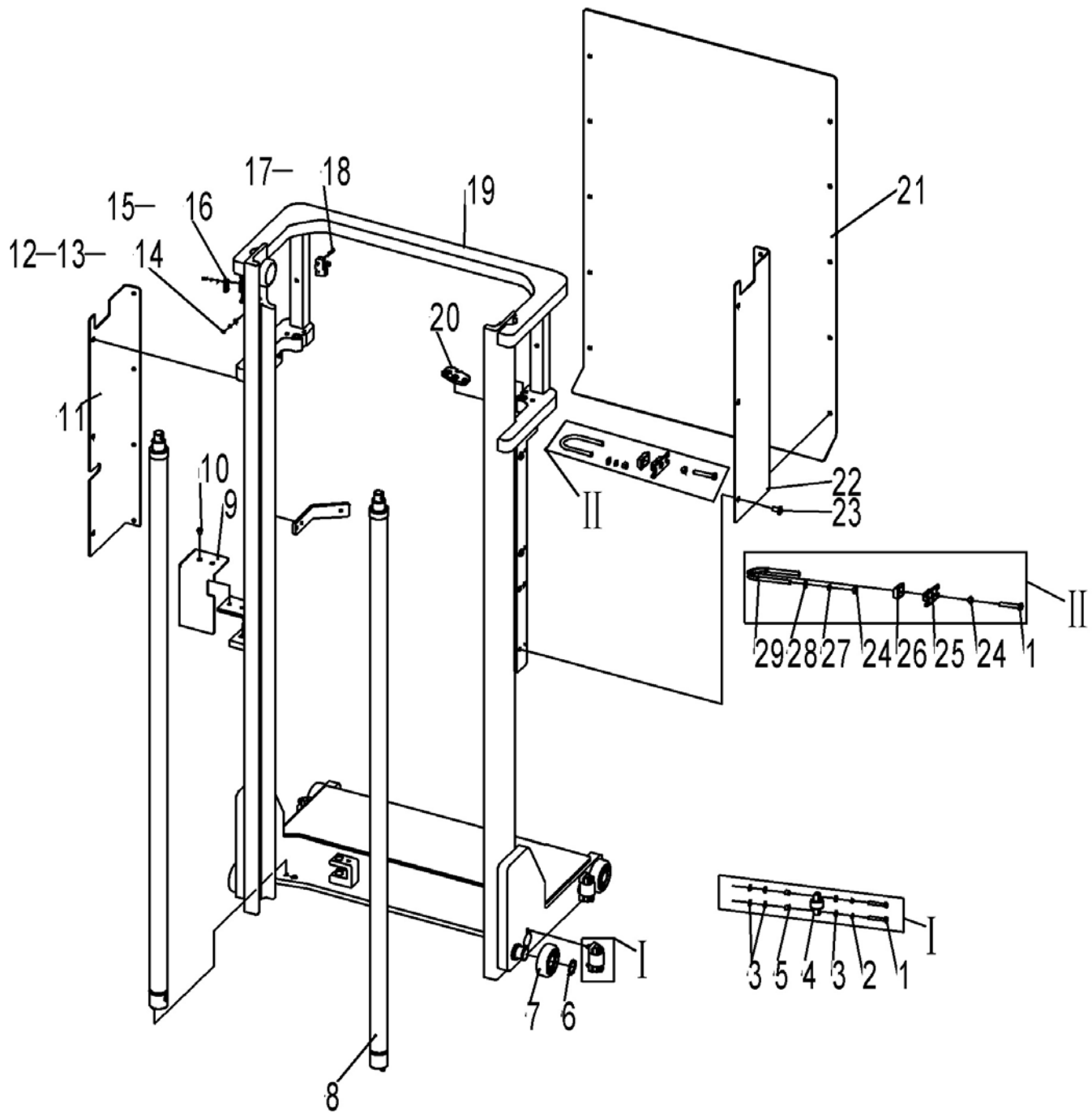
Fig. 13 Outer mast kits (two and three stage mast)



**Fig. 13 Outer Mast Kits (two and three stage mast)**

No.	Art No.	Description	Qty.	Note
15	910200300003	Screw	1	GB70.2-M3x10-8.8
16	920200500001	Magnetic switch	1	HWK23
17	910200500028	Screw	1	GB818-M4x30-4.8
18	920200300001	Micro switch	1	XZ-15GW22-B
19	201544510000	Outer mast welding	1	4800
	201544510001	Outer mast welding	1	4500
	201544510002	Outer mast welding	1	3600
20	201044520029	Assembly plate	1	
21	201544520002	Protective plate	1	4800/1600
	201544520017	Protective plate	1	4500/3000
	201544520018	Protective plate	1	3600/2400/1200
22	201544520000	Assembly frame 1	1	4800
	201544520018	Assembly frame 1	1	4500/3000
	201544520019	Assembly frame 1	1	3600/2400
23	940800700001	Nylon rivet	10	SR-578
24	910300100007	Nut	6	GB6170-M10-10
25	255044020130	Fixing seat (cylinder)	2	
26	255044020129	Protective cover	2	

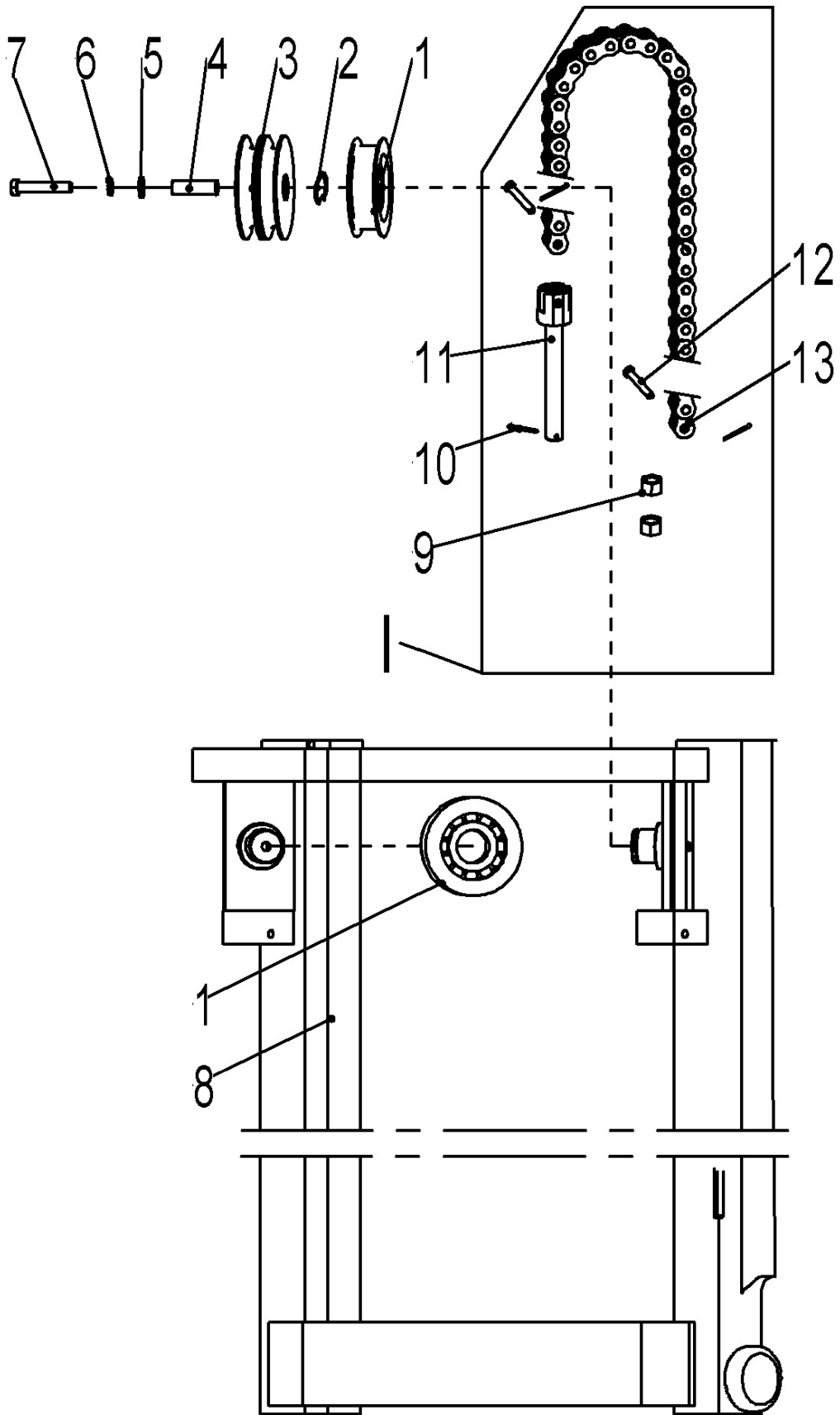
Fig. 13 Outer mast kits (two and three stage mast)



**Fig. 13 Outer Mast Kits (two and three stage mast)**

No.	Art No.	Description	Qty.	Note
27	910400500007	Spring washer	12	
28	910400100007	Flat washer	12	
29	201044520017	Bolt	2	60
I	213098510003	Side roller kits	4	
II	213098510004	Cylinder hoop kits	2	

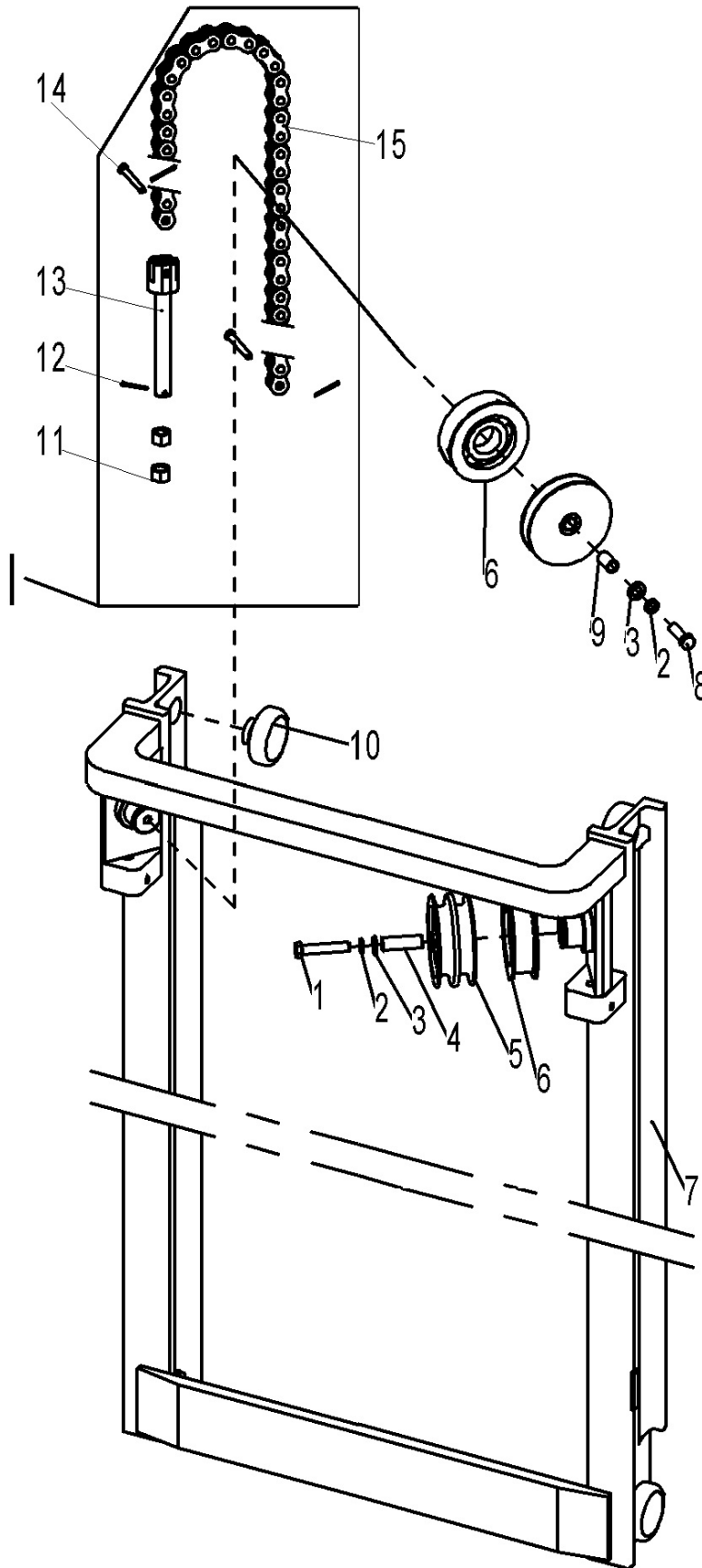
Fig. 14 Inner mast kits (Two stage mast)



**Fig. 14 Inner Mast Kits (two stage mast)**

No.	Art No.	Description	Qty.	Note
1	940200500001	Chain wheel bearing 780708K-100X40X27	2	
2	910401300020	Circlip GB894.1-40	2	
3	201044520040	Pulley 110X24	2	
4	201044520039	Bushing 17X13X54	1	
5	91040010008	Flat washer GB97.1-12-200HV	2	
6	910400500008	Spring washer GB93-12	2	
7	910100300057	Bolt GB5783-M12X70-8.8	2	
8	201544002000	Middle mast welding	1	
9	910300200008	Nut	2	GB6171-M16x1.5-10
10	910600600030	Split pin	2	GB91-3.2x30
11	533243520008	Chain bolt	1	M16x1.5x111
12	910600700029	Axle	2	GB882-B8x40x2
13	201544510017	Chain LH1234-107	2	4800
	201044510017	Chain LH1234-103	2	4500/3000
	201044510019	Chain LH1234-87	2	3600/2400
I	201544502006	Sideward lifting chain collective diagram	1	

Fig. 15 Middle mast kits (three stage mast)

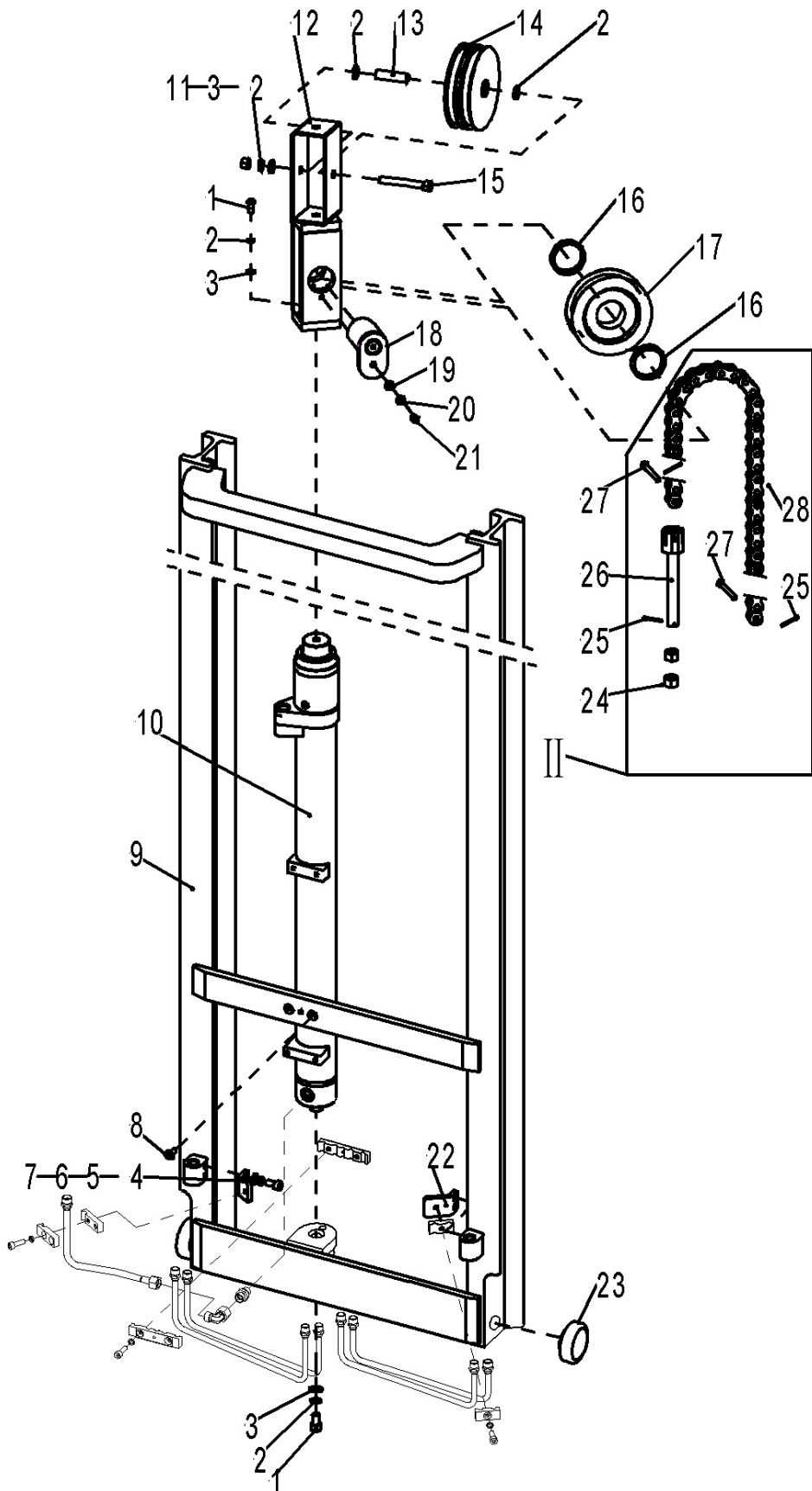


**Fig. 15 Middle Mast Kits (three stage mast)**

No.	Art No.	Description	Qty.	Note
1	910100300057	Bolt	1	GB5783-M12x70-8.8
2	910400500008	Spring washer	2	GB93-12
3	910400100008	Flat washer	2	GB97.1-12-200HV
4	201044520039	Bushing	1	17x13x54
5	201044520040	Pulley	3	110x24
6	940200500001	Chain wheel bearing	2	780708K-100X40X27
7	201544510003	Middle mast welding	1	
	201544510004	Middle mast welding	1	
	201544510005	Middle mast welding	1	
8	910100300052	Bolt	1	GB5783-M12x40-8.8
9	201044520041	Bushing	1	17x13x28
10	940200300012	Compound roller	4	NL077.7.00-00 110-range=50-55
11	910300200008	Nut	2	GB6171-M16x1.5-10
12	910600600030	Split pin	2	GB91-3.2x30
13	533243520008	Chain bolt	1	M16x1.5x111
14	910600700029	Axle	2	GB882-B8x40x2
15	201544510017	Chain LH1234-107	2	4800
	201044510017	Chain LH1234-103	2	4500/3000
	201044510019	Chain LH1234-87	2	3600/2400
I	201544502006	Sideward lifting chain collective diagram	1	



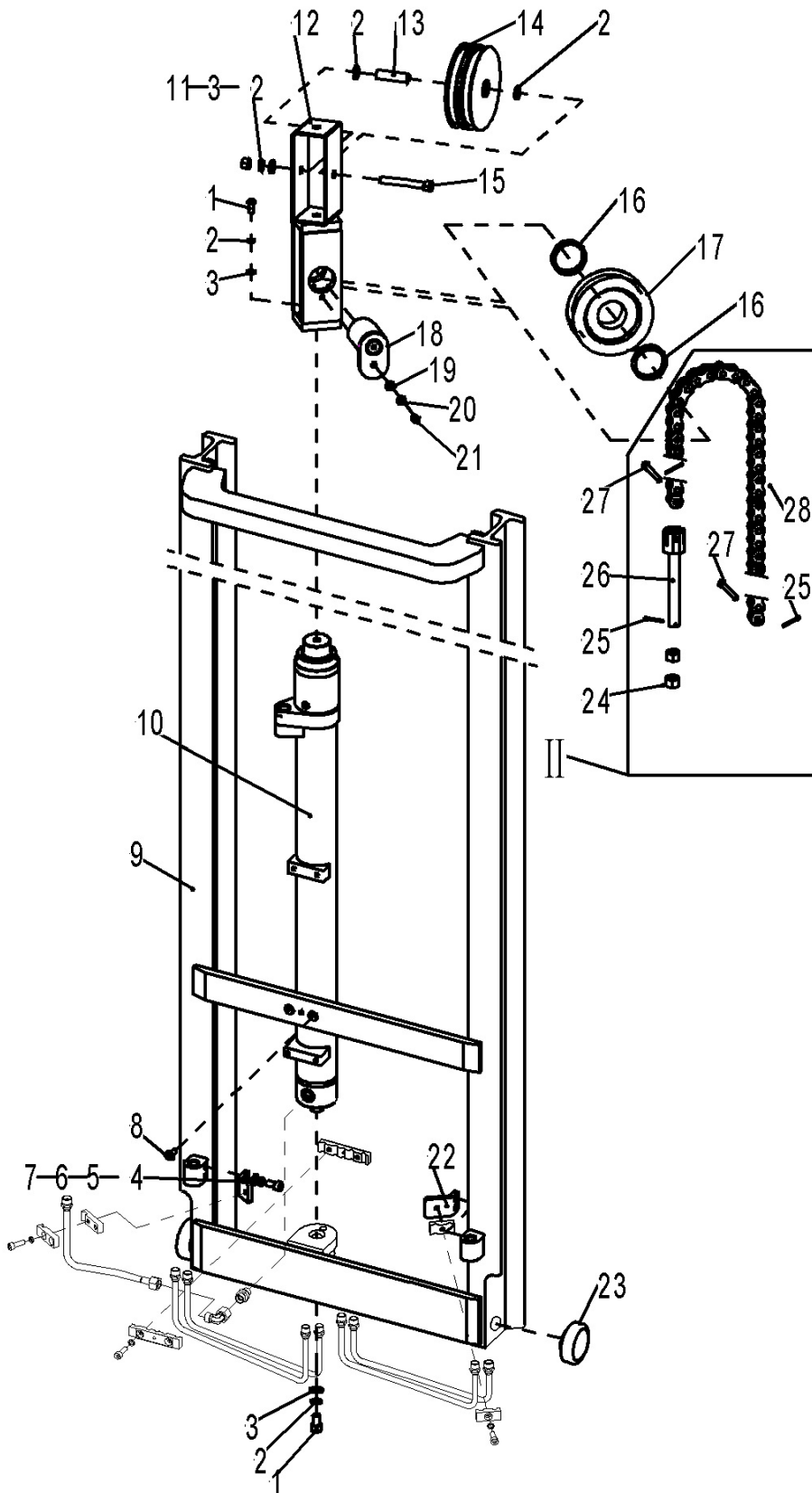
Fig. 16 Inner mast kits (three stage mast)



**Fig. 16 Inner Mast Kits (three stage mast)**

No.	Art No.	Description	Qty.	Note
1	910200200098	Screw	2	GB70.1-M12x30-8.8
2	910400100008	Flat washer GB97.1-12-200HV	5	
3	910400500008	Spring washer	2	GB93-12
4	910200200058	Screw	1	GB70.1-M8x25-8.8
5	910400500006	Spring washer	1	GB93-8
6	910400100006	Flat washer	1	GB97.1-8-200HV
7	201044520060	Assembly plate 3 (Pipe clamp)	1	
8	910200400025	Screw	2	GB70.3-M8x20-8.8
9	201544510006	Inner mast welding	1	
	201544510007	Inner mast welding	1	
	201544510008	Inner mast welding	1	
10	201544510013	Cylinder(M)	1	4800/1600
	201544510014	Cylinder(M)	1	4500
	201544510015	Cylinder(M)	1	3600/1200
	201544510016	Cylinder(M)	1	1800
11	910300100008	Nut	1	GB6170-M12-10
12	201044510001	Chain wheel welding	1	
13	201044520053	Bushing 17x13x62	1	

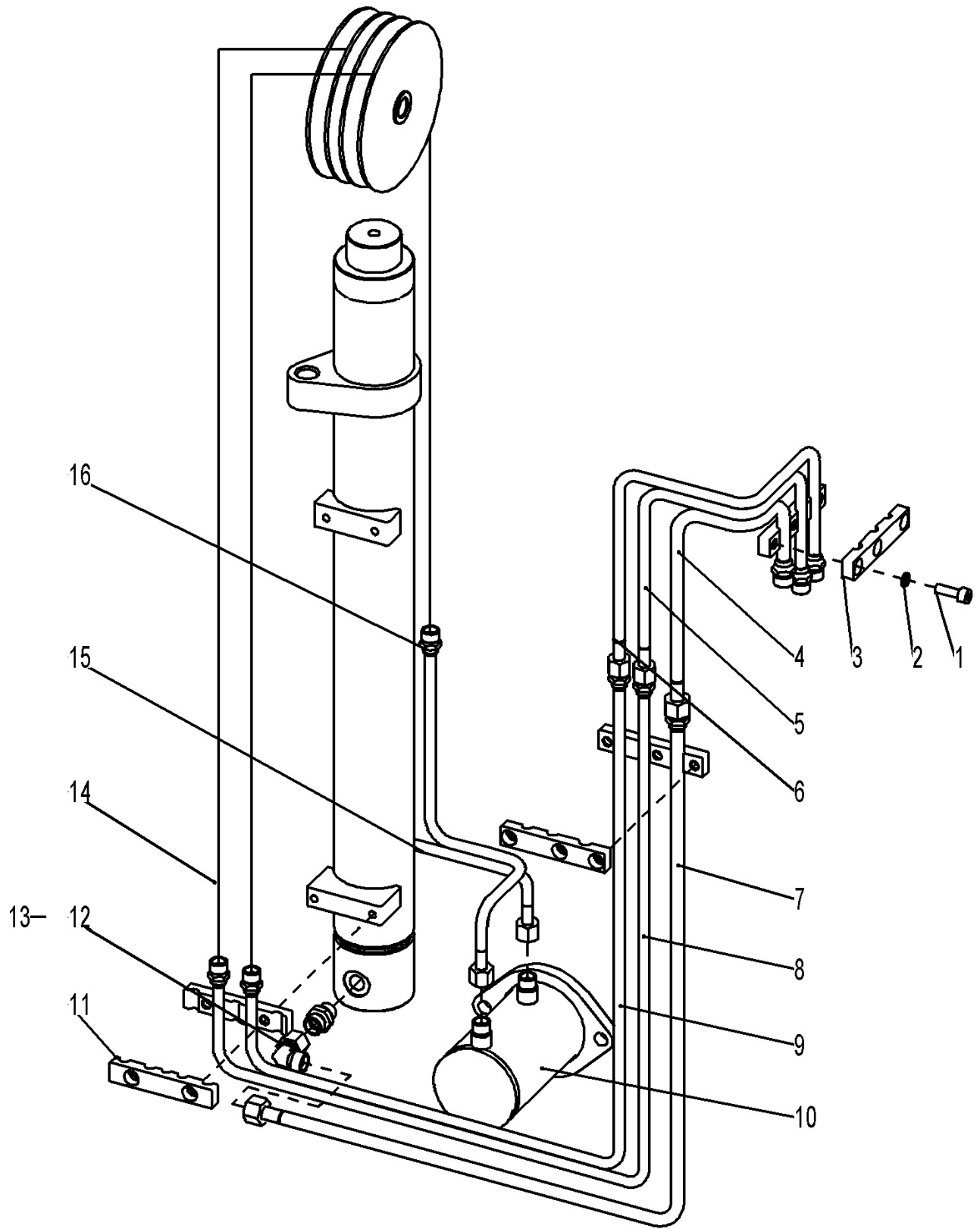
Fig. 16 Inner mast kits (three stage mast)



