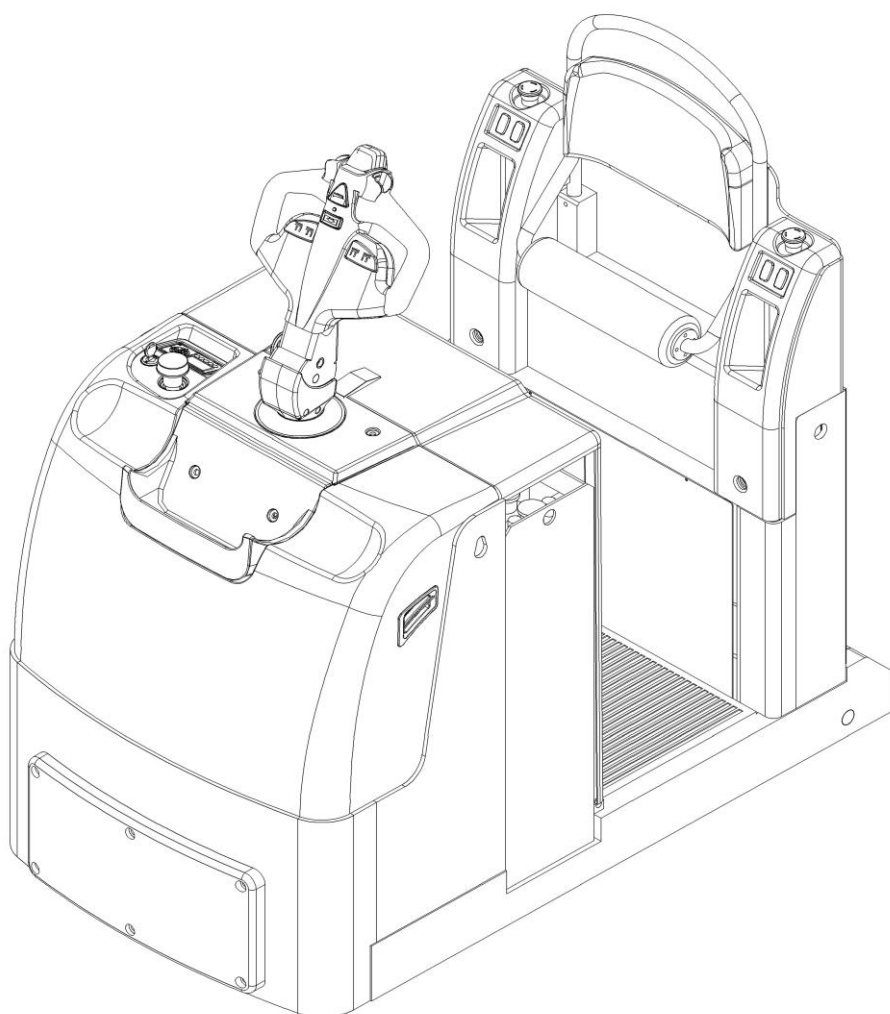


d

SPARE PARTS LIST

Electric Tow Tractor T 30



Version 09/2014

From truck identification number:

