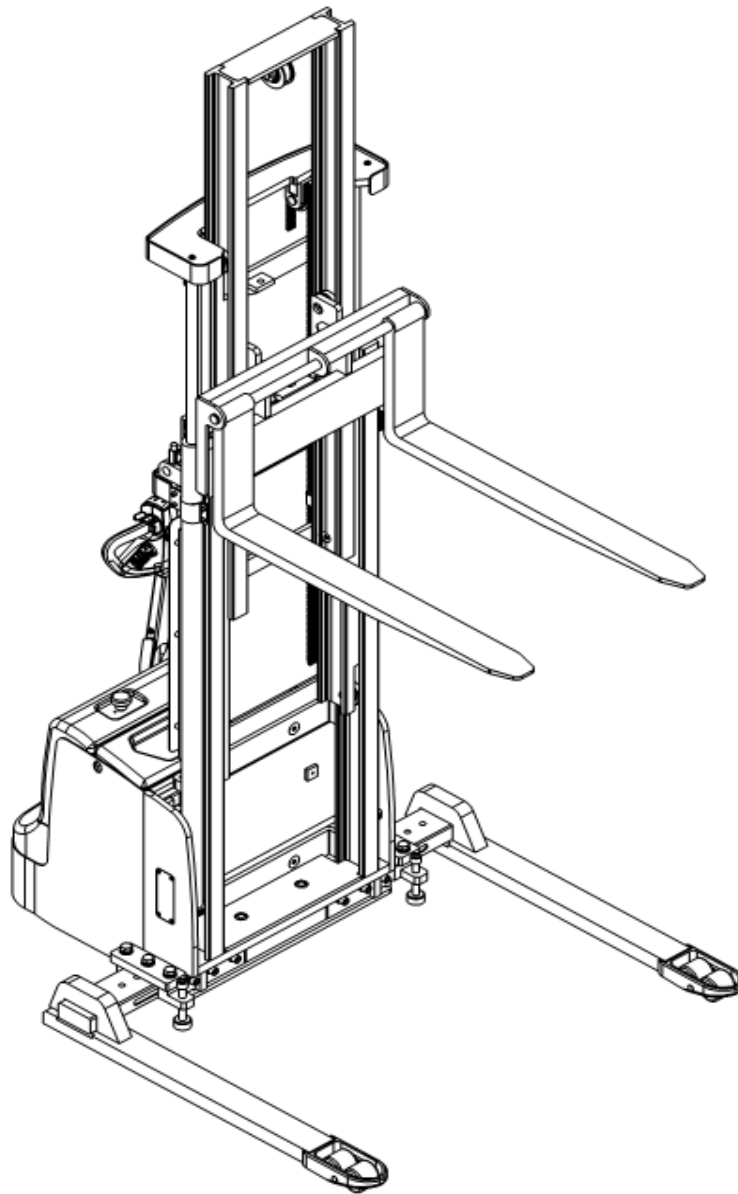


Part List

EB18E / EB20E Serial Full Electric Stacker



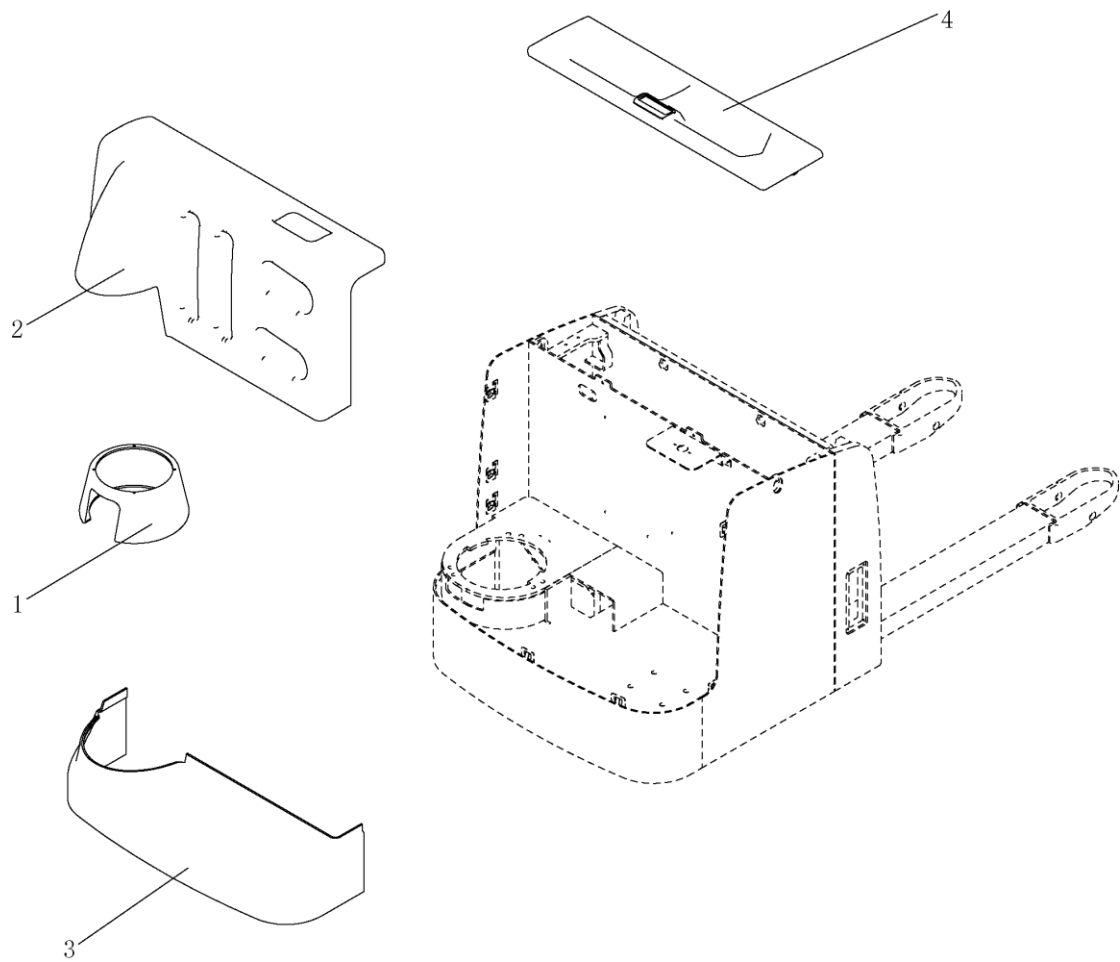
EKKO Material Handling Equipment Manufacturing, Inc.

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1.Body system

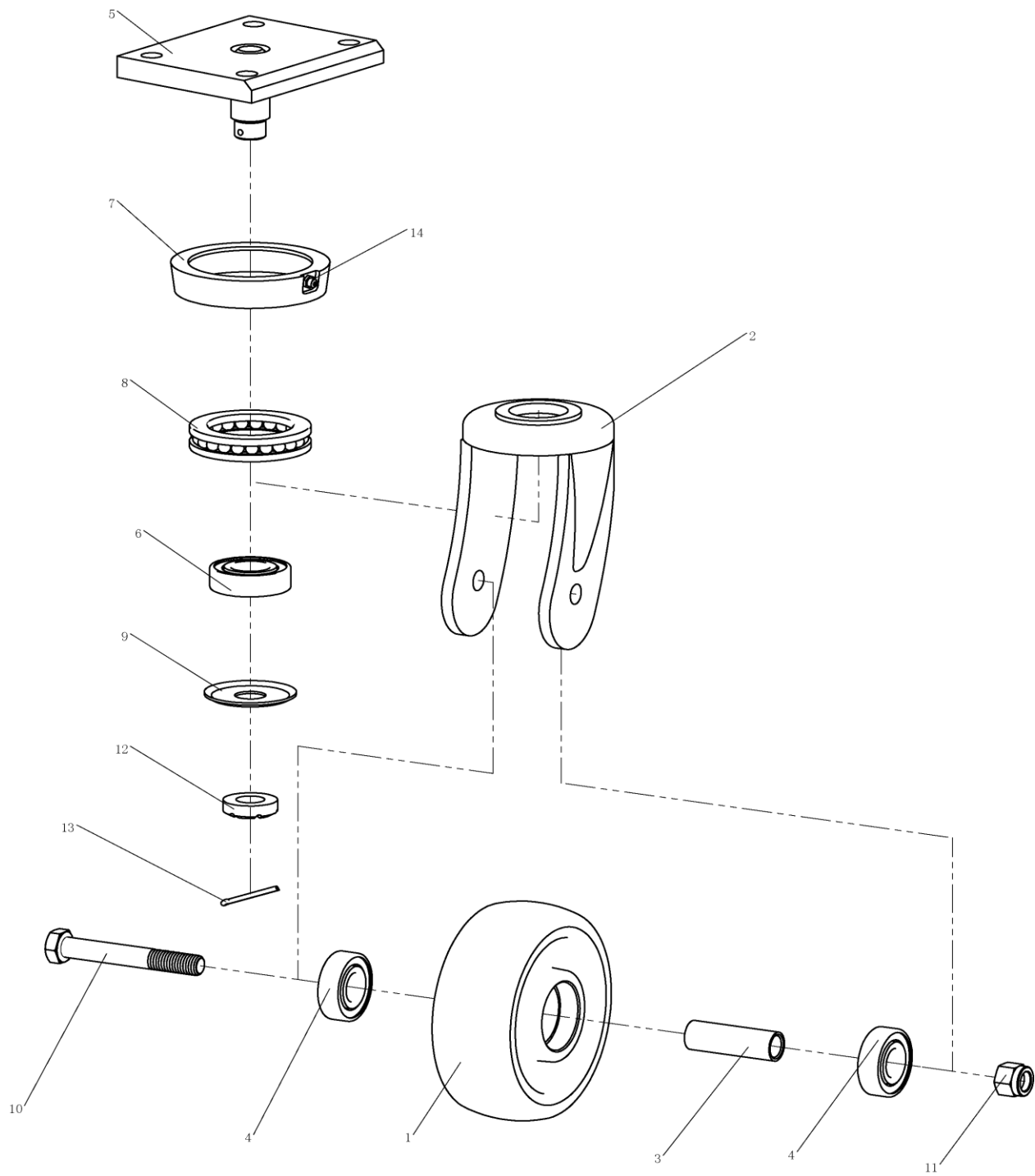
1.1Door frame housing assembly



1.1Door frame housing assembly

The serial number	Code name	The name of the		The number of
1	EB18E-06.4	Handle seat cover		1
2	EB12E.06-2	On the mask		1
3	EB12E.06-3	Under the mask		1
4	EB20E-03	Battery cover module		1

