



HS RP *Series*

**Mobile elevating
work platform**

HS1523RP

HS1823RP

Parts manual

HANGCHA GROUP CO., LTD.

July, 2024

Foreword

Dear customers, thank you very much for your purchase of the XEN series Self-propelled elevating work platform of HANGCHA Group. Before you order accessories, please confirm the following conditions:

- 1、 Which model does the parts you want to order belong to.
- 2、 Locate the page number of the corresponding part or system in the catalog
- 3、 Find the serial number of the corresponding part in the figure on the page number, and find the code and name of the part in the table.
- 4、 In addition to the above information, we need to be informed of the corresponding quantity.

The legends and tables included in this manual are the latest versions at the time of preparation.

Due to the continuous update of products and technologies, the company reserves the right to update technical parameters and relevant information without prior notice.

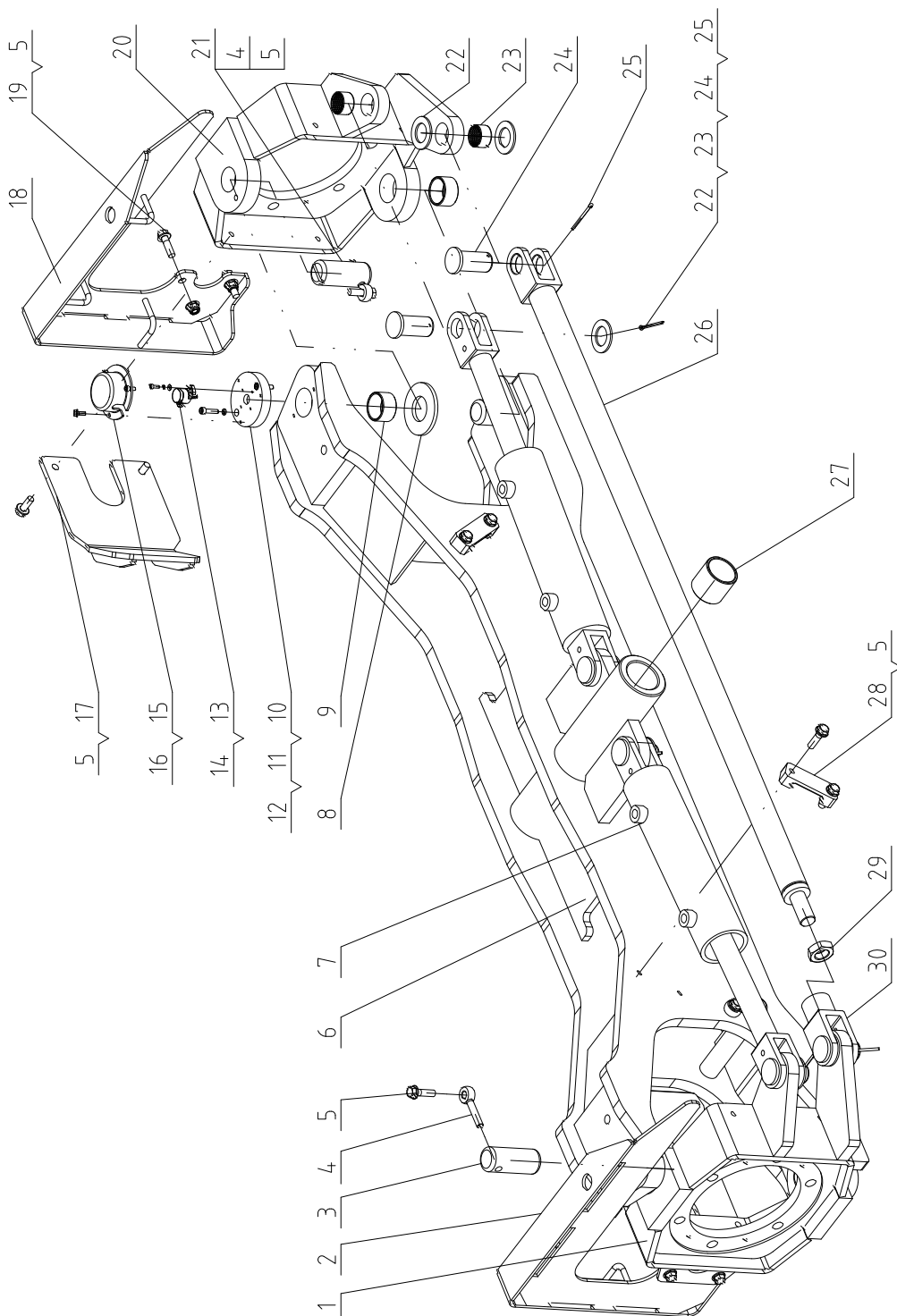
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1 Chassis assembly

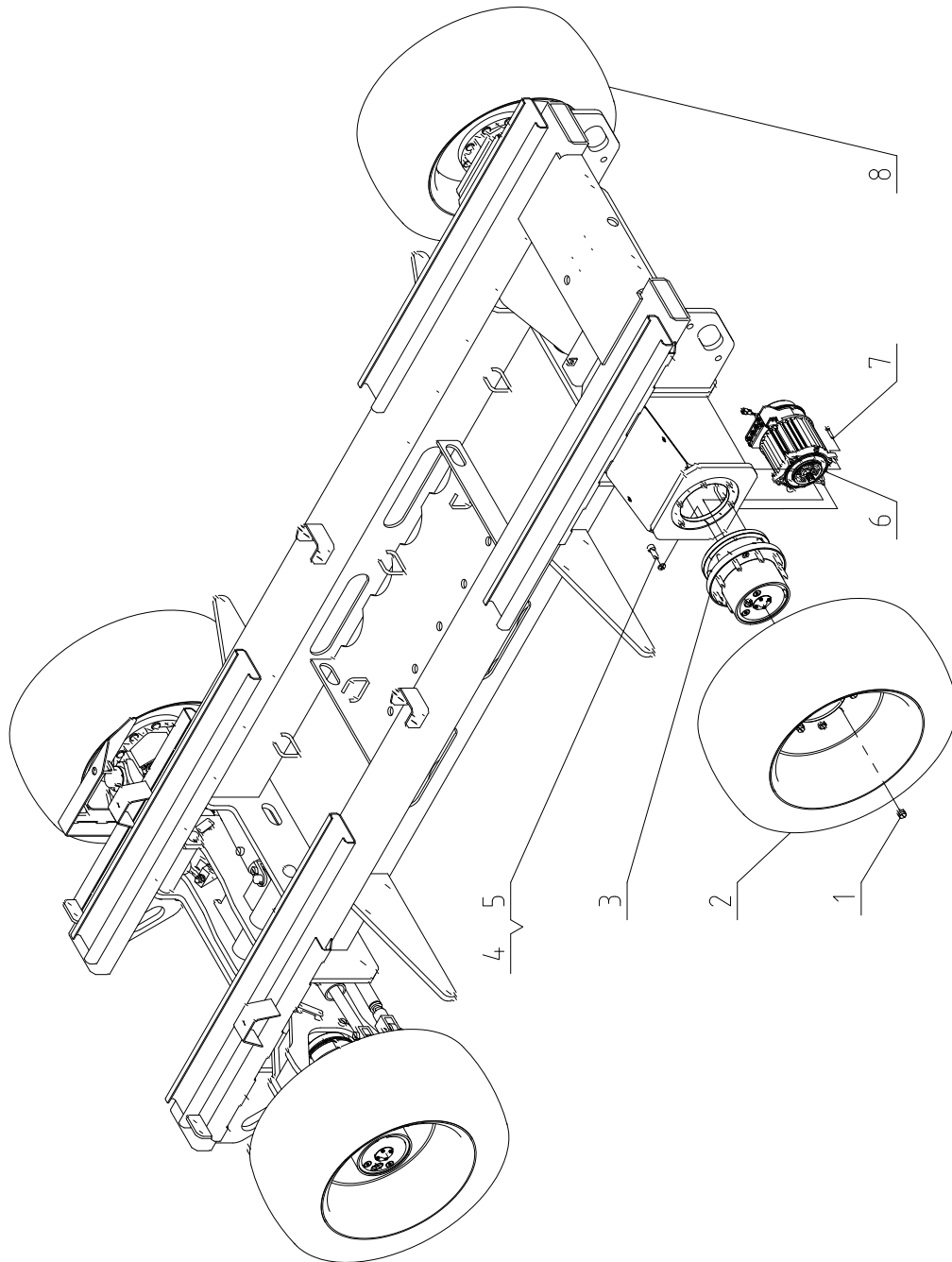
1.1 Front axle components



1.1 Front axle components

Item No.	Material code	Description	Qty	Remark
1	HS1823RPI-210200-000	Left steering knuckle weldment	1	
2	HS1823RPI-210600-000	Left wire harness bracket	1	
3	HS1823RPI-210001-000	Pin 38075	3	
4	GTHZ210C-200006-000	Pin 10060	4	
5	GB/T 5789 M10×30	Bolt M10×30	16	
6	HS1823RPI-210100-000	Front axle weldment	1	
7	HS1823RPI-620300-000	Steering cylinder	2	
8	HS1823RPI-210003-000	Steering washer	2	
9	CT-513825-G00	Fiber bushing	4	
10	HS1823RPI-210004-000	Steering sensor mounting base	1	
11	GB/T 93 6	Washer 6	2	
12	GB/T 70.1 M6×25	Screw M6×25	2	
13	60XEND-741200-G01	Potentiometer	1	
14	GB/T 9074.17 M4×12	Screw M4×12	2	
15	GTHZ210C-200005-000	Steering sensor cover	1	
16	GB/T 5789 M5×12	Screw M5×12	3	
17	HS1823RPI-200200-000	Guard board weldment	2	
18	GB/T 5789 M10×20	Bolt M10×20	4	
19	HS1823RPI-210700-000	Right wire harness bracket	1	
20	HS1823RPI-210300-000	Right steering knuckle weldment	1	
21	HS1823RPI-210002-000	Steering sensor Pin	1	
22	78XEN-300001-000	Shim (thick)	8	
23	CT-103020-G00	Bushing 3020	6	
24	HS1823RPI-210005-000	Pin 30050	6	
25	GB/T 91 4×50	Pin 4×50	6	
26	GTHZ210C-210400-000	Steering rod	1	
27	CT-514550-G00	Fiber bushing	2	
28	HS1823RPI-400007-000	Nylon plate B	2	
29	GB/T 6173 M24×2	Nut M24×2	1	
30	GTHZ210C-210500-000	Connecting base	1	

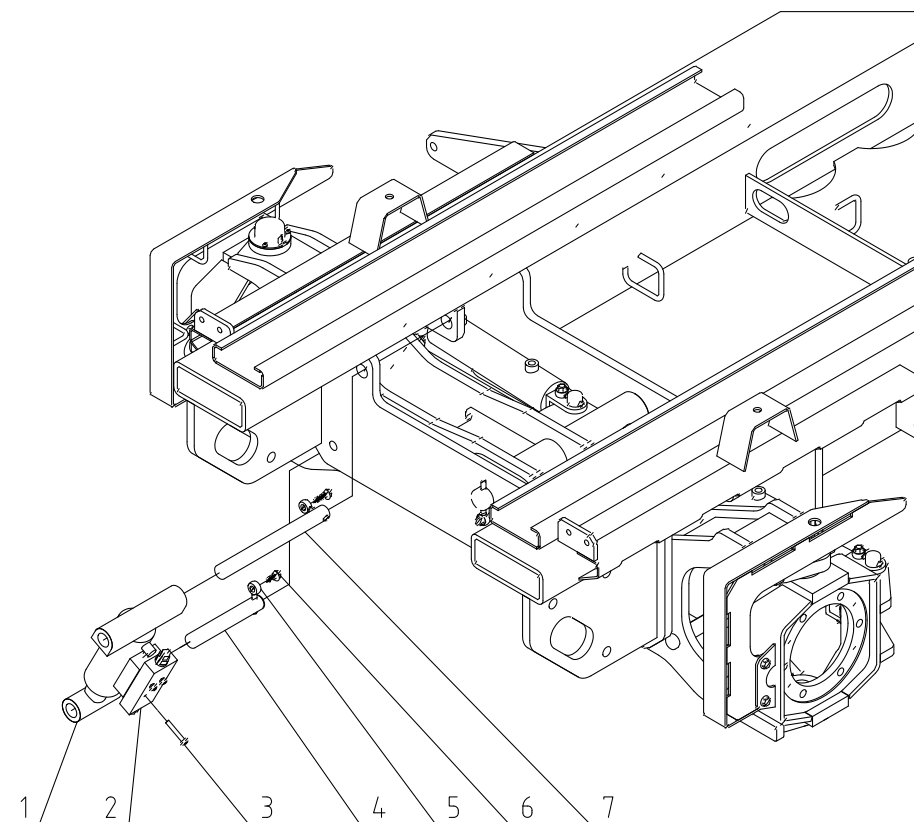
1.2 Motor、Reducer、Tire



1.2 Motor、Reducer、Tire

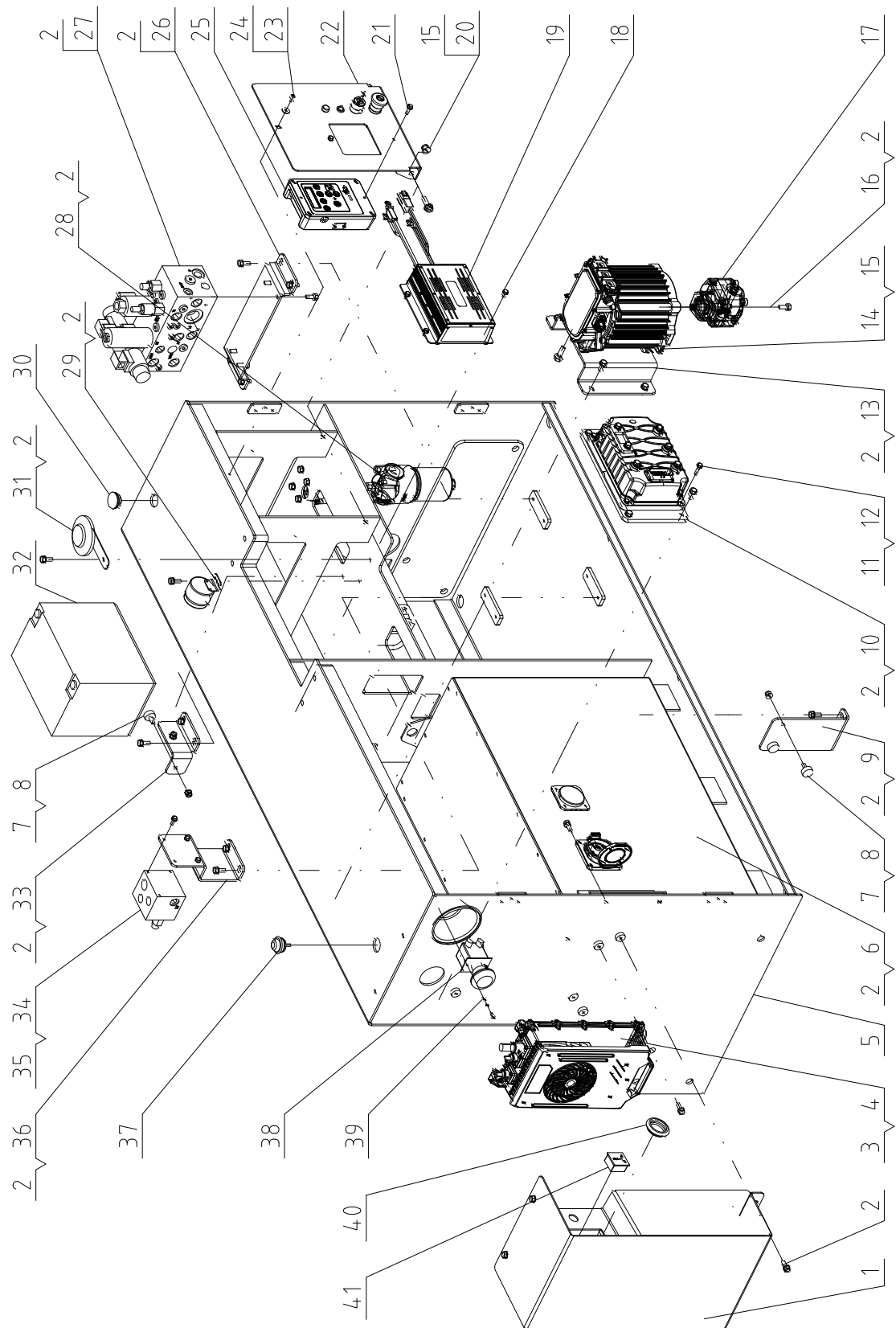
Item No.	Material code	Description	Qty	Remark
1	HZ120P-110002-000	Tire nut	36	
2	GTHZ210C-110000-G00	Left tire	2	
3	HS1823RPI-130000-G00	Reducer	4	
4	GB/T 1230 16	Washer 16	24	
5	GB/T 70.1 M16×35	Screw M16×35	24	
6	HS1416TPI-710100-G00	Travelling motor	4	
7	GB/T 5789 M8×35	Bolt M8×35	16	
8	GTHZ210C-120000-G00	Right tire	2	