451405199901

T 30-BPT-001-EN

Catalogue

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Fig.1 Outline

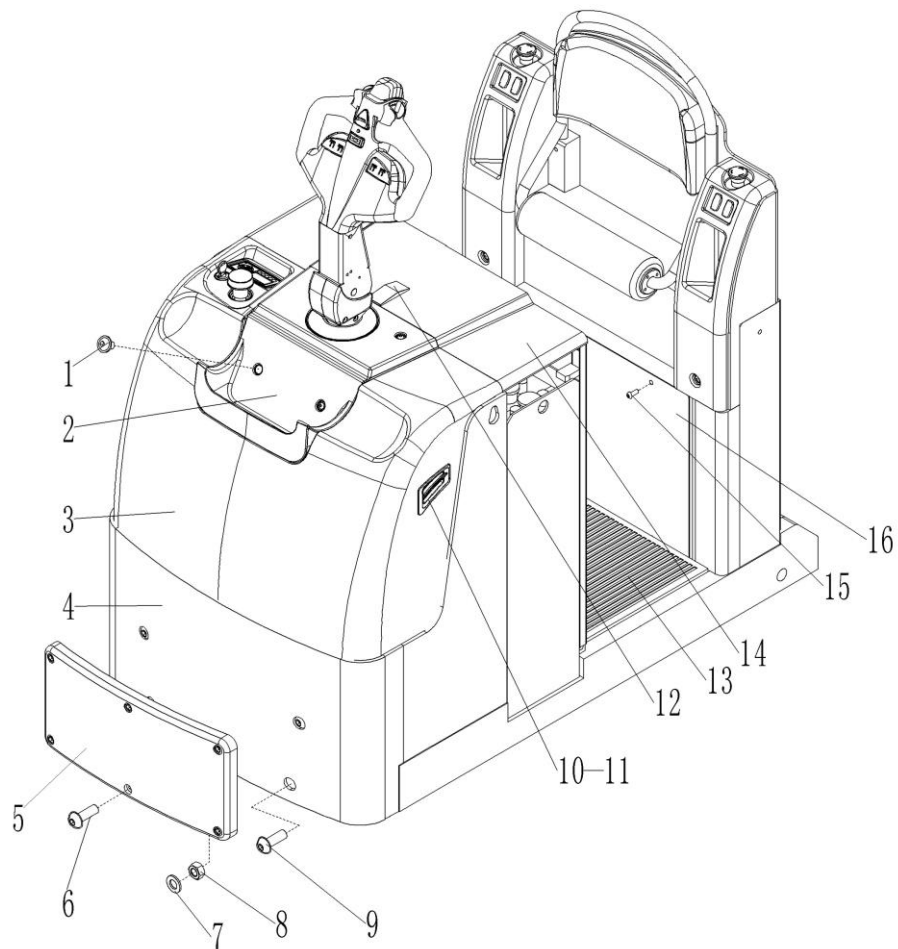


Fig.1 Outline

No.	Art No.	Description	Qty.	Note
1	2000423001	Screw	4	M10X15
2	9000008467	Plastic wrap cover	1	
3	9000008466	Main cover	1	
4	9000008475	Front baffle	1	
5	9000010252	Damping pad	1	
6	9000007792	Screw	6	M10X45
7	0000025002	Washer	6	10
8	0000023005	Nut	6	M10
9	1000423003	Screw	4	M10X30
10	9000007920	Left vent assembly	1	
11	9000007923	Right vent assembly	1	

12	9000008521	Buckle	1	
13	9000008470	Rubber pad	1	
14	9000008476	Battery baffle	1	
15	0000023610	Screw	4	M4X8
16	9000008468	Seal board	1	

Fig.2 Load roller assembly

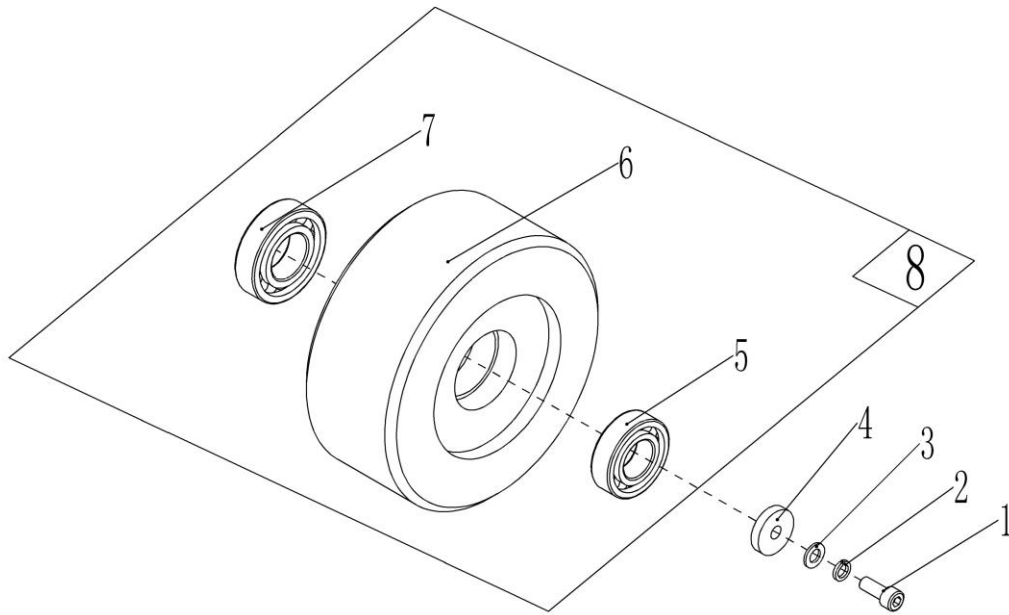


Fig.2 Load Roller Assembly

No.	Art No.	Description	Qty.	Note
1	0000023044	Screw	2	M8x20
2	0000025001	Washer 8	2	
3	0000025011	Washer 8	2	
4	9000000580	Roller axle fixing plate	2	
5	0000027011	Bearing 6205	2	
6	9000000579	Roller	2	
7	0000027012	Bearing 6206	2	
8	9000010802	Roller kit	2	

