



Part list

Electric Reach Stacker

ER15L/ER15



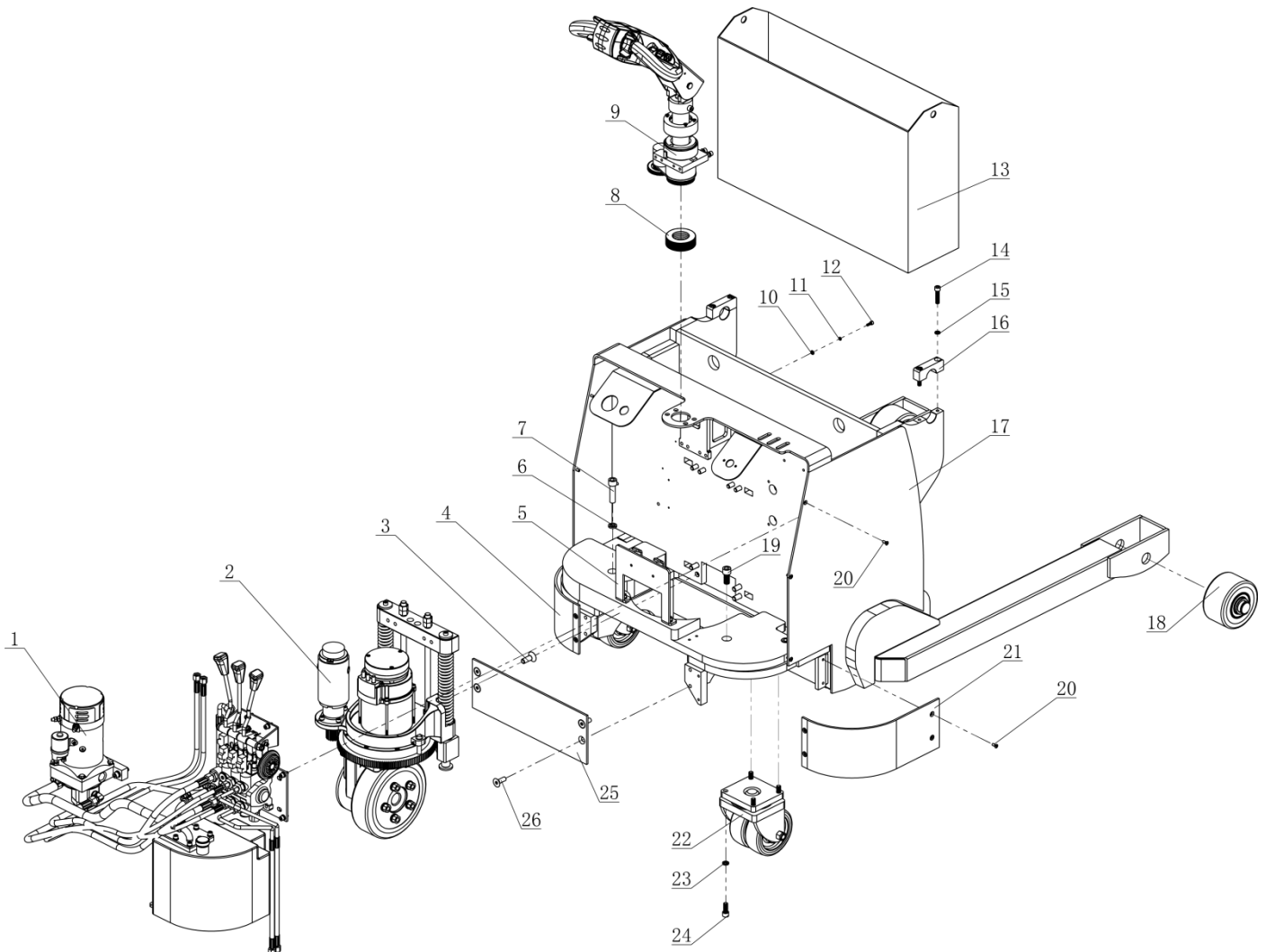
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1.Bodywork system

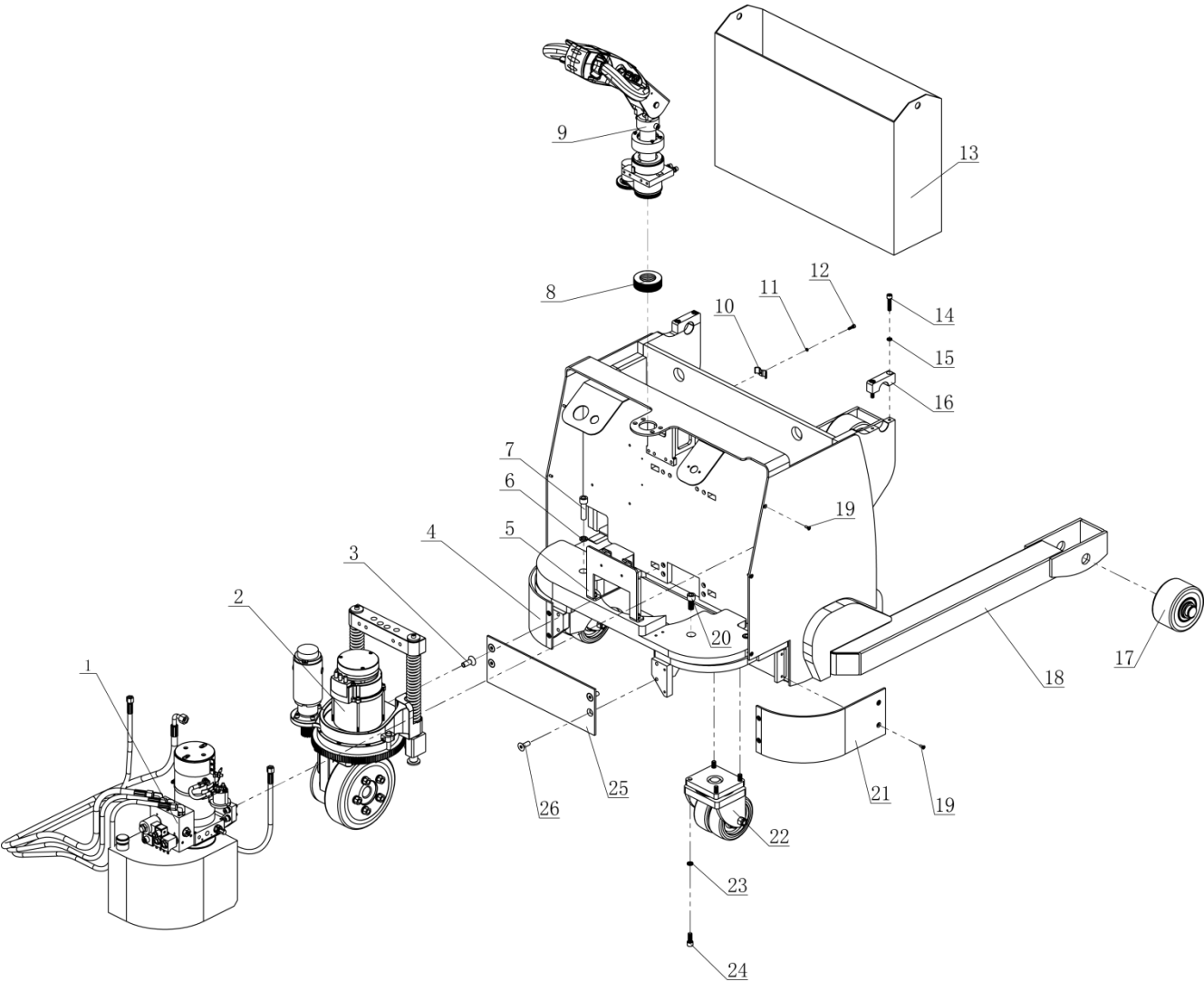
1.1Frame assembly(Multi-way valve control)



1.1Frame assembly(Multi-way valve control)

No.	Code	Description	Specificati on	QTY	
1	ER15-01.2	Hydraulic system assembly		1	
2	ER15 -01.6C	Driving assembly		1	
3	GB/T 70.3-2000	Hexagon socket countersunk head screws	M14×40	4	
4	Q1545.01-11	Lower Coaming Left		1	
5	ER15-01.4	Fixing bracket assembly		1	
6	GB/T 93-1987	Spring Washer	φ16	1	
7	GB/T 70.1-2000	Hexagon socket head cap screws	M16×60	1	
8	CL10.5-5H	Dust cover		1	
9	Q1545.07	Handlebar assembly		1	
10	GB/T 95-2002	Flat Washer	φ6	2	
11	GB/T 93-1987	Spring Washer	φ6	2	
12	GB/T 70.1-2000	Hexagon socket head cap screws	M6×16	2	
13	CLL2032.01.03	Battery pack		1	
14	GB/T 70.1-2000	Hexagon socket head cap screws	M10×40	4	
15	GB/T 93-1987	Spring Washer	φ10	4	
16	ER15-01.7	Shaft seat cover		2	
17	ER15-01.1	Frame welded		1	
18	ER15-01.3	Bearing wheel assembly		2	
19	GB/T 70.1-2000	Hexagon socket head cap screws	M16×30	2	
20	GB 2674-86	Hexagonal flower-shaped half countersunk head screw	M6×16	14	
21	Q1545.01-12	Lower Coaming Right		1	
22	Q1545.01.22	Steering wheel		2	
23	GB/T 93-1987	Spring Washer	φ12	8	
24	GB/T 70.1-2000	Hexagon socket head cap screws	M12×30	8	
25	Q1545.01-13	Middle Lower Coaming		1	
26	GB/T 70.3-2000	Hexagon socket countersunk head screws	M12*35	4	

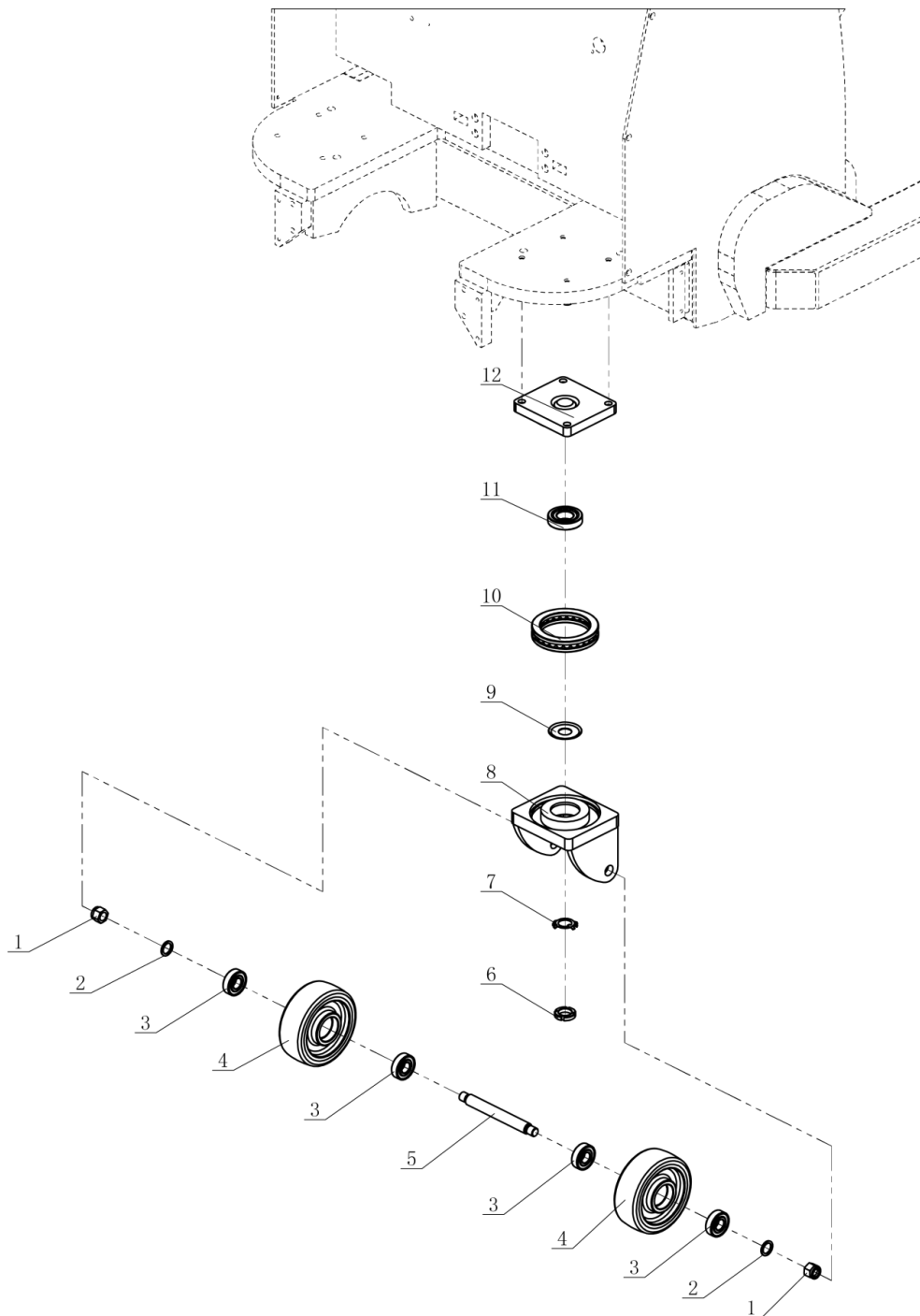
1.2Frame assembly(Electromagnetic valve control)



1.2Frame assembly(Solenoid valve control)

No.	Code	Description	Specification	QTY	
1	ER15-06.2	Hydraulic system assembly		1	
2	ER15 -01.6C	Driving assembly		1	
3	GB/T 70.3-2000	Hexagon socket countersunk head screws	M14×40	4	
4	Q1545.01-11	Lower Coaming Left		1	
5	ER15-01.4	Fixing bracket assembly		1	
6	GB/T 93-1987	Spring Washer	φ16	1	
7	GB/T 70.1-2000	Hexagon socket head cap screws	M16×60	1	
8	CL10.5-5H	Dust cover		1	
9	Q1545.07	Handlebar assembly		1	
10	ER15-02.3.3.3	Pipe clamp		4	
11	GB/T 93-1987	Spring Washer	φ6	4	
12	GB/T 70.1-2000	Hexagon socket head cap screws	M6×20	4	
13	CLL2032.01.03	Battery pack		1	
14	GB/T 70.1-2000	Hexagon socket head cap screws	M10×40	4	
15	GB/T 93-1987	Spring Washer	φ10	4	
16	ER15-01.7	Shaft seat cover		2	
17	ER15-01.3	Bearing wheel assembly		2	
18	ER15-01.1	Frame welded		1	
19	GB 2674-86	Hexagonal flower-shaped half countersunk head screw	M6×16	14	
20	GB/T 70.1-2000	Hexagon socket head cap screws	M16×30	2	
21	Q1545.01-12	Lower Coaming Right		1	
22	Q1545.01.22	Steering wheel		2	
23	GB/T 93-1987	Spring Washer	φ12	8	
24	GB/T 70.1-2000	Hexagon socket head cap screws	M12×30	8	
25	Q1545.01-13	Middle Lower Coaming		1	
26	GB/T 70.3-2000	Hexagon socket countersunk head screws	M12*35	4	

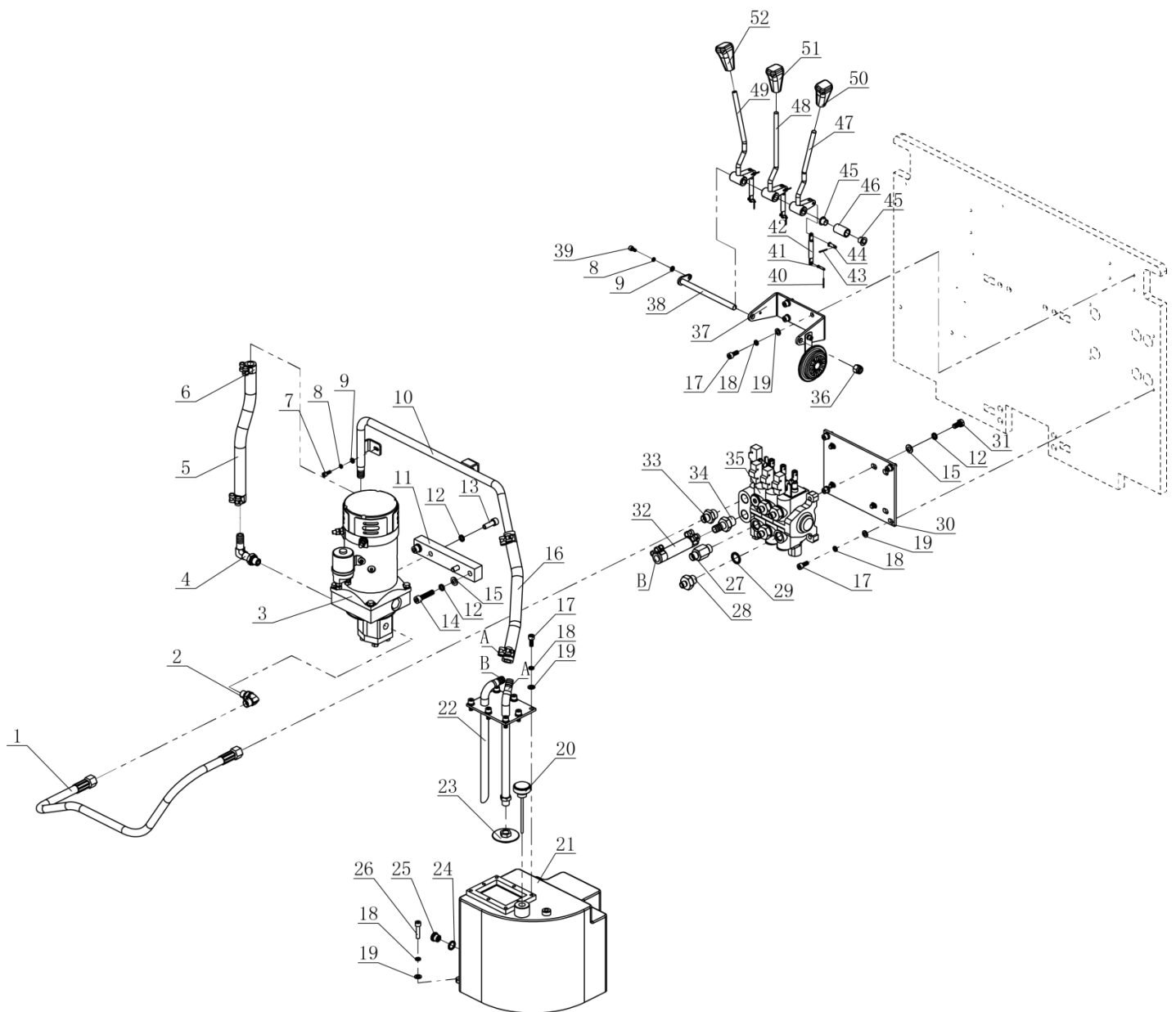
1.3 Balance wheel assembly



1.3Balance wheel assembly

No.	Code	Description	Specification	QTY	
1	GB/T 889.1-2000	Hexagon lock nut	M16	4	
2	Q1545.01.22-5	Washer		4	
3	GB/T 276-94	Deep groove ball	6204-2Z	8	
4	CL10.5.5-7	Rear Wheel		4	
5	Q1545.01.22-4	Bolt		2	
6	GB/T 810-1988	Small Round nut	M24×1.5	2	
7	GB 858-1988	Lock washer for round	24×1	2	
8	Q1545.01.22.01	Wheel frame welding		2	
9	Q1545.01.22-3	Dust cover		2	
10	GB/T 301-1995	Thrust ball bearing	51118	2	
11	GB/T 297-94	Tapered Roller Bearings	30206	2	
12	Q1545.01.22.02	Shaft welding parts		2	