**Fig. 16 Inner Mast Kits (three stage mast)**

No.	Art No.	Description	Qty.	Note
14	213044520165	Pulley 145x60	1	
15	910100100056	Bolt	1	GB5782-M12x90-8.8
16	201044520056	Spacer	2	54x42x10
17	940200500007	Chain wheel bearing	1	100x40x31.3
18	201044510000	Axle with plate 40x76	1	
19	910400100006	Flat washer	1	GB97.1-8-200HV
20	910400500006	Spring washer	5	GB93-8
21	910200200058	Screw	1	GB70.1-M8x25-8.8
22	201044520063	Assembly plate 4 (Pipe clamp)	1	
23	940200300012	Compound roller	2	NL077.7.00-00 110-range=50-55
24	910300200005	Nut	2	GB6171-M20x1.5-10
25	910600600030	Split pin	2	GB91-3.2x30
26	532644020096	Chain bolt	1	M16x1.5x111
27	213044520005	Axle	2	9.5x52
28	201043010006	Chain LH1234-79	1	4800/1800
	201044510016	Chain LH1234-77	1	4500/1600
	201044510018	Chain LH1234-67	1	3600/1200
II	201544502005	Middle lifting chain collective diagram	1	

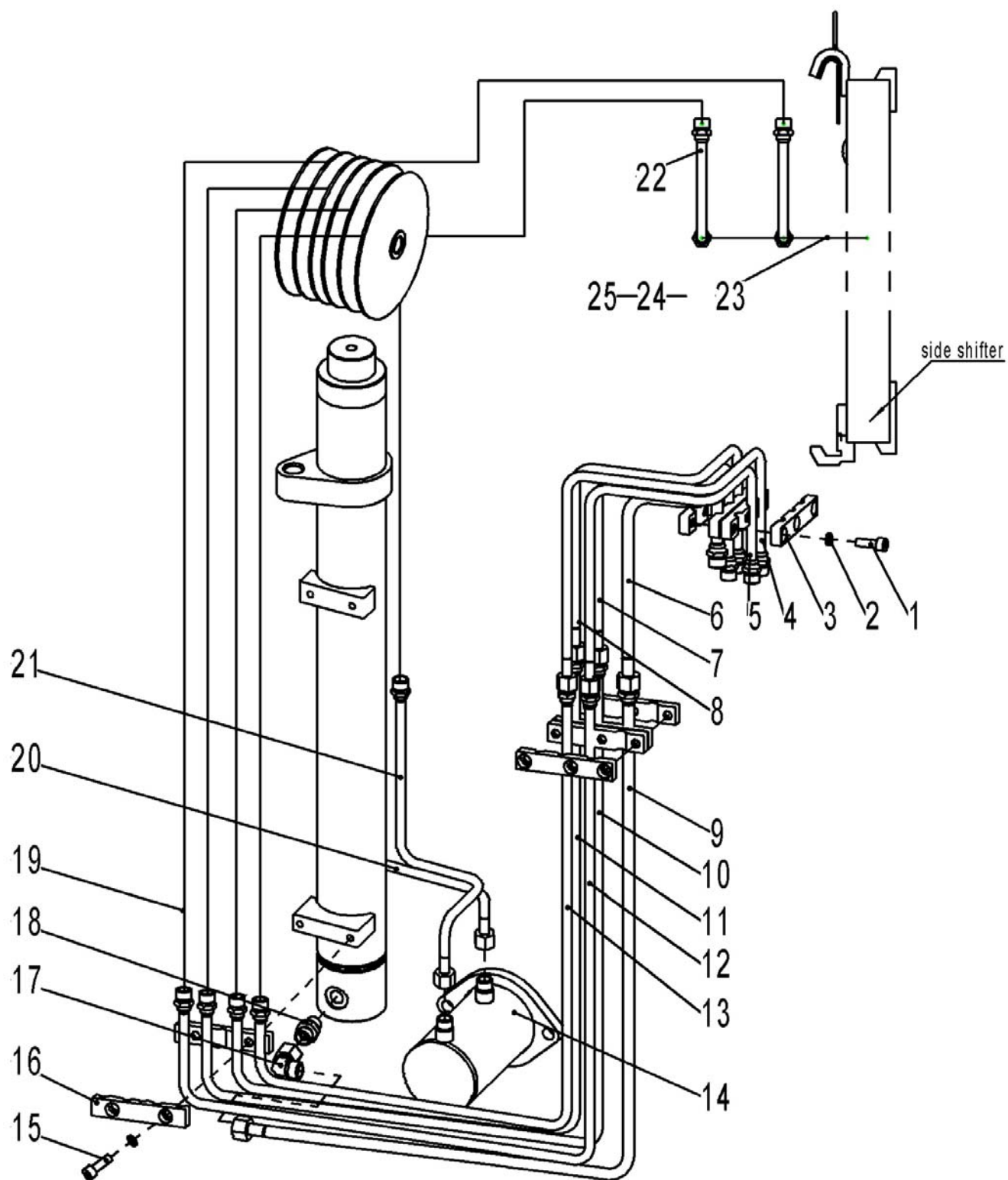
Fig. 17 Single mast hydraulic pipeline (three ways)



**Fig. 17 Single Mast Hydraulic Pipeline (three ways)**

No.	Art No.	Description	Qty.	Note
1	910200200058	Screw	8	GB70.1-M8x25-8.8
2	910400500006	Spring washer	8	GB93-8
3	201044520022	Pipe clamp	4	2x10-12
4	201043020009	Hydraulic pipe welding 1	1	
5	201043020010	Hydraulic pipe welding 2	1	
6	201043020011	Hydraulic pipe welding 3	1	
7	201543020011	Hydraulic pipe welding 1	1	
8	201543020012	Hydraulic pipe welding 2	1	
9	201543020013	Hydraulic pipe welding 3	1	
10	201020510000	Tilt cylinder kits	1	
11	201044520062	Pipe clamp	2	2x10
12	950400400004	Joint (straight)	1	12-M16x1.5-M18x1.5-2 4°
13	950400200004	Joint (turning)	1	12-2xM18x1.5-24°
14	201043020015	Hydraulic hose assembly (straight)	2	4800/1600
	201044520092	Hydraulic hose assembly (straight)	2	3600/1200
	201043020017	Hydraulic hose assembly (straight)	2	1800
15	201044520073	Hydraulic pipe welding 9	1	
16	201044520074	Hydraulic pipe welding 10	1	

Fig. 18 Single mast hydraulic pipeline (four ways)

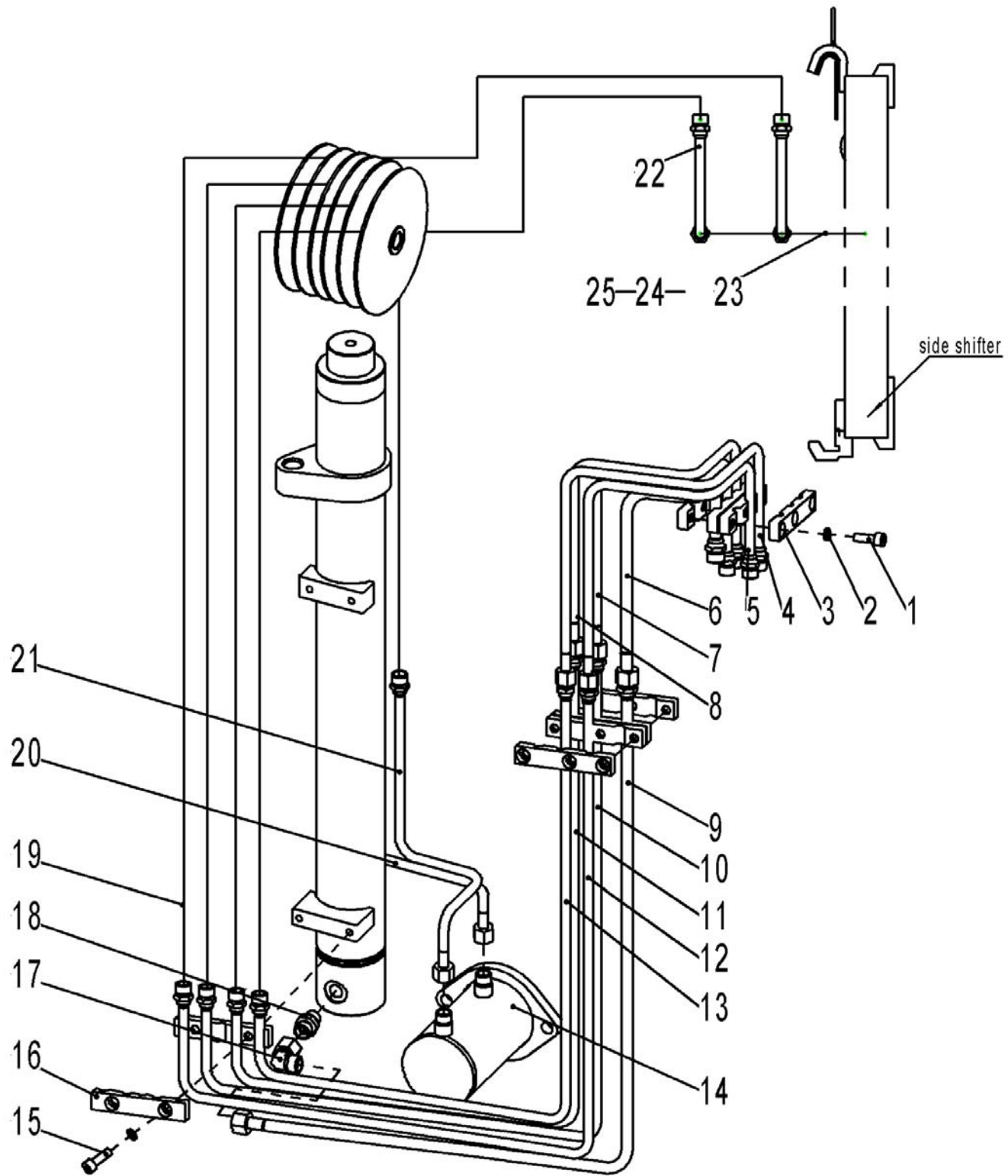


**Fig. 18 Single mast hydraulic pipeline (four ways)**

No.	Art No.	Description	Qty.	Note
1	910200200064	Screw	4	GB70.1-M8x55-8.8
2	910400500006	Spring washer	6	GB93-8
3	201044520022	Clamp	4	2x10-12
4	201527020003	Hydraulic pipe welding 3	1	
5	201527020002	Hydraulic pipe welding 2	1	
6	201043020009	Hydraulic pipe welding 1	1	
7	201043020010	Hydraulic pipe welding 2	1	
8	201043020011	Hydraulic pipe welding 3	1	
9	201543020011	Hydraulic pipe welding 1	1	
10	201543020012	Hydraulic pipe welding 2	1	
11	201543020013	Hydraulic pipe welding 3	1	
12	201527020000	Hydraulic pipe welding 1	1	
13	201527020001	Hydraulic pipe welding 2	1	
14	201020510000	Tilt cylinder components	1	
15	910200200058	Screw	2	GB70.1-M8x25-8.8
16	201044520062	Clamp	2	2x10
17	950400400004	Joint (straight)	1	12-M16x1.5-M18x1.5-2 4°
18	950400200004	Joint (turning)	1	12-2xM18x1.5-24°



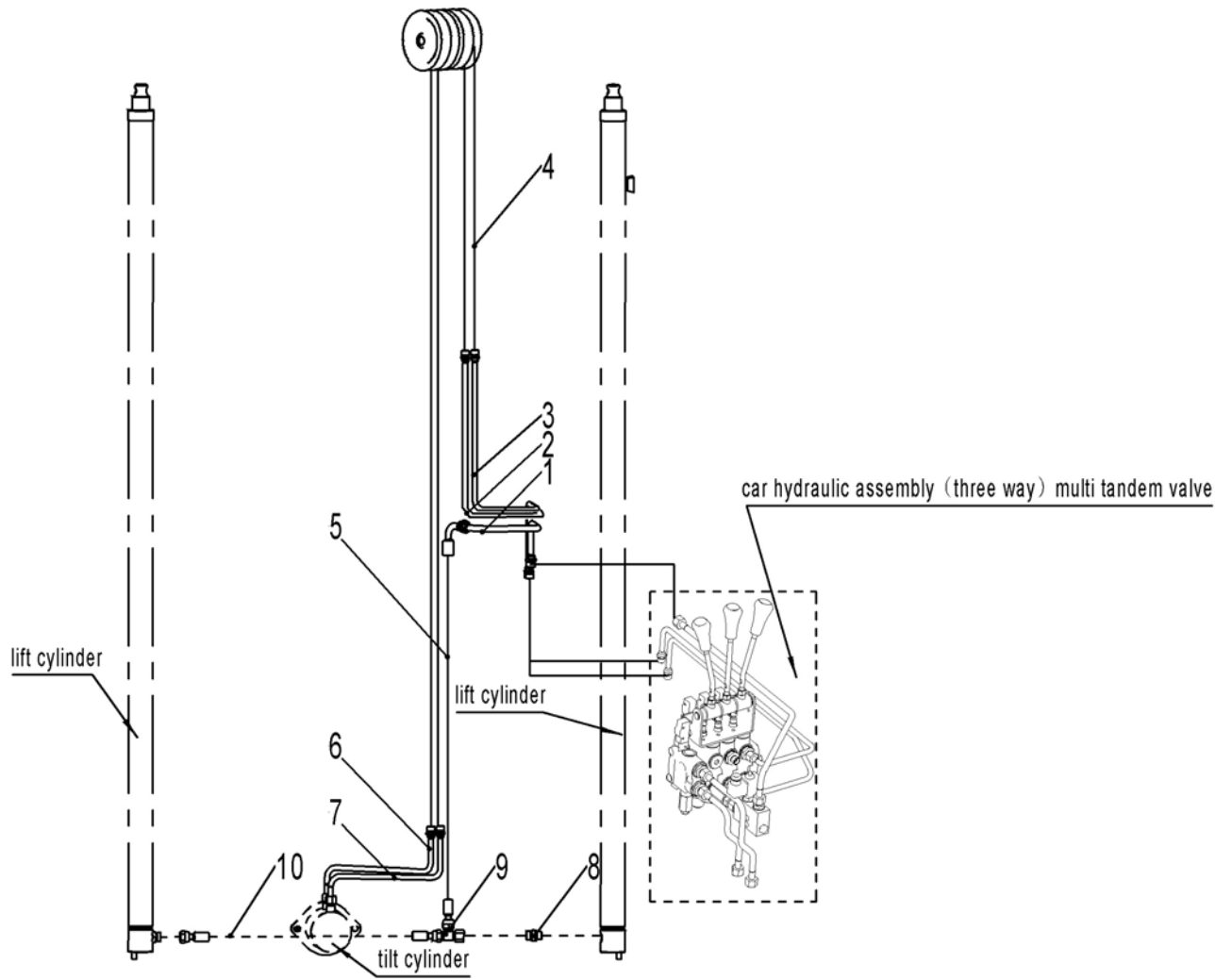
Fig. 18 Single mast hydraulic pipeline (four ways)



**Fig. 18 Single mast hydraulic pipeline (four ways)**

No.	Art No.	Description	Qty.	Note
19	201043020015	Hydraulic hose assembly(straight)	4	4800/1600
	201044520092	Hydraulic hose assembly(straight)	4	3600/1200
	201043020017	Hydraulic hose assembly(straight)	4	1800
20	201044520073	Hydraulic pipe welding 9	1	
21	201044520074	Hydraulic pipe welding 10	1	
22	201030520012	Hydraulic pipe welding 10	2	
23	201030520013	Hydraulic hose assembly	2	(90°)10-L250-1SC-24 。
24	201030520014	Damping hole	2	0.8
25	950401100003	Joint	2	10-G1/4-M16x1.5-24°

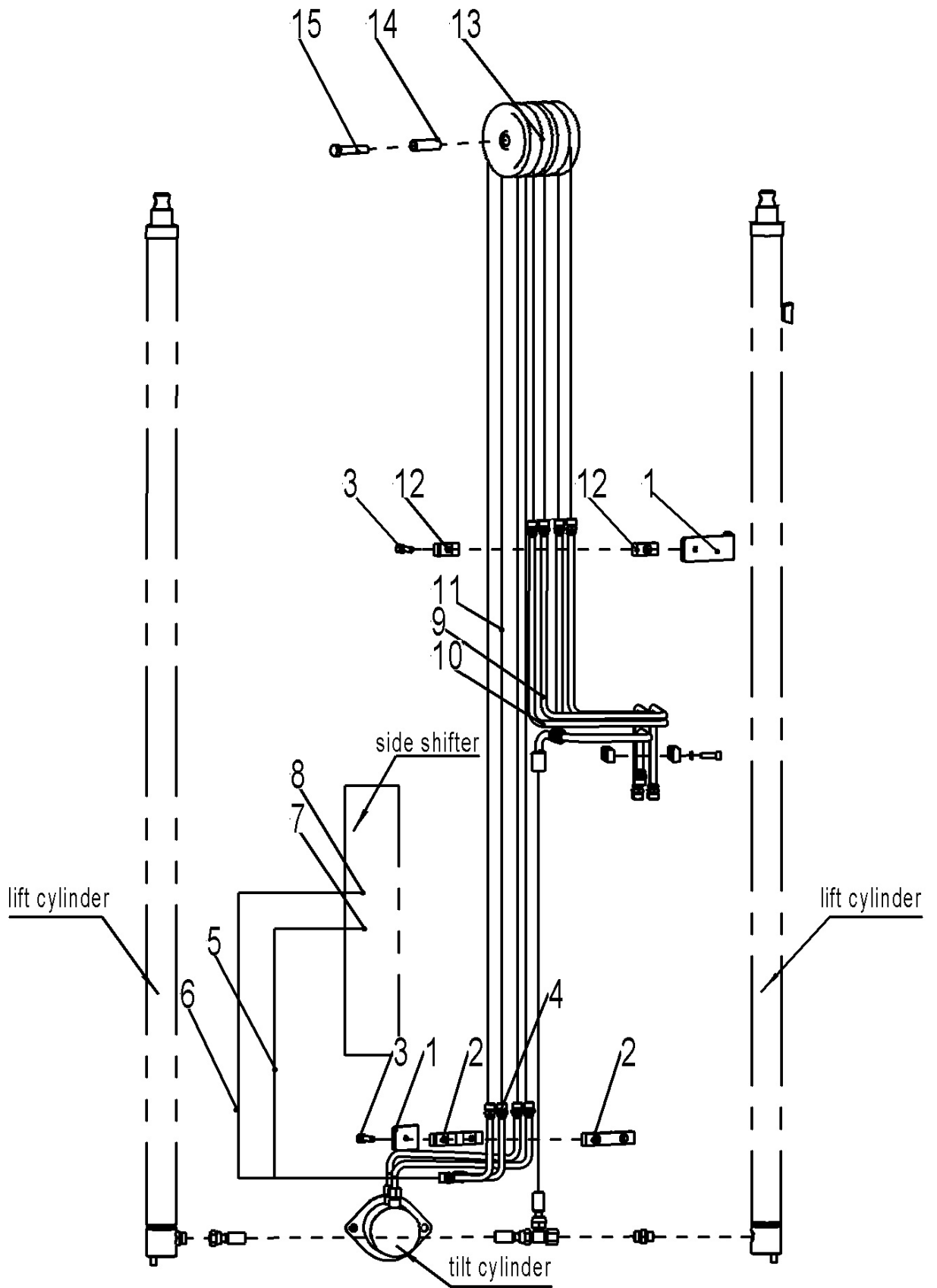
Fig. 19 Two stage mast hydraulic pipeline (three ways)



**Fig. 19 Two Stage Mast Hydraulic Pipeline (three ways)**

No.	Art No.	Description	Qty.	Note
1	201044520070	Hydraulic pipe welding 6	1	
2	201044520071	Hydraulic pipe welding 7	1	
3	201044520072	Hydraulic pipe welding 8	1	
4	201544502013	Hydraulic hose assembly 1 collective	1	
5	201044520087	Hydraulic hose assembly (90°)	1	12-L820-2SC-24°
6	201544020000	Hydraulic pipe welding 1	1	
7	201544020001	Hydraulic pipe welding 2	1	
8	950400400004	Joint (straight)	2	12-M16x1.5-M18x1.5-24°
9	950401000001	Joint (turning L)	1	12-3x18x1.5-24°
10	201544020003	Hydraulic hose assembly (straight)	1	12-L590-2SC-24°

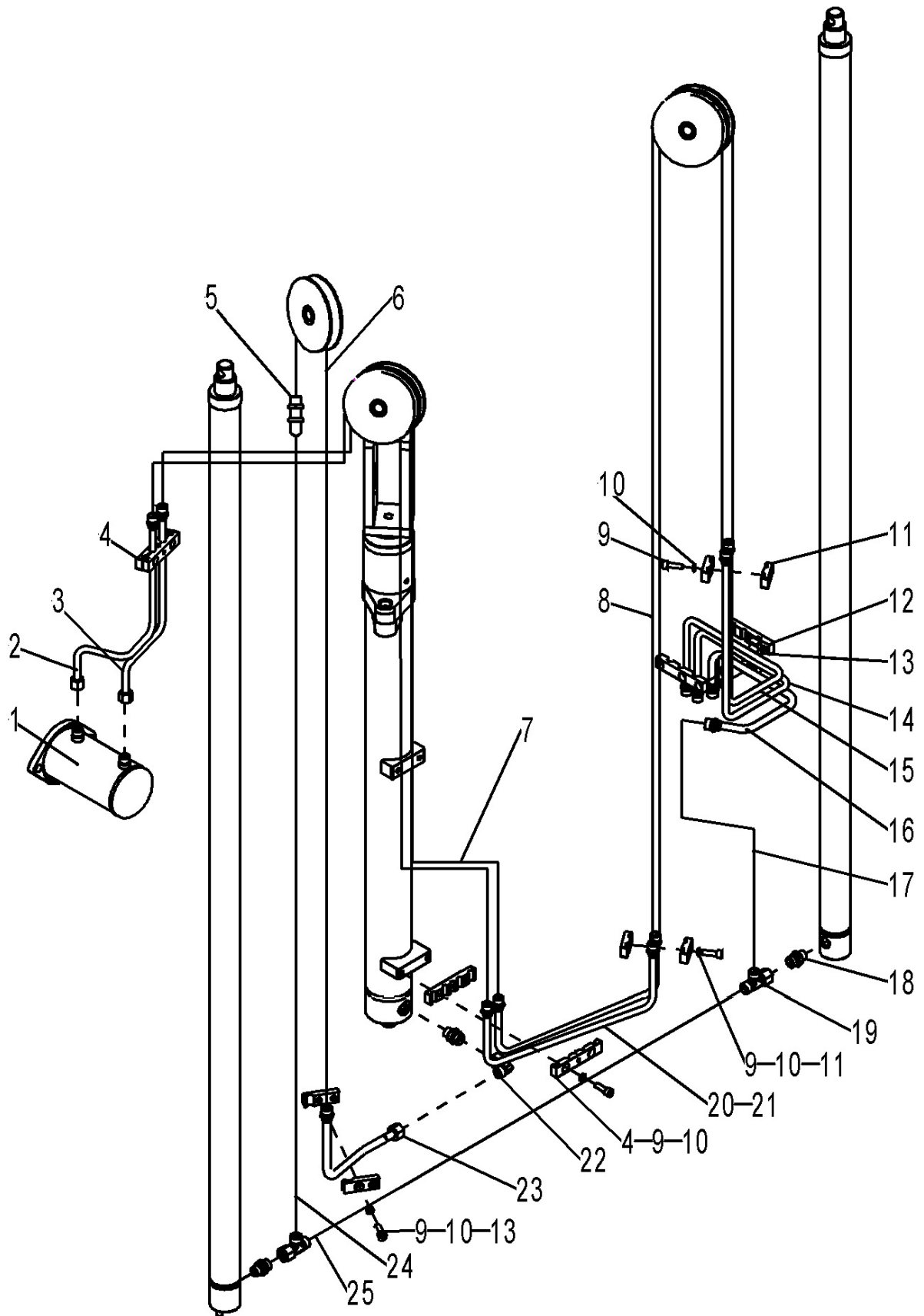
Fig. 20 Two stage mast hydraulic pipeline (four ways)



**Fig. 20 Two Stage Mast Hydraulic Pipeline (four ways)**

No.	Art No.	Description	Qty.	Note
1	201030520011	Assembly plate 4 (Pipe clamp)	1	
2	201038020012	Pipe clamp	4	4x10-8
3	91020020058	Screw	2	GB70.1-M8X25-8.8
4	201027520000	Hydraulic pipe welding 5	2	
5	201027520002	Hydraulic hose assembly (90°)	1	10-L300-1SC-24
6	532624020013	Hydraulic hose assembly (straight)	1	10-L450-1SC-24°
7	950401100003	Joint	2	10-G1/4-M16X1.5-24°
8	201030520014	Damping fin	2	
9	201030520000	Hydraulic pipe welding 3	1	
10	201030520001	Hydraulic pipe welding 4	1	
11	201544502013	Hydraulic hose assembly 1 collective diagram	1	
12	201030520006	Assembly plate 1 (Pipe clamp)	1	
13	213030520007	Pulley	1	110X112
14	201030520007	Bushing	1	17X13X14
15	910100100061	Bolt	1	GB5782-M12X130-8.8

Fig. 21 Three stage mast hydraulic pipeline (three ways)

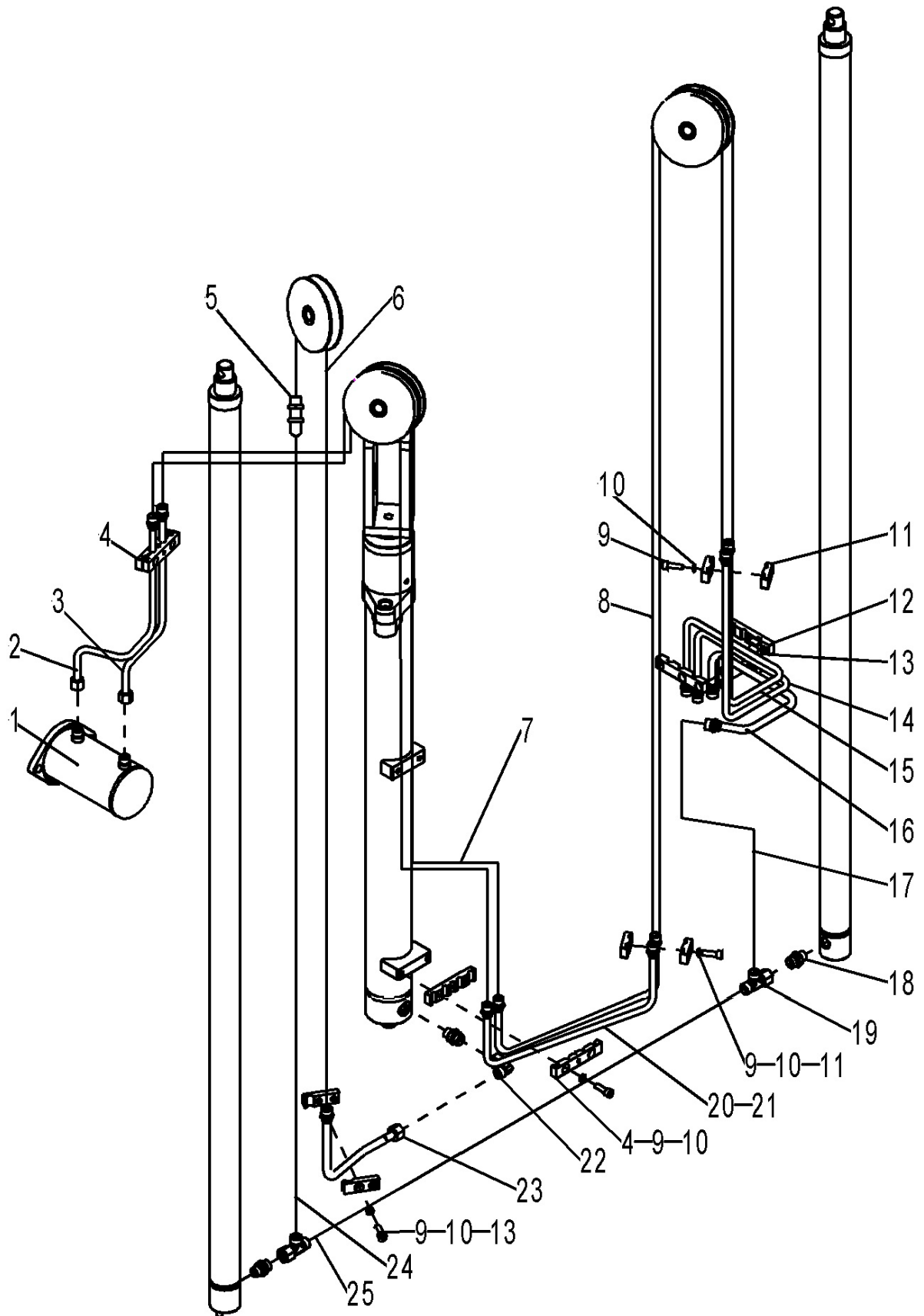


**Fig. 21 Three Stage Mast Hydraulic Pipeline (three ways)**

No.	Art No.	Description	Qty.	Note
1	201020510000	Tilt cylinder kits	1	
2	201044520074	Hydraulic pipe welding 10	1	
3	201044520073	Hydraulic pipe welding 9	1	
4	201038020012	Pipe clamp	4	4x10-8
5	950400600003	Joint	1	
6	201544520036	Hydraulic hose assembly 3 (straight)	1	4800
	201044520082	Hydraulic hose assembly 3 (straight)	1	4500
	201044520083	Hydraulic hose assembly 3 (straight)	1	3600
7	201043020015	Hydraulic hose assembly 2 (straight)	4	4800/1600
	201044520080	Hydraulic hose assembly 2 (straight)	4	4500
	201044520092	Hydraulic hose assembly 2 (straight)	4	3600/1200
8	201544520035	Hydraulic hose assembly 1 (straight)	2	4800
	201044520078	Hydraulic hose assembly 1 (straight)	2	4500/3000
	201044520092	Hydraulic hose assembly 1 (straight)	2	3600/2400
9	910200200058	Screw	10	GB70.1-M8x25-8.8
10	910400500006	Spring washer	10	GB93-8
11	201044520027	Pipe clamp	4	2x10
12	201038020012	Pipe clamp	6	4x10-8