Fig.3 Traction rod assembly

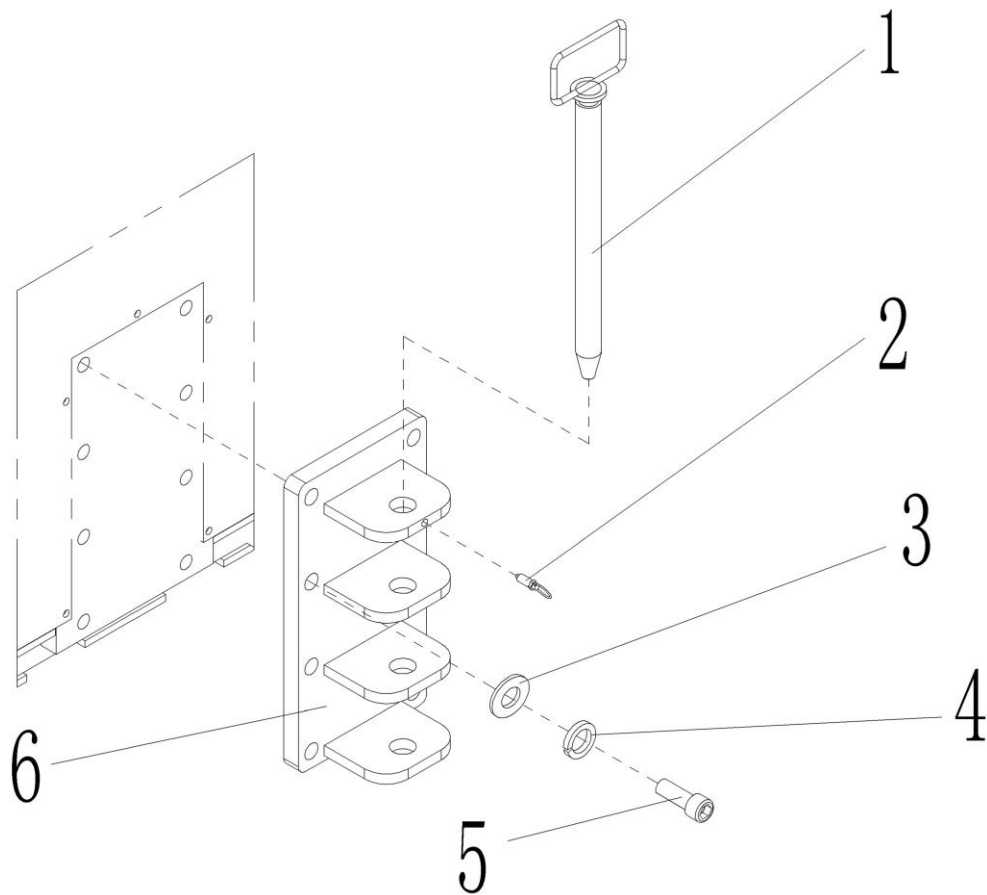


Fig.3 Traction Rod Assembly

No.	Art No.	Description	Qty.	Note
1	9000010803	Traction rod	1	
2	9000010350	Pin	1	
3	0000025029	Washer	8	
4	0000025059	Washer	8	
5	0090000512	Screw	8	
6	9000010804	Traction board	1	

Fig.4 Roller assembly

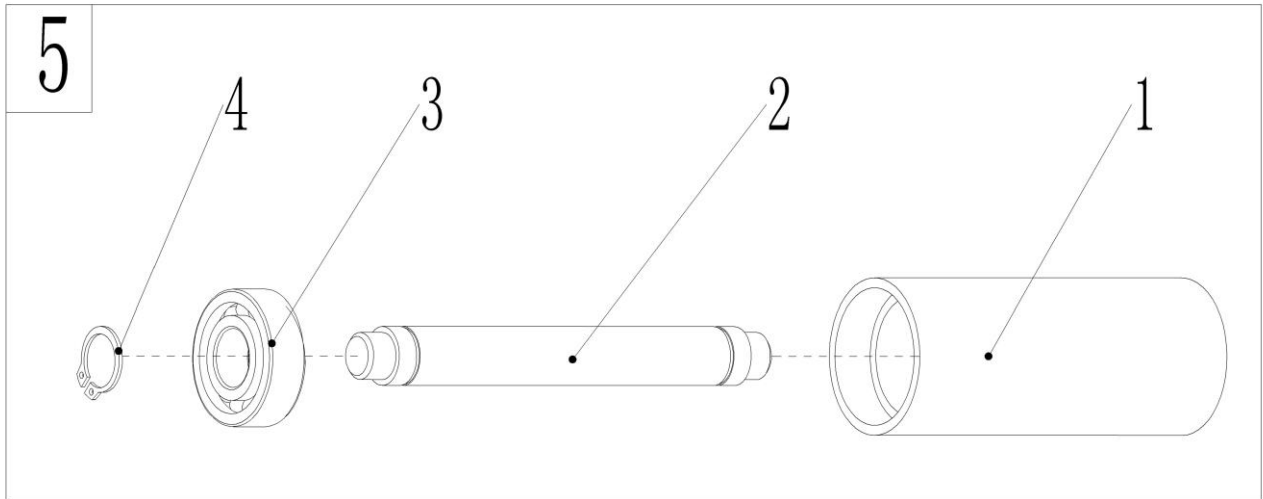


Fig.4 Roller Assembly

No.	Art No.	Description	Qty.	Note
1	9000008481	Barrel	8	
2	9000008480	Axle	8	
3	0000027060	Bearing 6202	16	
4	0000026004	Circlip 15	16	
5	9000008477	Roller assembly	8	

