



HS0608TP

**Mobile elevating work
platform**

Parts manual

HANGCHA GROUP CO., LTD.

December, 2023

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 m
- 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.

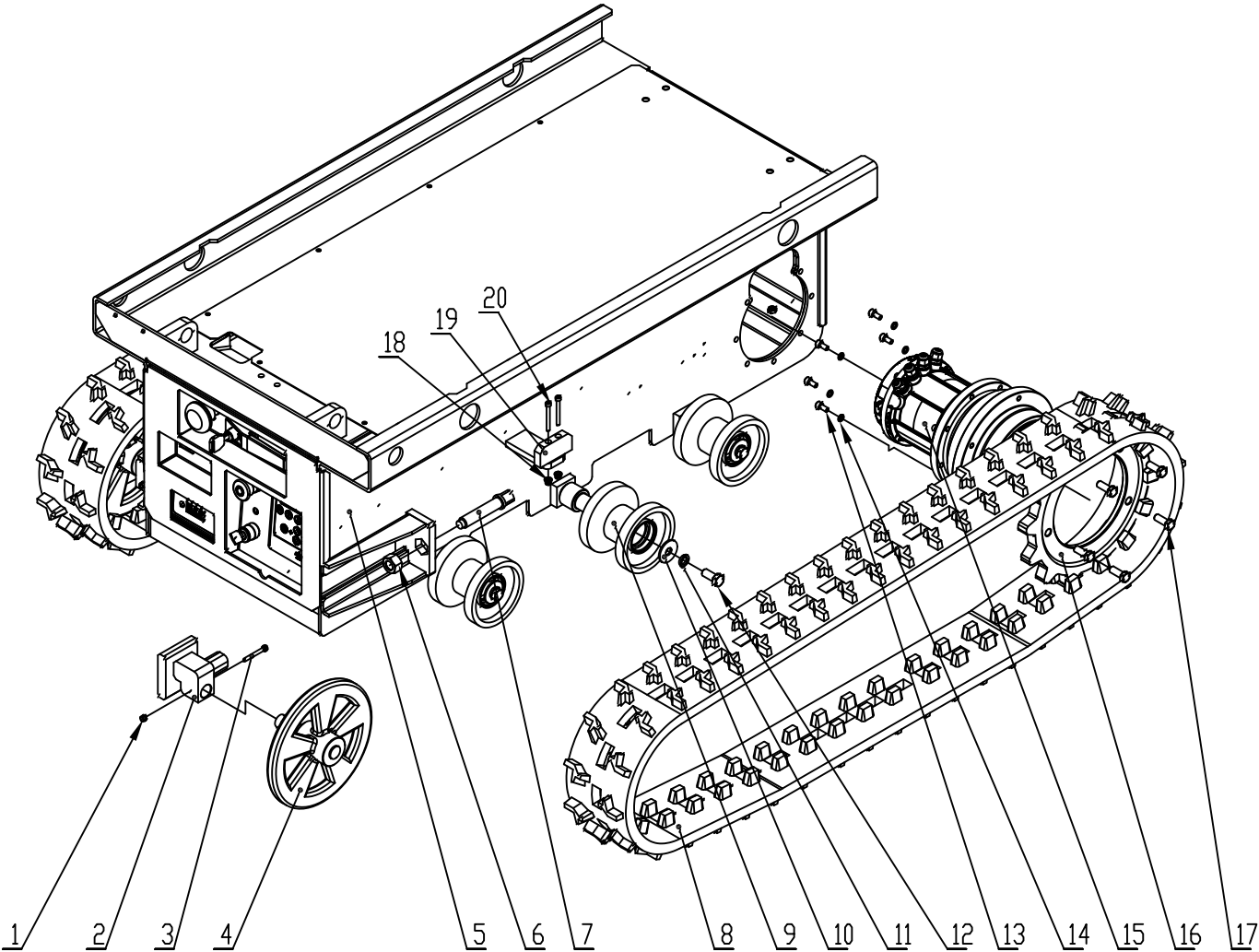
Due to the continuous update of products and technologies, the company reserves the right to update technical parameters and relevant information without prior notice

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1Chassis

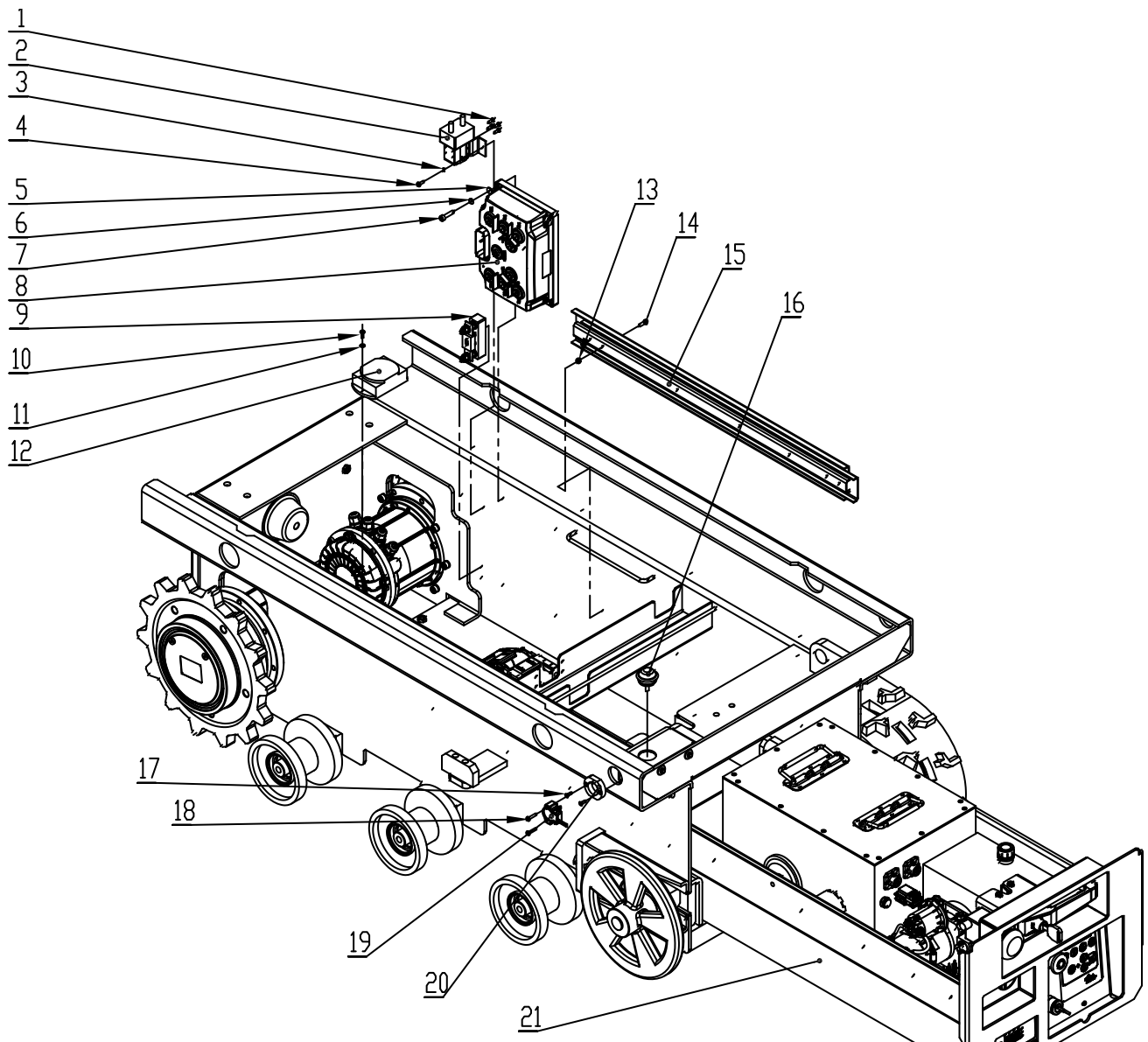
1.1 Drive system



1.1 Drive system

Item	Part No.	Description	Qty	Serial
1	GB/T 889.1-2015	Nut M6	2	
2	HS0608TP-120100-003	Left guide wheel bracket	1	
	HS0608TP-120200-003	Right guide wheel bracket	1	
3	GB/T 5782-2016	BoltM6×50	2	
4	XIZ65T-110230-000	Guide wheels	2	
5	HS0608TP-410000-002	Frame	1	
6	GB/T 6170-2015	Nut M20	2	
7	GB/T 83-2018	Bolt M20×150	2	
8	XIZ65T-110301-000	Track	2	
9	XIZ65T-110220-000	Roller	6	
	GB13871-92	Oil seals B40×55×8	12	
	HS0608TP-110221-000	Side spacer	12	
	HS0608TP-110222-000	Middle spacer	6	
	GB/T 276-2013	bearing 61906	12	
10	GB/T 96.1-2002	Washers 14	6	
11	GB/T 93-1987	Spring washers 14	6	
12	GB/T 5783-2016	BoltM14×30	6	
13	ASME B18.2.1-2010	Bolt 3/8-16UNC×1	14	
14	ASME B18.21.1-2009	Spring washers 3/8	14	
15	HS1412AI-760300-G03	Drive motors	2	
16	XIZ65T-110210-000	Drive wheels	2	
17	GB/T 5787-1986	Bolt M12×30	10	
18	GB/T 70.1-2008	Bolt M6×55	4	
19	XIZ65T-400006-000	Cushion blocks	2	
20	GB/T 889.1-2015	Nut M6	4	