1.4Hydraulic system assembly(Multi-way valve control)

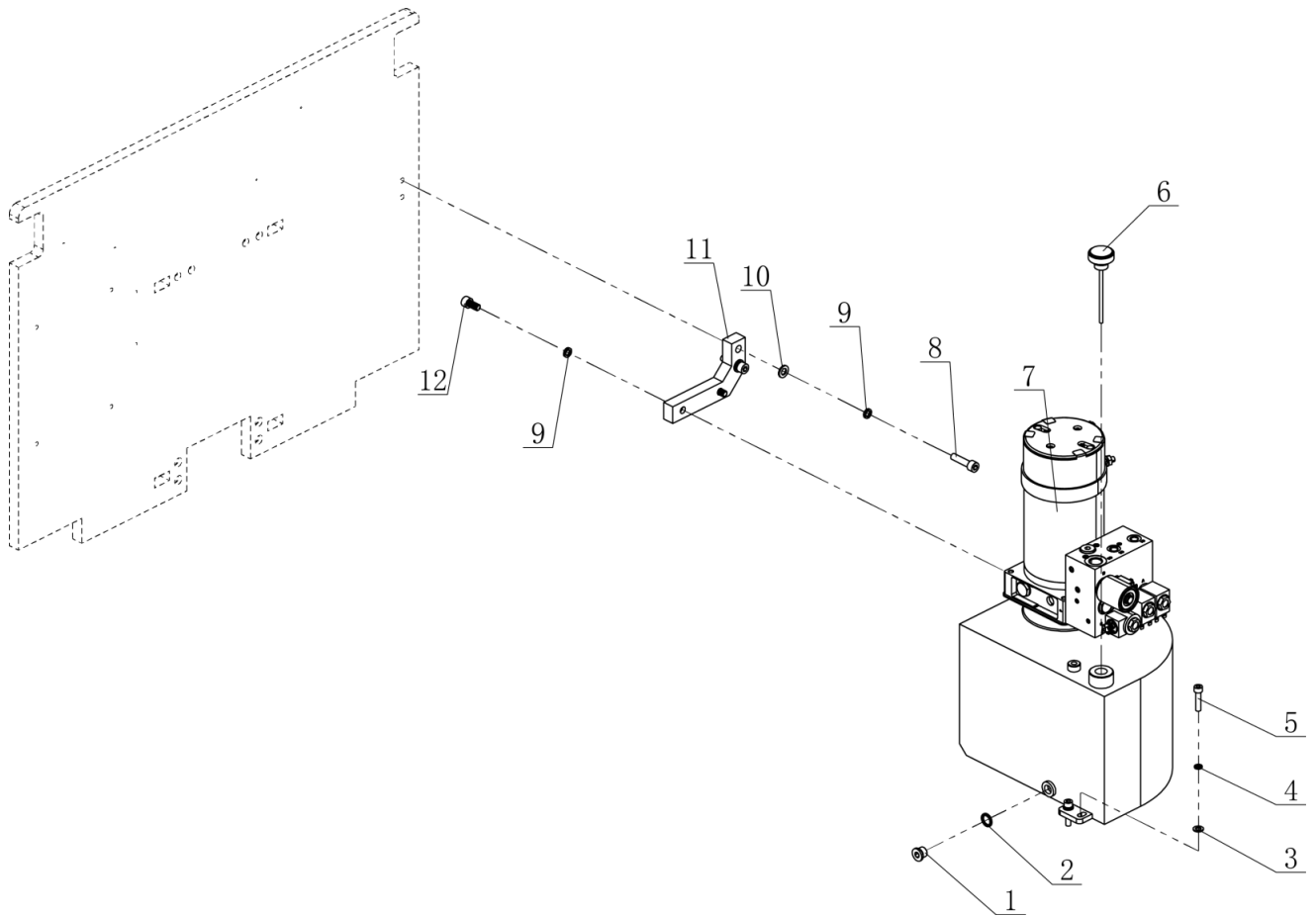


1.4Hydraulic system assembly(Multi-way valve control)

No.	Code	Description	Specification	QTY	
1	ER15-01.2.20	Rubber hose (4)		1	
2	ER15-01.2.21	Right angle adjustable joint		1	
3	ER15-01.2.18.1	Power unit 072-26E	3KW24V	1	
4	ER15-01.2.19	Pump Right angle adjustable joint		1	
5	ER15-01.2.12	Oil suction hose (1)		1	
6	23-25	Hoop		6	
7	GB/T 70.1-2000	Hexagon socket head cap screws	M6×16	2	
8	GB/T 93-1987	Spring Washer	φ6	3	
9	GB/T 95-2002	Flat Washer	φ6	3	
10	ER15-01.2.15	Oil inlet steel pipe welding		1	
11	ER15-01.2.18.2	Hexagon socket head cap screws		1	
12	GB/T 93-1987	Spring Washer	φ10	8	
13	GB/T 70.1-2000	Hexagon socket head cap screws	M10×30	2	
14	GB/T 70.1-2000	Hexagon socket head cap screws	M10×40	2	
15	GB/T 95-2002	Flat Washer	10×2	6	
16	ER15-01.2.13	Oil suction hose (2)		1	
17	GB/T 70.1-2000	Hexagon socket head cap screws	M8×20	16	
18	GB/T 93-1987	Spring Washer	φ8	18	
19	GB/T 95-2002	Flat Washer	φ8	18	
20	ER15-YFG-001	G1 / 2 Oil tank cover	G1 / 2	1	
21	ER15-01.2.3.1	Oil tank welding		1	
22	ER15-01.2.3.2	Oil tank cover welding		1	
23	ER15.GLQ-001	Filter		1	
24	GB982-77	Φ16Combination seal		1	
25	JBZQ4444-1997	Hexagon socket plug	M16×1.5×15	1	
26	GB/T 70.1-2000	Hexagon socket head cap screws	M8×35	2	
27	ER15-01.2.17	Straight joint		1	

28	E10GS-01.11.7	Straight connector		4	
29	GB892-77	Φ20Combination seal		4	
30	Q20GA-01.2.2	Solenoid valve lock plate		1	
31	GB/T 5781-2000	Hexagon head bolt full thread	M10×1.25×20	4	
32	ER15-01.2.14	Oil return hose	L=120	1	
33	ER15-01.2.22	Straight joint		1	
34	ER15-01.2.4	Connector		1	
35	MSV04-3133-116	Multi-way valve(Triple way))		1	
36	GB/T 889.1-2000	Hexagon lock nut	M12	1	
37	Q20GA-01.2.1.5	Bracket		1	
38	Q20GA-01.2.1.4	Pin Shaft welding		1	
39	GB/T 70.1-2000	Hexagon socket head cap screws	M6×12	1	
40	GB/T 91-2000	Split pin	1.6×20	3	
41	GB 882-88	Pin Shaft	4.5×20	3	
42	ER15-01.2.1.1.4	Connecting Rod		3	
43	GB/T 91-2000	Split pin	2×20	3	
44	GB 882-88	Pin Shaft	6×20	3	
45	ER15-FHT-001	Composite set with shoulder	Φ20×Φ14×Φ12×1 1	8	
46	Q20GA-01.2.1.6	Spacer		1	
47	ER15-01.2.1.1.3	Tilting handlebar welding		1	
48	ER15-01.2.1.1.2	Reach handlebar welding		1	
49	ER15-01.2.1.1.1	Lifting handlebar welding		1	
50	DF-CCSB-003	Tilting handle		1	
51	DF-CCSB-003	Reach handle		1	
52	DF-CCSB-003	Lifting handle		1	

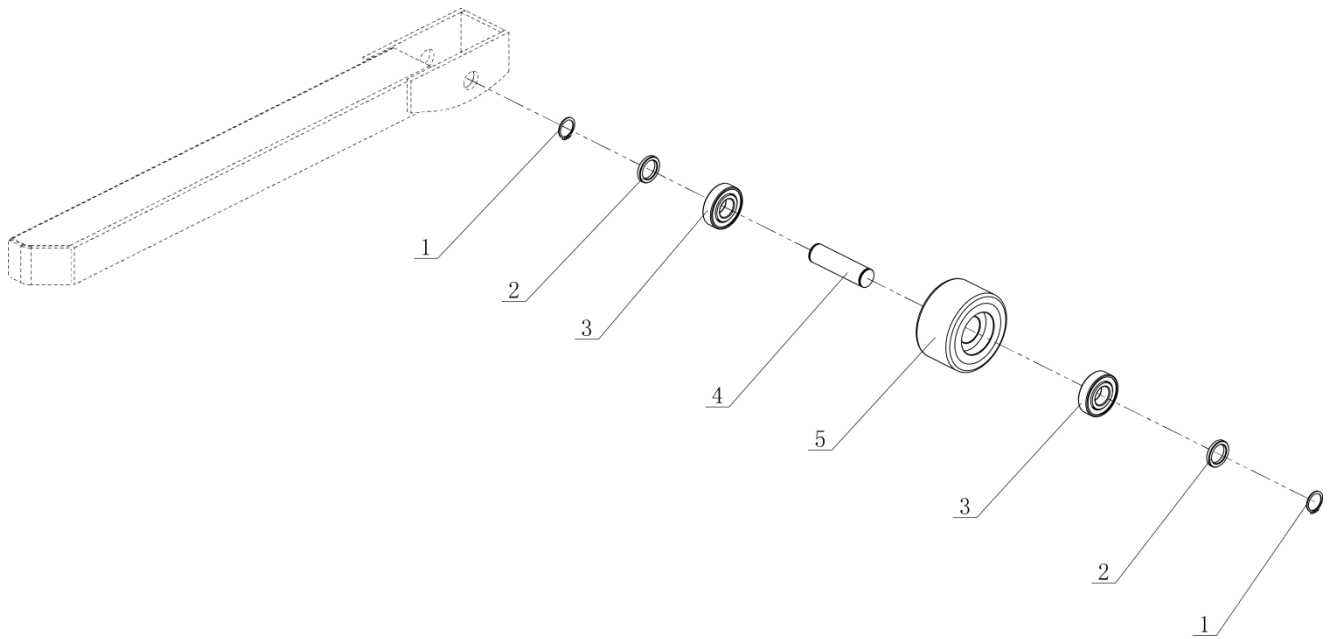
1.5Hydraulic system assembly(Solenoid valve control)



1.5Hydraulic system assembly(Solenoid valve control)

No.	Code	Description	Specification	QTY	
1	JBZQ4444-1997	Hexagon socket plug	M16×1.5×15	1	
2	GB982-77	Φ16Combination seal		1	
3	GB/T 95-2002	Flat Washer	φ8	2	
4	GB/T 93-1987	Spring Washer	φ8	2	
5	GB/T 70.1-2000	Hexagon socket head cap screws	M8×35	2	
6	ER15-YFG-001	G1 / 2 Oil tank cover	G1 / 2	1	
7	ER15-06.2.1	Power unit assembly (Buch)		1	
8	GB/T 70.1-2000	Hexagon socket head cap screws	M10×40	2	
9	GB/T 93-1987	Spring Washer	φ10	4	
10	GB/T 95-2002	Flat Washer	φ10	2	
11	CL1555QD.01-6	Valve block mounting plate		1	
12	GB/T 70.1-2000	Hexagon socket head cap screws	M10×20	2	

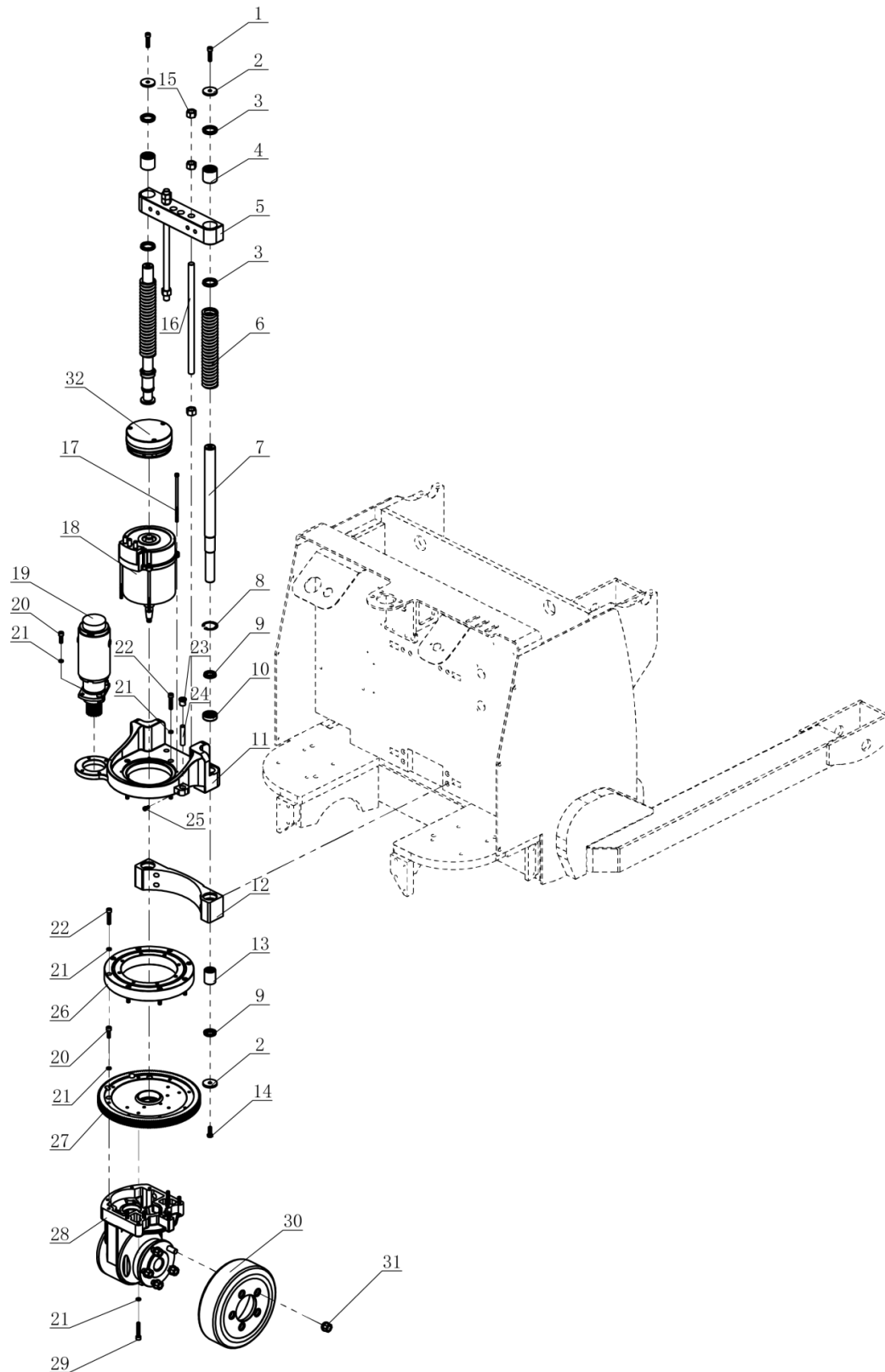
1.6 Front wheel assembly



1.6 Front wheel assembly

No.	Code	Description	Specification	QTY	
1	GB 894.1-86	Circlip for shaft	35	4	
2	ER15-01.3.2	Spacer		4	
3	GB/T 276-94	Deep groove ball bearing	6307-2Z	4	
4	ER15-01.3.1	axle		2	
5	ER15-01.3	Φ150×82Bearing wheel	Φ150×82	2	

1.7Driving assembly

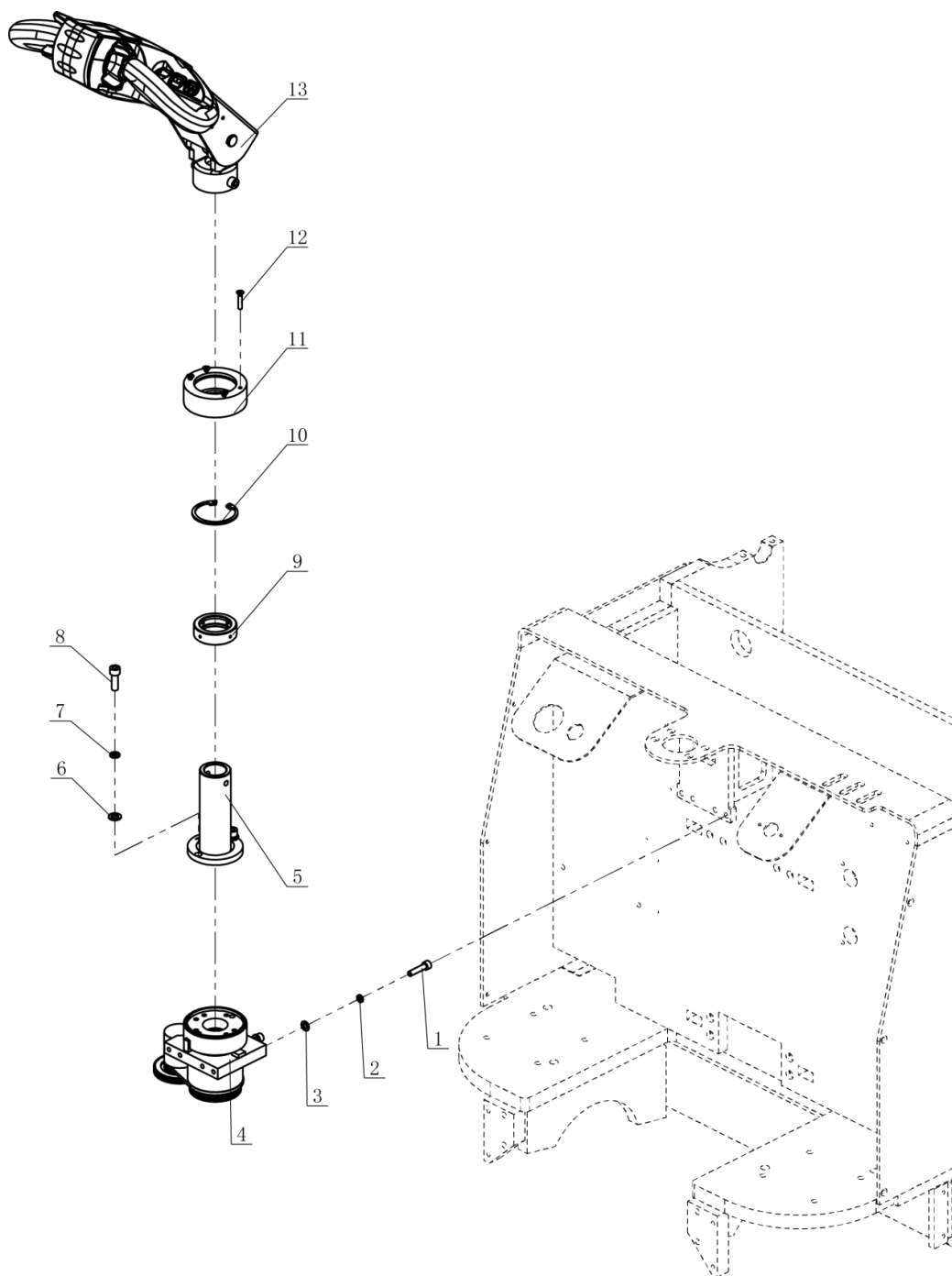


1.7Driving assembly

No.	Code	Description	Specification	QTY	
1	GB/T 70.1-2000	Hexagon socket head cap screws	M8×35	2	
2	SL20GA-01.6.1.8	Washer		4	
3	30×40×4/6	Iron shell dust ring	30×40×6	4	
4	SL20GA-01.6.1.5	Guide ring (1)		2	
5	SL20GA-01.6.1.2	Upper bracket		1	
6	SL20GA-01.6.1.9	Damping spring		2	
7	SL20GA-01.6.1.4	Slider bar		2	
8	GB 893.1-86	Circlip for hole	40	2	
9	DHS25×33×4.5/6	Rubber dust seal	25×33×4.5/6	4	
10	SL20GA-01.6.1.7	Axle Sleeve		2	
11	SL20GA-01.6.1.1B	Driving base (inclined)		1	
12	SL20GA-01.6.1.3B	Lower bracket		1	
13	SL20GA-01.6.1.6	Guide ring (2)		2	
14	GB/T 5781-2000	Hexagon Bolt	M8×25	2	
15	GB/T 6170-2000	Hexagon Nut	M16	6	
16	Q20GA-01.19	Floating frame adjustment screw		2	
17	GB/T 70.1-2000	Hexagon socket head cap screws	M6×150	4	
18	ER15L.02.DJ.00900	Electronic Driving AC motor	3KW	1	
19	ER15L.02.DJ.2102	Steering motor (200W)	200W	1	
20	GB/T 70.1-2000	Hexagon socket head cap screws	M8×25	8	
21	GB/T 93-1987	Spring Washer	φ8	28	
22	GB/T 70.1-2000	Hexagon socket head cap screws	M8×40	12	
23	SL20GA-01.6.6	Mounting sleeve		1	
24	PM12-04N	Proximity switch		1	
25	GB/T 70.1-2000	Hexagon socket head cap screws	M6×12	1	
26	SL20GA-01.6.4	Large slewing bearing		1	
27	ZD-ZV21-ZXCL-001	Steering gear box cover		1	
28	ZD-ZV21-500-001	Reduction Gearbox		1	