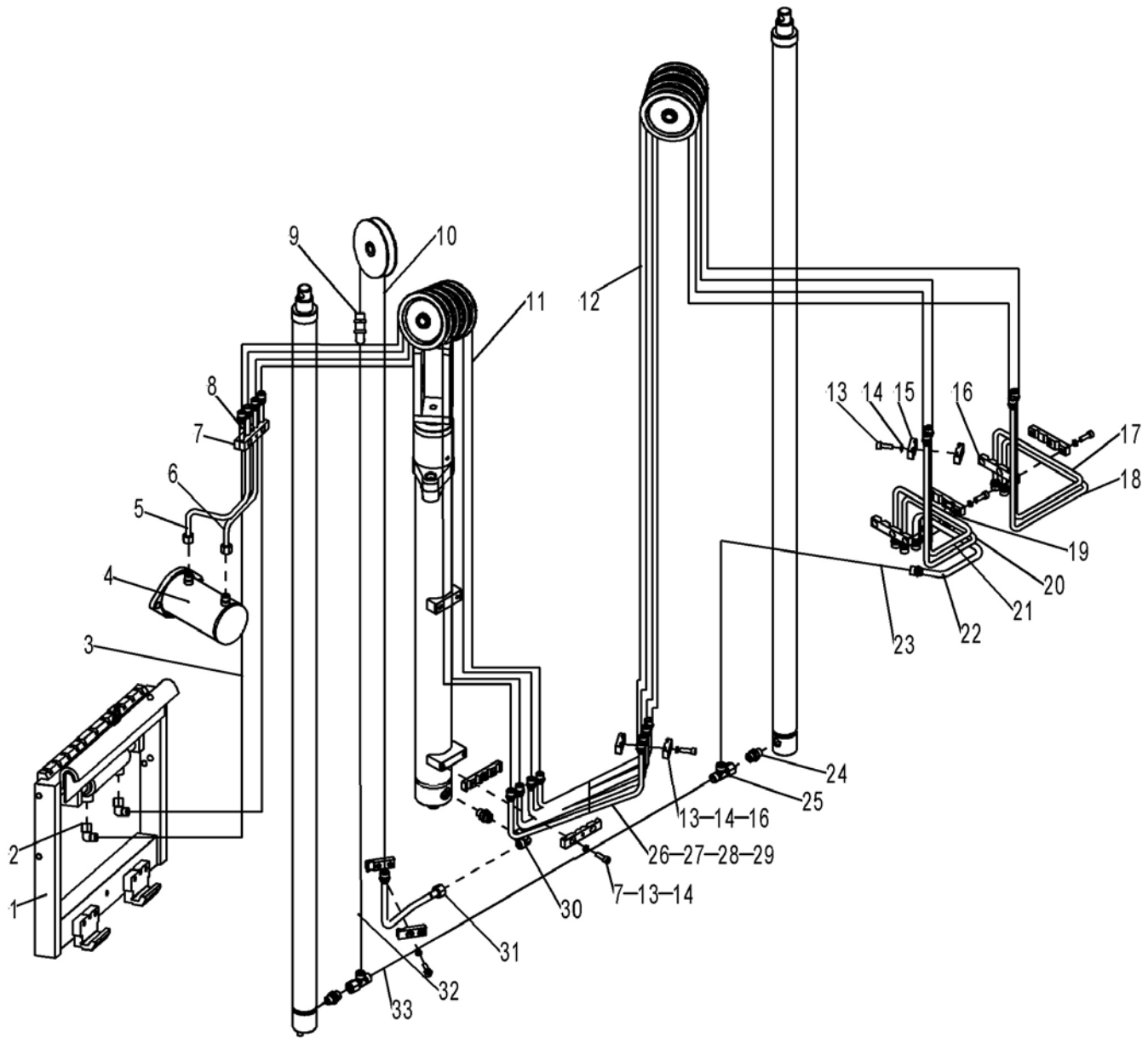
Fig. 21 Three stage mast hydraulic pipeline (three ways)



**Fig. 21 Three Stage Mast Hydraulic Pipeline (three ways)**

No.	Art No.	Description	Qty.	Note
13	201044520022	Pipe clamp	2	2x10-12
14	201044520072	Hydraulic pipe welding 8	1	
15	201044520071	Hydraulic pipe welding 7	1	
16	201044520070	Hydraulic pipe welding 6	1	
17	201044520087	Hydraulic hose assembly (90°)	1	
18	950400400004	Joint (straight)	3	
19	950401000001	Joint (turning L)	2	
	201044520082	Hydraulic hose assembly 3 (straight)	1	4500
	201044520083	Hydraulic hose assembly 3 (straight)	1	3600
20	201530520000	Hydraulic pipe welding 1	1	
21	201530520001	Hydraulic pipe welding 2	1	
22	950400200004	Joint (turning)	1	
23	201544520033	Hydraulic pipe welding 3	1	
24	201544520037	Hydraulic hose assembly4 (90°)	1	
	201044520084	Hydraulic hose assembly4 (90°)	1	
	201044520085	Hydraulic hose assembly4 (90°)	1	
25	201044520087	Hydraulic hose assembly (90°)	1	

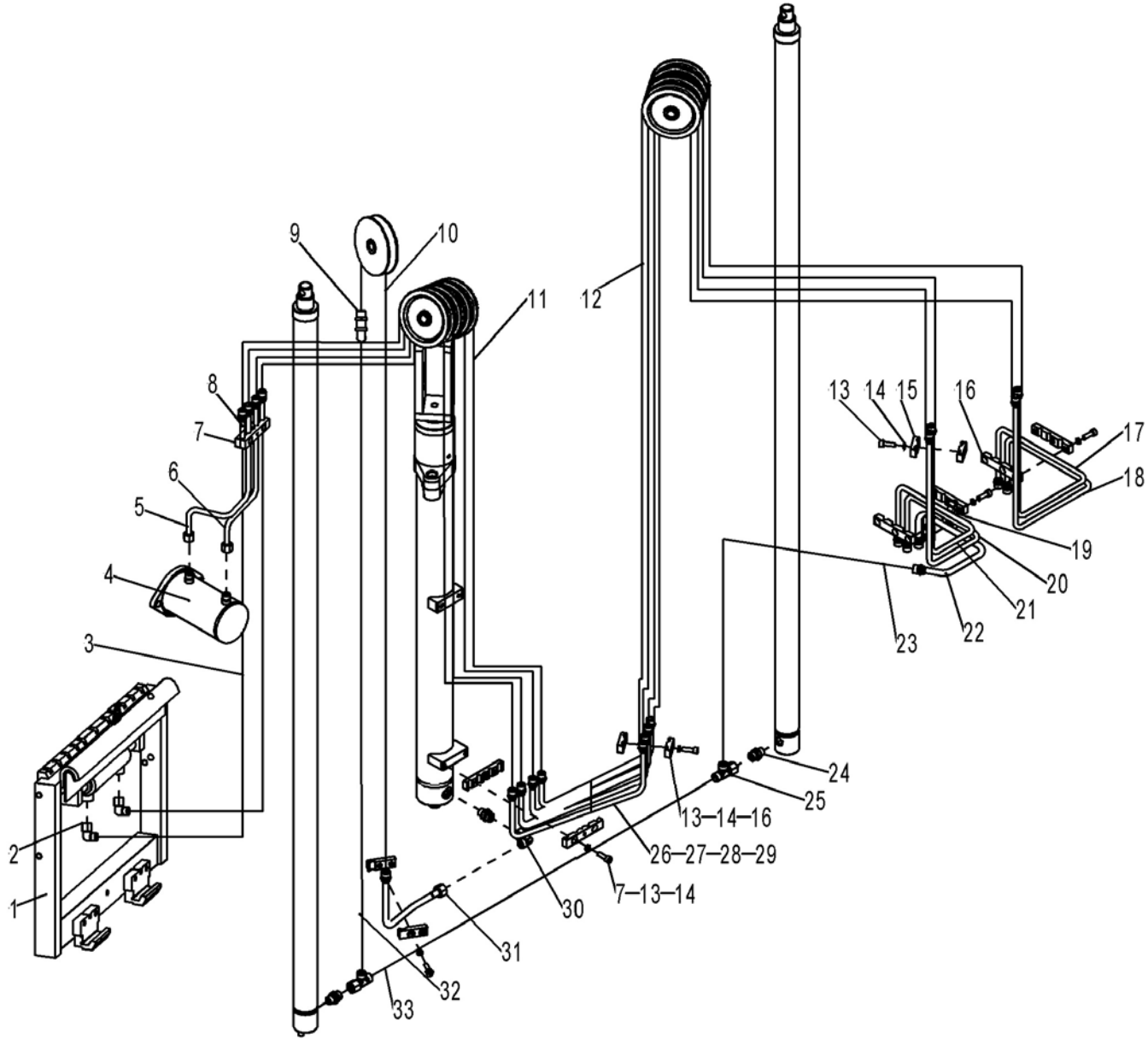
Fig. 22 Three stage mast hydraulic pipeline (four ways)



**Fig. 22 Three Stage Mast Hydraulic Pipeline (four ways)**

No.	Art No.	Description	Qty.	Note
1	940100200001	Side shifter	1	GC20NL
2	950401100003	Joint	2	
3	201030520013	Hydraulic hose assembly (90°)	2	
4	201020510000	Tilt cylinder	1	
5	201044520074	Hydraulic pipe welding 10	1	
6	201044520073	Hydraulic pipe welding 9	1	
7	201030520012	Hydraulic pipe welding 10	2	
8	201030520012	Hydraulic pipe welding 10	2	
9	950400600003	Joint	1	
10	201544520036	Hydraulic hose assembly 3 (straight)	1	4800
	201044520082	Hydraulic hose assembly 3 (straight)	1	4500
	201044520083	Hydraulic hose assembly 3 (straight)	1	3600
11	201043020015	Hydraulic hose assembly 2 (straight)	4	4800/1600
	201044520080	Hydraulic hose assembly 2 (straight)	4	4500
	201044520092	Hydraulic hose assembly 2 (straight)	4	3600/1200
12	201544520035	Hydraulic hose assembly 1 (straight)	2	4800
	201044520078	Hydraulic hose assembly 1 (straight)	2	4500/3000
	201044520092	Hydraulic hose assembly 1 (straight)	2	3600/2400

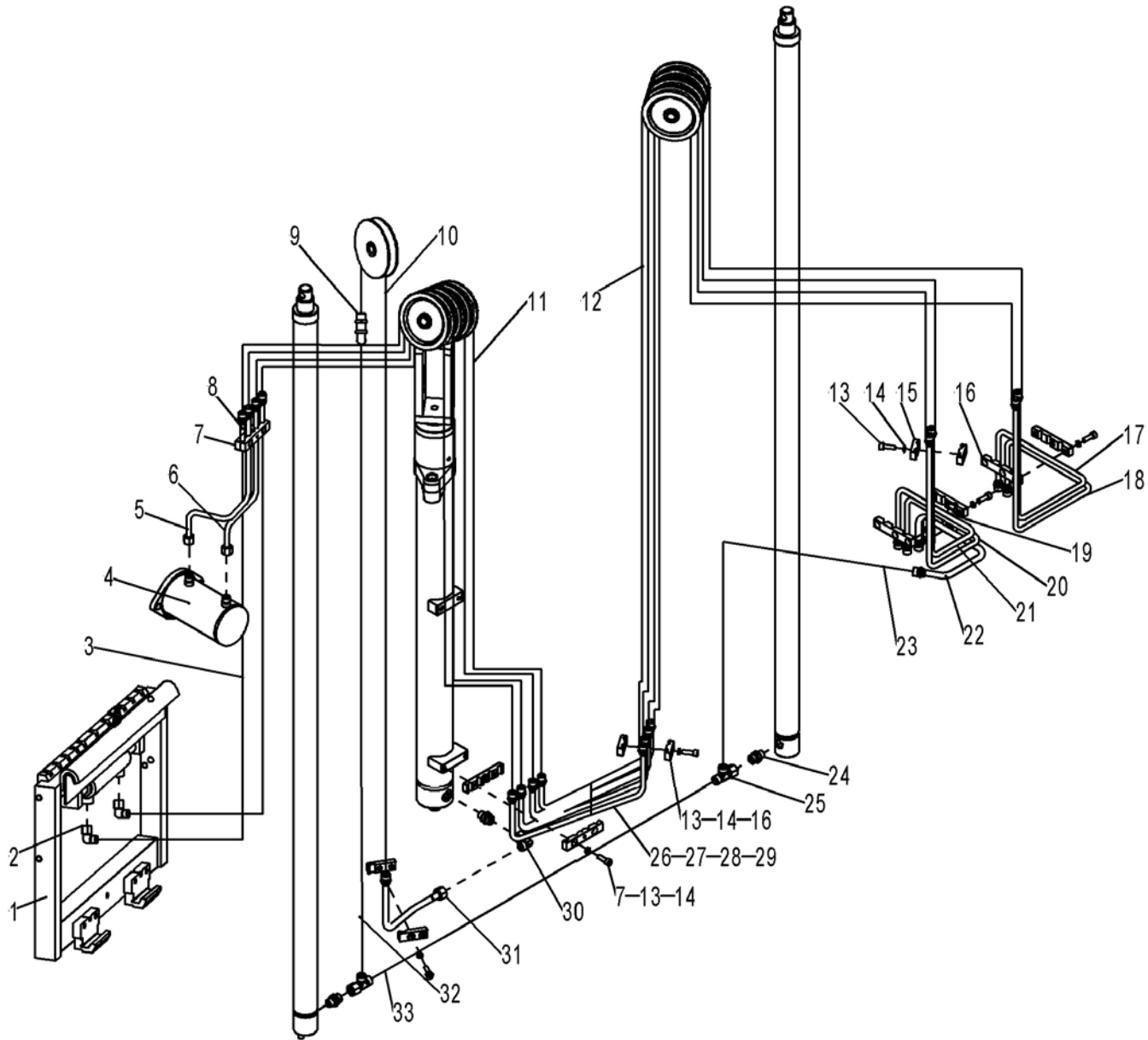
Fig.22 Three stage mast hydraulic pipeline (four ways)



**Fig. 22 Three Stage Mast Hydraulic Pipeline (four ways)**

13	910200200058	Screw	10	GB70.1-M8x25-8.8
14	910400500006	Spring washer	10	GB93-8
15	201044520027	Pipe clamp	4	2x10
16	201038020012	Pipe clamp	8	4x10-8
17	201030520001	Hydraulic pipe welding 4	1	
18	201030520000	Hydraulic pipe welding 3	1	
19	201044520022	Pipe clamp	2	2x10-12
20	201044520072	Hydraulic pipe welding 8	1	
21	201044520071	Hydraulic pipe welding 7	1	
22	201044520070	Hydraulic pipe welding 6	1	
23	201044520087	Hydraulic hose assembly	1	
24	950400400004	Joint	3	
25	950401000001	Joint	2	
26	201530520000	Hydraulic pipe welding 1	1	
27	201530520001	Hydraulic pipe welding 2	1	
28	201530520002	Hydraulic pipe welding 3	1	
29	201530520003	Hydraulic pipe welding 4	1	
30	950400200004	Turning connecting joint	1	
31	201544520033	Hydraulic pipe welding 13	1	

Fig. 22 Three stage mast hydraulic pipeline (four ways)

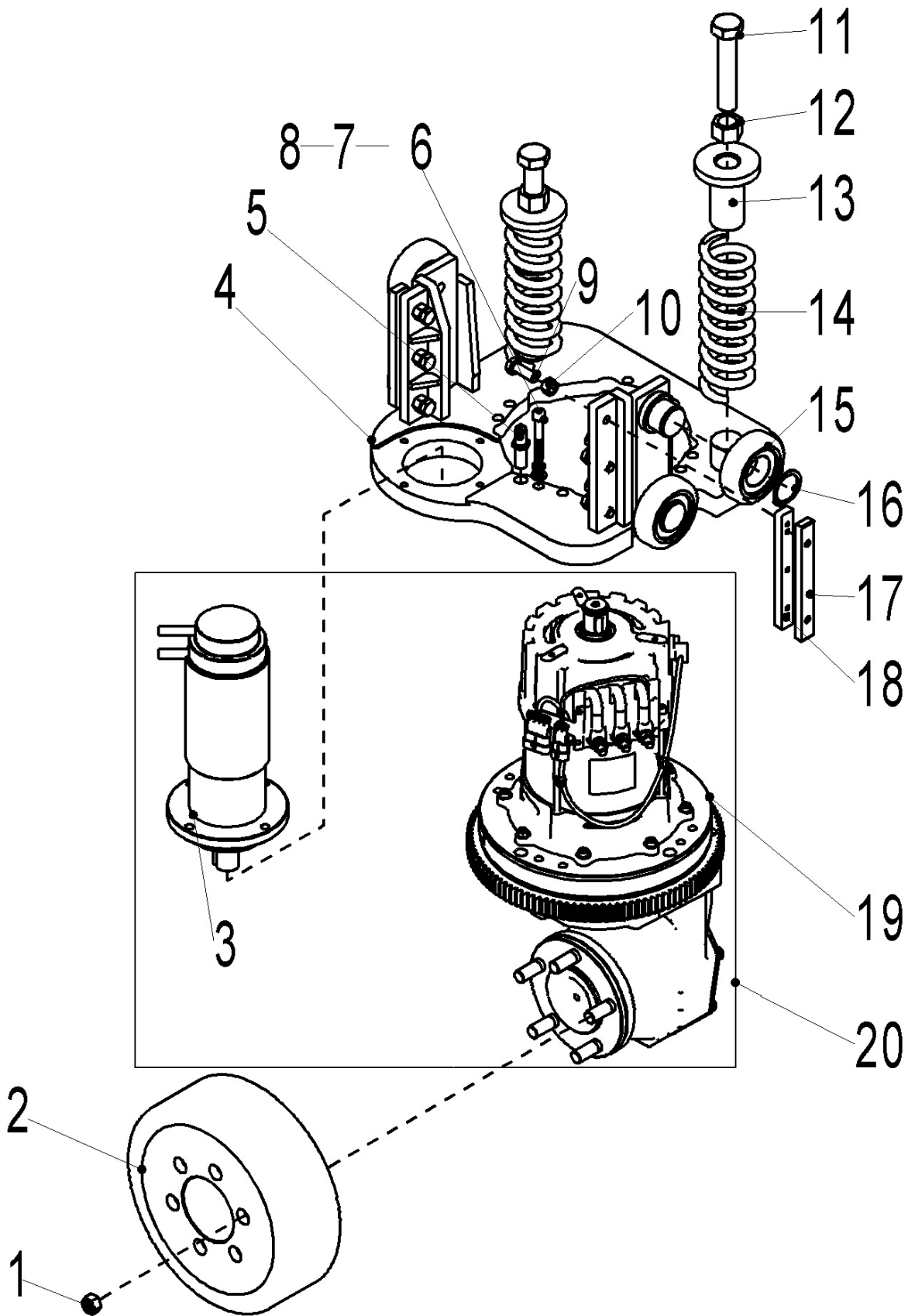


**Fig. 22 Three Stage Mast Hydraulic Pipeline (four ways)**

32	201544520037	Hydraulic hose assembly 4 (90°)	1	
	201044520084	Hydraulic hose assembly 4 (90°)	1	
	201044520085	Hydraulic hose assembly 4 (90°)	1	
33	201044520087	Hydraulic hose assembly (90°)	1	



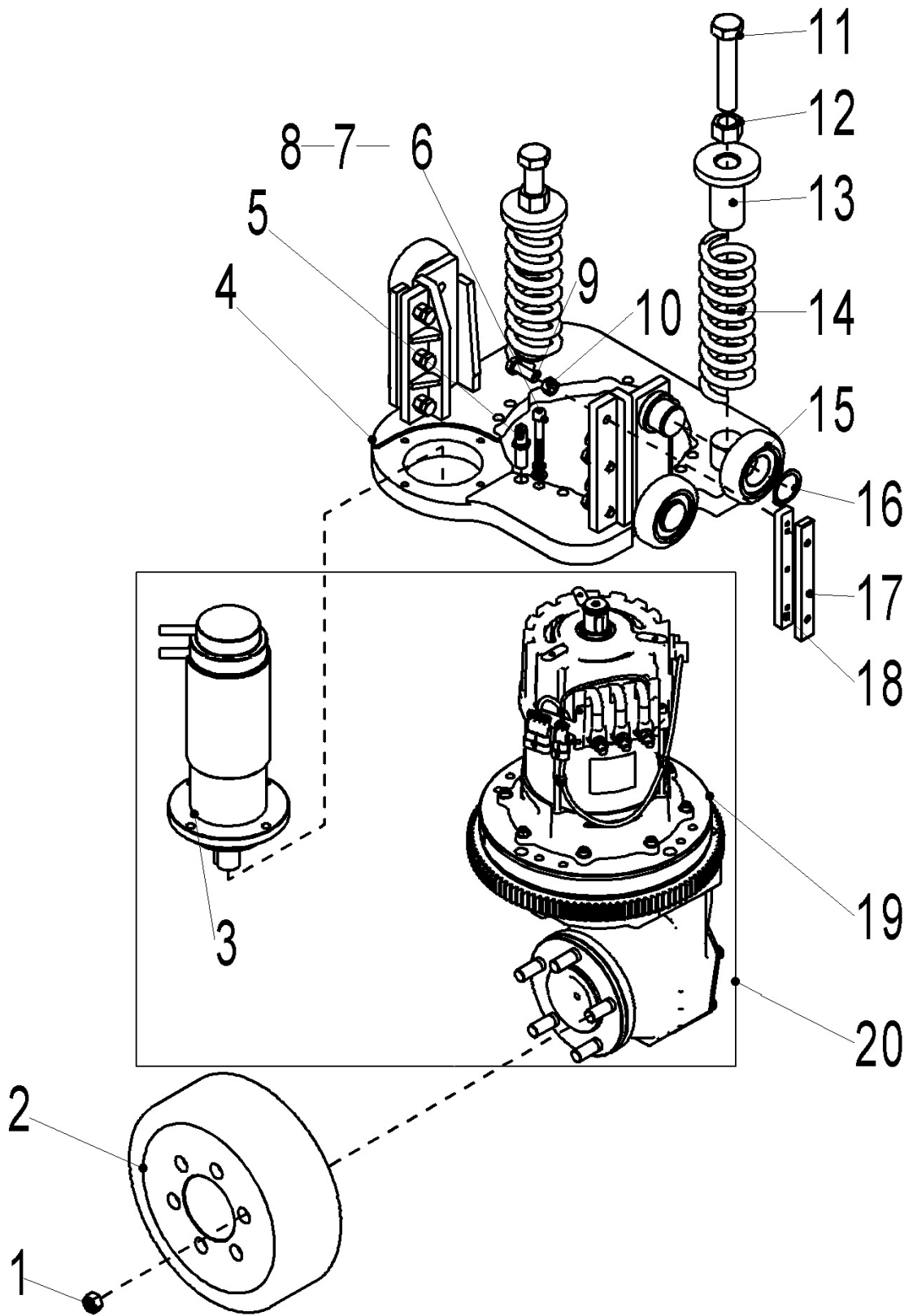
Fig. 23 Drive assembly



**Fig.23 Drive Assembly**

No.	Art No.	Description	Qty.	Note
1	275015520005	Nut	5	
2	940300400002	Drive wheel	1	250x82
3	940900600004	Drive turning assembly	1	5.53.534.0-AC-2.6KW
4	201013510001	Drive wheel frame welding	1	
5	505733510001	Proximity switch	1	
6	910200200064	Screw	6	GB70.1-M8x55-8.8
7	910400500006	Spring washer	6	GB93-8
8	910400100006	Flat washer	6	GB97.1-8-200HV
9	910100300037	Bolt	6	GB5783-M10x30-8.8
10	910300100007	Nut	6	GB6170-M10-10
11	910100300088	Bolt	2	GB5783-M20x100-8.
12	910300100012	Nut	2	GB6170-M20-10
13	216513520003	Damping spring guide rod	2	
14	201013520011	Damping spring	2	50x10x197
15	940200100011	Main roller	4	
16	910401300018	Circlip	4	GB894.1-35
17	940500500001	Self lubricating wear plate	2	18x150x10
18	201013520000	Spherical hinge assembly plate	2	