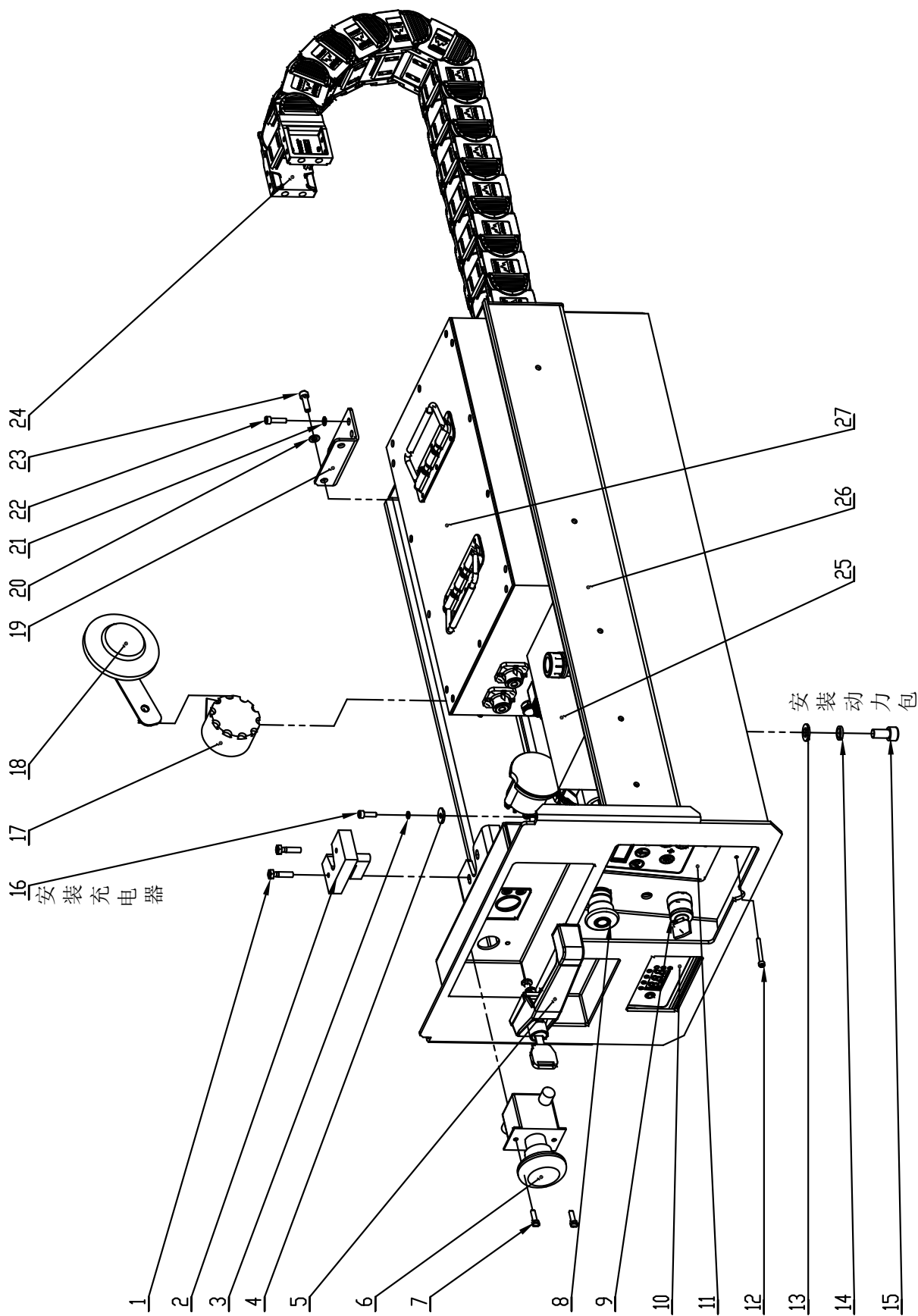
1.2 Chassis parts



1.2 Chassis parts

Item	Part No.	Description	Qty	Serial
1	GB/T 70.1-2008	Bolt M4×10	4	
2	60XEND-741501-G00	Contactor	1	
	60XEND-741502-G00	Contactor bracket	1	
3	GB/T 97.1-2002	Washer 4	4	
4	GB/T 818-2016	Bolt M4×12	2	
5	GB/T 97.1-2002	Washer 6	4	
6	GB/T 93-1987	Spring washers 6	4	
7	GB/T 70.1-2008	Bolt M6×20	4	
8	HS0608TP-740100-G00	Motor driver	1	
9	78XEN-740400-G00	200A Fuses	1	
10	GB/T 818-2016	Bolt M4×12	2	
11	GB/T 97.1-2002	Washer 4	2	
12	HS0608TP-740300-G00	Angle sensor	1	
13	GB/T 6170-1986	Nut M5	8	
14	GB/T 819-1985	Bolt M5×16	18	
15	76XEND-420300-001	Slide rail	2	
16	78XEN-741101-G02	Alarm light	1	
17	GB/T 70.3-2008	Bolt M4×16	2	
18	GB/T 818-2016	Bolt M4×20	2	
19	60XEND-741200-G01	Potentiometer	1	
20	60XEND-410010-001	Potentiometer pad	1	
21		Drawer assembly	1	See 1.3

1.3 Drawer assembly



1.3 Drawer assembly

Item	Part No.	Description	Qty	Serial
1	GB/T 9074.17	Combination bolt M6×20	2	
2	140XEN-401100-G00	Lock body	1	
3	GB/T 93-1987	Spring washers 6	4	
4	GB/T 97.1-2002	Washers 6	4	
5	140XEN-401400-G00	Handle	1	
6	AIBS600-700001-000	Emergency power off switch	1	
7	GB/T 9074.17	Combination bolt M5×16	2	
8	GTHZ120-720700-G00	Emergency stop switch	1	
9	GTHZ120-710400-G00	Keyswitch	1	
10	60XEND-760200-G00	Charger	1	标配
	HS0608TP-760200-G00	Lithium battery charger	1	选配
11	HS1416TPI-740200-G00	ECU	1	
12	GB/T 9074.17	Combination bolt M4×35	2	
13	GB/T 97.1-2002	Washers 10	2	
14	GB/T 93-1987	Spring washers 10	2	
15	GB/T 70.1-2008	Bolt M10×20	2	
16	GB/T 70.1-2008	Bolt M6×20	4	
17	NC9717-700500-000	Buzzer	1	
18	R450-700200-000	Electric horn	1	
19	HS0608TP-400002-000	Fixed plate	1	
20	GB/T 6177.1-2016	Nut M6	2	
21	GB/T 6177.1-2016	Nut M5	4	
22	GB/T 5789-1986	Bolt M5×25	4	
23	GB/T 5789-1986	Bolt M6×20	2	
24	HS0608TP-400002-G00	Drag chain	1	
25	HS0608TP-610000-000	Power unit	1	
26	HS0608TP-420100-002	Drawer	1	
27	60XEND-760100-G00	Maintenance-free batteries	2	标配
	HS0608TP-730000-G00	Lithium battery	1	选配

This technical drawing is an exploded view of a tracked vehicle chassis assembly. It shows the main structural components and their assembly sequence, indicated by numbered callouts from 1 to 16. The assembly includes a central chassis frame, a front sprocket housing, a rear sprocket housing, and a track system. The components are shown in their relative positions as they would be assembled.