1.2 Steering wheel assembly

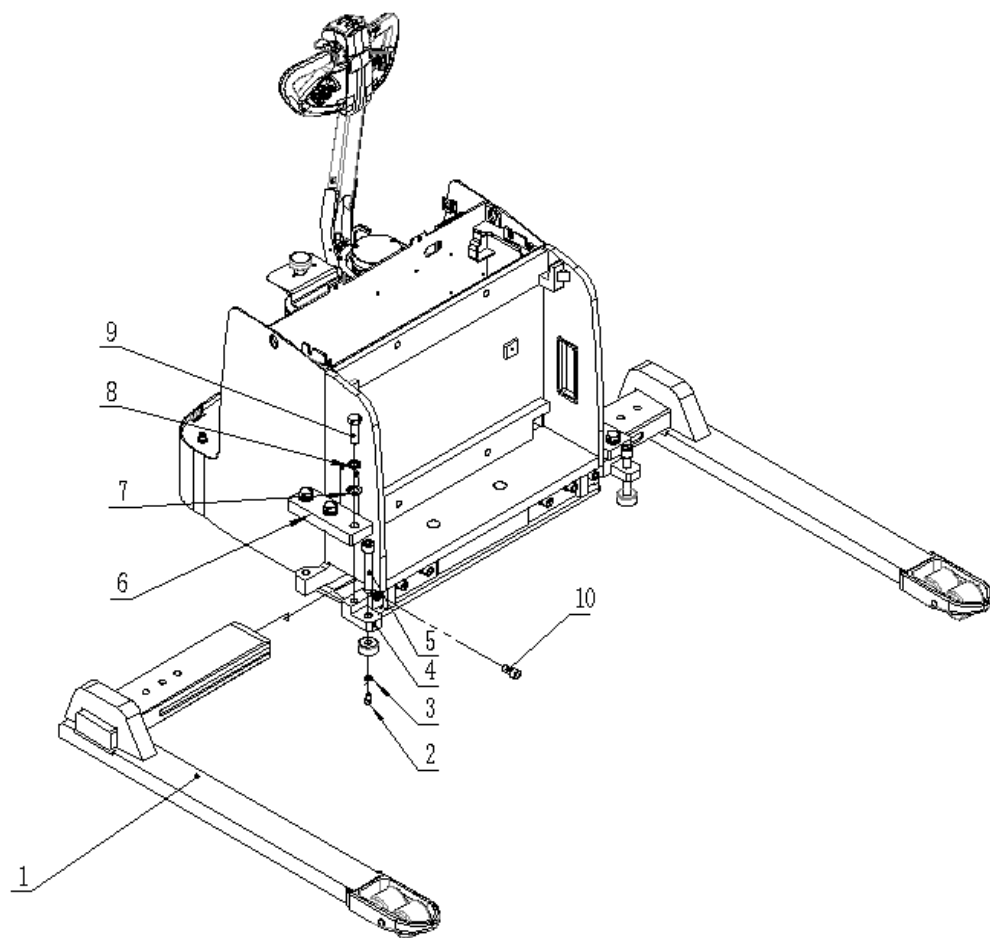


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1.2 Steering wheel assembly

The serial number	Code name	The name of the		The number of
1	EB12E.5.5-7	The rear wheel		1
2	EB12E.5.5-4G	Wheel carrier		1
3	EB12E.5.5-6	Shaft sleeve		1
4	GB/T 276-94	Deep groove ball bearing	6204-2Z	2
5	EB12E.5.5.1G	Flanged joint		1
6	GB/T 276-94	Deep groove ball bearing	6205-2Z	1
7	EB12E.5.5-2	shield		1
8	GB/T 301-1995	Thrust ball bearing		1
9	EB12E.5.5-4G	gland		1
10	GB/T 5780-2000	Hexagonal head bolt	M14×100	1
11	GB/T 889.1-2000	Hexagonal lock nut	M14	1
12	M20×1.5	Slotted nut		1
13	GB/T 91-2000	Split pin type A	Φ3.2×45	1
14	JB/T 7940.1-1995	Straight through type oil filling cup		1

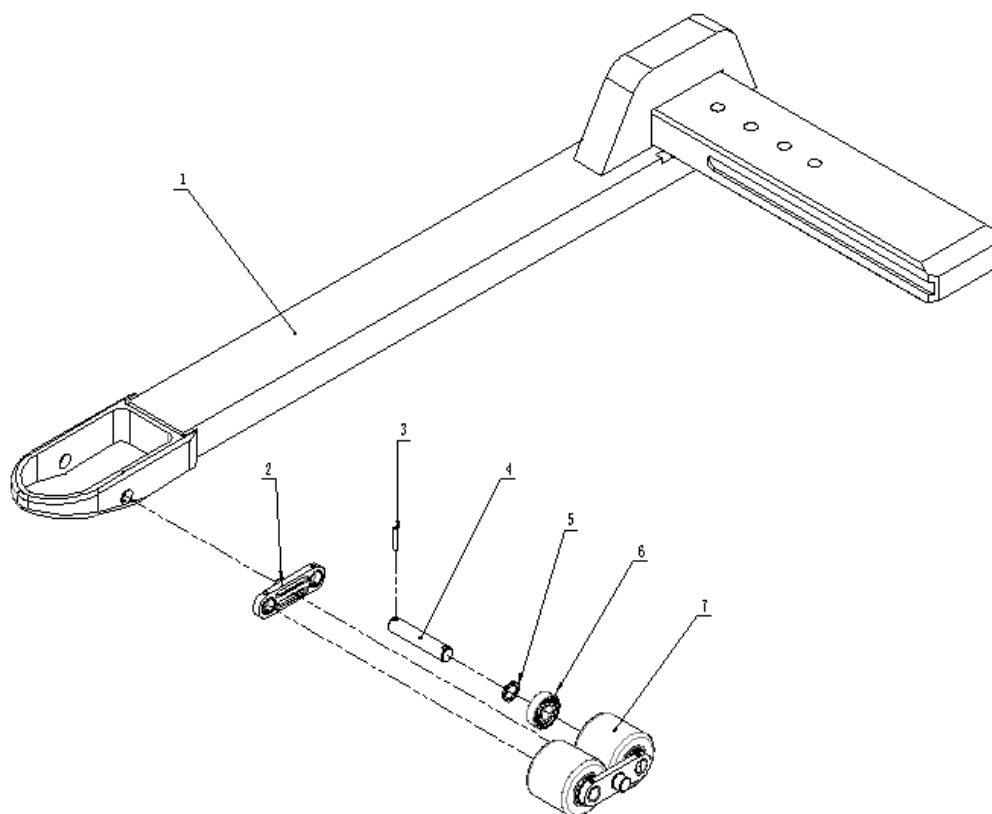
1.3 Adjustable Leg



1.3 Adjustable leg

The serial number	Code name	The name of the		The number of
1	CLY20-01.2	Car foot assembly		
2	GB / T70.1-2000	Hexagon socket head screw	M10×16	2
3	GB / T97.1-2002	Hexagon socket head screw	M10×16	2
4	EB20E-01	The frame assembly		1
5	GB / T70.1-2000	Hexagon socket head screw	M20×130	2
6	EB20E-01.3	clamp		2
7	GB / T95-2002	Flat washer C grade	20×3	6
8	GB / T93-1987	Standard elastic washer (mounting)	20×5	6
9	GB / T5781-2000	Hexagon head bolt with full thread C grade	M20×65	6
10	GB / T70.1-2000	Hexagon socket head screw	M16×30	6

1.3.1 Car foot assembly

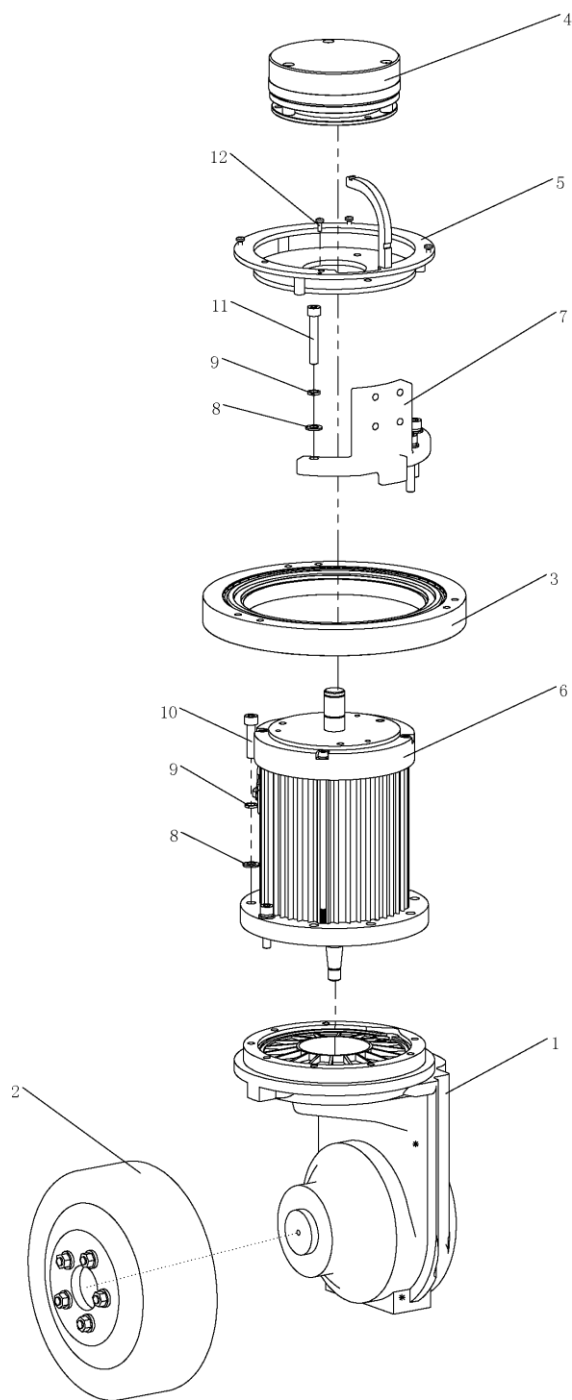


1.3.1 Car foot assembly

The serial number	Code name	The name of the		The number of
1	EB20E-01.2.1	Car foot welded		2
2	DFL25.1-14D	The final		4
3	GB/T 879.4-2000	Elastic cylindrical pin	5×35	8
4	EB12E-4H	Front axle (2)		4
5	EP20E.1-9	The gasket		8
6	GB/T 276-94	Deep groove ball bearing	6204	8
7	EB12E-5	The small round		4