1.3 Floating cylinder components



Item No.	Material code	Description	Qty	Remark
1	HS1823RPI-620400-000	Floating cylinder	2	
2	HS1823RPI-640400-000	Floating balance valve	2	Refer to Figure 4.6
3	GB/T 5789 M8×60	Screw M8×60	8	
4	HS1823RPI-200002-000	Pin 30180	2	
5	GTHZ210C-200006-000	Pin 10060	4	
6	GB/T 5789 M10×30	Bolt M10×30	4	
7	HS1823RPI-200003-000	Pin 30280	2	

1.4 Left tray components 1

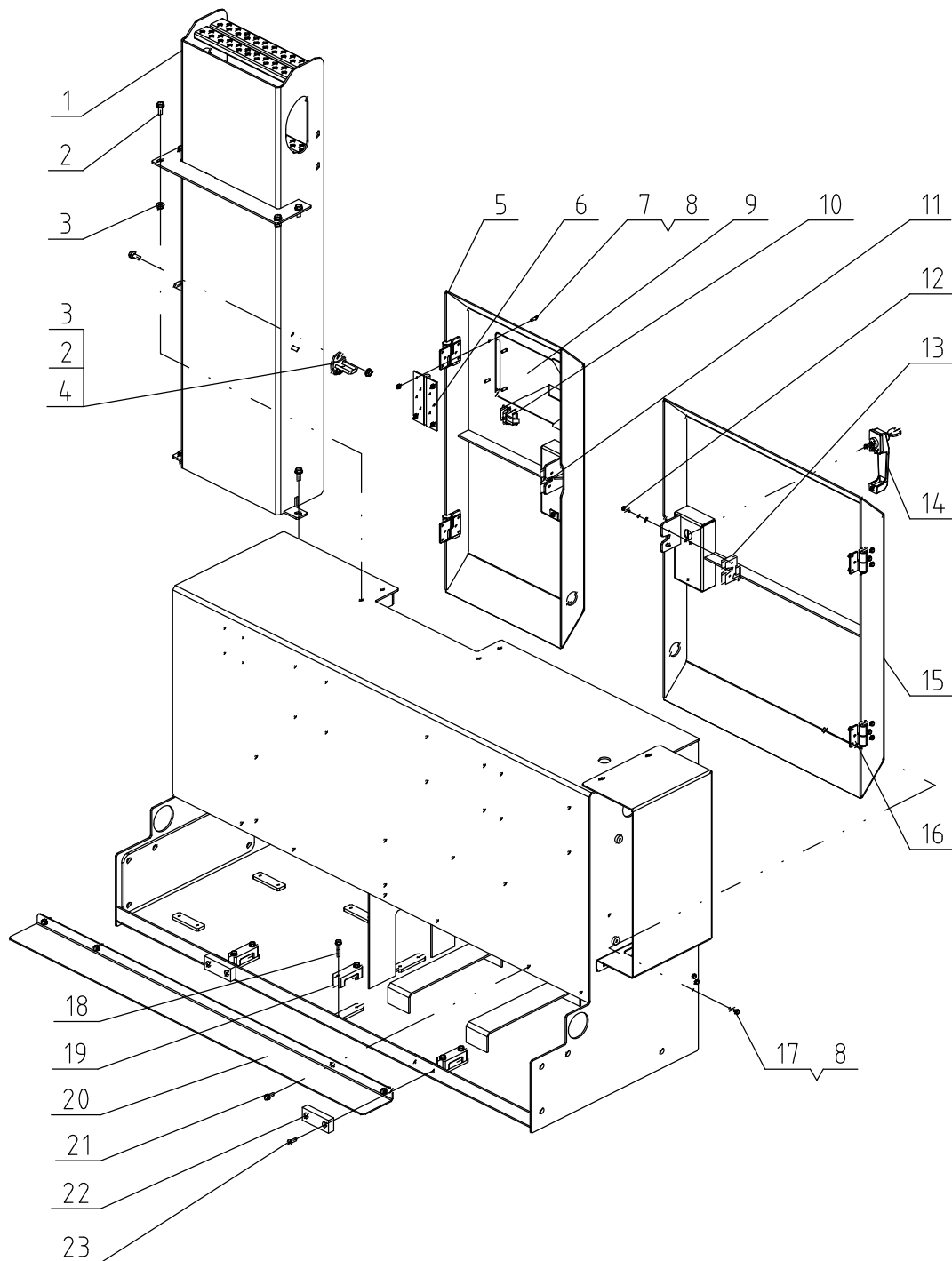


1.4 Left tray components 1

Item No.	Material code	Description	Qty	Remark
1	HS1823RPI-420400-000	Charger cover hood	1	
2	GB/T 5789 M8×20	Bolt M8×20	33	
3	HS1823RPI-780000-G00	Charger	1	
4	GB/T 5789 M6×20	Bolt M6×20	4	
5	HS1823RPI-420100-000	Left tray weldment	1	
6	HS1823RPI-730000-G00	Lithium battery	1	
7	78XEN-830004-000	Shock absorption block	4	
8	GB/T 6183 M8	Nut M8	4	
9	HS1823RPI-420004-000	Battery fixing plate B	1	
10	HS1823RPI-420011-000	Driver aluminum plate	1	
11	HB280PI-750200-G00	Driver	1	
12	GB/T 5789 M6×25	Bolt M6×25	4	
13	HS1823RPI-420009-000	Pump motor bracket	1	
14	HS1416TPI-710200-G00	Pump motor	1	
15	GB/T 5789 M10×30	Bolt M10×30	6	
16	GB/T 5789 M8×16	Bolt M8×16	1	
17	HS1823RPI-660100-000	Gear pump	1	
18	GB/T 5789 M5×12	Bolt M5×12	4	
19	HZ210AI-751300-000	DC converter	1	
20	GB/T 6183 M10	Nut M10	2	
21	GB/T 9074.17 M4×35	Bolt M4×35	2	
22	HS1823RPI-740100-001	Control panel assembly	1	Refer to Figure 5.4
23	GB/T 70.2 M6×16	Screw M6×16	1	
24	GB/T 96 6	Washer 6	1	
25	HS1416TPI-740200-G00	Control module	1	
26	HS1823RPI-420006-001	Lift valve bracket	1	
27	HS1823RPI-640200-001	Lift control valve	1	Refer to Figure 4.4
28	GTHZ210C-600501-G00	Filter	1	
29	NC9717-700500-000	Buzzer	1	
30	HS1823RPI-400020-000	Rubber plug	1	
31	N163-700009-000	Horn	1	
32	60XEND-760100-G00	Maintenance-free battery	1	
33	HS1823RPI-420005-000	Battery fixing plate C	1	
34	HS1823RPI-640100-001	Floating control valve	1	Refer to Figure 4.3

35	GB/T 5789 M6×16	Bolt M6×16	3	
36	HS1823RPI-420007-001	Floating valve bracket	1	
37	78XEN-741101-G02	Warning lamp	1	
38	AIBS600-700001-000	Power off switch	1	
39	GB/T 9074.4 M5×12	Screw M5×12	2	
40	HS1412AI-700002-000	Grommet	1	
41	140XEN-701100-G00	Plug holder	1	

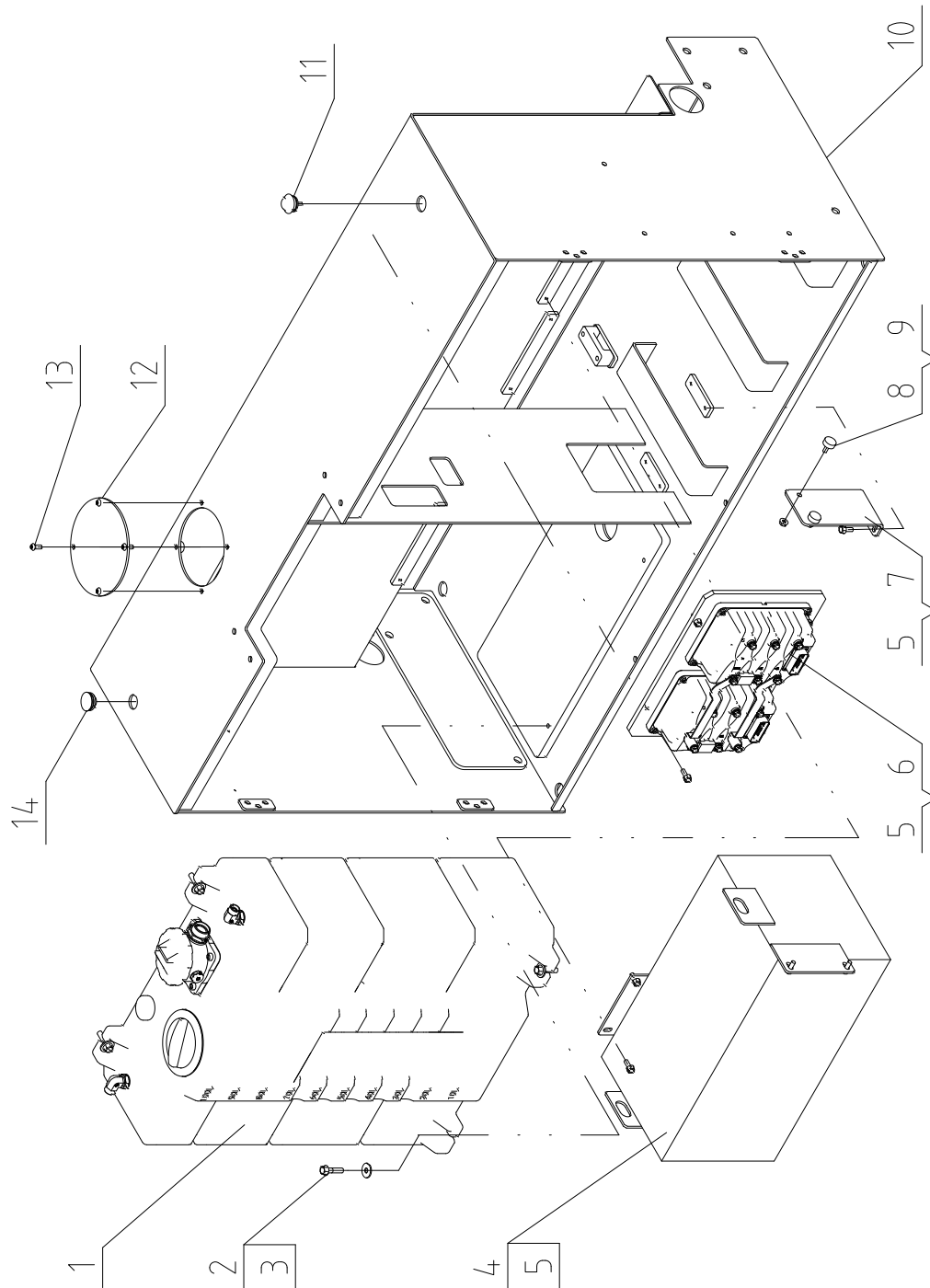
1.5 Left tray components 2



1.5 Left tray components 2

Item No.	Material code	Description	Qty	Remark
1	HS1823RPI-440100-000	Pedal weldment	1	
2	GB/T 5789 M10×25	Bolt M10×25	10	
3	GB/T 6183 M10	Nut M10	10	
4	140XEN-401300-G00	Retaining ring	2	
5	HS1823RPI-420300-000	Cover weldment B	1	
6	GB/T 70.2 M6×20	Screw M6×20	4	
7	GB/T 6183 M6	Nut M6	28	
8	HS1823RPI-400010-000	Hinge	1	
9	HS1823RPI-420012-000	Cover plate	1	
10	HS1823RPI-400011-000	Latch	1	
11	140XEN-401200-G00	Right lock	1	
12	GB/T 9074.17 M6×20	Bolt M6×20	4	
13	140XEN-401100-G00	Left lock	1	
14	140XEN-401400-G00	Handle	2	
15	HS1823RPI-420200-000	Cover weldment A	1	
16	140XEN-800700-000	Hinge	4	
17	GB/T 5789 M6×25	Bolt M6×25	24	
18	GB/T 5789 M8×40	Bolt M8×40	6	
19	HS1823RPI-400006-000	Nylon plate A	3	
20	HS1823RPI-420001-000	Rear baffle	1	
21	GB/T 5789 M8×20	Bolt M8×20	4	
22	78XEN-820007-000	Limit block	2	
23	GB/T 70.3 M8×40	Screw M8×40	4	

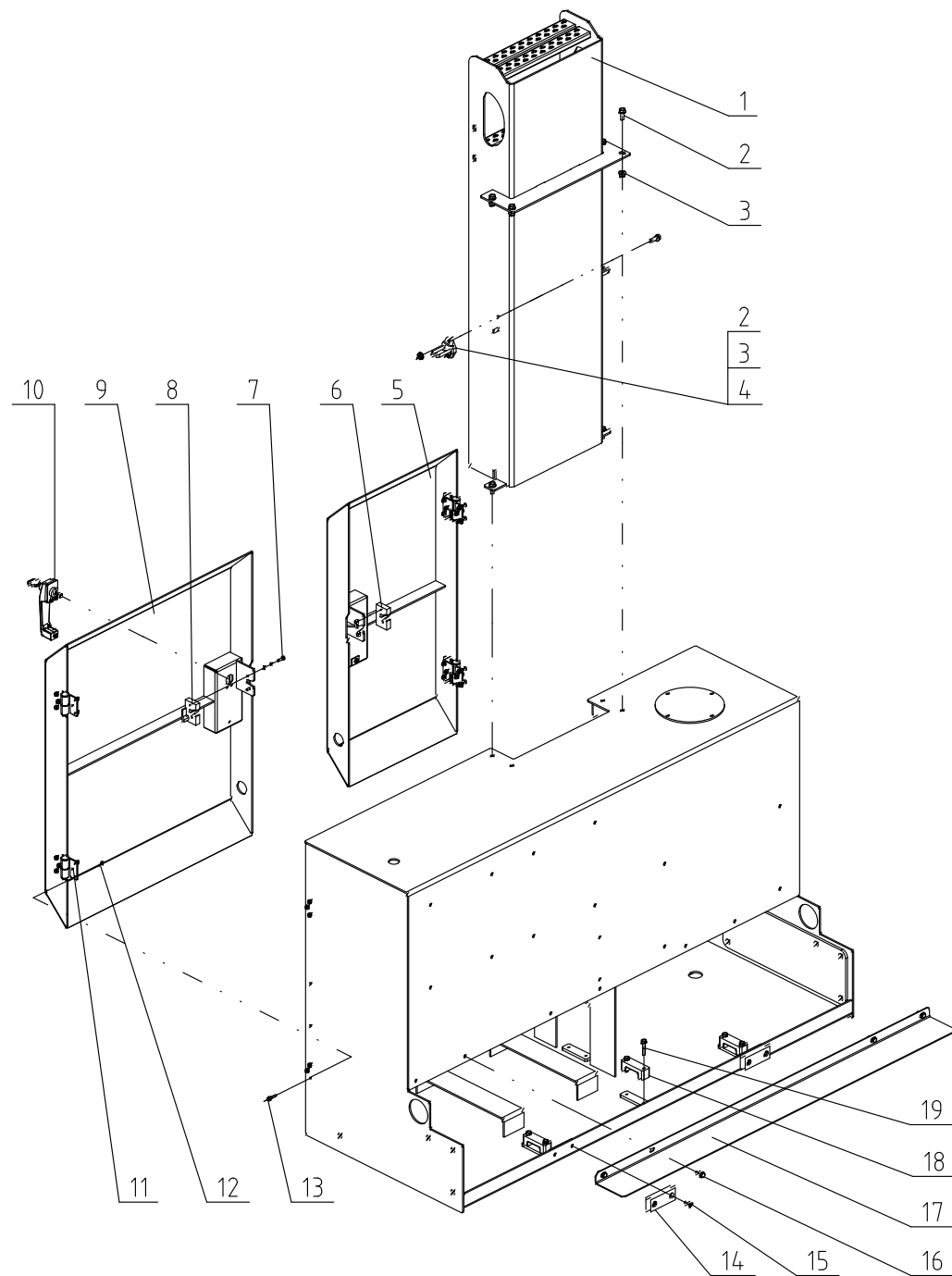
1.6 Right tray components 1



1.6 Right tray components 1

Item No.	Material code	Description	Qty	Remark
1	HB280PI-610000-001	Oil tank	1	
2	GB/T 5789 M10×40	Bolt M10×40	4	
3	GB/T 96.1 10	Washer 10	4	
4	HS1823RPI-430500-000	Counterweight weldment	1	
5	GB/T 5789 M8×20	Bolt M8×20	14	
6	HS1823RPI-741000-G00	Driver assembly	2	Refer to Figure 5.5
7	HS1823RPI-420004-000	Battery fixing plate B	1	
8	78XEN-830004-000	Shock absorption block	2	
9	GB/T 6183 M8	Nut M8	2	
10	HS1823RPI-430100-000	Right tray weldment	1	
11	78XEN-741101-G02	Warning lamp	1	
12	HS1823RPI-430003-000	Cover plate	1	
13	GB/T 70.2 M8×20	Screw M8×20	4	
14	HS1823RPI-400020-000	Rubber plug	1	