29	GB/T 70.1-2000	Hexagon socket head cap screws	M8×45	8	
30	ZD-ZV21-BJL-001	Driving wheel		1	
31	ER15-LM-001	Big wheel nut		5	
32	SL20GA-01.6.3	Electromagnetic brake sensor assembly		1	

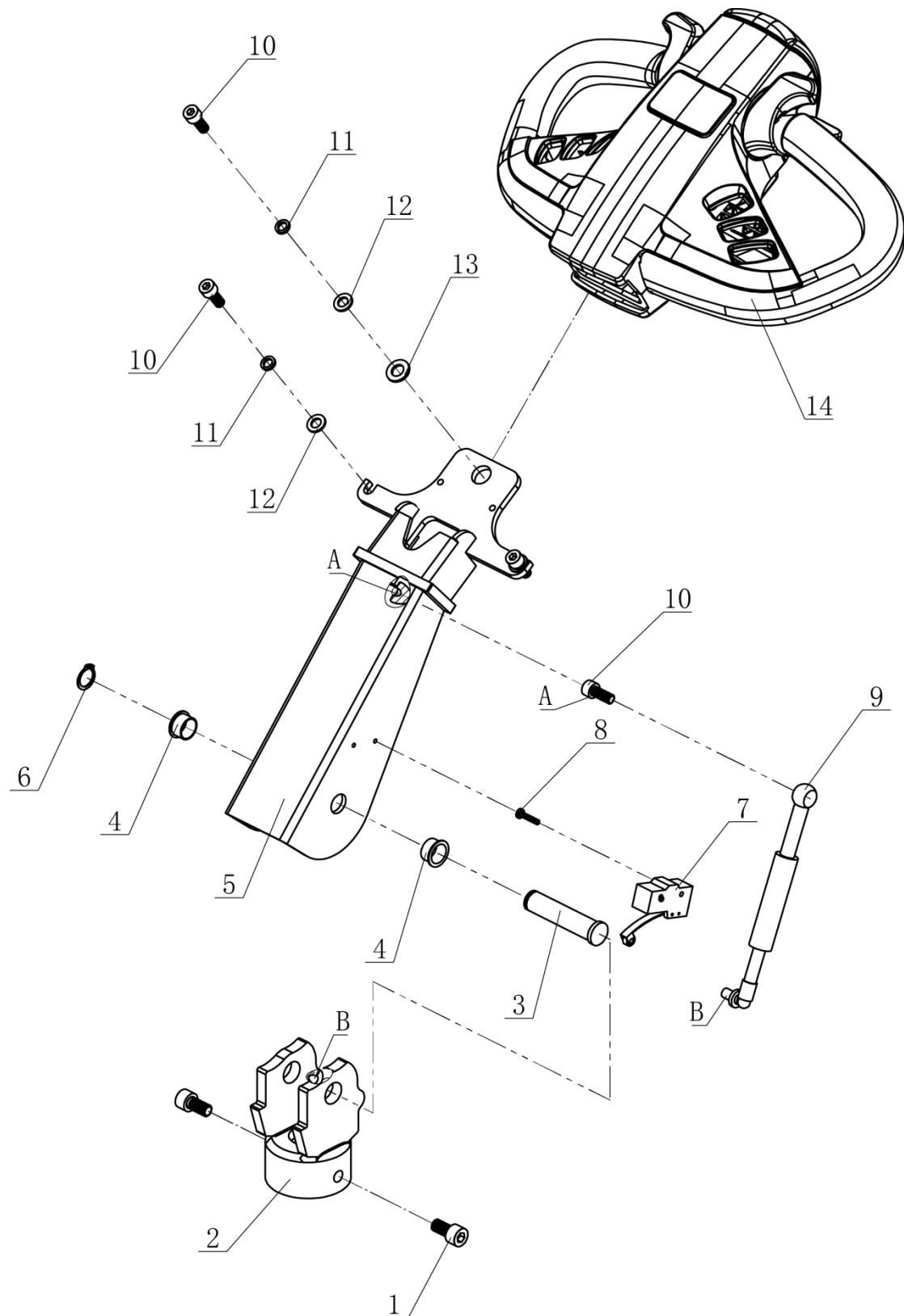
1.8 Handle operating system



1.8Handle operating system

No.	Code	Description	Specification	QTY	
1	GB/T 70.1-2000	Hexagon socket head cap screws	M8×35	4	
2	GB/T 93-1987	Spring Washer	φ8	4	
3	GB/T 95-2002	Flat Washer	φ8	4	
4	SL20GA-01.10.03	Handle operating system		1	
5	Q1545D.01.03	Steering shaft assembly		1	
6	GB/T 95-2002	Flat Washer	φ10	2	
7	GB/T 93-1987	Spring Washer	φ10	2	
8	GB/T 70.1-2000	Hexagon socket head cap screws	M10×30	2	
9	Q1545.01.17-2	Nylon sleeve		1	
10	GB 893.2-86	Circlip for hole	68	1	
11	Q1545.01.17-1	Fixed seat		1	
12	GB/T 819.1-2000	Cross recessed countersunk head screw	M6×30	4	
13	Q1545.07	Handlebar assembly		1	

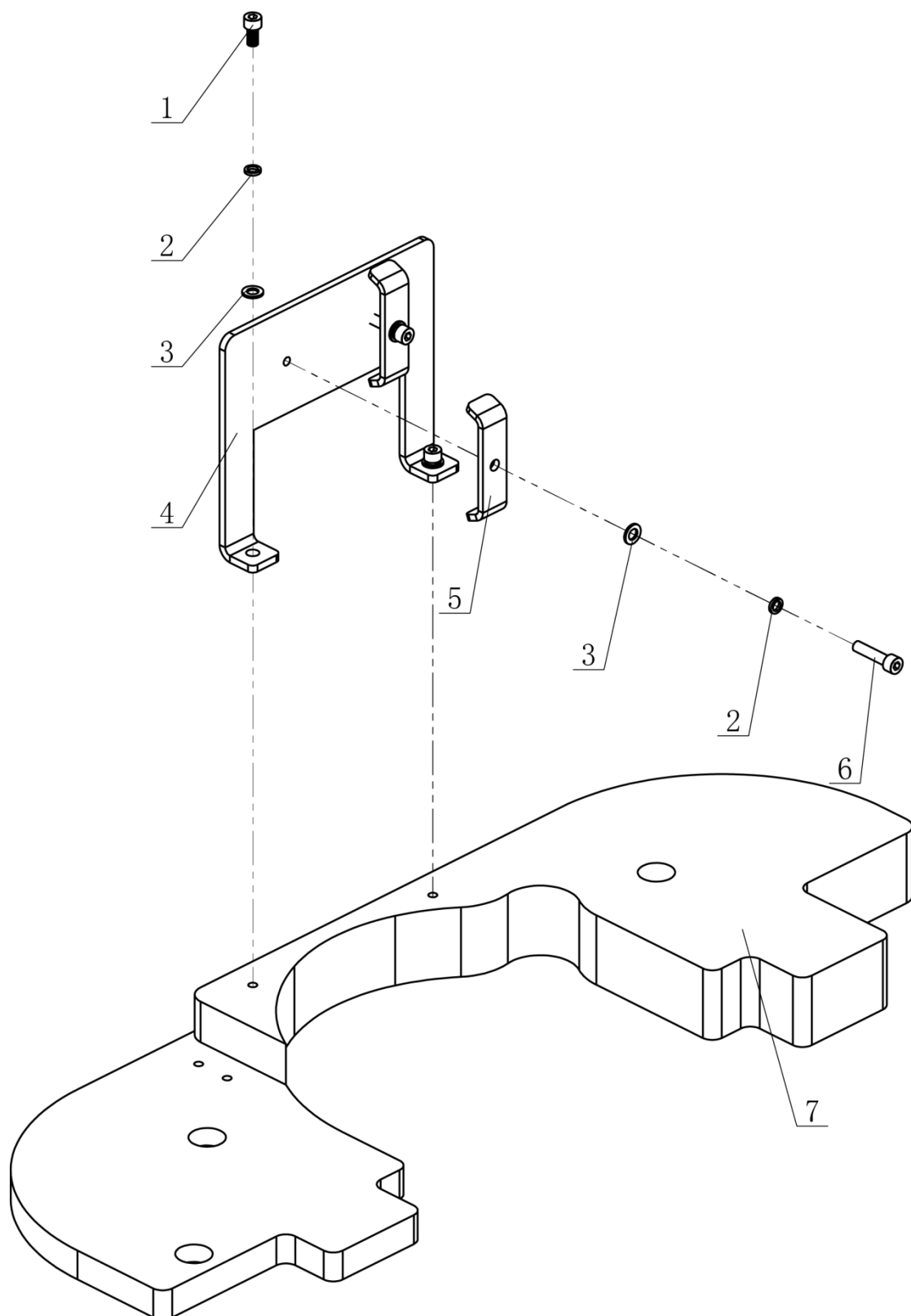
1.9 Big Handle assembly



1.9Big Handle assembly

No.	Code	Description	Specifcation	QTY	
1	GB/T 70.1-2000	Hexagon socket head cap screws	M10×20	2	
2	CL10.5-4/G	Handle connector		1	
3	CL10.5-3	Handle shaft		1	
4	CL10.5-1	Composite set with shoulder		2	
5	Q1545.07.01	Handle bar welding		1	
6	GB 894.1-86	Circlip for shaft	17	1	
7	RZ-15DW2-83	Micro switch(for handle)		1	
8	GB/T 818-2000	cross recessed pan head screw	M4×20	2	
9	CL10.5.2.2/E	CL Gas srping (For Handle)	400N	1	
10	GB/T 95-2002	Flat Washer	φ8	3	
11	GB/T 93-1987	Spring Washer	φ8	3	
12	GB/T 70.1-2000	Hexagon socket head cap screws	M8×20	4	
13	GB/T 95-2002	Flat Washer	φ10	1	
14	T600	DT Handle		1	

1.10 Fix mounting rack components

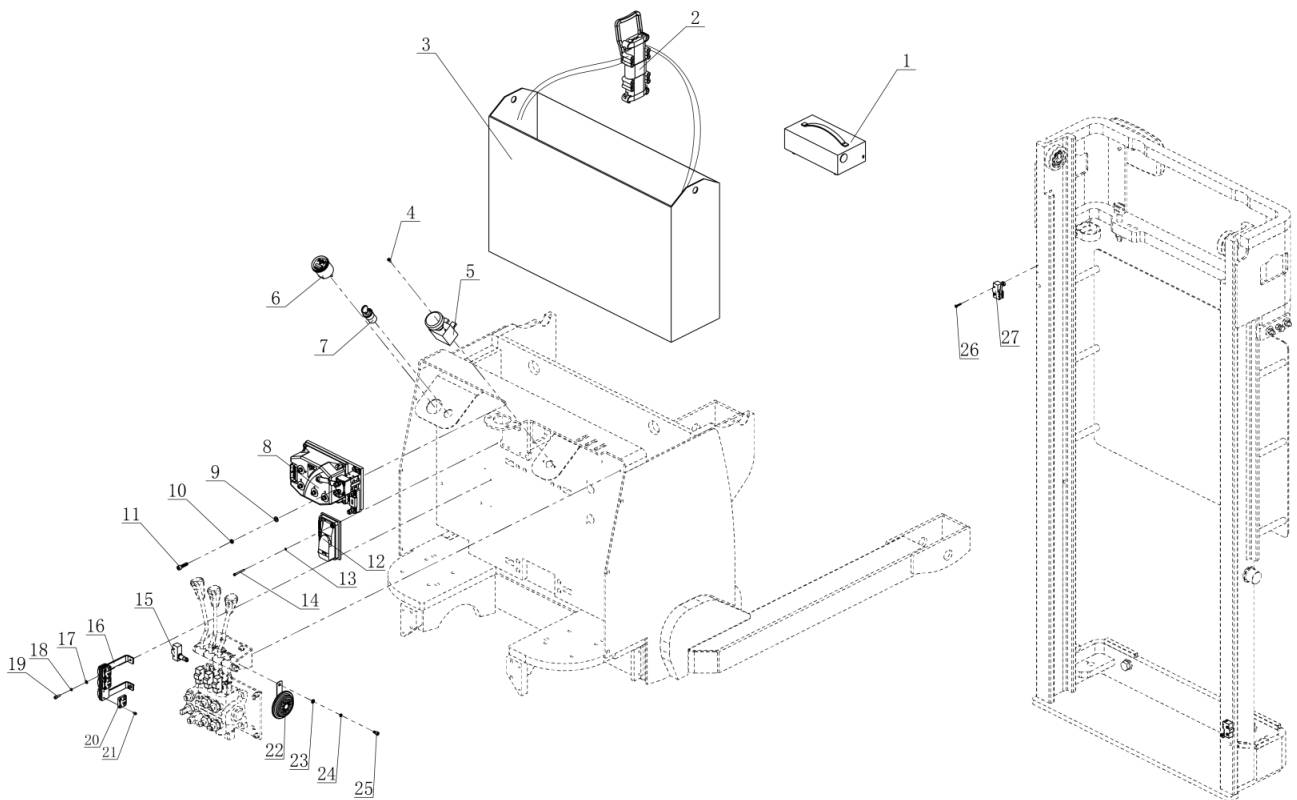


1.10 Fix mounting rack components

No.	Code	Description	Specification	QTY	
1	GB/T 70.1-2000	Hexagon socket head cap screws	M8×16	2	
2	GB/T 93-1987	Spring Washer	φ8	4	
3	GB/T 95-2002	Flat Washer	φ8	4	
4	ER15-01.4.1	Fixing Bracket		1	
5	ER15-01.4.2	Little clamp		2	
6	GB/T 70.1-2000	Hexagon socket head cap screws	M8×35	2	
7	ER15-01.6	Lower fixing plate		1	

2.Electrical system

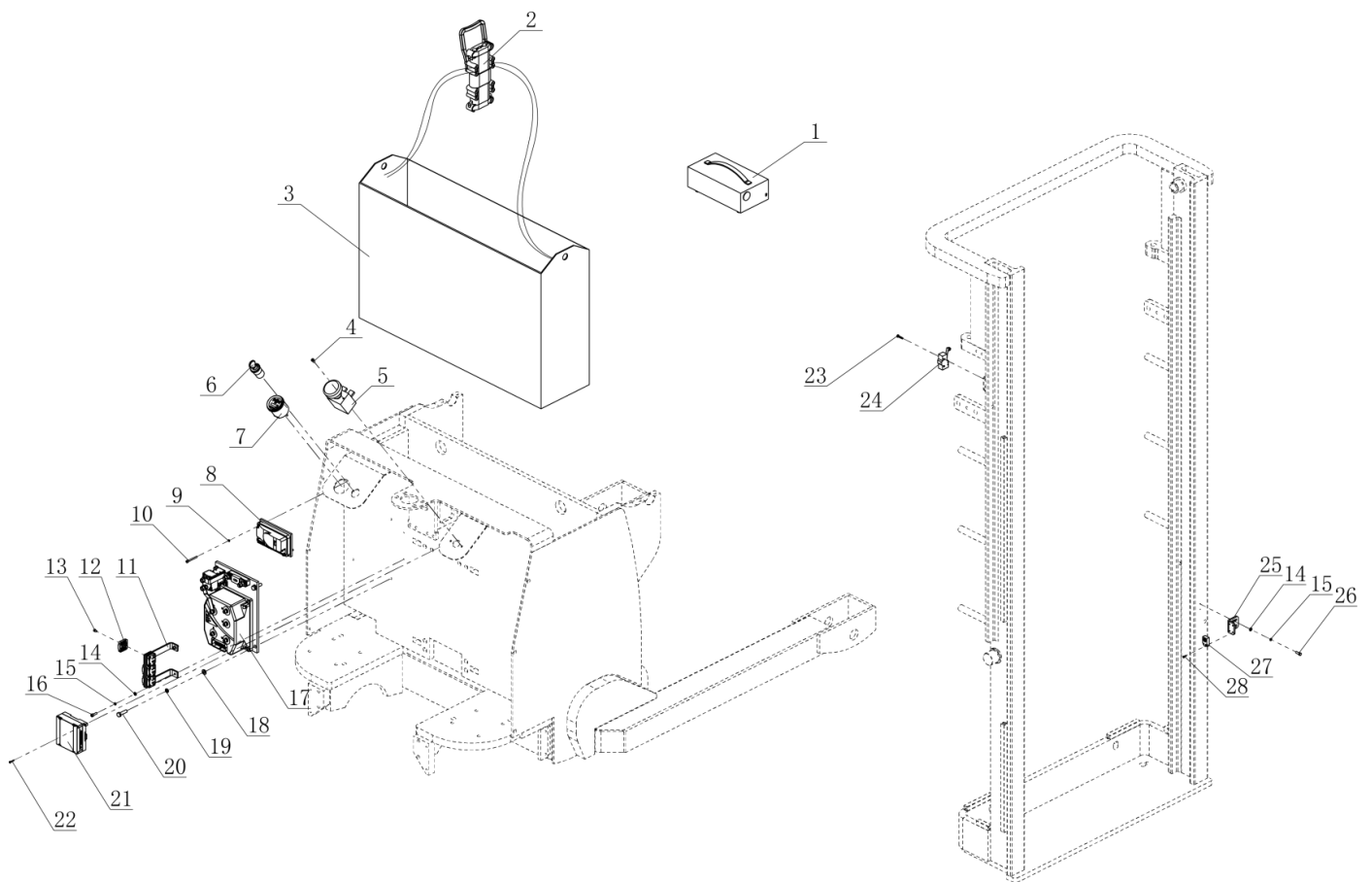
2.1 Electrical system((Multi-way valve control)



2.1Electrical system((Multi-way valve control)

