

Parts Manual

Moving Mast Walkie Stacker

G33RH-189LI/216LI



Instructions for use

Please read this manual carefully and operate the vehicle safely.

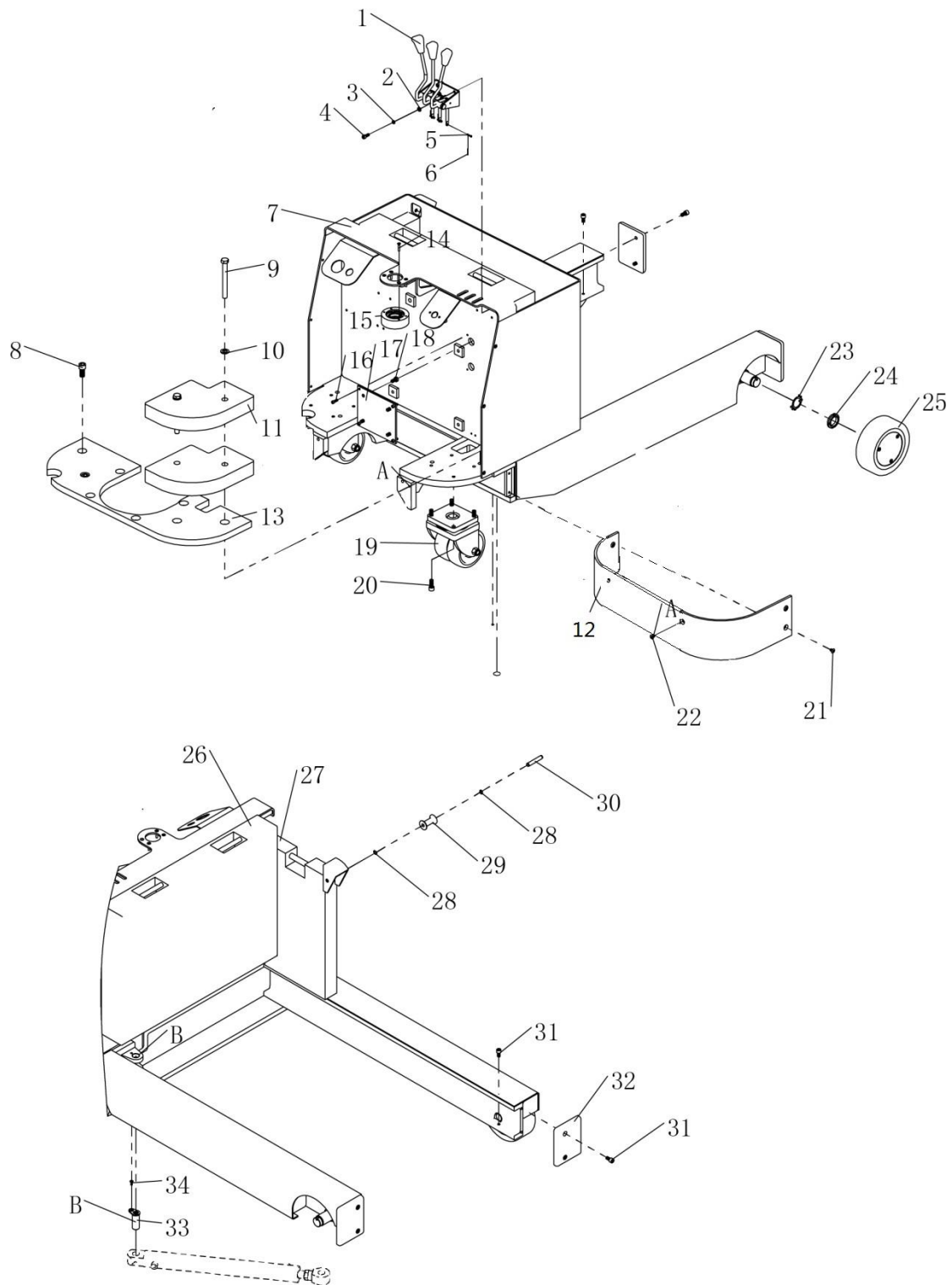
- Do not operate this vehicle without training.
- Please comply with ISO3691 "Safety Specification for Motor Vehicles Industry".
- Please do not modify or change the repair parameters, including adjusting the pressure. Any loss or damage to the vehicle resulting from such actions will be your responsibility, and doing so will void our warranty commitment.

SPECIAL WARNING:

The company is committed to innovation and sustainable development. As part of this commitment, we continually improve the technology of our products. Therefore, we reserve the right to make changes and improvements to any product described in this specification without prior notice.

1.Body system

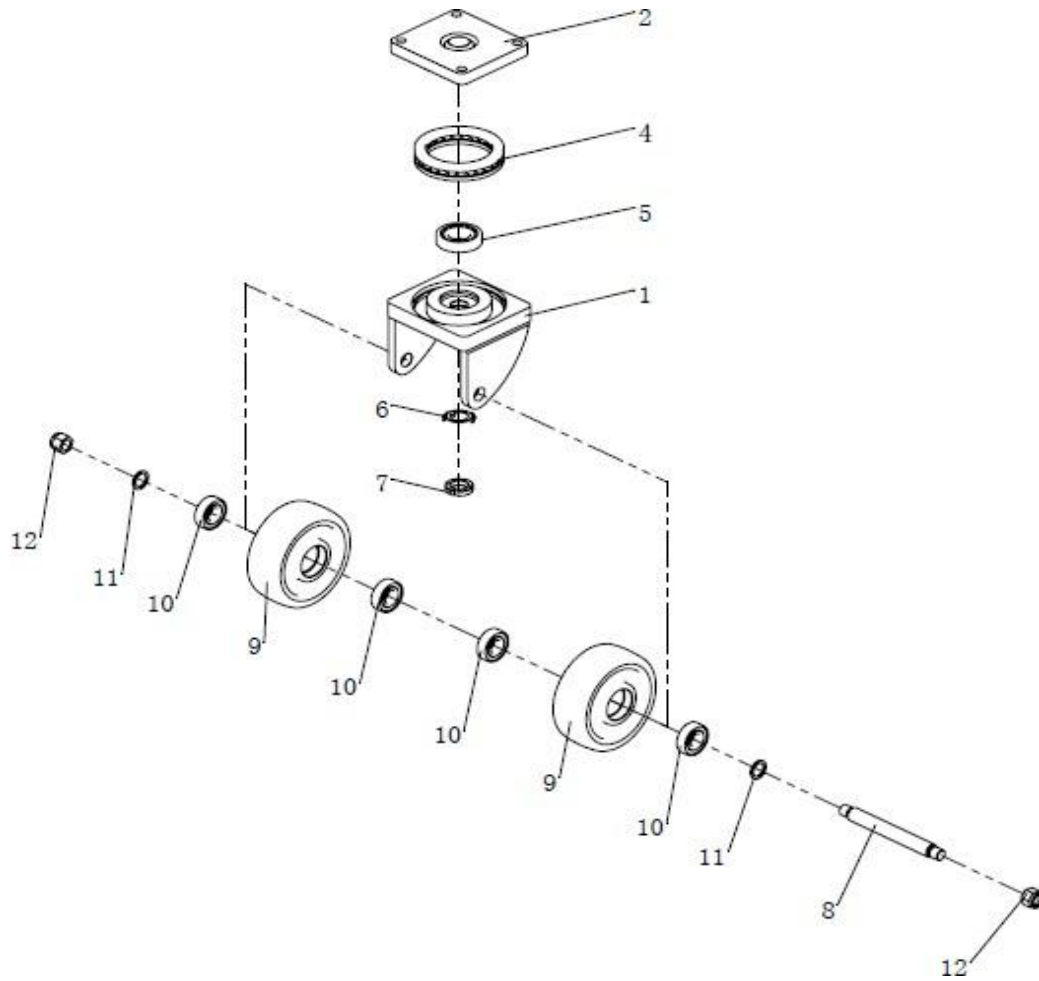
1.1 Frame component



1.1 Frame component

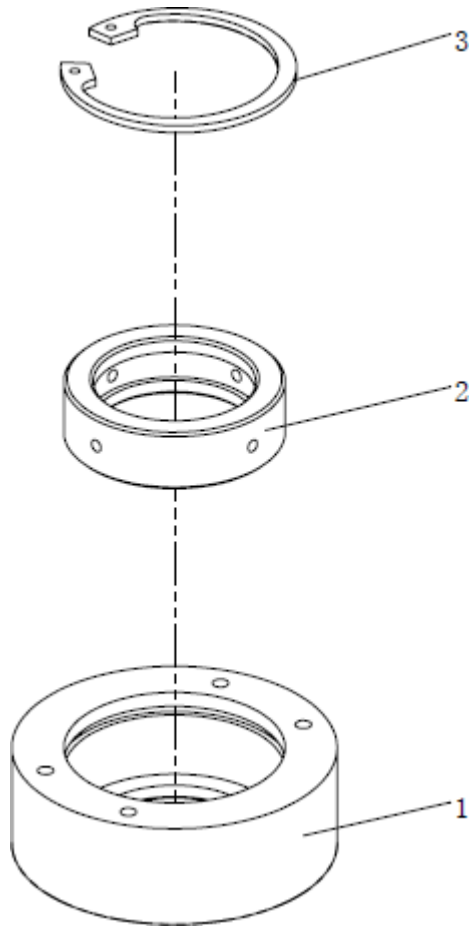
Item number	Part name	Description	Specifications	Qty
1	EH15T.01.02	Multiple valve bracket		1
2	GB/T 95-2002	Flat washer	8×1.6	4
3	GB/T 93-1987	Elastic washer	8×2.1	4
4	GB/T 70.1-2000	Hexagon socket head screw	M8×20	4
5	GB 882-88	pin	4.5×20	3
6	GB/T 91-2000	Cotter pin	1.6×20	3
7	EH15T.10.01	Electrical box welding (new)		1
8	GB/T 70.1-2000	Hexagon socket head screw	M16×30	6
9	GB/T 5780-2000	Hexagonal head bolt	M16×150	2
10	GB/T 95-2002	Flat washer	16×3	2
11	EH15T.01-5	Weight (3)		2
12	EH15T.01-11	The coaming left		1
13	EH15T.01-6	Lower counterweight retaining plate		1
14	GB/T 819.1-2000	Cross slotted countersunk head screw	M6×30	4
15	EH15T.01.17	Knuckle joint		1
16	GB/T 70.1-2000	Hexagon socket head screw	M6×20	4
17	EH15T5.01-13	Solenoid valve locking plate		1
18	GB/T 5781-2000	Hexagonal head bolt	M10×1.25×20	4
19	EH15T.01.22	Steering wheel		2
20	GB/T 70.1-2000	Hexagon socket head screw	M12×30	8
21	GB 2674-86	Hexagon socket head set screw	M8×12	4
22	GB 2674-86	Hexagon socket head set screw	M12×20	2
23	GB 858-1988	The round nut USES a stop washer	36×1.5	2
24	GB/T 812-1988	Round nut	M36×1.5	2
25	EH15T.01.03	The front wheel		2
26	EH15T.01-1	Weight (1)		1
27	EH15T.01-8	Weight (4)		1
28	GB 894.1-86	The shaft USES an elastic retainer	12	2
29	EH15T.01-20	The pulley		1
30	EH15T5.05-21	shaft		1
31	GB/T 70.1-2000	Hexagon socket head screw	M10×20	6
32	EH15T.01-14	head		2
33	EH15T.06.04.04	Pin shaft fitting (1)		1
34	GB 2674-86	Hexagon socket head set screw	M6×16	1

1.3 Balancing wheel



Item number	Part name	Description	Specifications	Qty
1	EH15T.01.22.01	Wheel block		1
2	EH15T.01.22.02	Shaft welding joint		1
3	EH15T.01.22-3	Dust cover		1
4	GB/T 301-1995	Thrust ball bearing	51118	1
5	GB/T 297-94	Taper roller bearing	30206	1
6	GB 858-1988	The round nut USES a stop washer	24×1	1
7	GB/T 810-1988	The small round nut	M24×1.5	1
8	EH15T.01.22-4	bolt		1
9	Φ149×60	Q balance wheel	Φ149×60	2
10	GB/T 276-94	Deep groove ball bearing	6204-2Z	4
11	EH15T.01.22-5	The gasket		2
12	GB/T889.1-2000	Hexagonal lock nut	M16	2

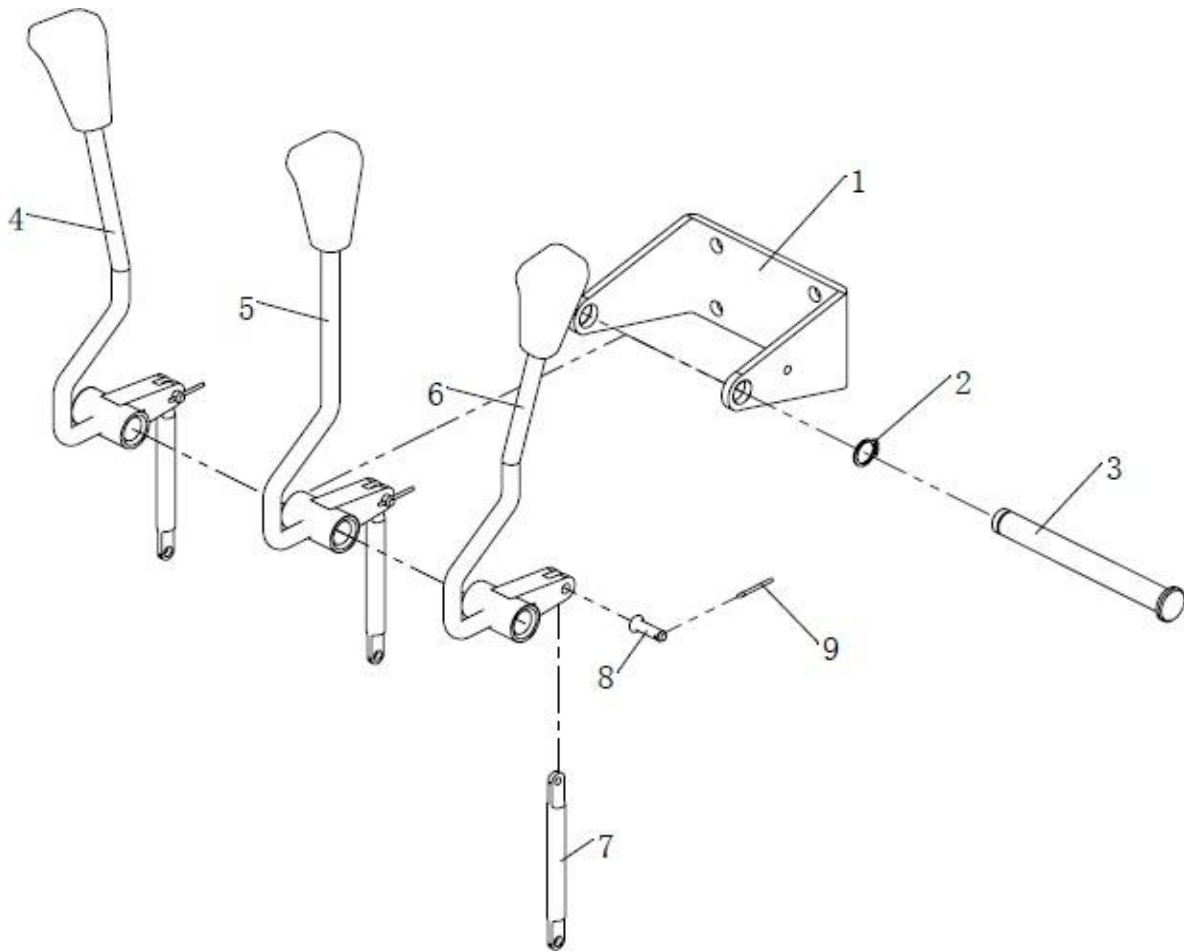
1.4 Steering box



1.3 Steering box

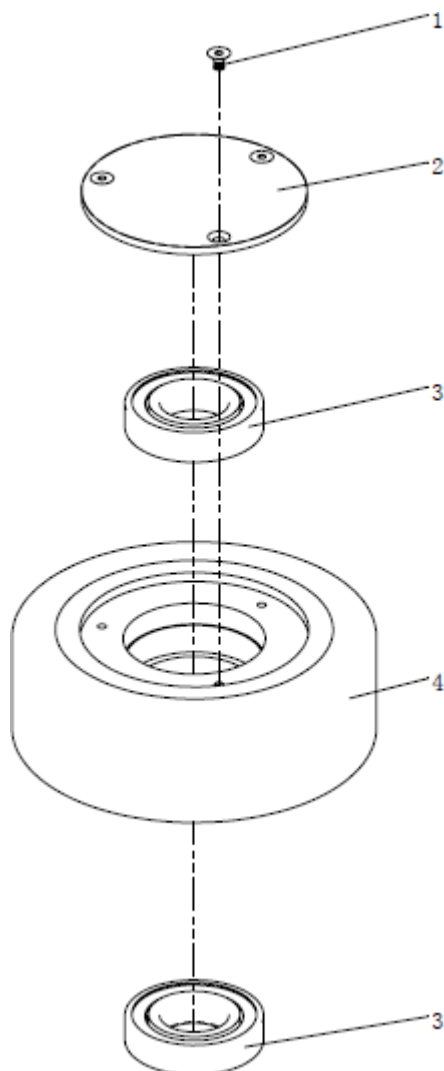
Item number	Part name	Description	Specifications	Qty
1	EH15T.01.17-1	The fixed seat		1
2	EH15T.01.17-2	Nylon sleeve		1
3	GB 893.2-86	Spring retainer for hole	68	1