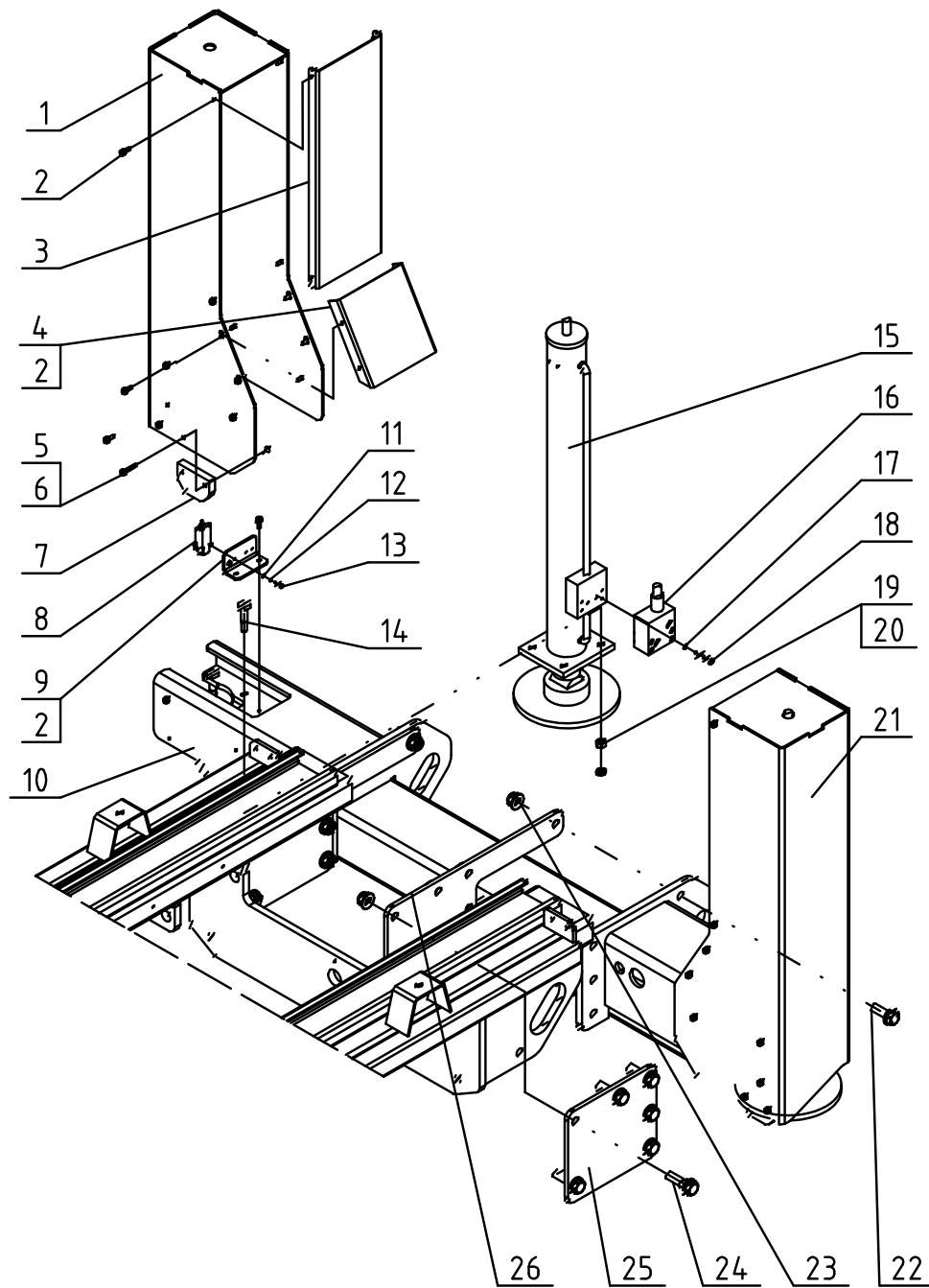
1.7 Right tray components 2



1.7 Right tray components 2

Item No.	Material code	Description	Qty	Remark
1	HS1823RPI-440100-000	Pedal weldment	1	
2	GB/T 5789 M10×25	Bolt M10×25	10	
3	GB/T 6183 M10	Nut M10	10	
4	140XEN-401300-G00	Retaining ring	2	
5	HS1823RPI-430300-000	Cover weldment D	1	
6	140XEN-401100-G00	Left lock	1	
7	GB/T 9074.17 M6×20	Bolt M6×20	4	
8	140XEN-401200-G00	Right lock	1	
9	140XEN-401400-G00	Handle	2	
10	HS1823RPI-430200-000	Cover weldment C	1	
11	140XEN-800700-000	Hinge	4	
12	GB/T 6183 M6	Nut M6	24	
13	GB/T 5789 M6×25	Bolt M6×25	24	
14	78XEN-820007-000	Limit block	2	
15	GB/T 70.3 M8×40	Screw M8×40	4	
16	GB/T 5789 M8×20	Bolt M8×20	4	
17	HS1823RPI-420001-000	Rear baffle	1	
18	HS1823RPI-400006-000	Nylon plate A	3	
19	GB/T 5789 M8×40	Bolt M8×40	6	

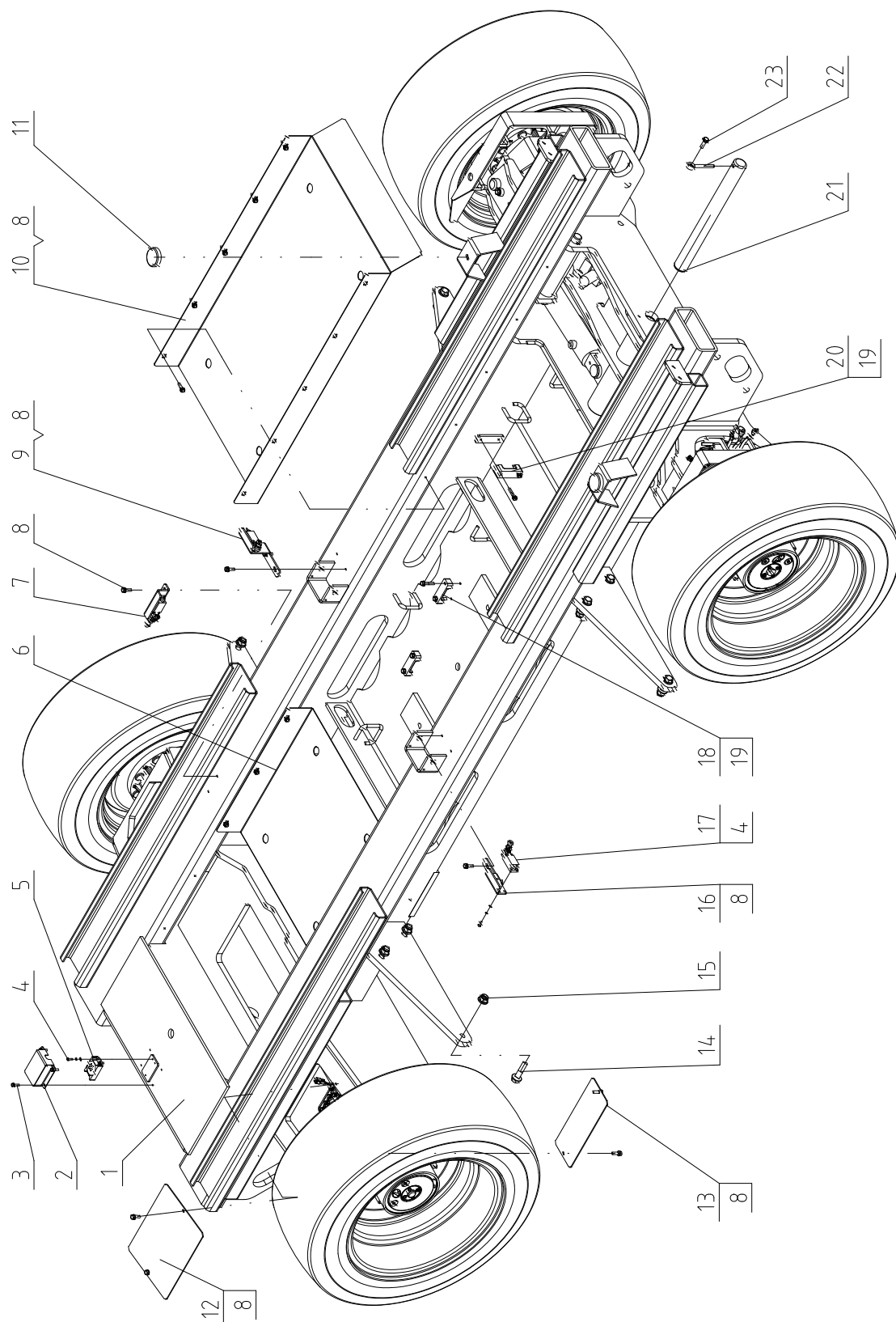
1.8 Outrigger components



1.8 Outrigger components

Item No.	Material code	Description	Qty	Remark
1	HS1823RPI-450300-000	Right cover hood weldment	2	
2	GB/T 5789 M8×20	Bolt M8×20	64	
3	HS1823RPI-450400-000	Upper cover plate weldment	4	
4	HS1823RPI-450500-000	Lower cover plate weldment	4	
5	GB/T 5789 M8×40	Bolt M8×40	8	
6	GB/T 6183 M8	Nut M8	8	
7	HS1823RPI-450004-000	Shock absorption block	4	
8	GTWZ110-750400-G00	Limit switch	4	
9	HS1823RPI-450003-000	Limit bracket plate	4	
10	HS1823RPI-450100-000	Bracket	2	
11	GB/T 97.1 5	Washer 5	8	
12	GB/T 93 5	Washer 5	8	
13	GB/T 818 M5×16	Crosshead screw M5×16	8	
14	HS1823RPI-450005-000	Special bolt	16	
15	HS1823RPI-620500-001	Outrigger cylinder	4	
16	HS1823RPI-640500-000	Outrigger solenoid valve	4	Refer to Figure 4.7
17	GB/T 93 8	Washer 8	16	
18	GB/T 70.1 M8×55	Screw M8×55	16	
19	GB/T 6170 M14	Nut M14	16	
20	GB/T 6172 M14	Nut M14	16	
21	HS1823RPI-450200-000	Left cover hood weldment	2	
22	GB/T 5789 M20×65	Bolt M20×65	4	
23	GB/T 6183 M20	Nut M20	28	
24	GB/T 5789 M20×80	Bolt M20×80	24	
25	HS1823RPI-450001-000	Connecting plate A	4	
26	HS1823RPI-450002-000	Connecting plate B	4	

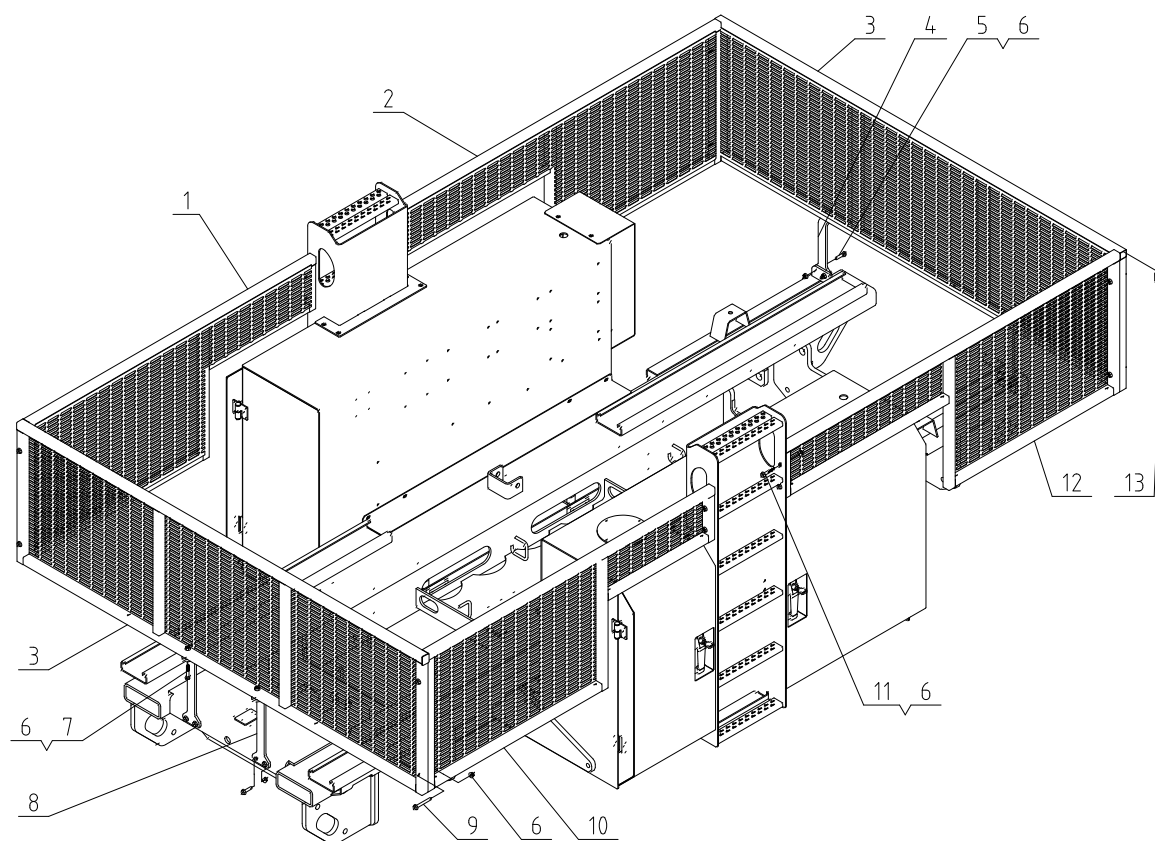
1.9 Frame and accessories components



1.9 Frame and accessories components

Item No.	Material code	Description	Qty	Remark
1	HS1823RPI-410000-001	Frame	1	
2	HS1823RPI-400100-000	Cover plate weldment A	1	
3	GB/T 5789 M6×20	Bolt M6×20	4	
4	GB/T 9074.17 M5×16	Screw M5×16	9	
5	HS1416TPI-740700-G00	Angle sensor	1	
6	HS1823RPI-400005-000	Rear cover plate	1	
7	HS1823RPI-400003-000	Limit bracket C	1	
8	GB/T 5789 M8×20	Bolt M8×20	30	
9	HS1823RPI-400002-000	Limit bracket B	1	
10	HS1823RPI-400004-000	Front cover plate	1	
11	HS1823RPI-900004-000	Shock absorption pad	2	
12	HS1823RPI-400013-000	Rear axle cover plate	2	
13	HS1823RPI-400014-000	Rear axle cover plate	2	
14	GB/T 5789 M16×60	Bolt M16×60	16	
15	GB/T 6183 M16	Nut M16	16	
16	HS1823RPI-400001-000	Limit bracket A	1	
17	GTWZ110-750400-G00	Limit switch	3	
18	HS1823RPI-400007-000	Nylon plate B	6	
19	GB/T 5789 M8×40	Bolt M8×40	16	
20	HS1823RPI-400006-000	Nylon plate A	2	
21	HS1823RPI-200001-000	Pin 45465	1	
22	HB280PI-210007-000	Pin 10090	1	
23	GB/T 5789 M10×30	Bolt M10×30	1	

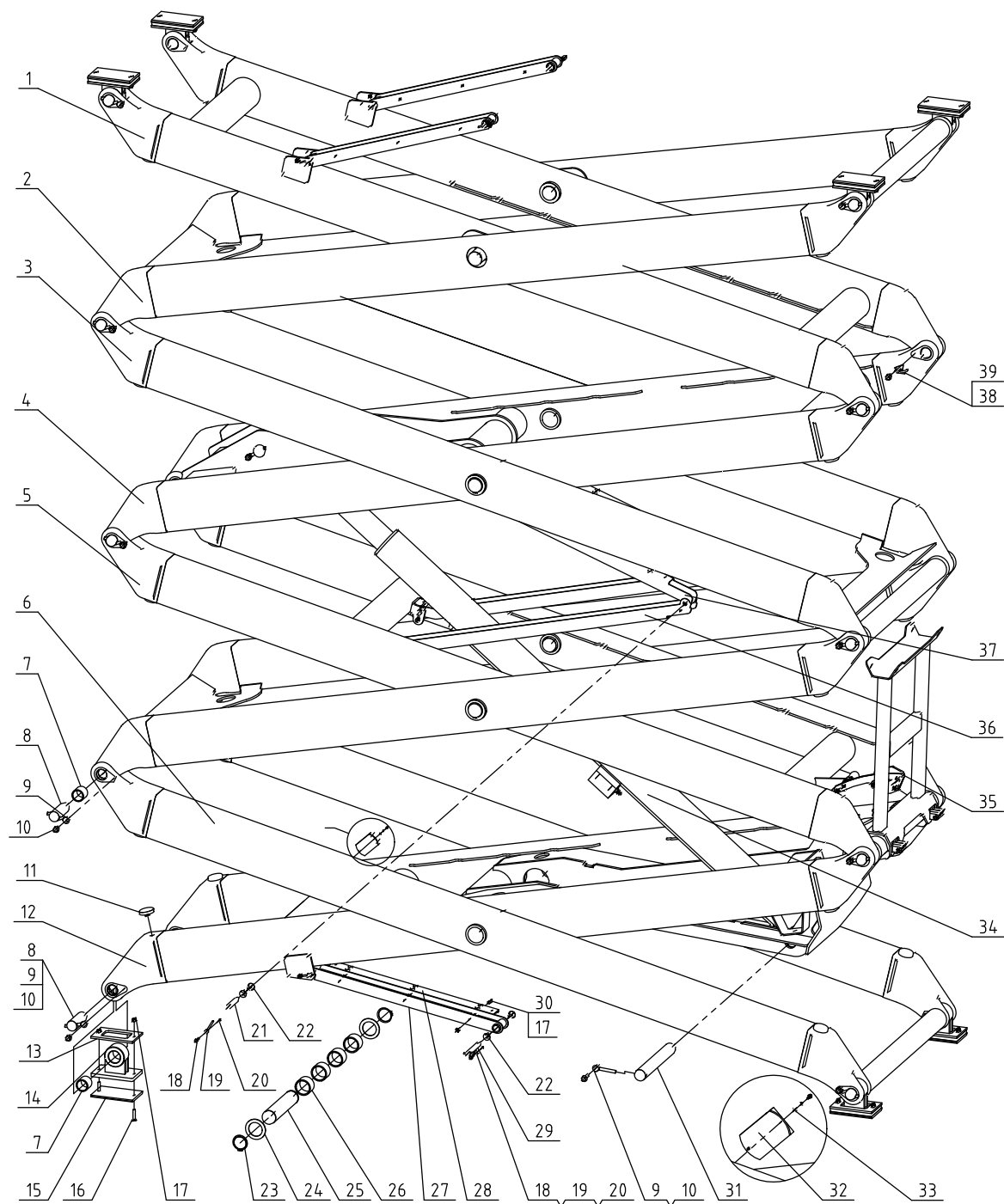
1.10 Guardrail components



Item No.	Material code	Description	Qty	Remark
1	HS1823RPI-460200-000	Side guardrail B	1	
2	HS1823RPI-460100-000	Side guardrail A	1	
3	HS1823RPI-460500-000	Rear guardrail	2	
4	HS1823RPI-460001-000	Front mounting plate	2	
5	GB/T 5789 M10×40	Bolt M10×40	8	
6	GB/T 6183 M10	Nut M10	32	
7	GB/T 5789 M10×60	Bolt M10×60	4	
8	HS1823RPI-460002-000	Rear mounting plate	2	
9	GB/T 5789 M10×90	Bolt M10×90	12	
10	HS1823RPI-460400-000	Side guardrail D	1	
11	GB/T 5789 M10×55	Bolt M10×55	8	
12	HS1823RPI-460300-000	Side guardrail C	1	
13	HS1823RPI-800025-000	Plastic plug	1	