No.	Code	Description	Specificati on	QTY	
1	ER15-02.CDQ.004810	Charger	24v/40A	1	
2	ER15.02.01.2189	Power connector	175A-600V	1	
3	CLL2032.01.03	Battery pack		1	
4	GB/T 818-2000	cross recessed pan head screw	M5×10	2	
5	ZDK31-250	ZDK31-250Emergency stop switch		1	
6	DC24V	Electricity meter		1	
7	XF125	Power locksXF125		1	
8	DK1232-03	AC power control (Q)		1	
9	GB/T 95-2002	Flat Washer	φ8	2	
10	GB/T 93-1987	Spring Washer	φ8	2	
11	GB/T 70.1-2000	Hexagon socket head cap screws	M8×30	2	
12	DK1220-01	Steering Power control		1	
13	GB/T 93-1987	Spring Washer	φ4	2	
14	GB/T 70.1-2000	Hexagon socket head cap screws	M4×40	2	
15	RZ-15GQ22-B3	Micro switch		4	
16	Q1545D.01.26	Wire connector		1	
17	GB/T 95-2002	Flat Washer	Φ5	2	
18	GB/T 93-1987	Spring Washer	Φ5	2	
19	GB/T 70.1-2000	Hexagon socket head cap screws	M5×16	2	
20	SL30GB-01.4.7	Wire bale		6	
21	GB/T 70.1-2000	Hexagon socket head cap screws	M4×6	12	
22	DC24/Φ125	Horn		1	
23	GB/T 95-2002	Flat Washer	φ6	1	
24	GB/T 93-1987	Spring Washer	φ6	1	
25	GB/T 70.1-2000	Hexagon socket head cap screws	M6×12	1	
26	GB/T 818-2000	cross recessed pan head screw	M4×20	4	
27	TY-01.35	RZ-15GW2S-B3Micro switch(long)		2	

2.2 Electrical system((Solenoid valve control)

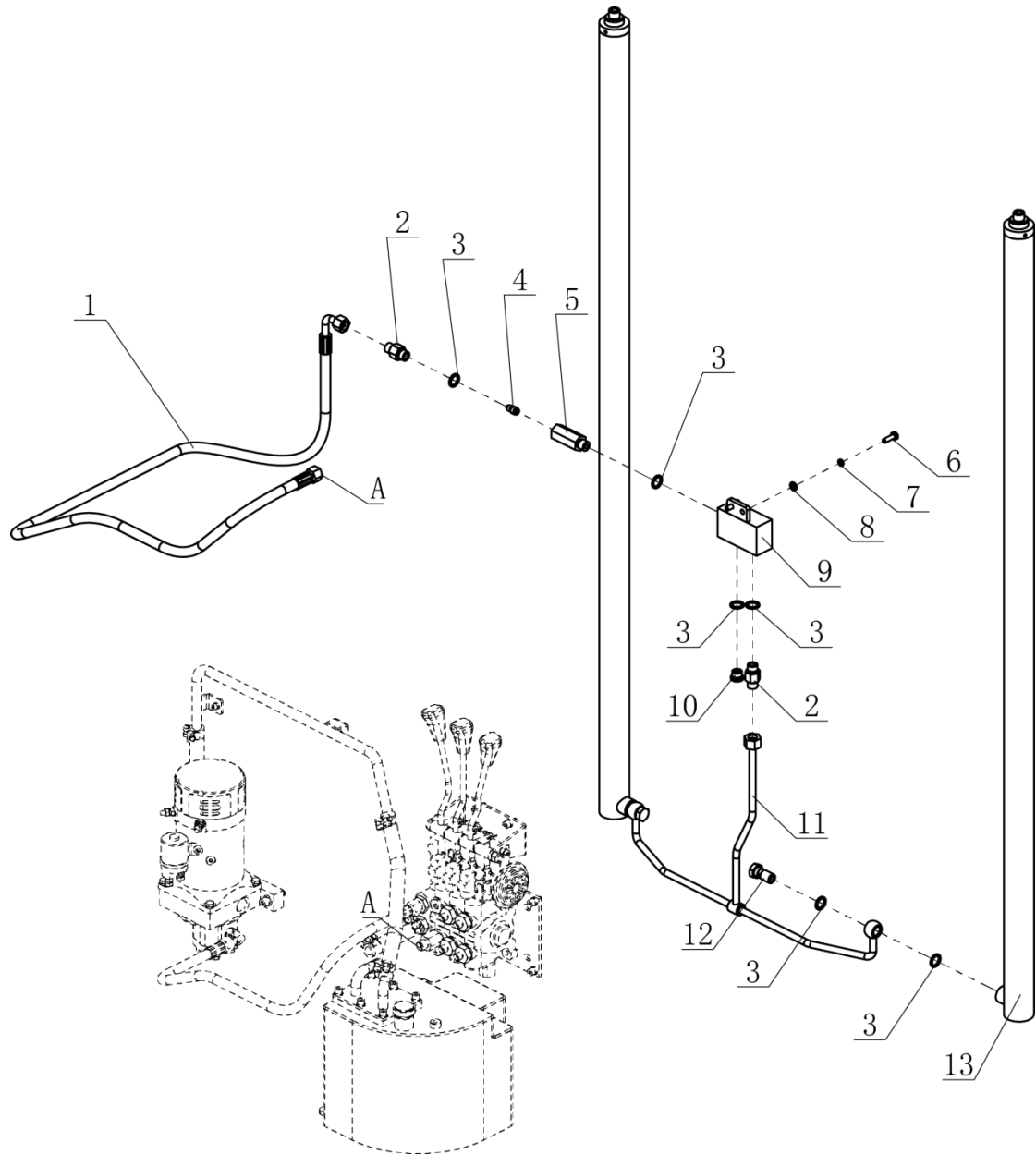


2.2 Electrical system((Solenoid valve control))

No.	Code	Description	Specification	QTY	
1	ER15-02.CDQ.004810	Charger	24v/40A	1	
2	ER15.02.01.2189	Power connector	175A-600V	1	
3	CLL2032.01.03	Battery pack		1	
4	GB/T 818-2000	cross recessed pan head screw	M5×10	2	
5	ZDK31-250	ZDK31-250Emergency stop switch		1	
6	XF125	Power locksXF125		1	
7	DC24V	Electricity meter		1	
8	1220	Steering controller		1	
9	GB/T 93-1987	Spring Washer	φ4	2	
10	GB/T 70.1-2000	Hexagon socket head cap screws	M4×40	2	
11	Q1545D.01.26	Wire connector		1	
12	SL30GB-01.4.7	Wire bale		6	
13	GB/T 70.1-2000	Hexagon socket head cap screws	M4×6	12	
14	GB/T 95-2002	Flat Washer	Φ5	4	
15	GB/T 93-1987	Spring Washer	Φ5	4	
16	GB/T 70.1-2000	Hexagon socket head cap screws	M5×16	2	
17	DK1232-01	AC power control Component		1	
18	GB/T 95-2002	Flat Washer	φ8	4	
19	GB/T 93-1987	Spring Washer	φ8	4	
20	GB/T 5783-2000	Hexagon Bolt full thread	M8×30	4	
21	ER15-PLC-001	PLC Circuit board	HZ2n-14MR	1	
22	GB/T 818-2000	cross recessed pan head screw	M3×16	2	
23	GB/T 818-2000	cross recessed pan head screw	M4×20	2	
24	TY-01.35	RZ-15GW2S-B3Micro switch(long)		1	
25	CL1026C.03.01-3	Switch mounting bracket		1	
26	GB/T 5783-2000	Hexagon Bolt full thread	M5×16	2	
27	CLJF10-05NA	Proximity switch	CLJF10-05NA	1	
28	GB/T 818-2000	cross recessed pan head screw	M3×10	2	

3.Mast Hydraulic system

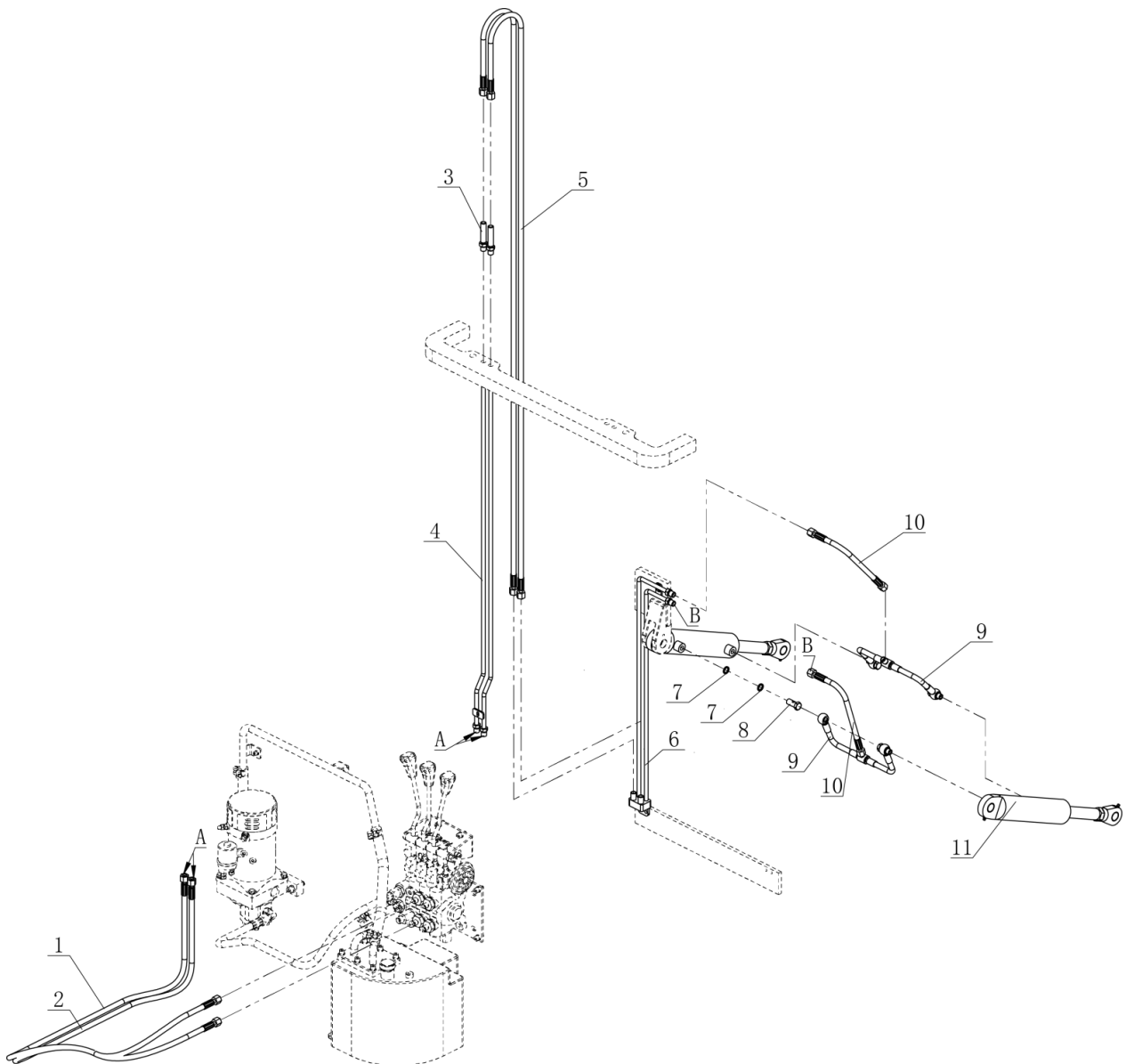
3.1 Lifting system assembly(Multi-way valve control)



3.1 Lifting system assembly(Multi-way valve control)

No.	Code	Description	Specification	QTY	
1	ER15-01.2.23	Lifting hose		1	
2	Q15GB-02.5.14	Straight joint		2	
3	GB982-77	Φ18Combination seal		8	
4	ER15-HJF-001	Descending valve spool		1	
5	ER15-02.5.10	Descending valve housing		1	
6	GB/T 5783-2000	Hexagon Bolt full thread	M8×25	2	
7	GB/T 93-1987	Spring Washer	φ8	2	
8	GB/T 95-2002	Flat Washer	φ8	2	
9	ER15-02.5.13	Tubing seat		1	
10	JBZQ4444-1997	Hexagon socket plug	M18×1.5×16	1	
11	ER15-02.5.14	Steel Pipe(6)		1	
12	ER15-02.5.12	Hollow bolt		2	
13	Q20GA-02.4B	Lift cylinder assembly		2	

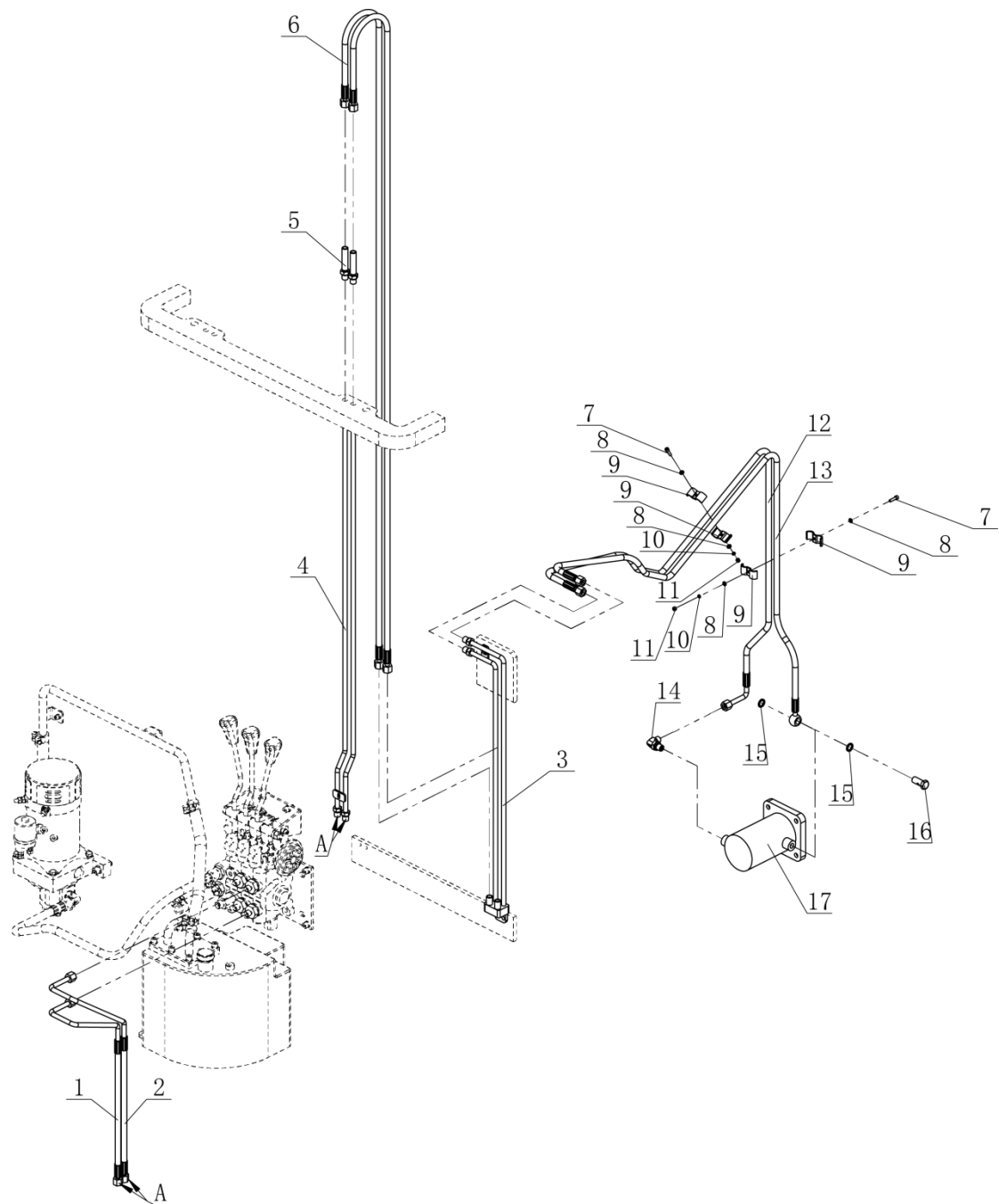
3.2 Reach system (Multi-way valve control)



3.2 Reach system (Multi-way valve control)

No.	Code	Description	Specification	QTY	
1	Q15GB-04.7.7	Rubber hose (1)		1	
2	Q15GB-04.7.7	Rubber hose (1)		1	
3	Q15GB-02.5.7	Connector		2	
4	ER15-02.5.1	Steel Pipe (1) Welding		1	
5	ER15-02.5.7	Rubber hose (3)		2	
6	ER15-02.5.2	Steel Pipe (2) Welding		1	
7	GB892-77	Φ14Combination seal		8	
8	Q1545.08-5	Hollow bolt		4	
9	ER15-02.5.9	Reach Rubber hose		2	
10	ER15-02.5.8	Rubber hose (4)		2	
11	ER15-02.3.7	Reach cylinder assembly		2	

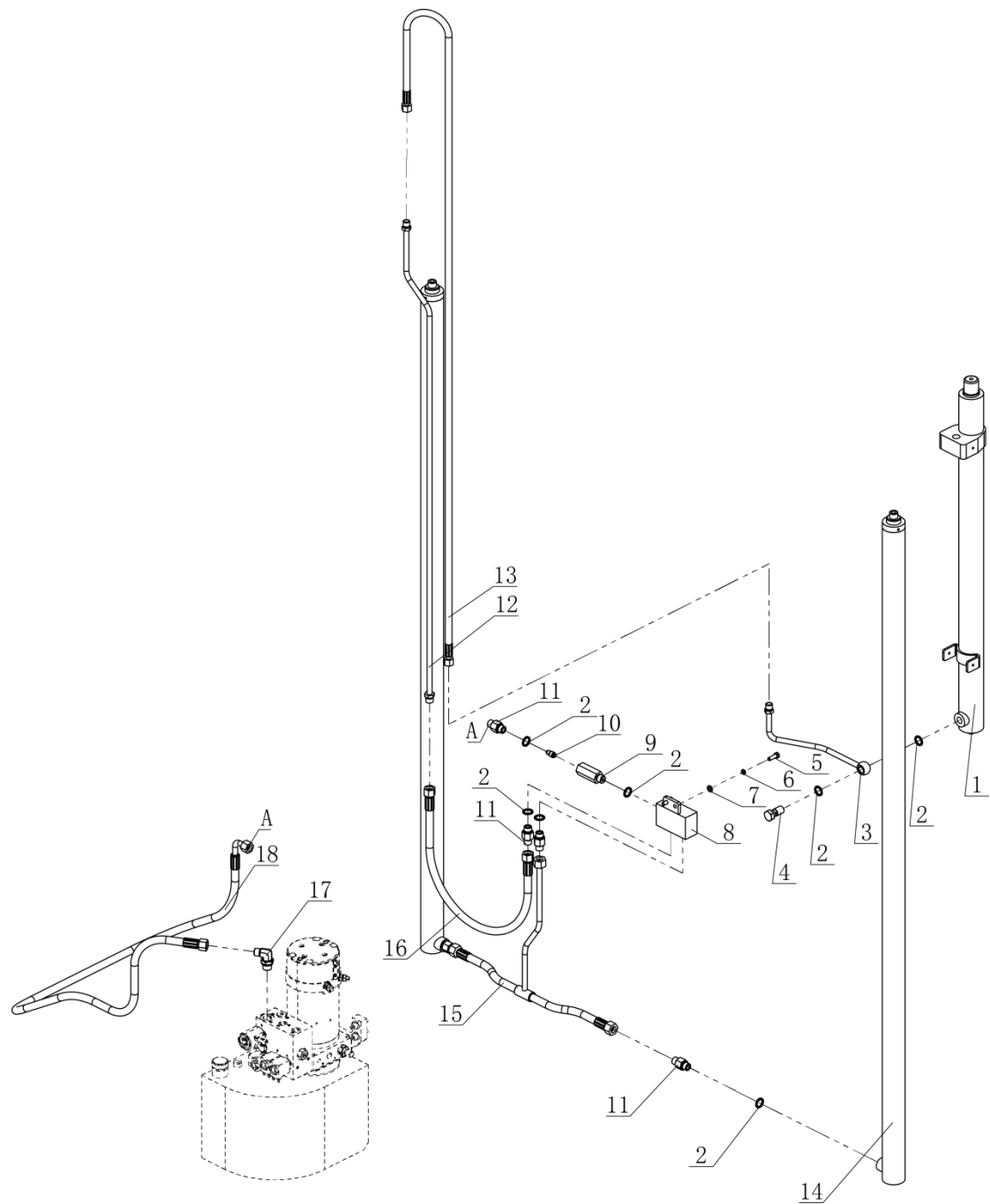
3.3 Tilting system(Multi-way valve control)