1.5 Multiple valve support parts



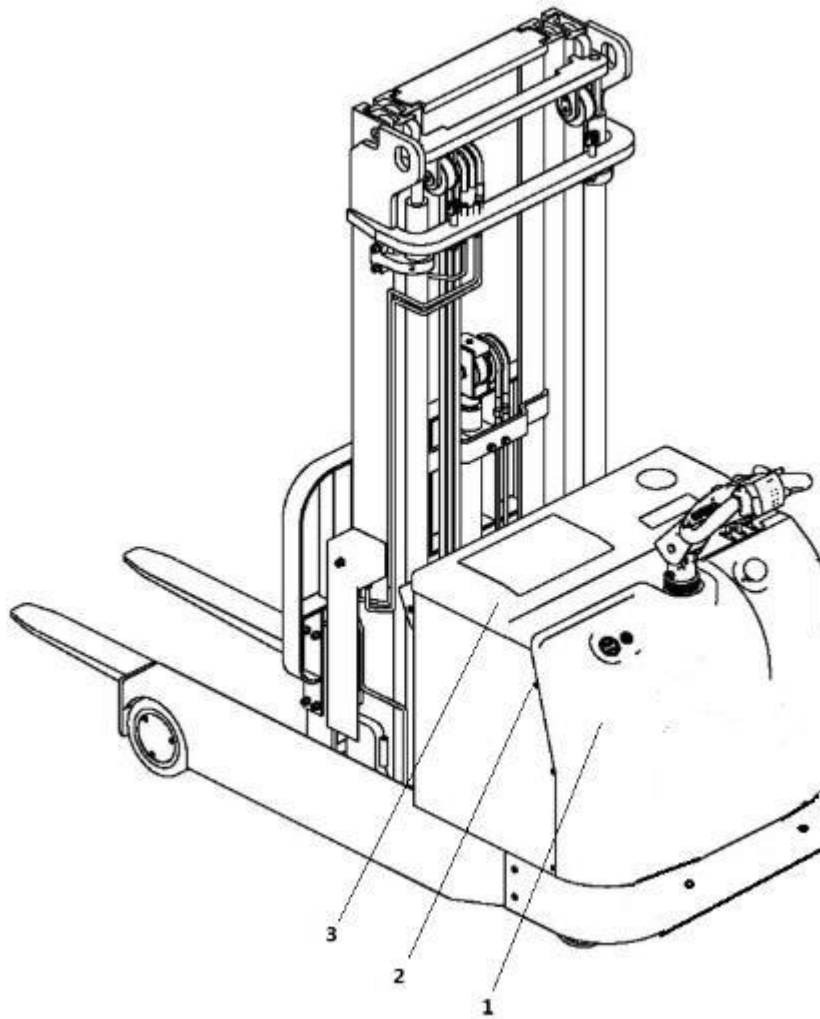
Item number	Part name	Description	Specifications	Qty
1	EH15T.01.02-4	stents		1
2	GB 894.1-86	The shaft USES an elastic retainer	14	1
3	EH15T.01.02-5	pin		1
4	EH15T.01.02.02	The lifting handle		1
5	EH15T.01.02.01	Reach the handle		1
6	EH15T.01.02.03	Tilt the handle		1
7	EH15T.01.02-6	Connecting rod		3
8	GB 882-88	pin	6×20	3
9	GB/T 91-2000	Cotter pin	2×20	3

1.6 The front wheel parts



Item number	Part name	Description	Specifications	Qty
1	GB/T 70.3-2000	Hexagon socket head screw	M6×10	3
2	EH15T.01.03-2	End cover		1
3	GB/T 276-94	Deep groove ball bearing	6208-2Z	2
4	EH15T.01.03.01	Front wheel (wheel 70)		1

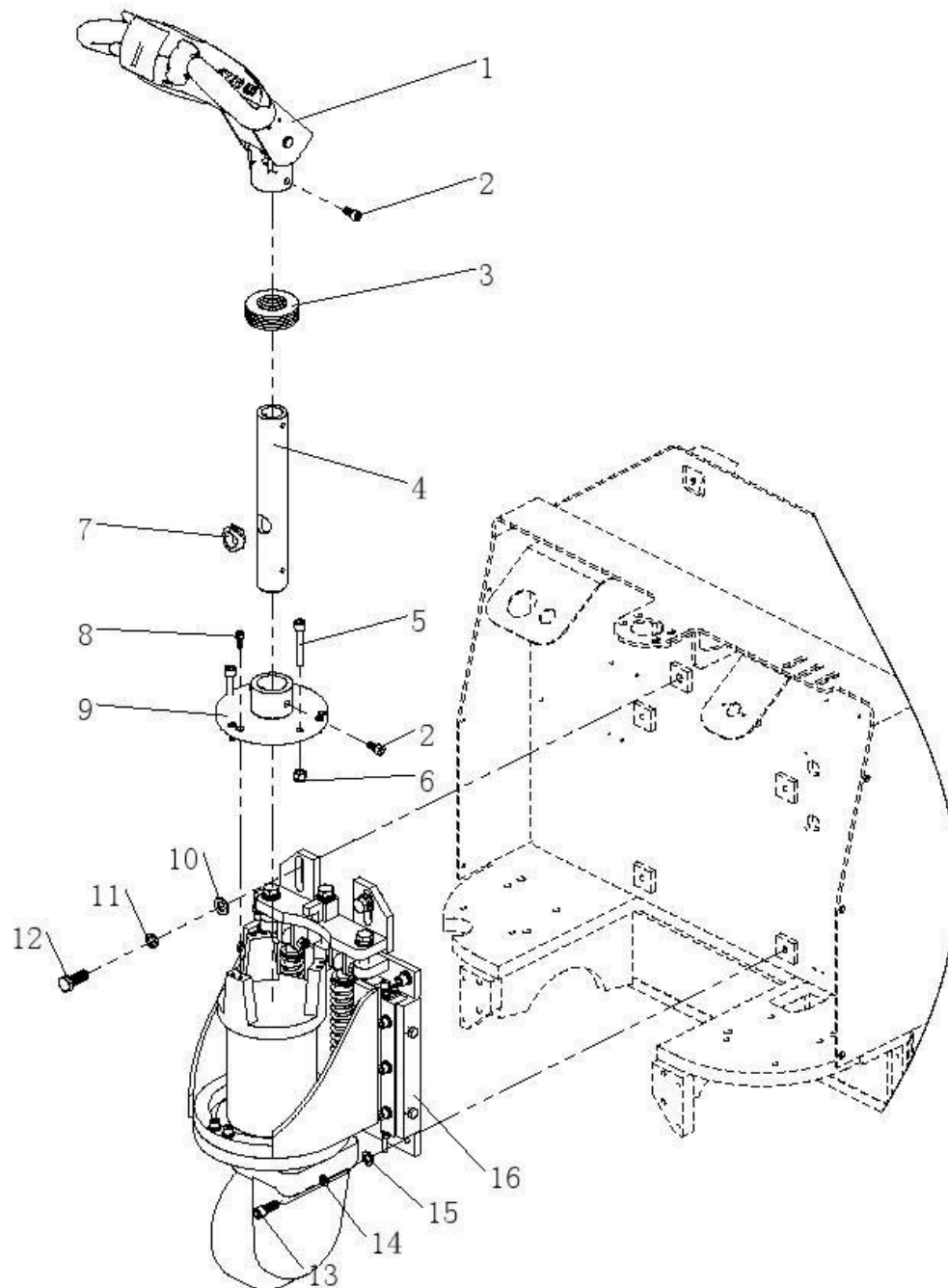
1.7 Body parts



1	EH15T-4	Electrical box mask		1
2	EH15T-5	The battery cover		2
3	GB 2674-86	Hexagon socket head set screw		6

2. Drive system

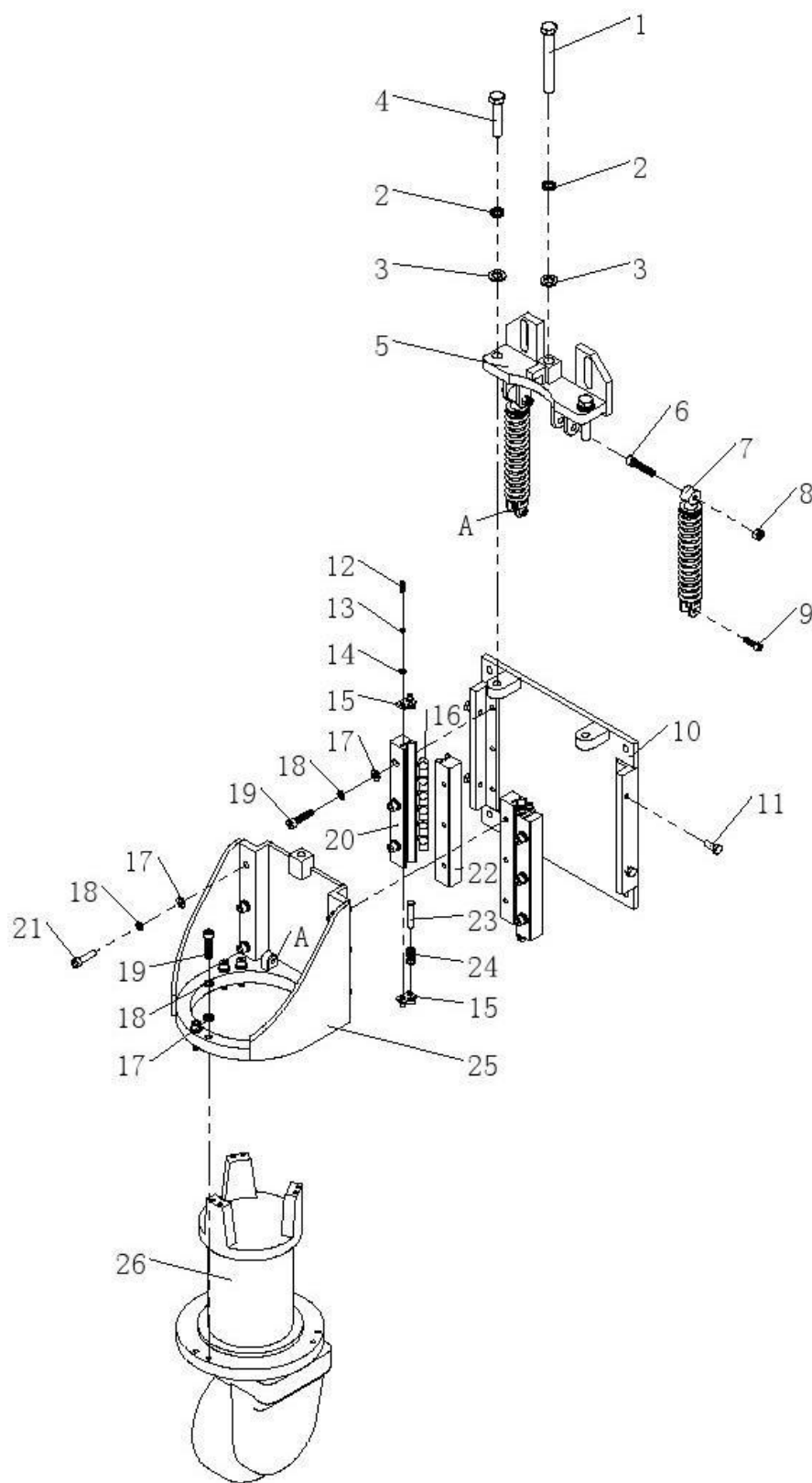
2.1 Vertical AC drive operating unit



2.2 Vertical AC drive operating unit

Item number	Part name	Description	Specifications	Qty
1	EH15T.07	Handle assembly		1
2	GB/T 70.1-2000	Hexagon socket head screw	M10×20	4
3	EB12E.5-5H	Dust cover		1
4	EH15T.01.18-2	Handle shaft		1
5	GB/T 70.1-2000	Hexagon socket head screw	M12×70	2
6	GB/T 889.1-2000	Hexagonal lock nut	M12	2
7	EH15T.01.18-3	Bollard harness jacket		1
8	GB/T 70.1-2000	Hexagon socket head screw	M8×20	6
9	EH15T.01.18.01	Flanged joint		1
10	GB/T 95-2002	Flat washer	16×3	2
11	GB/T 93-1987	Elastic washer	16×4.1	2
12	GB/T 5783-2000	Hexagonal head bolt	M16×35	2
13	GB/T 70.1-2000	Hexagon socket head screw	M12×35	4
14	GB/T 93-1987	Elastic washer	12×3.1	4
15	GB/T 95-2002	Flat washer	12×2.5	4
16	EH15T.01.04	Vertical ac drive component		1

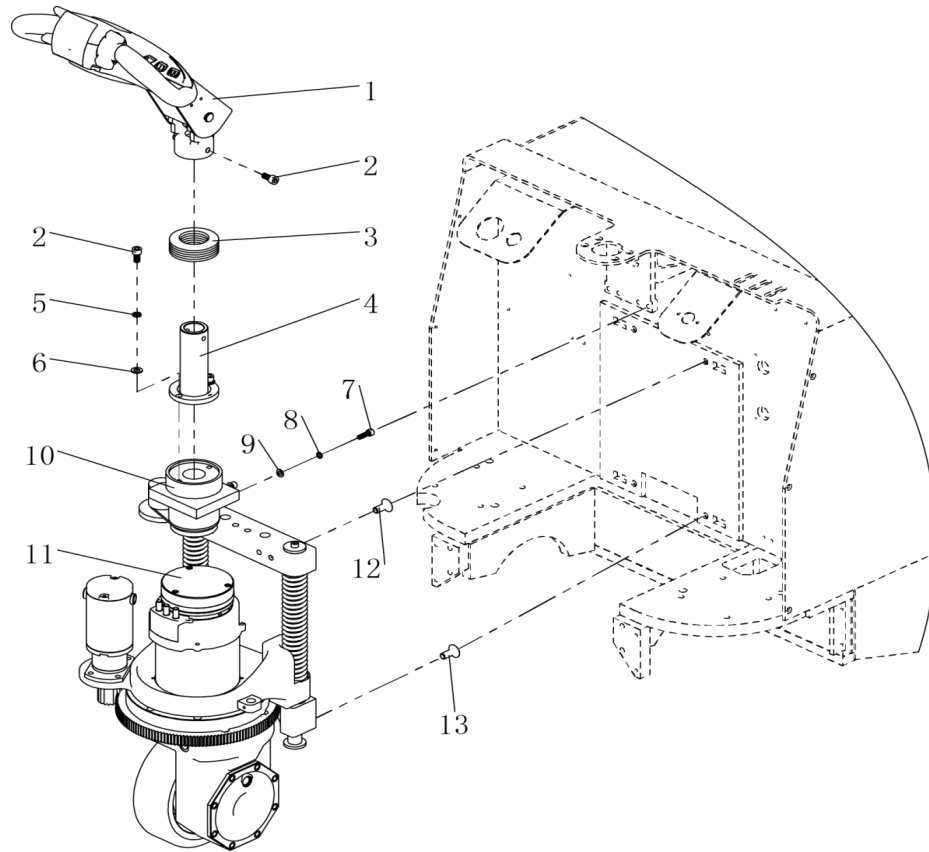
2.3 Vertical AC drive component



2.3 Vertical ac drive component

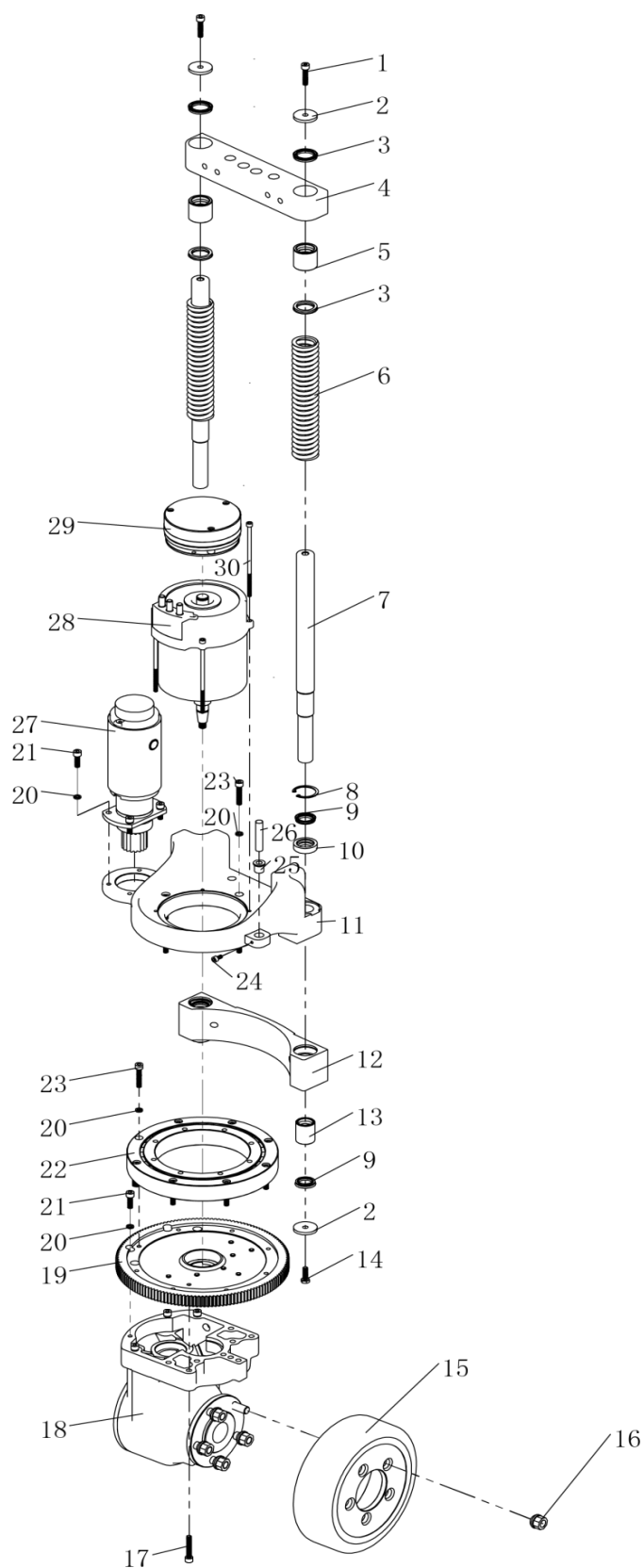
Item number	Part name	Description	Specifications	Qty
1	GB/T 5782-2000	Hexagonal head bolt	M16×130	1
2	GB/T 93-1987	Elastic washer	16×4.1	3
3	GB/T 95-2002	Flat washer	16×3	3
4	GB/T 5783-2000	Hexagonal head bolt	M16×75	2
5	EH15T.01.04.01	Spring bracket fitting		1
6	GB/T 70.1-2000	Hexagon socket head screw	M10×50	2
7		After the shock absorption		2
8	GB/T 889.1-2000	Hexagonal lock nut	M10	2
9	GB/T 70.1-2000	Hexagon socket head screw	M8×30	2
10	EH15T.01.04.03	Supporting bracket		1
11	GB/T 5783-2000	Hexagonal head bolt	M10×25	4
12	GB/T 70.1-2000	Hexagon socket head screw	M6×12	8
13	GB/T 93-1987	Elastic washer	6×1.6	8
14	GB/T 95-2002	Flat washer	6×1.6	8
15	EH15T.01.04-6	End cover		4
16	EH15T.01.04-7	roller		24
17	GB/T 95-2002	Flat washer	10×2	18
18	GB/T 93-1987	Elastic washer	10×2.6	18
19	GB/T 70.1-2000	Hexagon socket head screw	M10×40	12
20	EH15T.01.04-4	V block		2
21	GB/T 70.1-2000	Hexagon socket head screw	M10×40	6
22	EH15T.01.04-5	V block (inside)		2
23	EH15T.01.04-8	Spring mandrel		2
24	EH15T.01.04-9	spring		2
25	EH15T.01.04.02	Wheel carrier		1
26	24V1.5KW	Vertical ac drive	24V1.5KW	1