2 Scissors

2.1 Scissors assembly (HS1523RP)

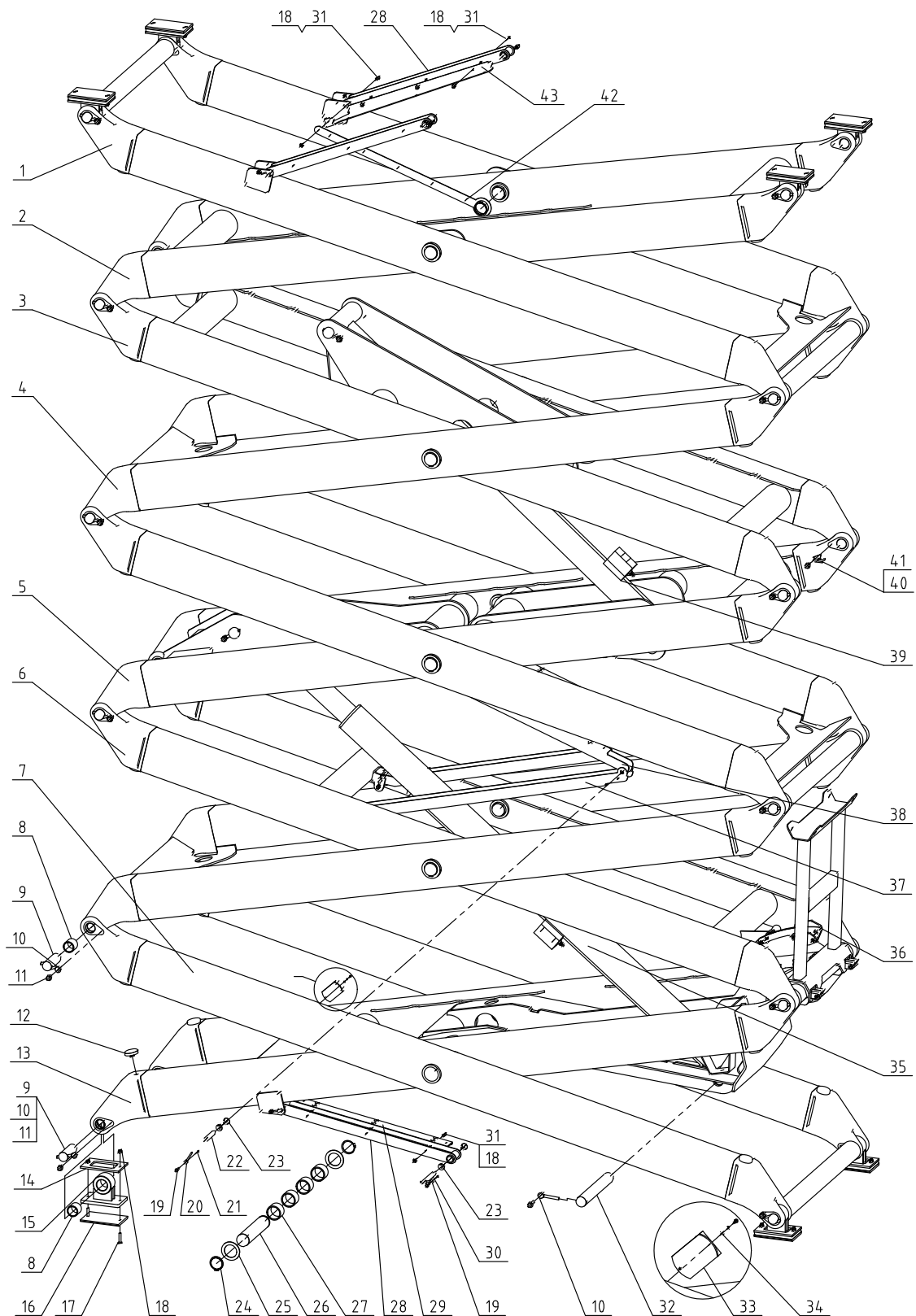


2.1 Scissors assembly (HS1523RP)

Item No.	Material code	Description	Qty	Remark
1	HS1523RPI-910400-000	Inner bracket D	1	
2	HS1523RPI-920400-000	Outer bracket D	1	
3	HS1823RPI-920300-000	Outer bracket C	2	
4	HS1523RPI-910300-000	Inner bracket C	1	
5	HS1823RPI-910200-000	Inner bracket B	1	
6	HS1823RPI-920100-000	Outer bracket A	1	
7	CT-514550-G00	Fiber bushing	20	
8	HS1823RPI-901004-000	Pin 45125	20	
9	HS1823RPI-901001-000	Pin 12090	24	
10	GB/T5789 M12×30	Bolt M12×30	26	
11	HS1823RPI-900004-000	Shock absorption pad	18	
12	HS1823RPI-910100-000	Inner bracket A	1	
13	HS1823RPI-900002-000	Slider	8	
14	HS1823RPI-900500-000	Support base	8	
15	HS1823RPI-900001-000	Slider	8	
16	GB/T 70.3 M10×50	Screw M10×50	16	
17	GB/T 6183 M10	Nut M10	22	
18	GB/T 5789 M8×30	Bolt M8×30	14	
19	HS1823RPI-901002-000	Pin 06060	14	
20	GB/T 6183 M8	Nut M8	14	
21	HS1823RPI-901007-000	Pin 20100	6	
22	CT-220165-G00	Flange bushing	28	
23	JB/ZQ 4342 60	Circlip for heavy duty shaft 60	16	
24	HS1823RPI-900010-000	Washer (Large)	16	
25	HS1823RPI-901003-000	Pin 60266	8	
26	CT-526045-G00	Fiber bushing	32	
27	HS1823RPI-900400-000	Pull rod	4	
28	HS1823RPI-900201-000	Folded plate A	2	
29	HS1823RPI-901006-000	Pin 20130	4	
30	GB/T 5789 M10×25	Bolt M10×25	6	
31	HS1823RPI-901005-000	Pin 50365	2	
32	78XEN-741200-G00	Height sensor	1	
33	GB/T 9074.17 M4×12	Bolt M4×12	2	
34		Lower lifting cylinder components	1	Refer to Figure 2.4

35		Maintenance boom components	1	Refer to Figure 2.3
36	HS1823RPI-900301-000	Trunking A	2	
37	HS1823RPI-900302-000	Trunking B	2	
38	HS1823RPI-900600-000	Wiring rack	4	
39	GB/T5789 M12×25	Bolt M12×25	4	

2.2 Scissors assembly (HS1823RP)

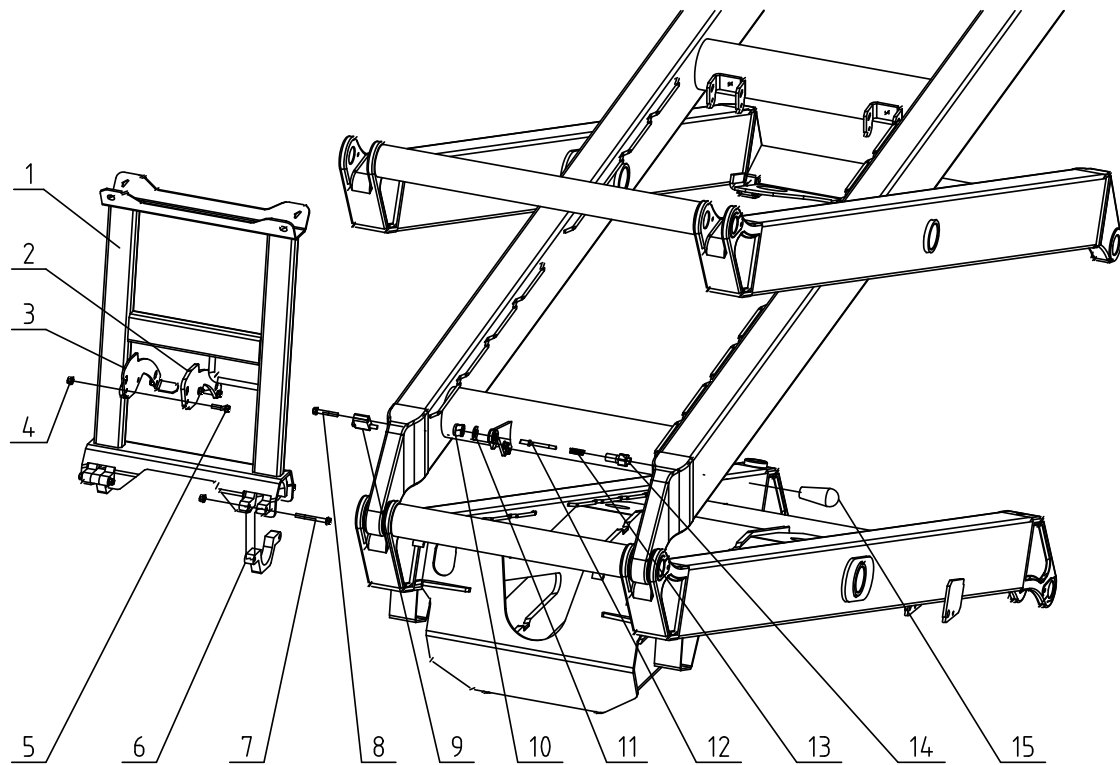


2.2 Scissors assembly (HS1823RP)

Item No.	Material code	Description	Qty	Remark
1	HS1823RPI-920500-000	Outer bracket E	1	
2	HS1823RPI-910500-000	Inner bracket E	1	
3	HS1823RPI-910400-000	Inner bracket D	1	
4	HS1823RPI-920300-000	Outer bracket C	3	
5	HS1823RPI-910300-000	Inner bracket C	1	
6	HS1823RPI-910200-000	Inner bracket B	1	
7	HS1823RPI-920100-000	Outer bracket A	1	
8	CT-514550-G00	Fiber bushing	24	
9	HS1823RPI-901004-000	Pin 45125	24	
10	HS1823RPI-901001-000	Pin 12090	28	
11	GB/T5789-1986	Bolt M12×30	32	
12	HS1823RPI-900004-000	Shock absorption pad	22	
13	HS1823RPI-910100-000	Inner bracket A	1	
14	HS1823RPI-900002-000	Slider	8	
15	HS1823RPI-900500-000	Support base	8	
16	HS1823RPI-900001-000	Slider	8	
17	GB/T 70.3 M10×50	Screw M10×50	16	
18	GB/T 6183 M10	Nut M10	26	
19	GB/T 5789 M8×30	Bolt M8×30	14	
20	HS1823RPI-901002-000	Pin 06060	14	
21	GB/T 6183 M8	Nut M8	14	
22	HS1823RPI-901007-000	Pin 20100	6	
23	CT-220165-G00	Flange bushing	28	
24	JB/ZQ 4342 60	Circlip for heavy duty shaft 60	20	
25	HS1823RPI-900010-000	Washer (large)	20	
26	HS1823RPI-901003-000	Pin 60266	10	
27	CT-526045-G00	Fiber bushing	40	
28	HS1823RPI-900400-000	Pull rod	4	
29	HS1823RPI-900201-000	Folded plate A	2	
30	HS1823RPI-901006-000	Pin 20130	4	
31	GB/T 5789 M10×25	Bolt M10×25	10	
32	HS1823RPI-901005-000	Pin 50365	4	
33	78XEN-741200-G00	Height sensor	1	
34	GB/T 9074.17 M4×12	Bolt M4×12	2	
35		Lower lifting cylinder	1	Refer to Figure

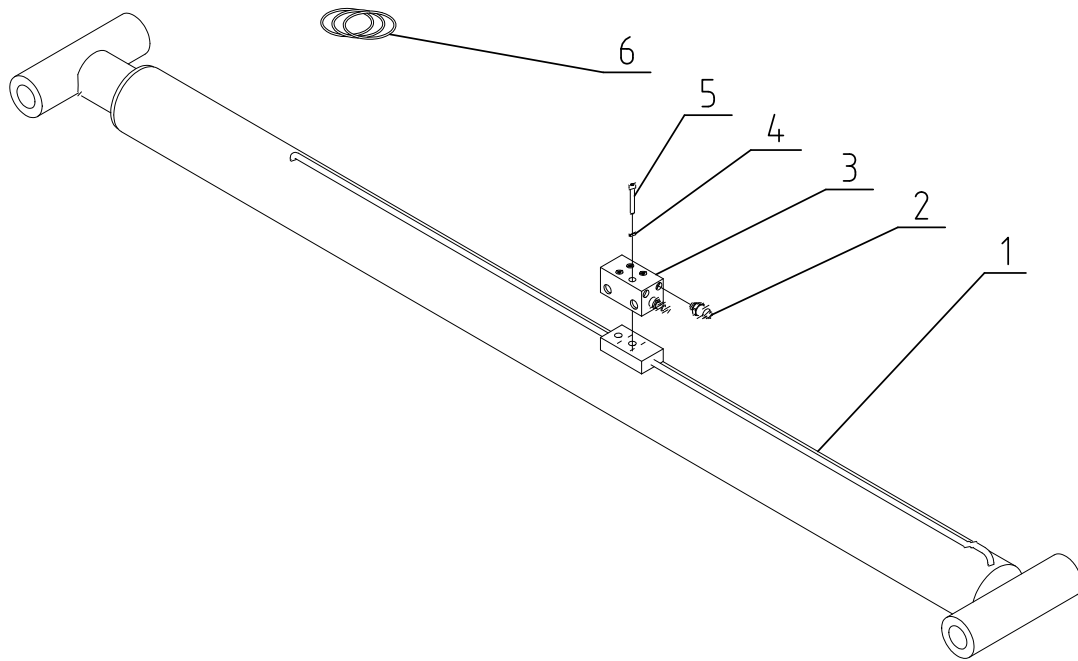
		components		2.4
36		Maintenance boom components	1	Refer to Figure 2.3
37	HS1823RPI-900301-000	Trunking A	2	
38	HS1823RPI-900302-000	Trunking B	2	
39		Upper lifting cylinder components	1	Refer to Figure 2.5
40	HS1823RPI-900600-000	Wiring rack	4	
41	GB/T5789 M12×25	Bolt M12×25	4	
42	HS1823RPI-900204-000	Wiring board	1	
43	HS1823RPI-900203-000	Upper folded plate	1	