3.3 Tilting system (Multi-way valve control)

No.	Code	Description	Specification	QTY	
1	ER15-01.2.8	Tilt Steel Pipe (1)		1	
2	ER15-01.2.9	Tilt Steel Pipe (2)		1	
3	ER15-02.5.3	Steel Pipe (3) Welding		1	
4	ER15-02.5.1	Steel Pipe (1) Welding		1	
5	Q15GB-02.5.7	Connector		2	
6	ER15-02.5.7	Rubber hose (3)		2	
7	GB/T 70.1-2000	Hexagon socket head cap screws	M5×20	2	
8	GB/T 95-2002	Flat Washer	Φ5	4	
9	ER15-02.3.3.3	Pipe clamp		4	
10	GB/T 93-1987	Spring Washer	Φ5	2	
11	GB/T 6170-2000	Hexagon Nut	M5	2	
12	ER15-02.5.6	Rubber hose (2)		1	
13	ER15-02.5.5	Rubber hose (1)		1	
14	Q15GB-01.15.8	Right angle adjustable joint		1	
15	GB892-77	Φ14 Combination seal		2	
16	Q1545.08-5	Hollow bolt		1	
17	ER15-02.3.1.2B	Tilt cylinder assembly		1	

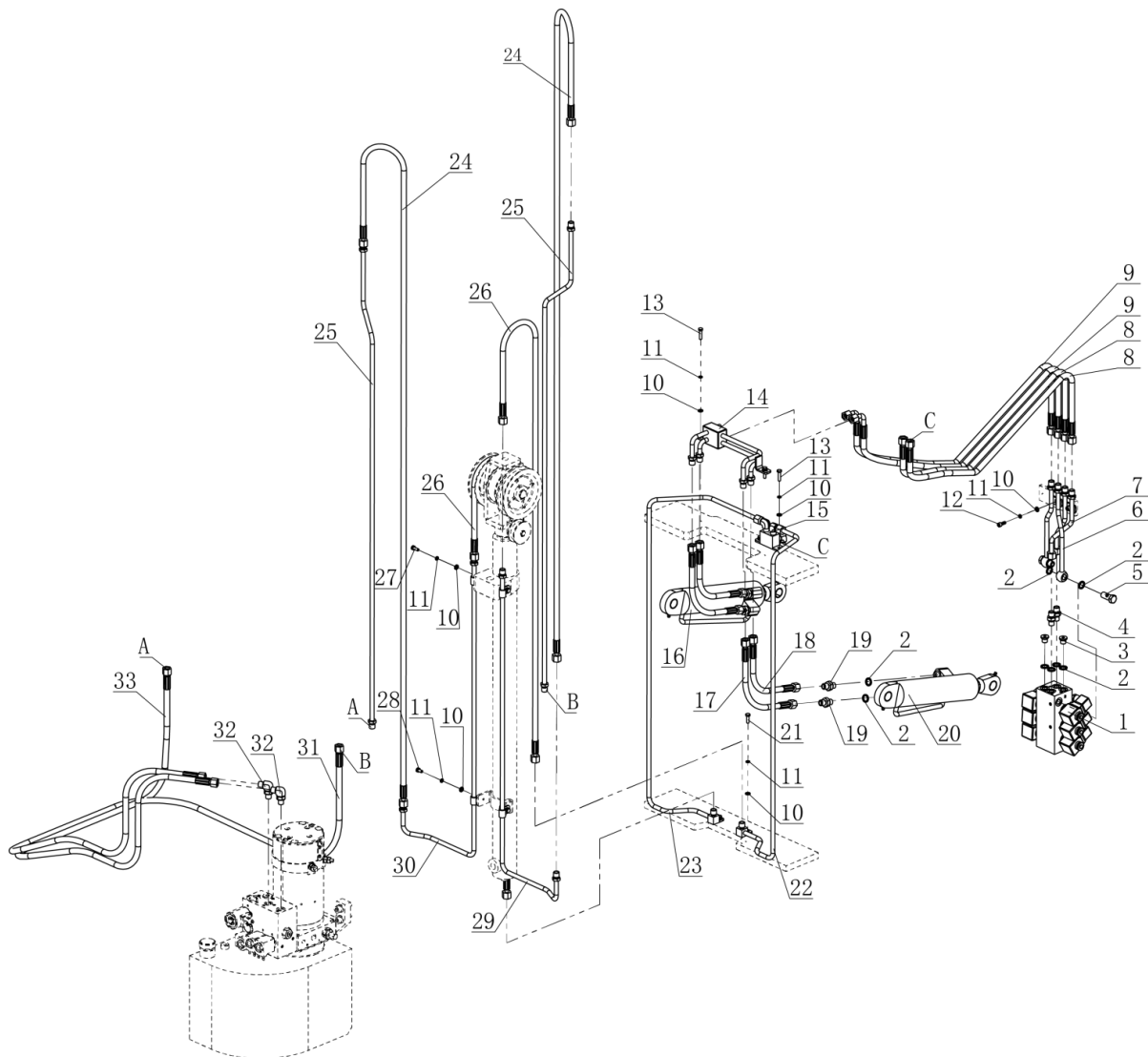
3.4 Lifting system assembly(Solenoid valve control)



3.4 Lifting system assembly (Solenoid valve control)

No.	Code	Description	Specification	QTY	
1	ER15-05.7	Inner lifting cylinder (4.5M)		1	
2	GB982-77	Φ18Combination seal		8	
3	ER15-05.5.9	Steel Pipe Welding(9)		1	
4	ER15-02.5.12	Hollow bolt		1	
5	GB/T 5783-2000	Hexagon Bolt full thread	M8×25	2	
6	GB/T 93-1987	Spring Washer	φ8	2	
7	GB/T 95-2002	Flat Washer	φ8	2	
8	ER15-02.5.13	Tubing seat		1	
9	ER15-02.5.10	Descending valve housing		1	
10	ER15-HJF-001	Descending valve spool		1	
11	Q15GB-02.5.14	Straight joint		5	
12	ER15-05.5.14	Steel Pipe		1	
13	ER15-05.5.18	Rubber hose(4)		1	
14	Q2045GA-07.7B	Outer Lifting cylinder assembly (4.5M)		2	
15	ER15-05.5.11	Tubing group		1	
16	ER15-05.5.19	Rubber hose(5)		1	
17	ER15-06.2.2	Right angle adjustable joint		1	
18	ER15-01.2.23	Lifting hose		1	

3.5 Reach system assembly(Solenoid valve control)

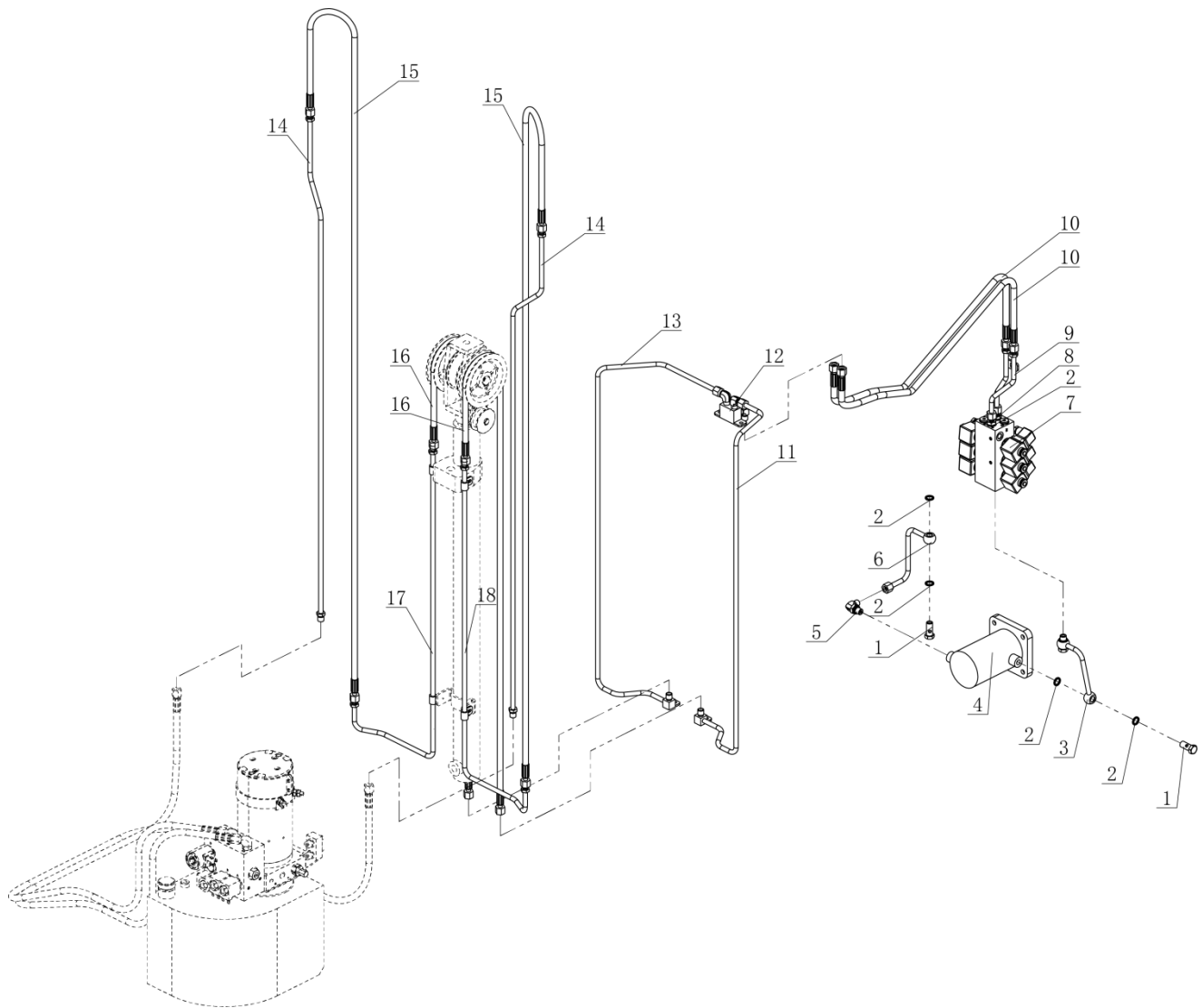


3.5 Reach system assembly(Solenoid valve control)

No.	Code	Description	Specifcation	QTY	
1	800601608	Valve block		1	
2	GB892-77	Φ14Combination seal		12	
3	JBZQ4444-1997	Hexagon socket plug	G1 / 4×15	2	
4	ER15-05.5.12	Straight joint		2	
5	Q1545.08-5	Hollow bolt		2	
6	ER15-05.5.3	Steel Pipe Welding(3)		1	
7	ER15-05.5.2	Steel Pipe Welding(2)		1	
8	ER15-05.5.15	Rubber hose(1)		2	
9	ER15-05.5.16	Rubber hose(2)		2	
10	GB/T 95-2002	Flat Washer	φ6	12	
11	GB/T 93-1987	Spring Washer	φ6	12	
12	GB/T 70.1-2000	Hexagon socket head cap screws	M6×16	2	
13	GB/T 5783-2000	Hexagon Bolt full thread	M6×25	4	
14	ER15-05.5.1	Steel Pipe Welding(1)		1	
15	ER15-05.5.22	Tubing seat		1	
16	ER15-05.4.5	Reach cylinder left		1	
17	ER15-05.5.23	Reach Rubber hose		2	
18	ER15-05.5.21	Reach Rubber hose		2	
19	Q15GB-02.5.2	Straight joint		4	
20	ER15-05.4.5	Reach cylinder right		1	
21	GB/T 5783-2000	Hexagon Bolt full thread	M6×20	2	
22	ER15-05.5.5	Steel Pipe Welding(5)		1	
23	ER15-05.5.4	Steel Pipe Welding(4)		1	
24	Q2045GA-07.5.13	Rubber hose (1)		2	
25	ER15-05.5.13	Steel Pipe		2	
26	ER15-05.5.17	Rubber hose (3)		2	
27	GB/T 5783-2000	Hexagon Bolt full thread	M6×16	2	
28	GB/T 5783-2000	Hexagon Bolt full thread	M6×12	2	
29	ER15-05.5.10	Steel Pipe Welding(10)		1	
30	ER15-05.5.8	Steel Pipe Welding(8)		1	
31	Q2045GA-07.5.13	Rubber hose (1)		1	
32	SL15GD-01.2.4	Right angle Connector		2	

33	Q15GB-04.7.7	Rubber hose (1)		1	
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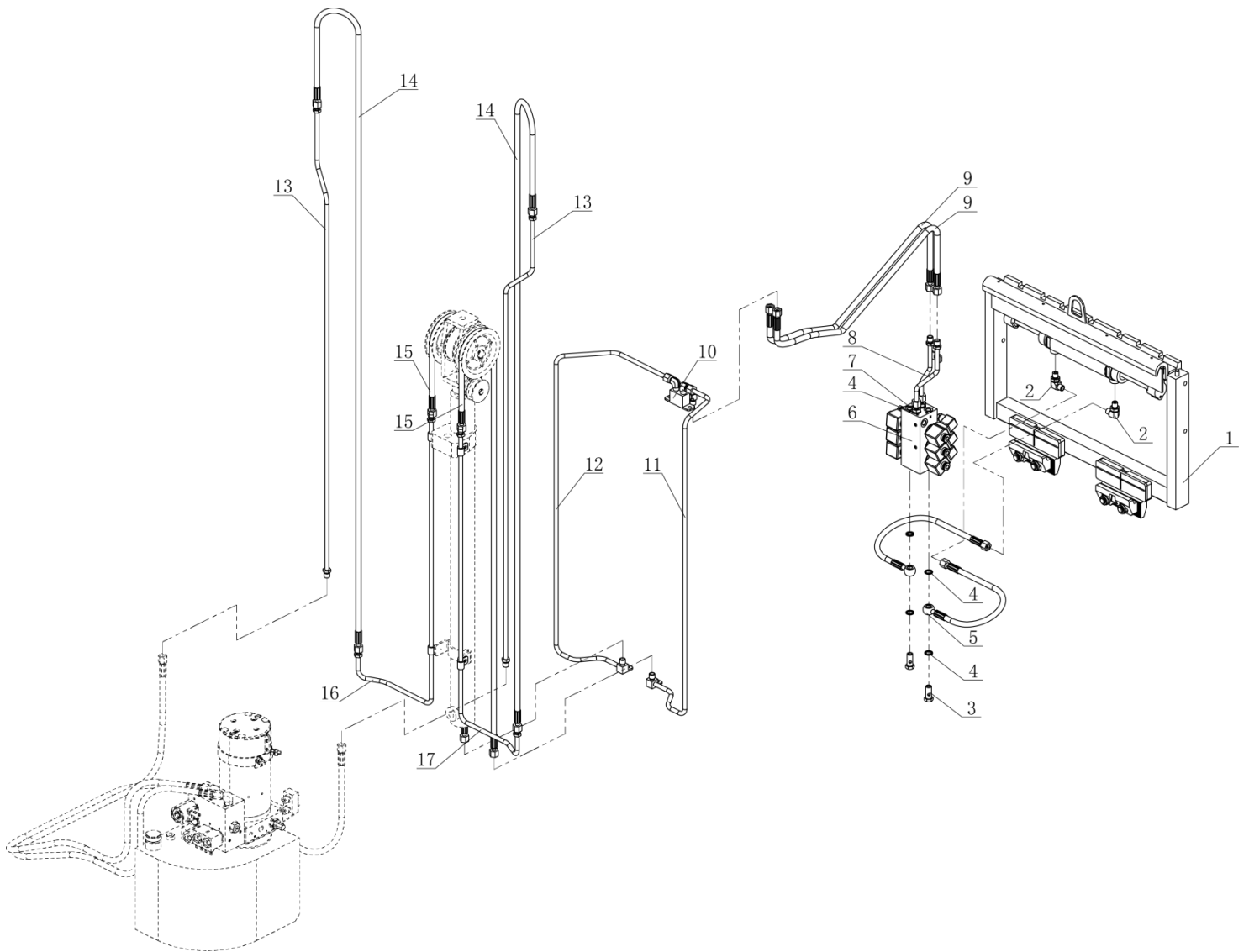
3.6 Tilt system assembly(Solenoid valve control)



3.6 Tilt system assembly(Solenoid valve control)

No.	Code	Description	Specification	QTY	
1	Q1545.08-5	Hollow bolt		3	
2	GB892-77	Φ14Combination seal		8	
3	ER15-05.5.6	Steel Pipe Welding(6)		1	
4	ER15-02.3.1.2B	Tilt cylinder assembly		1	
5	Q15GB-01.15.8	Right angle adjustable joint		1	
6	ER15-05.5.7	Steel Pipe Welding(7)		1	
7	800601608	Valve block		1	
8	ER15-05.5.12	Straight joint		2	
9	ER15-05.5.2	Steel Pipe Welding(2)		1	
10	ER15-05.5.15	Rubber hose(1)		2	
11	ER15-05.5.5	Steel Pipe Welding(5)		1	
12	ER15-05.5.22	Tubing seat		1	
13	ER15-05.5.4	Steel Pipe Welding(4)		1	
14	ER15-05.5.13	Steel Pipe		2	
15	Q2045GA-07.5.13	Rubber hose (1)		2	
16	ER15-05.5.17	Rubber hose (3)		2	
17	ER15-05.5.8	Steel Pipe Welding(8)		1	
18	ER15-05.5.10	Steel Pipe Welding(10)		1	