Fig.5 Backrest assembly

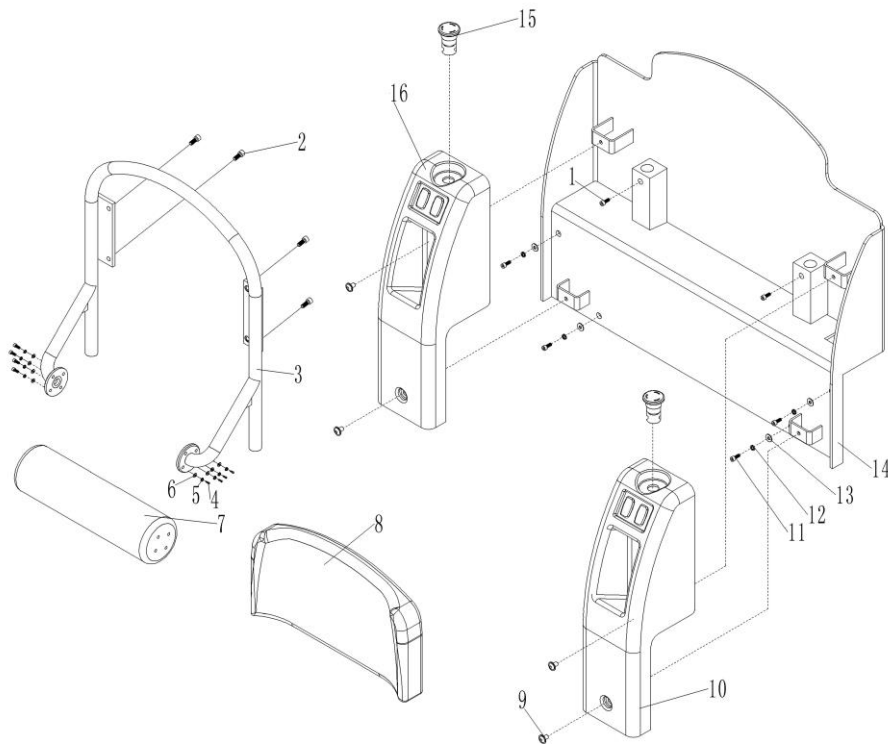


Fig.5 Backrest Assembly

No.	Art No.	Description	Qty.	Note
1	0000023632	Bolt	2	M8x16
2	0000023044	Screw	4	M8X20
3	9000008483	Backrest connection	1	
4	0000023020	Screw	8	M6X20
5	0000025010	Washer	8	6
6	0000023055	Washer	8	6
7	9000008486	Seat cushion	1	
8	9000008485	Backrest	1	
9	3066402001	Screw	4	M8X12
10	9000008488	Right guard rail	1	
11	0000023875	Screw M12x20	4	
12	0000025024	Washer	4	12
13	0000025032	Washer	4	12
14	9000008482	Backrest frame	1	
15	1010434024	Emergency button	2	CE4T-10R-01
16	9000008487	Left guard rail	1	