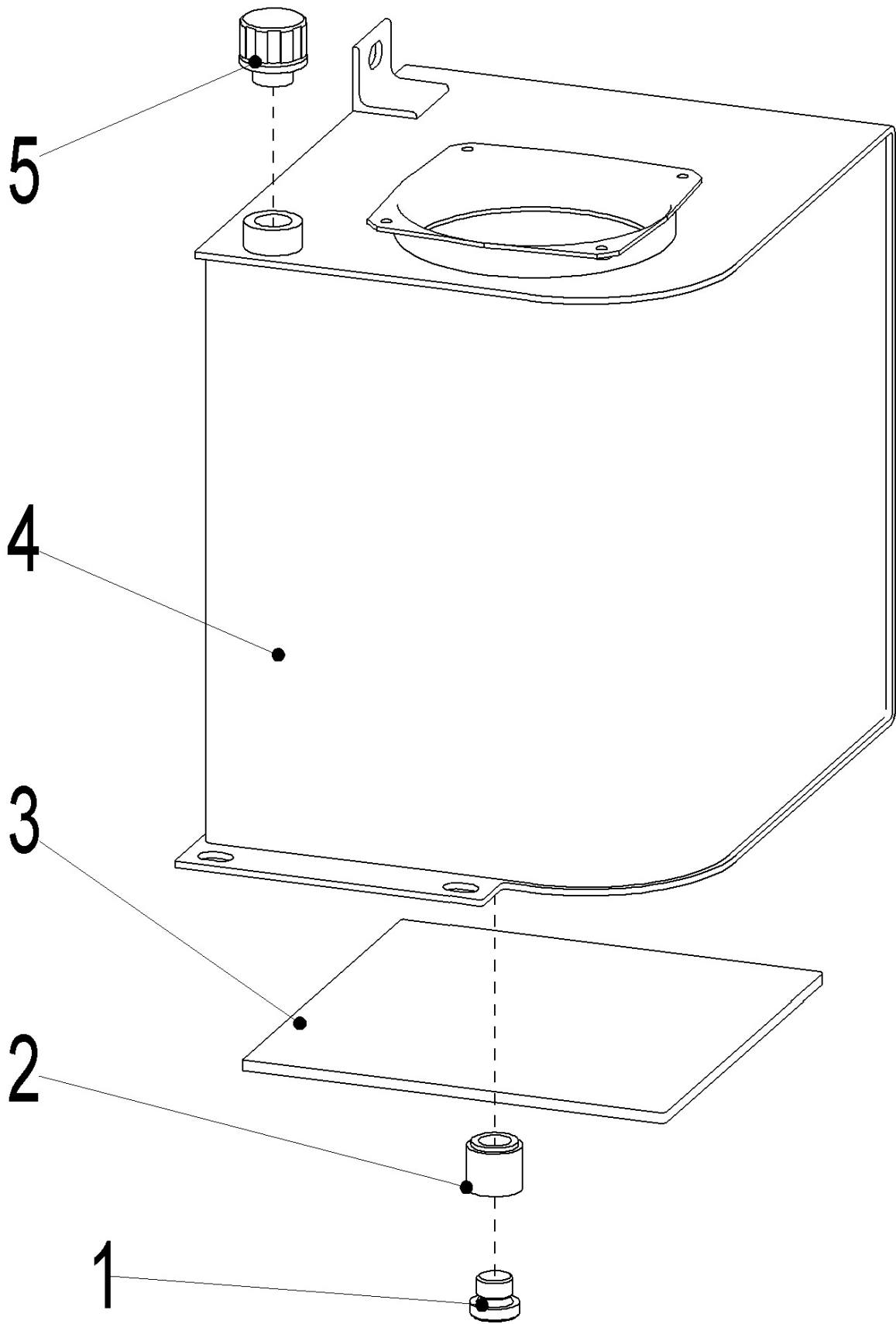
Fig. 23 Drive assembly



**Fig. 23 Drive Assembly**

No.	Art No.	Description	Qty.	Note
19	940900700001	DC turning assembly	1	002100006G-DC-0.6 KW
20	940900600003	Drive turning assembly	1	5.53.532.0-AC-2.6KW

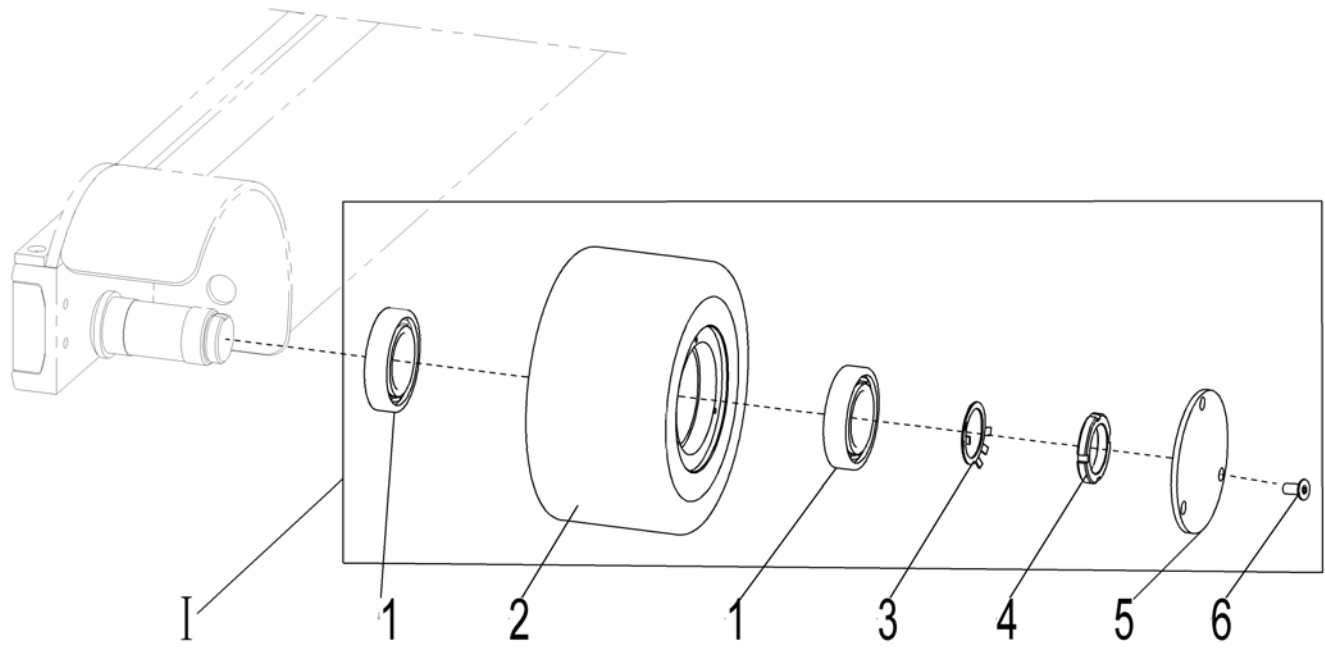
Fig. 24 Cylinder function group



**Fig. 24 Cylinder Function Group**

No.	Art No.	Description	Qty.	Note
1	911300100001	Screw plug	1	JB1000-M16x1.5
2	910800900005	Bonded seal	1	JB982-16
3	201019020004	Rubber mat	1	200x200x5
4	201019010000	Cylinder welding	1	
5	951100200001	Airplug M18x1.5	1	M18x1.5

**Fig. 25 Load roller**

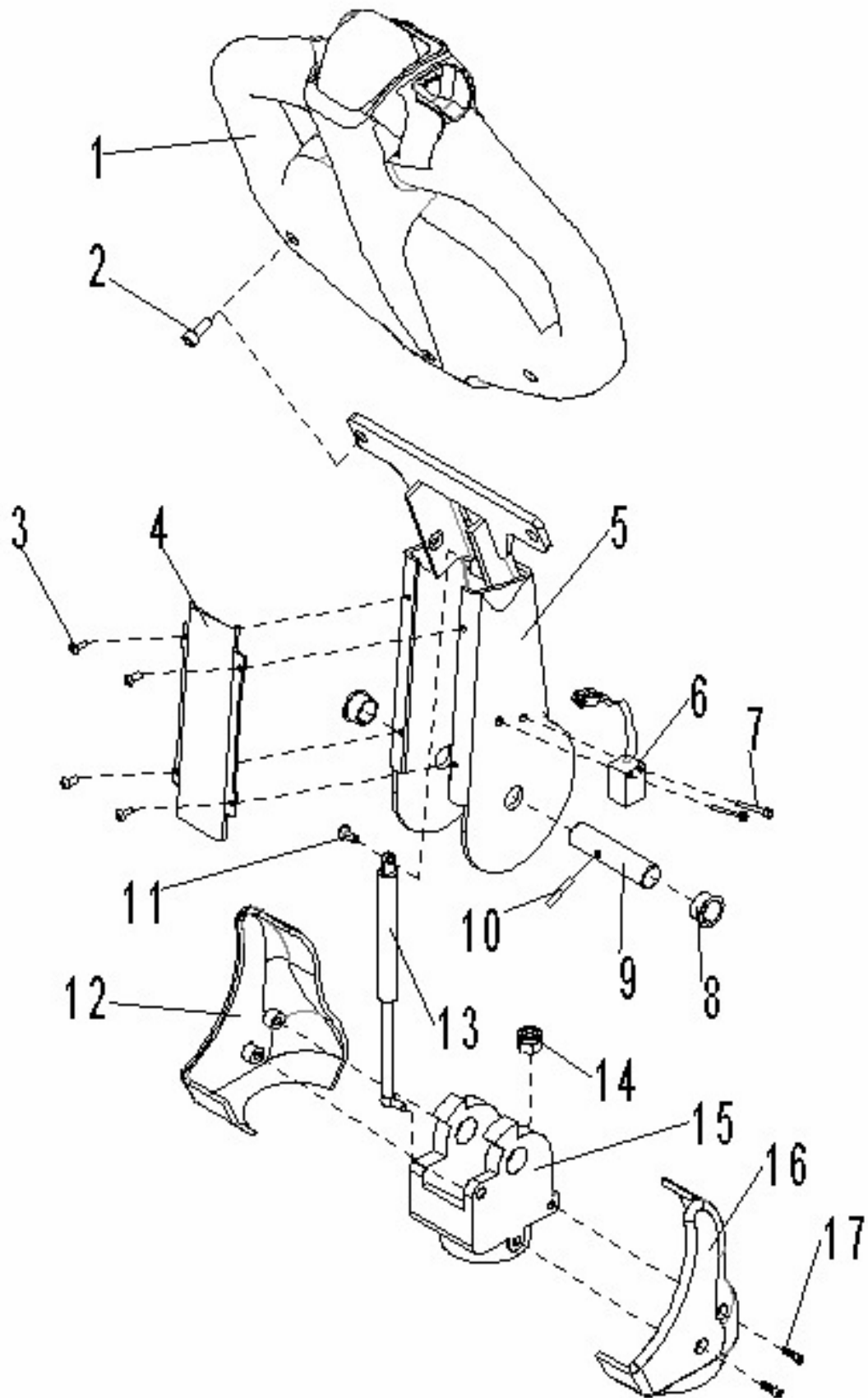


**Fig. 25 Load Roller**

No.	Art No.	Description	Qty.	Note
I	201017001000	Load roller assembly	2	
1	910700200023	Bearing	2	6208
2	940300300024	Front roller	1	
3	910400900007	Washer	1	36
4	910300700002	Nut	1	M36
5	201017020000	End cap	1	
6	910200400016	Screw	3	M6×12



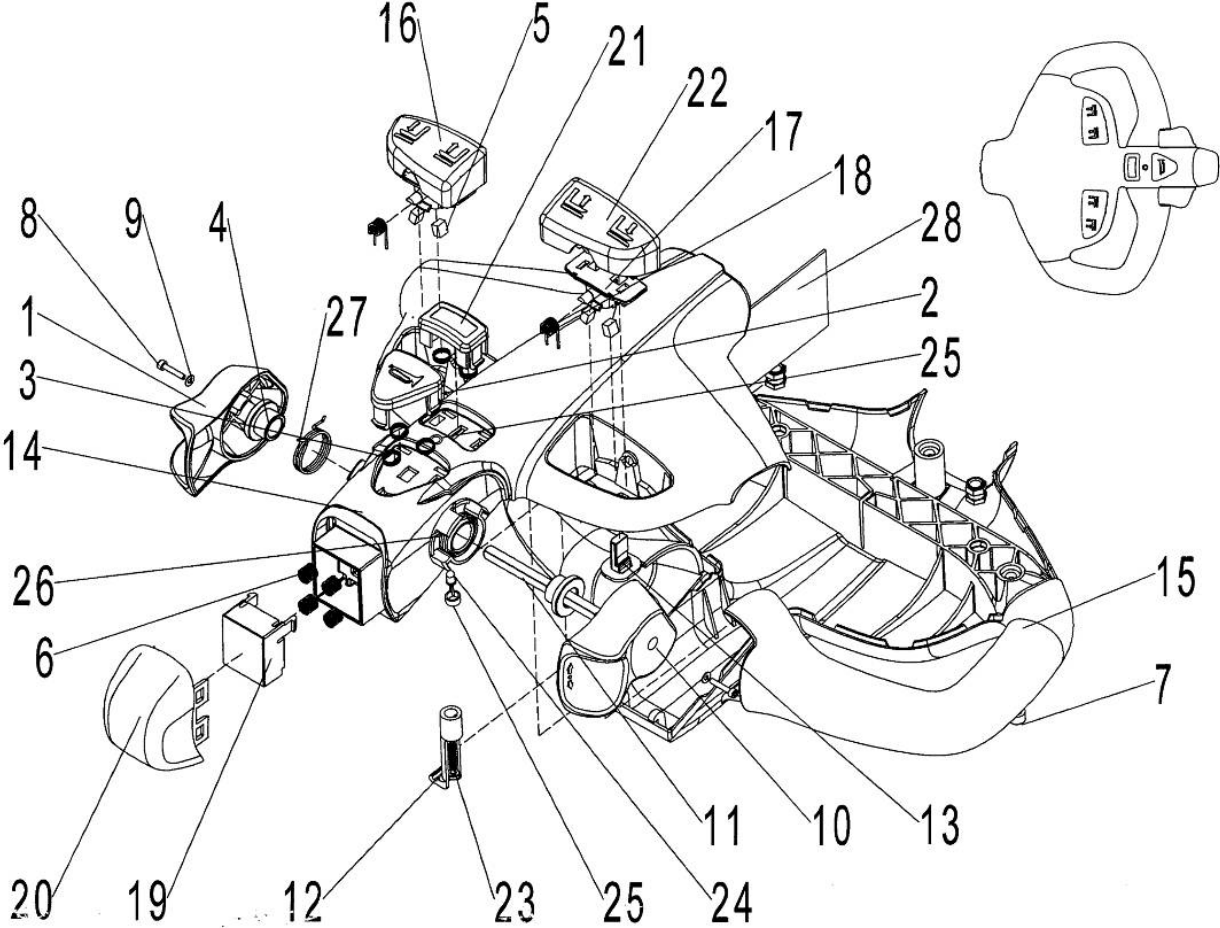
Fig. 26 Tiller kits



**Fig. 26 Tiller Kits**

No.	Art No.	Description	Qty.	Note
1	922100100001	Carbus control tiller C	1	94300-90(REMA)
2	910200200058	Bolt thread	2	GB70.1-M8x25-8.8
3	910200300005	Screw	4	GB70.2-M4x8-8.8
4	505611020006	Cover plate	1	
	505611020013	Long Cover plate	1	
5	505611010000	Tiller arm welding	1	
	505611010001	Long Tiller arm welding	1	
6	505633510000	Proximity switch	1	NBN5-F7-E2(370 mm)
7	910200500015	Screw	2	GB818-M3x20-4.8
8	940500200002	Bushing with shoulder	2	17×19×11
9	505611020008	Tiller axle	1	
10	910600400013	Elastic cylindrical pin	1	GB879.1-4x24
11	910200200057	Screw	1	GB70.1-M8x20-8.8
12	505611020010	Left tiller cover	1	
13	940400100002	Air spring	1	400N
	940400100003	Air spring	1	450N
14	950300100003	Nut	2	10-M16x1.5-24°
15	505611020009	Tiller seat	1	
16	505611020011	Right tiller cover	1	
17	910200300016	Screw	4	GB70.2-M6x10-8.8

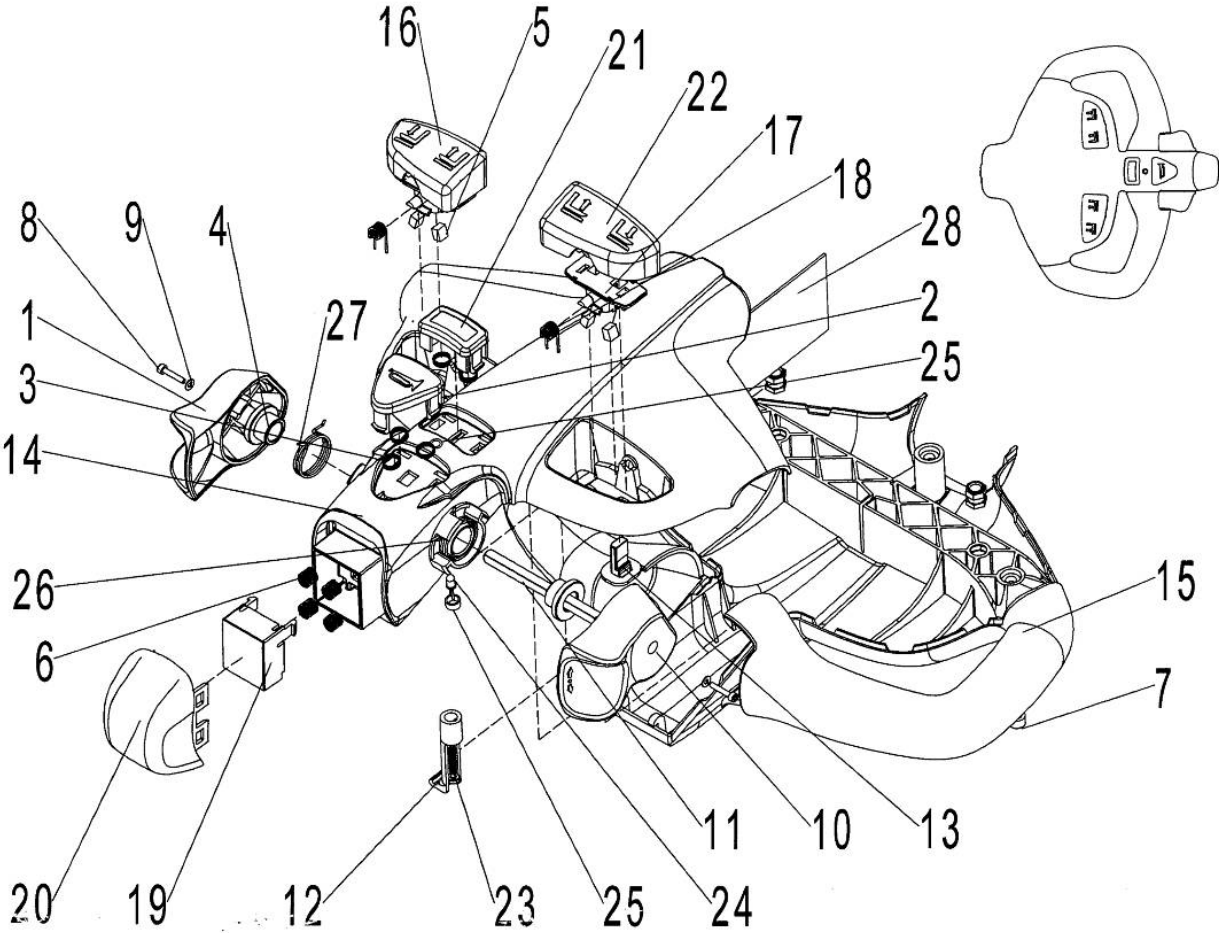
Fig. 27 Tiller head



**Fig. 27 Tiller Head**

No.	Art No.	Description	Qty.	Note
1	505698520001	Left driving knob	1	
2	505698520002	Horn button	1	
3	505698520003	Horn button assembly spring	5	
4	505698520004	Cam axle bushing	2	
5	505698520005	Magnet	4	
6	505698520006	Emergency switch spring	4	
7	505698520007	Screw	3	GB70.1-M6X10-8.8
8	505698520008	Screw	2	GB70.1-M3x16-8.8
9	505698520009	Flat washer	2	GB97.1-3-200HV
10	505698520010	Right driving knob	1	
11	505698520011	Driving button connecting axle	1	
12	505698520012	PCB connecting terminal	1	
13	505698520013	Pressure sensor	2	
14	505698520014	Top part of tiller head	1	
15	505698520015	Bottom part of tiller head	1	
16	505698520016	Left lifting button	1	
17	505698520017	Magnet assembly seat	2	
18	505698520018	Torsional spring	2	

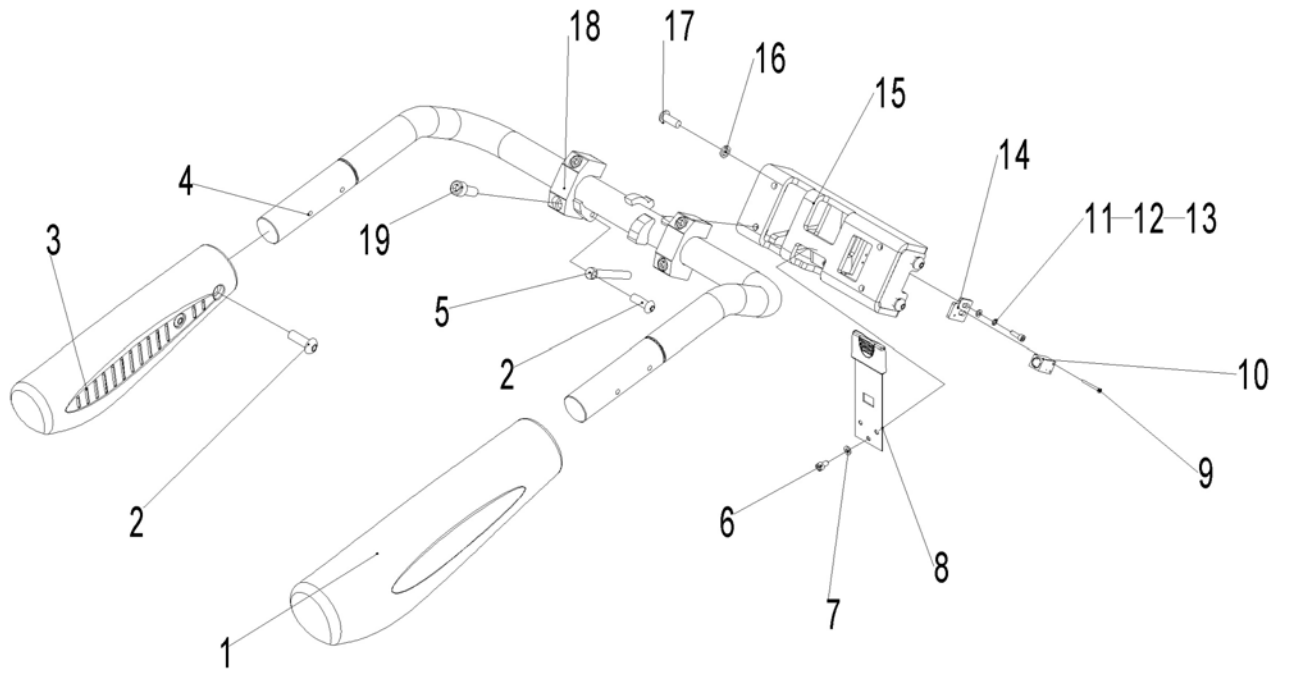
Fig. 27 Tiller head



**Fig. 27 Tiller Head**

No.	Art No.	Description	Qty.	Note
19	505698520019	Emergency switch spring assembly seat	1	
20	505698520020	Emergency Button	1	
21	505698520021	Switch cover	1	
22	505698520022	Right lifting and lowering button	1	
23	505698520023	Screw	1	GB845-ST4.2x25
24	505698520024	LED bi colored light	1	
25	505698520025	LED bi colored light assembly seat	1	
26	505698520026	Torsional spring of left driving button	1	
27	505698520027	Torsional spring of right driving button	1	
28	505698520028	PCB	1	

**Fig. 28 Protective arm assembly**

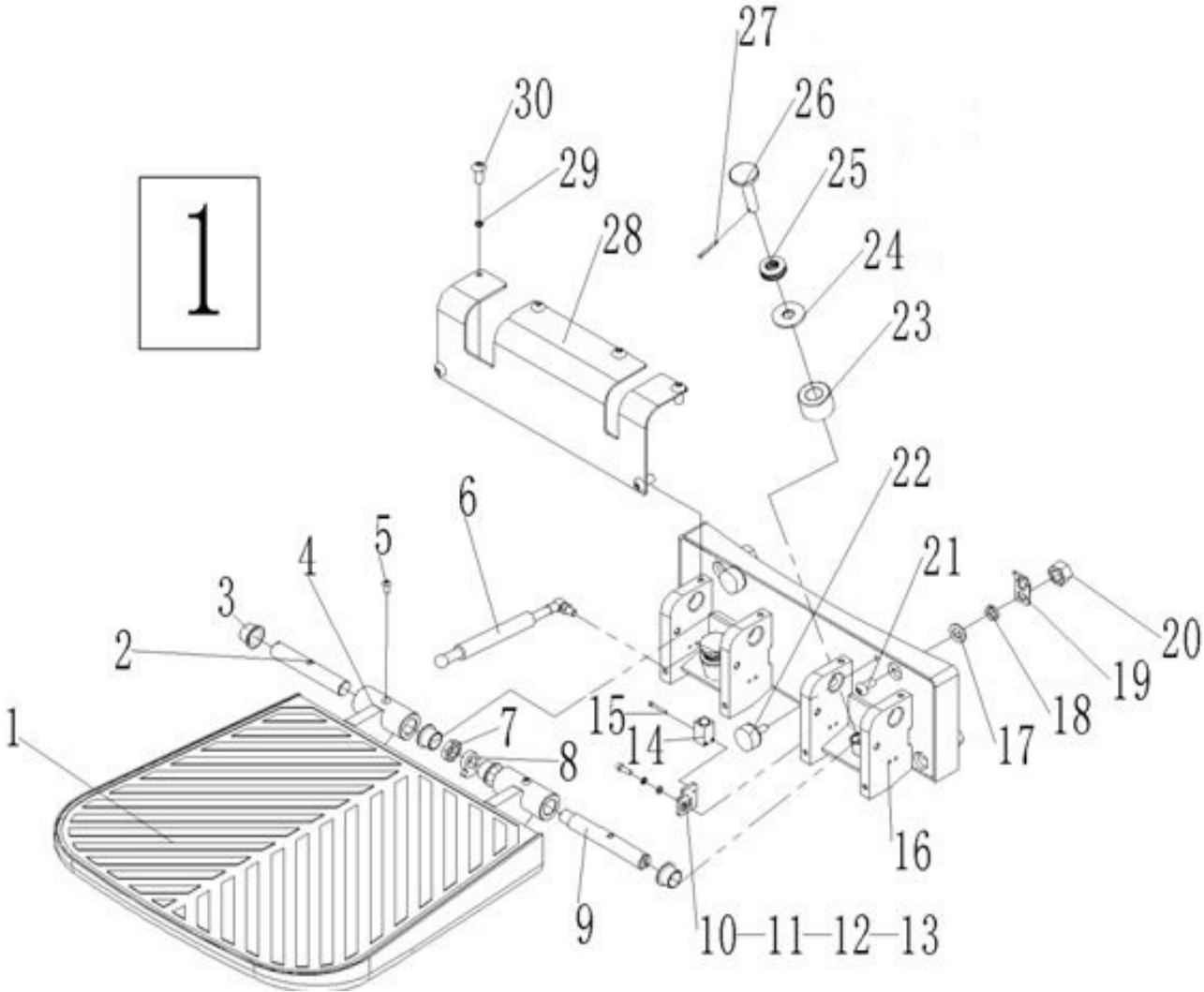


**Fig. 28 Protective Arm Assembly**

No.	Art No.	Description	Qty.	Note
1	505617510002	Right protective arm bushing	1	
2	910200300025	Screw	5	GB70.2-M8x20-8.8
3	505617510004	Left protective arm bushing	1	
4	505617510001	Protective arm welding	1	
5	940400100006	Air spring	1	
6	910200300017	Screw	3	GB70.2-M6x12-8.8
7	910400500005	Spring washer	3	GB93-6
8	505617510005	Position spring	1	
9	910200500015	Screw	2	GB818-M3x20-4.8
10	505633510001	Proximity switch	1	NBN5-F7-E5
11	910400500004	Spring washer	2	GB93-5
12	910400100004	Flat washer	2	GB97.1-5-200HV
13	910200200023	Screw	2	M5×16
14	505618020026	Switch transition plate	1	
15	505617510000	Protective arm base welding	1	
16	910400500007	Spring washer	4	GB93-10
17	910100300036	Screw	4	GB5783-M10x25-8.8
18	505617520005	Protective arm clamp block	2	
19	910200200080	Screw	4	GB70.1-M10x45-8.8