2.3 Maintenance boom components



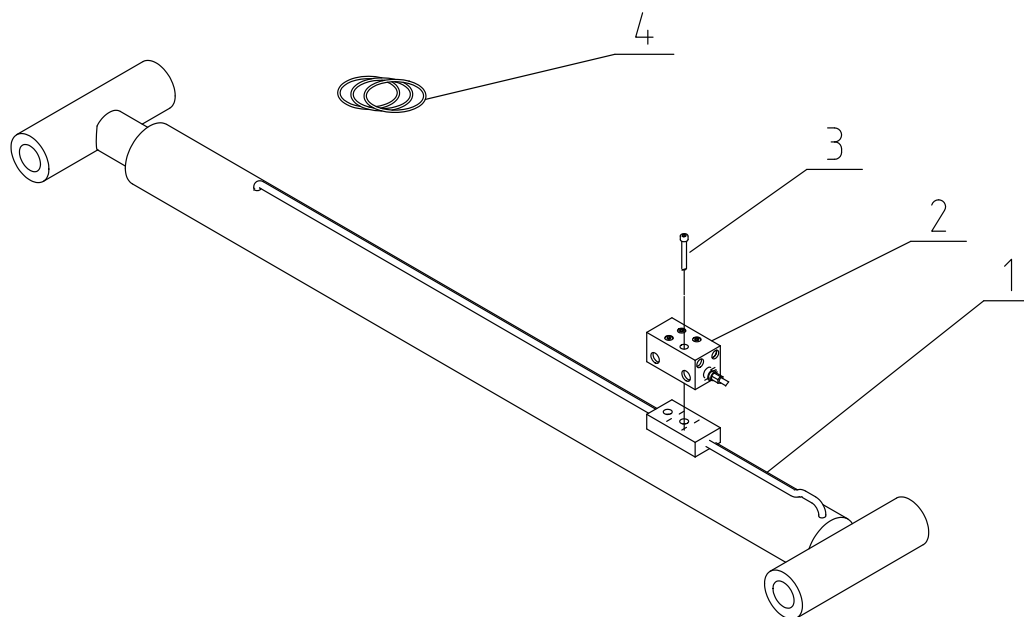
Item No.	Material code	Description	Qty	Remark
1	HS1823RPI-900100-000	Weldment	1	
2	GB/T 6183 M10	Nut M10	9	
3	HS1823RPI-900005-000	Slider	1	
4	HS1823RPI-900011-000	Limit plate	1	
5	GB/T 5789 M10×40	Bolt M10×40	3	
6	HS1823RPI-900003-000	Retaining ring	6	
7	GB/T 5789 M10×90	Bolt M10×90	4	
8	GB/T 5789 M10×60	Bolt M10×60	2	
9	HS1823RPI-900006-000	Limit block	1	
10	GB/T 889.1 M20	Nut M20	1	
11	GB/T 97.1 20	Washer 20	4	
12	HS1823RPI-900012-000	Latch	1	
13	HS1823RPI-900014-000	Spring	1	
14	HS1823RPI-900015-000	Thread bushing	1	
15	HS1823RPI-900013-000	Latch handle	1	

2.4 Lower lifting cylinder components



Item No.	Material code	Description	Qty	Remark
1	HS1823RPI-620100-000	Lower lifting cylinder	1	
2	78XEN-741300-G01	Pressure sensor	1	
3	HS1823RPI-640300-001	Cylinder valve	1	Refer to Figure 4.5
4	GB/T 93 8	Washer 8	4	
5	GB/T 70.1 M8×60	Screw M8×60	4	
6	HS1823RPI-620001-000	Repair kit	1	

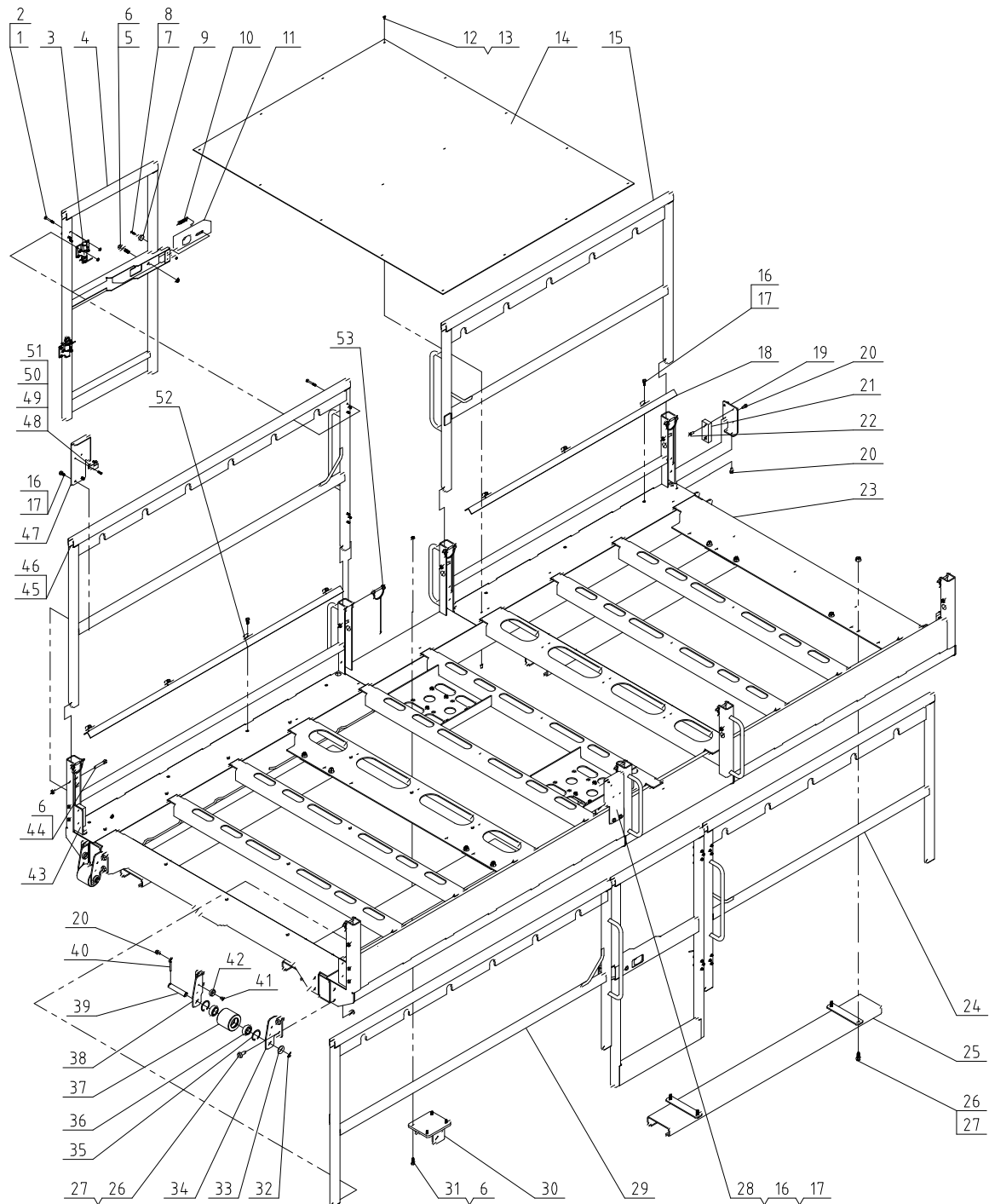
2.5 Upper lifting cylinder components



Item No.	Material code	Description	Qty	Remark
1	HS1823RPI-620200-000	Upper lifting cylinder	1	
2	HS1823RPI-640600-001	Cylinder valve	1	Refer to Figure 4.6
3	GB/T 5789 M8×60	Bolt M8×60	4	
4	HS1823RPI-620002-000	Repair kit	1	

3 Platform

3.1 Fixed platform components

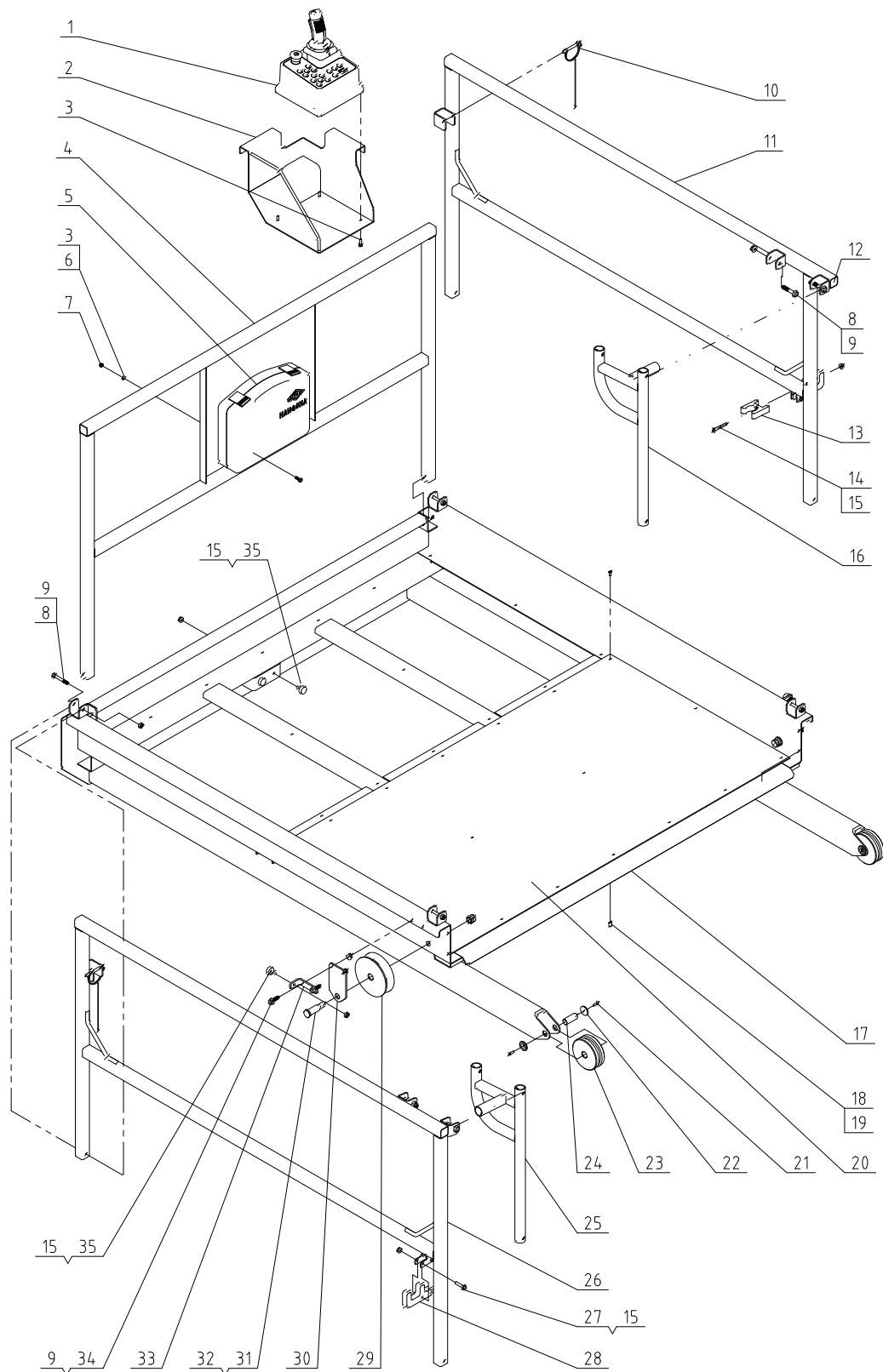


3.1 Fixed platform components

Item No.	Material code	Description	Qty	Remark
1	GB/T 5789 M6×50	Bolt M6×50	24	
2	GB/T 6183 M6	Nut M6	24	
3	140XEN-800600-000	Spring hinge	4	
4	HS1823RPI-810600-000	Side door	2	
5	GB/T 5789 M10×55	Bolt 10×55	2	
6	GB/T 6183 M10	Nut M10	18	
7	GB/T 5783 M5×16	Bolt M5×16	4	
8	GB/T 6183 M5	Nut M5	4	
9	60XEND-800012-000	Rubber pad	4	
10	140XEN-800009-000	Spring	2	
11	140XEN-800001-000	Plastic latch	2	
12	GB/T 17880.4 M6×16	Rivet nut M6×16	48	
13	GB/T 70.2M6×16	Screw M6×16	48	
14	HS1823RPI-800001-000	Base plate	3	
15	HS1823RPI-810500-000	Right rear guardrail	1	
16	GB/T 6183 8	Nut M8	14	
17	GB/T 5789 M8×20	Bolt M8×20	18	
18	HS1823RPI-800400-000	Short guide rail	2	
19	HS1823RPI-800018-000	Roller limit right bracket	2	
20	GB/T 5789 M8×16	Bolt M8×16	20	
21	78XEN-820007-000	Limit block	4	
22	GB/T 70.3 M8×25	Screw M8×25	8	
23	HS1823RPI-810100-000	Fixed platform	1	
24	HS1823RPI-810400-000	Left rear guardrail	1	
25	HS1823RPI-800100-000	Slide rail weldment	4	
26	GB/T 5789 M12×30	Bolt 12×30	32	
27	GB/T 6183 M12	Nut M12	32	
28	HS1823RPI-800020-000	Joint fixing plate	1	
29	HS1823RPI-810200-000	Left front guardrail	1	
30	HS1823RPI-800200-000	Connecting bracket	2	
31	GB/T 5789 M10×30	Bolt 10×30	8	
32	JB/ZQ 4342 20	Circlip for heavy duty shaft 20	4	
33	GB/T 97.1 20	Washer20	4	
34	HS1823RPI-800016-000	Roller right bracket	4	
35	GB/T 893.1 47	Circlip 47	8	

36	GB/T 276 6204-2Z	Bearing 6204-2Z	8	
37	HS1823RPI-800006-000	Roller	4	
38	HS1823RPI-800015-000	Roller left bracket	4	
39	HS1823RPI-800013-000	Pin 20100	4	
40	HS1823RPI-901002-000	Pin 06060	4	
41	GB/T 70.3 M8×16	Screw M8×16	8	
42	HS1823RPI-800007-000	Block	8	
43	HS1823RPI-800017-000	Roller limit left bracket	2	
44	GB/T 5789 M10×65	Bolt 10×65	8	
45	HS1823RPI-810300-000	Right front guardrail	1	
46	HS1823RPI-800025-000	Plastic plug	12	
47	HS1823RPI-801100-000	Adapter bracket	1	
48	78XEN-200002-000	Press plate	1	
49	GB/T 97.1 5	Washer 5	2	
50	GB/T 93 5	Washer 5	2	
51	GB/T 70.2 M5×12	Screw M5×12	2	
52	HS1823RPI-800300-000	Long guide rail	2	
53	140XEN-800800-000	D-pin	8	