2.4 Vertical AC drive operating unit (with electronic power)



Item #	Part name	Description	Specifications	Qty
1	EH15T.07	Handle assembly		1
2	GB/T70.1-2000	Hexagon socket head screw	M10×20	4
3	EB12E.5-5H	Dust cover		1
4	EH15T.01.03	Steering shaft fitting		1
5	GB/T 93-1987	Elastic washer	10×2.6	2
6	GB/T 95-2002	Flat washer	10×2	2
7	GB/T70.1-2000	Hexagon socket head screw	M8×25	4
8	GB/T 93-1987	Elastic washer	8×2.1	4
9	GB/T 95-2002	Flat washer	8×1.6	4
10		Steering sensor		1
11	EP20E-01.6	Driver assembly (electronic power)		1
12	GB/T70.3-2000	Hexagon socket head screw	M12×30	6
13	GB/T70.3-2000	Hexagon socket head screw	M8×25	4

2.5 Vertical AC drive module (with electronic power)

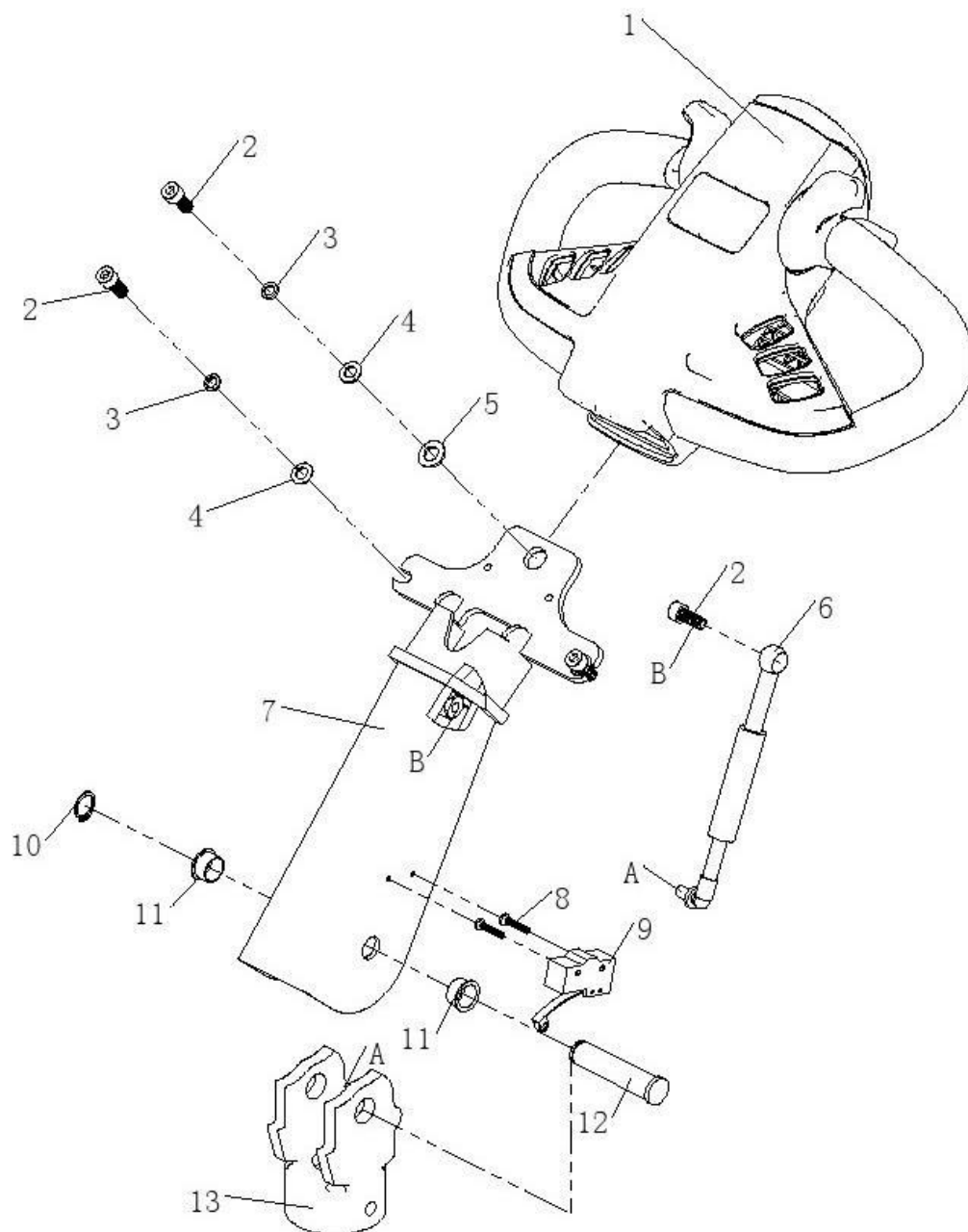


2.5 Vertical AC drive module (with electronic power)

Item number	Part name	Description	Specifications	Qty
1	GB/T 70.1-2000	Hexagon socket head screw	M8×35	2
2	EP20E-01.6.1.8	The gasket		4
3		Iron case dust ring		4
4	EP20E-01.6.1.2	On the bracket		1
5	EP20E-01.6.1.5	Guide ring (1)	30×40×4/6	2
6	EP20E-01.6.1.9	Damping spring		2
7	EP20E-01.6.1.4	The slide bar		2
8	GB 893.1-86	Spring retainer for hole	Φ40	2
9		Rubber dust seal ring	25×33×4.5/6	4
10	EP20E-01.6.1.7	Shaft sleeve		2
11	EP20E-01.6.1.6	Drive the base		1
12	EP20E-01.6.1.3	Lower bracket		1
13	EP20E-01.6.1.1	Guide ring (2)		2
14	GB/T 5783-2000	Hexagonal head bolt	M8×25	2
15	ZD-ZVZ1-BJL-001	Wheel drive		1
16	GB/T70.1-2000	Spherical nut	M14	5
17	GB/T 70.1-2000	Hexagon socket head screw	M8×45	8
18	ZD-ZV21-500-001	reducer		1
19	ZD-ZV21-ZXCL-001	Steering gear box cover		1
20	GB/T 93-1987	Elastic washer	Φ8	21
21	GB/T 70.1-2000	Hexagon socket head screw	M8×25	8
22	EP20E-01.6.4	Giant bearing		1
23	GB/T 70.1-2000	Hexagon socket head screw	M8×40	12
24	GB/T 70.1-2000	Hexagon socket head screw	M6×12	1
25	EP20E-01.6.6	The installation of		1
26	PM12-04N	Proximity switch		1
27		Steering motor		1
28	EP20E-01.6.7	Ac motor		1
29	EP20E-01.6.3	Electromagnetic brake sensor assembly		1
30	GB/T 70.1-2000	Hexagon socket head screw	M6×150	4

3. The operating system

3.1 Operating handle unit

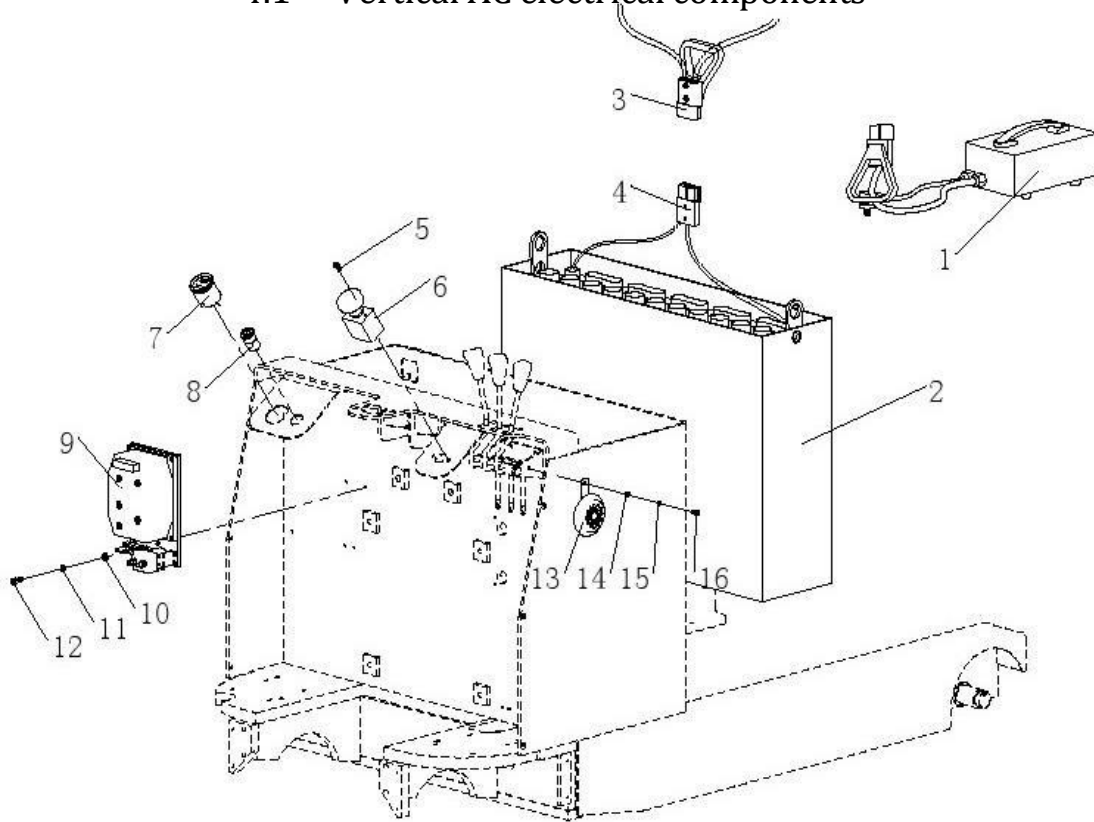


3.1 Operating handle unit

Item number	Part name	Description	Specifications	Qty
1	T606-2	DE tong handle		1
2	GB/T 70.1-2000	Hexagon socket head screw	M8×20	4
3	GB/T 93-1987	Elastic washer	Φ8	3
4	GB/T 95-2002	Flat washer	Φ8	3
5	GB/T 95-2002	Flat washer	Φ10	1
6	CL10.5.2.2/E	Air spring (for handle)		1
7	EH15T.07.01.01	Bar welding		1
8	GB/T 818-2000	Cross slotted head screw	M4×22	2
9	RZ-15DW2-83	Micro switch		1
10	GB 894.1-86	The shaft USES an elastic retainer	17	1
11	EB12E.5-1	Shoulder compound		2
12	EB12E.5-3	Handle shaft		1
13	EB12E.5-4/G	Handle joint		1

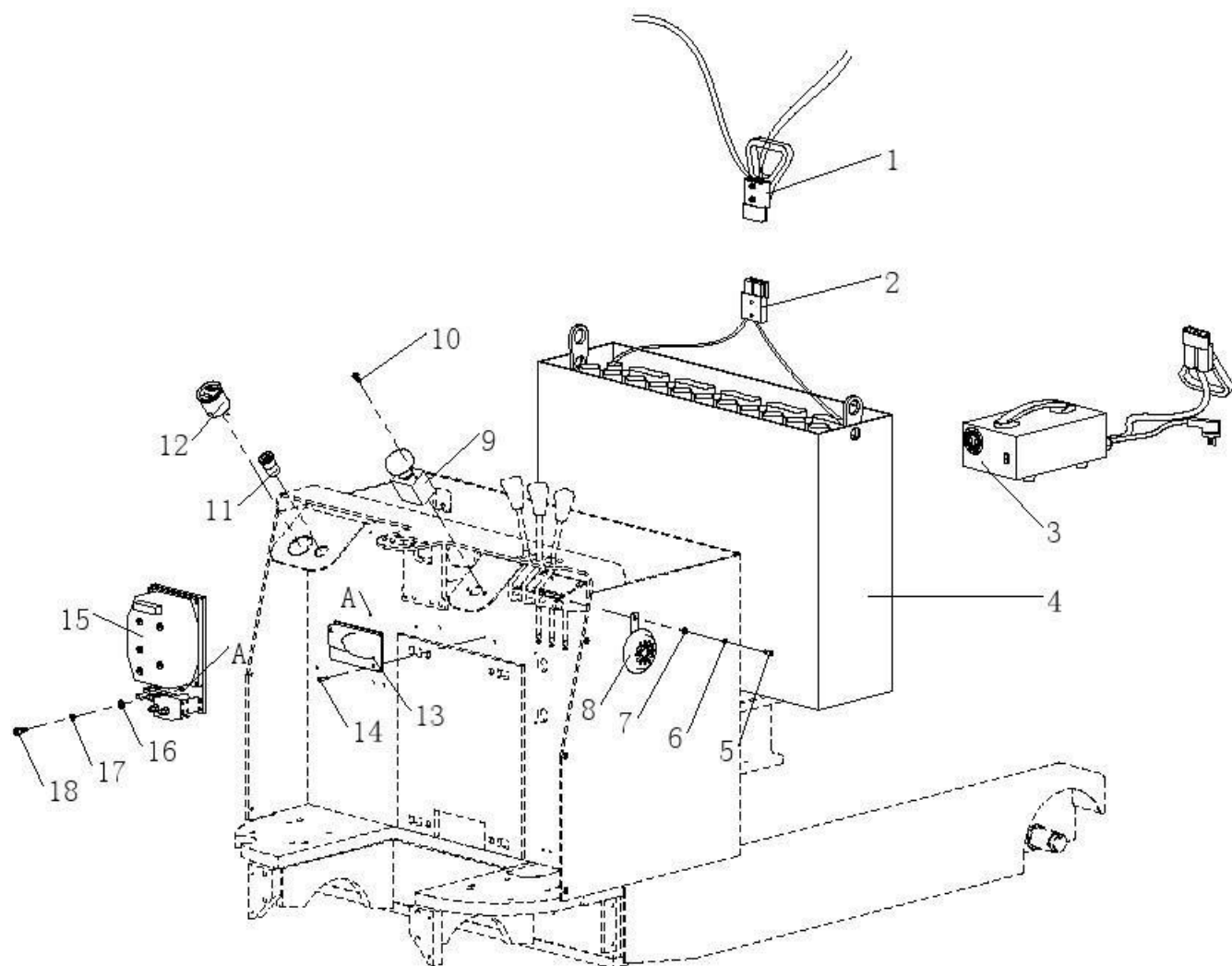
4. Electrical system

4.1 Vertical AC electrical components



Item #	Part name	Description	Specs.	Qty.
1	24V30A	The charger		1
2	EH15T.01.02	battery	24V270Ah	1
3	175A-600V	The plug		1
4	175A-600V	The socket		1
5	GB/T 818-2000	Cross slotted head screw	M6×16	2
6	ZDK31-250	The abrupt stop switch		1
7	DC24V	Electricity meter		1
8	XP125	Electric lock		1
9		Ac electronic control (Q)		1
10	GB/T 95-2002	Flat washer	8×1.6	2
11	GB/T 93-1987	Elastic washer	8×2.1	2
12	GB/T70.1-2000	Hexagon socket head screw	M8×20	2
13	DC24/Φ125	The horn		1
14	GB/T 95-2002	Flat washer	6×1.6	1
15	GB/T 93-1987	Elastic washer	6×1.6	1
16	GB/T70.1-2000	Hexagon socket head screw	M6×12	1

4.2 Vertical ac electrical components (with electronic power)



4.1 Vertical ac electrical components (with electronic power)

Item #	Part name	Description	Specifications	Qty
1	175A-600V	The plug		1
2	175A-600V	The socket		1
3	24V30A	The charger		1
4	EH15T.01.02	battery	24V270Ah	1
5	GB/T 70.1-2000	Hexagon socket head screw	M6×12	1
6	GB/T 93-1987	Elastic washer	6×1.6	1
7	GB/T 95-2002	Flat washer	6×1.6	1
8	DC24/Φ125	The horn		1
9	ZDK31-250	The abrupt stop switch		1
10	GB/T 818-2000	Cross slotted head screw	M6×16	2
11	XP125	Electric lock		1
12	DC24V	Electricity meter		1
13	DK1220-01	Steering control		1
14	GB/T 70.1-2000	Hexagon socket head screw	M4×20	2
15		Ac electronic control (with EPS)		1
16	GB/T 95-2002	Flat washer	8×1.6	2
17	GB/T 93-1987	Elastic washer	8×2.1	2
18	GB/T 70.1-2000	Hexagon socket head screw	M8×20	2