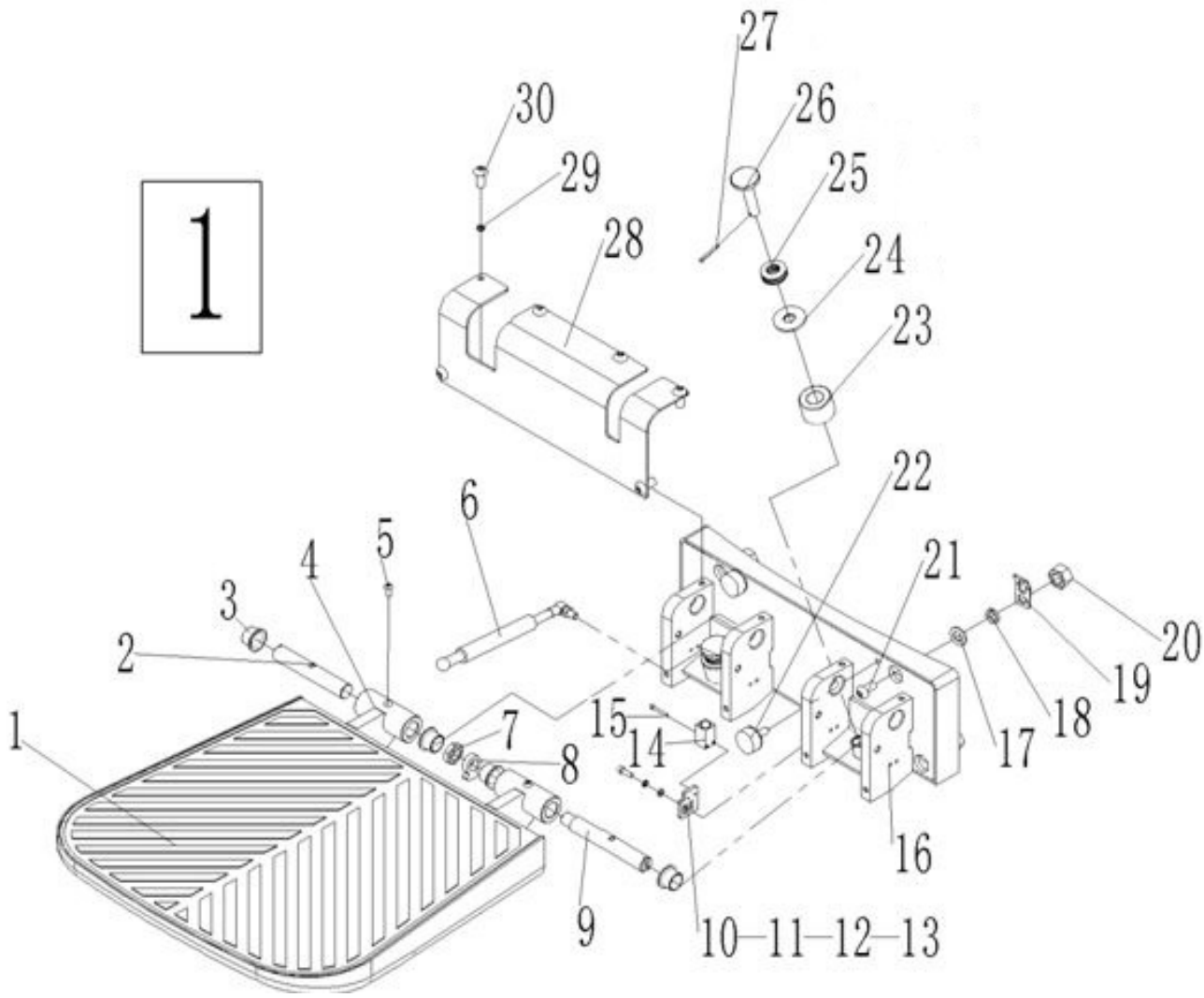
Fig. 29 Platform assembly



**Fig. 29 Platform Assembly**

No.	Art No.	Description	Qty.	Note
1	505618020018	Platform pad	1	
2	505618020020	Axle	1	
3	940500200008	Bushing with shoulder	4	
4	505618010000	Platform welding	1	
5	910200300018	Screw	2	GB70.2-M6x16-8.8
6	940400100008	Air spring	1	
7	910300400006	Nut	1	GB6173-M16x1.5-05
8	505618020024	Cam	1	
9	505618020017	Cam axle	1	
10	910400500004	Spring washer	2	GB93-5
11	910400100004	Flat washer	2	GB97.1-5-200HV
12	910200200023	Screw	2	GB70.1-M5x16-8.8
13	505618020026	Switch transition plate	1	
14	505633510002	Proximity switch	1	NBN5-F7-E2
15	910200500015	Screw	2	GB818-M3x20-4.8
16	505618010001	Assembly seat welding	1	
17	910400100008	Flat washer	4	GB97.1-12-200HV
18	910400500008	Spring washer	4	GB93-12

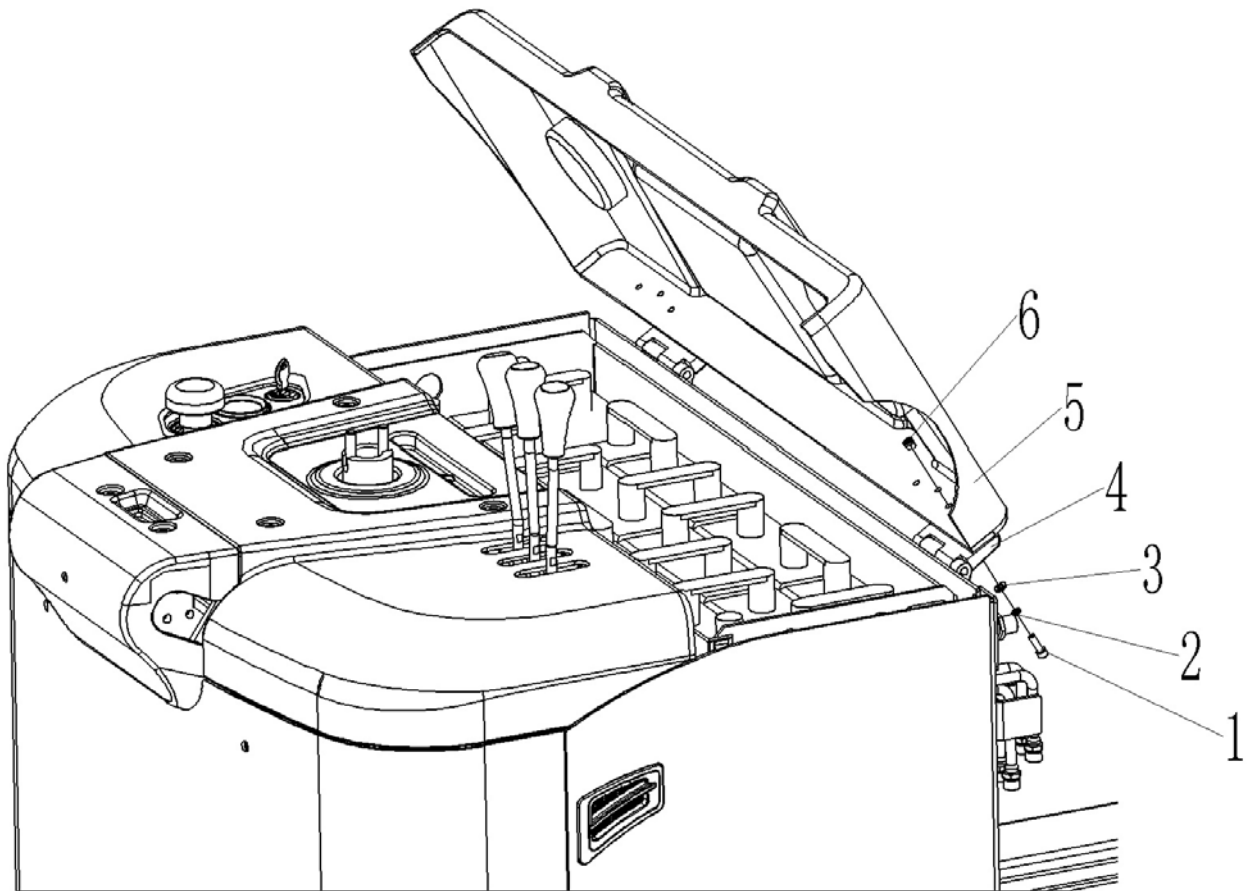
Fig. 29 Platform assembly



**Fig. 29 Platform Assembly**

No.	Art No.	Description	Qty.	Note
19	505618020025	Cable hanging plate	1	
20	910300500006	Nut	4	GB889.1-M12-10
21	910200200100	Screw	4	GB70.1-M12x40-8.8
22	505618020016	Damping pad	2	
23	505618020023	Anti vibration pad	2	
24	505618020022	Anti vibration washer	2	
25	911100100002	Spring	8	GB1972-A31.5-1
26	505618020021	Fixing bolt	2	
27	910600600026	Split pin	2	GB91-3.2x20
28	505618020019	Assembly seat main cover	1	
29	910400500005	Spring washer	6	GB93-6
30	910200300017	Screw	6	GB70.2-M6x12-8.8
①	505618001000	Platform assembly	1	

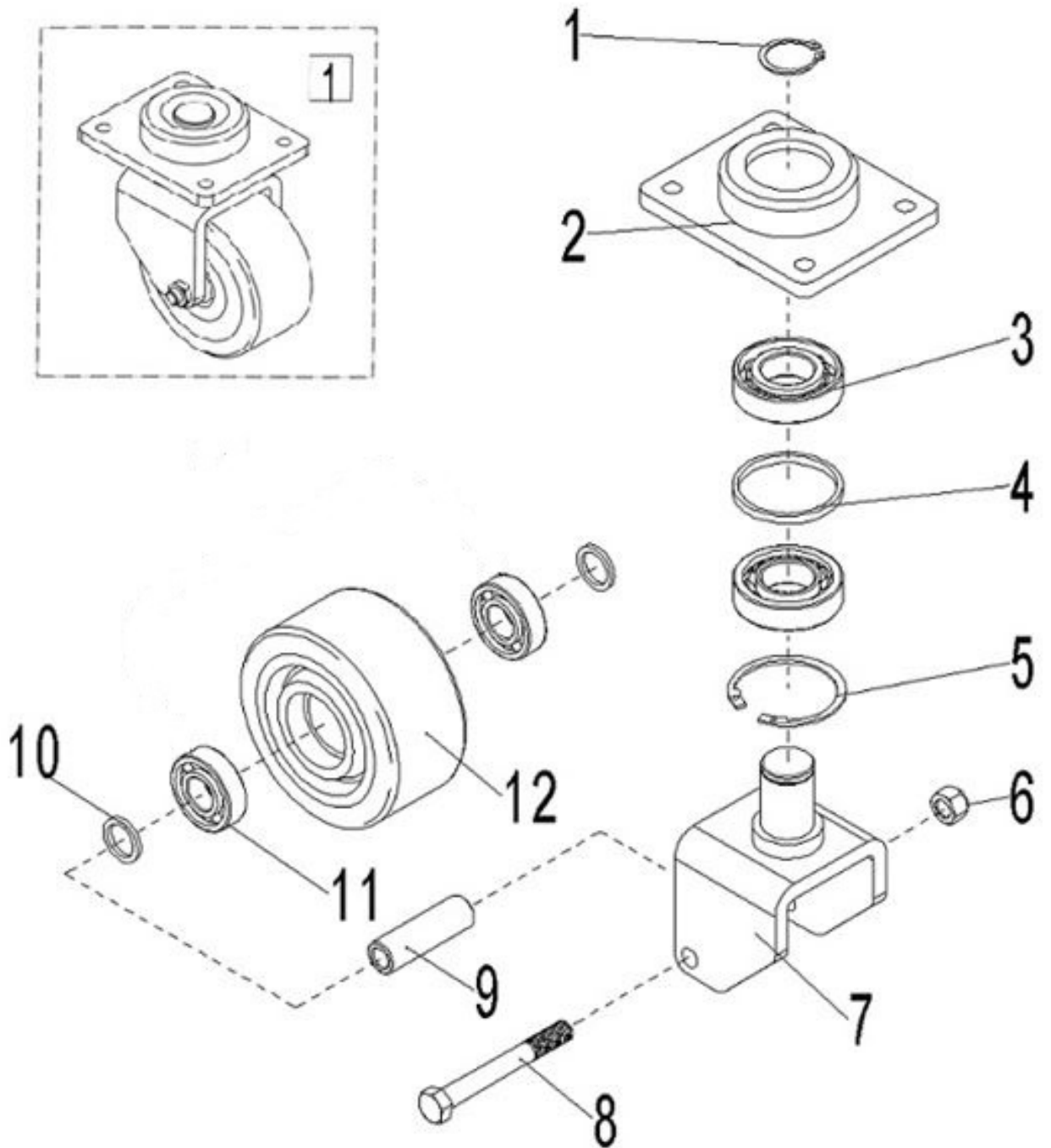
Fig. 30 Battery cover turning structure



**Fig. 30 Battery Cover Turning Structure**

No.	Art No.	Description	Qty.	Note
1	910200200033	Screw	12	M6×16
2	910400500005	Standard elastic washer	12	6
3	910400100005	Flat washer	12	6
4	940801300001	Hinge kits	2	
5	206021020002	Battery cover	1	
6	910300500003	Nut	12	M6

Fig. 31 Steering wheel kits

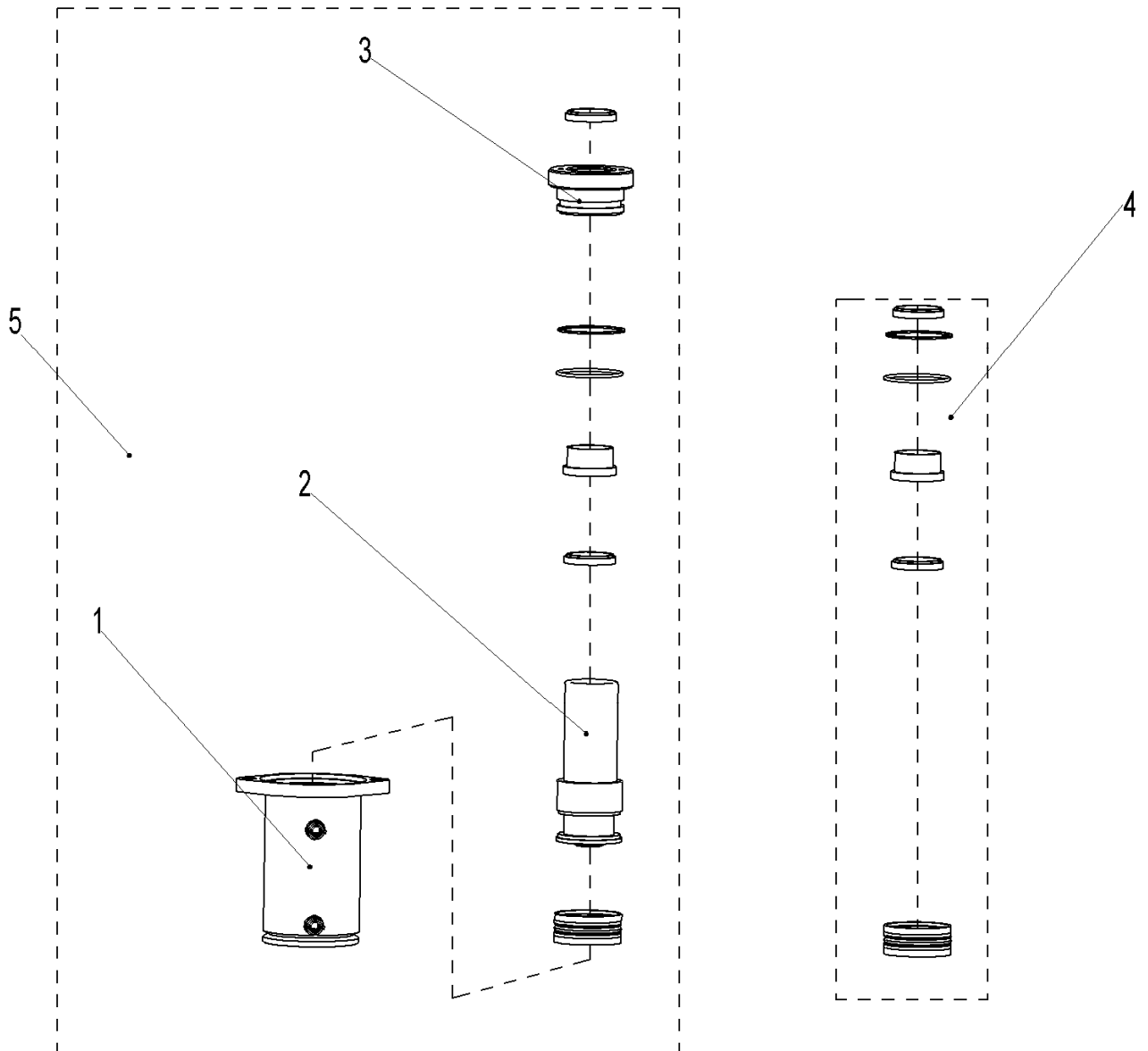


**Fig. 31 Turning Wheel Kits**

No.	Art No.	Description	Qty.	Note
1	910401300016	Circlip	1	30
2	532616520002	Bearing seat	1	
3	910700400004	Bearing	2	7206C/DB
4	532616520001	Spacer	1	
5	910401400018	Circlip	1	62
6	910300500007	Nut	1	M14
7	532616510001	Back wheel frame welding	1	
8	910100100069	Bolt	1	M14×100
9	532616520003	Bushing	1	
10	940600500014	Washer	2	
11	910700200019	Bearing	2	6204
12	940300300019	Wheel	1	124×60
1	532616510000	Steering wheel kits	2	



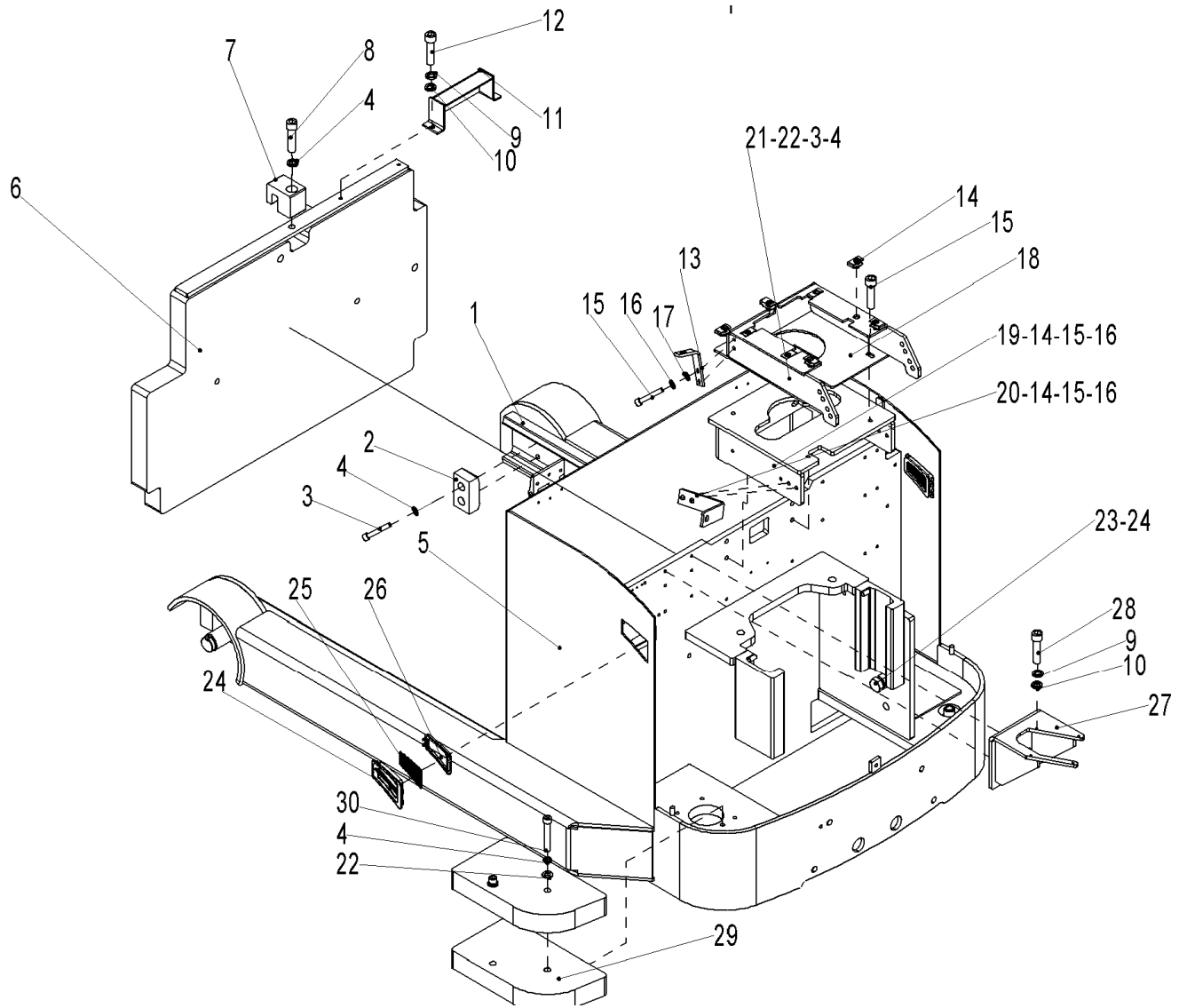
Fig. 32 Tilt cylinder



**Fig. 32 Tilt Cylinder**

No.	Art No.	Description	Qty.	Note
1	201598520011	Cylinder barrel	1	
2	201598520012	Piston rod	1	
3	201598520013	Guide bushing	1	
4	201598510004	Tilt cylinder sealing kits assembly	1	
5	201020510000	Tilt cylinder assembly	1	

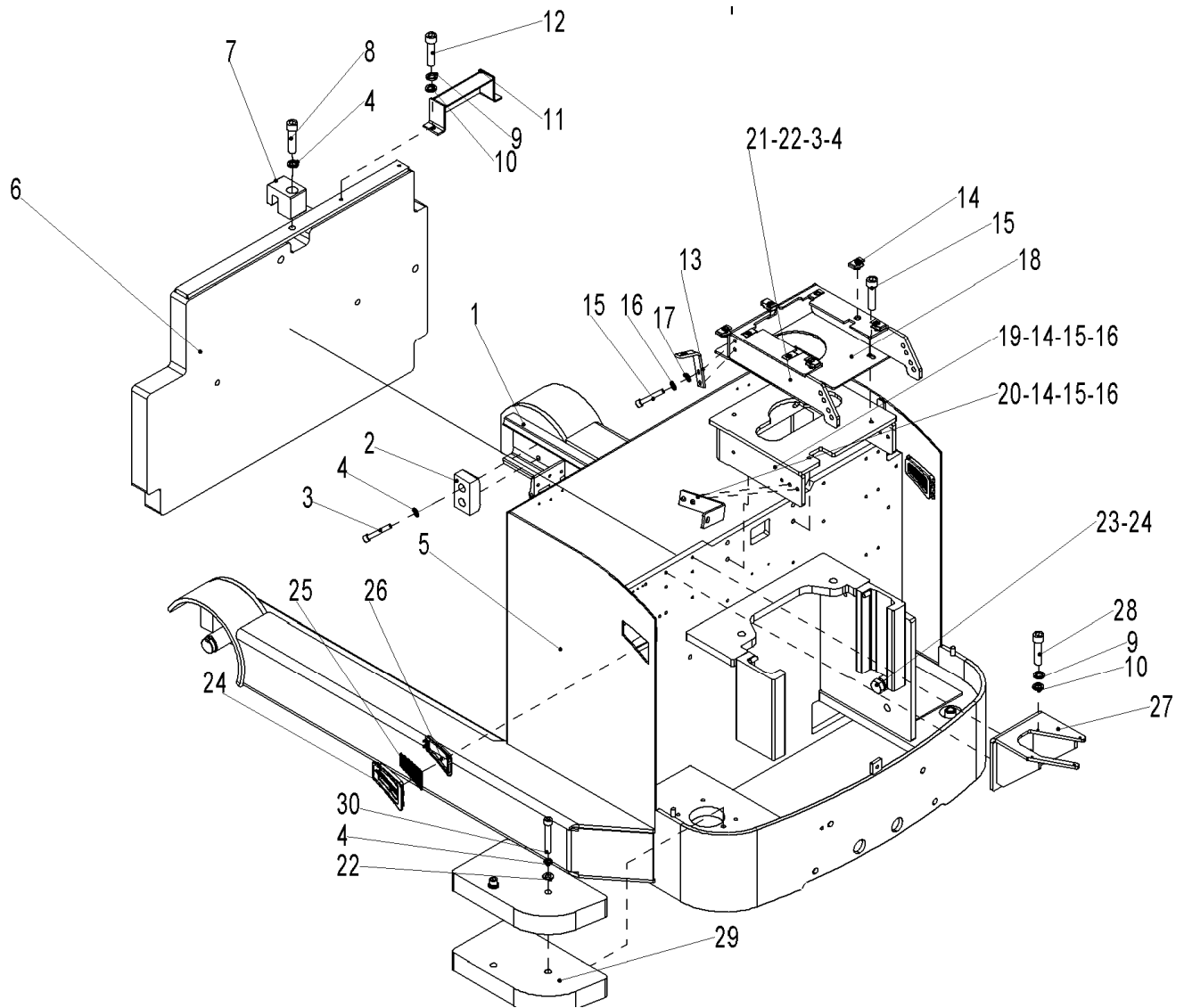
Fig. 33 Truck body assembly



**Fig. 33 Truck Body Assembly**

No.	Art No.	Description	Qty.	Note
1	201521510000	Truck body welding	1	
2	216521520001	Damping block	2	
3	910200200098	Screw	8	GB70.1-M12X30-8.8
4	910400500008	Spring washer	12	GB93-12
5	201521510000	Apron welding (front)	1	
6	201021510008	Counterweight block welding	1	
7	201021520044	Battery limit block	1	
8	910200200102	Screw	2	GB70.1-M12X50-8.8
9	910400500006	Spring washer	8	GB93-8
10	910400100006	Flat washer	11	GB97.1-8-200HV
11	201021510002	Protective cover welding (multi tandem valve)	1	
12	910200200053	Screw	2	GB70.1-M8X12-8.8
13	201021520026	Fixing frame	2	
14	940400400003	Nut	11	M10-t(3-5)
15	910200200075	Screw	16	GB70.1-M10X20-8.8
16	910400500007	Spring washer	24	GB93-10
17	910400100007	Flat washer	24	GB97.1-10-200HV
18	201021520027	Supporting plate	1	