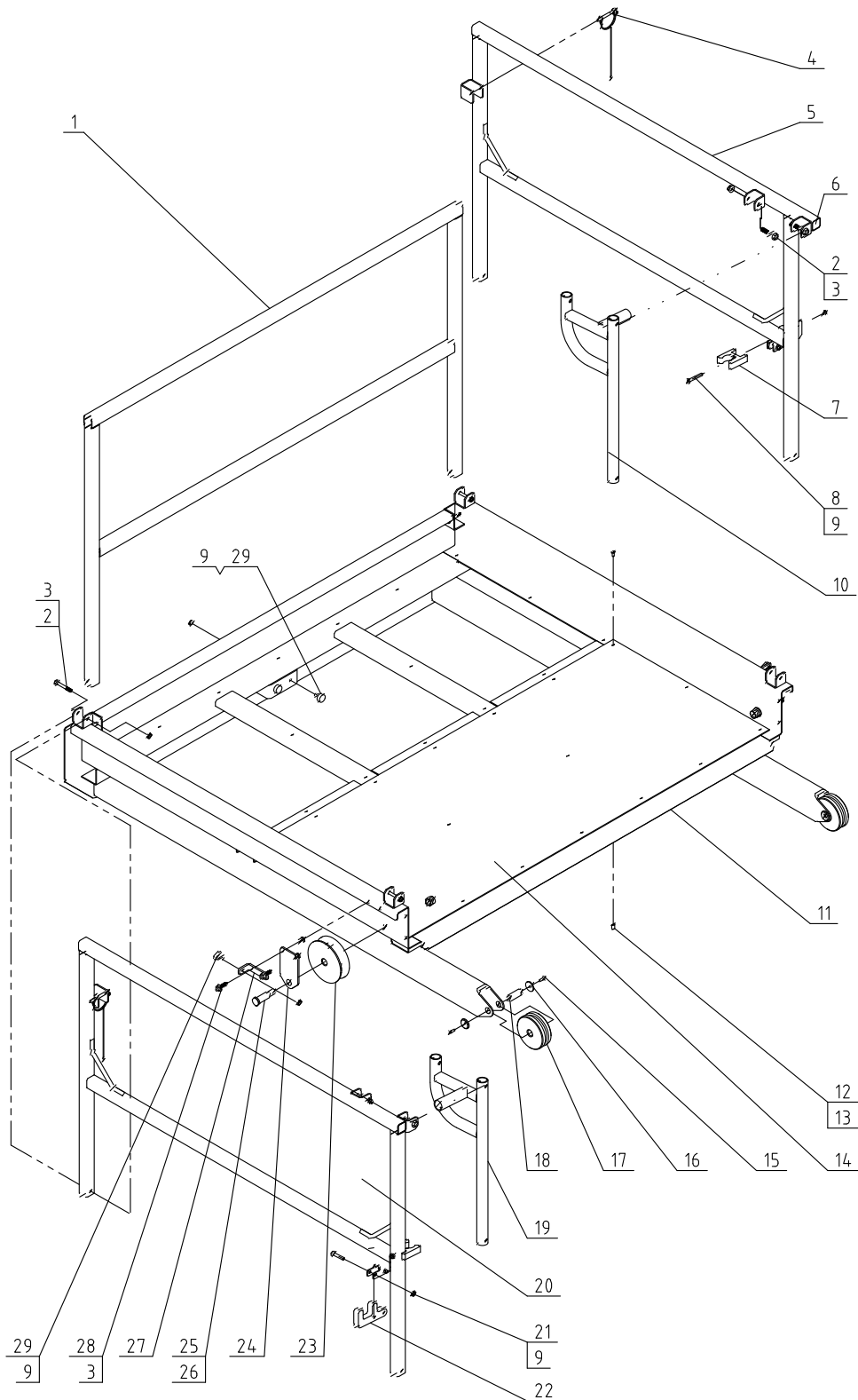
3.2 Front mobile platform components



3.2 Front mobile platform components

Item No.	Material code	Description	Qty	Remark
1	HS1416TPI-750000-G00	Handle assembly	1	Refer to Figure 5.3
2	HS1823RPI-800900-000	Handle bracket	1	
3	GB/T 5789 M6×20	Bolt M6×20	8	
4	HS1823RPI-820400-000	Mobile platform front guardrail	1	
5	78XEN-820100-G00	File box	1	
6	GB/T 6183 M6	Nut M6	4	
7	GB/T 923 M6	Cap nut M6	4	
8	GB/T 5789 M10×65	Bolt 10×65	10	
9	GB/T 6183 M10	Nut M10	18	
10	140XEN-800800-000	D-pin	2	
11	HS1823RPI-820300-000	Right guardrail	1	
12	HS1823RPI-800025-000	Plastic plug	6	
13	HS1823RPI-800010-000	Snap joint	1	
14	GB/T 70.3 M8×60	Screw M8×60	2	
15	HS1823RPI-801300-000	Right handle weldment	1	
16	HS1823RPI-820100-000	Front mobile platform	1	
17	GB/T 17880.4 M6×16	Rivet nut M6×16	36	
18	GB/T 70.2 M6×16	Screw M6×16	36	
19	HS1823RPI-800002-000	Base plate	2	
20	GB/T 70.3 M6×16	Screw M6×16	4	
21	HS1823RPI-800008-000	Block	8	
22	HS1823RPI-800004-000	Roller	2	
23	HS1823RPI-800011-000	Pin	2	
24	HS1823RPI-801200-000	Left handle weldment	1	
25	HS1823RPI-820200-000	Left guardrail	1	
26	GB/T 5789 M8×40	Bolt M8×40	4	
27	HS1823RPI-800009-000	Snap joint	2	
28	HS1823RPI-800005-000	Roller	2	
29	HS1823RPI-800014-000	Roller mounting plate	2	
30	HS1823RPI-800012-000	Pin	2	
31	GB/T 6183 M16	Nut M16	2	
32	HS1823RPI-800019-000	Limit block bracket	2	
33	GB/T 5789 M10×30	Bolt 10×30	8	
34	78XEN-830004-000	Shock absorption block	4	
35	HS1823RPI-800600-000	Connecting rod weldment	1	

3.3 Rear mobile platform components

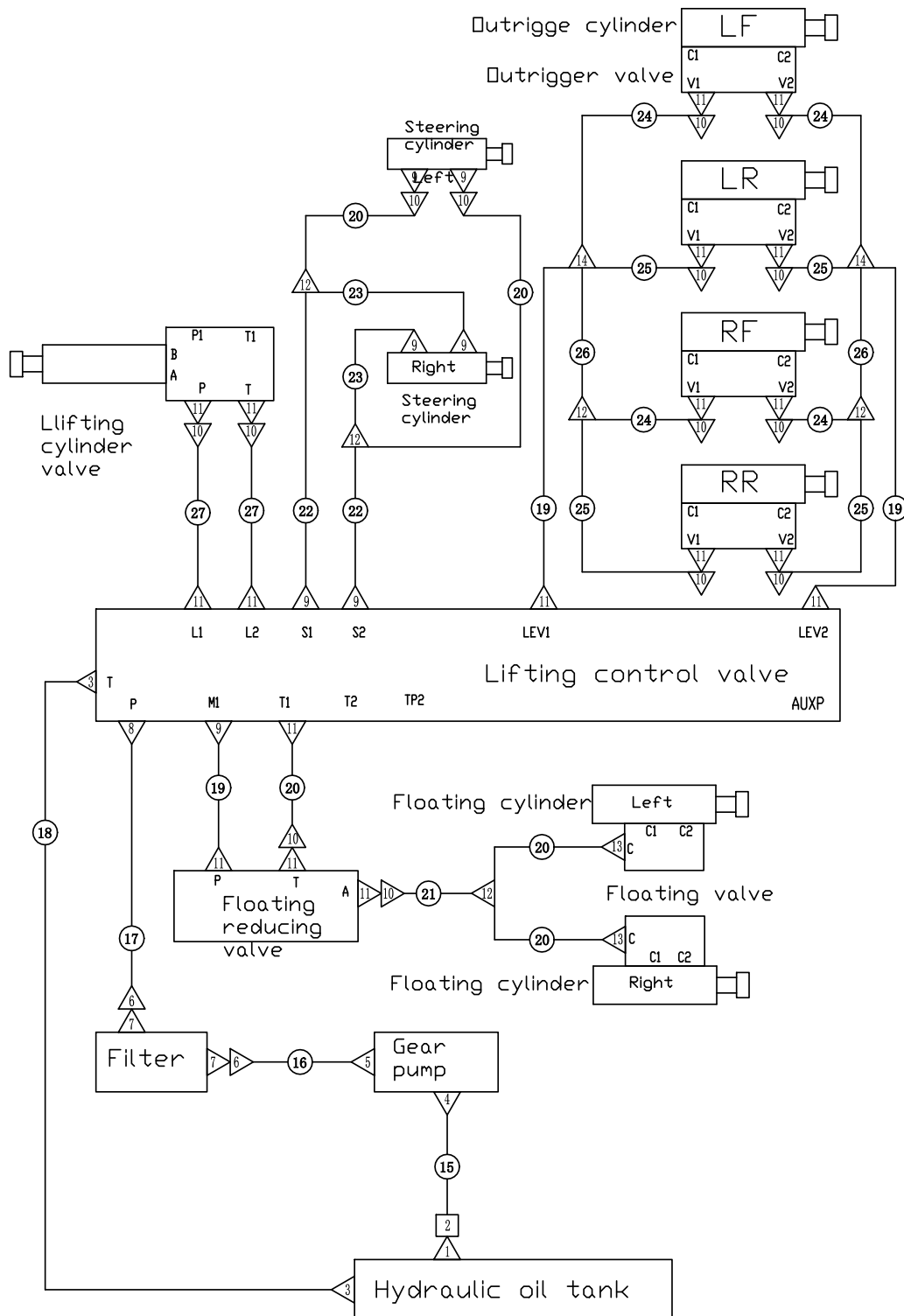


3.3 Rear mobile platform components

Item No.	Material code	Description	Qty	Remark
1	HS1823RPI-830400-000	Rear guardrail	1	
2	GB/T 5789 M10×65	Bolt 10×65	10	
3	GB/T 6183 M10	Nut M10	14	
4	140XEN-800800-000	D-PIN	2	
5	HS1823RPI-830300-000	Right guardrail	1	
6	HS1823RPI-800025-000	Plastic plug	6	
7	HS1823RPI-800010-000	Snap joint	1	
8	GB/T 70.3 M8×60	Screw M8×60	2	
9	GB/T 6183 M8	Nut M8	10	
10	HS1823RPI-801300-000	Right handle weldment	1	
11	HS1823RPI-830100-000	Rear mobile platform	1	
12	GB/T 17880.4 M6×16	Rivet nut M6×16	36	
13	GB/T 70.2 M6×16	Screw M6×16	36	
14	HS1823RPI-800003-000	Base plate	2	
15	GB/T 70.3 M6×16	Screw M6×16	4	
16	HS1823RPI-800008-000	Block	8	
17	HS1823RPI-800004-000	Roller	2	
18	HS1823RPI-800011-000	Pin	2	
19	HS1823RPI-801200-000	Left handle weldment	1	
20	HS1823RPI-830200-000	Left guardrail	1	
21	GB/T 5789 M8×40	Bolt M8×40	4	
22	HS1823RPI-800009-000	Snap joint	2	
23	HS1823RPI-800005-000	Roller	2	
24	HS1823RPI-800014-000	Roller mounting plate	2	
25	HS1823RPI-800012-000	Pin	2	
26	GB/T 6183 M6	Nut M6	4	
27	HS1823RPI-800019-000	Limit block bracket	2	
28	GB/T 5789 M10×30	Bolt 10×30	8	
29	78XEN-830004-000	Shock absorption block	4	

4 Hydraulic system

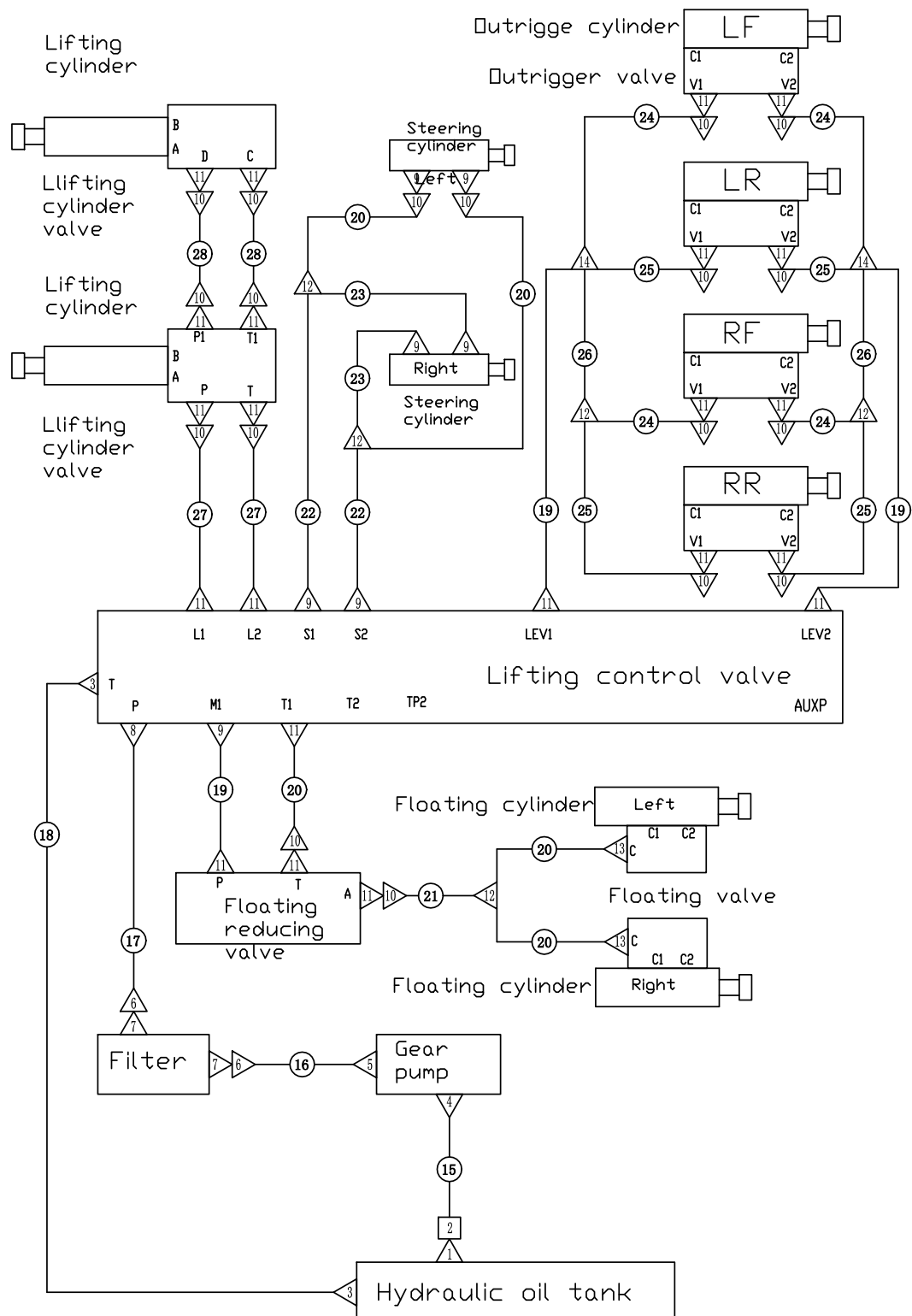
4.1 Hydraulic pipeline (HS1523RP)



4.1 Hydraulic pipeline (HS1523RP)

Item No.	Material code	Description	Qty	Remark
1	JT-412030-G01	Transition connector G5/4-M30	1	
2	HS1823RPI-650100-G00	Ball valve	1	
3	JT-111630-G01	Transition connector G1-M30	2	
4	JT-111230-G01	Transition connector G3/4-M30	1	
5	JT-110622-G01	Transition connector G3/8-M22	2	
6	JT-202222-G01	Right Angle connector M22	2	
7	JT-111222-G00	Transition connector G3/4-M22	2	
8	JT-110822-G01	Transition connector G1/2-M22	1	
9	JT-110418-G01	Transition connector G1/4-M18	7	
10	JT-201818-G01	Right Angle connector M18	13	
11	JT-110618-G00	Transition connector G3/8-M18	18	
12	JT-301818-G01	T connector M18	5	
13	JT-210618-G01	Articulated connector G3/8-M18	2	
14	JT-401818-G01	Four-way connector M18	2	
15	HS1823RPI-630101-000	High-pressure hose	1	
16	HS1823RPI-630201-000	High-pressure hose	1	
17	HS1823RPI-630202-000	High-pressure hose	1	
18	HS1823RPI-630102-000	High-pressure hose	1	
19	HS1823RPI-630301-000	High-pressure hose	3	
20	HS1823RPI-630402-000	High-pressure hose	5	
21	HS1823RPI-630401-000	High-pressure hose	1	
22	HZ210AI-630110-001	High-pressure hose	2	
23	HZ210AI-630104-001	High-pressure hose	2	
24	HS1823RPI-630307-001	High-pressure hose	4	
25	HS1823RPI-630305-001	High-pressure hose	4	
26	HS1823RPI-630306-000	High-pressure hose	2	
27	HS1823RPI-630303-001	High-pressure hose	2	

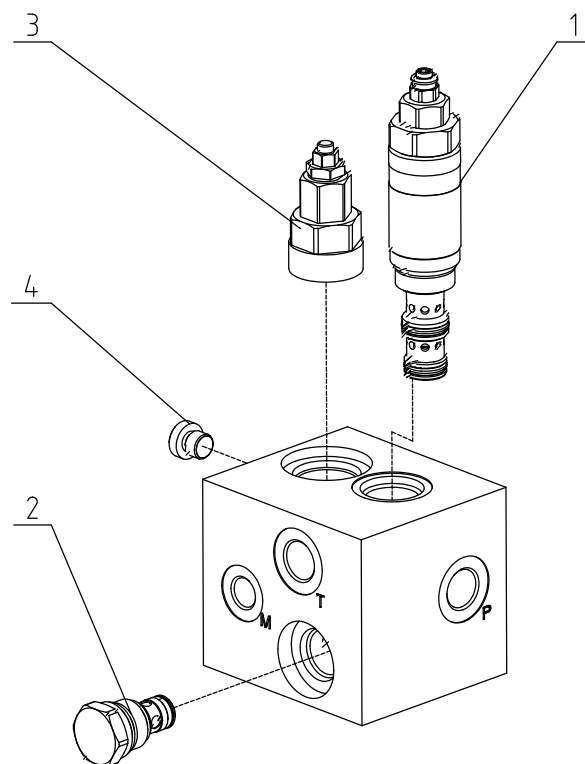
4.2 Hydraulic pipeline (HS1823RP)