Fig.6 Drive system

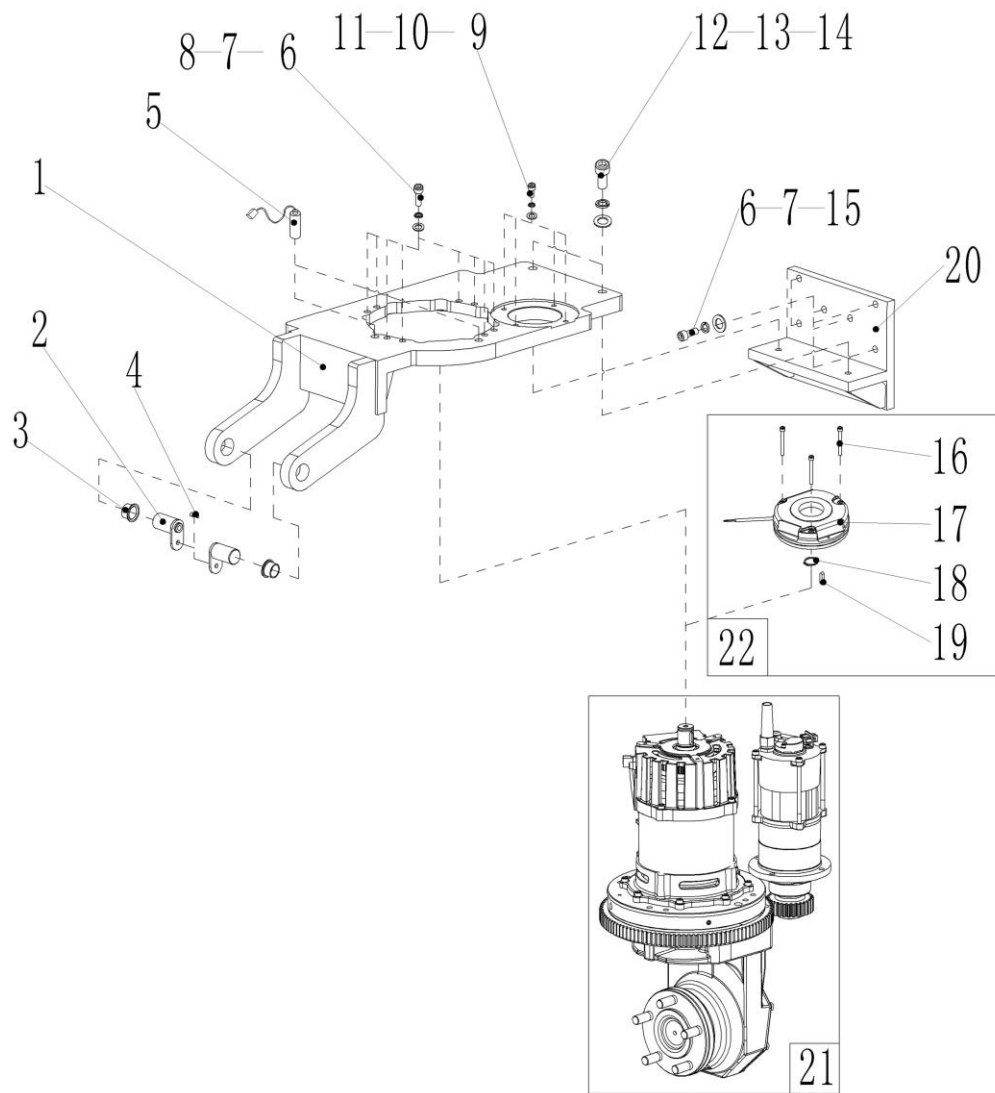


Fig.6 Drive System

No.	Art No.	Description	Qty.	Note
1	9000010805	Drive wheel assembly board	1	
2	9000008499	Short axle 一	2	
3	9000007798	Bushing	2	25X28X25.5
4	0000023053	Screw	2	M6x12
5	9000010298	Proximity switch	2	Fi4-M12-ON6L/L70
6	0000025002	Washer	14	10
7	0000023006	Washer	14	10
8	0000023029	Screw	8	M10x40
9	0000023047	Screw	4	M8x25
10	0000025011	Washer	4	8
11	0000025001	Washer	4	8
12	0000025032	Washer	2	12
13	0000025024	Washer	2	12
14	0000023122	Screw	2	M12x50
15	0000023158	Screw	6	M10x30
16	3070606041	Screw	3	M6X60
17	9000010172	Electromagnetic brake	1	
18	0000026013	Circlip	1	25
19	0090000591	Flat key A	1	8x20
20	9000010806	Drive wheel fixing	1	
21	9000010171	AC drive AC steering assembly	1	
22	9000010565	Electromagnetic brake kit	1	

Fig.7 Drive wheel

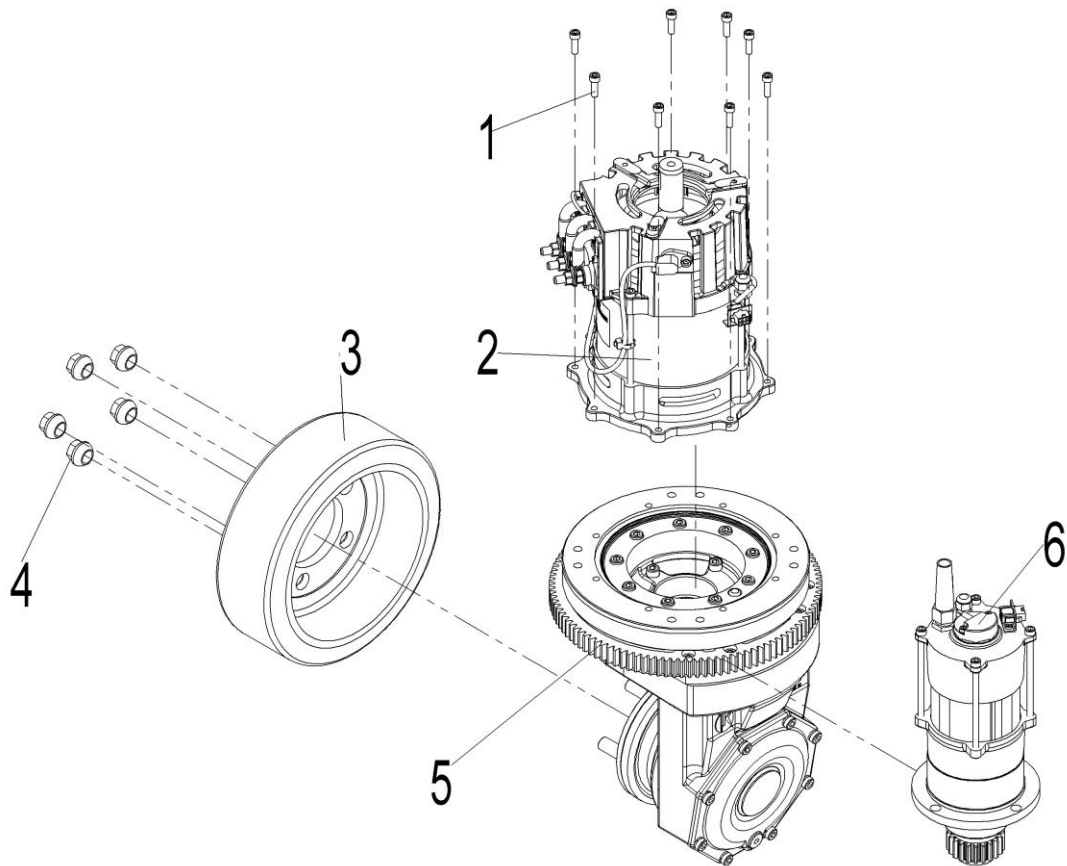


Fig.7 Drive Wheel

No.	Art No.	Description	Qty.	Note
1	9000010309	Screw	8	M6×20
2	9000010310	Motor	1	
3	9000007767	Drive wheel	1	250×82
4	3014702006	Nut	5	
5	9000010308	Gear box	1	
6	9000010311	Steering equipment	1	