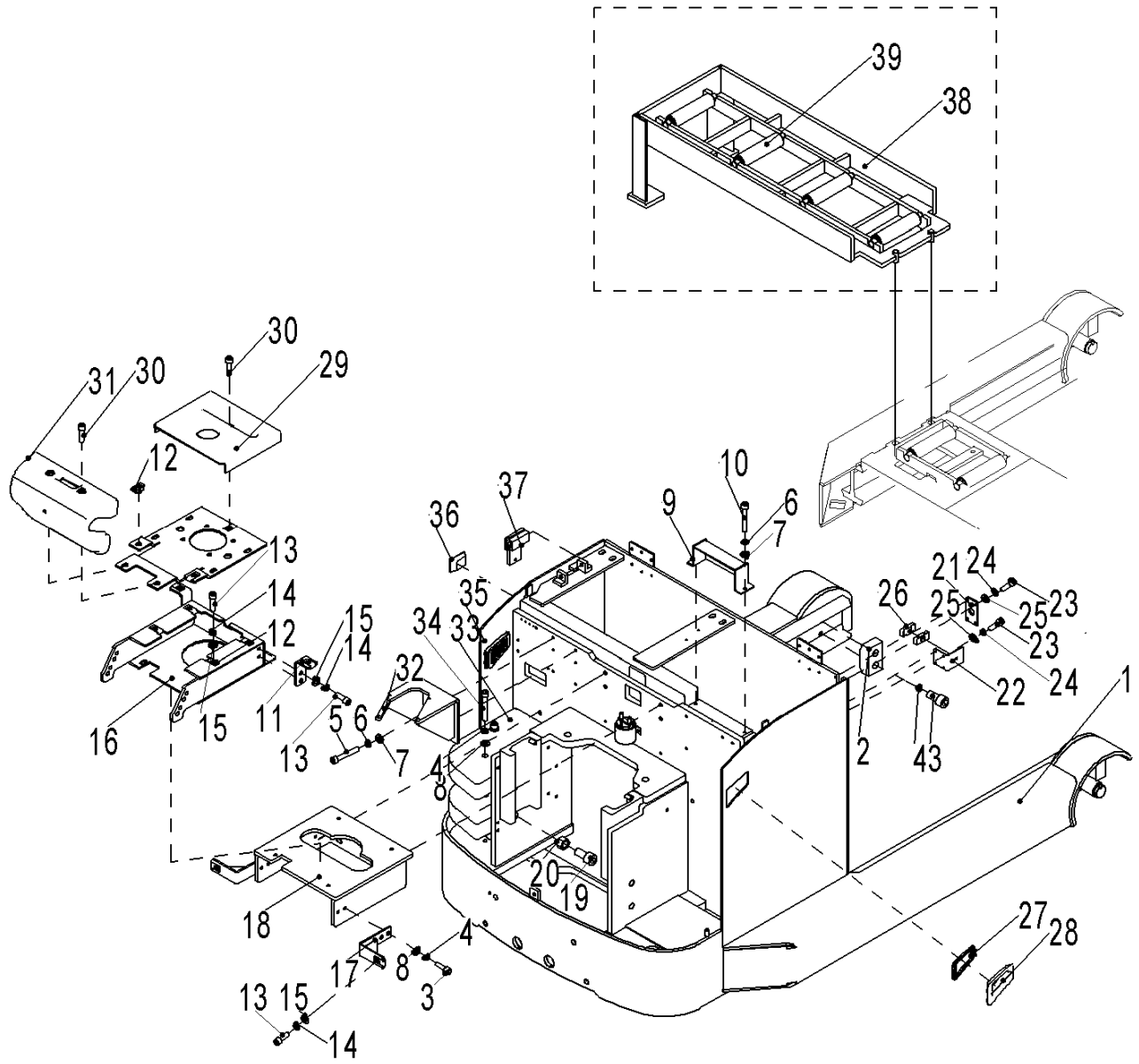
Fig. 33 Truck body assembly



**Fig. 33 Truck Body Assembly**

No.	Art No.	Description	Qty.	Note
19	201021510003	Connecting seat welding	1	
20	201021510004	Fixing frame welding	1	
21	201021510005	Connecting seat welding (supporting)	1	
22	910400100008	Flat washer	6	GB97.1-12-200HV
23	910100100118	Bolt	3	GB5782-M20X40-8.8
24	910300100012	Nut	3	GB6170-M20-10
25	505621510003	Vent hole kits 1	1	
26	505621510004	Vent hole kits 2	1	
27	201021510007	Instrument base welding	1	
28	910200200058	Screw	13	GB70.1-M8X25-8.8
29	201021520040	Counterweight	2	
30	910100100061	Bolt	2	GB5782-M12X130-8.8

Fig. 34 Truck body assembly (sides way)

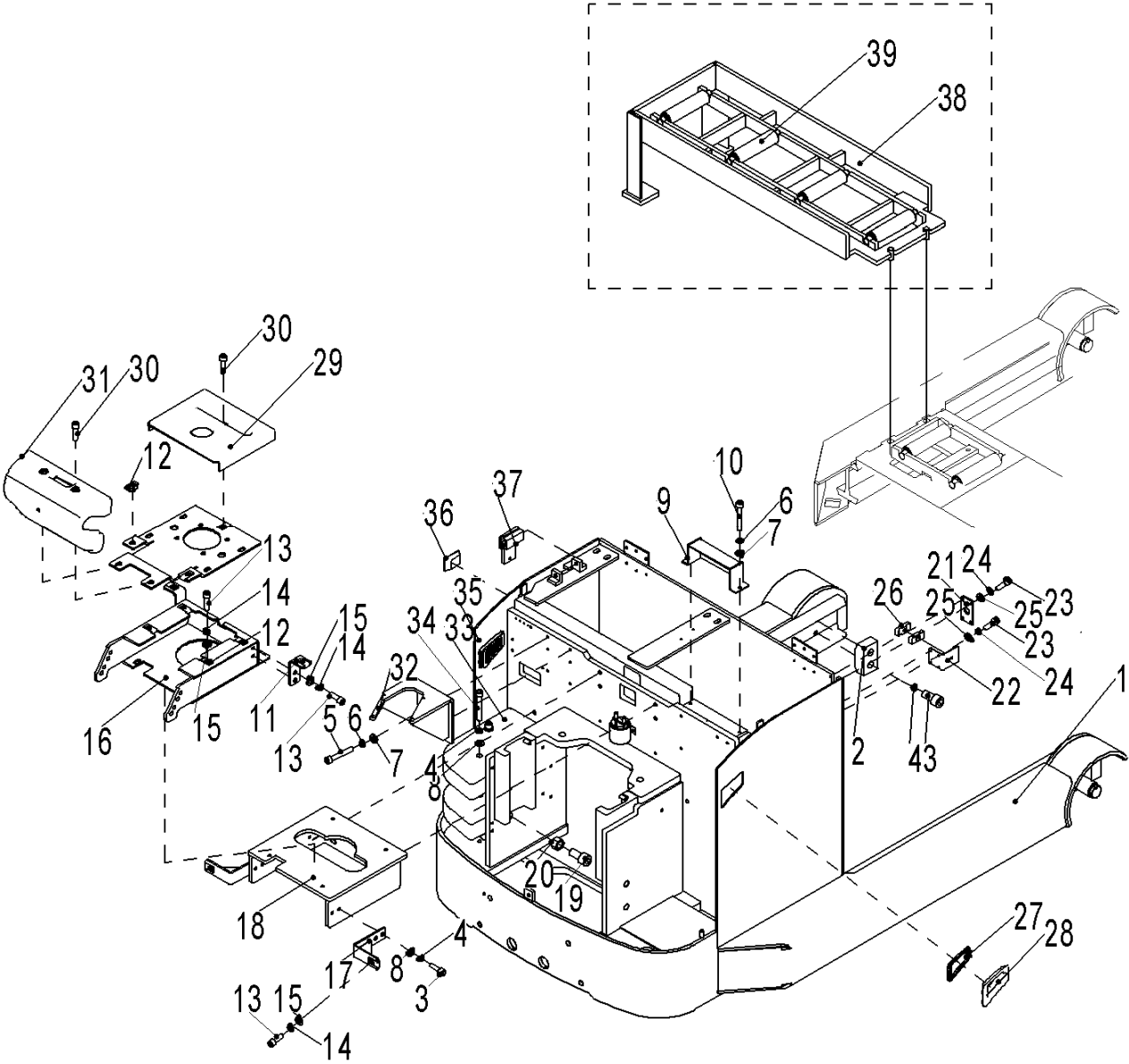


**Fig. 34 Truck Body Assembly (sides way)**

No.	Art No.	Description	Qty.	Note
1	201021510002	Truck body welding	1	
2	216521520001	Damping block	2	
3	910200200098	Screw	8	GB70.1-M12X30-8.8
4	91040050008	Washer	12	GB93-12
5	910200200058	Screw	10	GB70.1-M8X25-8.8
6	910400500006	Spring washer	10	GB93-8
7	910400100006	Flat washer	2	GB97.1-8-200HV
8	910400100008	Flat washer	8	GB97.1-12-200HV
9	201021510002	Protective cover welding (multi tandem valve)	1	
10	910200200053	Screw	2	GB70.1-M8X12-8.8
11	201021520026	Fixing frame	2	
12	940400400003	Nut	11	M10-t(3-5)
13	910200200075	Screw	16	GB70.1-M10X20-8.8
14	910400500007	Spring washer	24	GB93-10
15	910400100007	Flat washer	24	GB97.1-10-200HV
16	201021510003	Connecting seat welding	1	
17	201021510004	Fixing frame welding	2	
18	201021510005	Connecting seat welding (supporting)	1	



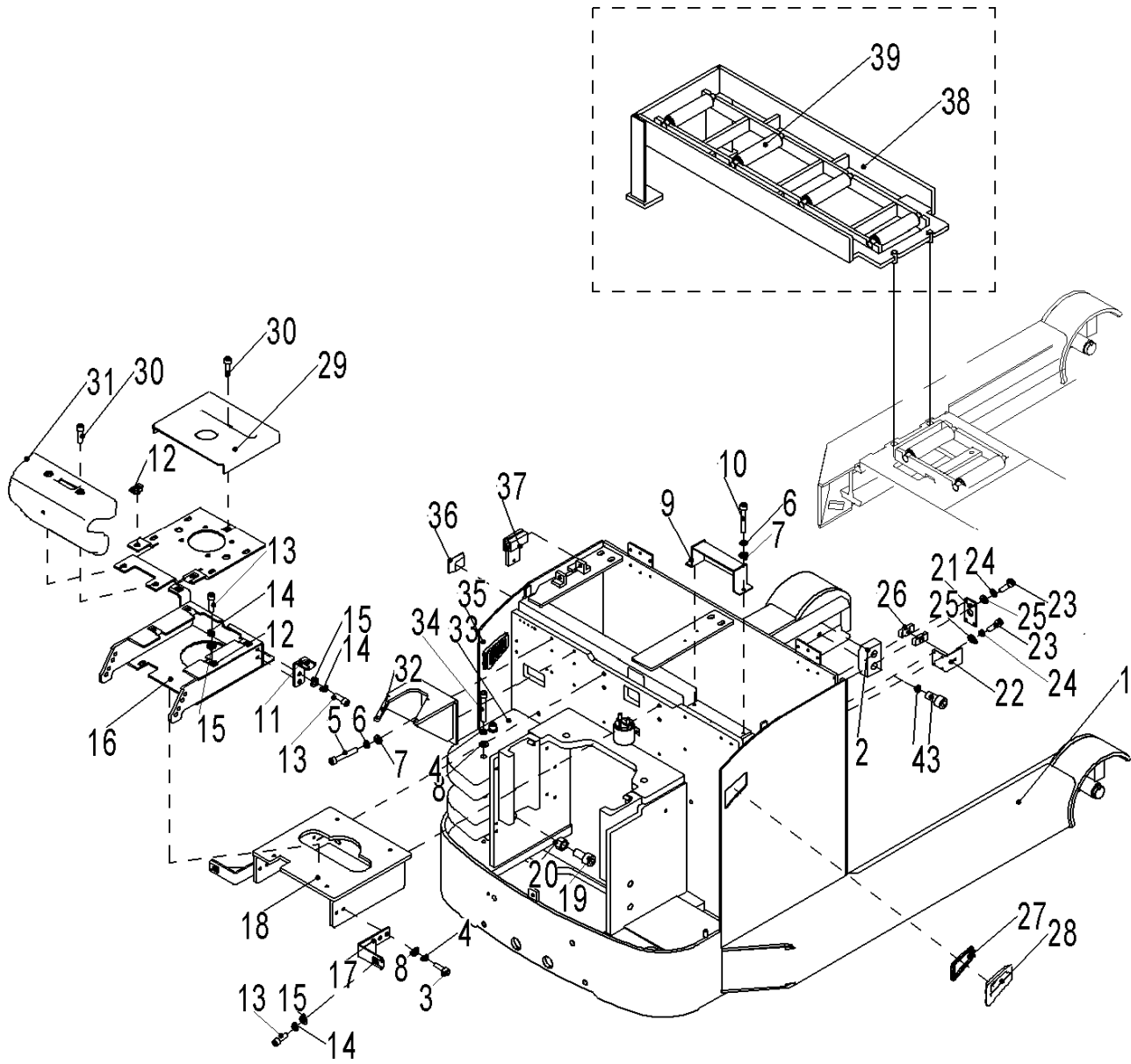
Fig. 34 Truck body assembly (sides way)



**Fig. 34 Truck Body Assembly (sides way)**

No.	Art No.	Description	Qty.	Note
19	910100100118	Bolt	3	GB5782-M20X40-8.8
20	910300100012	Nut	3	GB6170-M20-10
21	201021520035	Assembly plate	1	
22	201021520039	Assembly plate 5 (Pipe clamp)	1	
23	910200200032	Screw	8	GB70.1-M6X10-8.8
24	910400500005	Spring washer	8	GB93-6
25	910400100005	Flat washer	8	GB97.1-6-200HV
26	201044520027	Pipe clamp	2	3x10
27	505621510003	Vent hole kits 1	1	
28	505621510004	Vent hole kits 2	1	
29	206021520034	Protective cover (middle)	1	
30	941100100006	Screw	10	M10X45-8.8
31	505621520025	Protective cover (protective arm)	1	
32	201021510011	Instrument base welding	1	
33	201021520040	Counterweight	2	
34	910100100061	Bolt	2	GB5782-M12X130-8.8
35	203021510003	Left door welding	1	
36	940800300002	Panel lock	1	MS866-8

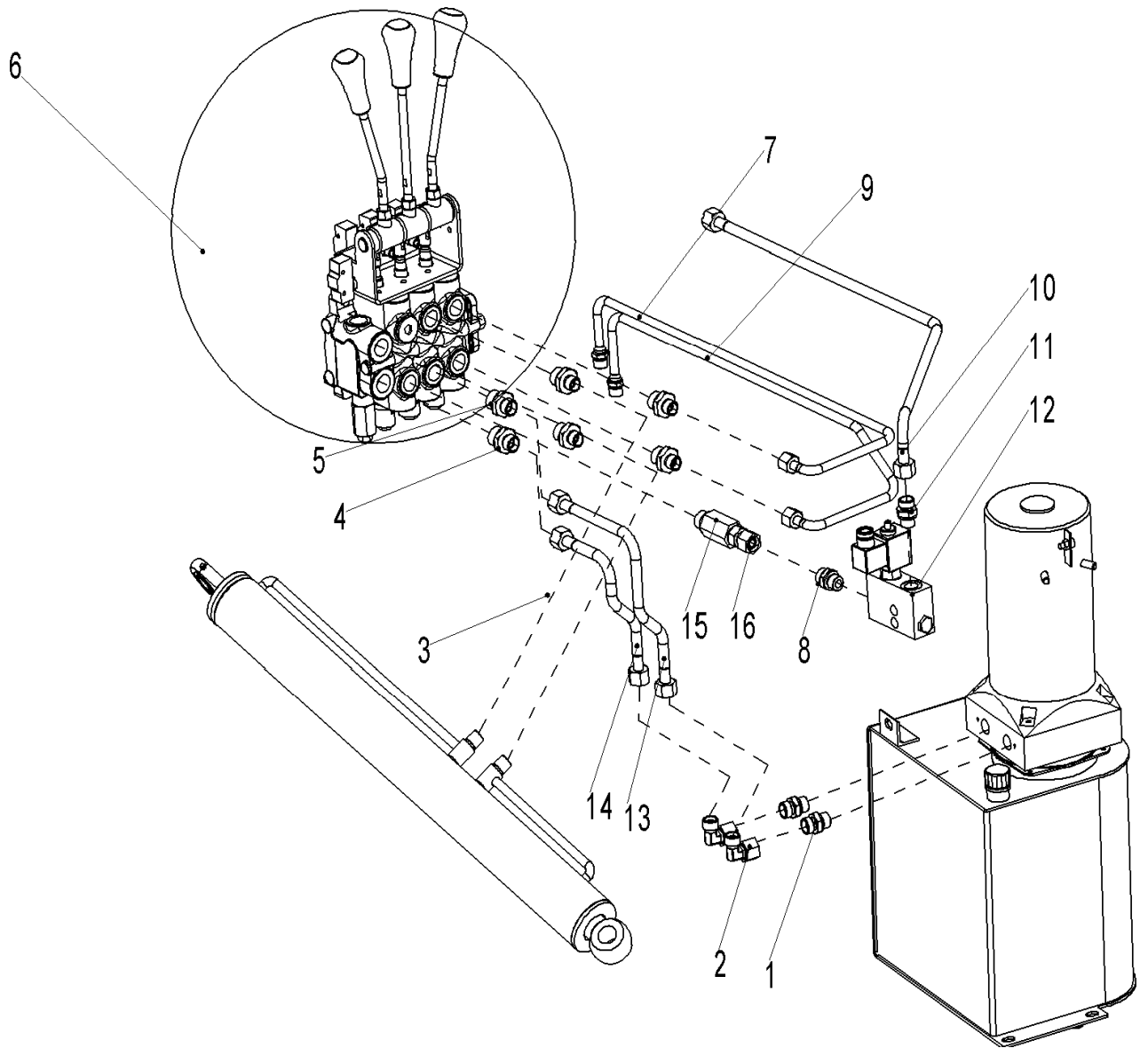
Fig. 34 Truck body assembly (sides way)



**Fig. 34 Truck Body Assembly (sides way)**

No.	Art No.	Description	Qty.	Note
37	203021510002	Baffle welding (battery)	1	
38	203021510004	Battery replacement frame welding	1	
39	232021510007	Rotary drum	4	

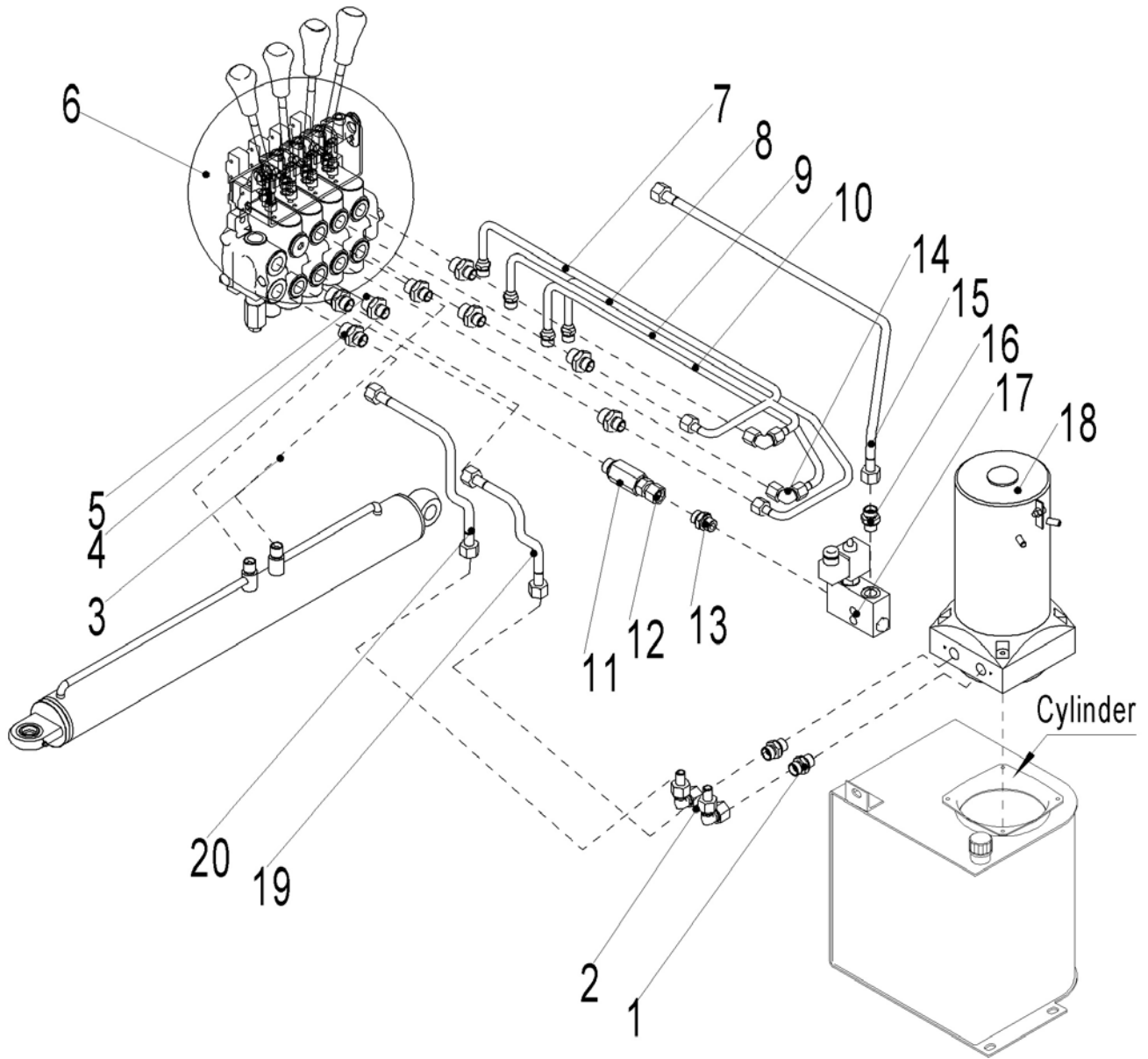
Fig. 35 Hydraulic (three ways)



**Fig. 35 Hydraulic (three ways)**

No.	Art No.	Description	Qty.	Note
1	950400300009	Joint (straight)	3	12-G3/8- M18x1.5-24°
2	950400200004	Joint (turning)	2	12-2xM18x1.5-24°
3	201025020016	Hydraulic hose assembly type S (90°)	2	10-L800-ISC-24°
4	950400400005	Joint (straight)	2	12-M22X1.5-M18X1.5-24°
5	950400400012	Joint (straight)	6	10-M20X1.5-M16X1.5-24°
6	201025001001	Multi tandem valve	1	
7	201025020012	Hydraulic pipe welding 4	1	
8	950400100001	Joint (straight)	1	12-G3/8-M18x1.5-24°
9	201025020013	Hydraulic pipe welding 5	1	
10	201025020011	Hydraulic pipe welding 3	1	
11	950400400004	Joint (straight)	1	12-M16X1.5-M18X1.5-24°
12	950700200004	Electromagnetic directional valve	1	VB1601322-100-24D C
13	201025020018	Hydraulic pipe welding 2	1	
14	201025020017	Hydraulic pipe welding 1	1	
15	950600400001	Throttle valve	1	VSC06-10.0L/min
16	201025020010	Multi tandem valve	1	

Fig. 36 Hydraulic (four ways)

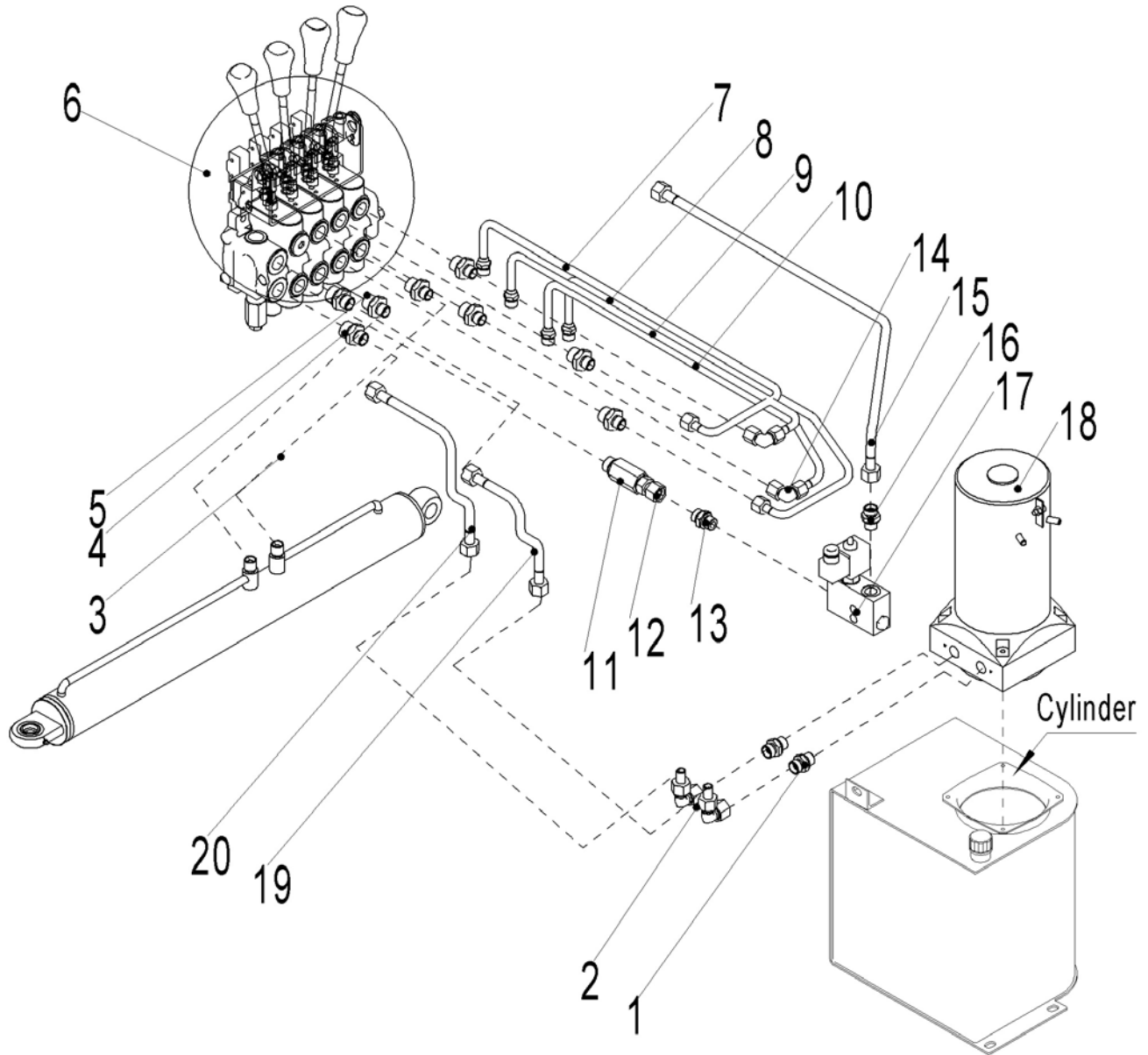


**Fig. 36 Hydraulic (four ways)**

No.	Art No.	Description	Qty.	Note
1	950400300009	Joint (straight)	3	12-G3/8-M18x1.5-24°
2	950400200004	Joint (turning)	2	12-2xM18x1.5-24°
3	201025020016	Hydraulic hose assembly type S (90°)	2	10-L800-ISC-24°
4	95040040005	Joint (straight)	2	12-M22X1.5-M18X1.5-24°
5	950400400012	Joint (straight)	6	10-M20X1.5-M16X1.5-24°
6	201025001001	Multi tandem valve	1	
7	201025020012	Hydraulic pipe welding 4	1	
8	201025020013	Hydraulic pipe welding 5	1	
9	201025520001	Hydraulic pipe welding 2	1	
10	201025520000	Hydraulic pipe welding 1	1	
11	950600400001	Throttle valve	1	VSC06-10.0L/min
12	201025020010	Multi tandem valve	1	
13	950400100001	Joint (straight)	1	)12-G3/8-M18x1.5-24°
14	950400200003	Joint (turning)	2	10-2XM16X1.5-24°
15	201025020011	Hydraulic pipe welding 3	1	
16	950400400004	Joint (straight)	1	12-M16X1.5-M18X1.5-24°
17	950700200004	Electromagnetic directional valve	1	VB1601322-100-24 DC