4.2 Hydraulic pipeline (HS1823RP)

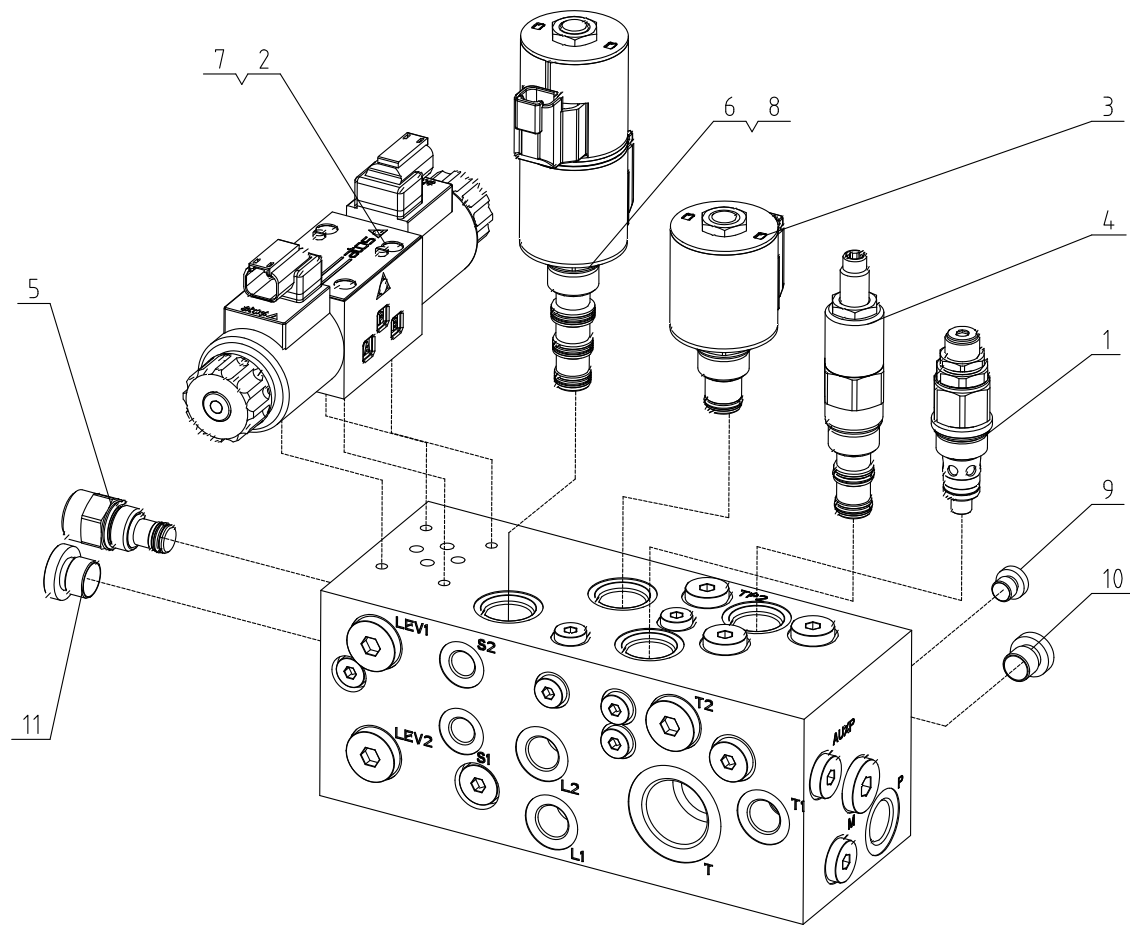
Item No.	Material code	Description	Qty	Remark
1	JT-412030-G01	Transition connector G5/4-M30	1	
2	HS1823RPI-650100-G00	Ball valve	1	
3	JT-111630-G01	Transition connector G1-M30	2	
4	JT-111230-G01	Transition connector G3/4-M30	1	
5	JT-110622-G01	Transition connector G3/8-M22	2	
6	JT-202222-G01	Right Angle connector M22	2	
7	JT-111222-G00	Transition connector G3/4-M22	2	
8	JT-110822-G01	Transition connector G1/2-M22	1	
9	JT-110418-G01	Transition connector G1/4-M18	7	
10	JT-201818-G01	Right Angle connector M18	17	
11	JT-110618-G00	Transition connector G3/8-M18	22	
12	JT-301818-G01	T connector M18	5	
13	JT-210618-G01	Articulated connector G3/8-M18	2	
14	JT-401818-G01	Four-way connector M18	2	
15	HS1823RPI-630101-000	High-pressure hose	1	
16	HS1823RPI-630201-000	High-pressure hose	1	
17	HS1823RPI-630202-000	High-pressure hose	1	
18	HS1823RPI-630102-000	High-pressure hose	1	
19	HS1823RPI-630301-000	High-pressure hose	3	
20	HS1823RPI-630402-000	High-pressure hose	5	
21	HS1823RPI-630401-000	High-pressure hose	1	
22	HZ210AI-630110-001	High-pressure hose	2	
23	HZ210AI-630104-001	High-pressure hose	2	
24	HS1823RPI-630307-001	High-pressure hose	4	
25	HS1823RPI-630305-001	High-pressure hose	4	
26	HS1823RPI-630306-000	High-pressure hose	2	
27	HS1823RPI-630303-001	High-pressure hose	2	
28	HS1823RPI-630304-001	High-pressure hose	2	

4.3 Floating reducing valve



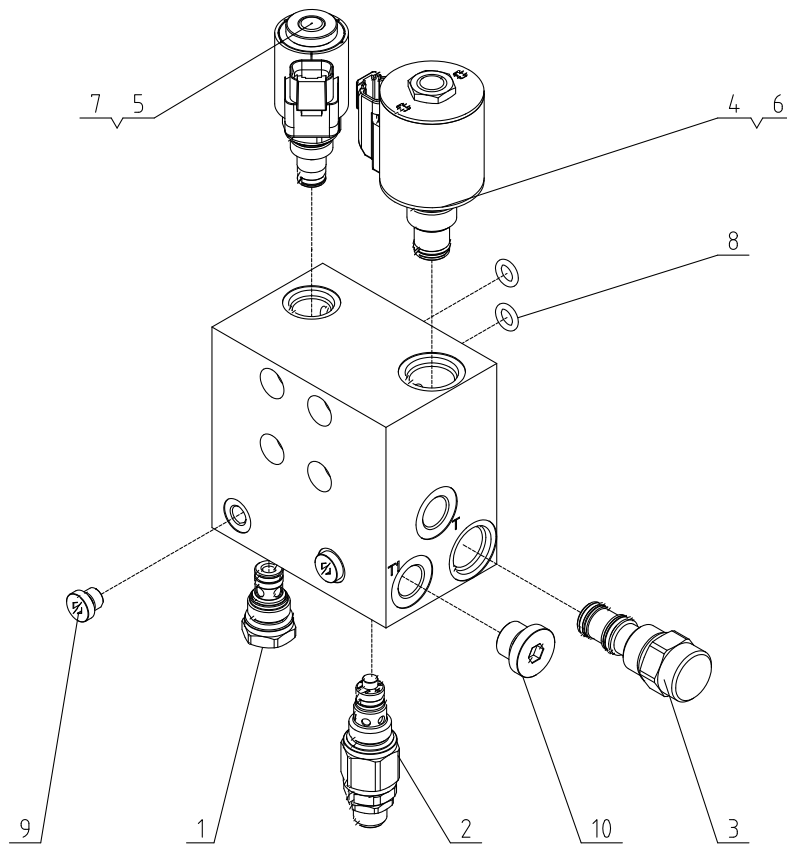
Item No.	Material code	Description	Qty	Remark
1	HS1823RPI-640101-001	Reducing valve	1	
2	HS1823RPI-640102-001	Check valve	1	
3	HS1823RPI-640103-001	Compensating valve	1	
4	HS1823RPI-640109-000	Plug	3	

4.4 Lift control valve



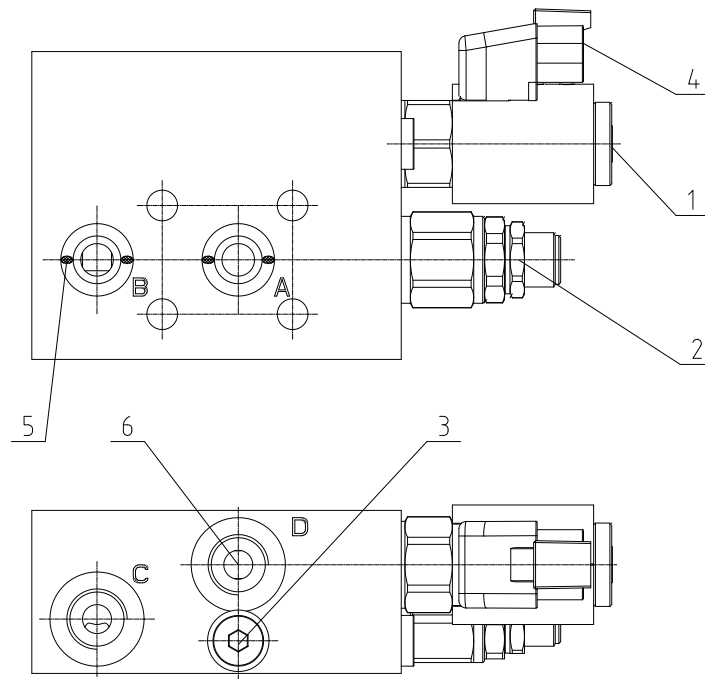
Item No.	Material code	Description	Qty	Remark
1	HS1823RPI-640201-000	Overflow valve	1	
2	GB/T 70.1 M5×30	Screw M5×30	4	
3	HS1823RPI-640203-001	Solenoid valve	1	
4	HS1823RPI-640204-000	Reducing valve	1	
5	HS1823RPI-640205-000	Flow valve	1	
6	HS1823RPI-640206-000	Solenoid valve	1	
7	HS1823RPI-640207-000	Plate valve	1	
8	HS1823RPI-640108-000	Coil	3	
9	HS1823RPI-640109-000	Plug	9	
10	HS1823RPI-640110-000	Plug	7	
11	HS1823RPI-640111-000	Plug	5	

4.5 Lower lifting cylinder valve



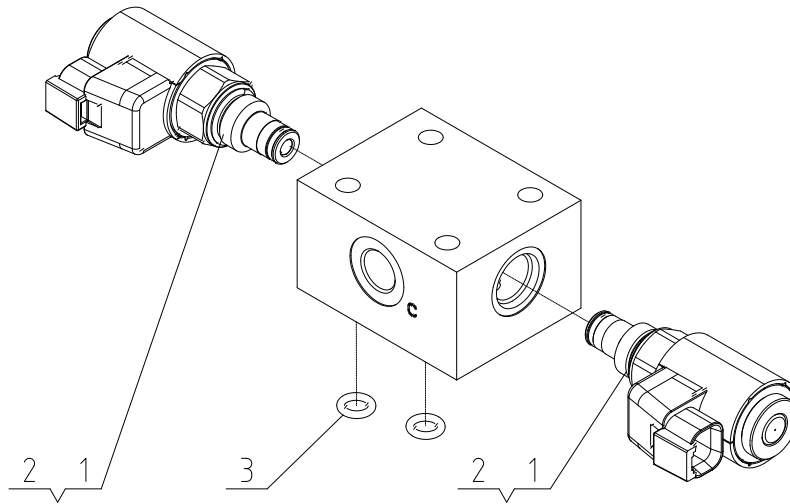
Item No.	Material code	Description	Qty	Remark
1	HS1823RPI-640102-001	Check valve	1	
2	HS1823RPI-640105-000	Relief valve	1	
3	HS1823RPI-640303-001	Compensating valve	1	
4	HS1823RPI-640304-001	Solenoid valve	1	
5	HS1823RPI-640305-001	Solenoid valve	1	
6	HS1823RPI-640108-000	Coil	1	
7	HS1823RPI-640307-001	Coil	1	
8	HS1823RPI-640304-000	O-ring	2	
9	HS1823RPI-640109-000	Plug	5	
10	HS1823RPI-640111-000	Plug	3	

4.6 Upper lifting cylinder valve



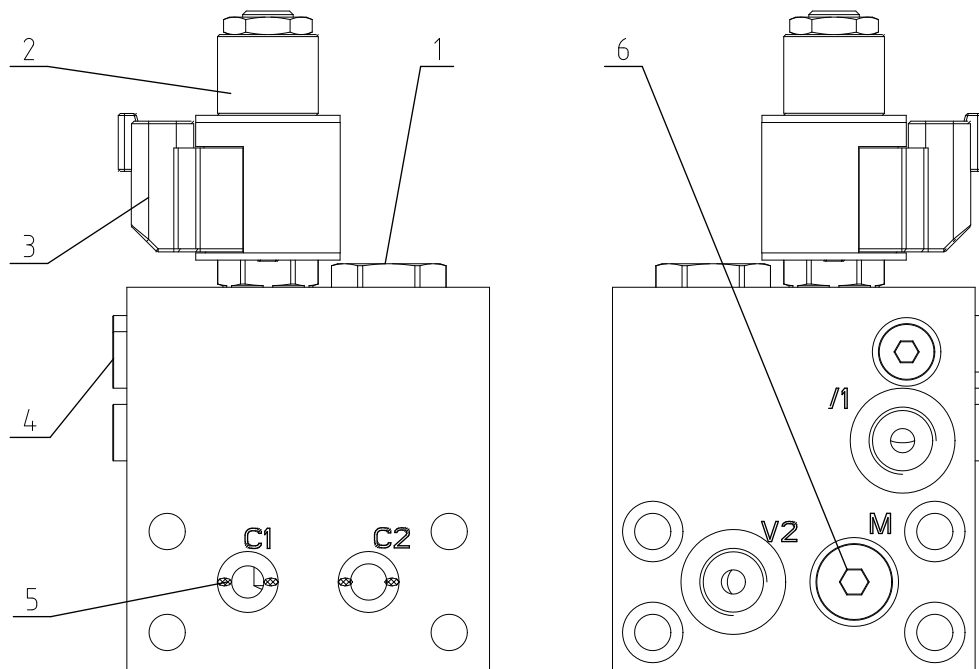
Item No.	Material code	Description	Qty	Remark
1	HS1823RPI-640305-001	Solenoid valve	1	
2	HS1823RPI-640602-001	Relief valve	1	
3	HS1823RPI-640109-000	Plug	3	
4	HS1823RPI-640307-001	Coil	1	
5	HS1823RPI-640304-000	O-ring	2	
6	HS1823RPI-640606-001	Damp	1	

4.7 Axle floating valve



Item No.	Material code	Description	Qty	Remark
1	HS1823RPI-640401-001	Solenoid valve	1	
2	HS1823RPI-640307-001	Coil	2	
3	HS1823RPI-640304-000	O-ring	2	

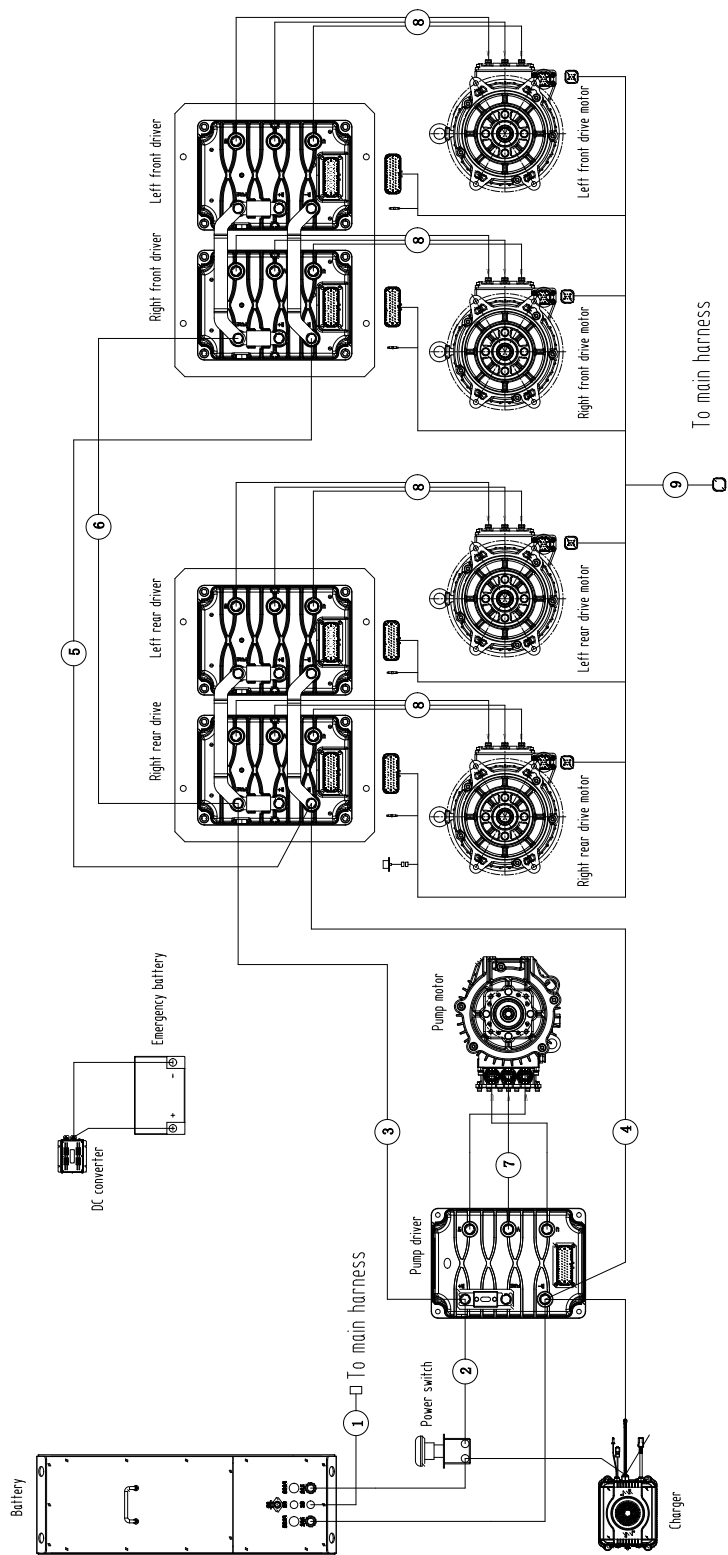
4.8 Outrigger solenoid valve



Item No.	Material code	Description	Qty	Remark
1	HS1823RPI-640501-000	Check valve	1	
2	HS1823RPI-640502-000	Solenoid valve	1	
3	HS1823RPI-640107-000	Coil	1	
4	HS1823RPI-640109-000	Plug	4	
5	HS1823RPI-640403-000	O-ring	2	
6	HS1823RPI-640110-000	Plug	1	