3.7 Side shift system assembly(Solenoid valve control)

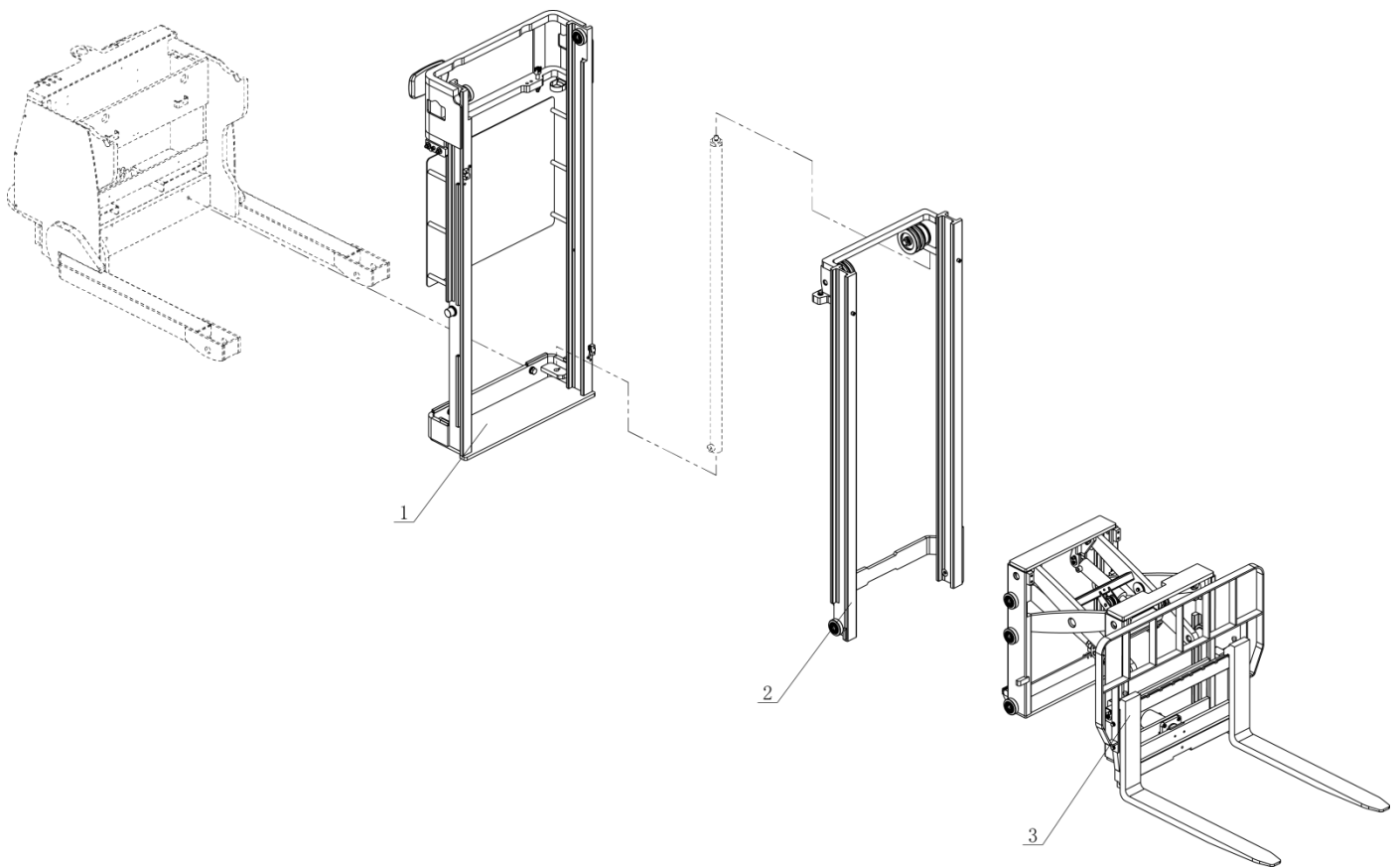


3.7 Side shift system assembly (Solenoid valve control)

No.	Code	Description	Specification	QTY	
1	GC20NL	Side shifter	GC20NL	1	
2	SL15GD-01.2.4	Right angle Connector		2	
3	Q1545.08-5	Hollow bolt		2	
4	GB892-77	Φ14 Combination seal	Φ14	6	
5	ER15-05.5.20	Side shift Rubber hose		2	
6	800601608	Valve block		1	
7	ER15-05.5.12	Straight joint		2	
8	ER15-05.5.2	Steel Pipe Welding(2)		1	
9	ER15-05.5.15	Rubber hose(1)		2	
10	ER15-05.5.22	Tubing seat		1	
11	ER15-05.5.5	Steel Pipe Welding(5)		1	
12	ER15-05.5.4	Steel Pipe Welding(4)		1	
13	ER15-05.5.13	Steel Pipe		2	
14	Q2045GA-07.5.13	Rubber hose (1)		2	
15	ER15-05.5.17	Rubber hose (3)		2	
16	ER15-05.5.8	Steel Pipe Welding(8)		1	
17	ER15-05.5.10	Steel Pipe Welding(10)		1	

4.Mast lifting assembly

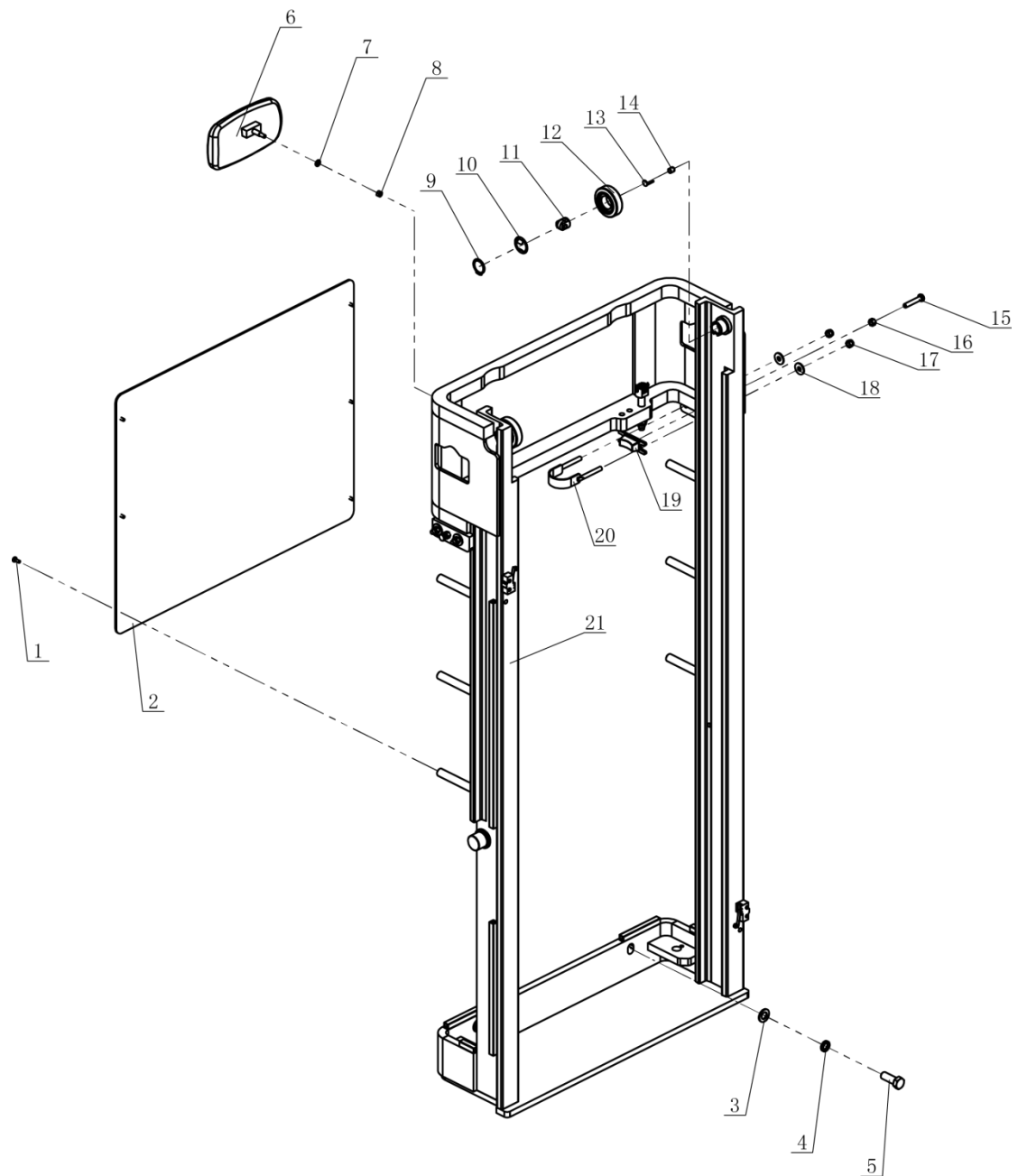
4.1Frame assembly(double mast)



4.1Frame assembly(double mast)

No.	Code	Description	Specificati on	QTY	
1	ER15-02.1	Outer mast assembly		1	
2	ER15-02.2	Inner mast assembly		1	
3	ER15-02.3	Carriage components		1	

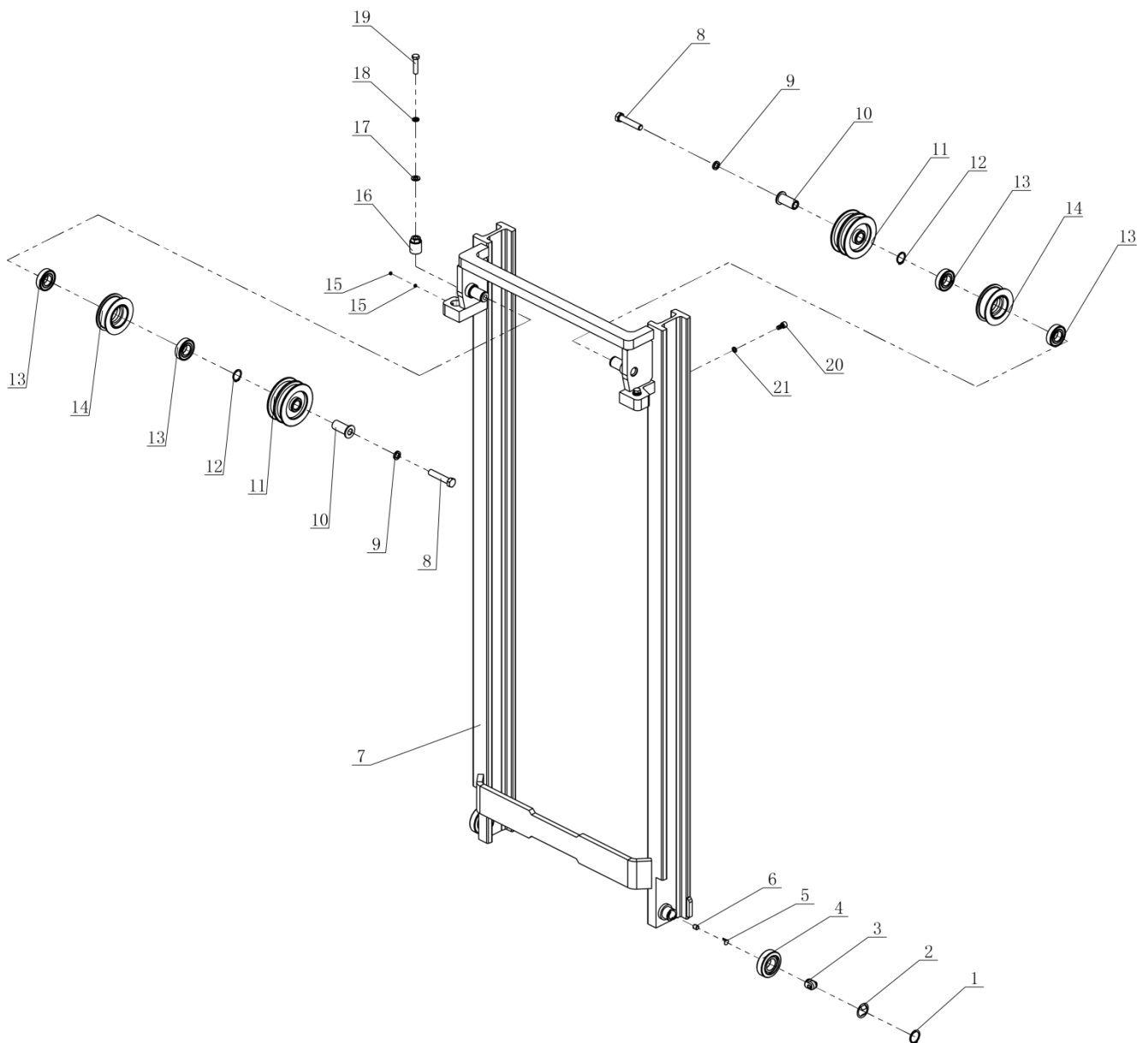
4.1.1 Outer mast assembly(double mast)



4.1.1 Outer mast assembly(double mast)

No.	Code	Description	Specification	QTY	
1	GB/T 818-2000	cross recessed pan head screw	M6×16	6	
2	ER15-02.1.2	Shield panel (3M)	840*690	1	
3	GB/T 97.1-2002	Flat Washer	φ18	2	
4	GB/T 93-1987	Spring Washer	φ18	2	
5	GB/T 5783-2000	Hexagon Bolt full thread	(M18)×50	2	
6	TY-02.19	rearview mirro	HS200×110	1	
7	GB/T 95-2002	Flat Washer	φ8	1	
8	GB/T 6170-2000	Hexagon Nut	M8	1	
9	GB 894.1-86	Circlip for shaft	35	2	
10	CRA78.3	Dust proof sheet		2	
11	CRA78.3	Small roller bracket		2	
12	CRA78.3	Roller		2	
13	CRA70.4-7S	Anti-loose piece		2	
14	CRA78.3	Adjustment screw		2	
15	GB/T 5781-2000	Hexagon head bolt full thread	M10×55	2	
16	GB/T 41-2000	Hexagon Nut	M10	2	
17	GB/T 889.1-2000	Hexagon lock nut	M10	4	
18	GB/T 96.2-2002	Big Washer	Φ10	4	
19	ER15-YGZCK-001	Cylinder support block (70-78)	70-78	2	
20	ER15-ULS-001	U-Bolt (JAC2.5T)		2	
21	ER15-02.1.1	Outer mast Welding (3m)		1	

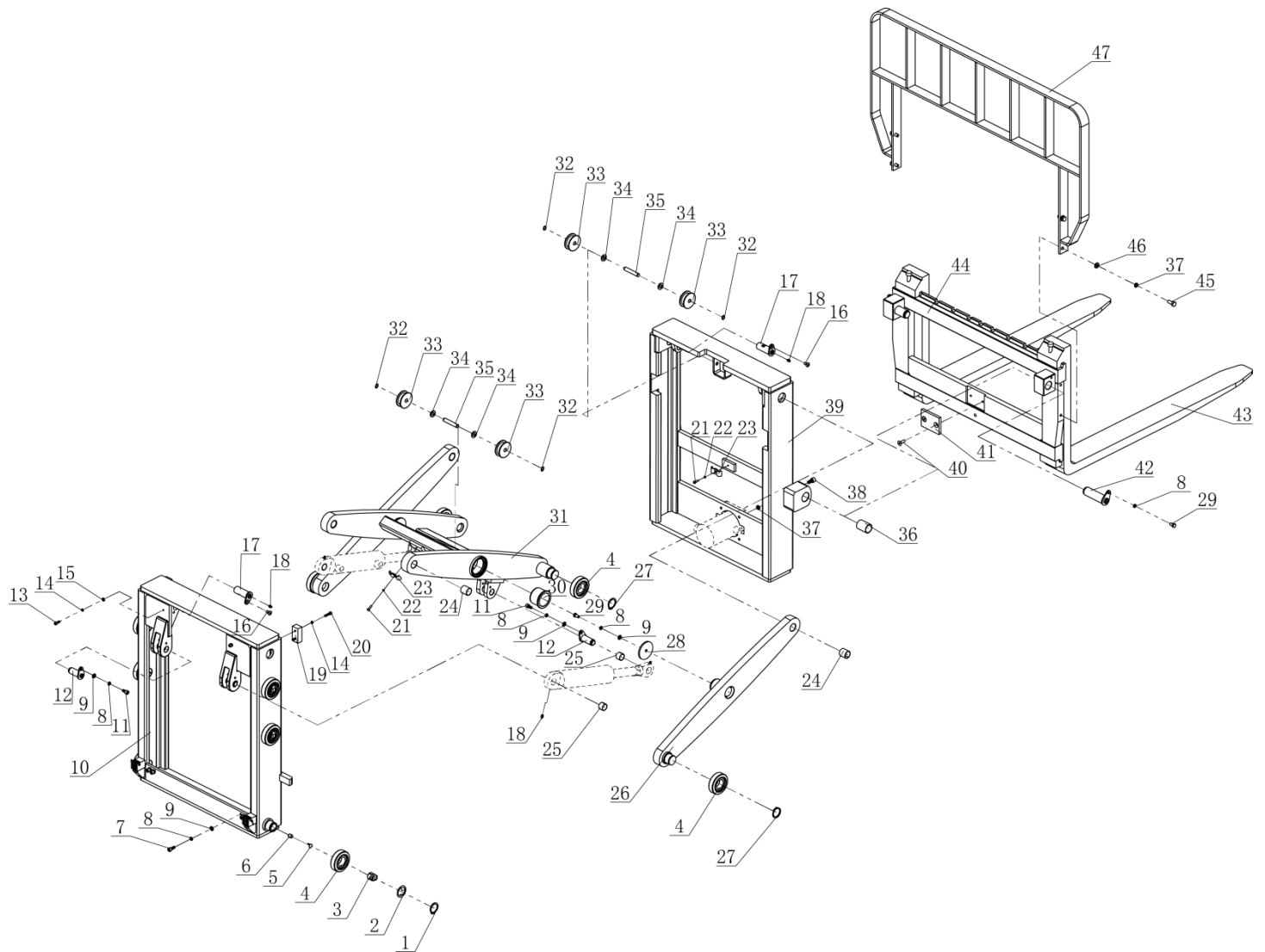
4.1.2 Inner mast assembly(double mast)



4.1.2 Inner mast assembly(double mast)

No.	Code	Description	Specification	QTY	
1	GB 894.1-86	Circlip for shaft	φ35	2	
2	CRA78.3	Dust proof sheet		2	
3	CRA78.3	Small roller bracket		2	
4	CRA78.3	Roller		2	
5	CRA70.4-7	CRA70.4-7SAnti-loose piece		2	
6	CRA78.3	Adjustment screw		2	
7	ER15-02.2.1	Inner mast Welding		1	
8	GB/T 5780-2000	Hexagon Bolt	M16×80	2	
9	GB/T 93-1987	Spring Washer	φ16	2	
10	Q15GB-02.2.3	Axle Sleeve		2	
11	Q15GB-02.2.2	Tubing sprocket		2	
12	GB 894.1-86	Circlip for shaft	φ30	2	
13	GB/T 276-94	Deep groove ball bearing	6206-2Z	4	
14	CG1646.03.3-5	Sprocket A		2	
15	GB/T 77-2000	Hexagon socket set screw with flat end	M8×5	2	
16	ER15-02.2.2	Cylinder adjustment bolt		1	
17	GB/T 95-2002	Flat Washer	φ12	2	
18	GB/T 93-1987	Spring Washer	φ12	2	
19	GB/T 5781-2000	Hexagon Bolt	M12×50	2	
20	GB/T 70.1-2000	Hexagon socket head cap screws	M10×20	2	
21	GB/T 93-1987	Spring Washer	φ10	2	