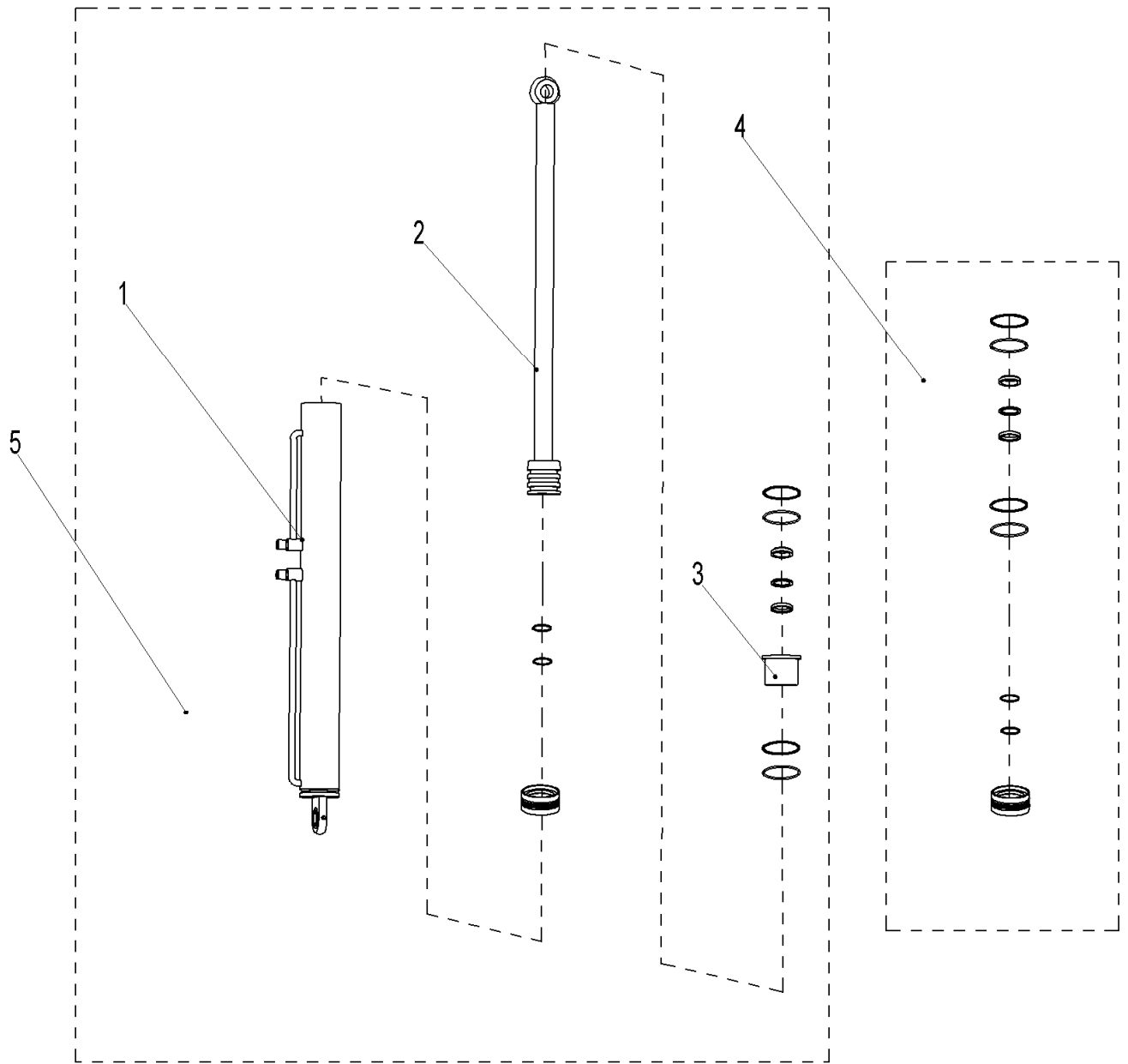
Fig. 36 Hydraulic (four ways)



**Fig. 36 Hydraulic (four ways)**

No.	Art No.	Description	Qty.	Note
18	950900100003	Hydraulic power unit	1	24V2.2KW2.2cc
	950900100008	Hydraulic power unit	1	24V3.0KW3.2cc
19	201025020018	Hydraulic pipe welding 2	1	
20	201025020017	Hydraulic pipe welding 1	1	

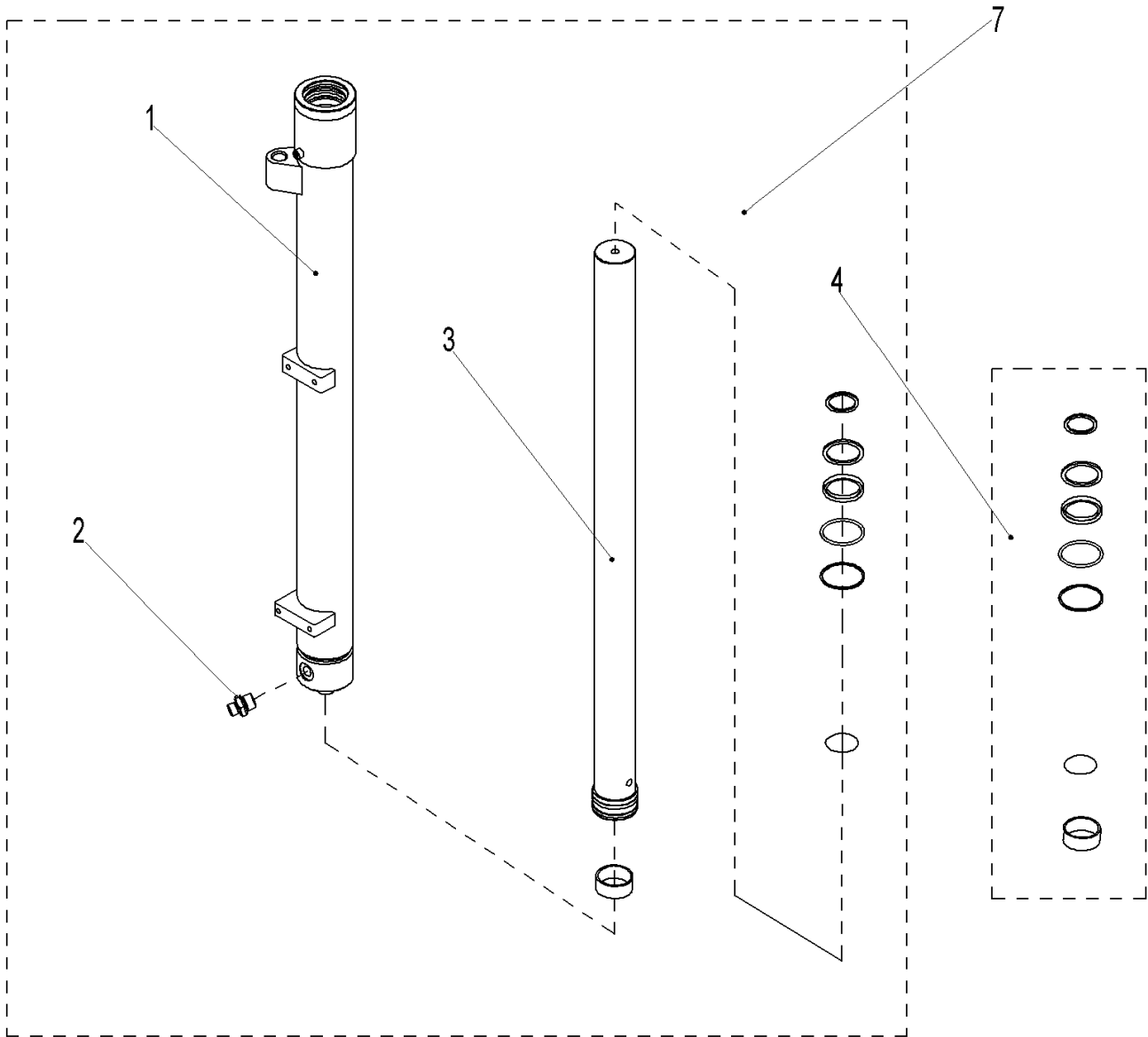
Fig. 37 Forward cylinder



**Fig. 37 Forward Cylinder**

No.	Art No.	Description	Qty.	Note
1	201598520001	Cylinder barrel	1	
2	201598520002	Forward cylinder piston rod	1	
3	201598520003	Forward cylinder cap	1	
4	201598510001	Forward cylinder sealing kits assembly	1	
5	201520010000	Forward cylinder assembly	1	545
	201520010001		1	485

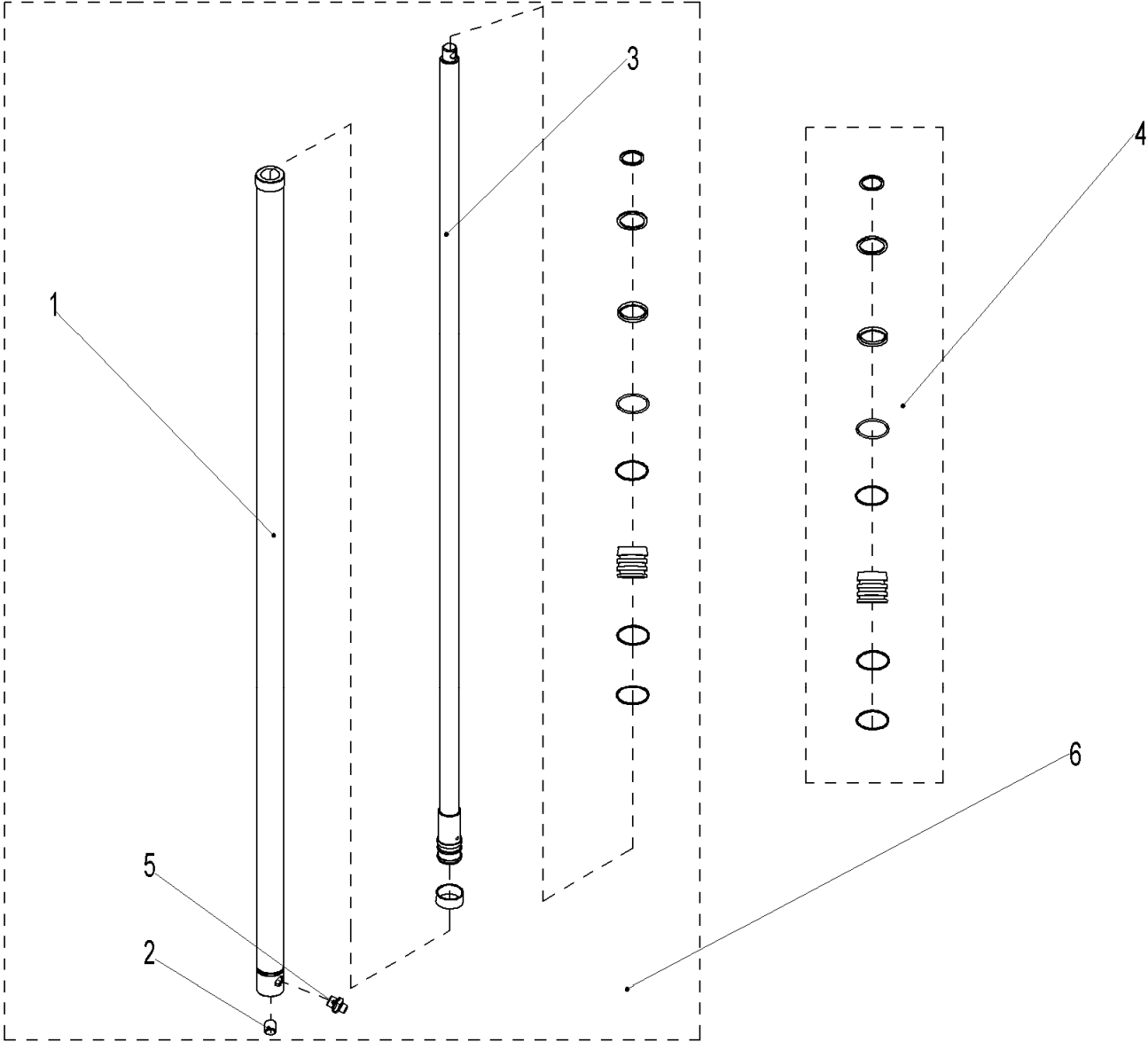
Fig. 38 Front lifting cylinder



**Fig. 38 Front Lifting Cylinder**

No.	Art No.	Description	Qty.	Note
1	201598520004	Cylinder barrel	1	
2	201598520005	Piston rod	1	
3	201598510002	Sealing pad assembly	1	
4	201598520006	Joint	1	
5	201544502004	Front lifting cylinder assembly	1	

Fig. 39 Rear lifting cylinder

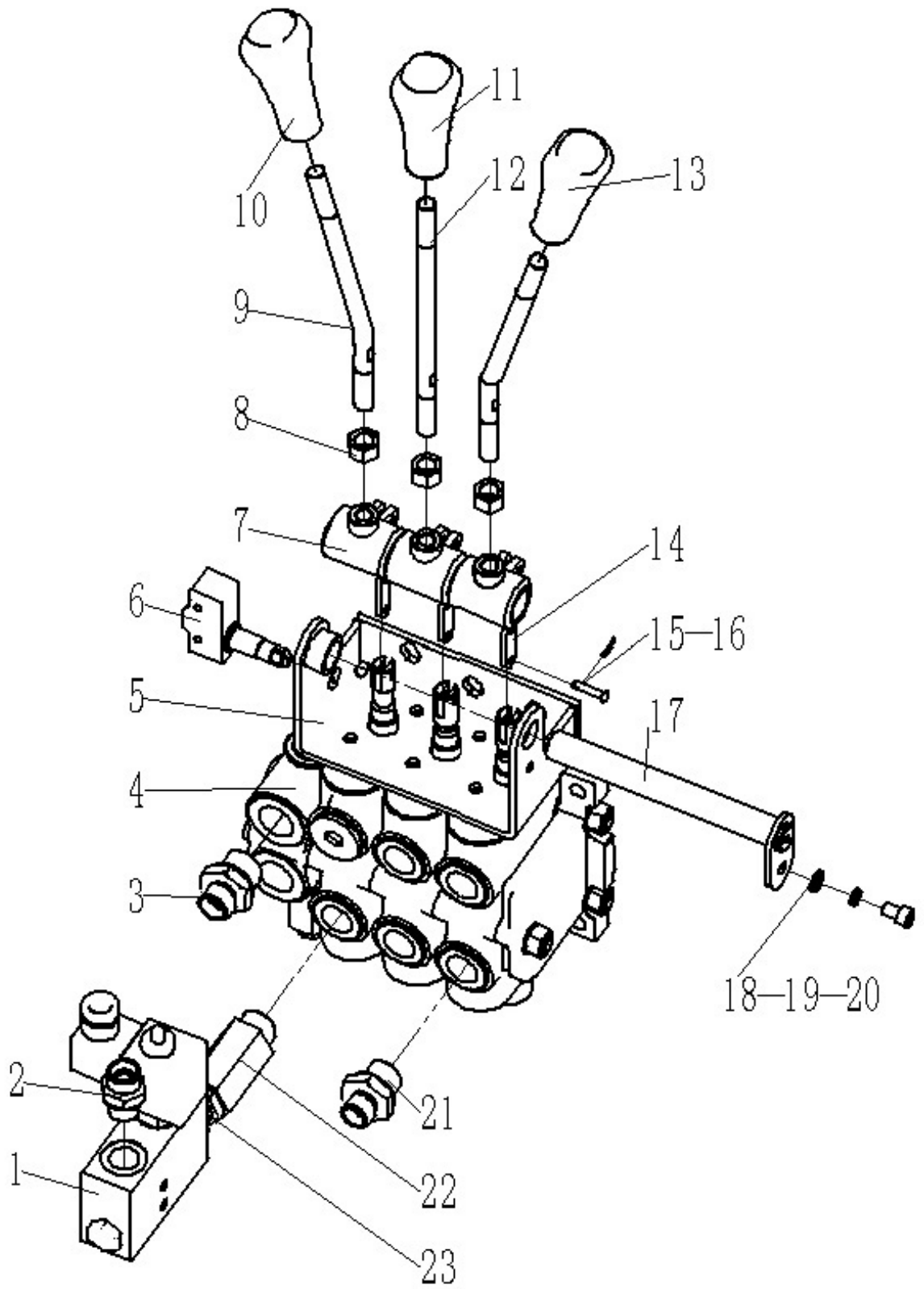


**Fig. 39 Rear Lifting Cylinder**

No.	Art No.	Description	Qty.	Note
1	201598520007	Cylinder barrel	1	
2	201598520008	Cylindrical pin	1	B10×25
3	201598520009	Piston rod	1	
4	201598510003	Sealing pad assembly	1	
5	201598520010	Joint	1	
6	201544502003	Rear lifting cylinder assembly	1	



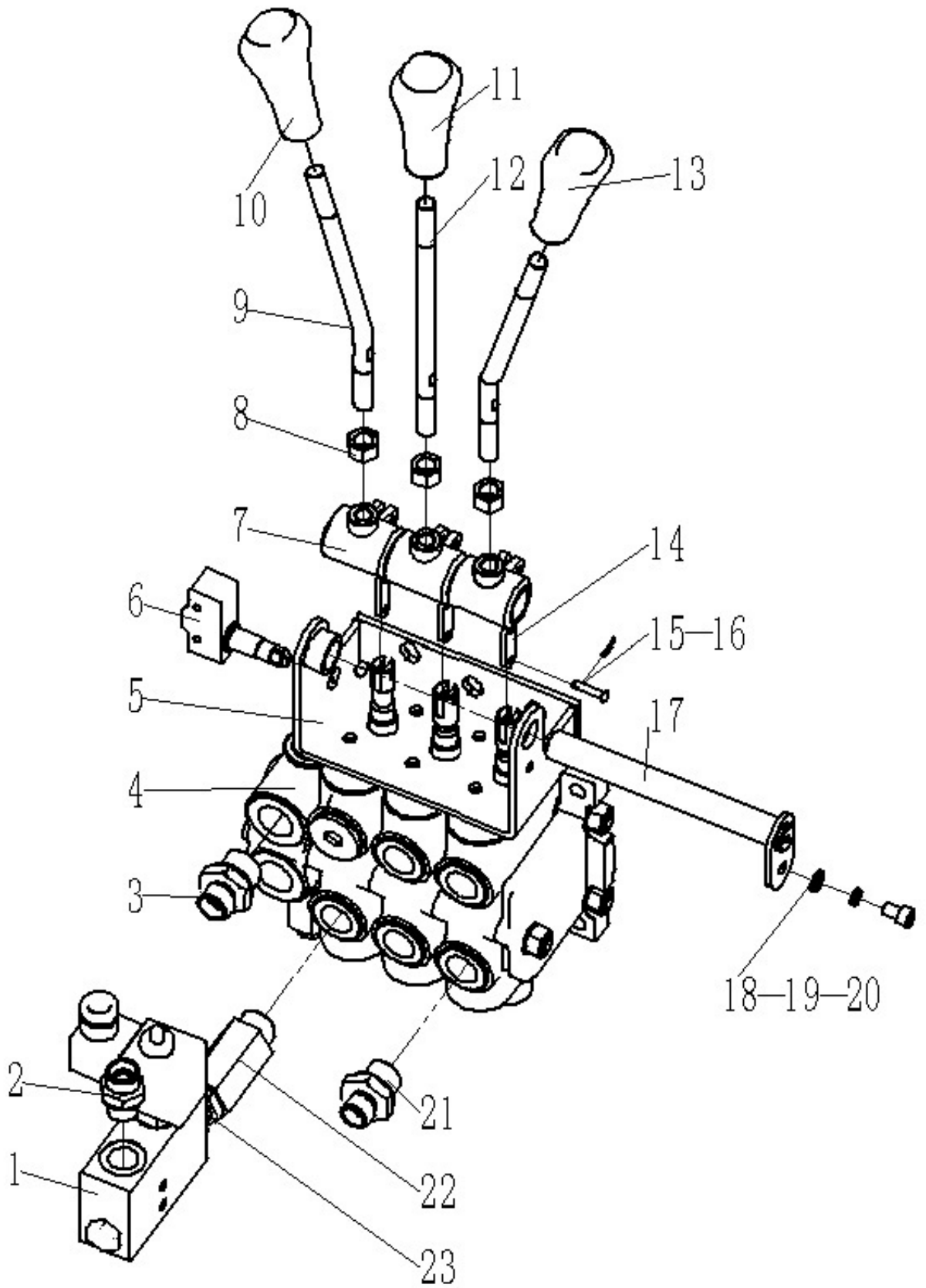
Fig. 40 Multi tandem valve (three ways)



**Fig. 40 Multi tandem Valve (three ways)**

No.	Art No.	Description	Qty.	Note
1	950700200004	Solenoid valve kits	1	VB1601322-100-24DC
2	950400400004	straight Joint	1	12-M16x1.5-M18x1.5 -24°
3	950400400005	straight Joint	2	12-M22x1.5-M18x1.5 -24°
4	950700100002	Hydraulic multi way control valve	1	
5	201025010000	Multi tandem valve assembly frame welding	1	
6	920200300004	Micro switch RZ-15GQ22-B3	4	
7	201025020003	Multi tandem valve control tiller base	3	
8	910300100007	Nut	3	M10
9	201025020004	Multi tandem valve control lever 1	2	
10	216525020010	Lifting knob	1	
11	216525020011	Forward knob	1	
12	201025020005	Multi tandem valve control lever 2	1	
13	216525020012	Tilt knob	1	
14	201025020008	Metal plate	3	
15	910600700002	Short axle	6	4×18
16	910600600005	Split pin	6	1.6×10
17	201025010001	Multi tandem valve short axle welding	1	
18	910200200033	Screw	1	M6×12

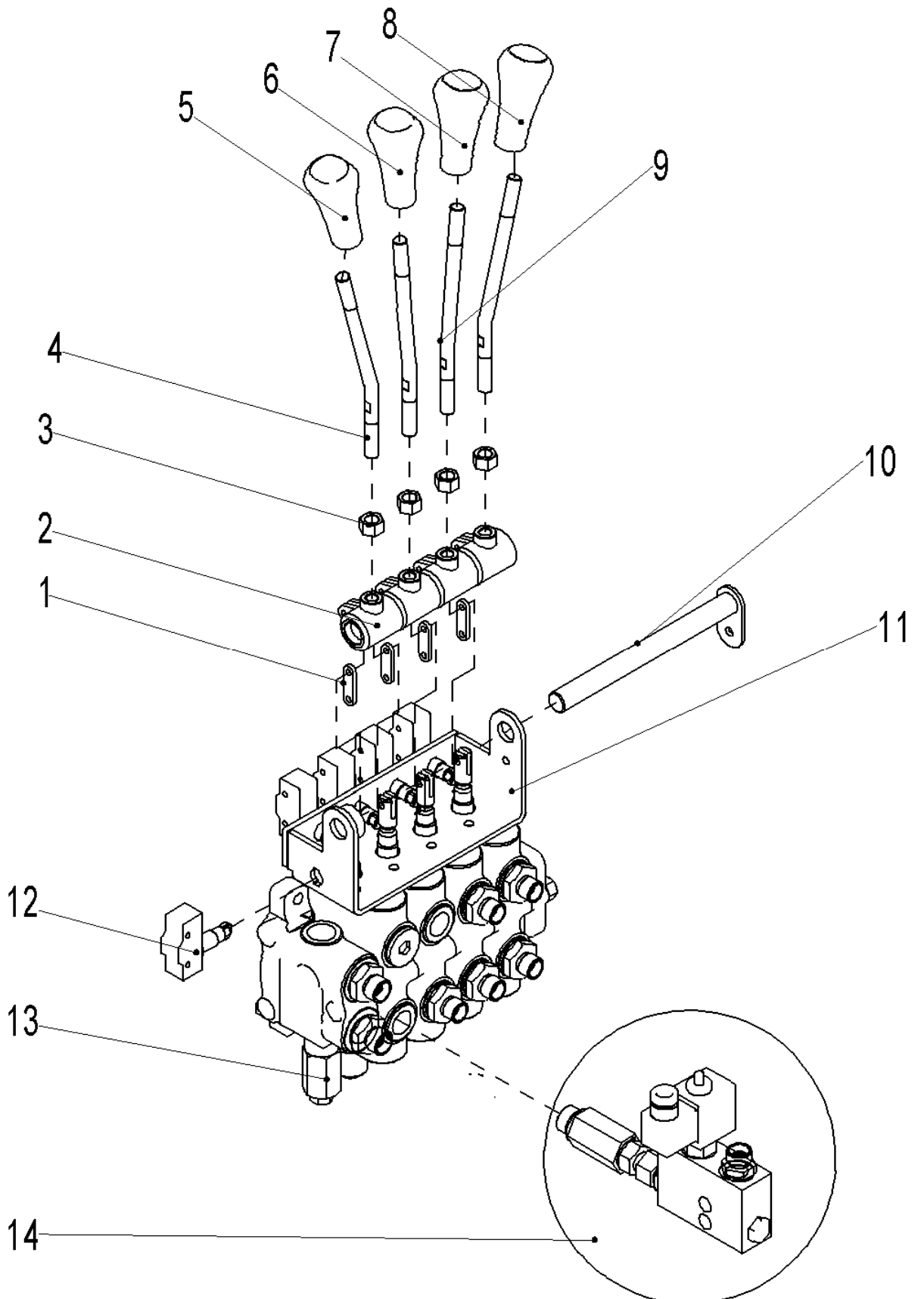
Fig.40 Multi-tandem valve (three ways)



**Fig. 40 Multi tandem valve (three ways)**

No.	Art No.	Description	Qty.	Note
19	910400100005	Flat washer	12	6
20	910400500005	Spring washer	12	6
21	950400400012	Multi tandem valve Joint	6	
22	201025020010	Bushing	1	
23	950400100001	Joint	1	

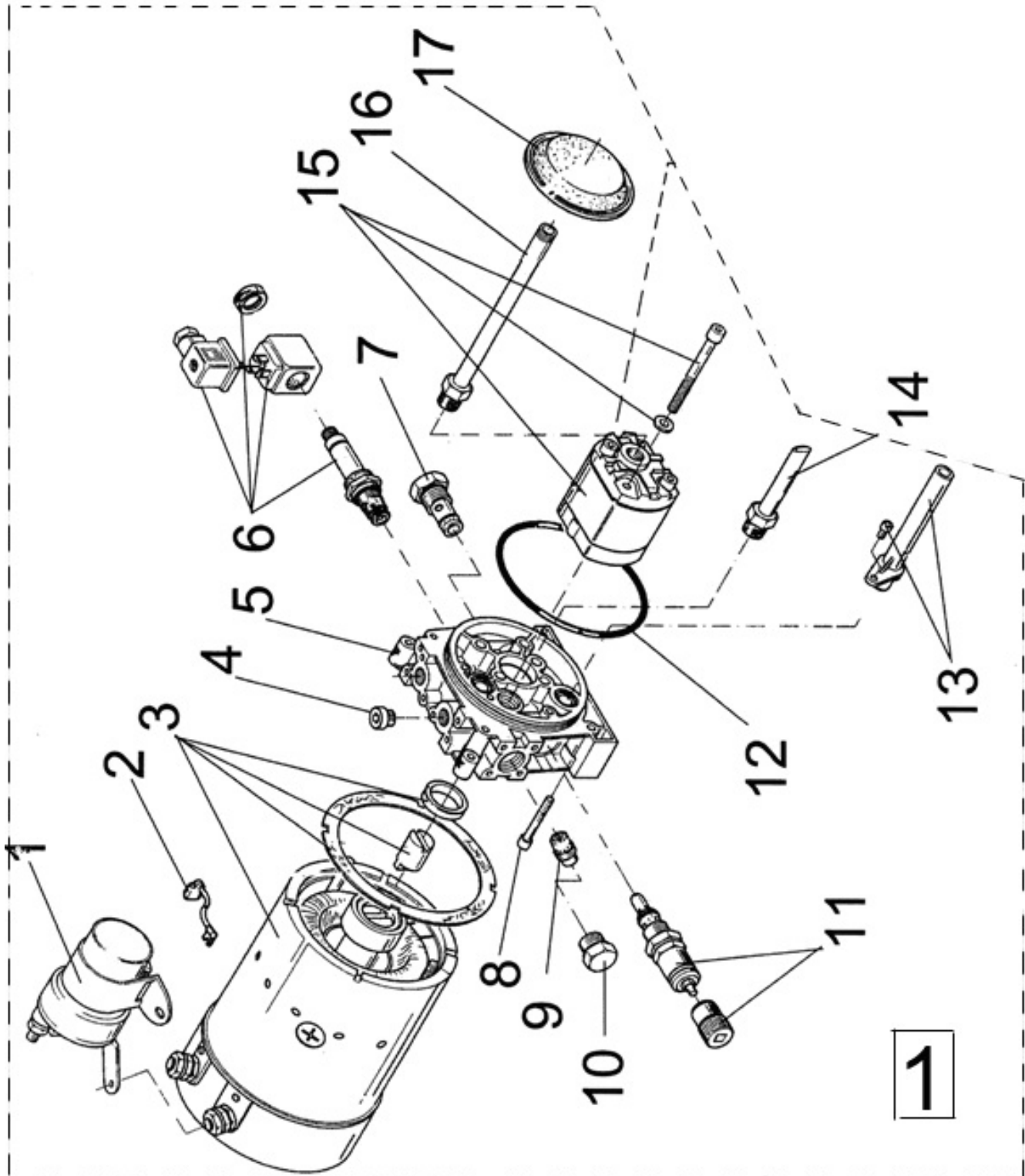
Fig. 41 Multi tandem valve (four ways)