2.Driving system

2.1 The drive assembly



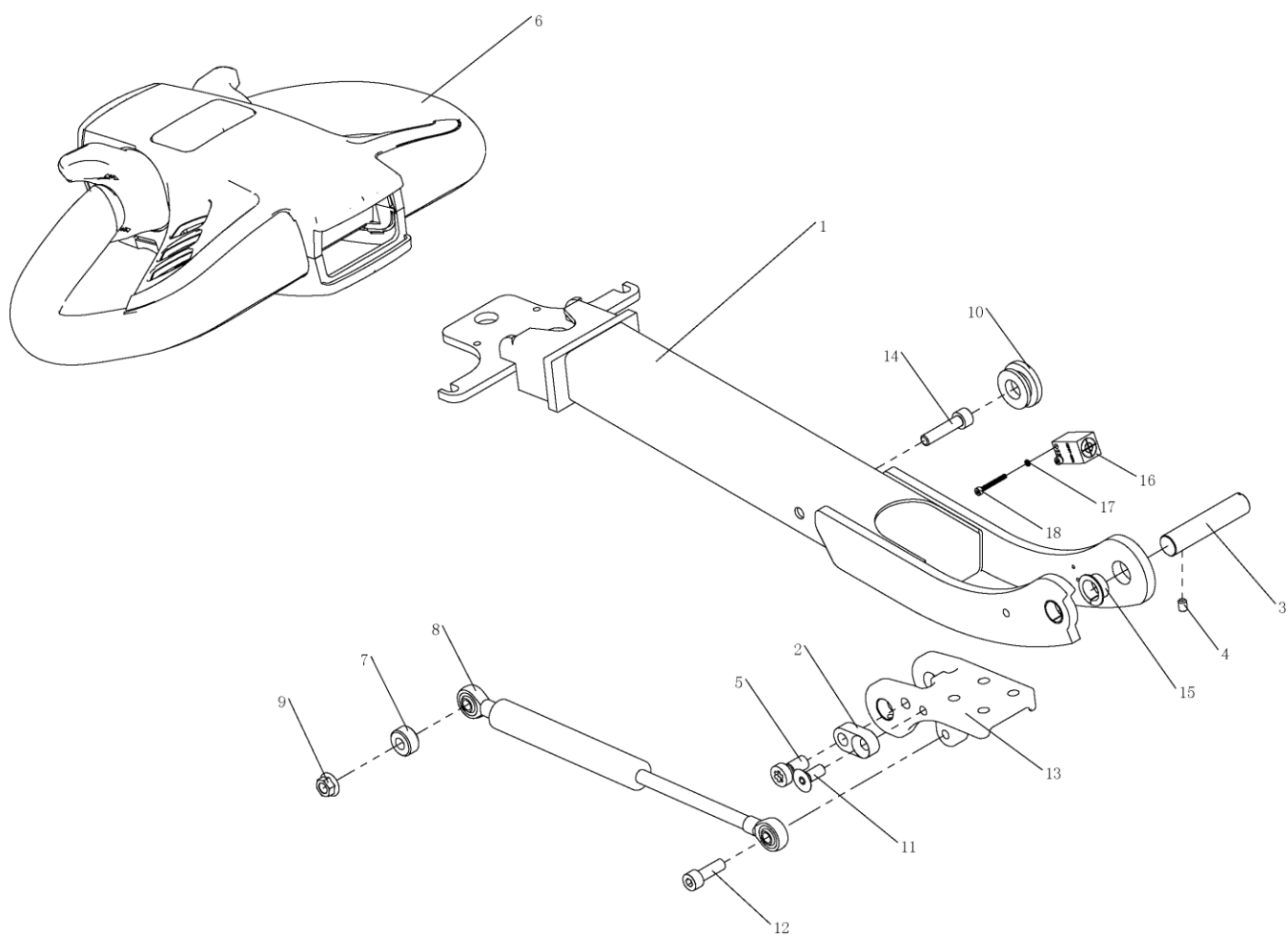
2.1 The drive assembly

The serial	Code name	The name of the		The number
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number				of
1	4699_601_203_GK10(081)	Gear box		1
2	Φ230×70	Driving wheel		1
3	260×28	ZF rotary bearing		1
4	EP20E-01.6.3	Electromagnetic brake magnetic sensor assembly		1
5	EB18E-01.3.1	Cover mounting bracket		1
6	1.5KW	Ac motor		1
7	EB18E-01.3.2	Handle seat		1
8	GB/T 95-2002	Flat washer	Φ8	7
9	GB/T 93-1987	Elastic washer	Φ8	7
10	GB/T 70.1-2000	Hexagon socket head screw		4
11	GB/T 70.1-2000	Hexagon socket head screw		3
12	GB/T 818-2000	Cross slotted head screw		4

3.Operating handle assembly

3.1 Operating handle assembly



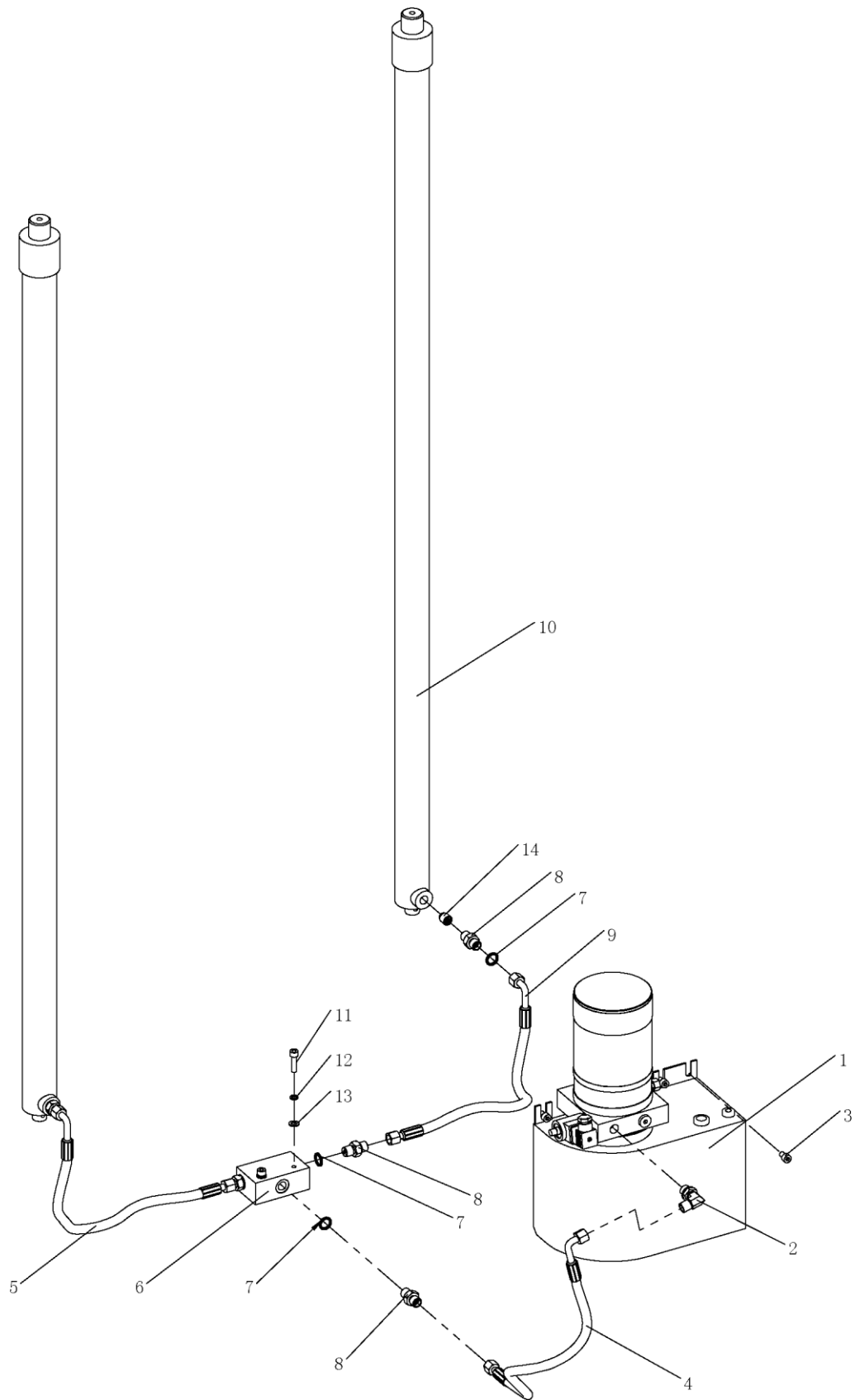
3.1 Operating handle assembly

The serial number	Code name	The name of the		The number of
1	EB12E.01.02.01	Bar welding		1
2	EP20D-02.9.3	Limit block		1
3	EP18D.03-07	Joint shaft		1
4	GB/T 77-2000	Hexagon socket set screw	M6×8	1
5	GB 6191-86	Hexagon socket head screw	M10×20	1
6	TY-01.20	Denton handle T606-5		1
7	EP18D.03-09	spacer		1
8	EB12E.01.02.02	Air spring assembly		1
9	EB12E.01.02.02	Hexagon flange nut	M8	1
10	CS1232.8-1	Anti-shock pad		1
11	GB/T 70.3-2000	Hexagon socket head screw	M8×20	1
12	GB/T 70.1-2000	Hexagon socket head screw	M8×25	1
13	EP20D-02.9.2	Joint holder		1
14	GB/T 70.1-2000	Hexagon socket head screw	M8×35	1
15	TY-02.22	Shoulder complex set of Φ 18 x Φ 16 x 10		2
16	CJF17-05PA	Proximity switch		1
17	GB/T 93-1987	Elastic washer	Φ 3	2
18	GB/T 70.1-2000	Hexagon socket head screw	M3×25	2

4.1 Two - stage door frame single cylinder hydraulic system

The serial number	Code name	The name of the		The number of
1	GB/T 95-2002	Flat washer	Φ8	3
2	GB/T 93-1987	Elastic washer	Φ8	3
3	GB/T 70.1-2000	Hexagon socket head screw	M8×20	3
4	EK15A.05.1-4	Directly to the head		1
5	GB982-77	Combination gasket	Φ16	1
6	EB12E.4.3	Riot valve		1
7	EP20E-03.5	Lift cylinder assembly	Φ16	1
8	EP20E-03.8	The tubing		1
9	EK15A.05.1-3	Right Angle adjustable joint		1
10	EP20D-01.4	Pump assembly		1