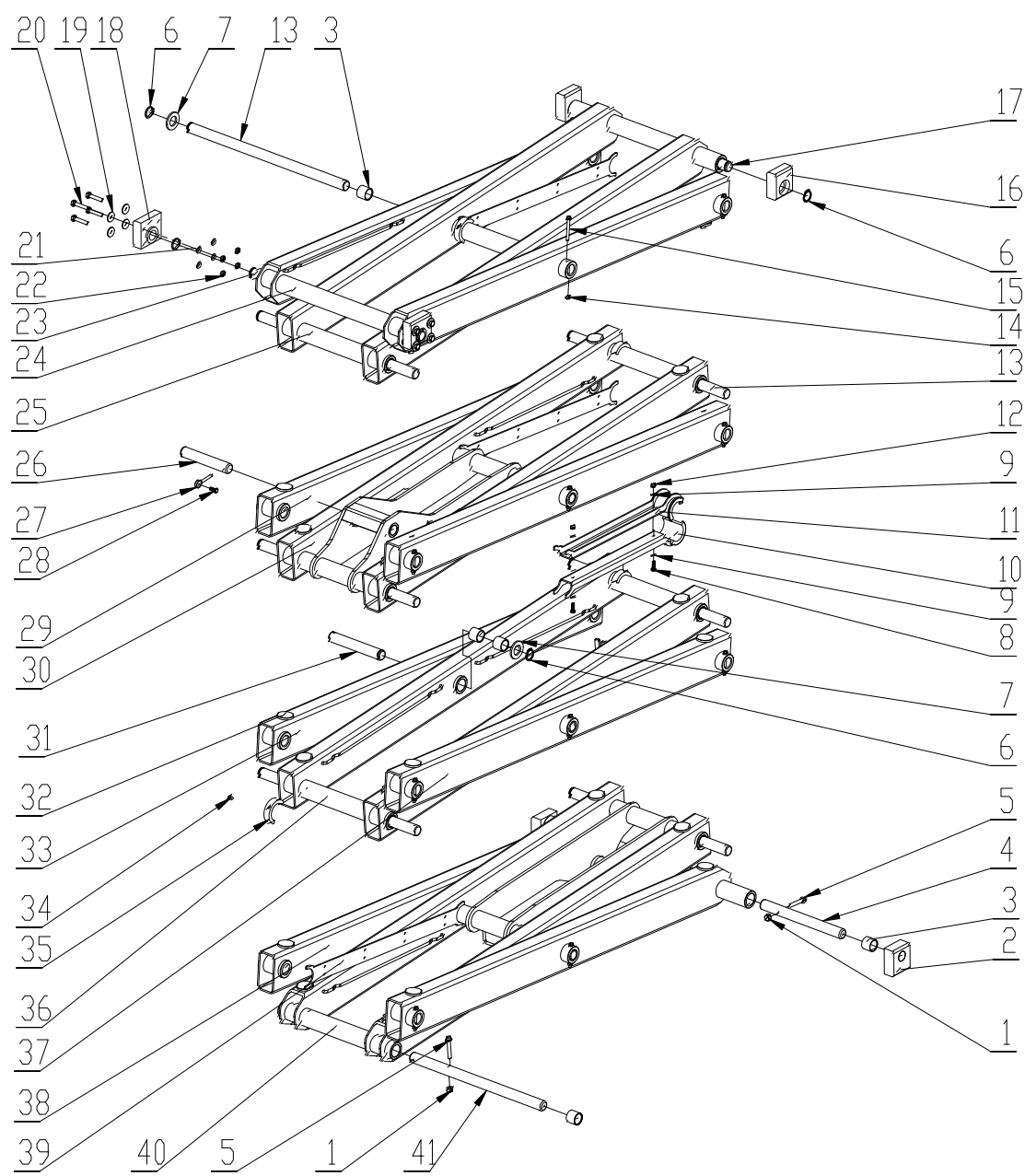
- 1**: Main chassis frame (lower section).
- 2**: Main chassis frame (upper section).
- 3**: Track link pin.
- 4**: Track link bush.
- 5**: Track link pin.
- 6**: Track link bush.
- 7**: Track link pin.
- 8**: Track link bush.
- 9**: Track link pin.
- 10**: Track link bush.
- 11**: Track link pin.
- 12**: Track link bush.
- 13**: Track link pin.
- 14**: Track link bush.
- 15**: Track link pin.
- 16**: Track link bush.

1.4 Cover plate

序号	物料编码	名称	数量	备注
1	GB/T 5789-1986	Bolt M8×25	2	
2	140XEN-401300-G00	Lock ring	1	
3	GB/T 6177.1-2016	Nut M8	2	
4	GB/T 70.2-2015	Bolt M5×16	2	
5	GB/T 93-1987	Spring washers 5	2	
6	GB/T 96.1-2002	Washers 5	2	
7	HS0608TP-400008-000	Potentiometer cover	1	
8	HS0608TP-400001-002	Frame upper cover	1	
9	GB/T 5789-1986	Bolt M6×12	10	
10	GB/T 5789-1986	Bolt M10×20	4	
11	60XEND-440300-000	Boarding pedal	1	
12	GB/T 5789-1986	Bolt M8×30	4	
13	HS0608TP-420200-002	Rear door assembly	1	
14	GB/T 5789-1986	Bolt M6×16	4	
15	HS0608TP-430101-000	Motor protective plate	1	
16	GB/T 5789-1986	Bolt M8×20	4	

2 Scissors

2.1 Scissors assembly



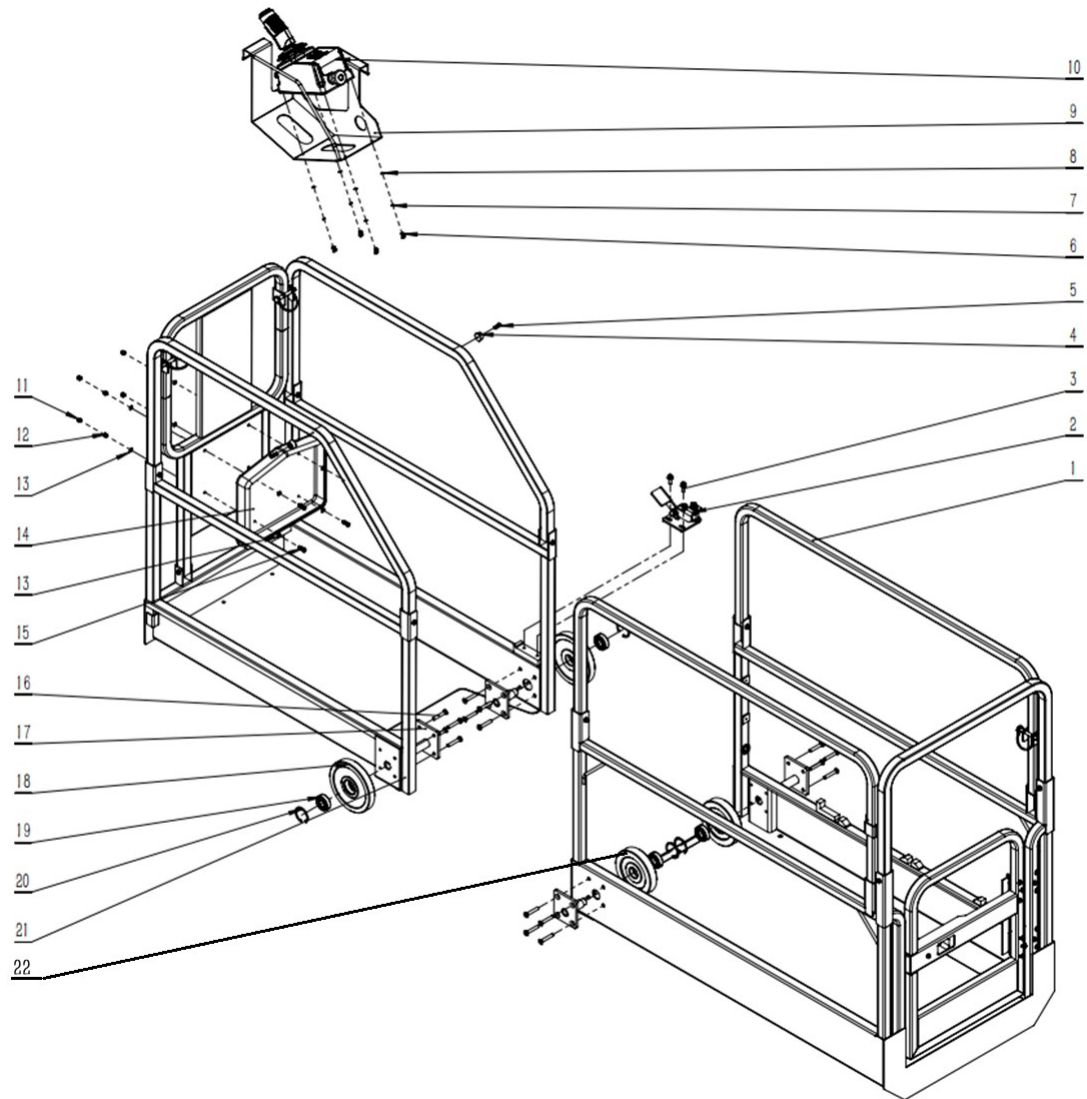
2.1 Scissors assembly

Item	Part No.	Description	Qty	Serial
1	GB/T 6177.1-2016	Nut M8	3	
2	60XEND-901000-000	Bottom slider	2	
3	CT-502525-G00	bushing	30	
4	HS0608TP-900400-000	Bottom moving pin shaft	2	
5	GB/T 16674.1-2016	Bolt M8×50	3	
6	JB/ZQ 4342-2006	Snap ring 25	15	
7	GB/T 97.1-2002	Washer 24	11	
8	GB/T 5783-2016	Bolt M6×20	2	
9	GB/T 97.1-2002	Washer 6	4	
10	60XEND-901500-000	Spacer sleeve	2	
11	60XEND-900900-000	Repair arm	2	
12	GB/T 889.1-2015	Nut M6	2	
13	60XEND-900100-001	Long pin shaft	9	
14	GB/T 6177.1-2016	Nut M6	11	
15	GB/T 16674.1-2016	Bolt M6×55	11	
16	60XEND-800003-000	Moving slider	2	
17	60XEND-900700-000	Top moving pin shaft	1	
18	XIZ65T-800003-000	Fixed slider	2	
19	GB/T 96.1-2002	Washer 8	8	
20	GB/T 5782-2016	Bolt M8×40	8	
21	GB/T 97.1-2002	Washer 8	8	
22	GB/T 6172.2-2016	Nut M8	8	
23	60XEND-900600-000	Top fixed pin shaft	1	
24	60XEND-920200-001	Top outer bracket	1	
25	60XEND-910400-001	Inner bracket D	1	
26	60XEND-900500-000	Cylinder pin shaft	2	
27	60XEND-901400-000	Fisheye pins	2	
28	GB/T 5783-2016	Bolt M6×16	2	
29	60XEND-920300-001	Outer bracket	1	
30	XIZ65T-910300-000	Inner bracket C	1	
31	60XEND-900200-001	Short pin shaft	2	
32	60XEND-901200-000	Scissor cushion block	24	
33	60XEND-920500-001	Outer bracket B	1	
34	GB/T 70.3-2008	Bolt M6×16	4	