**Fig. 41 Multi Tandem Valve (four ways)**

No.	Art No.	Description	Qty.	Note
1	201025020008	Metal plate	4	
2	201025020003	Multi tandem valve control lever	4	
3	910300100007	Nut	4	GB6170-M10-10
4	201025020004	Control lever 1	2	
5	216525020010	Lifting lever	1	
6	216525020011	Move forward lever	1	
7	216525020012	Tilt lever	1	
8	216525020012	Side shift lever	1	
9	201025520004	Control lever 2	1	
10	201025510001	Axle	1	
11	201025510000	Multi tandem valve assembly frame welding	1	
12	950200300004	Micro switch	5	RZ-15GQ22-B3
13	950700100005	Multi tandem valve four way	1	MSV04-41323-103
14	950700200004	Electromagnetic directional valve	1	VB1601322-100-24 DC

Fig. 42 Pump system 2.2kW

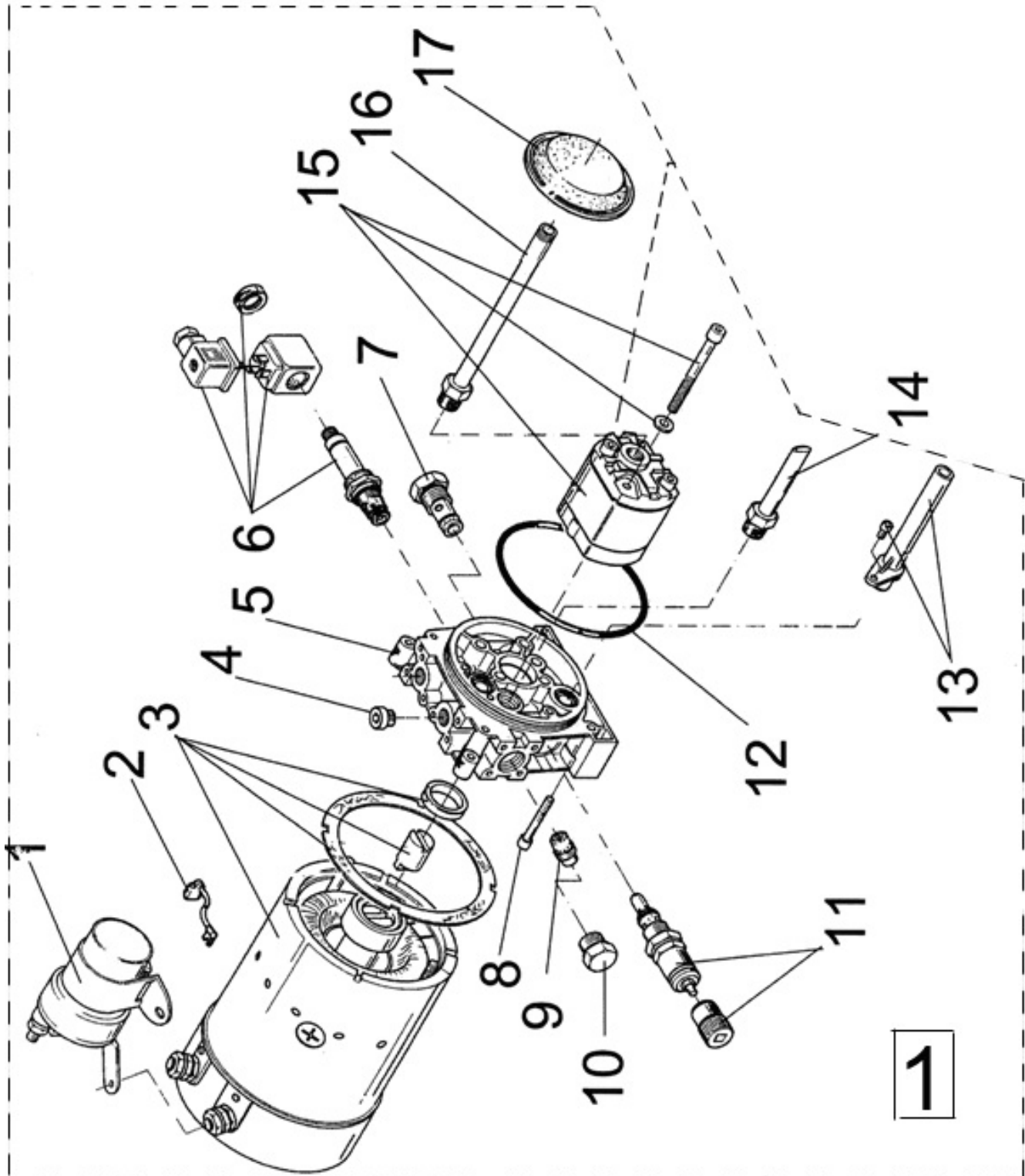


**Fig. 44 Pump system2.2kW**

No.	Art No.	Description	Qty.	Note
1	201098520097	Pump contactor	1	24V120A
2	201098520098	Carbon brush(assembly)	1	
3	201098520099	Motor	1	
4	201098520100	Plug	1	
5	201098520101	Valve body	1	
6	201098520102	Solenoid valve	1	
7	201098520103	Check valve	1	
8	201098520088	Screw	4	
9	201098520104	Flow control valve	1	7.5L/min
10	201098520105	Bolt	1	
11	201098520106	Overflow valve	1	
12	201098520091	O ring	1	
13	201098520107	Oil return pipe	1	
14	201098520108	Oil return pipe	1	
15	201098520109	Gear pump	1	2.2cc/r
16	201098520110	Oil suction pipe	1	
17	201098520111	Filter	1	
1	950900100003	DC power unit	1	24V3.0kW3.2cc/r



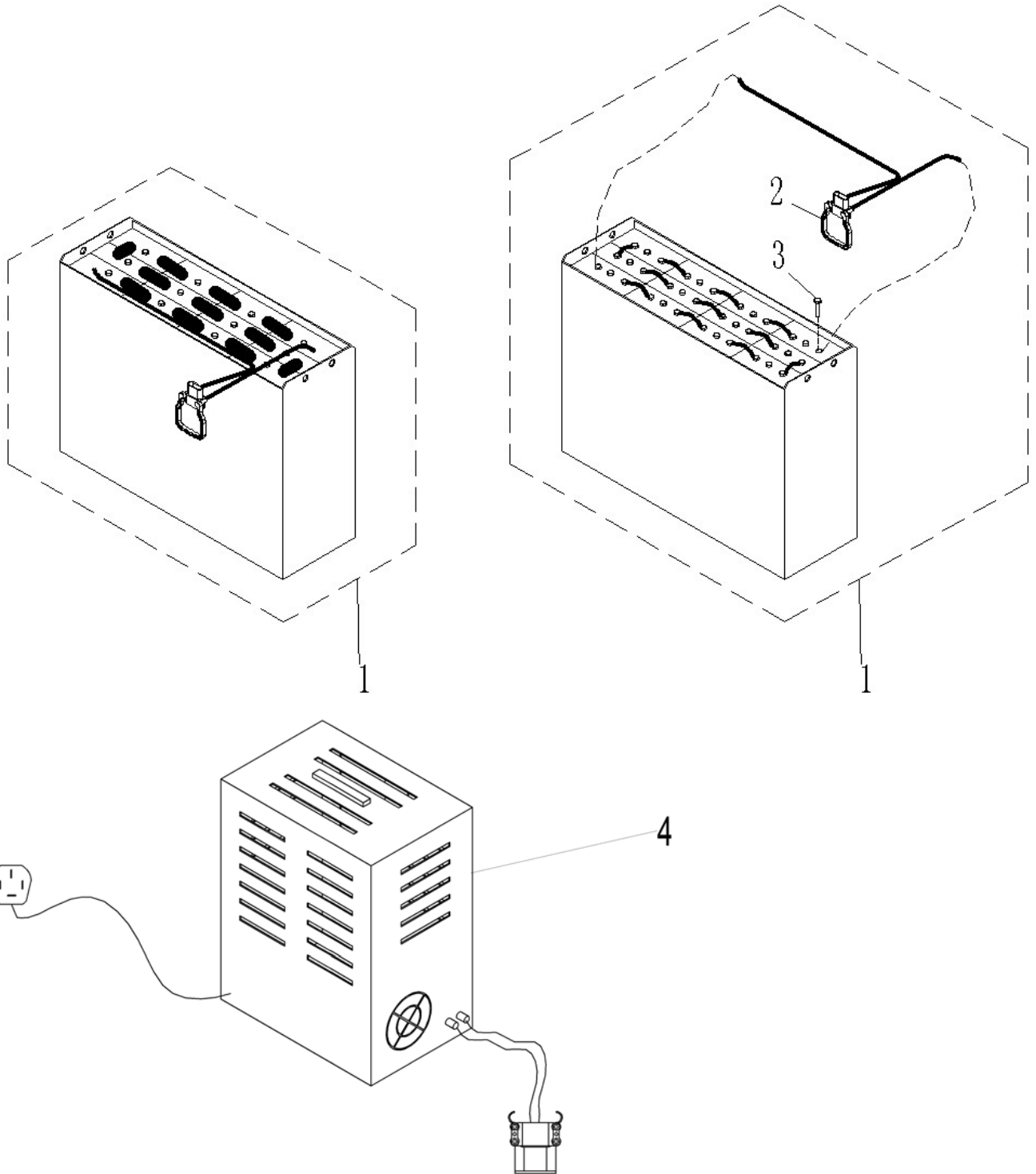
Fig. 43 Pump system 3.0kW



**Fig. 43 Pump system3.0kW**

No.	Art No.	Description	Qty.	Note
1	201098520081	Pump contactor	1	24V150A
2	201098520082	Carbon brush(assembly)	1	
3	201098520083	Motor	1	
4	201098520084	Plug	1	
5	201098520085	Valve body	1	
6	201098520086	Solenoid valve	1	
7	201098520087	Check valve	1	
8	201098520088	Screw	4	
9	950600400003	Flow control valve	1	7.5L/min
10	201098520089	Bolt	1	
11	201098520090	Overflow valve	1	
12	201098520091	O ring	1	
13	201098520092	Oil return pipe	1	
14	201098520093	Oil return pipe	1	
15	201098520094	Gear pump	1	3.2cc/r
16	201098520095	Oil suction pipe	1	L=250.50mm
17	201098520096	Filter	1	
1	950900100008	DC power unit	1	24V3.0kW3.2cc/r

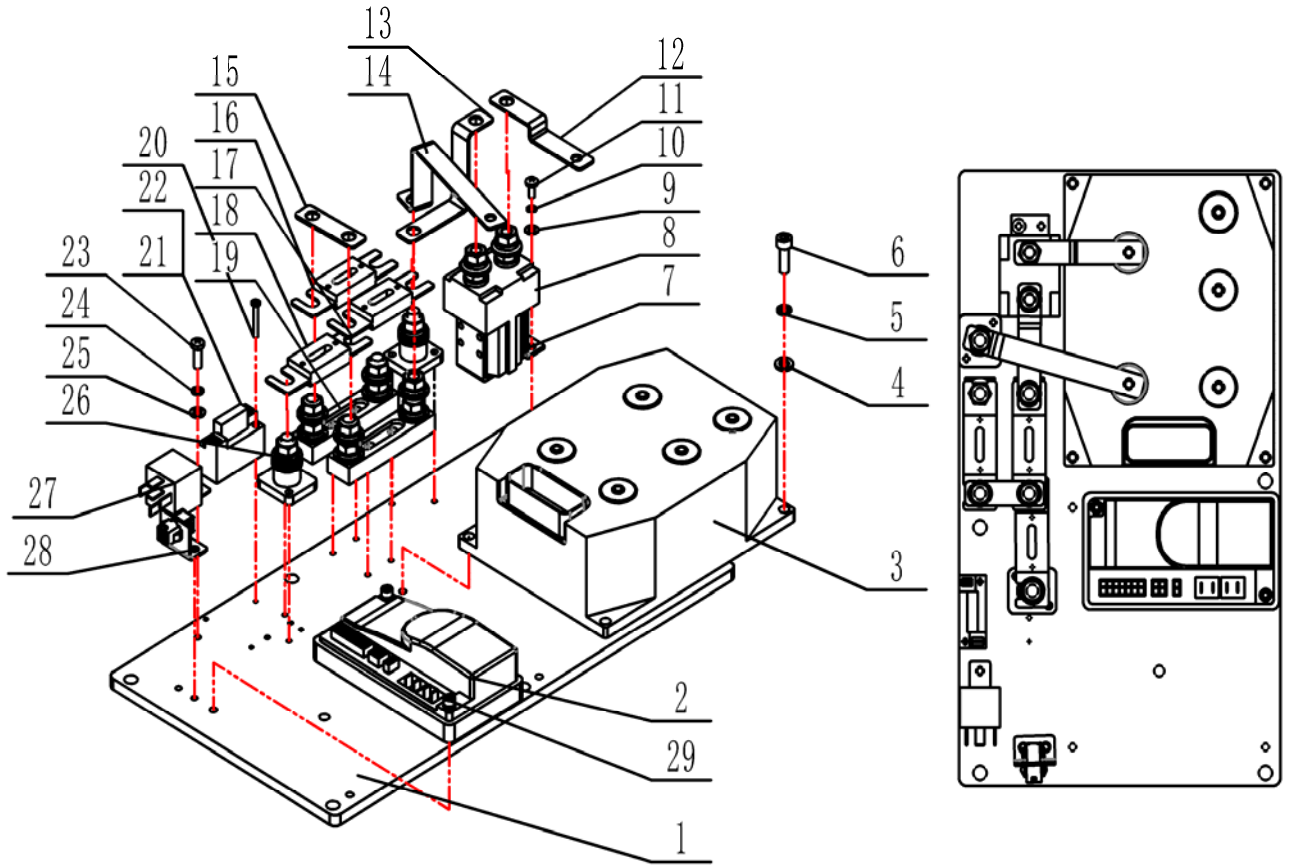
**Fig. 44 Battery**



**Fig. 44 Battery**

No.	Art No.	Description	Qty.	Note
1	206037010002	Power supply assembly	1	24V400Ah
	201037010000			24V270Ah
	201037010003			24V360Ah
2	920400100007	Plug kits	1	REMA95311-00
3	505698510002	Screw	24	Only bolt type battery
4	921000200183	Charger SN24V35A	1	
5	921000200184	Charger SN24V35A	1	
6	921000200185	Charger SN24V35A	1	
7	921000200186	Charger SN24V35A	1	
8	921000200187	Charger SN24V35A	1	
9	921000200188	Charger SN24V35A	1	
10	921000200025	Charger SN24V55A	1	
11	921000200026	Charger SN24V55A	1	
12	921000200027	Charger SN24V55A	1	
13	921000200028	Charger SN24V55A	1	
14	921000200029	Charger SN24V55A	1	
15	921000200030	Charger SN24V55A	1	

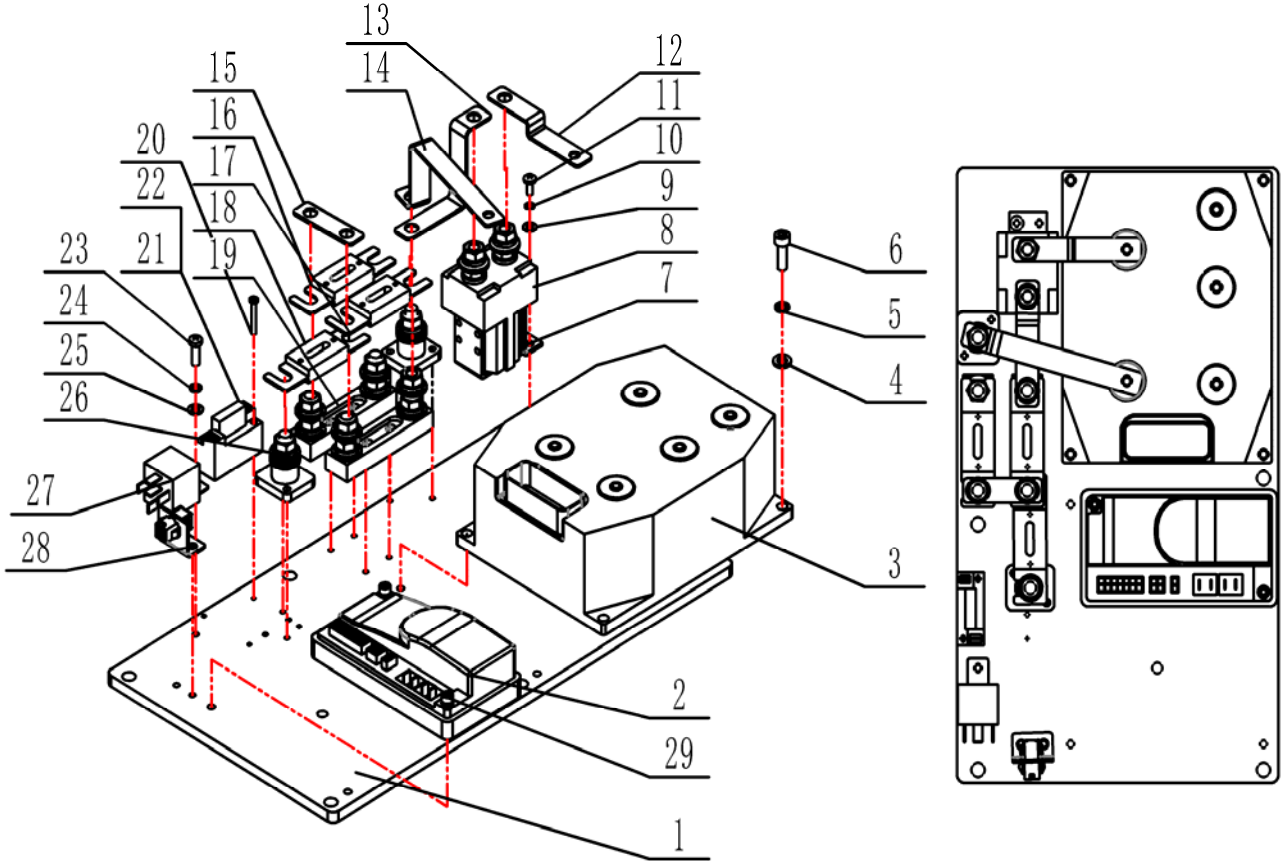
Fig. 45 Controller components



**Fig. 45 Controller components**

No.	Art No.	Description	Qty.	Note
1	201033020000	Aluminium plate	1	
2	921400100023	Controller	1	1220C-2201
3	921400100005	Controller	1	1232E-2321
4	910400100005	Flat washer	4	GB97.1-6-200HV
5	910400500005	Spring washer	4	GB93-6
6	910200200035	Screw	4	GB70.1-M6x16-8.8
7	921300400001	Mai contactor fixing part	1	(100)
8	920700100004	Contactor	1	DC24V-C100-120
9	910400100003	Flat washer	8	GB97.1-4-200HV
10	910400500003	Spring washer	8	GB93-4
11	910200500021	Screw	8	GB818-M4x10-4.8
12	201033020001	Copper bar 一	1	
13	201033020002	Copper bar 二	1	
14	201033020003	Copper bar 三	1	
15	505633020003	Copper bar	1	
16	920100100008	Fuse	1	200A(plastic)
17	920100100007	Fuse	1	150A(plastic)
18	920100100001	Fuse	1	30A(plastic)

Fig. 45 Controller components

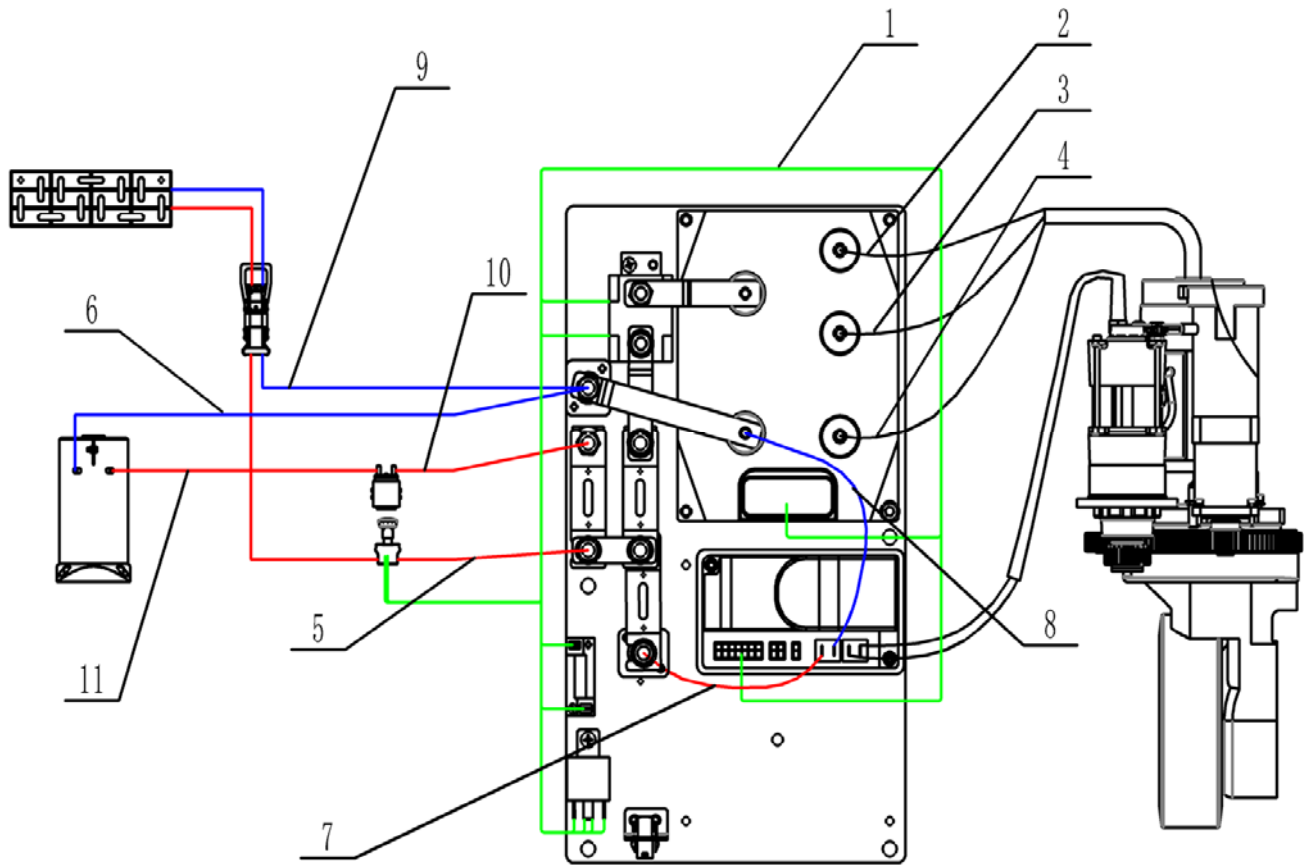


**Fig. 45 Controller components**

No.	Art No.	Description	Qty.	Note
19	920100400002	Fuse seat	2	SY Y
20	910200500016	Screw	2	GB818-M3x25-4.8
21	920100400006	Fuse seat	1	BD-1x10A
22	920100200002	Fuse	1	10A
23	910200500037	Screw	1	GB818-M5x10-4.8
24	910400500004	Spring washer	1	GB93-5
25	910400100004	Flat washer	1	GB97.1-5-200HV
26	920100400001	Fuse seat	1	M8
27	920800100001	Relay	1	DC24V-ACR01F-F-1C
28	921300300003	Plug fixing frame 4 pins	1	
29	910200500027	Screw	2	GB818-M4x25-4.8



Fig. 46 Wiring harness



**Fig. 46 Wiring harness**

No.	Art No.	Description	Qty.	Note
1	201033010027	Main control wiring harness	1	(1232E-2321+1220 C)
2	201033010001	Cable	1	-UT-16-6-8-500
3	201033010002	Cable	1	-VT-16-6-8-500
4	201033010003	Cable	1	-WT-16-6-8-500
5	201033010004	Cable	1	-B0+-25-8-8-520
6	201033010005	Cable	1	-B2--25-8-8-950
7	201033010029	Linking cable	1	-B6+-6-6.3-8-300
8	201033010030	Linking cable	1	-B3--6-6.3-6-350
9	201033010011	Main power supply wiring harness	1	(1232E-2121+EPS1 220 Better)
10	201033010014	Cable	1	-B5+-25-8-8-350
11	201033010015	Cable	1	-B8+-25-8-8-600

### Easy worn parts list

No.	Art No.	Fig./Position	Description	Qty.	Note
1	201538020020	Fig.9/15	Axle	1	Fork frame kits
2	940500400002	Fig.9/14	Bearing	4	
3	910700200023	Fig.25/1	Bearing	2	Load roller
4	940300300024	Fig.25/2	Front wheel	1	
5	201017001000	Fig.25/ I	Load roller assembly	2	
6	940300300019	Fig.31/12	Balance wheel	1	Steering wheel kits
7	910700200019	Fig.31/11	Bearing	2	
8	532616520003	Fig.31/9	Bushing	1	
9	532616520001	Fig.31/4	Spacer	1	
10	910700400004	Fig.31/3	Bearing	2	
11	940200100006	Fig.12/8	Main roller	4	Mast kits
12	940200200007	Fig.12/4	Side roller	4	
13	940200500001	Fig.14/1	Chain wheel bearing	2	
14	940200300012	Fig.16/23	Compound roller	2	
15	940801300001	Fig.30/4	Hinge kits	2	Battery cover turning structure
16	940200100011	Fig.23/15	Main roller	4	Drive assembly
17	201598510003	Fig.39/4	Sealing pad assembly	1	Rear lifting cylinder
18	201598510002	Fig.38/3	Sealing pad assembly	1	Front lifting cylinder

### Easy worn parts list

No.	Art No.	Fig./Position	Description	Qty.	Note
19	201598510001	Fig.37/4	Forward cylinder seal kits assembly	1	Forward cylinder
20	201598510004	Fig.32/4	Tilt cylinder seal kits assembly	1	Tilt cylinder
21	940500200002	Fig.26/8	Bushing with shoulder	2	Tiller kits
22	940400100002	Fig.26/13	Air spring (S≥55)	1	
23	940400100006	Fig.28/5	Air spring	1	Protective arm assembly
24	505617510005	Fig.28/8	Spring	1	
25	940500200008	Fig.29/3	Bushing with shoulder	4	Platform assembly
26	940400100008	Fig.29/6	Air spring	1	
27	920400100007	Fig.44/2	Plug kits	1	Battery
28	505698510002	Fig.44/3	Screw	24	