4.1.3 Carriage components(double mast)

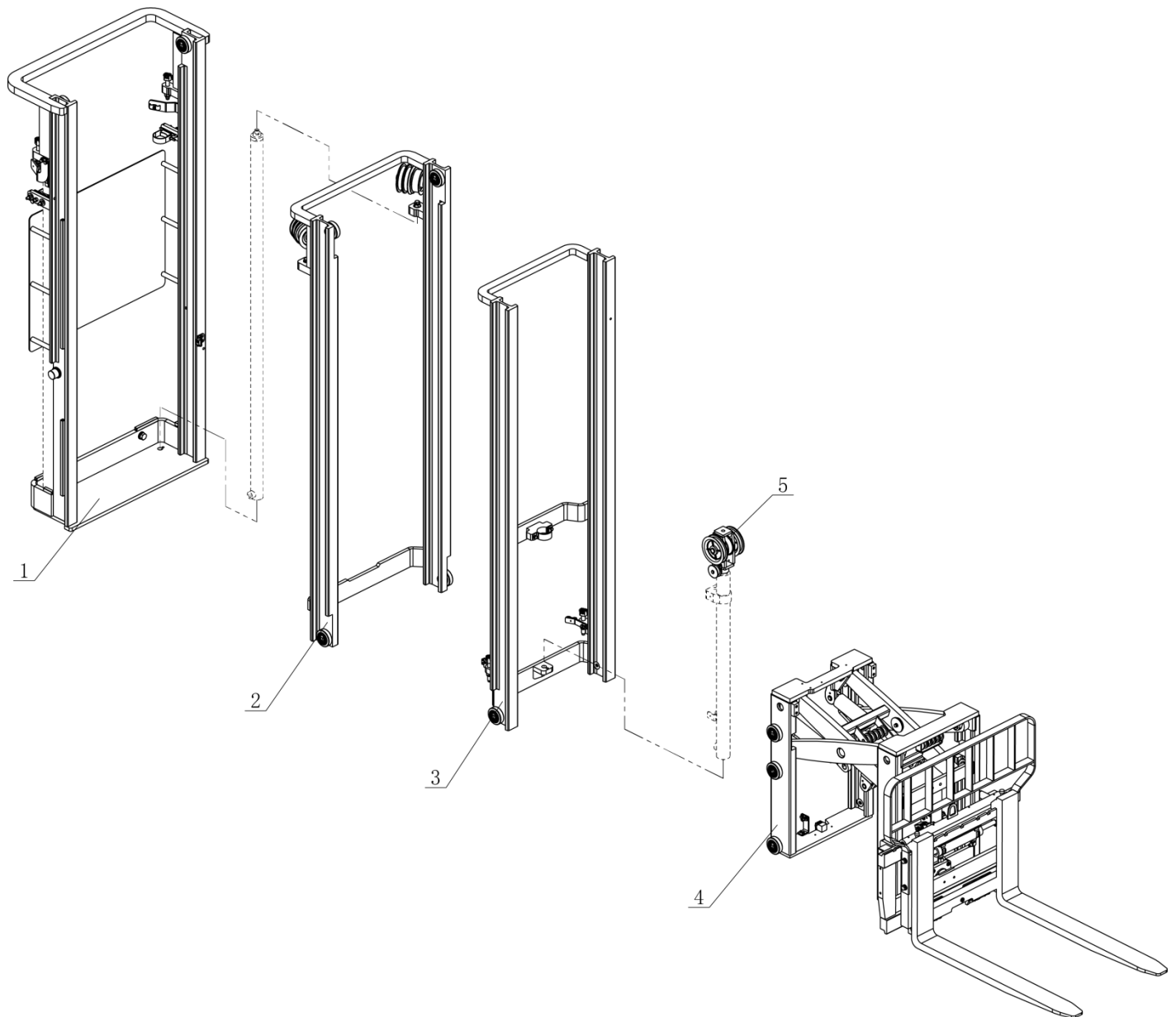


4.1.3 Carriage components(double mast)

No.	Code	Description	Specification	QTY	
1	GB 894.1-86	Circlip for shaft	φ35	6	
2	CRA78.3	Dust proof sheet		6	
3	CRA78.3	Small roller bracket		6	
4	CRA78.3	Roller		10	
5	CRA70.4-7S	CRA70.4-7SAnti-loose piece		6	
6	CRA78.3	Adjustment screw		6	
7	GB/T 70.1-2000	Hexagon socket head cap screws	M8×20	4	
8	GB/T 93-1987	Spring Washer	φ8	12	
9	GB/T 95-2002	Flat Washer	φ8	10	
10	ER15-02.3.2.1	Fork rear bracket Welding		1	
11	GB/T 70.1-2000	Hexagon socket head cap screws	M8×16	4	
12	ER15-02.3.2.2	Reach Pin Shaft welding		4	
13	GB/T 70.1-2000	Hexagon socket head cap screws	M6×16	2	
14	GB/T 93-1987	Spring Washer	φ6	6	
15	GB/T 95-2002	Flat Washer	φ6	2	
16	GB 2674-86	Hexagonal flower-shaped half countersunk head screw	M8×16	4	
17	Q1545.06.04.04	Pin Shaft welding part(1)		4	
18	JB/T 7940.1-1995	Straight-through injection oil cup	6	8	
19	QGB15E-01.13	Shock pad		2	
20	GB/T 70.1-2000	Hexagon socket head cap screws	M6×25	4	
21	GB/T 70.1-2000	Hexagon socket head cap screws	M5×16	2	
22	GB/T 93-1987	Spring Washer	Φ5	2	
23	ER15-02.3.3.3	Pipe clamp		2	
24	ER15-FHT-001	Composite sleeve	Φ25×Φ28×28	4	
25	ER15-FHT-002	Composite sleeveΦ25×Φ22×18	Φ25×Φ22×18	4	
26	ER15-02.3.4.1	Outer fork bracket Welding		2	
27	GB 894.2-86	Circlip for shaft	φ35	4	
28	ER15-02.3.4.1.3	Stop dog		2	
29	GB/T 5781-2000	Hexagon Bolt	M8×16	4	
30	ER15-02.3.3.2	Bushing	Φ67*Φ60*Φ50*45	2	

31	ER15-02.3.3.1	Inner fork bracket Welding		1	
32	GB 894.1-86	Circlip for shaft	φ12	4	
33	ER15-02.3.1.5	Tubing sprocket		4	
34	GB/T 97.1-2002	Flat Washer	φ12	4	
35	ER15-02.3.1.3	Tubing sprocket shaft		2	
36	ER15-FHT-003	Composite sleeve	Φ34×Φ30×45	2	
37	GB/T 93-1987	Spring Washer	φ10	8	
38	GB/T 70.1-2000	Hexagon socket head cap screws	M10×20	4	
39	ER15-02.3.1.1	Fork Front bracket Welding		1	
40	GB/T 70.3-2000	Hexagon socket countersunk head screws	M8×25	2	
41	Q15GB-02.3.9	Sliding block		1	
42	ER15-02.3.5.3	Fork Bracket Pin Shaft welding		2	
43	Q1545.06.04-5	Fork	1150	2	
44	ER15-02.3.5.1	Fork Bracket Welding		1	
45	GB/T 5781-2000	Hexagon Bolt	M10×25	4	
46	GB/T 95-2002	Flat Washer	φ10	4	
47	ER15-02.3.5.2	Fence welding		1	

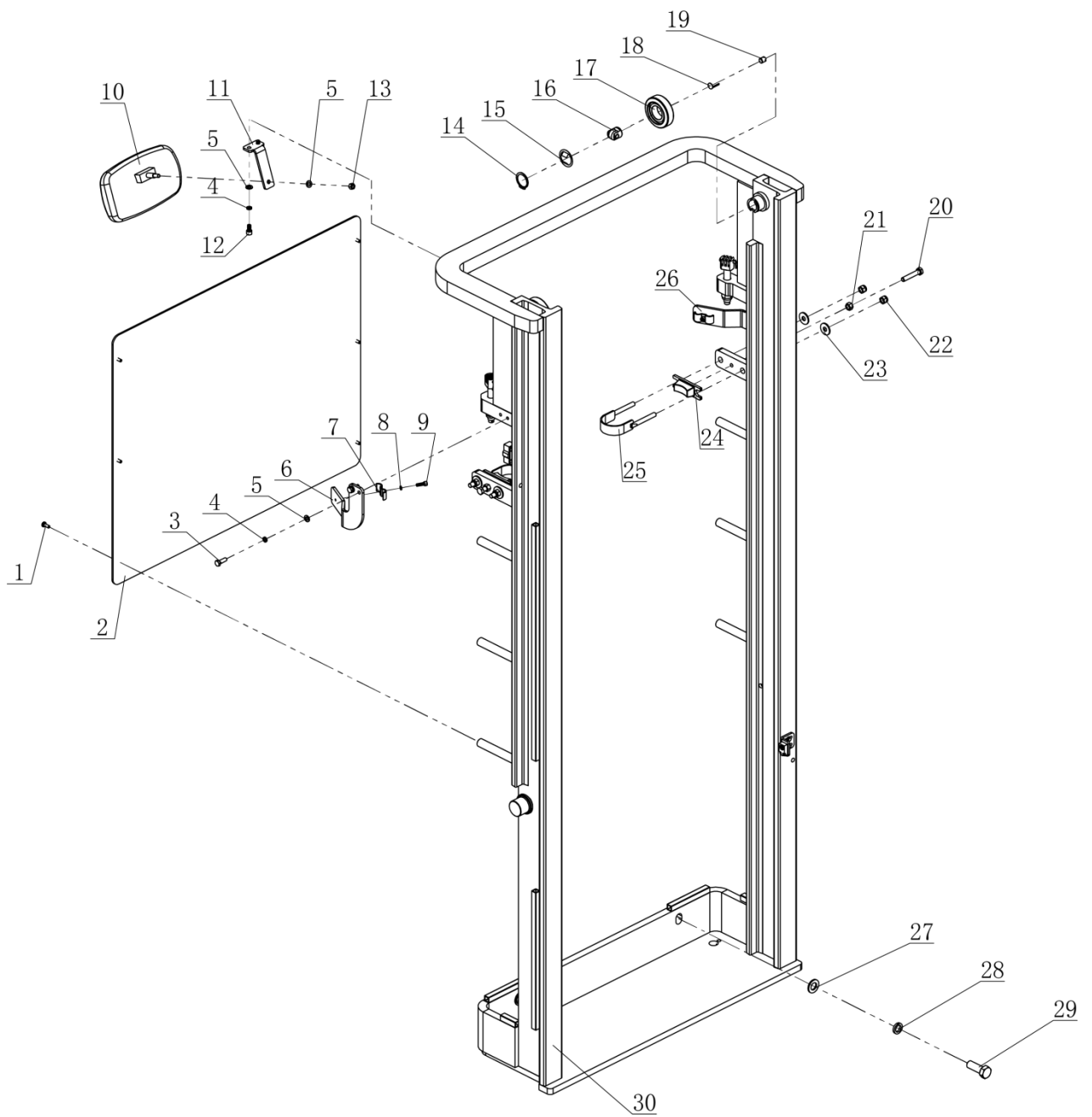
4.2 Frame assembly (Triple mast)



4.2Frame assembly (Triple mast)

No.	Code	Description	Specification	QTY	
1	ER15-05.1	Outer mast assembly(4.5M)		1	
2	ER15-05.2	Middle mast assembly(4.5M)		1	
3	ER15-05.3	Inner mast assembly(4.5M)		1	
4	ER15-05.4	Carriage components(Triple mast)		1	
5	ER15-05.6	Sprocket Assembly		1	

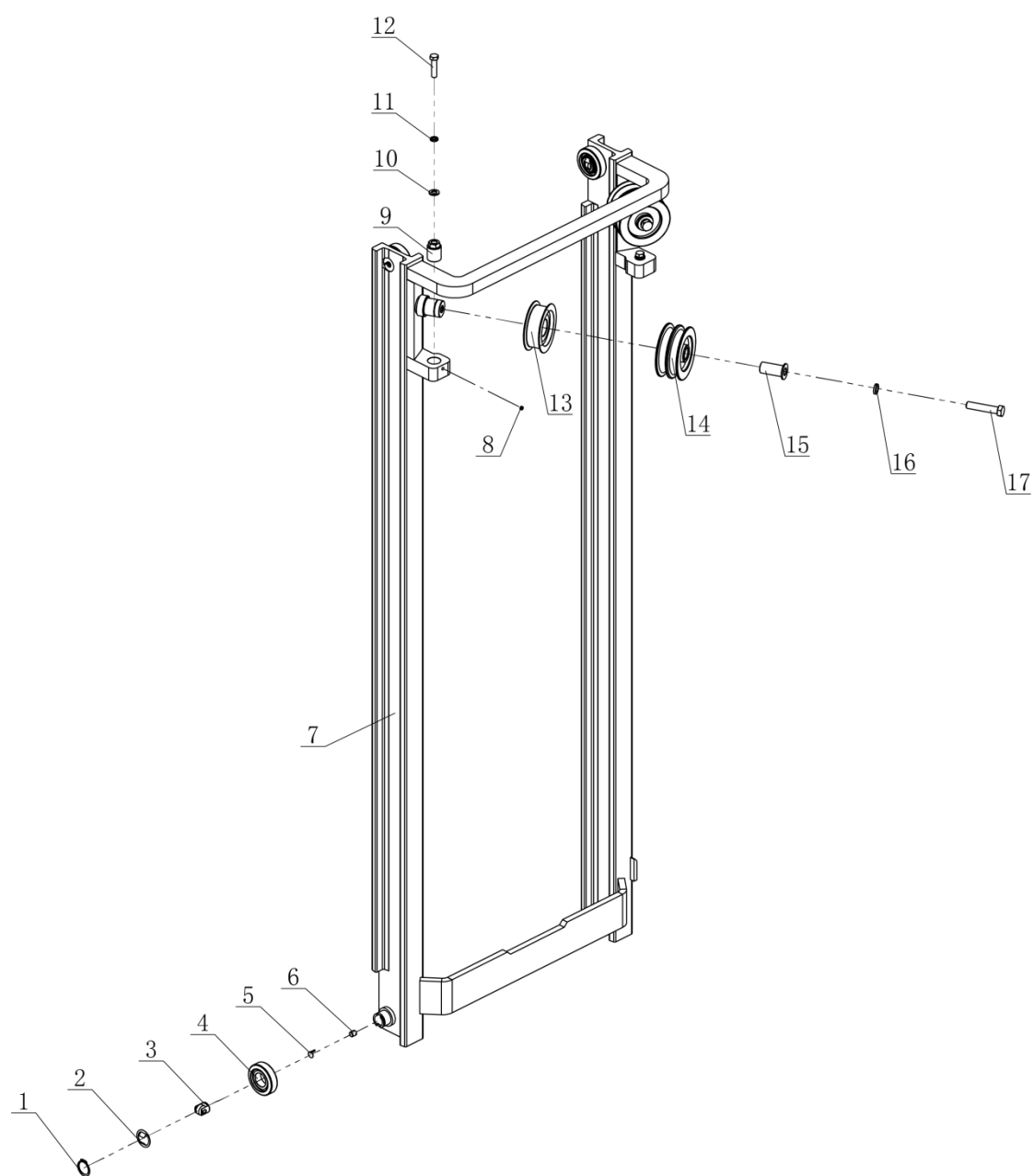
4.2.1 Outer mast assembly (Triple mast)



4.2.1 Outer mast assembly (Triple mast)

No.	Code	Description	Specification	QTY	
1	GB/T 818-2000	cross recessed pan head screw	M6×16	6	
2	ER15-02.1.2	Shield panel (3M)	840*690	1	
3	GB/T 5783-2000	Hexagon Bolt full thread	M8×25	4	
4	GB/T 93-1987	Spring Washer	φ8	4	
5	GB/T 95-2002	Flat Washer	φ8	4	
6	ER15-05.1.3	Fixed plate right		1	
7	ER15-02.3.3.3	Pipe clamp		2	
8	GB/T 93-1987	Spring Washer	φ6	2	
9	GB/T 70.1-2000	Hexagon socket head cap screws	M6×20	2	
10	TY-02.19	Rearview mirror	HS200×110	1	
11	CL10.3-30	Rearview mirror bracket		1	
12	GB/T 70.1-2000	Hexagon socket head cap screws	M8×16	2	
13	GB/T 6170-2000	Hexagon Nut	M8	1	
14	GB 894.1-86	Circlip for shaft	φ35	2	
15	CRA78.3	Dust proof sheet		2	
16	CRA78.3	Small roller bracket		2	
17	CRA78.3	Roller		2	
18	CRA70.4-7S	CRA70.4-7SAnti-loose piece		2	
19	CRA78.3	Adjustment screw		2	
20	GB/T 5781-2000	Hexagon head bolt full thread	M10×55	2	
21	GB/T 41-2000	Hexagon Nut	M10	2	
22	GB/T 889.1-2000	Hexagon lock nut	M10	4	
23	GB/T 96.2-2002	Big Washer	Φ10	4	
24	ER15-YGZCK-001	Cylinder support block (70-78)	70-78	2	
25	ER15-ULS-001	U-Bolt (JAC2.5T)		2	
26	ER15-05.1.2	Rubber hose Fixed plate		1	
27	GB/T 97.1-2002	Flat Washer	φ18	2	
28	GB/T 93-1987	Spring Washer	φ18	2	
29	GB/T 5783-2000	Hexagon Bolt full thread	(M18)×50	2	
30	ER15-05.1.1	Outer mast Welding(4.5M)		1	

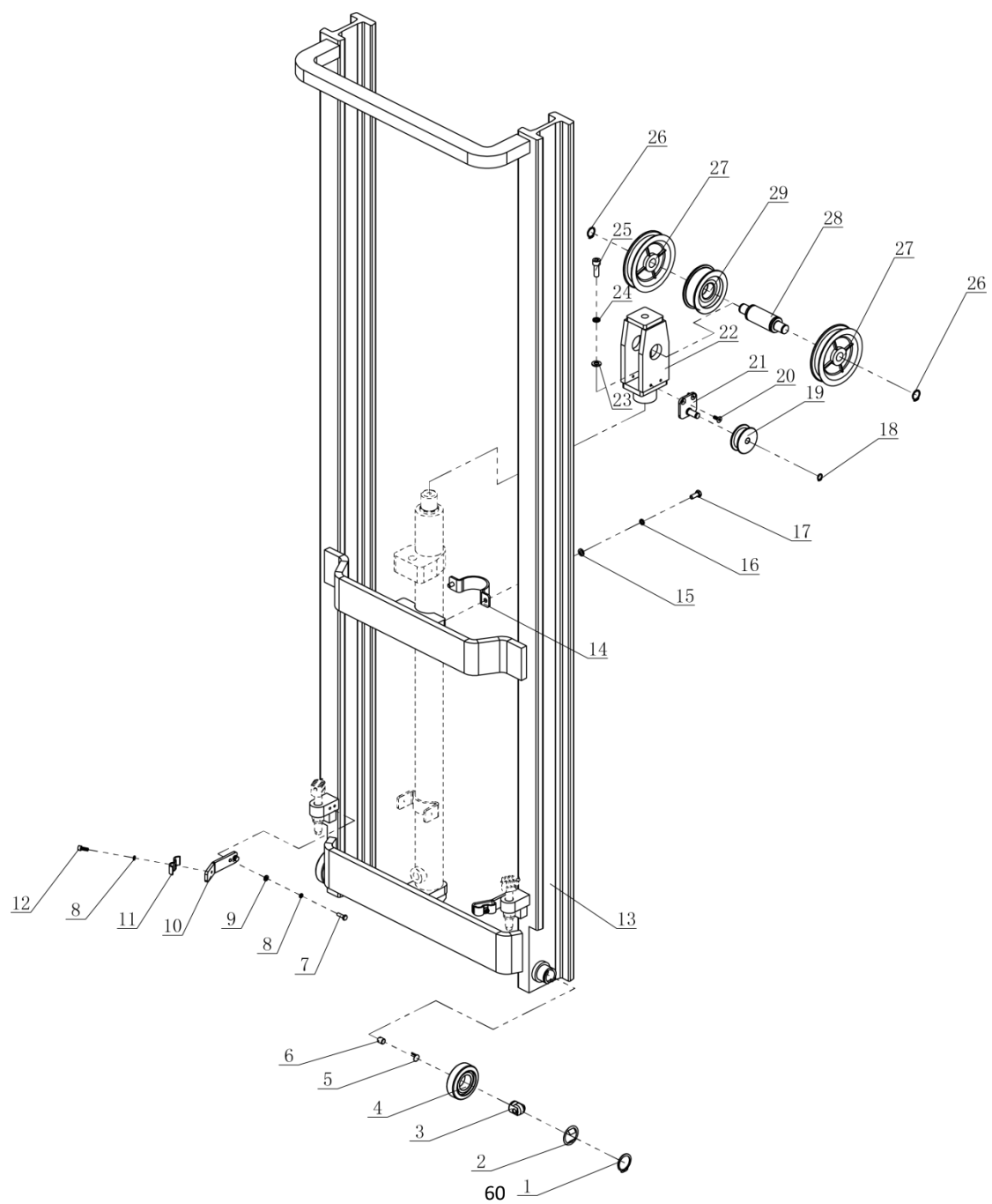
4.2.2 Middle mast assembly (Triple mast)