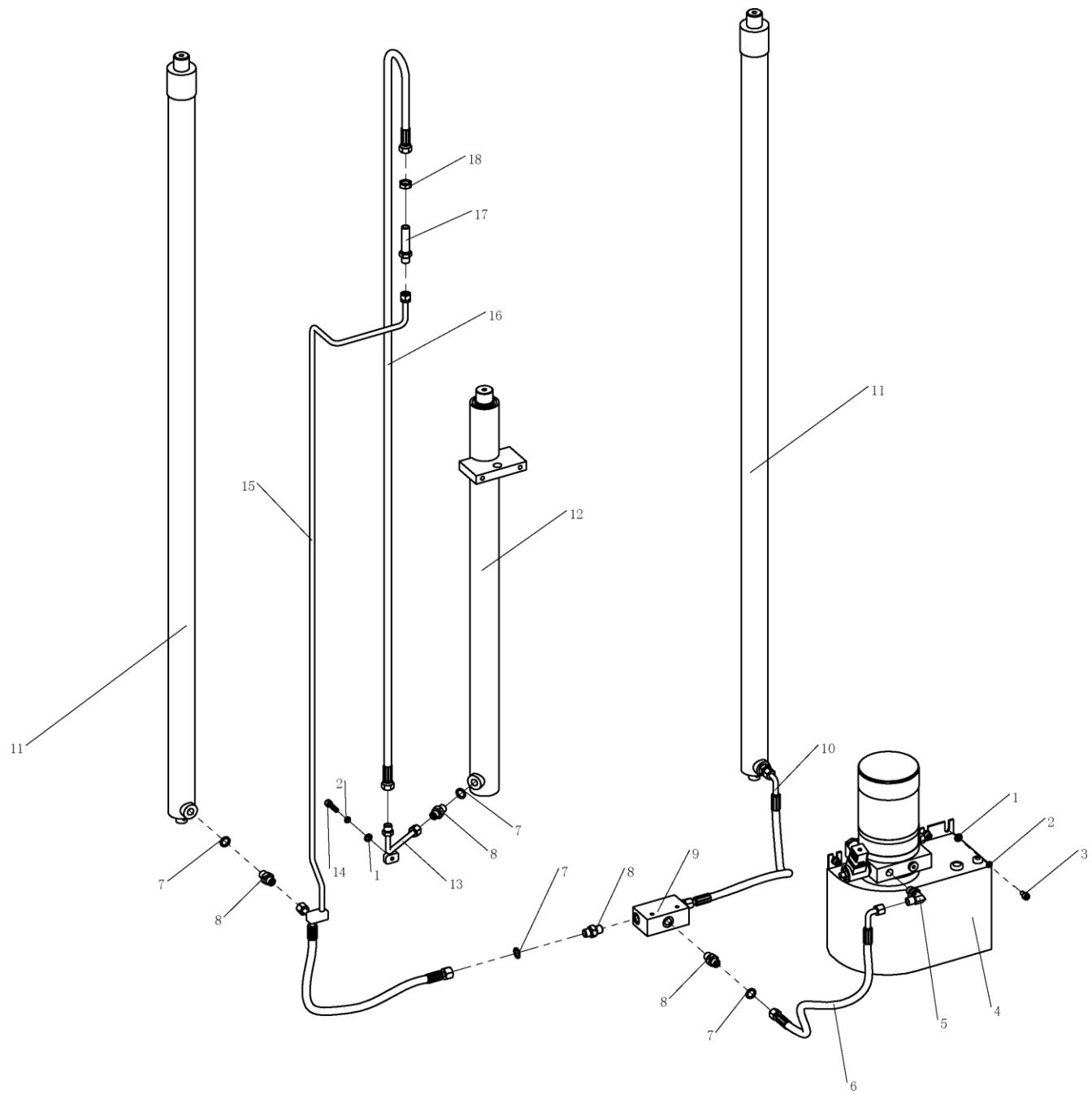
4.2 Two - stage door frame double cylinder hydraulic system



4.2 Two - stage door frame double cylinder hydraulic system

The serial number	Code name	The name of the		The number of
1	EB20D-01.4	Pump assembly		1
2	EB12E.05.1-6	Right Angle adjustable joint		1
3	GB/T 70.1-2000	Hexagon socket head screw	M8×12	3
4	EB18E-04.5	hose		1
5	EB18E-02.4	hose		1
6	EB18E-01.5	Tubing bridge		1
7	GB982-77	Combined seal ring	Φ16	5
8	EK15A.05.1-4	Directly to the head		5
9	EB12E-02.4	Hose 1		1
10	EK13-03.4	Lift cylinder assembly		2
11	GB/T 70.1-2000	Hexagon socket head screw	M8×30	2
12	GB/T 93-1987	Elastic washer	Φ8	2
13	GB/T 95-2002	Flat washer	Φ8	2
14	EB12E.4.3	Riot valve		2

4.3 Three-stage full free door frame double cylinder system

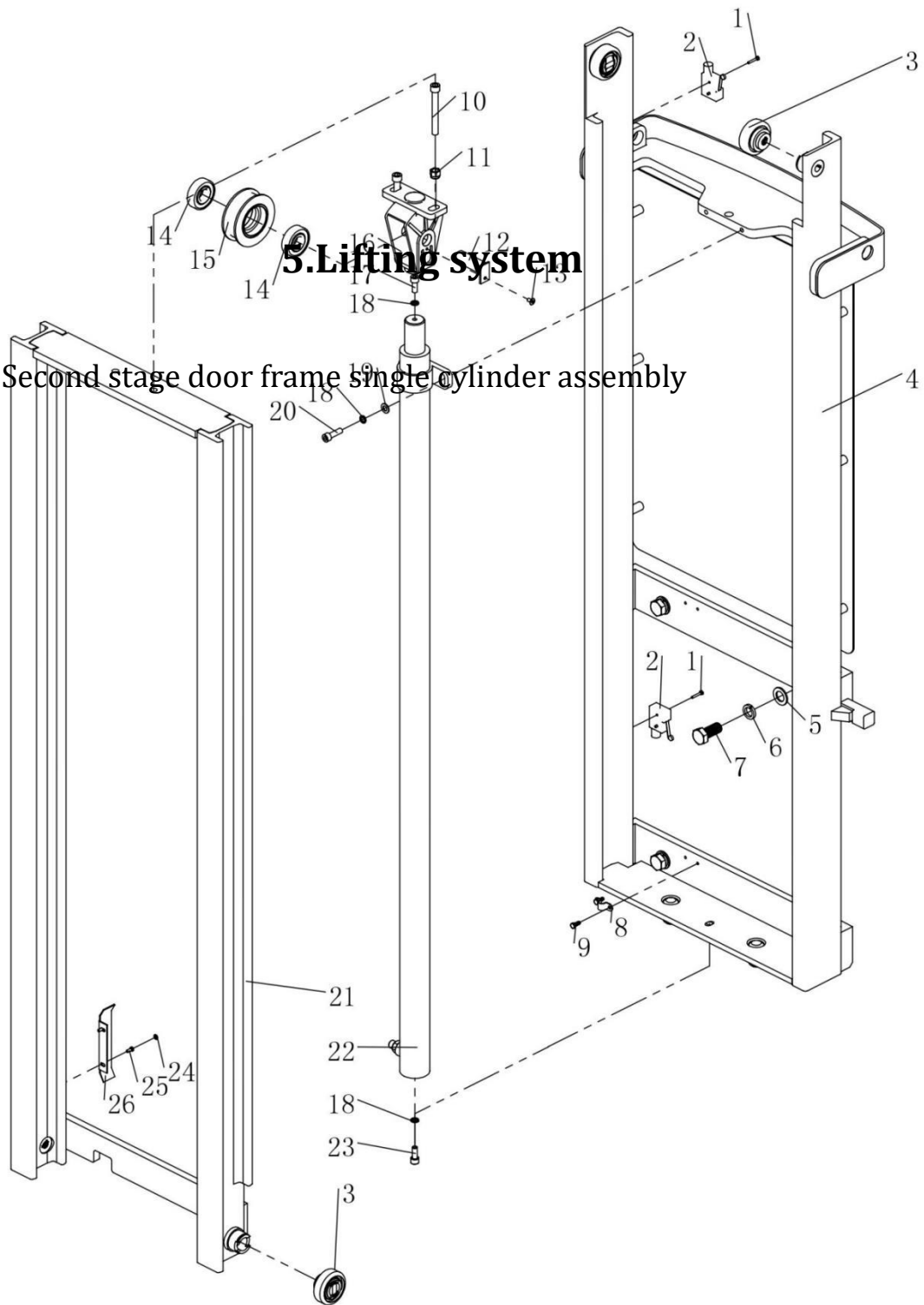


4.3 Three-stage full free door frame double cylinder system

The serial number	Code name	The name of the		The number of
1	GB/T 95-2002	Flat washer	Φ8	4
2	GB/T 93-1987	Elastic washer	Φ8	4
3	GB/T 70.1-2000	Hexagon socket head screw	M8×12	3
4	EB20D-01.4	Pump assembly		1
5	EB12E.05.1-6	right-angle connector		1
6	EB18E-04.5	rubber tube		1
7	GB982-77	Combined seal ring	Φ16	6
8	EK15A.05.1-4	Directly to the head		6
9	EB18E-01.5	Tubing bridge		1
10	EB18E-02.4	Hose 1		1
11	EK13-03.4	Lift cylinder assembly		2
12	EB18E-04.6	Front lift cylinder assembly		1
13	EB18E-04.7	Steel tube 1		1
14	GB/T 70.1-2000	Hexagon socket head screw	M8×30	1
15	EB18E-04.1.3	Steel pipe		1
16	EB18E-04.8	High pressure hose		1
17	EH15T.08-40	joint		1
18	GB/T 6173-2000	Thin hexagonal nut thin teeth	M16	1