5.The hydraulic system

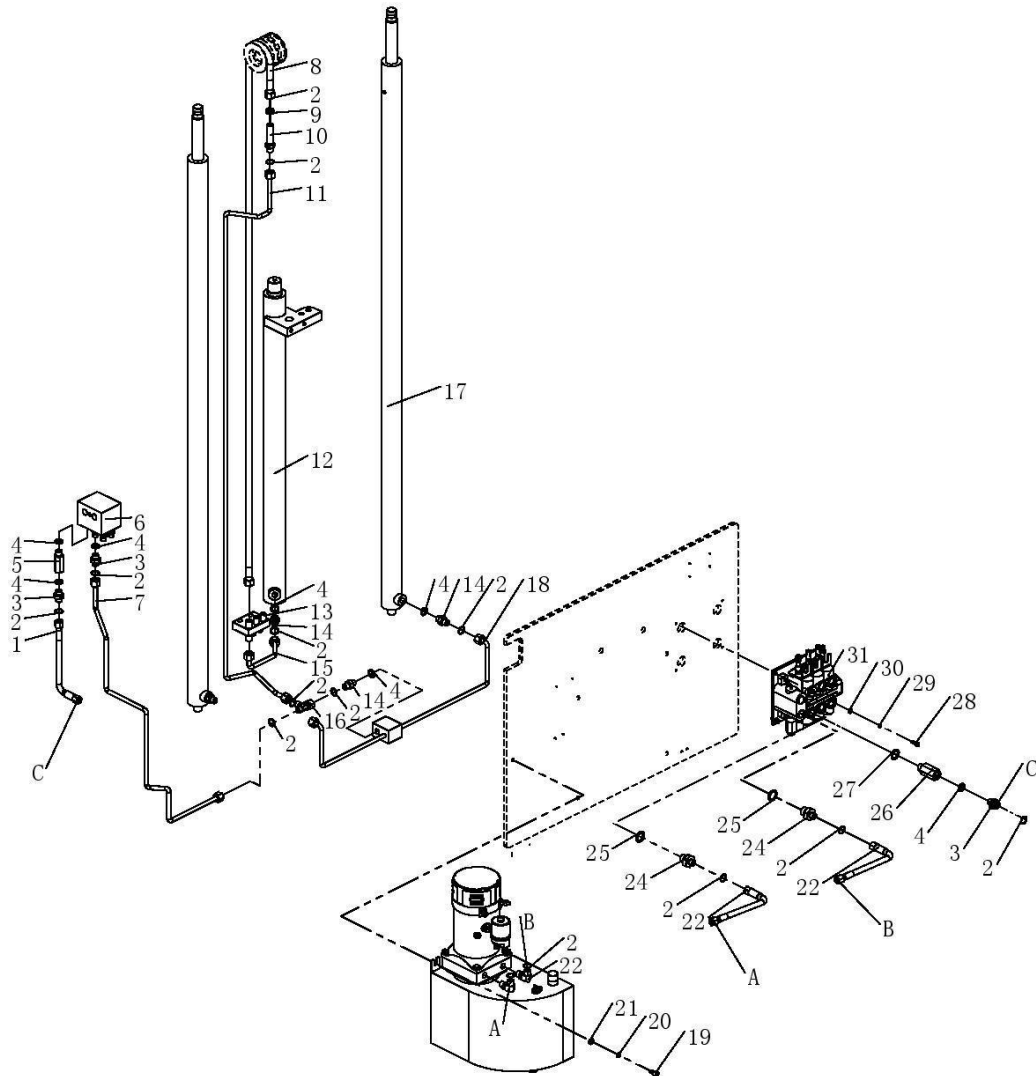
5.1 Two - stage door frame single cylinder hydraulic components

5.1 Two - stage door frame single cylinder hydraulic components

Item #	Part name	Description	Specifications	Qty
1	EH15T.02.04	Lift cylinder assembly		1
2	EH15T.08-2	Tubing bridge		1
3	GB982-77	Φ 14 composite gasket		4
4	GB892-77	Φ 10 composite gasket		4
5	EH15T.08-8	Through joint		4
6	EH15T.08-7	joint		4
7	GB 3452.1-92	O-type rubber sealing ring	8×1.8	12
8	GB 3452.1-92	O-type rubber sealing ring	6×1.8	8
9	EH15T.08-18	hose		2
10		Relief valve		1
11	EH15T.08-12	Relief valve sub		1
12	MSV04-3123-76-02	Multi-way valve		1
13	EH15T.08-17	hose		4
14	GB982-77	Φ 20 composite gasket		6
15	EH15T.08-10	Through joint		2
16	EH15T.08-9	Through joint		2
17	EH15T.08-1	joint		1
18	EB12E.4.3	Riot valve		1
19	EH15T.08-21	hose		1
20	GB982-77	Φ 22 composite gasket		2
21	EH15T.08-14	Through joint		2
22	GB/T 96.2-2002	The big washer	8×2	3
23	GB/T 93-1987	Elastic washer	8×2.1	3
24	GB/T 70.1-2000	Hexagon socket head screw	M8×16	3
25	EH15T.08-13	Right Angle adjustable joint		2
26	072-15	Pump station fitting		1
27	EH15T.08-16	hose		1
28	EH15T.08-11	Right Angle adjustable joint		2
29	EH15T.09	Front moving cylinder assembly		1
30	GB892-77	Φ 14 composite gasket		8
31	EH15T.08-5	Hollow bolt		4
32	EH15T.03-4	Inclined steel pipe (2)		1
33	EH15T.02.05.03	Tilt cylinder assembly		2
34	EH15T.03-3	Inclined steel pipe (1)		1
35	EH15T.03-5	hose		2

5.2 Three - stage full - free door frame lifting part

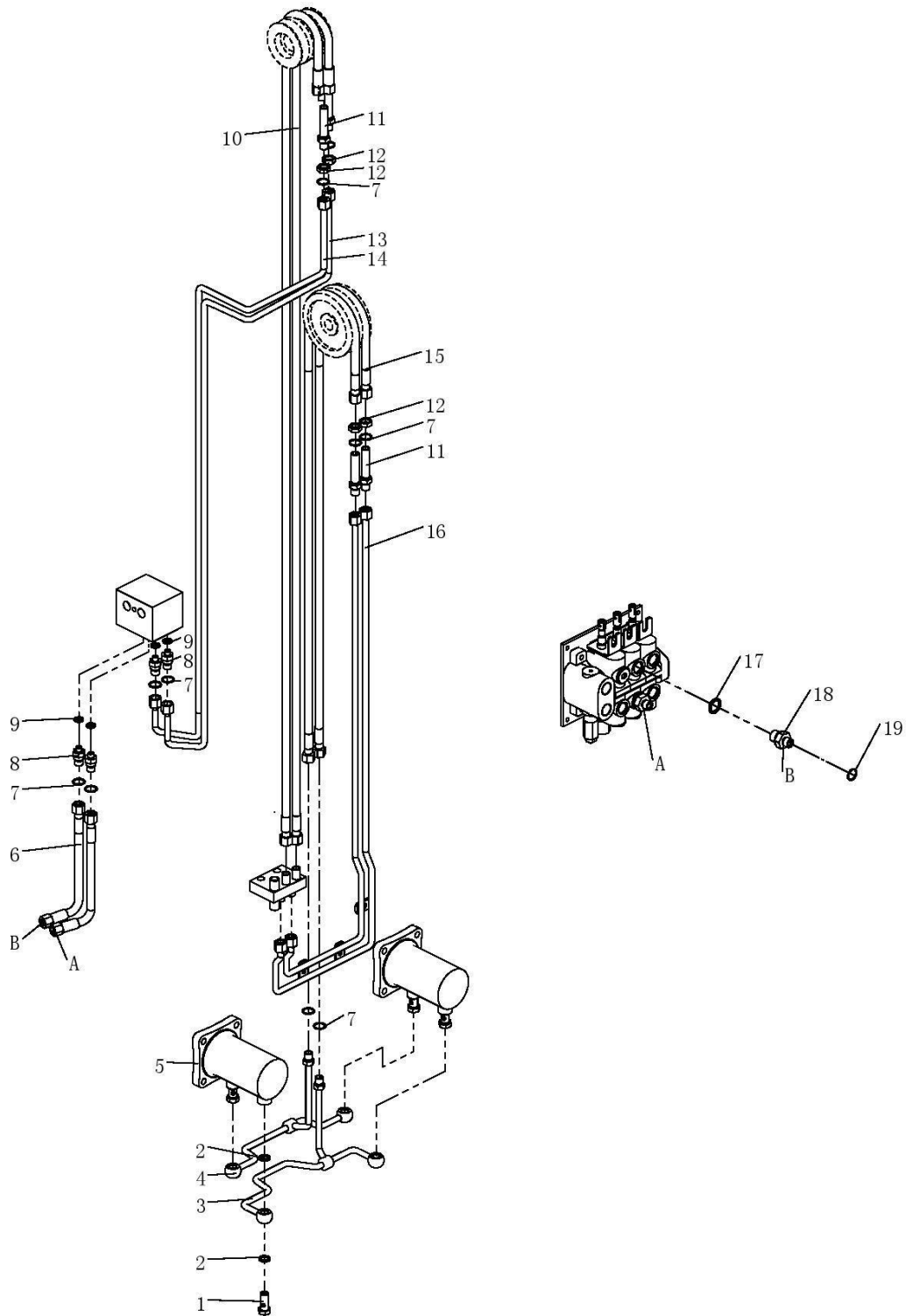
5.2.1 Three stage full free door frame lift hydraulic components



5.2.1 Three stage full free door frame lift hydraulic components

Item #	Part name	Description	Specifications	Qty
1	EH15T.08-21	hose		1
2	GB3452.1-92	O-type rubber sealing ring	8×1.8	15
3	EH15T.08-8	Through joint		3
4	GB982-77	Combination gasket	Φ16	7
5	EH15T.08-12	Relief valve housing		1
6	EH15T.01-04	Tubing bridge		1
7	EH15T.08-32	High pressure steel pipe		1
8	EH15T.08-34	hose		1
9	GB/T 6173-2000	Thin hexagonal nut thin teeth	M14	1
10	EH15T.08-40	joint		1
11	EH15T.08-33	Steel pipe		1
12	EH15T-11.5	Internal lift cylinde		1
13	EH15T.08-39	Tubing bridge		1
14	EP20D.05.1-4	Directly to the head		4
15	EH15T.08-28	Steel pipe		1
16	EH15T.08-38	Tee joint		1
17	EH15T-11.6	External lift cylinder		2
18	EH15T.08-31	Steel pipe		1
19	GB/T 70.1-2000	Hexagon socket head screw	M8×16	3
20	GB/T 93-1987	Elastic washer	Φ8	3
21	GB/T 95-2002	Flat washer	Φ8	3
22	EH15T.08-13	Right Angle adjustable joint		2
23	EH15T.08-17	hose		2
24	EH15T.08-14	Through joint		2
25	GB982-77	Combination gasket	Φ22	2
26	EH15T.08-1	Joint (Q relief valve housing)		1
27	GB982-77	Combination gasket	Φ20	1
28	GB/T 70.1-2000	Hexagon socket head screw	M6×20	4
29	GB/T 93-1987	Elastic washer	Φ6	4
30	GB/T 95-2002	Flat washer	Φ6	4
31	MSV04-3123-76-0 2	Multi-way valve		1

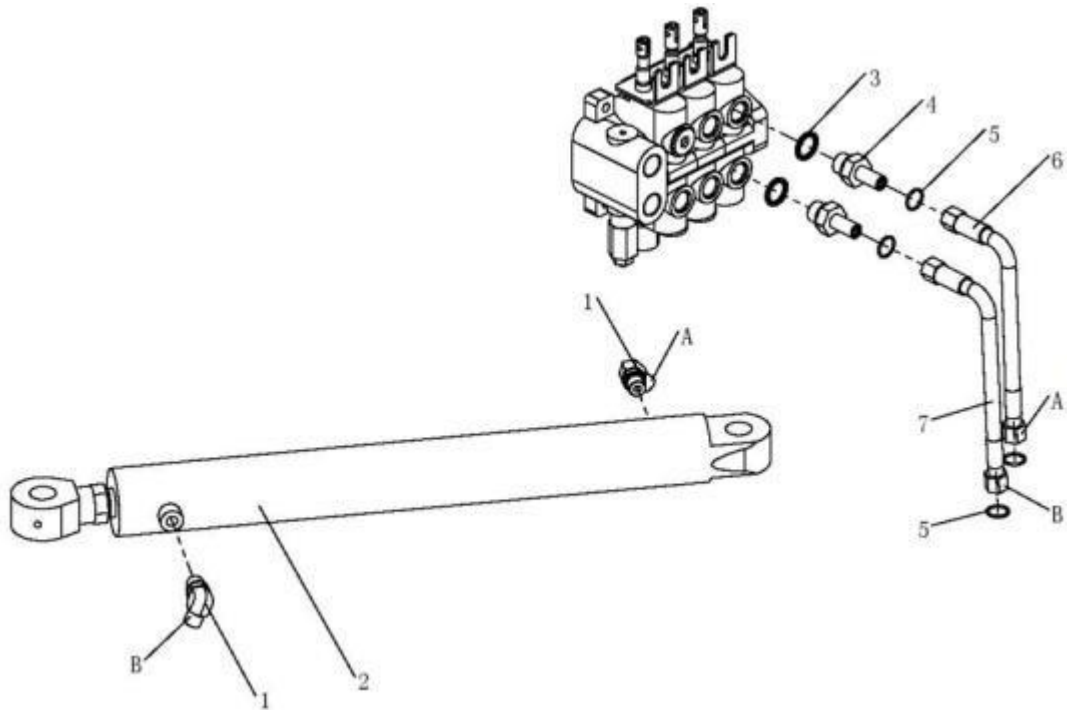
5.2.2 Full free door frame tilting hydraulic component



5.2.2 Full free door frame tilting hydraulic component

Item #	Part name	Description	Specifications	Qty
1	EH15T.08-5	Hollow bolt		4
2	GB982-77	Combination gasket	Φ14	8
3	EH15T.08-27	Inclined steel pipe (2)		1
4	EH15T.08-26	Inclined steel pipe (1)		1
5	EH15T.02.05.03	Inclined oil cylinder		2
6	EH15T.08-18	hose		5
7	GB 3452.1-92	O-type rubber sealing ring	6×1.8	10
8	EH15T.08-7	Through joint		4
9	GB982-77	Combination gasket	Φ10	4
10	EH15T.08-35	hose		2
11	EH15T-02.5.7	joint		4
12	GB/T 6173-2000	Thin hexagonal nut thin teeth	M14	4
13	EH15T.08-29	High pressure steel pipe		1
14	EH15T.08-30	High pressure steel pipe		1
15	EH15T.08-37	hose		2
16	EH15T.08-36	The tubing		1
17	GB982-77	Combination gasket	Φ20	2
18	EH15T.08-10	Through joint		2
19	GB 3452.1-92	O-type rubber sealing ring	8×1.8	2

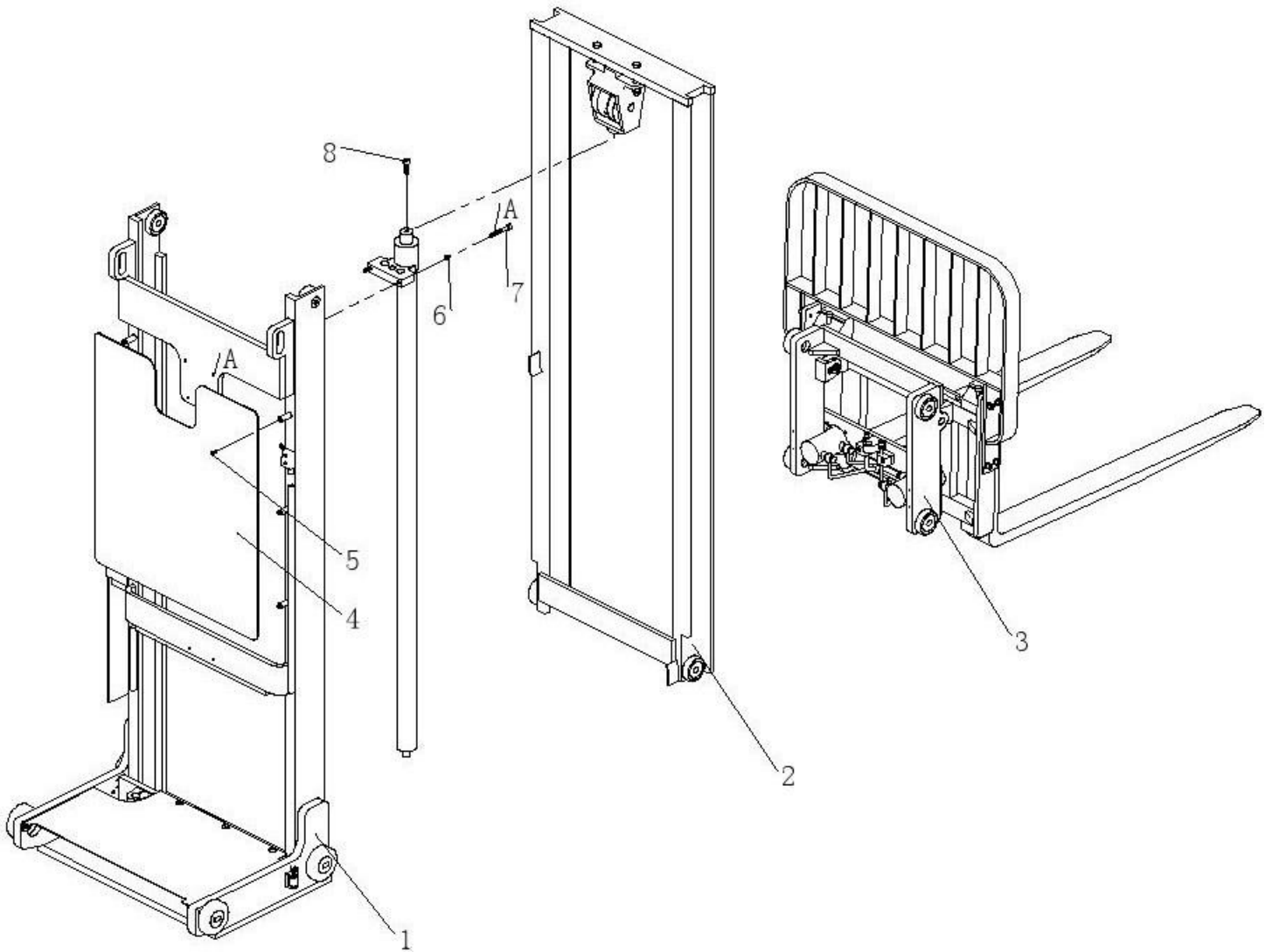
5.2.3 Three stage full free door frame forward moving hydraulic component