Item	Part No.	Description	Qty	Serial
35	60XEND-901300-000	Retaining ring	4	
36	60XEND-910200-001	Inner bracket B	1	
37	60XEND-920400-001	Outer bracket A	2	
38	XIZ65T-920100-000	Bottom outer bracket	1	
39	60XEND-900800-000	Wiring pole	3	
40	XIZ65T-910100-000	Inner bracket A	1	
41	60XEND-900300-000	Bottom fixed pin shaft	1	

3 Platform

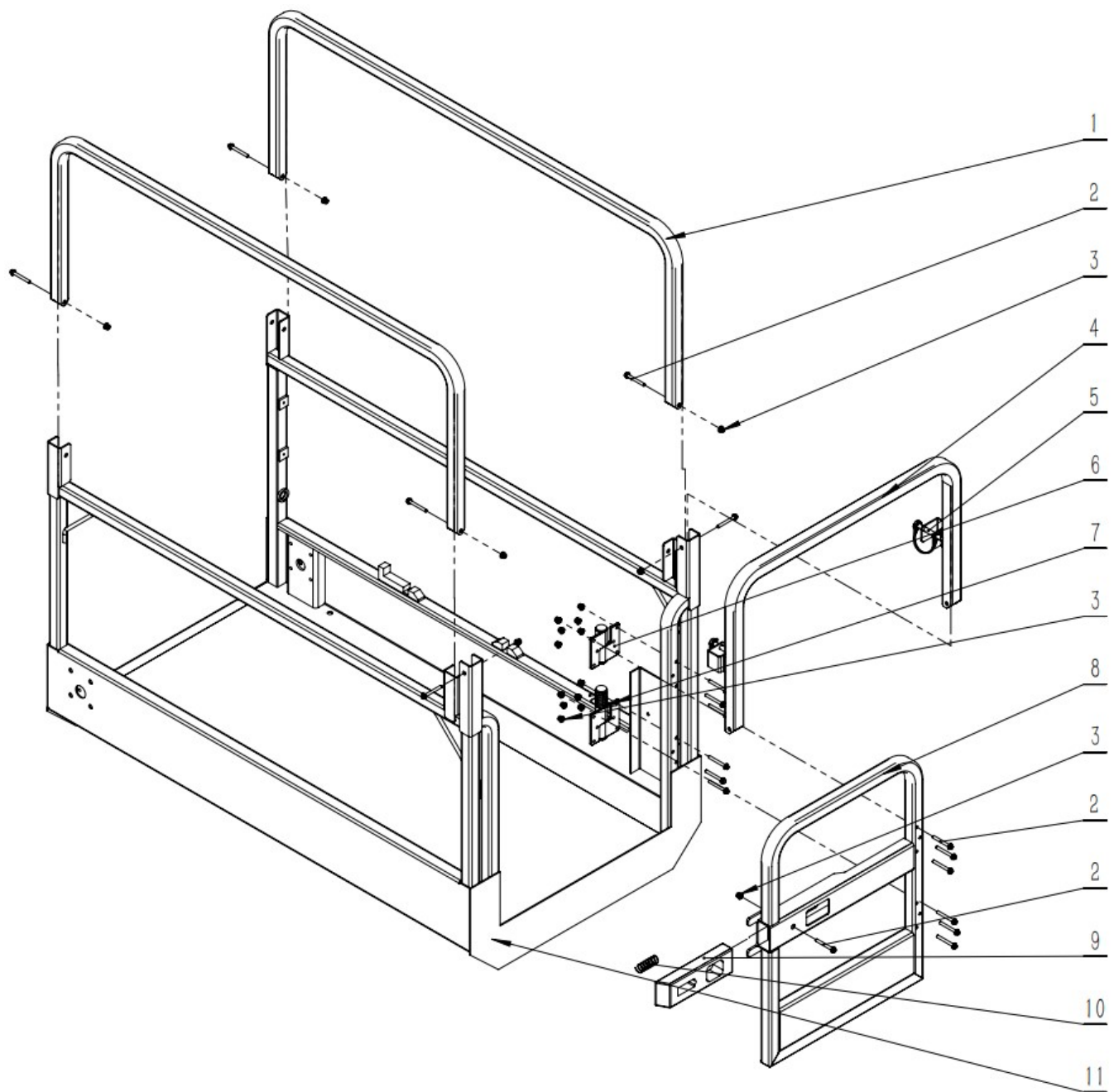
3.1 Platform assembly



3.1 Platform assembly

Item	Part No.	Description	Qty	Item
1	60XEND-810000-001	Fixed platform	1	See 3.2
2	60XEND-801000-000	Platform pedal	1	See 3.4
3	GB5787-86	Bolt M8×20	2	
4	60XEND-800012-000	Rubber pad	2	
5	GB818-85	Bolt M5×20	2	
6	GB818-85	Bolt M5×12	4	
7	GB93-87	Washer 5	4	
8	GB97.1-85	Washer 5	4	
9	60XEND-800400-000	Handle bracket	1	
10	60XEND-750000-G01	Handle	1	
11	GB/T 923-2009	Nut M6	4	
12	GB889-86	Nut M6	4	
13	GB97.1-85	Washer 6	8	
14	78XEN-820100-G00	File Box	1	
15	GB5783-86	Bolt M6×20	4	
16	GB/T70.3-2000	Bolt M8×45	16	
17	60XEND-800500-000	Roller bracket	4	
18	60XEND-800002-000	Small roller	2	
19	GB/276-94	bearing 6204-Z	4	
20	GB893.1-86	Snap ring 47	4	
21	60XEND-820100-000	Mobile platform	1	见 3.3
22	60XEND-800001-000	Big roller	2	