5. Lifting system

5.1 Second stage door frame single cylinder assembly

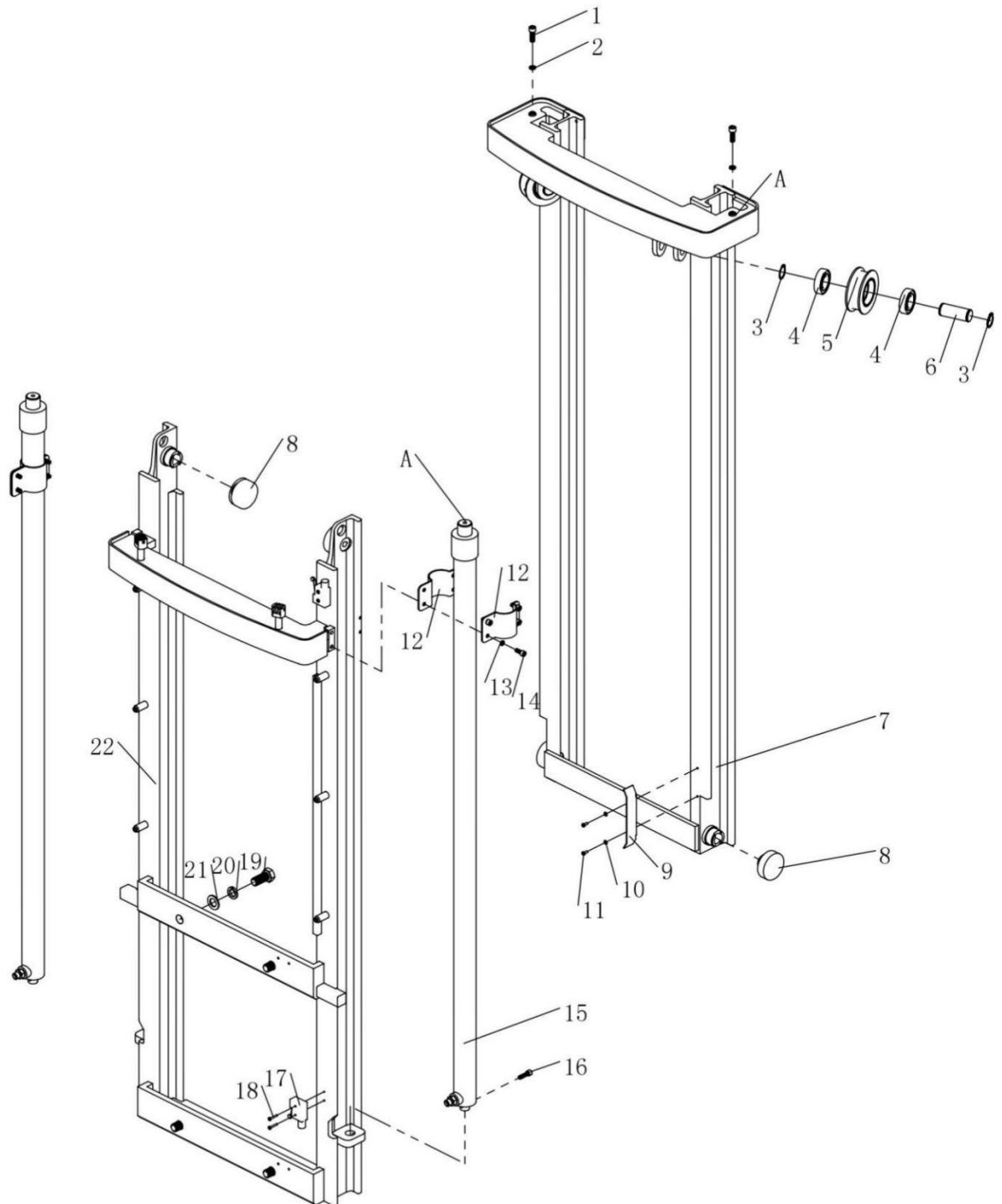


5.1 Second stage door frame single cylinder assembly

The serial number	Code name	The name of the		The number of
1	GB/T 5783-2000	Hexagonal head bolt	M4×25	4
2	TY-01.35	Micro switch RZ-15GW2S-B3		2
3	CRA70.4-7S	Composite roller		4

4	EB20E-03.1.1	Outside frame welding		1
5	GB/T 95-2002	Flat washer	Φ20	4
6	GB/T 93-1987	Elastic washer	Φ20	4
7	GB/T 5781-2000	Hexagonal head bolt	M20×45	4
8		Ride the marca hoop	Φ10	1
9	GB/T 5781-2000	Hexagonal head bolt	M6×16	2
10	GB/T 70.1-2000	Hexagon socket head screw	M12×100	2
11	GB/T 889.1-2000	Hexagonal lock nut	M12	2
12	EB12E.4.1	Sprocket shaft		1
13	GB/T 70.3-2000	Hexagon socket head screw	M6×12	1
14	GB/T 276-94	Deep groove ball bearing	6305-2Z	2
15	EK15A.03.3-5	SprocketA		1
16	EB12E.4-1H	Sprocket wheel rack		1
17	GB/T 70.1-2000	Hexagon socket head screw	M10×25	1
18	GB/T 93-1987	Elastic washer	Φ10	4
19	GB/T 95-2002	Flat washer	Φ10	2
20	GB/T 70.1-2000	Hexagon socket head screw	M10×35	2
21	EB20E-03.2.1	The inner door frame is welded		1
22	EB20E-03.5	Lift cylinder assembly		1
23	GB/T 70.1-2000	Hexagon socket head screw	M10×25	1
24	GB/T 95-2002	Flat washer	Φ5	2
25	GB/T 818-2000	Cross slotted head screw	M5×12	2
26	EK13-03.2.2	The limit board		1

5.2 Two - stage door frame double cylinder assembly

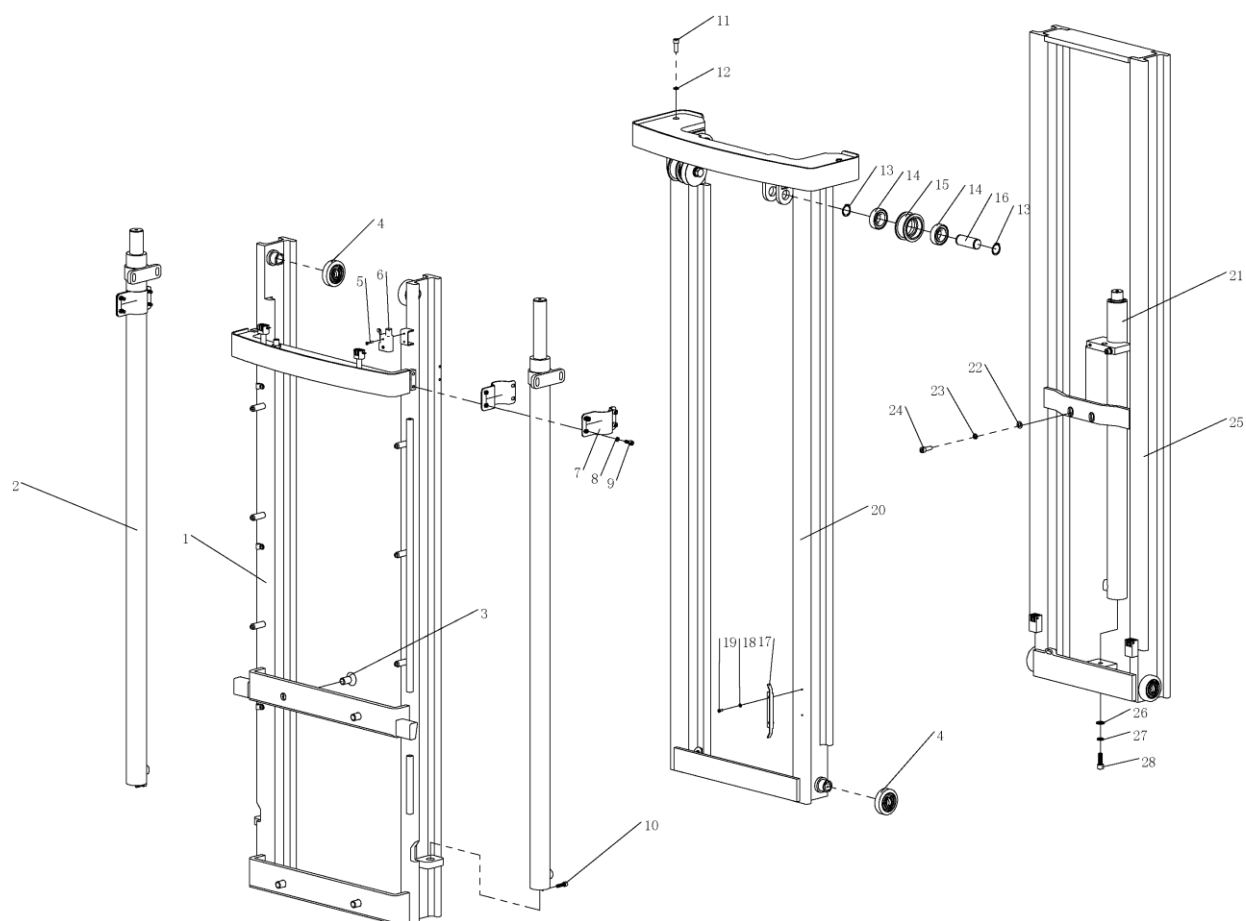


5.2 Two - stage door frame double cylinder assembly

The serial number	Code name	The name of the		The number of
1	GB/T 70.1-2000	Hexagon socket head screw	M10×30	2
2	GB/T 93-1987	Elastic washer	Φ10	2
3	GB 894.1-86	The shaft USES an elastic retainer	Φ30	4
4	GB/T 276-94	Deep groove ball bearing	6206-2 Z	4
5	EK15A.03.3-5	Sprocket A		2
6	EK15A.03.3-6	Sprocket shaft		2
7	EK13-03.2.1	The inner door frame is welded		1
8	CRA70.4-4S	Composite roller		4
9	EK13-03.2.2	The limit board		1
10	GB/T 95-2002	Flat washer	Φ5	2
11	GB/T 818-2000	Cross slotted head screw	M5×12	2
12	EK13-03.1.4	Oil cylinder hoop		4

13	GB/T 93-1987	Elastic washer	Φ8	8
14	GB/T 70.1-2000	Hexagon socket head screw	M8×20	8
15	EK13-03.4	Lift cylinder assembly		2
16	GB/T 70.1-2000	Hexagon socket head screw	M8×30	2
17	TY-01.35	Micro switch RZ-15GW2S-B3		2
18	GB/T 818-2000	Cross slotted head screw	M4×25	4
19	GB/T 5781-2000	Hexagonal head bolt	M20×45	4
20	GB/T 93-1987	Elastic washer	Φ20	4
21	GB/T 95-2002	Flat washer	Φ20	4
22	EB20E-02.1.1	Outside frame welding		1