Item #	Part name	Description	Specifications	Qty
1	EH15T.08-11	Right Angle adjustable joint		2
2	EH15T.09	Forward oil cylinder		1
3	GB982-77	Combination gasket	$\Phi 20$	2
4	EH15T.08-9	Through joint		2
5	GB 3452.1-92	O-type rubber sealing ring	8×1.8	4
6	EH15T.08-17	hose		1
7	EH15T.08-16	hose		1

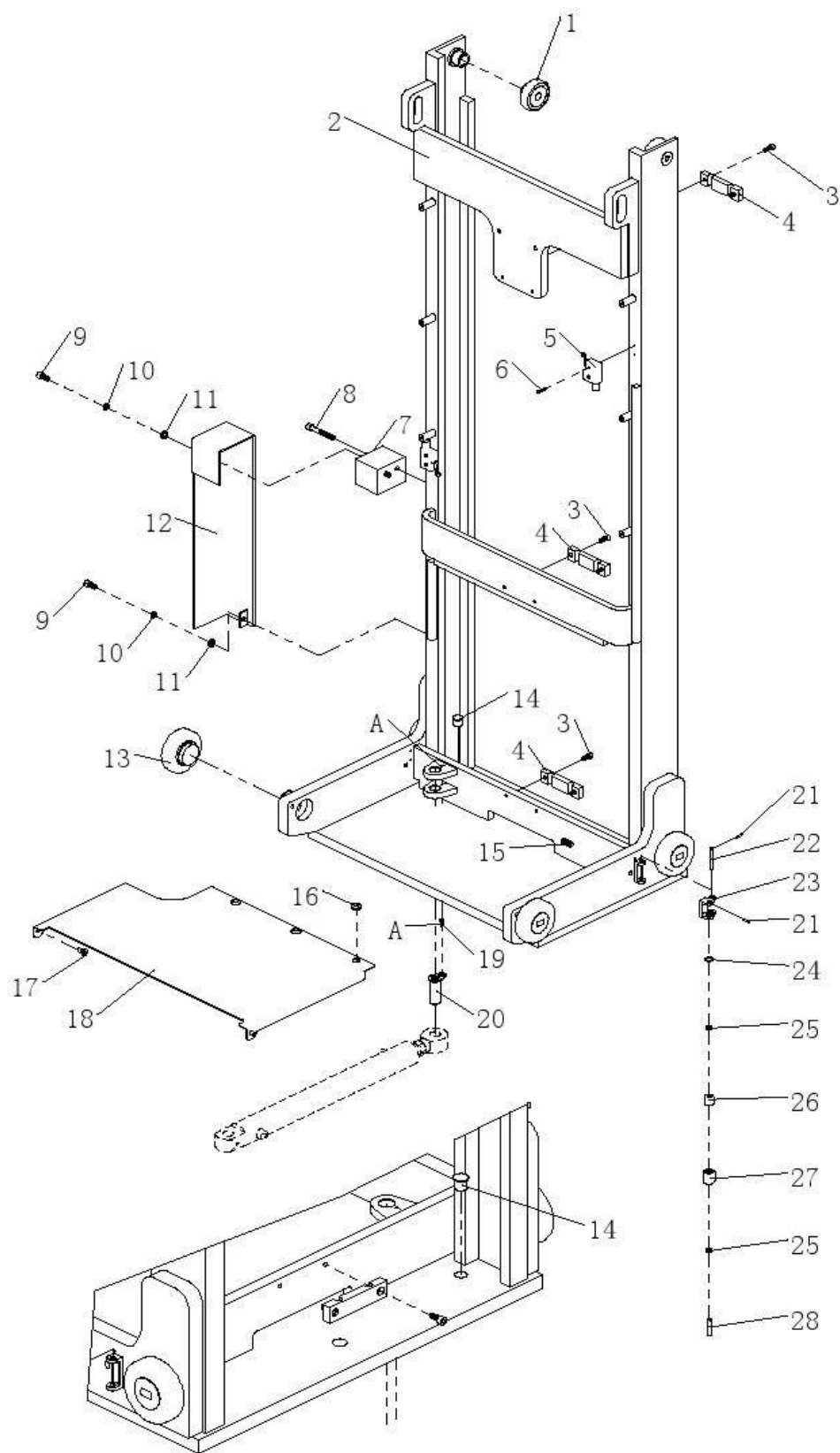
6. Lifting system

6.1 Second stage door frame single cylinder door frame body part



Item #	Part name	Description	Specifications	Qty
1	EH15T.02.01	Outside door fitting		1
2	EH15T.02.02	Inner door frame fitting		1
3	EH15T.02.05	Slide joint		1
4	EH15T.02-5	Glass shield		1
5	GB/T 818-2000	Cross slotted head screw	M6×16	6
6	GB/T 93-1987	Elastic washer	10×2.6	2
7	GB/T70.1-2000	Hexagon socket head screw	M10×75	2
8	GB/T70.1-2000	Hexagon socket head screw	M12×35	1

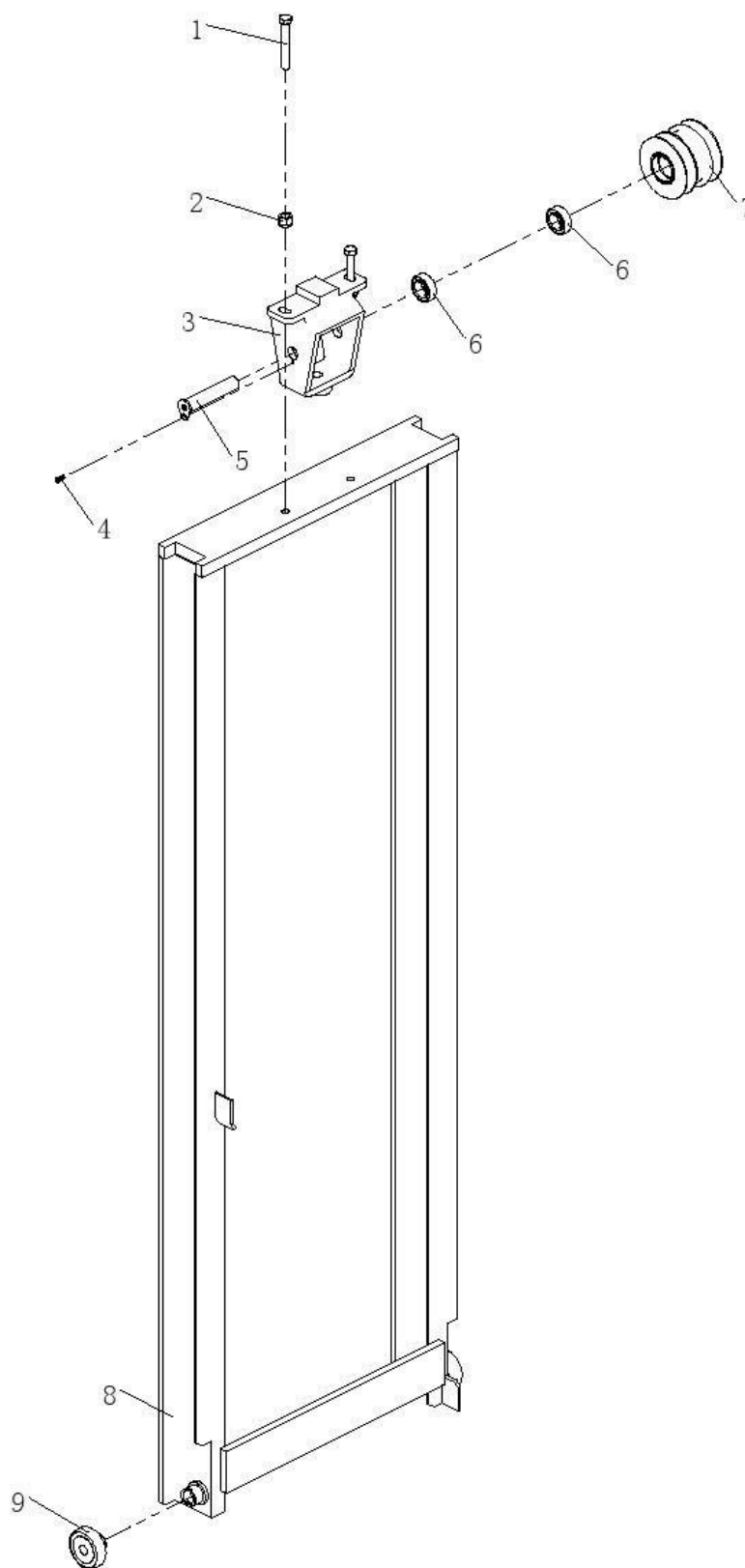
6.1.1 Outside portal frame assembly



6.1.1 Outside portal frame assembly

Item #	Part name	Description	Specifications	Qty
1	CRA78.3-12S	Adjustable combination roller		2
2	EH15T.02.01.01	Outside frame welding		1
3	GB/T 70.1-2000	Hexagon socket head screw	M8×20	6
4	EH15T.02.01-2	Tubing clamps		3
5	RZ-15GW2S-B3	Micro switch		2
6	GB/T 818-2000	Cross slotted head screw	M4×25	4
7	EH15T.08-2	Tubing bridge		1
8	GB/T 70.1-2000	Hexagon socket head screw	M10×75	2
9	GB/T 70.1-2000	Hexagon socket head screw	M10×20	2
10	GB/T 93-1987	Elastic washer	10×2.6	2
11	GB/T 95-2002	Flat washer	10×2	2
12	EH15T.06.01.03	Cover shell		1
13	CBA109.5-1TS	Composite roller		4
14	EH15T.06.01-7	Shock absorption column		2
15	GB/T 77-2000	Hexagon socket set screw	M12×25	2
16	EH15T.06.01-6	Anti-shock pad		3
17	GB 2674-86	Hexagon socket head set screw	M10×20	2
18	EH15T.02.01-3	Cover plate		1
19	GB 2674-86	Hexagon socket head set screw	M6×16	1
20	EH15T.06.04.04	Pin shaft fitting (1)		1
21	GB/T 879.2-2000	Elastic cylindrical pin	3×20	4
22	EH15T.06.01.02-3	Pendulum shaft		2
23	EH15T.06.01.02-1	The arm		2
24	GB 893.1-86	Spring retainer for hole	22	2
25	EH15T.06.01.02-5	spacer		4
26	GB/T5801-1994	Needle roller bearing	NK110/20	2
27	EH15T.06.01.02-2	roller		2
28	EH15T.06.01.02-4	Roller shaft		2

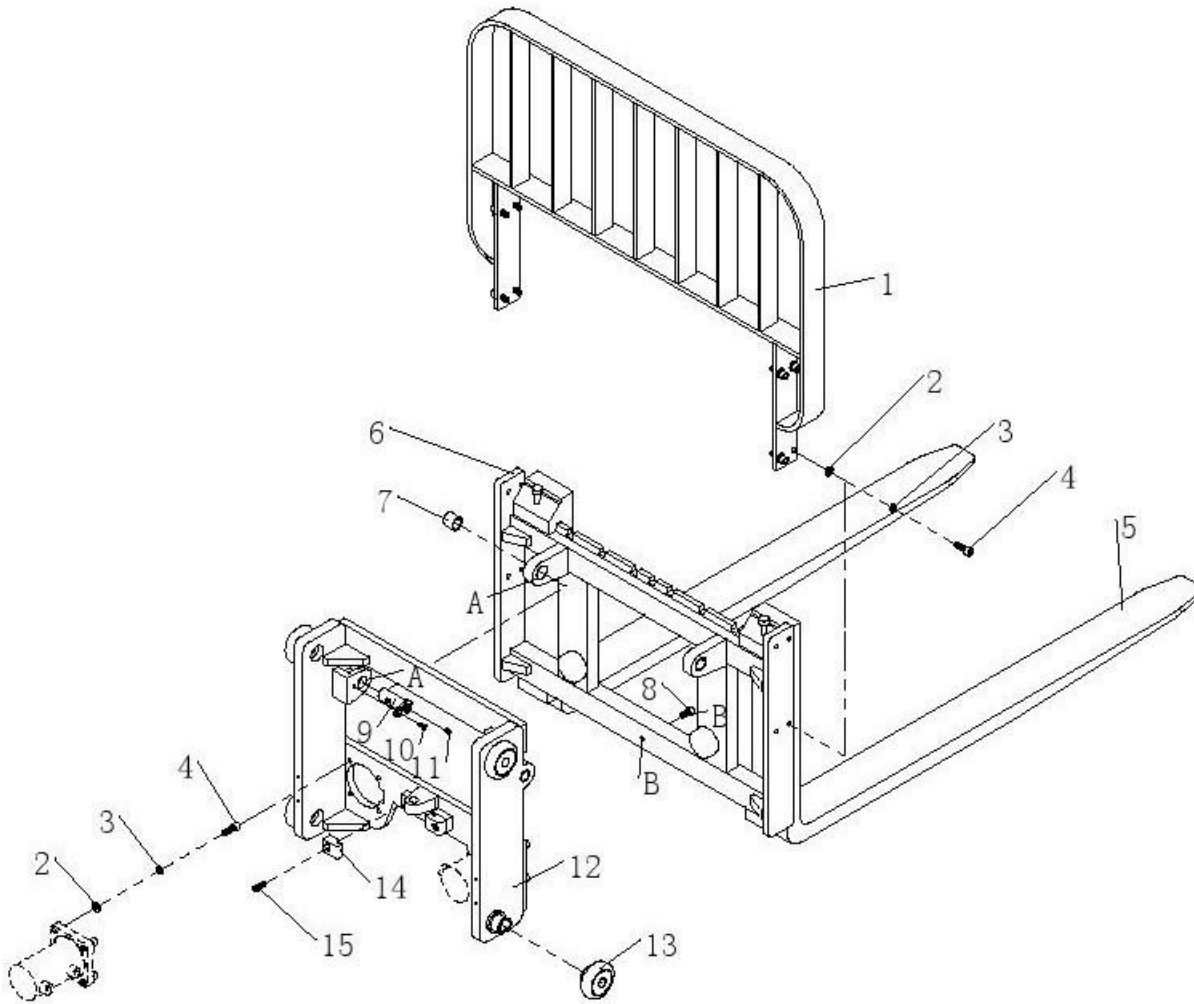
6.1.2 Interior door frame assembly



6.1.2 Interior door frame assembly

Item #	Part name	Description	Specifications	Qty
1	GB/T 5782-2000	Hexagonal head bolt	M14×100	2
2	GB/T 889.1-2000	Hexagonal lock nut	M16	2
3	EH15T.02.02-4	Sprocket wheel seat		1
4	GB 2674-86	Hexagon socket head set screw	M6×16	1
5	EH15T.02.02.03	Pin shaft welded		1
6	GB/T 276-94	Deep groove ball bearing	6205-2Z	2
7	EH15T.02.02.02-1	sprocket		1
8	EH15T.02.02.01	The inner door frame is welded		1
9	CRA78.3-12S	Adjustable combination roller		2