4.2.2 Middle mast assembly (Triple mast)

No.	Code	Description	Specification	QTY	
1	GB 894.1-86	Circlip for shaft	$\phi 35$	2	
2	CRA78.3	Dust proof sheet		2	
3	CRA78.3	Small roller bracket		2	
4	CRA78.3	Roller		2	
5	CRA70.4-7	CRA70.4-7SAnti-loose piece		2	
6	CRA78.3	Adjustment screw		2	
7	ER15-05.2.1	Middle mast Welding(4.5m)		1	
8	GB/T 77-2000	Hexagon socket set screw with flat end	M8×5	2	
9	ER15-02.2.2	Cylinder adjustment bolt		1	
10	GB/T 95-2002	Flat Washer	$\phi 12$	2	
11	GB/T 93-1987	Spring Washer	$\phi 12$	2	
12	GB/T 5781-2000	Hexagon Bolt	M12×50	2	
13	CG40A1-20	Mast sprocket		2	
14	Q15GB-02.2.2	Tubing Sprocket		2	
15	Q15GB-02.2.3	Bushing		2	
16	GB/T 93-1987	Spring Washer	$\phi 16$	2	
17	GB/T 5783-2000	Hexagon Bolt Full thread	M16×80	2	

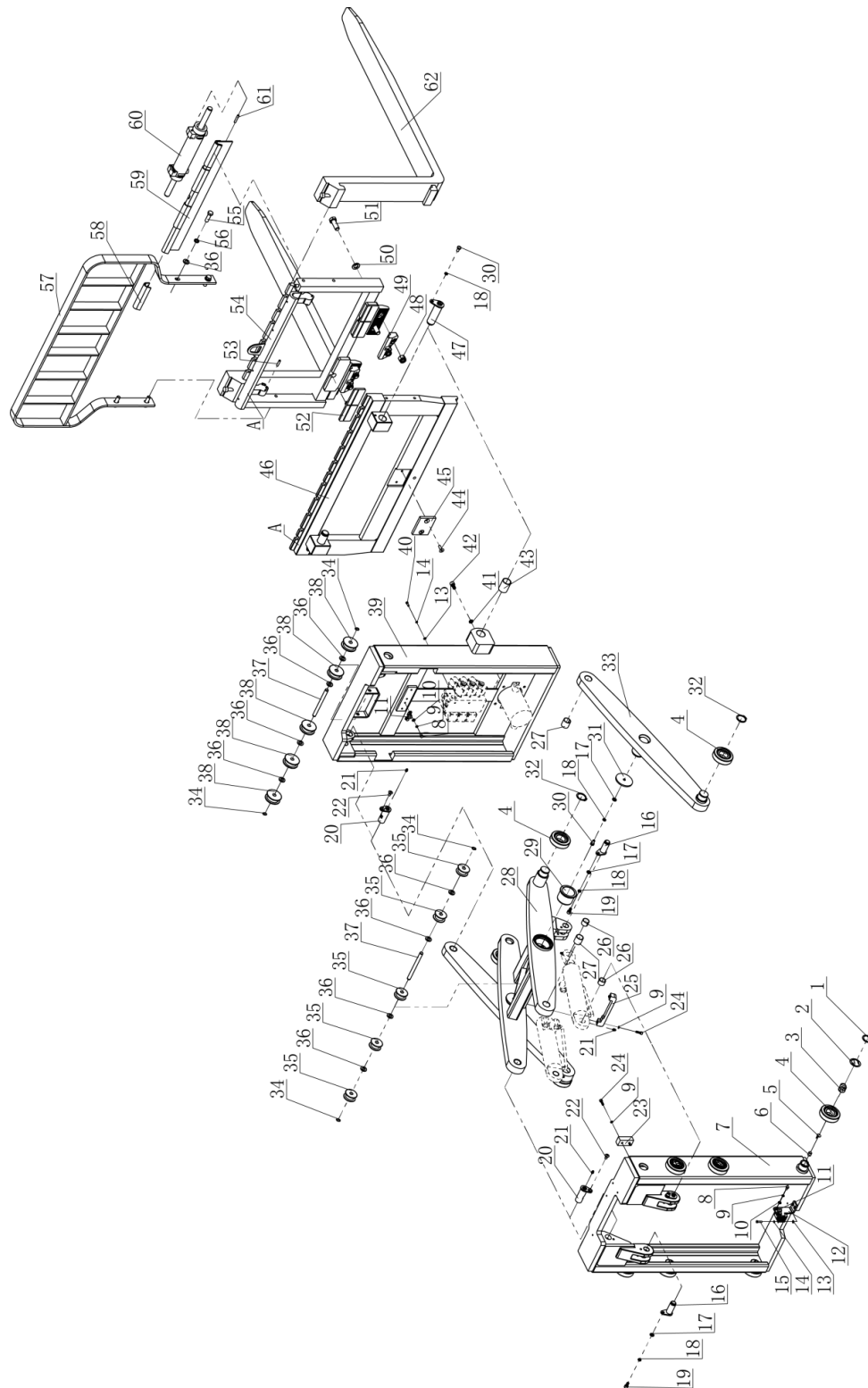
4.2.3 Inner mast assembly (Triple mast)



4.2.3 Inner mast assembly (Triple mast)

No.	Code	Description	Specification	QTY	
1	GB 894.1-86	Circlip for shaft	35	2	
2	CRA78.3	Dust proof sheet		2	
3	CRA78.3	Small roller bracket		2	
4	CRA78.3	Roller		2	
5	CRA70.4-7S	CRA70.4-7SAnti-loose piece		2	
6	CRA78.3	Adjustment screw		2	
7	GB/T 5783-2000	Hexagon Bolt full thread	M6×20	4	
8	GB/T 93-1987	Spring Washer	φ6	6	
9	GB/T 95-2002	Flat Washer	φ6	4	
10	ER15-05.3.1.2	Fixed plate		2	
11	ER15-02.3.3.3	Pipe clamp		2	
12	GB/T 70.1-2000	Hexagon socket head cap screws	M6×16	2	
13	ER15-05.3.1	Inner mast Welding(4.5M)		1	
14	Q20GA-07.3.2	Cylinder Hoop		1	
15	GB/T 95-2002	Flat Washer	φ8	2	
16	GB/T 93-1987	Spring Washer	φ8	2	
17	GB/T 5783-2000	Hexagon Bolt full thread	M8×20	2	
18	GB 894.1-86	Circlip for shaft	12	1	
19	ER15-02.3.1.5	Tubing sprocket		1	
20	GB/T 70.3-2000	Hexagon socket countersunk head screws	M6×16	2	
21	ER15-05.6.2	Small pulley bracket Welding		1	
22	ER15-05.6.1	Sprocket bracket Welding		1	
23	GB/T 95-2002	Flat Washer	φ10	1	
24	GB/T 93-1987	Spring Washer	φ10	1	
25	GB/T 70.1-2000	Hexagon socket head cap screws	M10×30	1	
26	GB 894.2-86	Circlip for shaft	20	2	
27	ER15.HJ-001	Tubing pulley		2	
28	ER15-05.6.4	Chain shaft		1	
29	CG35A1-60	Mast Sprocket		1	

4.2.4 Carriage components(Triple mast)

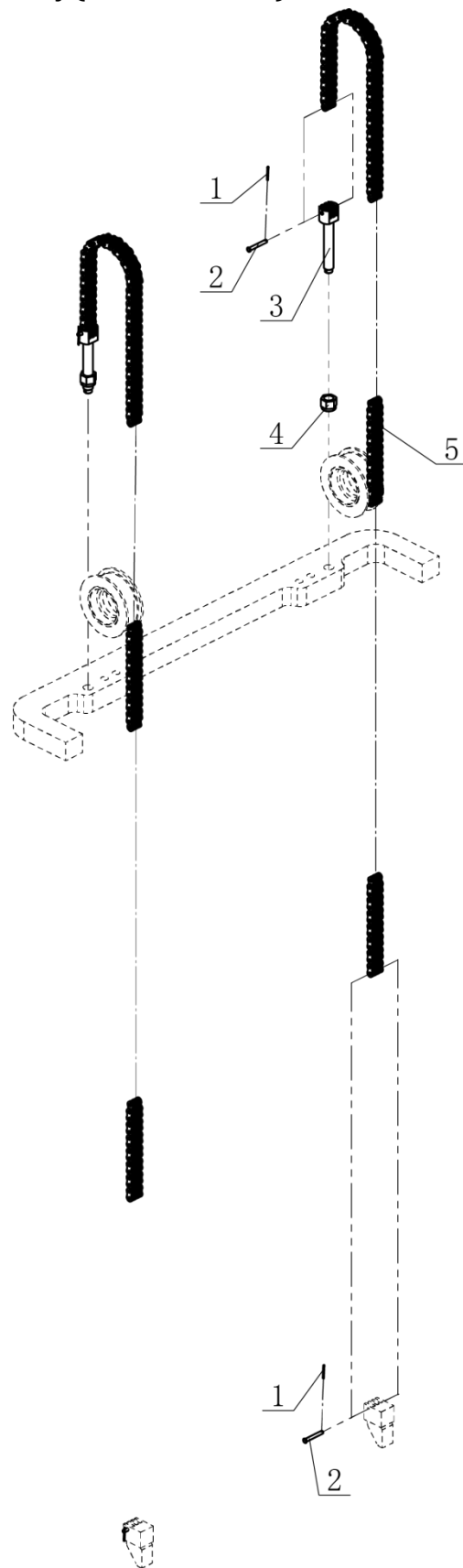


4.2.4 Carriage components(Triple mast)

No.	Code	Description	Specification	QTY	
1	GB 894.1-86	Circlip for shaft	35	6	
2	CRA78.3	Dust proof sheet		6	
3	CRA78.3	Small roller bracket		6	
4	CRA78.3	Roller		10	
5	CRA70.4-7S	Anti-loose piece		6	
6	CRA78.3	Adjustment screw		6	
7	ER15-05.4.2.1	Fork rear bracket Welding		1	
8	GB/T 5783-2000	Hexagon Bolt full thread	M6×10	4	
9	GB/T 93-1987	Spring Washer	φ6	10	
10	GB/T 95-2002	Flat Washer	φ6	4	
11	Φ10Riding hoop	Φ10Riding hoop		2	
12	ER15-05.4.2.1.2	Cable Fixed plate		1	
13	GB/T 95-2002	Flat Washer	Φ5	5	
14	GB/T 93-1987	Spring Washer	Φ5	5	
15	GB/T 5783-2000	Hexagon Bolt full thread	M5×20	2	
16	ER15-02.3.2.2	Reach Pin Shaft welding		4	
17	GB/T 95-2002	Flat Washer	φ8	6	
18	GB/T 93-1987	Spring Washer	φ8	8	
19	GB/T 70.1-2000	Hexagon socket head cap screws	M8×16	4	
20	Q1545.06.04.04	Pin Shaft welding Part (1)		4	
21	JB/T 7940.1- 1995	Straight-through injection oil cup	6	8	
22	GB 2674-86	Hexagonal flower-shaped half countersunk head screw	M8×16	4	
23	QGB15E-01.13	Shock pad		2	
24	GB/T 70.1-2000	Hexagon socket head cap screws	M6×20	6	
25	ER15-05.4.3.3	Clamp		1	
26	ER15-FHT-002	Composite sleeve	Φ25×Φ22×18	4	
27	ER15-FHT-001	Composite sleeve	Φ25×Φ28×28	4	
28	ER15-05.4.3.1	Inner fork bracket Welding		1	
29	ER15-02.3.3.2	Bushing	Φ67*Φ60*Φ5 0*45	2	
30	GB/T 5781-2000	Hexagon Bolt	M8×16	4	
31	ER15-02.3.4.1.3	Stop dog		2	

32	GB 894.2-86	Circlip for shaft	35	4	
33	ER15-02.3.4.1	Outer fork bracket Welding		2	
34	GB 894.1-86	Circlip for shaft	12	4	
35	Q20GA-07.8.3	Small pulley		5	
36	GB/T 97.1-2002	Flat Washer	φ12	12	
37	ER15-05.4.3.2	Tubing Chain shaft		2	
38	ER15-02.3.1.5	Tubing sprocket		5	
39	ER15-05.4.1.1	Fork Front bracket Welding		1	
40	GB/T 5783-2000	Hexagon Bolt full thread	M5×16	3	
41	GB/T 93-1987	Spring Washer	φ10	4	
42	GB/T 70.1-2000	Hexagon socket head cap screws	M10×20	4	
43	ER15-FHT-003	Composite sleeve	Φ34×Φ30×45	2	
44	GB/T 70.3-2000	Hexagon socket countersunk head screws	M8×25	2	
45	Q15GB-02.3.9	Sliding block		1	
46	ER15-05.4.4.1	Fork Bracket Welding		1	
47	ER15-02.3.5.3	Fork Bracket Pin Shaft welding		2	
48	GB/T 889.1-2000	Hexagon lock nut	M16	4	
49	E10GS-10.3.3.4	Clamp		2	
50	GB/T 95-2002	Flat Washer	φ16	4	
51	GB/T 5781-2000	Hexagon head bolt full thread	M16×45	4	
52	ER15-JYB-1	Lubricating plate		2	
53	GB/T 879.1-2000	Elastic cylindrical pin	6×30	2	
54	Q15GB-04.4.3.1	Side shift bracket Welding		1	
55	GB/T 5783-2000	Hexagon Bolt full thread	M12×40	4	
56	GB/T 93-1987	Spring Washer	φ12	4	
57	Q1533FB-01.3.3	Fence welding		1	
58	E10GS-10.3.3.2.2	Chute pad		4	
59	E10GS-10.3.3.2.1	Chute inner plate Welding		1	
60	E10GS-10.3.3.3	Cylinder assembly		1	
61	GB/T 879.1-2000	Elastic cylindrical pin	6×40	2	
62	Q1545.06.04-5	Fork	950	2	

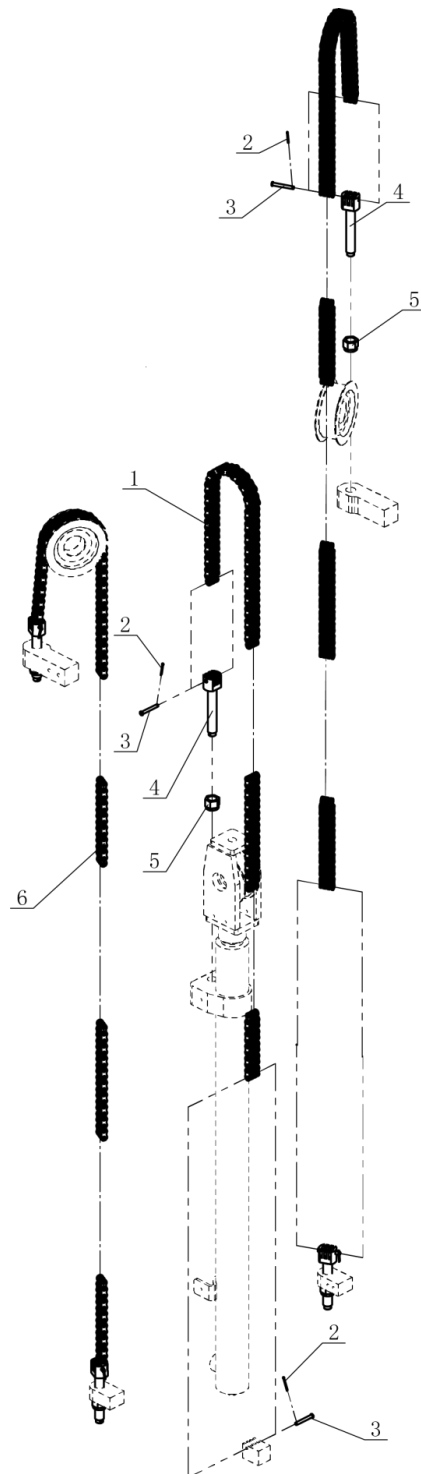
4.3the Chain assembly(Double Mast)



4.3the Chain assembly(Double Mast)

No.	Code	Description	Specification	QTY	
1	GB/T 91-2000	Split pin	2×20	4	
2	CG1646	CG1646Pull rod Pin		4	
3	CG1646.02-4	Chain bolt		2	
4	GB/T 889.1-	Hexagon lock nut	M16	2	
5	LH0866	Leaf chain		2	

4.4the Chain assembly(Triple Mast)



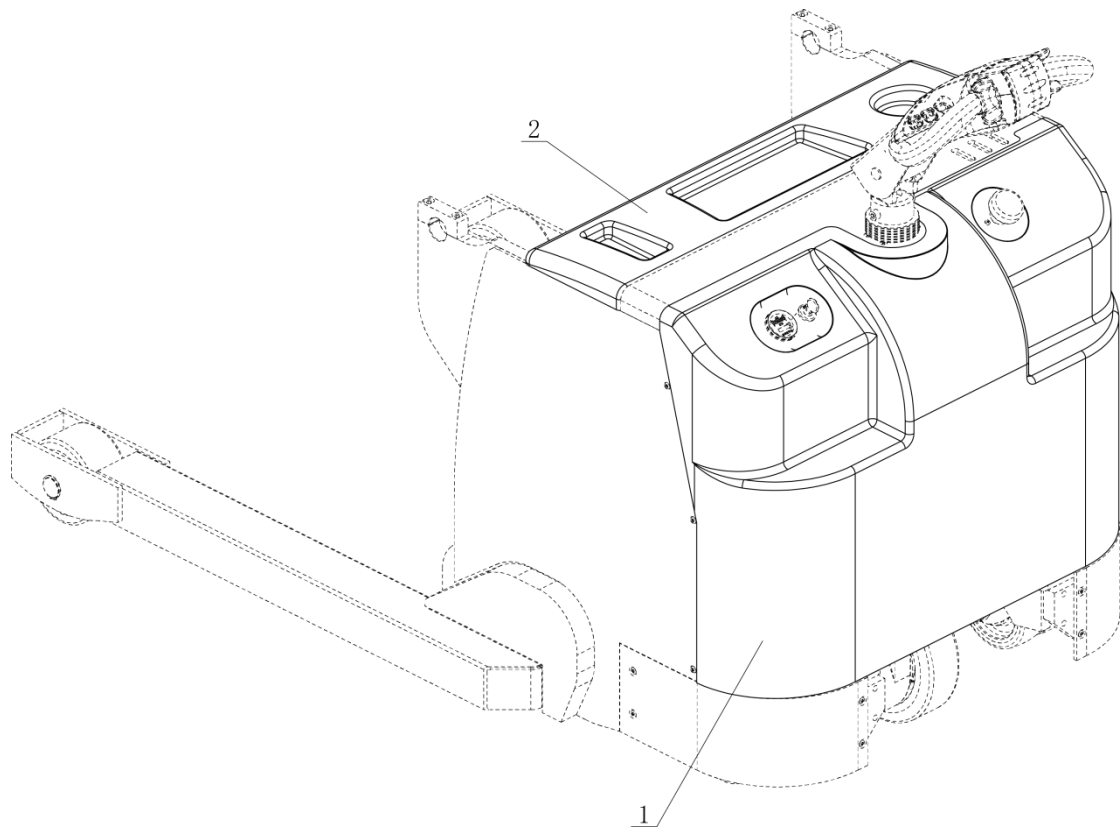
4.4 the Chain assembly(Triple Mast)

No.	Code	Description	Specification	QTY	
1	LH0866	Leaf chain		1	
2	GB/T 91-2000	Split pin	2×20	6	
3	CG1646	CG1646Pull rod Pin		6	
4	CG1646.02-4	Chain bolt		5	
5	GB/T 889.1-	Hexagon lock nut	M16	5	
6	LH0866	Leaf chain		2	

Lifting height	Chain specification	Chain model	Qty
3000	169Piece	LH0866	2
4500	121Piece	LH0866	1
	159Piece	LH0866	2

5.Cover assembly

5.1Cover assembly



5.1Cover assembly

No.	Code	Description	Specification	QTY	
1	Q1545.04	Electrical box Cover		1	
2	E1230X-4	Battery cover		1	