5.3 Three-stage full free door frame double cylinder assembly

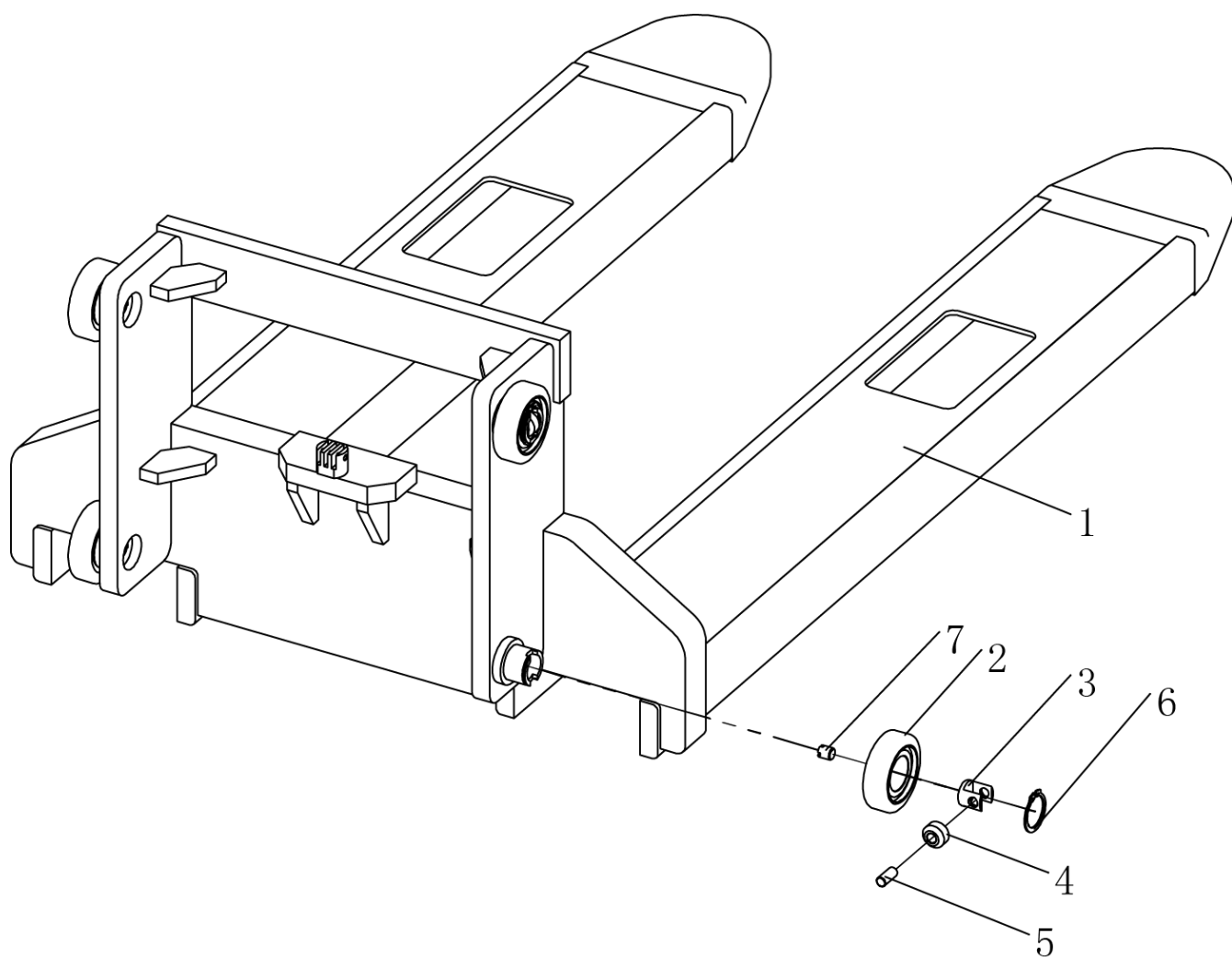


5.3 Three-stage full free door frame double cylinder assembly

The serial number	Code name	The name of the		The number of
1	EB20E-04.1.1.6	Outside frame welding		1
2	EB20E-04.5	Lift cylinder assembly		2
3	GB/T 70.3-2000	Hexagon socket head screw	M20×40	4
4	CRA78.3	The main roller		12
5	GB/T 818-2000	Cross slotted head screw	M4×25	2
6	RZ-15GW2S-B3	Micro switch		1
7	EB20E-04.1.2	Oil cylinder hoop		4
8	GB/T 93-1987	Elastic washer	Φ8	9
9	GB/T 70.1-2000	Hexagon socket head screw	M8×20	8
10	GB/T 70.1-2000	Hexagon socket head screw	M8×30	3
11	GB/T 70.1-2000	Hexagon socket head screw	M10×30	4
12	GB/T 93-1987	Elastic washer	Φ10	5
13	GB 894.1-86	The shaft USES an elastic retainer	Φ30	2
14	GB/T 276-94	Deep groove ball bearing	6206-2Z	4
15	EK15A.03.2-7	Sprocket B		2
16	EK15A.03.3-6	Sprocket shaft		1
17	EB20E-04.2.2	The limit board		1
18	GB/T 95-2002	Flat washer	Φ5	2
19	GB/T 818-2000	Cross slotted head screw	M5×12	2

20	EB20E-04.2.1.2	Middle frame welding		1
21	EB20E-04.6	Front lift cylinder assembly		1
22	GB/T 95-2002	Flat washer	Φ10	2
23	GB/T 93-1987	Elastic washer	Φ10	2
24	GB/T 70.1-2000	Hexagon socket head screw	M10×3 5	2
25	EB20E-04.3.1.5	The inner door frame is welded		1
26	GB/T 95-2002	Flat washer	Φ12	1
27	GB/T 93-1987	Elastic washer	Φ12	1
28	GB/T 70.1-2000	Hexagon socket head screw	M12×3 5	1

5.4 Two - stage door stand single cylinder fork stand

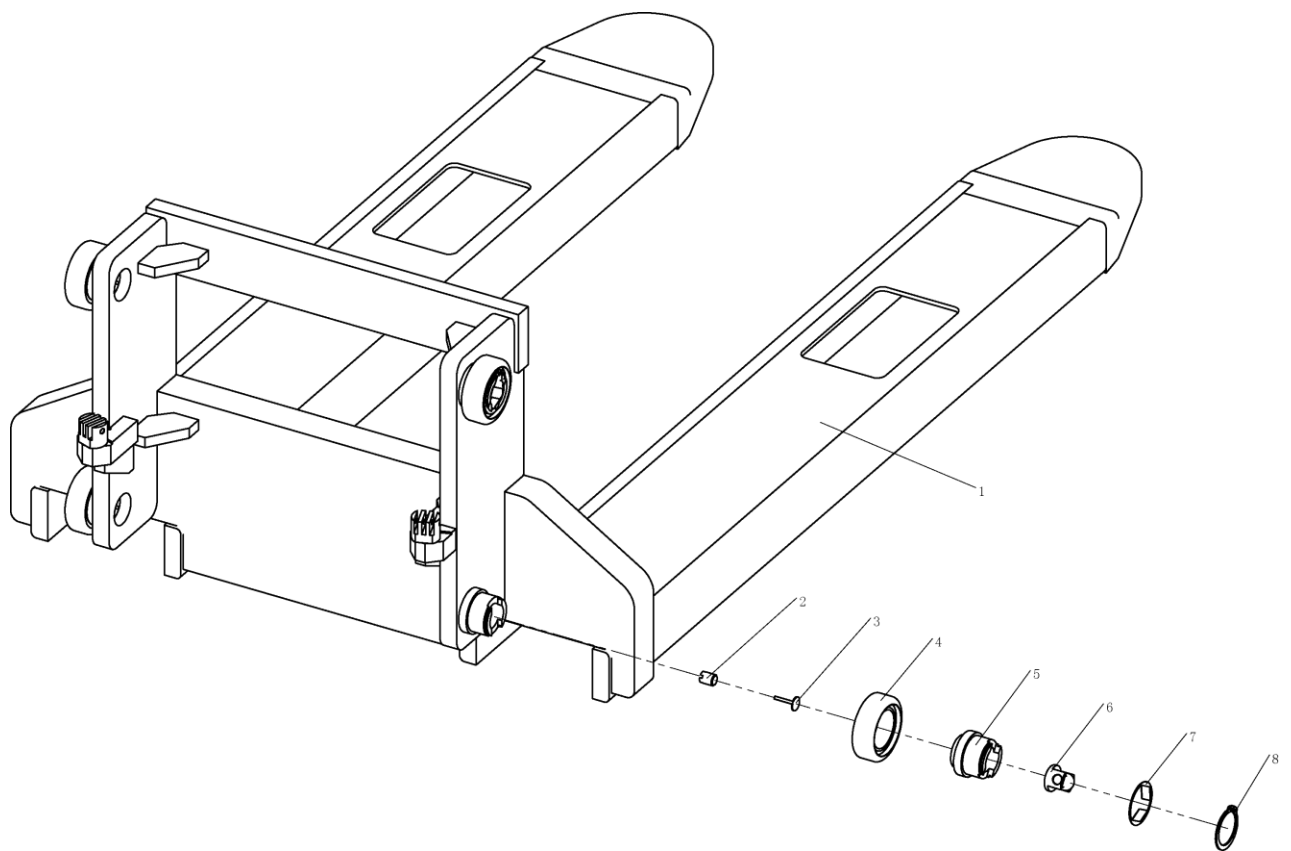


5.4 Two - stage door stand single cylinder cargo fork stand

The serial number	Code name	The name of the		The number of
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1	EB20E-03.4.1	Pallet welding		1
2	CRA78.3	The main roller		4
3	CRA78.3	Small wheel carrier		4
4	CRA78.3	Small roller		4
5	CRA78.3	Small roller pin shaft		4
6	CRA78.3	The shaft USES an elastic retainer -B _		4
7	CRA78.3	Adjusting screw		4