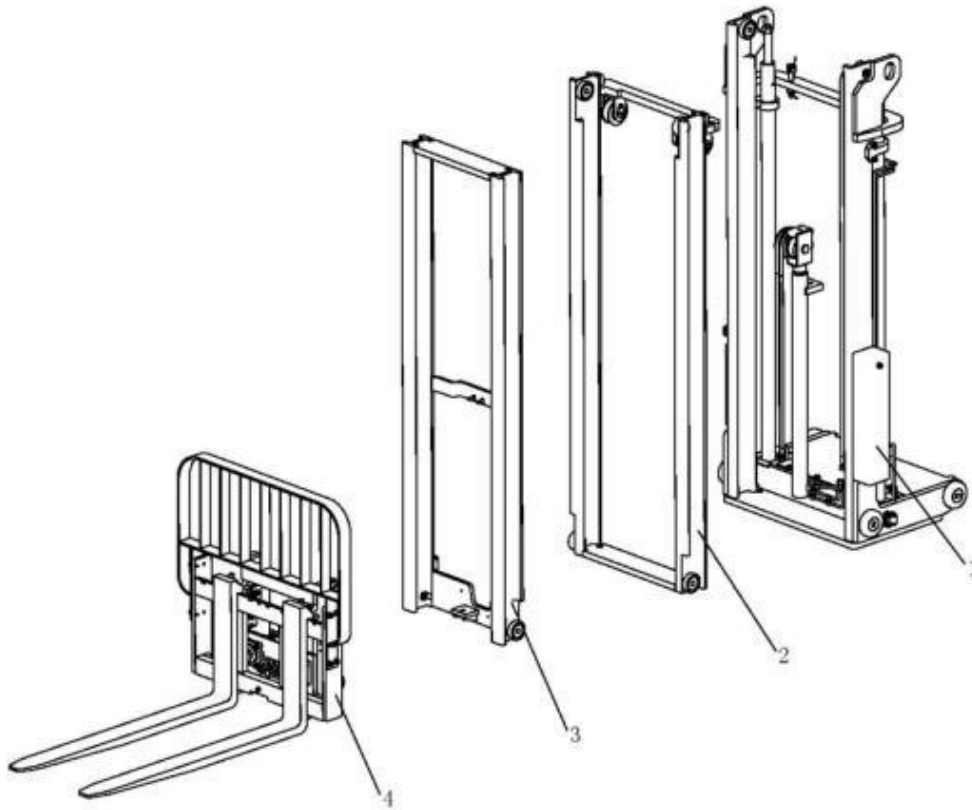
6.1.3 Carriage components



Item #	Part name	Description	Specifications	Qty
1	EH15T.06.04.01	Backrest fitting		1
2	GB/T 95-2002	Flat washer	10×2	16
3	GB/T 93-1987	Elastic washer	10×2.6	16
4	GB/T 70.1-2000	Hexagon socket head screw	M10×30	16
5	EH15T.06.04-5	Fork (new)		2
6	EH15T.02.05.02	Fork weld		1
7		Composite set	Φ1.14×Φ1×1	2
8	GB/T 70.1-2000	Hexagon socket head screw	M10×20	1
9	EH15T.06.04.04	Pin shaft fitting (1))		2
10	GB 2674-86	Hexagon socket head set screw	M6×16	2
11	JB/T 7940.1-1995	Straight through type oil filling cup	M6	2
12	EH15T.02.05.01	Cargo fork and wheel assembly		1
13	CRA78.3-12S	Composite roller		4
14	EH15T.02.05.01-2	Tubing clamps		2

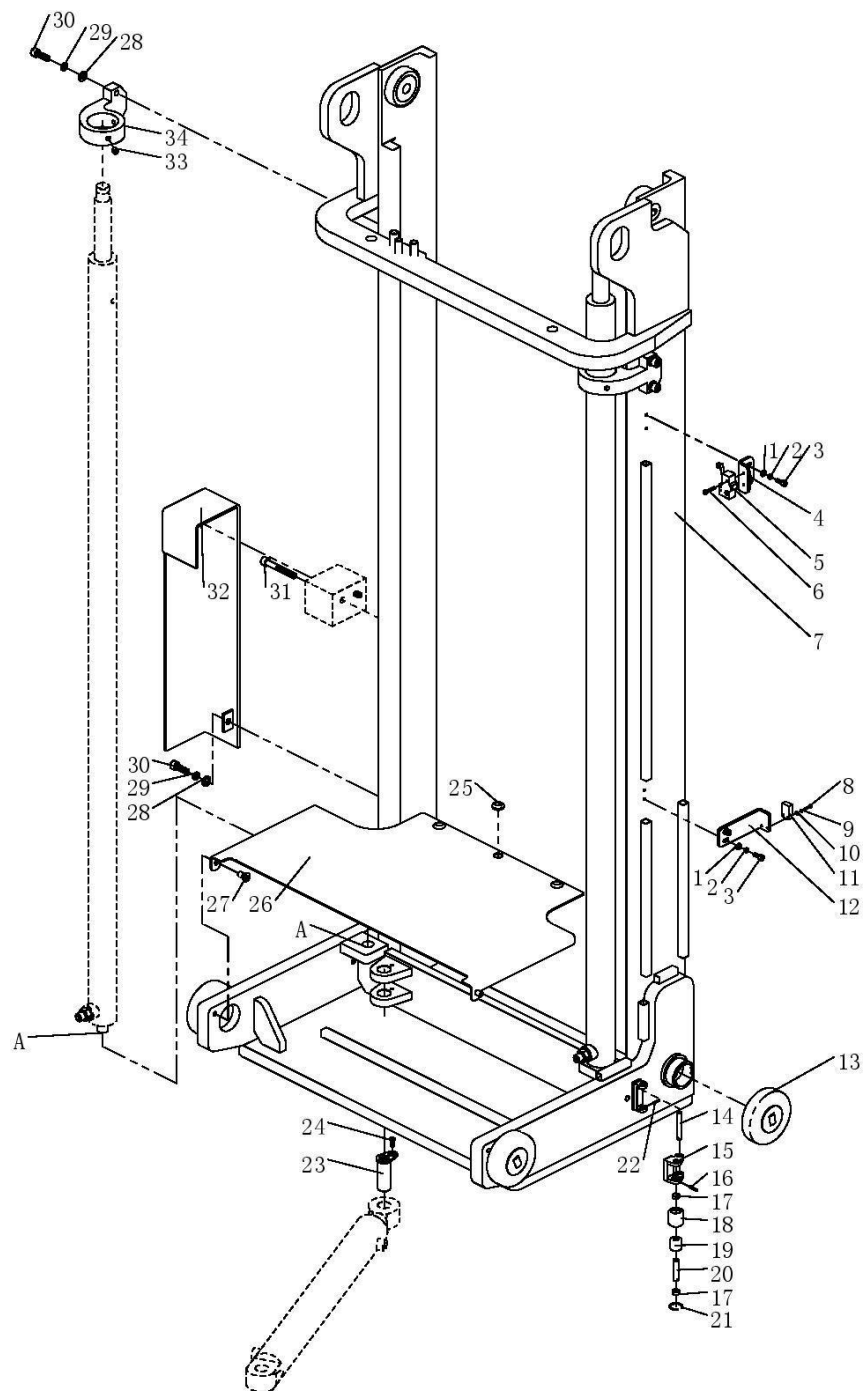
15	GB/T 70.1-2000	Hexagon socket head screw	M8×20	2
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6.2 All free door frame part 3



Item #	Part name	Description	Specifications	Qty
1	EH15T-11.1	External door frame assembly (new)		1
2	EH15T-11.2	Middle portal frame assembly		1
3	EH15T-11.3	Interior door frame assembly		1
4	EH15T-11.4	Sliding body assembly		1

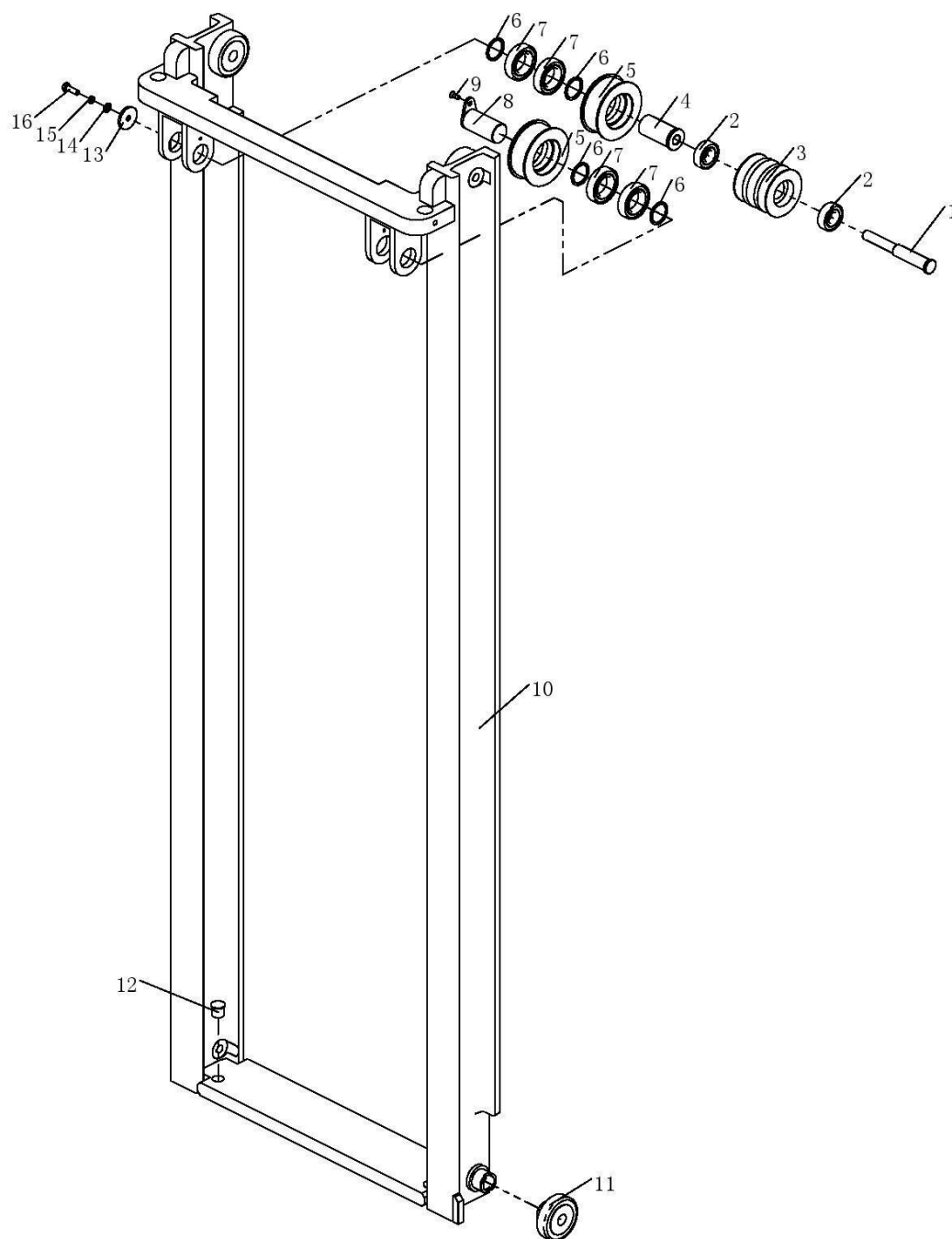
6.2.1 Outside portal frame assembly



6.2.1 Outside portal frame assembly

Item #	Part name	Description	Specifications	Qty
1	GB/T 95-2002	Flat washer	Φ6	4
2	GB/T 93-1987	Elastic washer	Φ6	4
3	GB/T 70.1-2000	Hexagon socket head screw	M6×16	4
4	EH15T-11.1.4	Micro switch board		1
5	RZ-15GW2S-B3	Micro switch		1
6	GB/T 818-2000	Cross slotted head screw	M4×25	2
7	EH15T-11.1.1	Outside frame welding		1
8	GB/T 818-2000	Cross slotted head screw	M3×16	2
9	GB/T 93-1987	Elastic washer	Φ3	2
10	GB/T 95-2002	Flat washer	Φ3	2
11	CLJF20-05FA	Proximity switch		1
12	EH15T-11.1.3	Proximity switch board		1
13	CBA109.5-1TS	Composite roller		4
14	EH15T.06.01.02-3	Pendulum shaft		2
15	EH15T.06.01.02-1	The arm		2
16	T879. 2-2000	Elastic cylindrical pin	3×20	2
17	EH15T.06.01.02-5	spacer		4
18	EH15T.06.01.02-2	roller		2
19	GB / T5801-1994	Needle roller bearing	NKI10/20	2
20	EH15T.06.01.02-4	Roller shaft		2
21	GB / T895. 1	Hole with steel wire retaining ring	Φ22	2
22	GB / T879. 2-2000	Elastic cylindrical pin	2. 5×18	2
23	EH15T.06.04.04-1	pin		1
24	GB 2674-86	Hexagon socket head set screw	M6×16	1
25	EH15T.06.01-6	Anti-shock pad		3
26	EH15T-11.1.2	Cover plate		1
27	GB 2674-86	Hexagon socket head set screw	M10×20	2
28	GB/T 95-2002	Flat washer	Φ10	5
29	GB/T 93-1987	Elastic washer	Φ10	6
30	GB/T 70.1-2000	Hexagon socket head screw	M10×30	5
31	GB/T 70.1-2000	Hexagon socket head screw	M10×75	2
32	EH15T.06.01.03-1	Cover shell		1
33	GB/T 77-2000	Hexagon socket set screw	M10×10	6
34	EH15T-11.1.5	Cylinder mounting		2

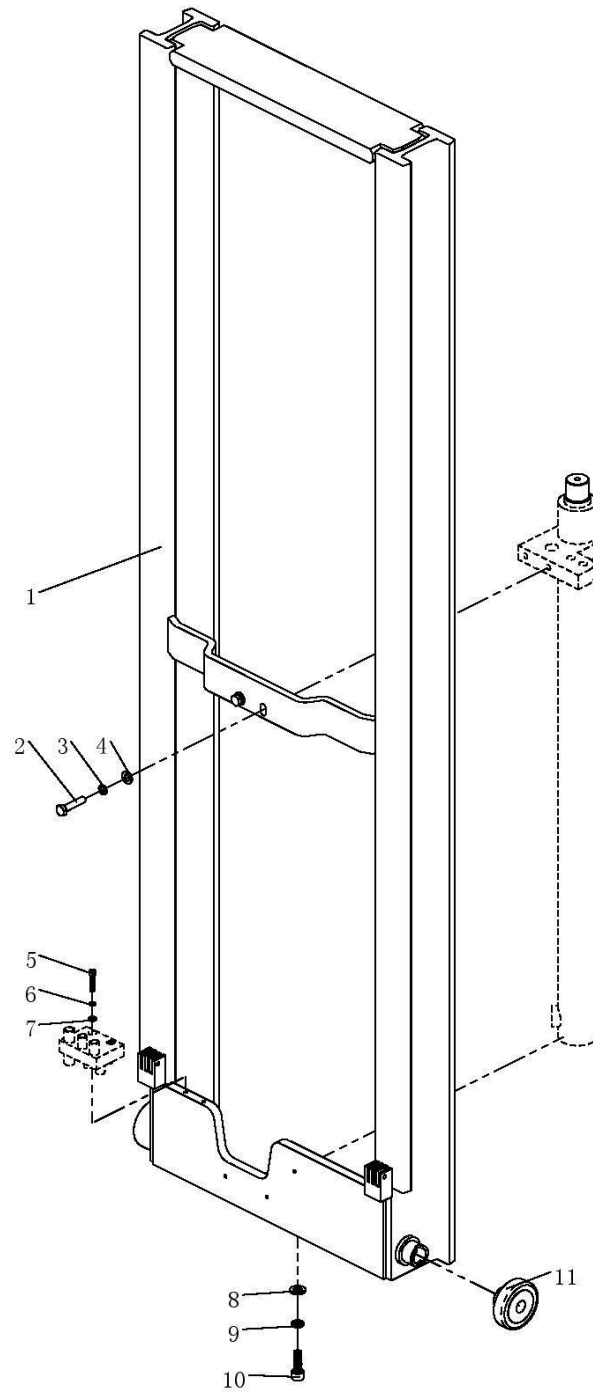
6.2.2 Middle portal frame assembly



6.2.2 Middle portal frame assembly

Item #	Part name	Description	Specifications	Qty
1	EH15T-11.2.4	pin		1
2	GB/T 276-94	Deep groove ball bearing	6204-2Z	2
3	EH15T-11.2.6	Tubing pulley (2)		1
4	EH15T-11.2.3	Sprocket shaft		1
5	EH15T.06.02.03-1	sprocket		2
6	EH15T.06.02-5	The gasket		4
7	GB/T 276-94	Deep groove ball bearing	6007-2Z	4
8	EH15T-11.2.2	Sprocket shaft welding		1
9	GB 2674-86	Hexagon socket head set screw	M6×16	1
10	EH15T-11.2.1	Mid - door frame weld piece		1
11	CRA78.3-12S	Adjustable combination roller		4
12	EH15T.06.01-7	Shock absorption column		2
13	EH15T-11.2.5	gasket		1
14	GB/T 95-2002	Flat washer	Φ8	1
15	GB/T 93-1987	Elastic washer	Φ8	1
16	GB/T 5781-2000	Hexagonal head bolt	M8×25	1