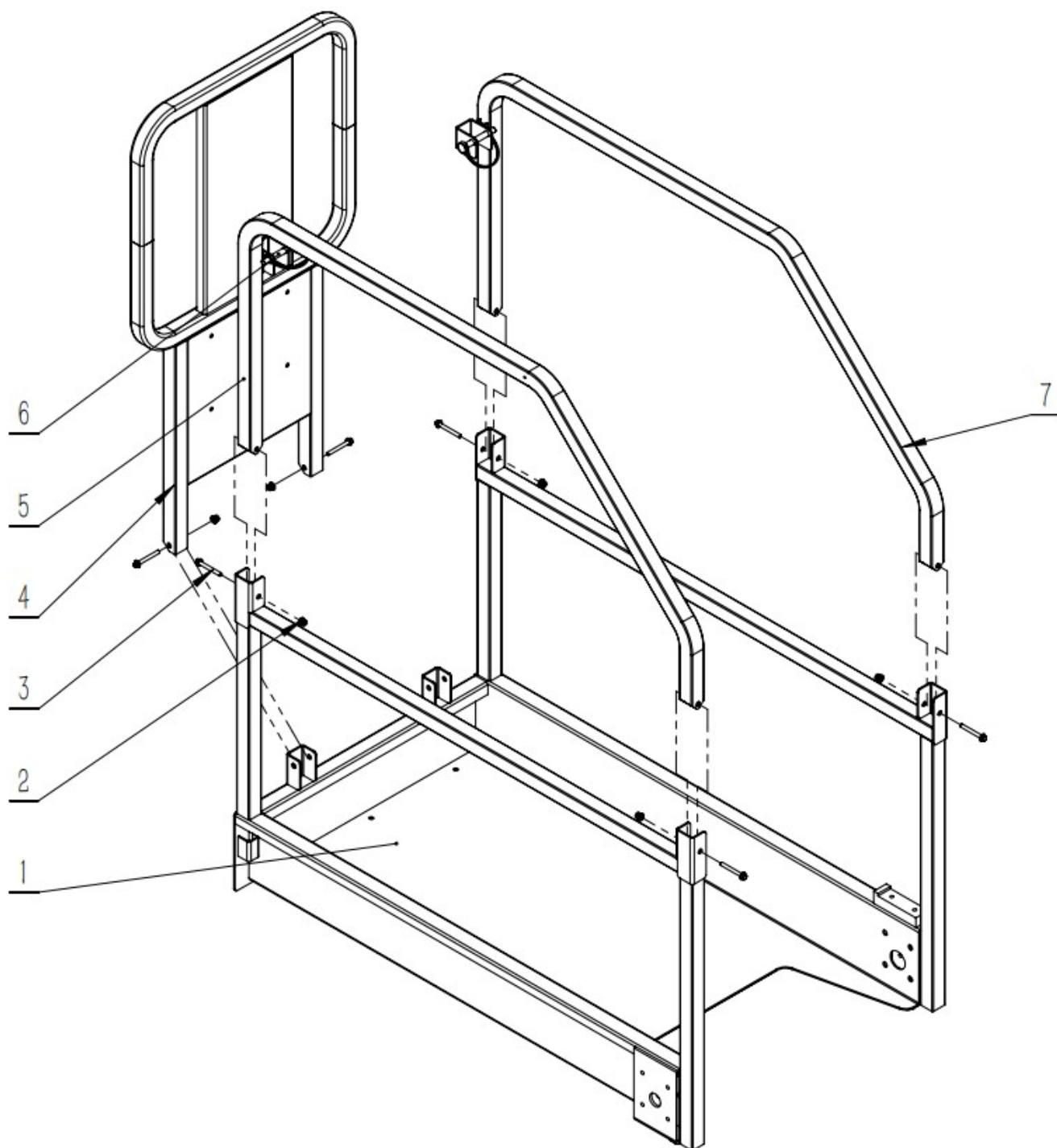
3.2 Fixed platform assembly



3.2 Fixed platform assembly

Item	Part No.	Description	Qty	Item
1	60XEND-810401-000	guardrail bend pipe	2	
2	GB/T 16674.1-2016	Bolt M6×50	18	
3	GB6183-86	Nut M6	18	
4	60XEND-810600-000	Rear guardrail	1	
5	60XEND-800010-000	D-shaped pin	2	
6	60XEND-806001-000	Short hinge	1	
7	60XEND-806002-000	Hinge	1	
8	60XEND-810700-000	Side door assembly	1	
9	140XEN-800001-000	Plastic plug	1	
10	140XEN-800009-000	Spring	1	
11	60XEND-810100-001	Fixed platform	1	

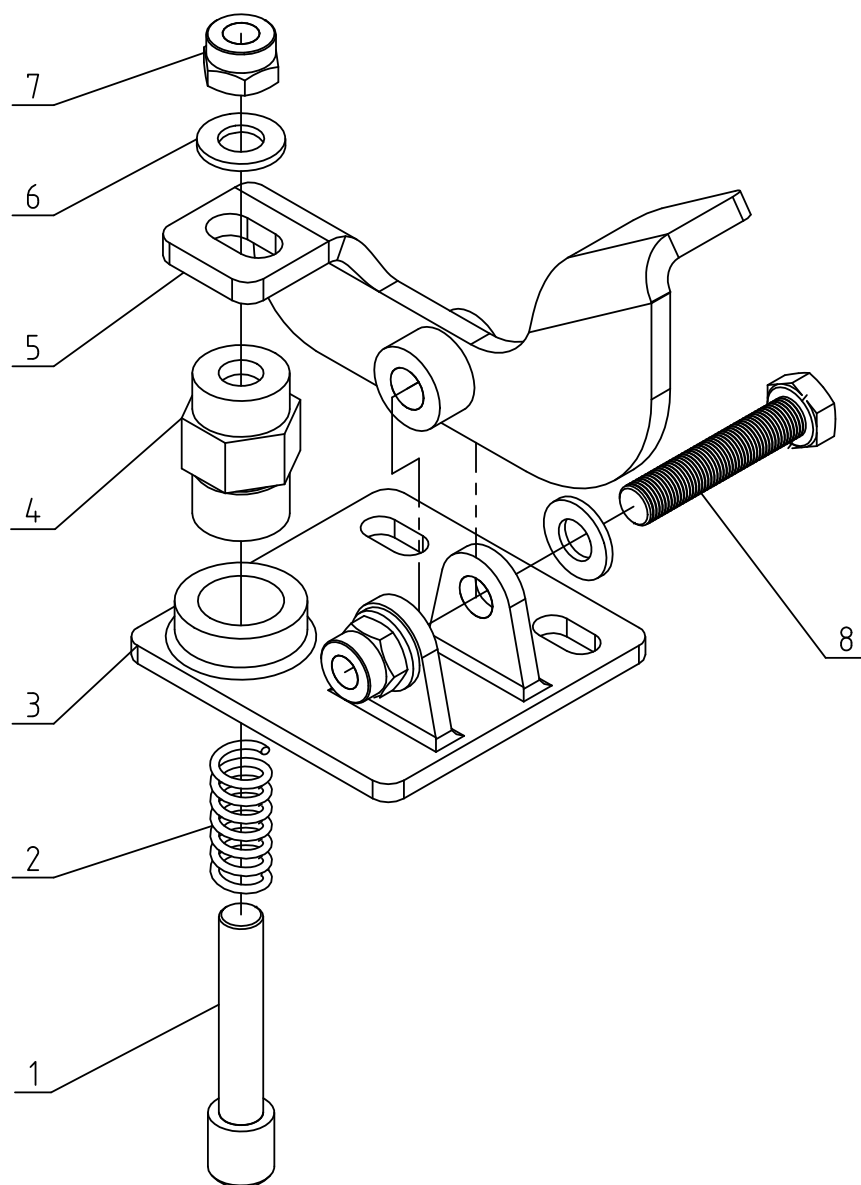
3.3 Extended platform assembly



3.3 Extended platform assembly

Item	Part No.	Description	Qty	Item
1	60XEND-820100-000	Extended platform	1	
2	GB6183-86	Nut M6	6	
3	GB/T 16674.1-2016	Bolt M6×50	6	
4	60XEND-820600-000	Front guardrail	1	
5	60XEND-820400-000	Left upper guardrail	1	
6	60XEND-800010-000	D-shaped pin	2	
7	60XEND-820500-000	Right upper guardrail	1	