5.5 Two - stage door rack double cylinder cargo fork rack

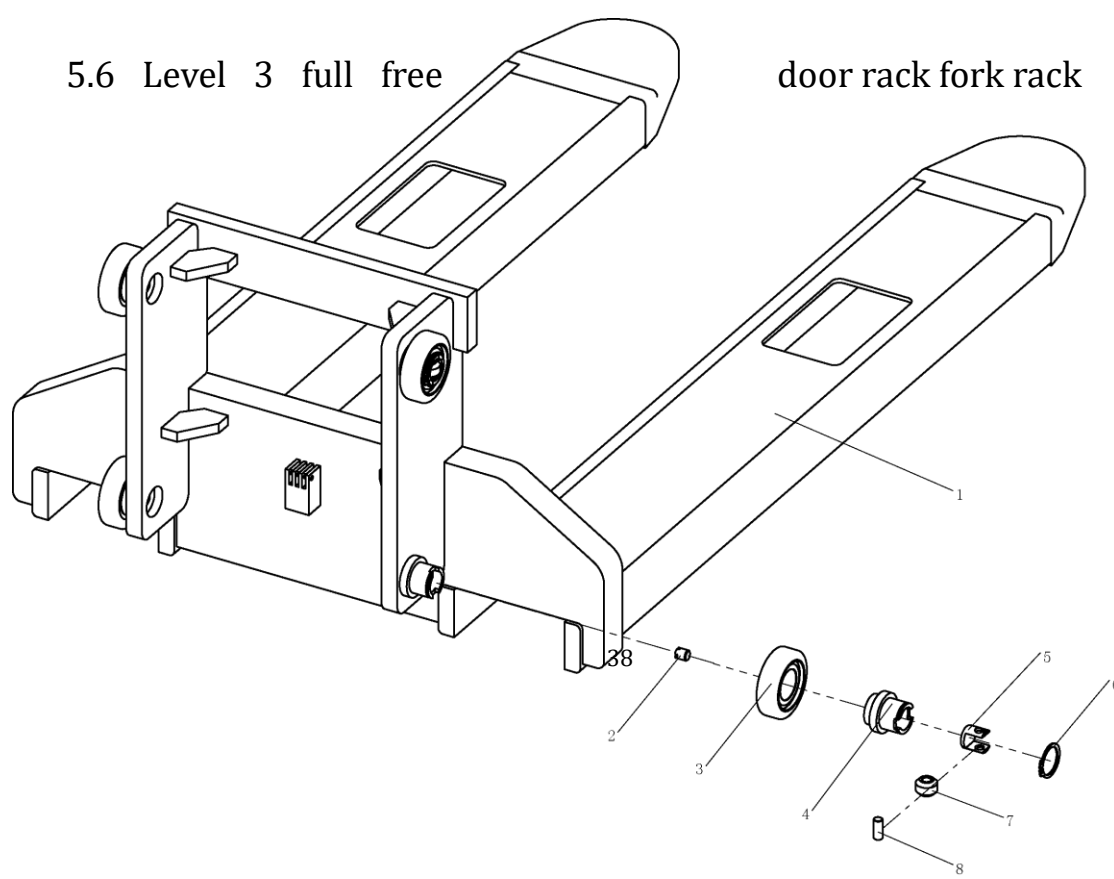


5.5 Two - stage door rack double cylinder cargo fork rack

The serial number	Code name	The name of the		The number of
1	EB20E-02.3.1	Pallet welding		1
2	CRA70.4-7S	Adjust the screw		4
3	CRA70.4-7S	Check loose piece		4
4	CRA70.4-7S	The main roller set		4
5	CRA70.4-7S	Shaft head		4
6	CRA70.4-7S	Stent components		4
7	CRA70.4-7S	Dustproof piece		4
8	GB 894.1-86	The shaft USES an elastic retainer		4

5.6 Level 3 full free

door rack fork rack

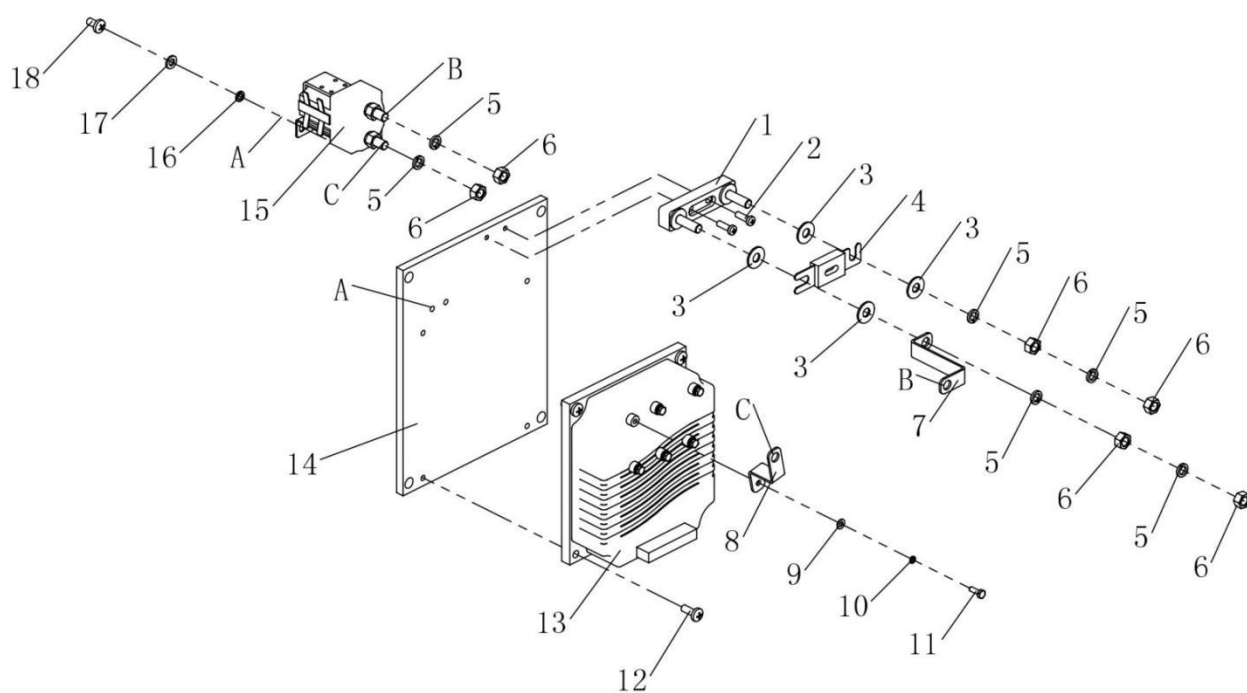


5.6 Level 3 full free door rack fork rack

The serial number	Code name	The name of the		The number of
1	EB20E-04.4.1	Pallet welding		1
2	CRA78.3	Adjusting screw		4
3	CRA78.3	The main roller		4
4	CRA78.3	Roller shaft		4
5	CRA78.3	Small roll frame		4
6	CRA78.3	The shaft USES an elastic retainer -B type		4
7	CRA78.3	Small roller _		4
8	CRA78.3	Small roller pin shaft		4

6.Electrical system

6.1DK1230-02 Ac electric control module



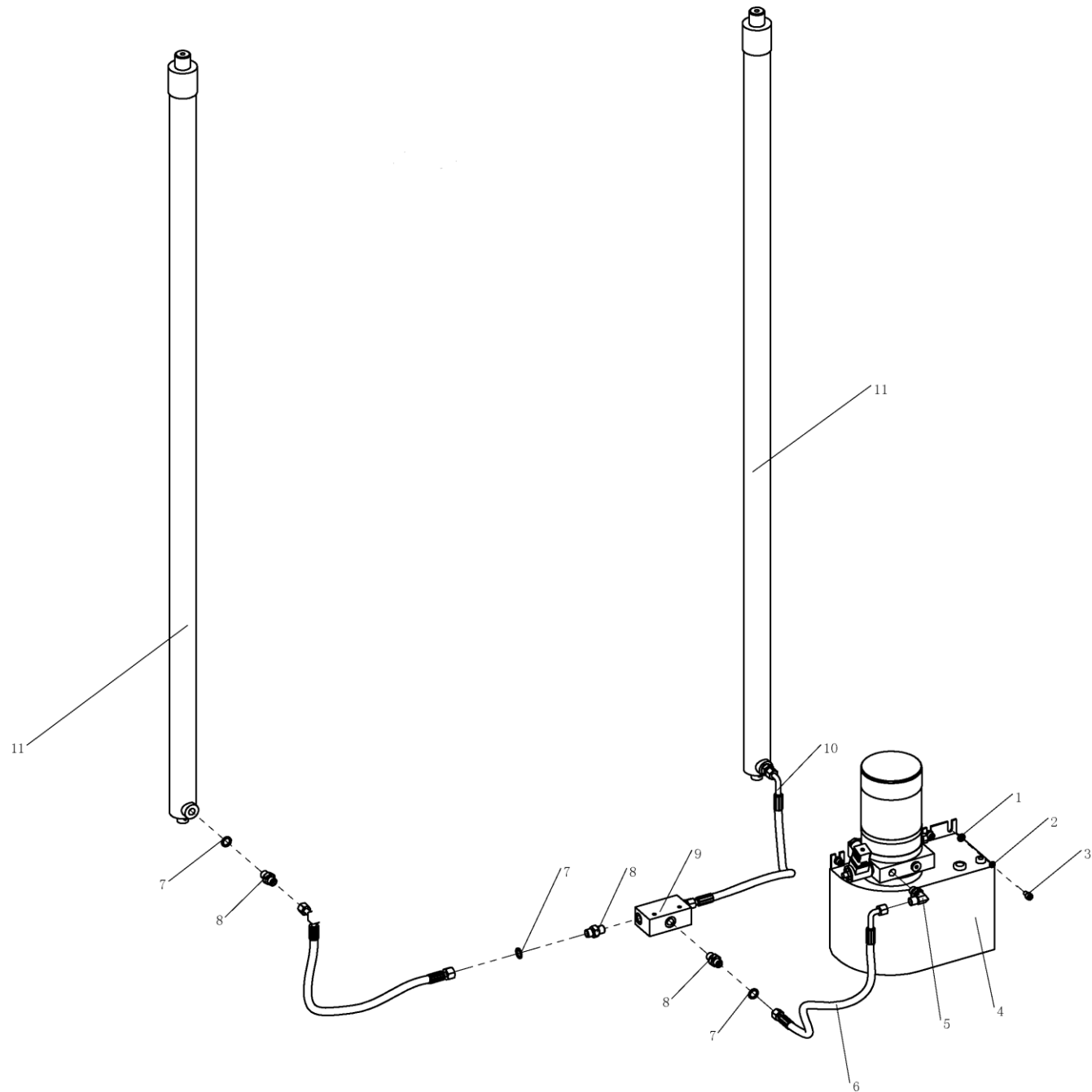
6.1DK1230-02Ac electric control module

The serial number	Code name	The name of the		The number of
1	TY-02.32	Fuse base		1
2	GB/T 818-2000	Cross slotted head screw	M5×16	2
3		Copper gaskets		4
4	TY-01.1	The fuse	200A	1
5	GB/T 93-1987	Elastic washer	Φ8	6
6	GB/T 6170-2000	Hexagonal nut	M8	6
7	DK1230-01.2	Copper guide plate (1)		1
8	DK1230-03.3	Copper guide plate (2)		1
9	GB/T 95-2002	Flat washer	Φ4	6