Fig.8 Handle assembly

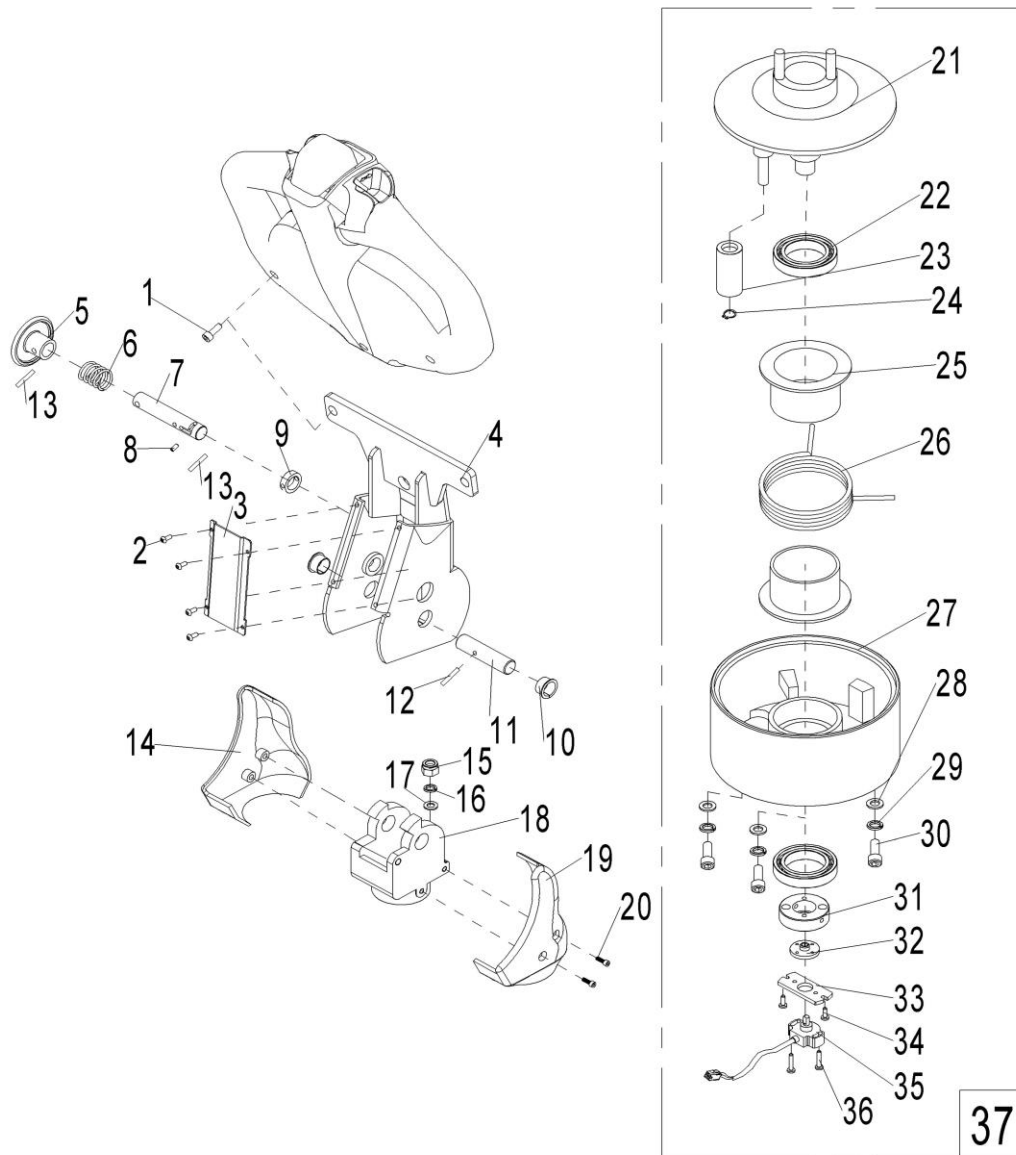


Fig.8 Handle Assembly

No.	Art No.	Description	Qty.	Note
1	0000023047	Bolt	2	M8x25
2	1000123003	Screw	4	M4x8
3	9000008507	Cover board	1	
4	9000008505	Handle arm	1	
5	9000010029	Hand roller	1	
6	9000009992	Spring (φ2, length 32.5)	1	
7	9000008739	Axle	1	
8	0000023803	Screw	1	M6x10
9	9000008738	Spacer bushing	1	
10	1000113001	Bushing (φ17xφ19x11)	2	
11	9000008740	Handle axle	1	
12	0000028071	Dowel pin	1	4x30
13	0000028023	Dowel pin	2	5x20
14	9000007930	Left handle cover	1	
15	0000024065	Nut	2	M10
16	0000023006	Washer	2	10
17	0000025002	Washer	2	10
18	9000010030	Handle seat	1	
19	9000007931	Right handle cover	1	
20	0000023519	Screw	4	M6x10
21	9000008506	Rotating axle	1	
22	0000026002	Bearing 6204	2	
23	9000008511	Nylon sleeve	1	
24	0000026051	Circlip 8	1	
25	9000008508	Bushing	2	
26	9000007789	Spring	1	
27	9000008510	Handle seat	1	
28	0000025011	Washer	3	8
29	0000025001	Washer	3	8
30	0000023044	Screw	3	M8x20
31	9000010253	Nut	1	
32	9000010254	Linking block	1	
33	9000008509	Potentiometer assembly plate	1	
34	0000023056	Screw	2	M4x12
35	9000010209	Potentiometer	1	PSC360-F
36	0000023568	Screw	2	M4x20
37	9000010568	Handle seat kit		