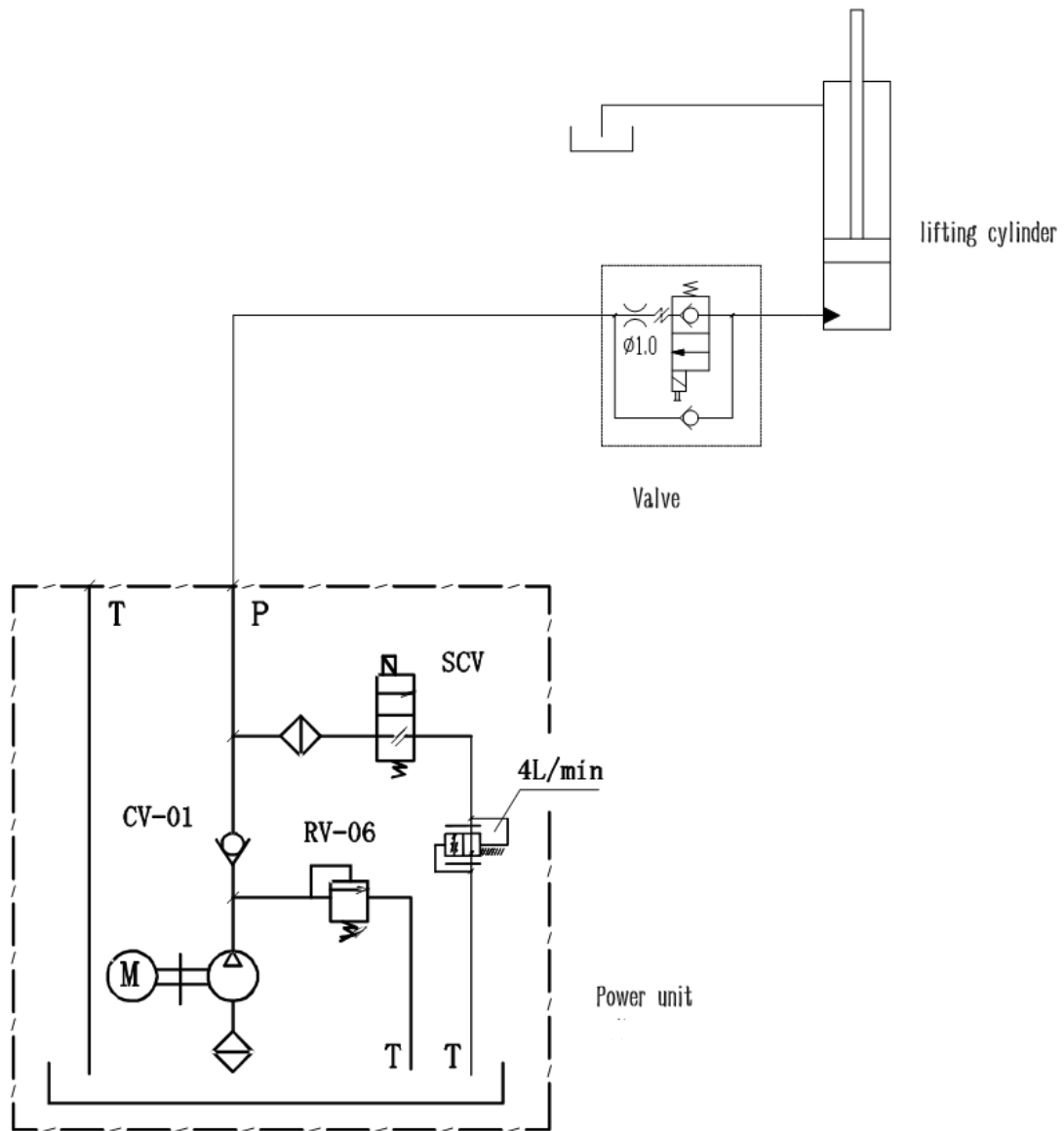
3.4 Pedal assembly



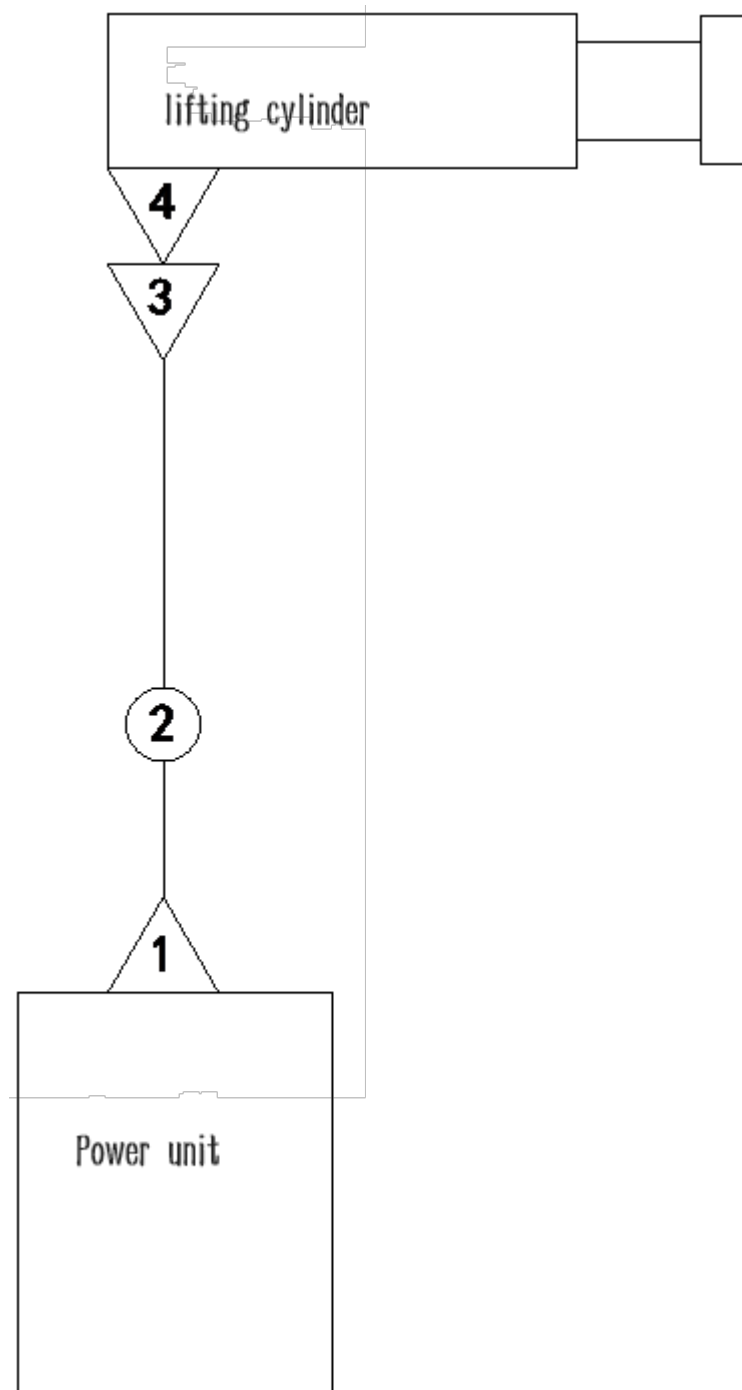
Item	Part No.	Description	Qty
1	140XEN-801004-000	Pin	1
2	140XEN-801005-000	Spring	1
3	140XEN-801001-000	Pedestal	
4	140XEN-801003-000	Guide sleeve	1
5	140XEN-801002-000	Pedal	1
6	GB/T 97 10	Plain washer 10	3
7	GB/T 889 M10	Hexagon nut M10	2
8	GB/T 5783 M10×50	Bolt M10×50	1

4 Hydraulic system

Hydraulic schematic diagram



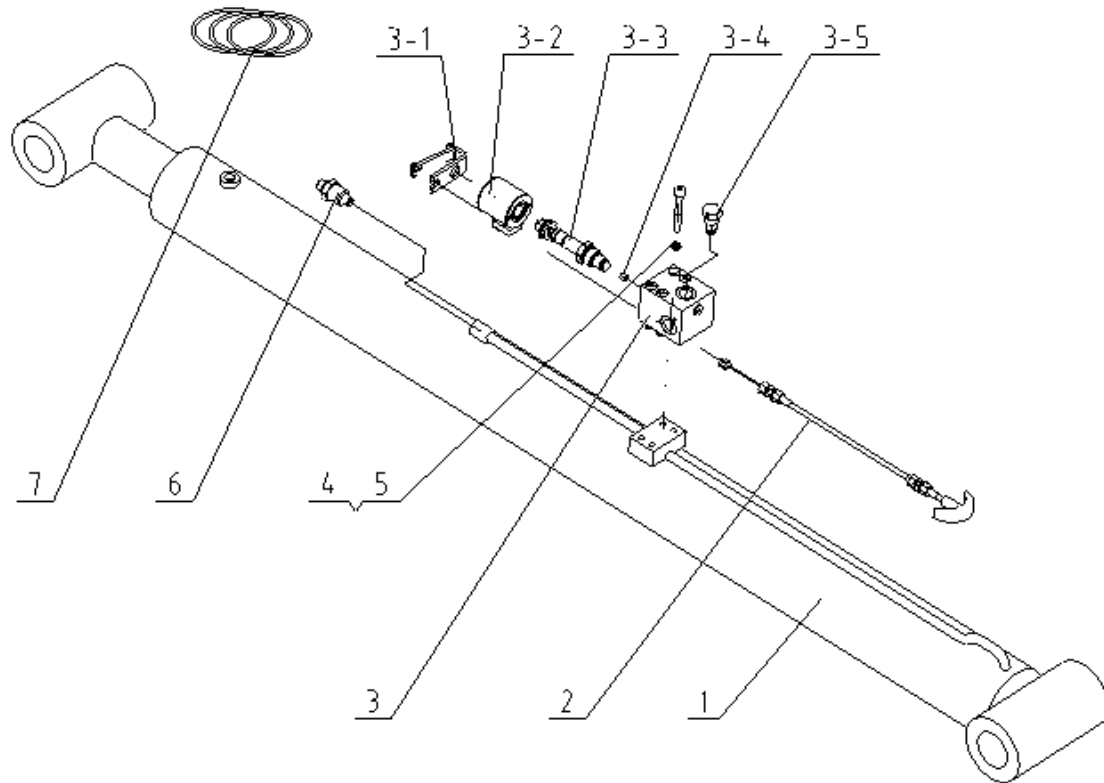
4.1 Hydraulic pipeline



4.1 Hydraulic pipeline

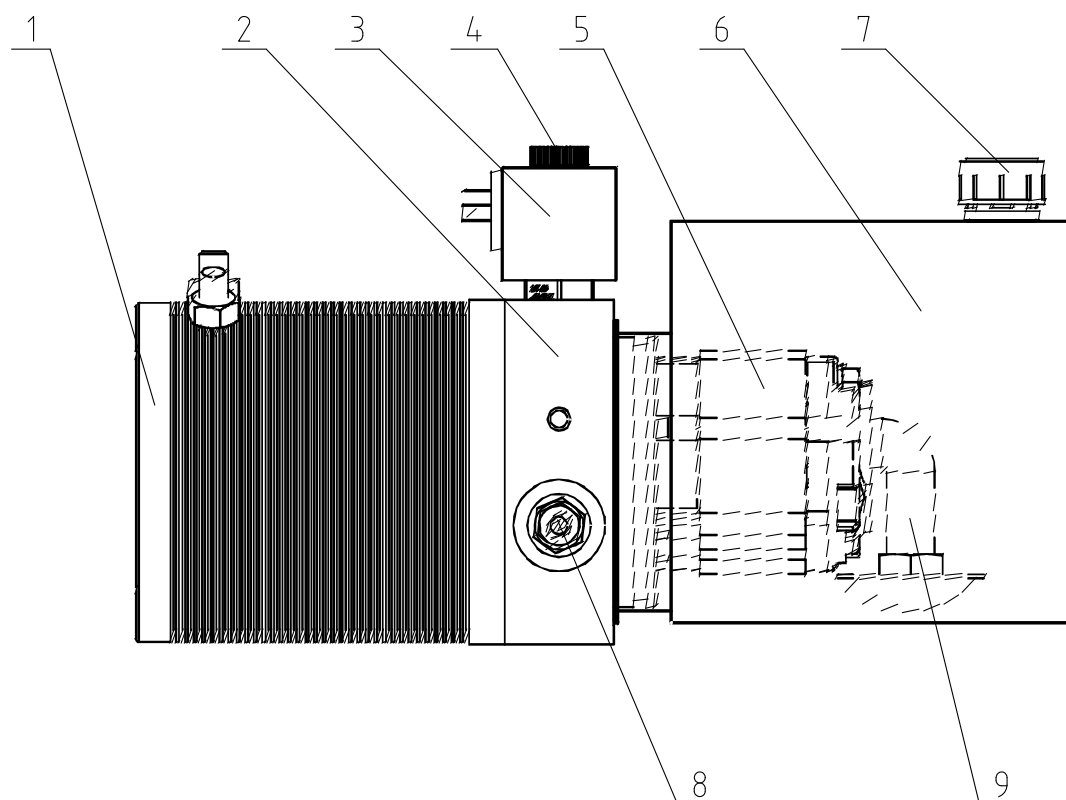
Item	Part No.	Description	Qty	Serial
1	JT-110414-G00	Joint G1/4" to M14	1	
2	XIZ65T-630001-000	Rubber hose	1	
3	JT-201414-G01	Right angle joint M14	1	
4	JT-110614-G00	Joint G3/8" to M14	1	