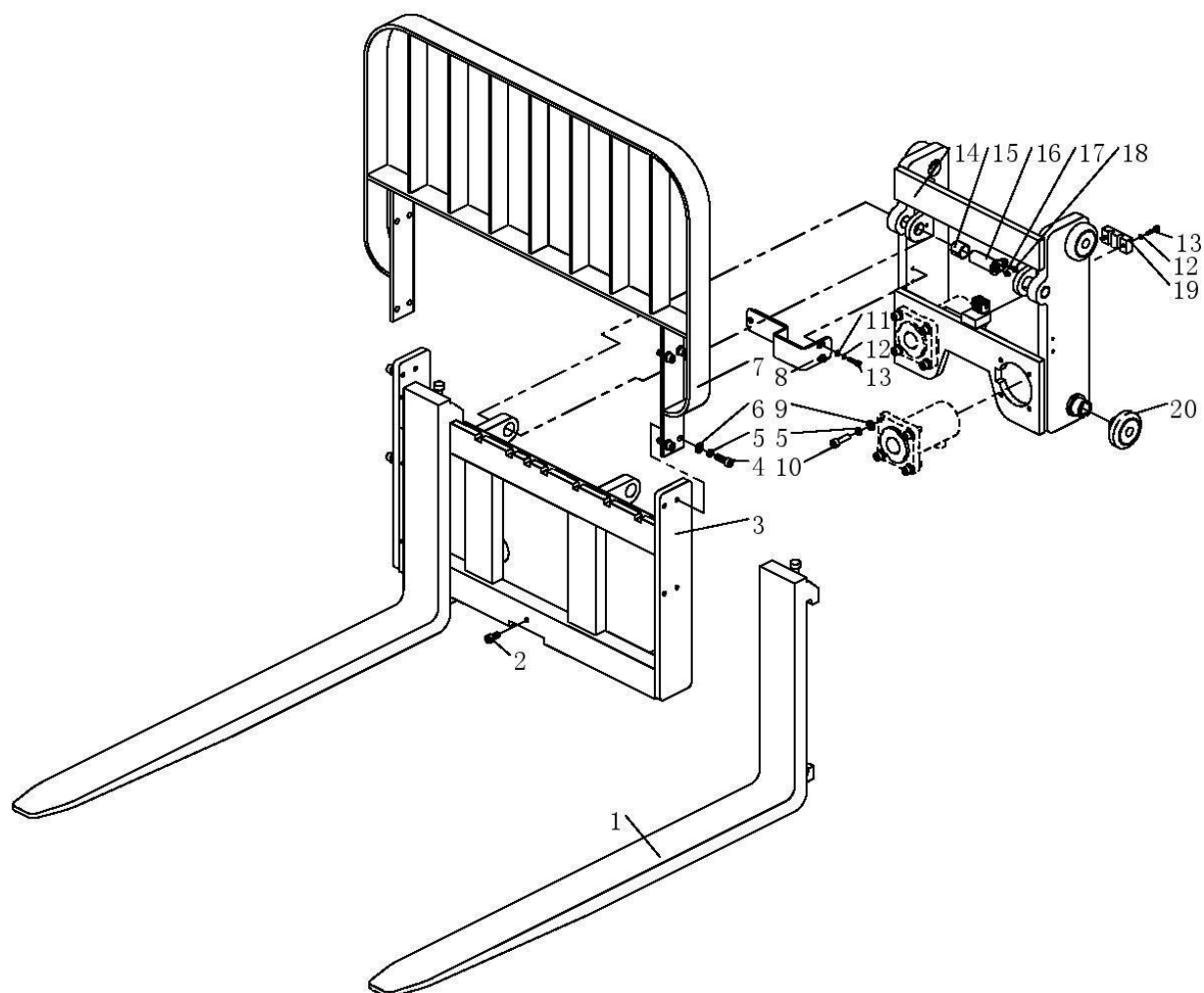
6.2.3 Interior door frame assembly



6.2.3 Interior door frame assembly

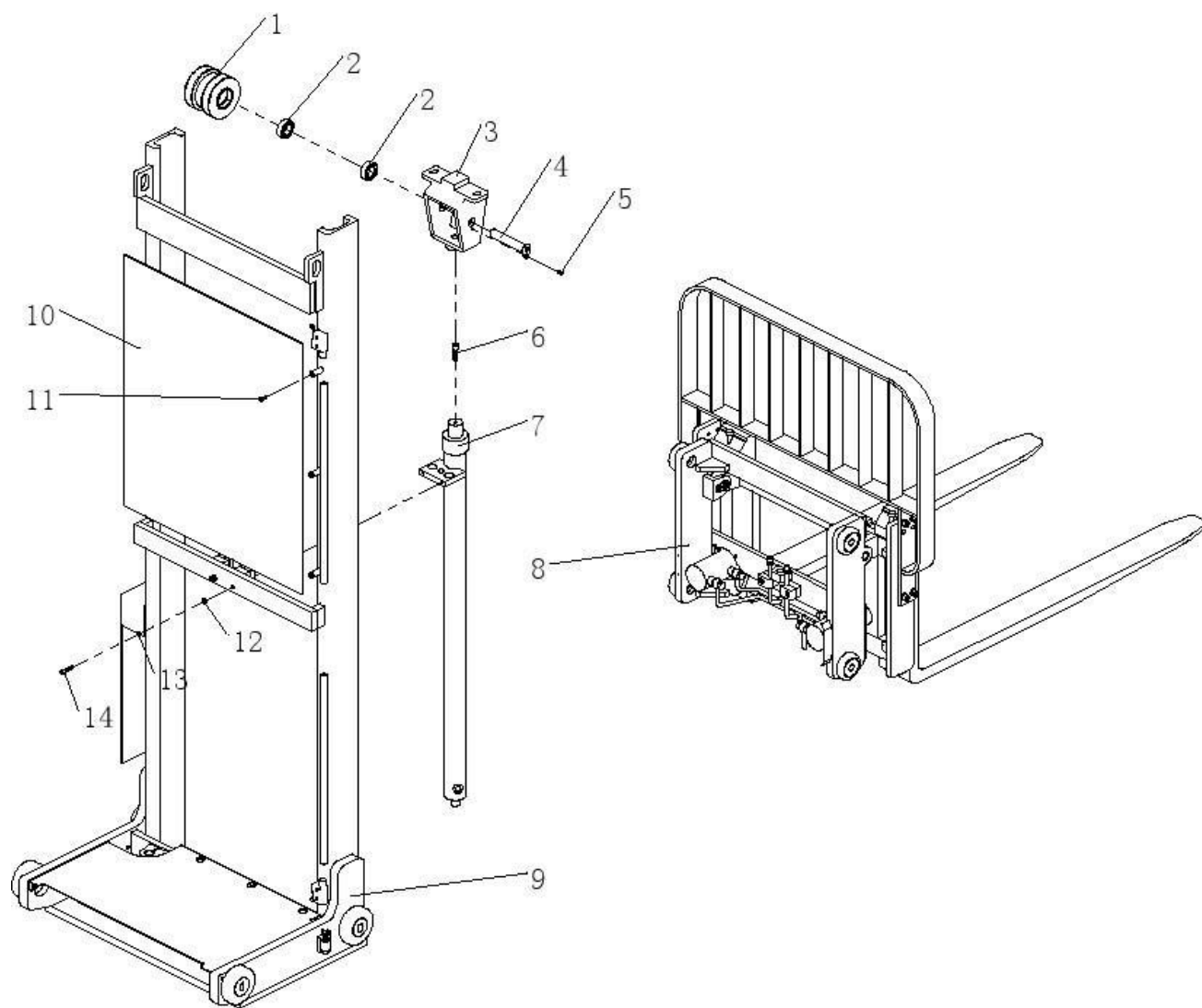
Item #	Part name	Description	Specifications	Qty
1	EH15T-11.3.1	The inner door frame is welded		1
2	GB / T5781-2000	Hexagonal head bolt	M10×45	2
3	GB/T 93-1987	Elastic washer	Φ10	2
4	GB/T 95-2002	Flat washer	Φ10	2
5	GB/T 70.1-2000	Hexagon socket head screw	M6×30	2
6	GB/T 93-1987	Elastic washer	Φ6	2
7	GB/T 95-2002	Flat washer	Φ6	2
8	GB/T 95-2002	Flat washer	Φ12	1
9	GB/T 93-1987	Elastic washer	Φ12	1
10	GB/T 70.1-2000	Hexagon socket head screw	M12×35	1
11	CRA78.3-12S	Adjustable combination roller		2

6.2.4 Carriage components



Item #	Part name	Description	Specifications	Qty
1	EH15T.06.04-5	Pallet fork		2
2	GB/T 70.1-2000	Hexagon socket head screw	M10×20	1
3	EH15T.06.04.02	Cargo fork support welded joint		1
4	GB/T 70.1-2000	Hexagon socket head screw	M10×30	8
5	GB/T 93-1987	Elastic washer	Φ10	16
6	GB/T 95-2002	Flat washer		8
7	EH15T.06.04.01	Backrest welded		1
8	EH15T-11.4.1.3.1	Mode switch board		1
9	GB/T 95-2002	Flat washer	Φ10	8
10	GB/T 70.1-2000	Hexagon socket head screw	M10×35	8
11	GB/T 95-2002	Flat washer	Φ6	4
12	GB/T 93-1987	Elastic washer	Φ6	4
13	GB/T 70.1-2000	Hexagon socket head screw	M6×25	4
14	EH15T.06.04.03.01	Cargo fork wheel bracket welding		1
15		Composite set	Φ29×Φ25×25	2
16	EH15T.06.04.04	Pin shaft welded		2
17	JB/T 7940.1-1995	Straight through type oil filling cup	M6	2
18	GB 2674-86	Hexagon socket head set screw	M6×16	2
19	EH15T-11.4.1.2	Tubing clamps		1
20	CRA78.3-12S	Adjustable combination roller		4

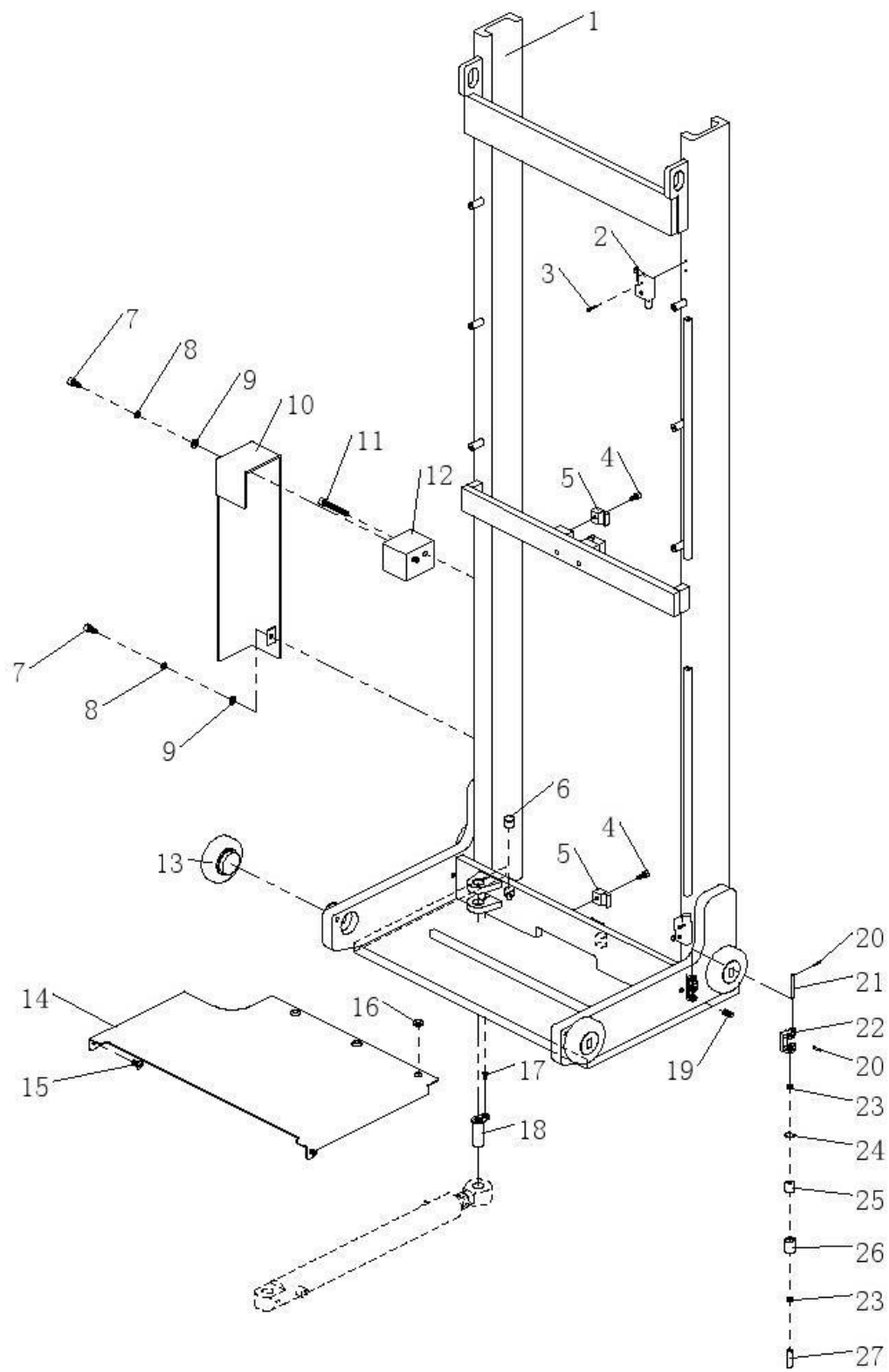
6.3 Single door frame part



6.3 Single door frame part

Item #	Part name	Description	Specifications	Qty
1	EH15T.02.02.02-1	sprocket		1
2	GB/T 276-94	Deep groove ball bearing	6205-2Z	2
3	EH15T.02.02-4	Sprocket wheel seat		1
4	EH15T.02.02.03	Pin shaft welded		1
5	GB 2674-86	Hexagon socket head set screw	M6×16	1
6	GB/T 70.1-2000	Hexagon socket head screw	M12×35	1
7	EH15T.02.03	Lift cylinder assembly		1
8	EH15T.02.02	Carriage components		1
9	EH15T.02.01	Single portal frame assembly		1
10	EH15T.02-4	Glass shield		1
11	GB/T 818-2000	Cross slotted head screw	M6×16	6
12	GB/T 95-2002	Flat washer	8×1.6	2
13	GB/T 93-1987	Elastic washer	8×2.1	2
14	GB/T 70.1-2000	Hexagon socket head screw	M8×35	2

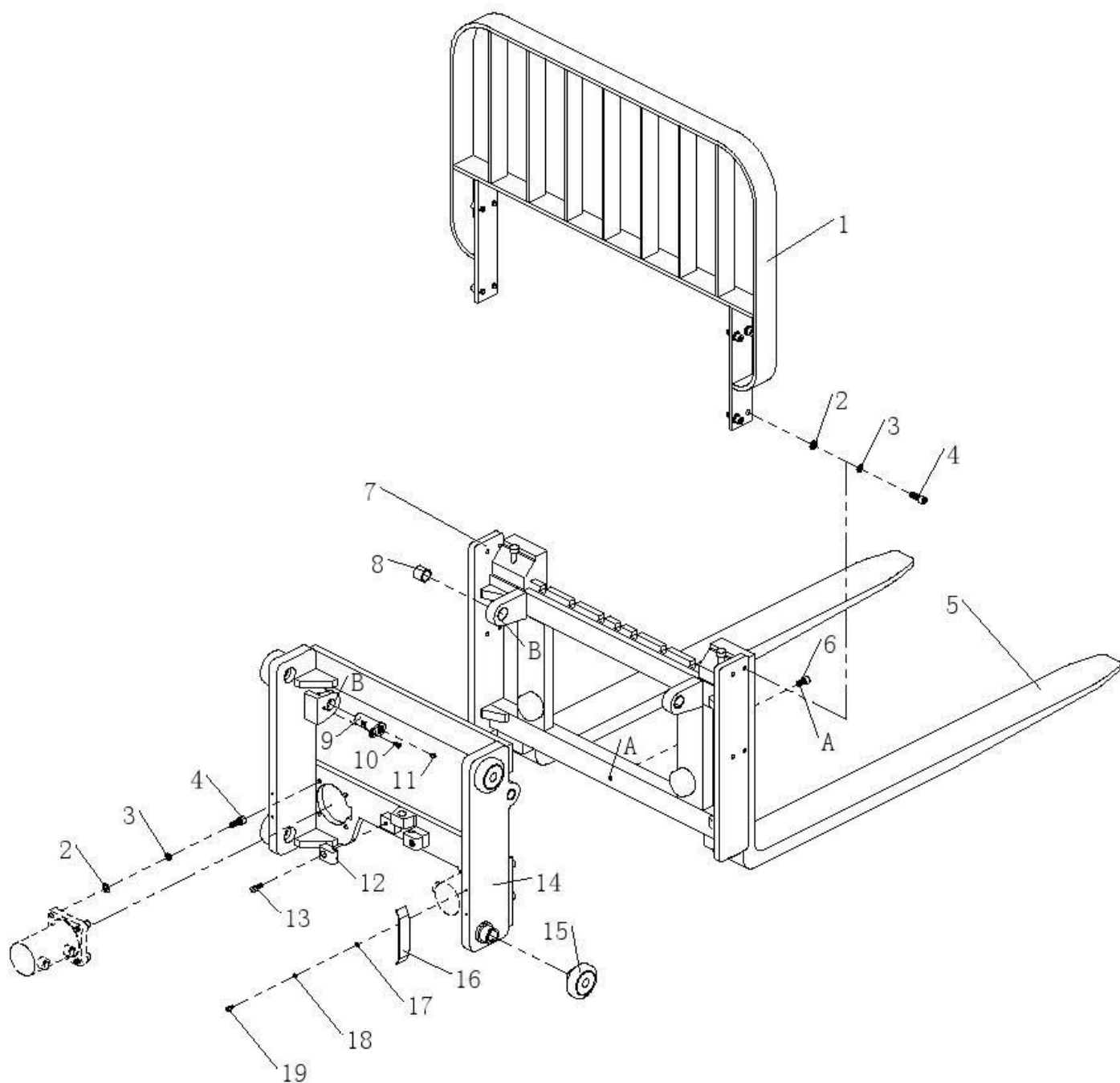
6.3.1 Single portal frame assembly



6.3.1 Single portal frame assembly

Item #	Part name	Description	Specifications	Qty
1	EH15T.02.01.01	Outer door frame weld assembly		1
2	RZ-15GW2S-B3	Micro switch		2
3	GB/T 818-2000	Cross slotted head screw	M4×25	4
4	GB/T 70.1-2000	Hexagon socket head screw	M8×20	4
5	EH15T.02.03.01-2	Tubing clamps		4
6	EH15T.06.01-7	Shock absorption column		2
7	GB/T 70.1-2000	Hexagon socket head screw	M10×20	2
8	GB/T 93-1987	Elastic washer	10×2.6	2
9	GB/T 95-2002	Flat washer	10×2	2
10	EH15T.06.01.03	Cover shell		1
11	GB/T 70.1-2000	Hexagon socket head screw	M10×75	2
12	EH15T.08-2	Tubing bridge		1
13	CBA109.5-1TS	Composite roller		4
14	EH15T.02.01-3	Cover plate		1
15	GB 2674-86	Hexagon socket head set screw	M10×20	2
16	EH15T.06.01-6	Anti-shock pad		3
17	GB 2674-86	Hexagon socket head set screw	M6×16	1
18	EH15T.06.04.04	Pin shaft fitting (1)		1
19	GB/T 77-2000	Hexagon socket set screw	M12×25	2
20	GB/T 879.2-2000	Elastic cylindrical pin	3×20	4
21	EH15T.06.01.02-3	Pendulum shaft		2
22	EH15T.06.01.02-1	The arm		2
23	EH15T.06.01.02-5	spacer		4
24	GB 893.1-86	Spring retainer for hole	22	2
25	GB/T5801-1994	Needle roller bearing	NKI10/20	2
26	EH15T.06.01.02-2	roller		2
27	EH15T.06.01.02-4	Roller shaft		2