10	GB/T 93-1987	Elastic washer	Φ4	6
11	GB/T 5783-2000	Hexagonal head bolt	M4×12	6
12	GB/T 818-2000	Cross slotted head screw	M6×16	4
13	1230	Ac electric contractor		1
14	DK1230-02.1	Electric control mounting plate		1
15	TY-01.41	relay	SW80	1
16	GB/T 93-1987	Elastic washer	Φ6	2
17	GB/T 95-2002	Flat washer	Φ6	2
18	GB/T 818-2000	Cross slotted head screw	M6×12	2

7.Level System

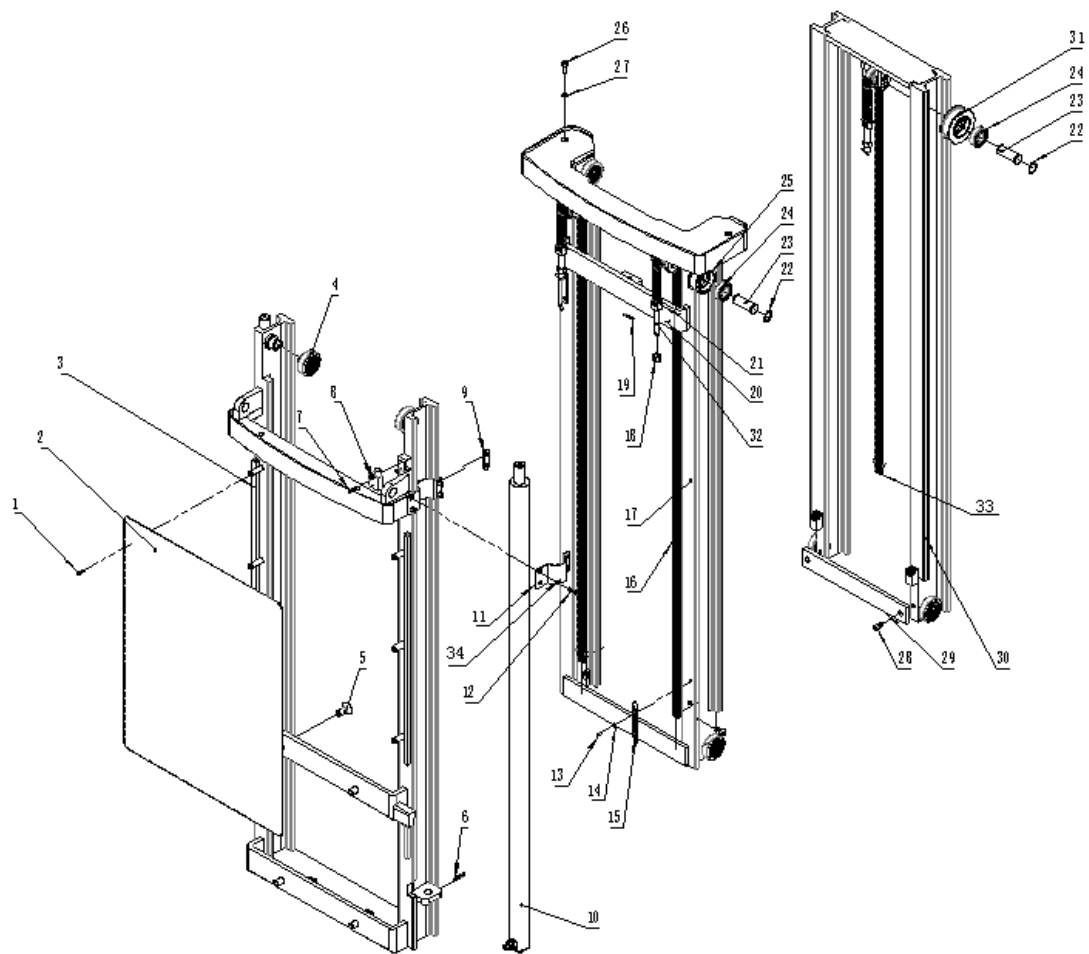
7.1 Level 3 double cylinder system without full free door frame



7.1 Level 3 double cylinder system without full free door frame

The serial number	Code name	The name of the		The number of
1	GB/T 95-2002	Flat washer	Φ8	4
2	GB/T 93-1987	Elastic washer	Φ8	4
3	GB/T 70.1-2000	Hexagon socket head screw	M8×12	3
4	EB20E-01.4	Pump assembly		1
5	EK15A.05.1-6	Right Angle adjustable joint		1
6	EB20E-04.5	hose		1
7	GB982-77	Combined seal ring	Φ16	6
8	EK15A.05.1-4	Directly to the head		6
9	EB20E-01.5	Tubing bridge		1
10	EB20E-04.6	hose		2
11	EB20E-04.5	Lift cylinder assembly		2

7.2 Level 3 does not have full free door frame

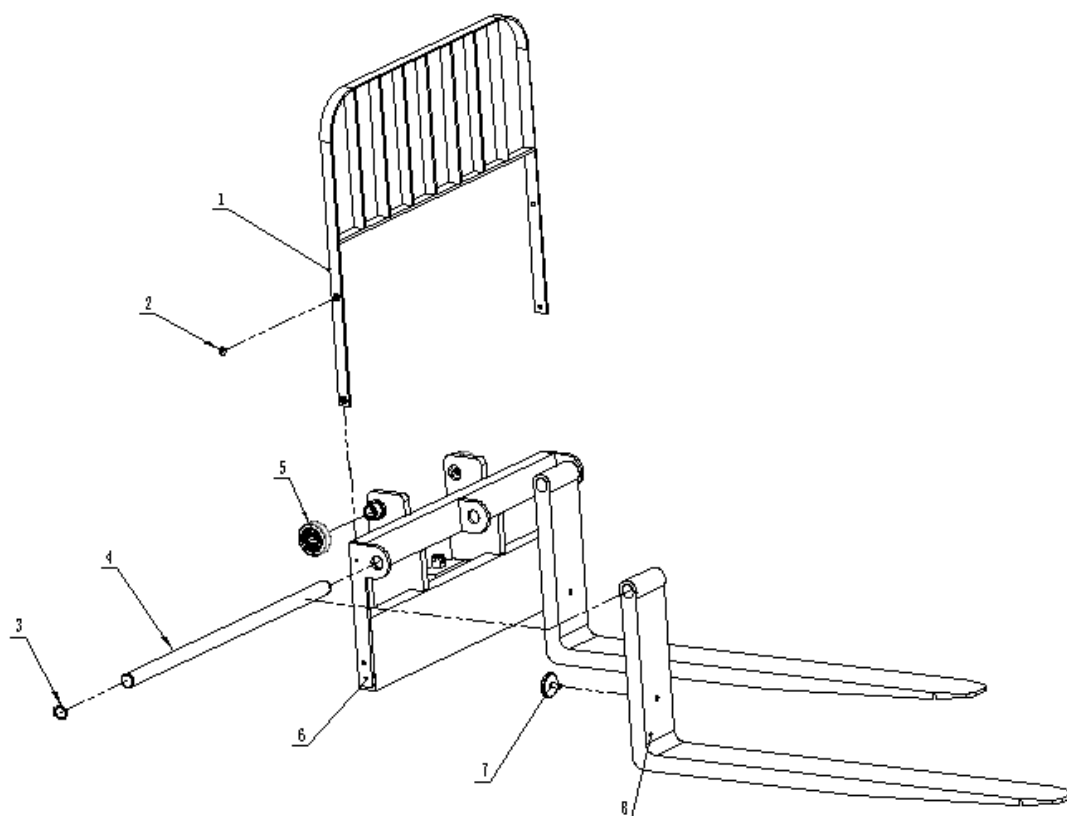


7.2 Level 3 does not have full free door frame

The serial number	Code name	The name of the		The number of
1	GB/T 818-2000	Cross slotted head screw	M6×20	6
2	EB20E-04.1.3	The protective plate		1
3	EB20E-04.1.1	Outside frame welding		1
4	CRA78.3	The main roller		8
5	GB/T 70.3-2000	Hexagon socket head screw	M20×40	4
6	GB/T 70.1-2000	Hexagon socket head screw	M8×30	2
7	GB/T 818-2000	Cross slotted head screw	M4*25	4
8	RZ-15GW2S-B3	Micro switch		2
9	EB20E-04.1.3	Cylinder clamp plate		2
10	EB20E-04.5	Oil cylinder components		2
11	EB20E-04.1.2	Oil cylinder hoop		4
12	GB/T 70.1-2000	Hexagon socket head screw	M8×20	8
13	GB/T 818-2000	Cross slotted head screw	M5X12	4
14	GB/T 95-2002	Flat washer	Φ5	4
15	EB20E-04.2.2	The limit board		2
16	LH0866	Plate chain	161 节	2
17	EB20E-04.2.1	Middle frame welding		1
18	GB/T 6186-1997	Hexagonal lock nut	M16	3
19	GB/T 91-2000	Cotter pin	3*30	3
20	GB/T 91-2000	Cotter pin	1.2*12	12
21	GB 880-86	Perforated pin	5X40	6
22	GB 894.1-86	Shaft with a collar	30	6

23	EK15A.03.3-6	Sprocket shaft		3
24	GB/T 276-94	Deep groove ball bearing	6206	6
25	EK15A.03.2-7	Sprocket B		2
26	GB/T 70.1-2000	Hexagon socket head screw	M10×30	2
27	GB/T 93-1987	Elastic washer	Φ10	2
28	GB/T 70.1-2000	Hexagon socket head screw	M10×20	2
29	EB12E-04.3.2	The inner door frame is down the rail		1
30	EB20A-04.3.1	The inner door frame is welded		1
31	EK15A.03.3-5	Sprocket A		2
32	EK15A.02-4	Chain bolt		3
33	LH0866	Plate chain	155 节	1
34	GB/T 93-1987	Elastic washer	Φ8	8

7.3 Three - section door bracket does not carry full free tray rack



7.3 Three - section door bracket does not carry full free tray rack

The serial number	Code name	The name of the		The number of
1	EB20E-04.5	Guardrail welded		1
2	GB / T70. 3-2000	Hexagon socket head screw	M8×10	4
3	GB894. 1-86	The shaft USES elastic retaining ring type A 32		2
4	EA10.3-2	Long axis	Φ1.3*32.9	1

5	CRA78.3	The main roller		4
6	EB20E-04.4.1	Carriage welded		1
7	EA10.3.2-2	Adjust the stop		2
8	T1.57x4.7x45.28	The forging goods fork		2