4.2 Lifting cylinder assembly



Item	Part No.	Description	Qty	Serial
1	XIZ65T-620100-000	Lifting cylinder	1	
2	60XEND-400440-010	Digging rope	1	
3	140XEN-641200-G30	Cylinder valve	1	Assembly
3-1	140XEN-641201-G30	Cable support bracket	1	
3-2	140XEN-641202-G30	Solenoid coil	1	
3-3	140XEN-641203-G30	Valve spool	1	
3-4	140XEN-641204-G30	damping	1	
3-5	140XEN-641205-G30	One-way valve	1	
4	GB/T 70.1-2008	Bolt M8×60	4	
5	GB/T 93-1987	Spring washer 8	4	
6	78XEN-741300-G01	Pressure sensor	1	Optional
7	XIZ65T-620100-000KIT	Repair kit	1	

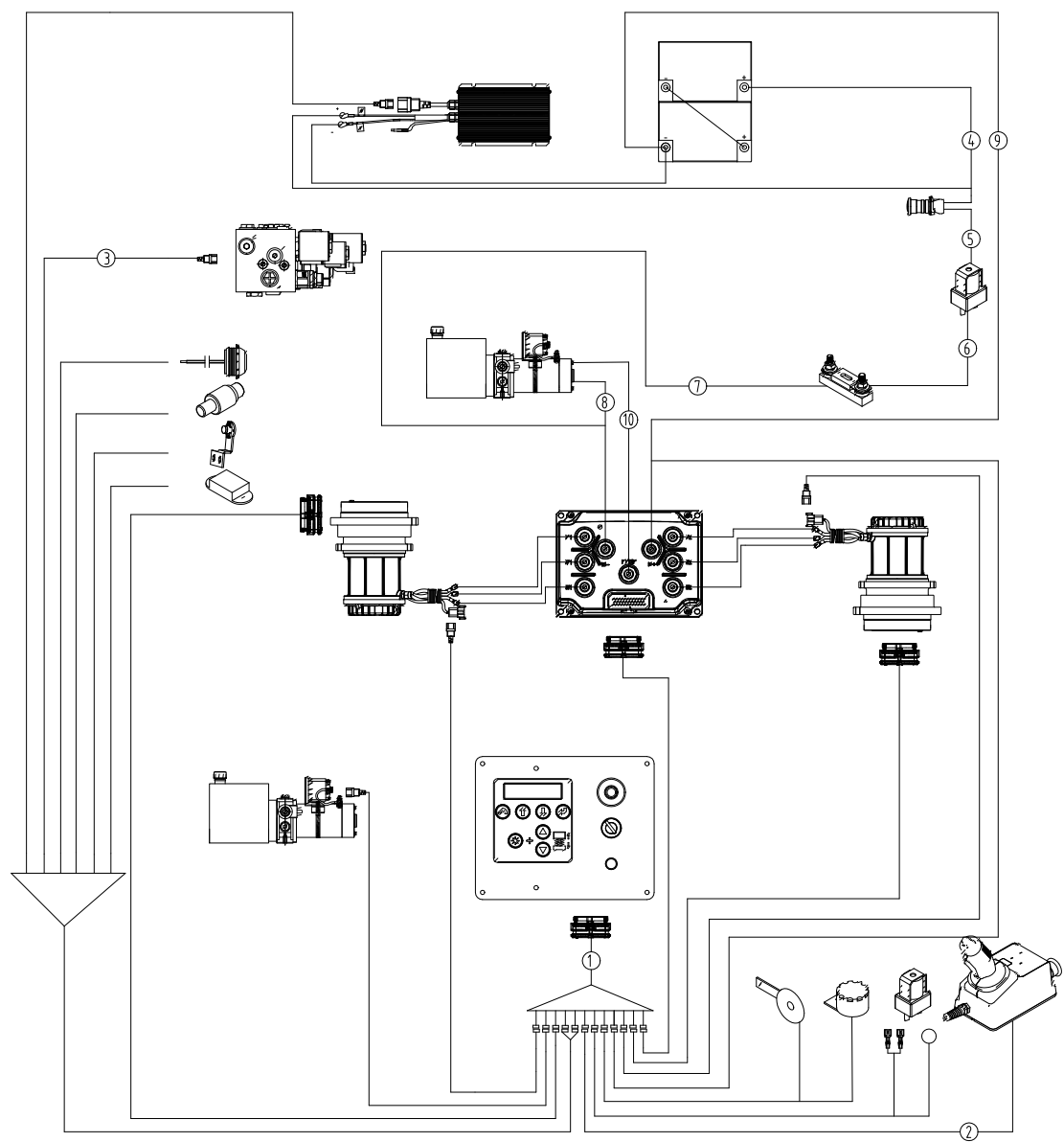
4.3 Power unit



Item	Part No.	Description	Qty	Serial
0	HS0608TP-610000-000	Power unit	1	Assembly
1	HS0608TP-610001-000	Motor	1	
2	HS0608TP-610002-000	Valve block	1	
3	HS0608TP-610003-000	Coil	1	
4	HS0608TP-610004-000	Valve spool	1	
5	HS0608TP-610005-000	Pump	1	
6	HS0608TP-610006-000	Oil tank	1	
7	HS0608TP-610007-000	Respirator	1	
8	HS0608TP-610008-000	Overflow valve	1	
9	HS0608TP-610009-000	Oil suction pipe	1	