Fig.9 Handle head

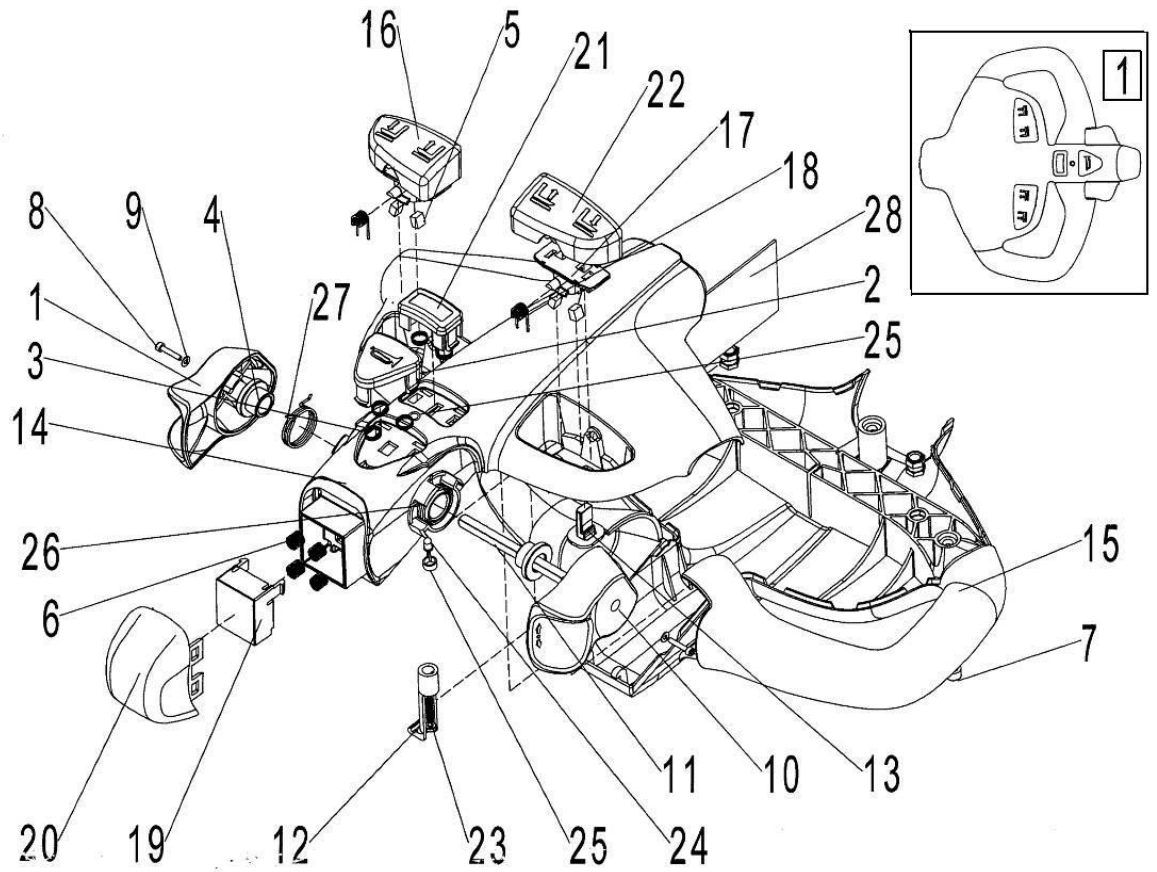


Fig.9 Handle Head

No.	Art No.	Description	Qty.	Note
1	1010114001	Left drive knob	1	
2	1000114015	Horn button	1	
3	1000131009	Horn button spring	5	
4	1000113004	Camshaft bushing	2	
5	1000137001	Magnet	4	▲
6	1000131010	Spring	4	
7	0000023058	Screw	3	M6 ×10
8	0000023057	Screw	2	M3 ×16
9	0000025026	Washer	2	3
10	1010114003	Right drive knob	1	
11	1000107002	Drive knob axle	1	
12	1000137002	PCB clip	1	
13	1000134005	Sensor	2	
14	1000103012	Handle	1	
15	1000103013	Handle	1	
16	1000114017	Left button	1	
17	1000137003	Magnet fixing plate	2	
18	1000131011	Spring	2	
19	1000114018	Emergency changeover button seat	1	
20	1000114020	Emergency changeover button cover	1	
21	1000114021	Option switch cover	1	
22	1000114022	Right button	1	
23	0000023060	Screw	1	ST4.2X25
24	1000134006	LED bi- color light	1	
25	1000103014	Seat of LED bi- color light	1	
26	1000131012	Right drive knob spring	1	
27	1000131013	Left drive knob spring	1	
28	1100135001	PCB	1	
④	1100100001	Canbus Handle C94300-90(REMA)	1	

Fig.10 Indicator assembly

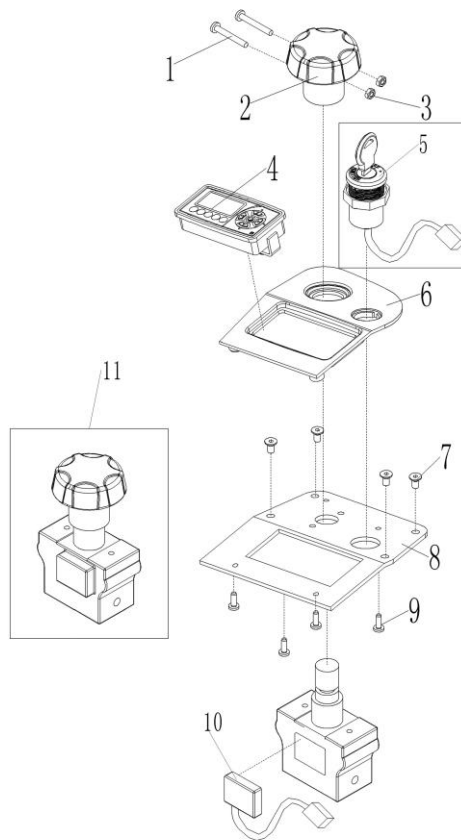


Fig.10 Indicator Assembly

No.	Art No.	Description	Qty.	Note
1	0000023685	Screw	2	
2	9000008516	DC power switch ZDK32-350 head	1	
3	0000024002	Nut	2	
4	3022434018	Intelligent indicator ECO SMART DISPLAY	1	
5	9000010241	Key switch LKS-101A	1	
6	9000008490	Integration panel	1	
7	0000023053	Screw	4	M6X12
8	9000008489	Indicator fixing board	1	
9	0000023016	Screw	4	M4X12
10	9000008517	DC power switch ZDK32-350micro switch	1	
11	9000008515	DC power switch	1	