5 Electrical system

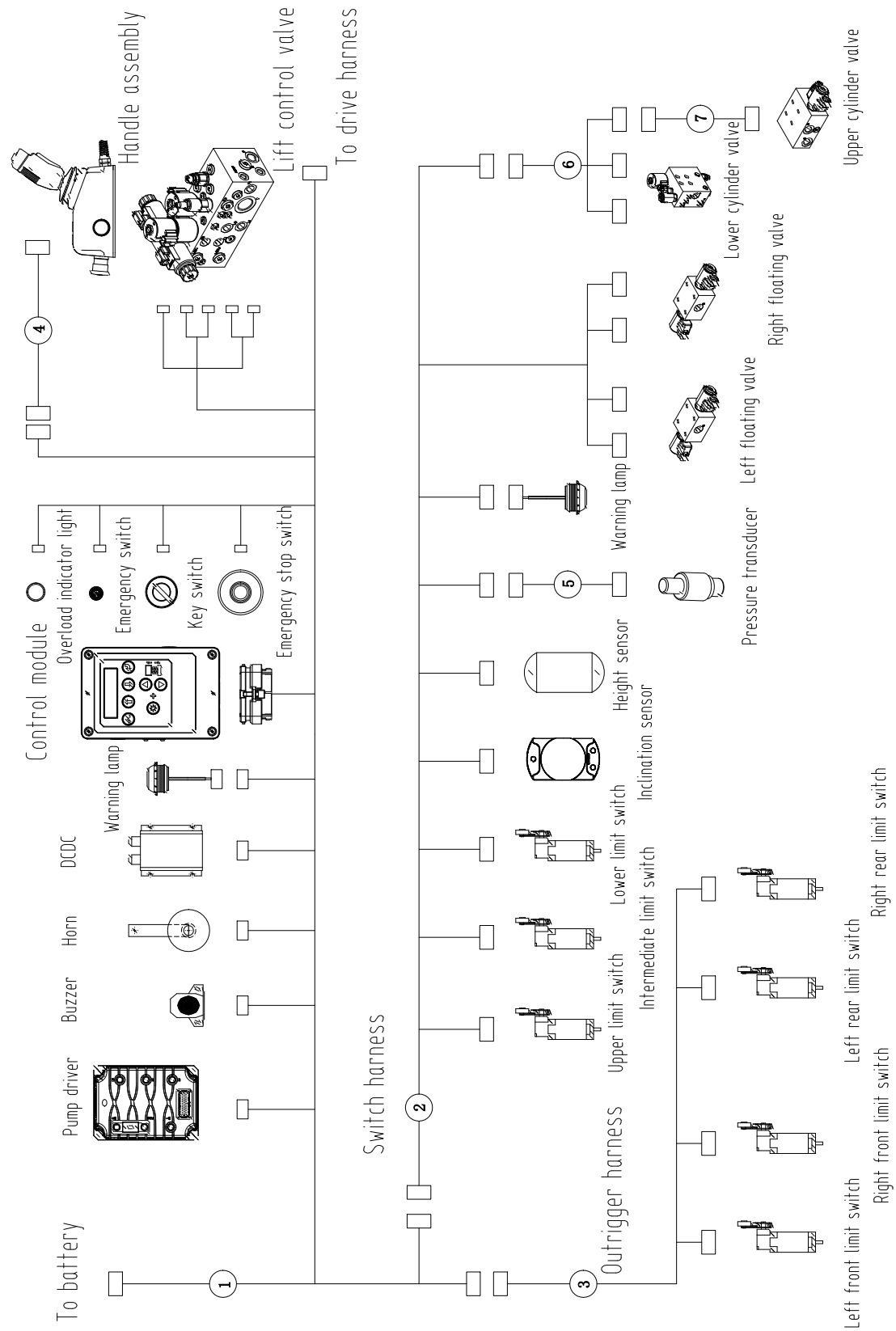
5.1 Driving wire harness



5.1 Driving wire harness

Item No.	Material code	Description	Qty	Remark
1	HS1823RPI-700900-000	Lithium battery bus patch cord	1	
2	HS1823RPI-730100-000	Cable	1	
3	HS1823RPI-730200-000	Cable	1	
4	HS1823RPI-730400-000	Cable	1	
5	HS1823RPI-730500-001	Cable	1	
6	HS1823RPI-730300-000	Cable	1	
7	HS1823RPI-730600-000	Cable harness	1	
8	HS1823RPI-730700-000	Cable harness	4	
9	HS1823RPI-740400-001	Drive harness	1	

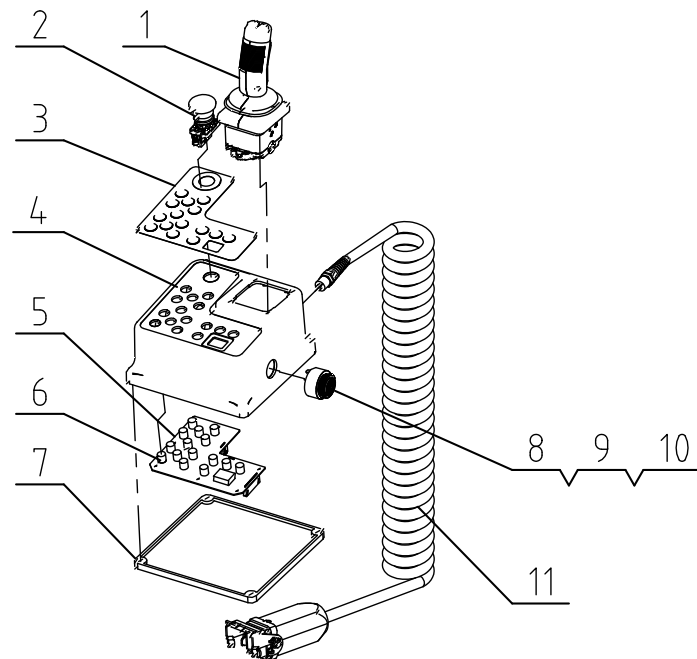
5.2 Bodywork wire harness



5.2 Bodywork wire harness

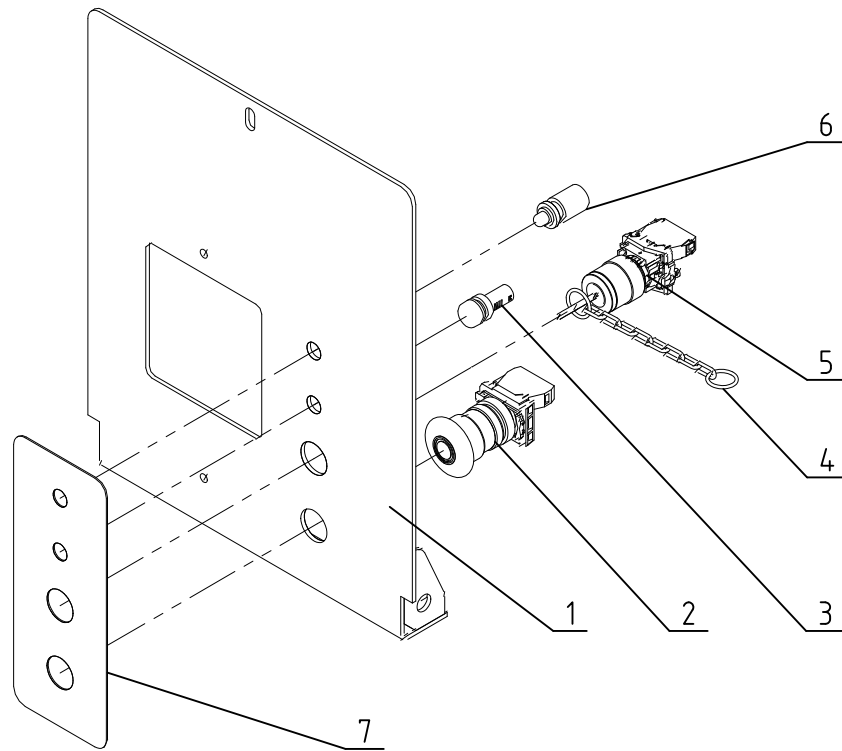
Item No.	Material code	Description	Qty	Remark
1	HS1823RPI-710000-001	Main harness	1	
2	HS1823RPI-720000-001	Switch harness		
3	HS1823RPI-700200-000	Outrigger harness	1	
4	HS1823RPI-700100-000	Handle harness	1	
5	HS1823RPI-700400-000	Pressure sensor harness	1	
6	HS1823RPI-700700-000	Cylinder harness	1	
7	HS1823RPI-700800-000	Upper cylinder harness	1	HS1823RP

5.3 Handle components



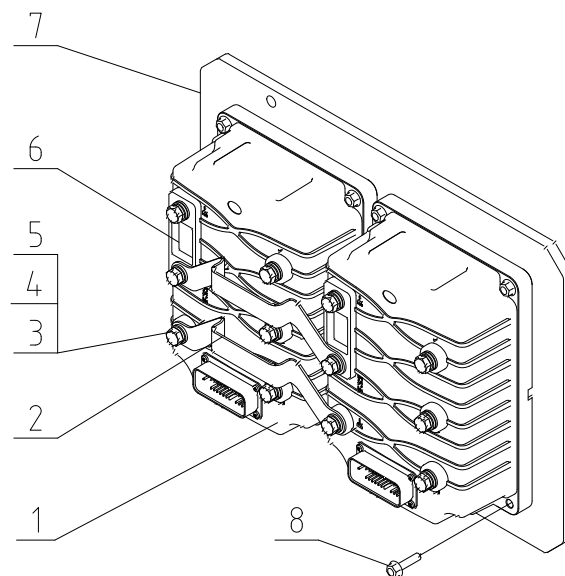
Item No.	Material code	Description	Qty	Remark
1	HS1823RPI-750100-G00	Handle	1	
2	HS1823RPI-750200-G00	Emergency stop button	1	
3	HS1823RPI-750001-G00	Sticker	1	
4	HS1823RPI-750002-G00	Cover	1	
5	HS1823RPI-750300-G00	Circuit board	1	
6	HS1823RPI-750004-G00	Button	15	
7	HS1823RPI-750003-G00	Base plate	1	
8	HS1823RPI-750400-G00	Buzzer	1	
9	HS1823RPI-750005-G00	Rubber pad	1	
10	HS1823RPI-750006-G00	Connect wire	1	
11	HS1823RPI-750500-G00	Spring wire components	1	

5.4 Control panel components



Item No.	Material code	Description	Qty	Remark
1	HS1823RPI-400400-000	Lower panel weldment	1	
2	GTHZ120-720700-G00	Emergency stop switch	1	
3	78XEN-740505-G00	Warning lamp (RED)	1	
4	78XEN-400004-G00	Key chain	1	
5	GTHZ120-710400-G00	Three-position key switch	1	
6	GTHZ120-710500-G00	Enable switch	1	
7	HS1823RPI-740101-000	Panel sticker	1	

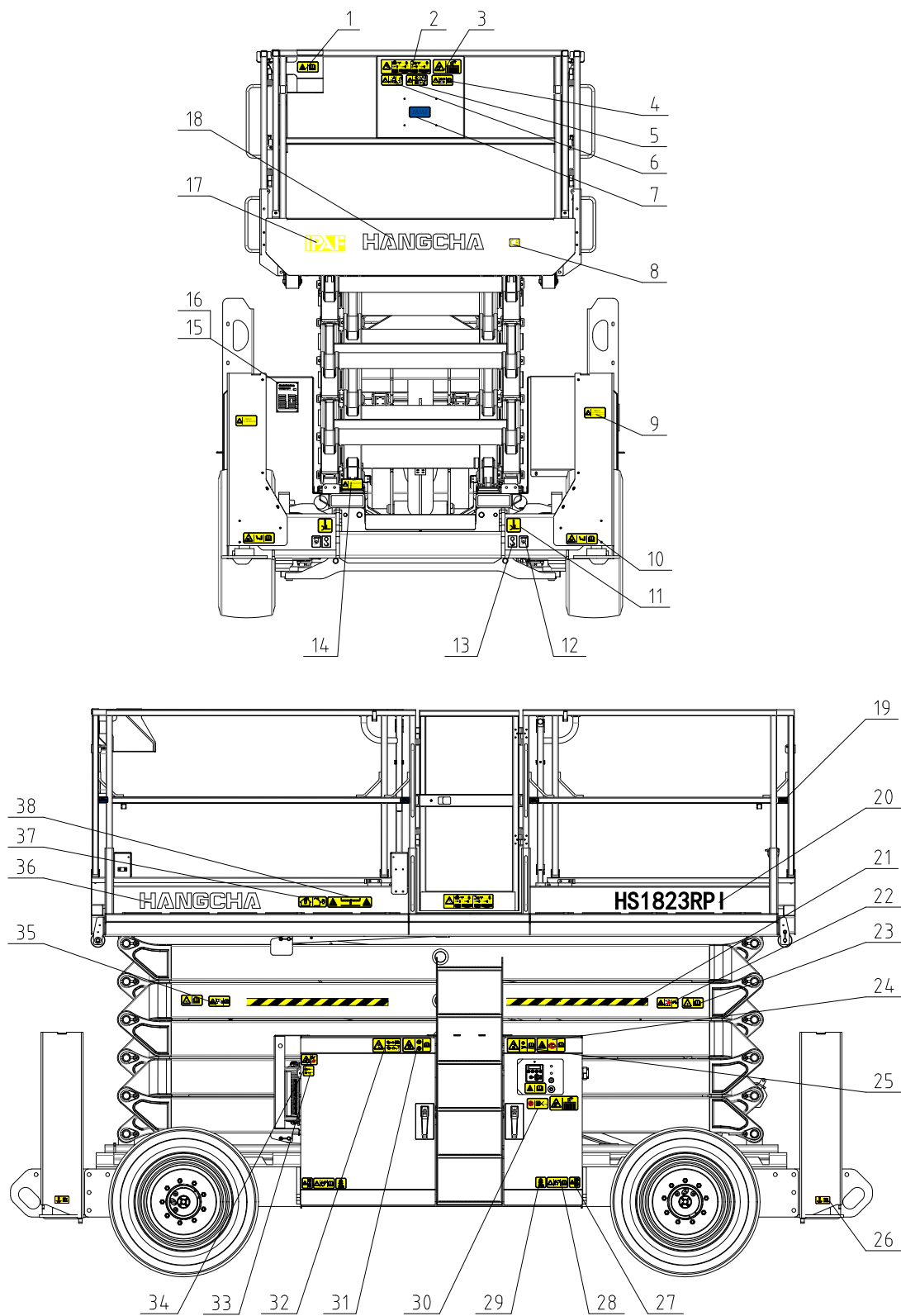
5.5 Driver assembly



Item No.	Material code	Description	Qty	Remark
1	HB280PI-750200-G00	Driver	2	
2	HS1823RPI-741300-G00	Copper bar	2	
3	GB/T 5783 M8×20	Bolt M8×20	12	
4	GB/T 93 8	Washer 8	12	
5	GB/T 97.1 8	Washer 8	12	
6	HS1823RPI-741400-G00	Fuse	1	
7	HS1823RPI-741100-G00	Aluminum heat sink plate	1	
8	GB/T 5789 M6×25	Bolt M6×25	8	

6 Label

6.1 Label



6.1 Label

Item	Part No.	Description	Qty	Serial
1	HS1412HI-020016-001	Operation instruction	2	
2	HS1823RP-020005-000	Platform safety load	2	HS1823RP
	HS1523RP-020005-000	Platform safety load	2	HS1523RP
3	HS1412HI-020021-000	Safe distance	2	
4	HS1412HI-020014-000	Overloading and tipping hazard	1	
5	HS1823RP-020013-000	Tilt alarm operation	1	
6	HS1823RP-020012-000	Tip-over hazard	1	
7	HS1412HI-020026-000	Save the manual	1	
8	R960-020012-001	CE symbol	1	
9	HS1216TP-020035-000	Outrigger warning	4	
10	HS1412HI-020024-000	Presser foot warning	4	
11	HS1412HI-020027-000	Forklift position label	4	
12	GTWZ110-020013-000	Bundle location	4	
13	HS1412HI-020020-000	Lifting hole	4	
14	HS1412HI-020015-000	Limit switch label	1	
15	140XEN-020002	Nameplate	1	
16	GB/T12618.1	Blind rivet 4×12	4	
17	78XEN-020030-000	IPAF symbol	1	
18	GTHZ120-020022-000	Trademark	1	
19	HS1412HI-020020-000	Safety belt hook	8	
20	HS1823RP-020001-001	Model number	2	HS1823RP
	HS1523RP-020001-001	Model number	2	HS1523RP
21	HS1412HI-020034-000	Reflective stripe	4	
22	HS1823RP-020011-000	Maintenance instruction	2	
23	HS1412HI-020019-000	Anti-pinch warning	4	
24	HS1412HI-020032-000	Maintenance instruction label	2	
25	HS1412HI-020028-000	Hydraulic sputtering hazard	2	
26	HS1216TP-020038-000	Outrigger load	4	
27	HS1412HI-020029-000	Parking warning label	4	
28	HS1412HI-020009-000	Tire change warning	4	
29	HS1823RP-020006-000	Tire load	4	
30	HS1412HI-020023-000	Waterproof warning	1	
31	HS1412HI-020017-000	Explosion and fire hazard	2	
32	HS1823RP-020025-000	Battery weight warning	2	
33	HS1412HI-020007-000	Main power switch	1	
34	HS1412HI-020031-000	Electricity safety label	1	

35	HS1823RP-020010-000	Away from moving parts	2	
36	78XEN-020017-000	Trademark	2	
37	HS1216TP-020022-000	Manual operating force	2	
38	HS1412HI-020033-000	Anti collision warning	2	



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