5 Electric System

5.1 Electric harness

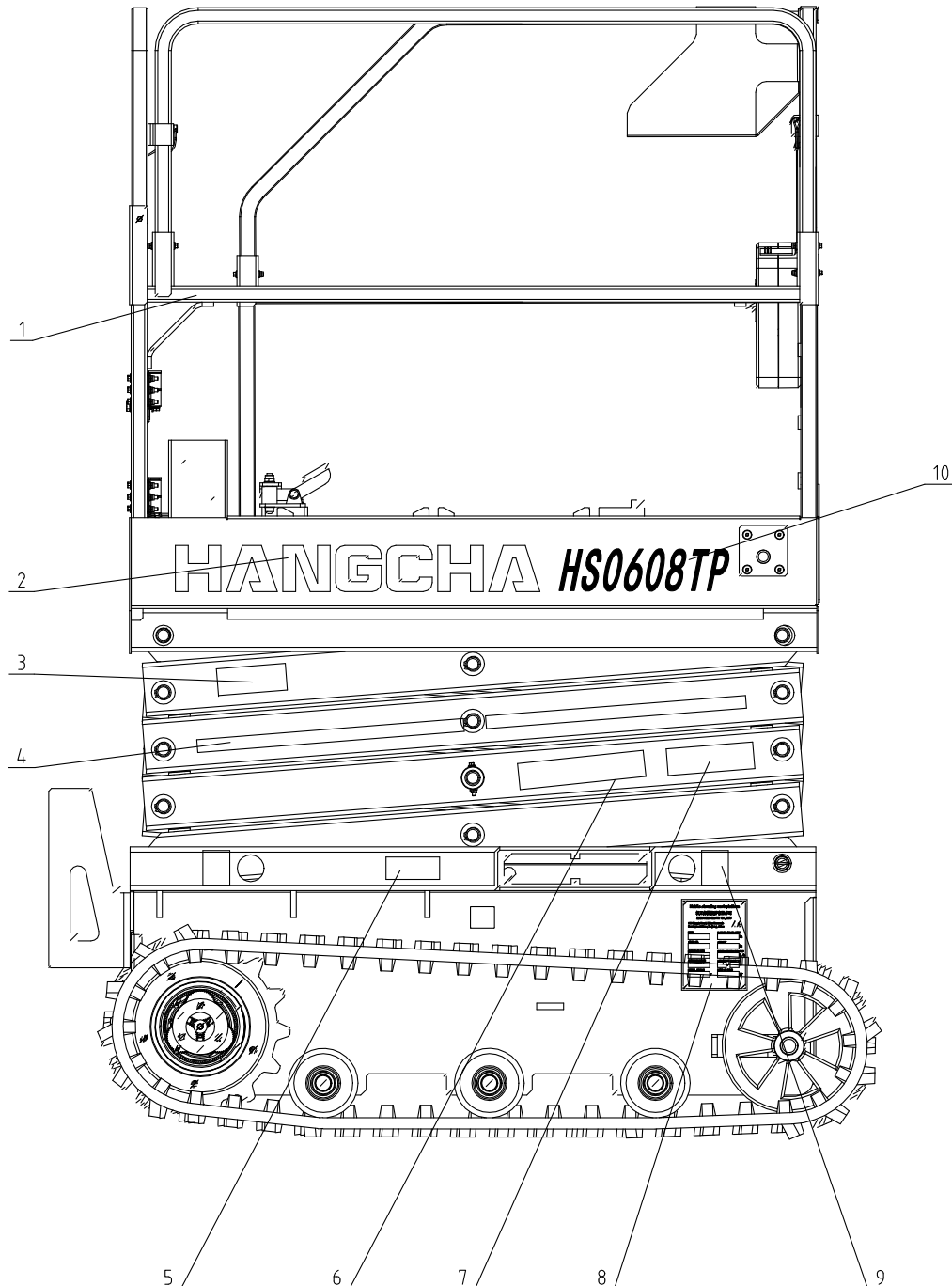


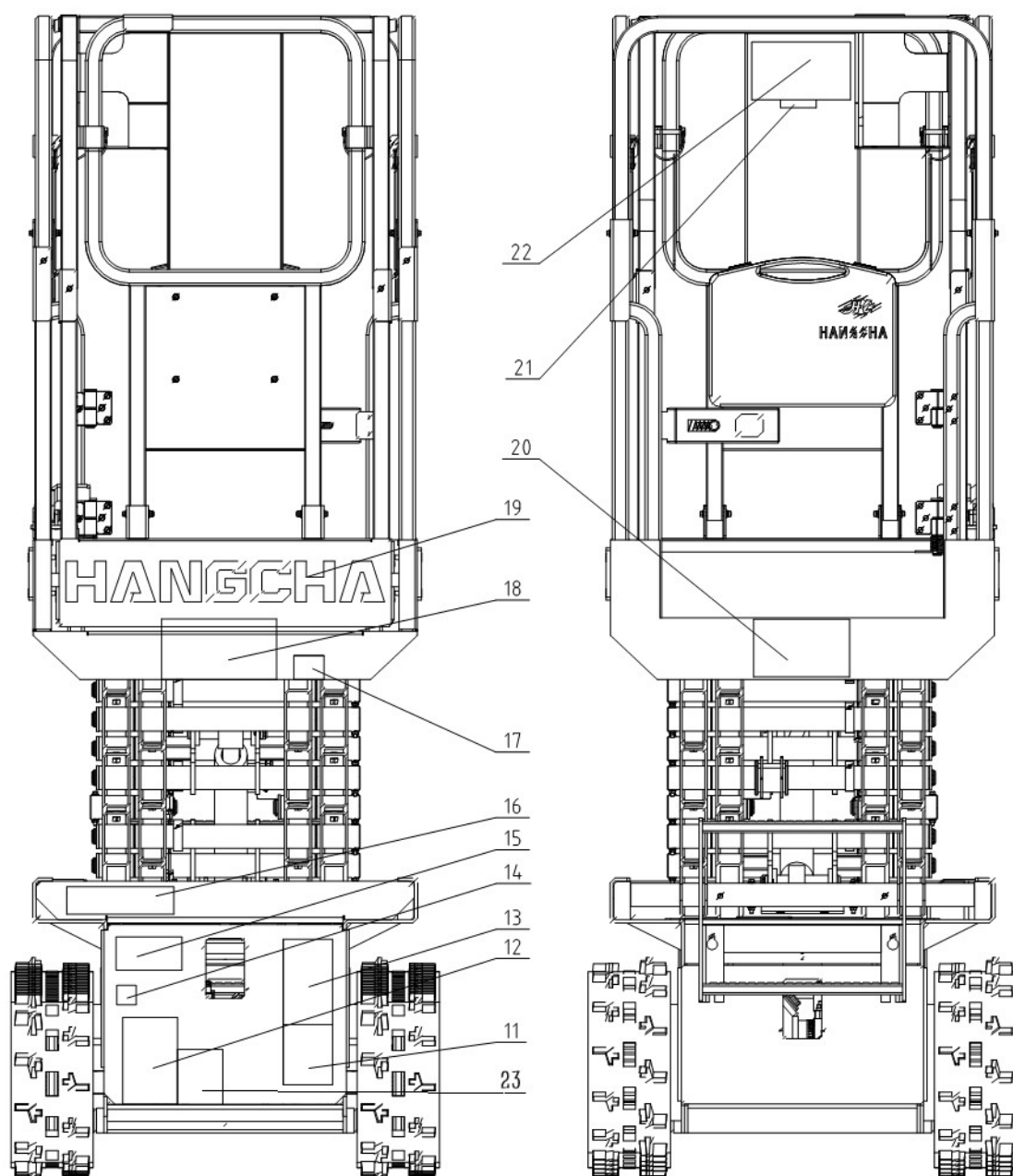
5.1 Electric harness

Item	Part No.	Description	Qty	Serial
1	HS0608TP-710000-001	Main wiring harness	1	
2	HS0608TP-700100-000	Handle adapter cable	1	
3	HS0608TP-720100-000	Cylinder adapter line	1	
4	HS0608TP-730100-000	Cable line	1	
5	HS0608TP-730200-000	Cable line	1	
6	HS0608TP-730300-000	Cable line	1	
7	HS0608TP-730400-000	Cable line	1	
8	HS0608TP-730500-000	Cable line	1	
9	HS0608TP-730600-000	Cable line	1	
10	HS0608TP-730700-000	Cable line	1	

6 Label

6.1 Label diagram





6.1 Label diagram

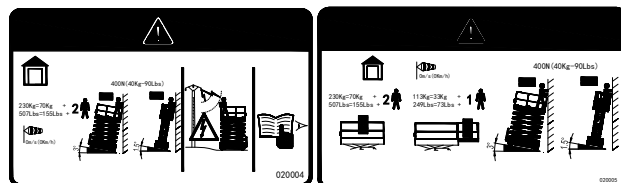
Item	Part No.	Description	Qty	Serial
1	78XEN-020025-000	Safety belt hook	3	
2	GXR1600-020012-A00	HANGCHA	2	
3	78XEN-020008-000	Head collision warning	2	
4	78XEN-020009-000	Warning strip	4	
5	78XEN-020015-000	Flip through the instruction manual	1	
6	78XEN-020023-000	Crushing hazard	2	
7	78XEN-020014-000	Instruction manual	2	
8	78XEN-910001-000	Nameplate	1	
9	R960-020035-001	Lifting tags	4	
10	HS0608TP-020001-000	HS0608TP	2	
11	GTHZ120-020012-000	Battery replacement requirements	1	
12	78XEN-020003-000	Power outage instructions	1	
13	78XEN-020013-000	Battery safety warning	1	
14	R960-020011-001	Hydraulic oil	1	
15	GTHZ120-020008-000	Waterproof reminder	1	
16	60XEND-020020-000	Emergency descent	1	
17	R960-020012-001	CE	1	
18	78XEN-020030-000	IPAF	1	
19	GXR1600-020012-A00	HANGCHA	1	
20	100XENS-020005-000	Load instructions	1	
21	78XEN-020024-000	Safety belt hook	1	
22	100XENS-020004-001	Load instructions	1	
23	HS0608TP-740504-000	Panel stickers	1	

6.2 Label diagram

HS0608TP-020001-000

HS 0608 TP 020001

100XENS-020004-000 100XENS-020005-000



78XEN-020015-000

60XEND-020020-000 78XEN-020024-000

78XEN-020025-000

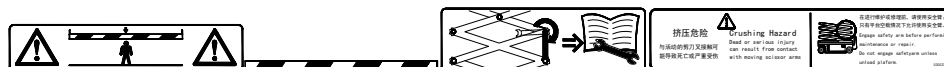


78XEN-020008-000

78XEN-020009-000

78XEN-020014-000

78XEN-020023-000

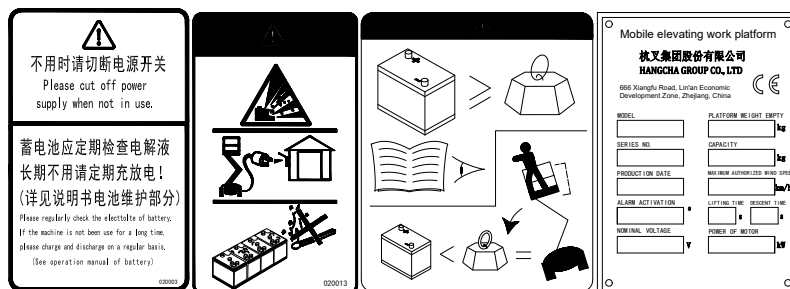


78XEN-020003-000

78XEN-020013-000

GTHZ120-020012-000

78XEN-910001-000



GTHZ120-020008-000 78XEN-020030-000

R960-020012-001

R960-020035-001



GXR1600-020012-A00

GXR1600-020012-A00

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