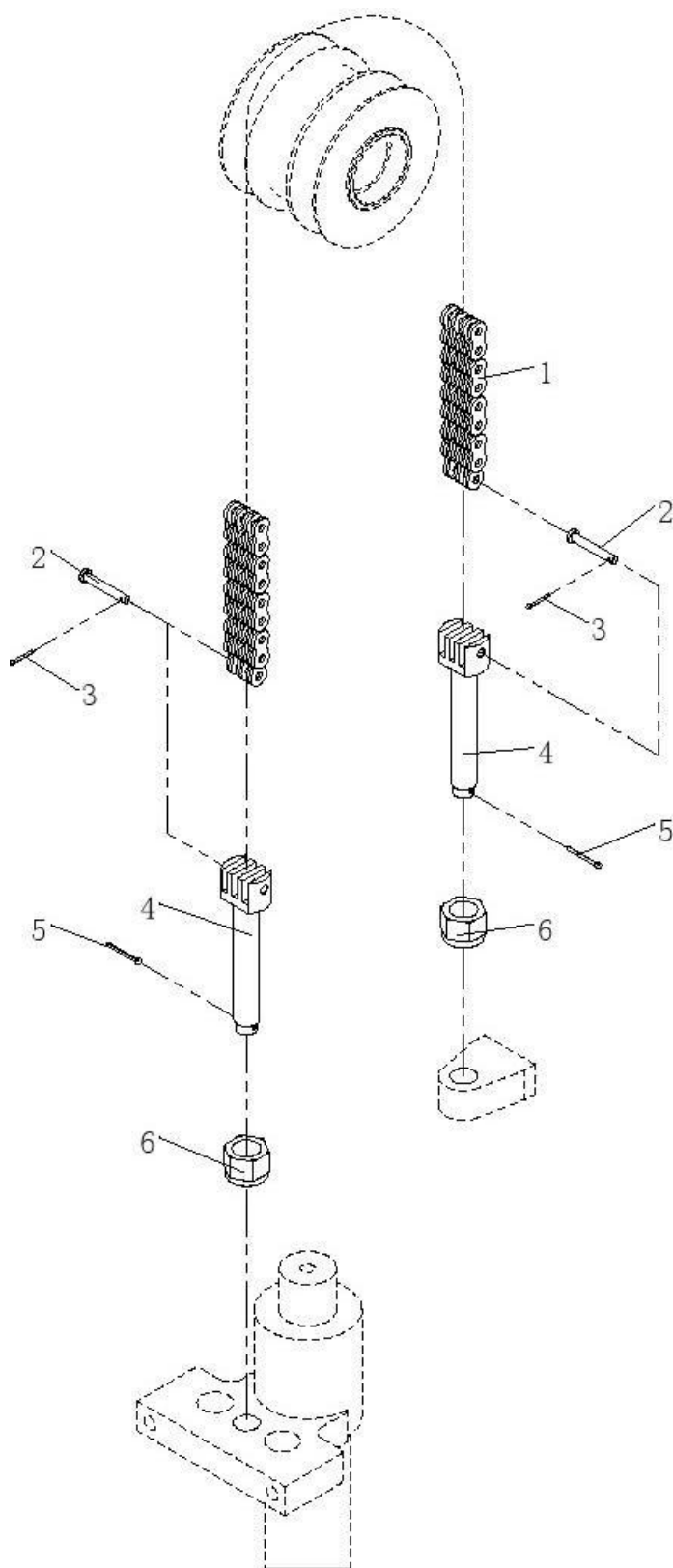
6.3.2 Carriage components



6.3.2 Carriage components

Item #	Part name	Description	Specifications	Qty
1	EH15T.06.04.01	Backrest fitting		1
2	GB/T 95-2002	Flat washer	10×2	16
3	GB/T 93-1987	Elastic washer	10×2.6	16
4	GB/T 70.1-2000	Hexagon socket head screw	M10×30	12
5	EH15T.06.04-5	Fork (new)		2
6	GB/T 70.1-2000	Hexagon socket head screw	M10×20	5
7	EH15T.02.02.01	Fork weld		1
8		Composite set	Φ29×Φ25×25	2
9	EH15T06.04.04	Pin shaft fitting (1)		2
10	GB 2674-86	Hexagon socket head set screw	M6×16	2
11	JB/T 7940.1-1995	Straight through type oil filling cup	M6	2
12	EH15T.02.05.01-2	Tubing clamps		2
13	GB/T 70.1-2000	Hexagon socket head screw	M8×20	2
14	EH15T.02.02.02	Cargo fork and wheel assembly		1
15	CRA78.3-12S	Composite roller		4
16	EH15T.02.02.02-2	The limit board		1
17	GB/T 95-2002	Flat washer	5×1	2
18	GB/T 93-1987	Elastic washer	5×1.3	2
19	GB/T 70.1-2000	内 Hexagon socket head screw	M5×12	2

6.4 Single cylinder chain parts

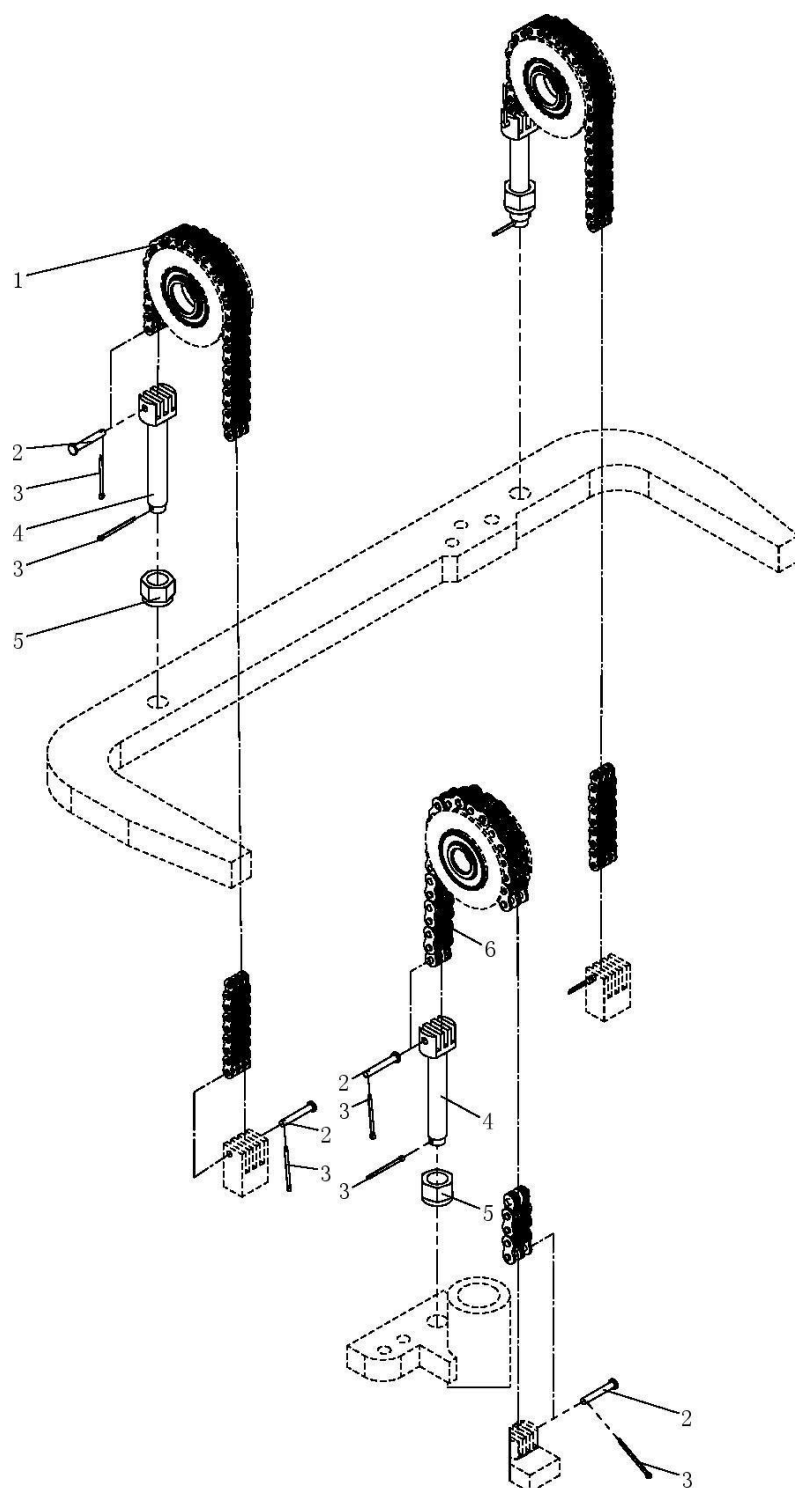


6.4 Single cylinder chain parts

Item #	Part name	Description	Specifications	Qty
1	LH1066	Plate chain	Details are shown in table	2
2	EH15T5.06-10	The step pin		2
3	GB/T 91-2000	Cotter pin	2×16	2
4	EH15T.06-9	Chain bolt		2
5	GB/T 91-2000	Cotter pin	2.5×25	2
6	GB/T 889.1-86	Hexagonal lock nut	M18	2

Hoisting height	The chain specification	Chain models	The number of
63	Section 81	LH1066	1
71	Section 85	LH1066	1
118	Section 113	LH1066	1

6.5 Three-stage full free chain component

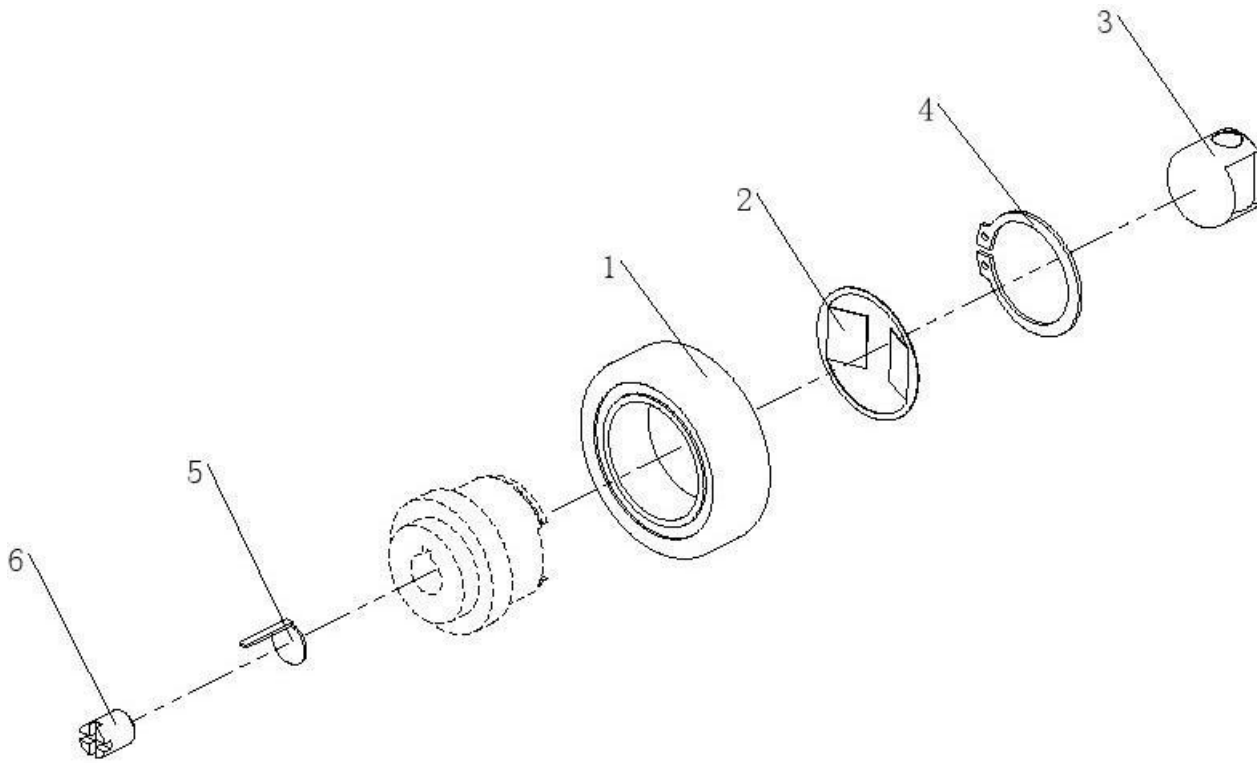


6.5 Three-stage full free chain component

Item #	Part name	Description	Specifications	Qty
1	LH1066	Plate chain I	Details are shown in table	2
2	EH15T.06-10	The step pin		6
3	GB/T 91-2000	Cotter pin	3×40	9
4	EH15T.06-9	Chain bolt		3
5	GB/T 889.1-86	Hexagonal lock nut	M18	3
6	LH1066	Plate chain II	Details are shown in table	1

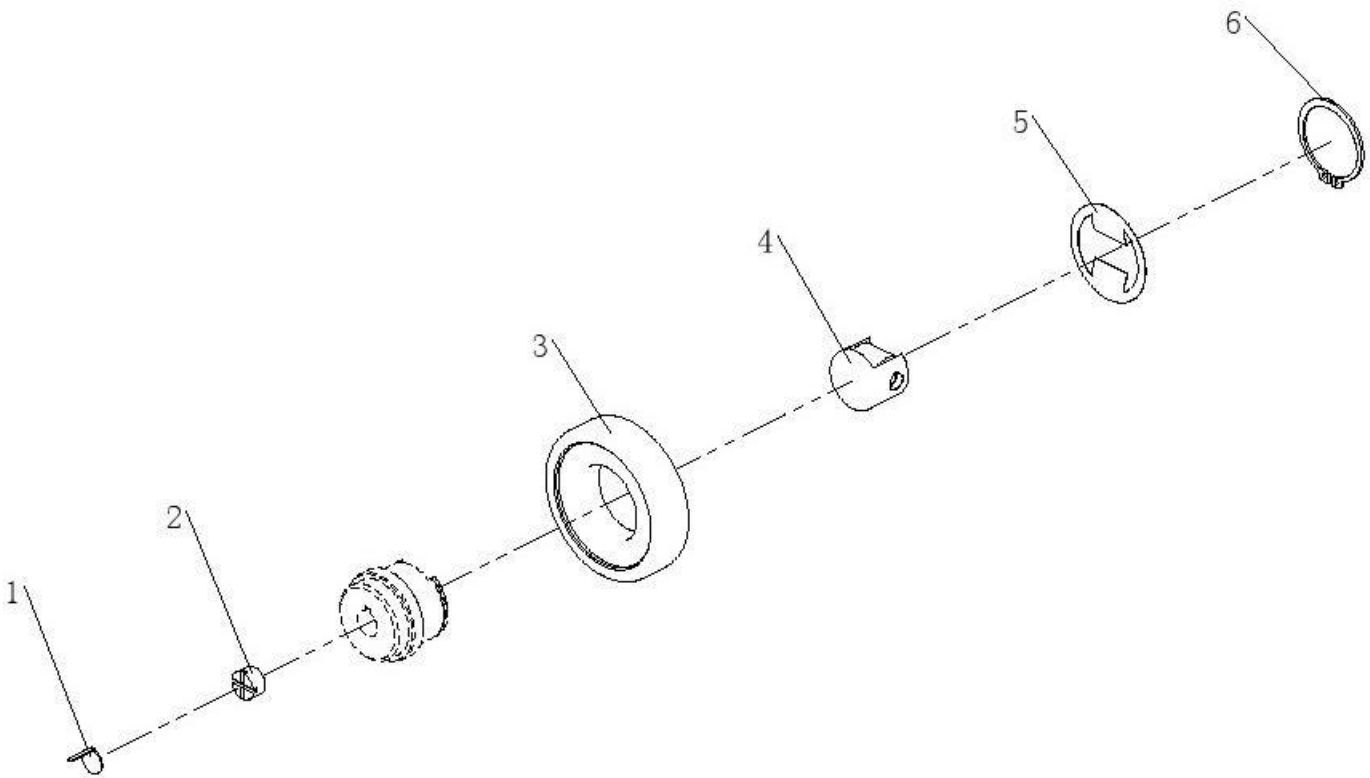
Hoisting height	The chain I specifications	Chain models	The number of	The chain II specifications	Chain models	The number of
177	Section 119	LH1066	2	Section 75	LH1066	1

6.6 CRA78.3-12S Adjustable combination roller parts



Item #	Part name	Description	Specifications	Qty
1	CRA78.3-12S	The main roller set		1
2	CRA78.3-12S	Guide the gasket		1
3	CRA78.3-12S	Stent components		1
4	GB 894.1-86	The shaft USES an elastic retainer	$\Phi 40$	1
5	CRA78.3-12S	Check loose piece		1
6	CRA78.3-12S	Adjust the screw		1

6.7 CBA109.2-1TS Adjustable combination roller



Item #	Part name	Description	Specifications	Qty
1	CBA109.2	Check loose piece		1
2	CBA109.2	Adjusting screw		1
3	CBA109.2	The main roller		1
4	CBA109.2	Small wheel carrier		1
5	CBA109.2	Dustproof piece		1
6	GB 894.1-86	The shaft USES an elastic retainer	55	1