Fig.11 Electrical box

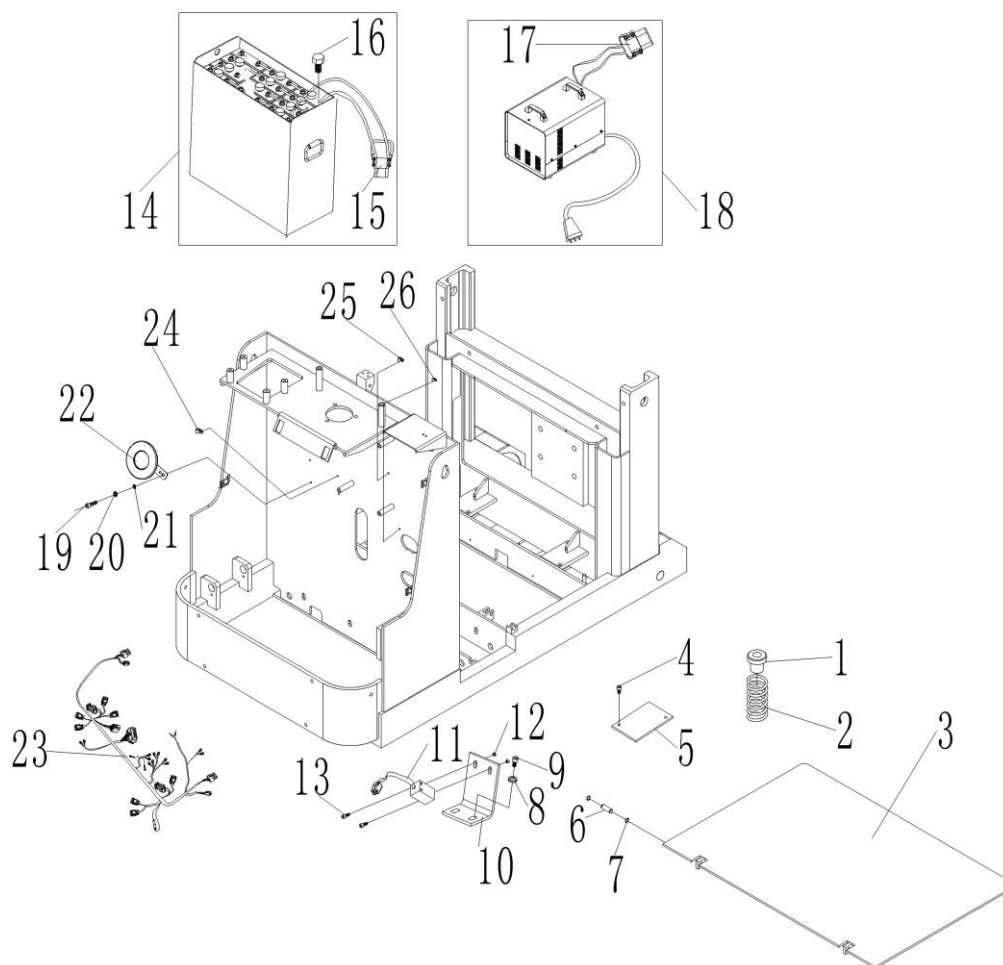


Fig.11 Electrical box

No.	Art No.	Description	Qty.	Note
1	9000008469	Damping pad	2	
2	1100431001	Spring	2	
3	9000008474	Food pedall	1	
4	0000023053	Screw	4	M6X12
5	9000008471	Adjusting board	2	
6	9000008472	Axle	2	
7	0000026041	Circlip	4	10
8	0000025018	Washer	2	4
9	0000023073	Screw	2	M4X10
10	9000008640	Micro switch assembly board	1	
11	9000008327	Proximity switch NBN5-F7-E2	1	
12	0000024156	Nut	1	M4
13	0000023086	Screw	2	M4x25
14	9000008512	Power supply	1	
15	2390434009	DIN160 plug 95012-01 (160A with handle)	1	
16	9000001030	Bolt	1	
17	2390434008	DIN 160A 95039-01	1	
18	9000010291	Charger 24V/65A(Asia in Chinese)	1	
	9000010292	Charger 24V/65A(Asia in English)	1	
	9000010293	Charger 24V/65A(For EU)	1	
	9000010294	Charger 24V/65A(For AUS)	1	
	9000010295	Charger 24V/65A(For UK)	1	
	9000010296	Charger 24V/65A(For USA)	1	
19	0000023089	Screw	1	M8X12
20	0000025001	Washer	1	8
21	0000025011	Washer	1	8
22	1000434015	Horn DC24V	1	
23	9000008603	Main control wiring harness	1	
24	9000009790	Cable clamp UC-3	3	
25	9000008684	Cable clamp UC-5	5	
26	9000009789	Cable clamp UC-7	3	

Fig.12 Control assembly

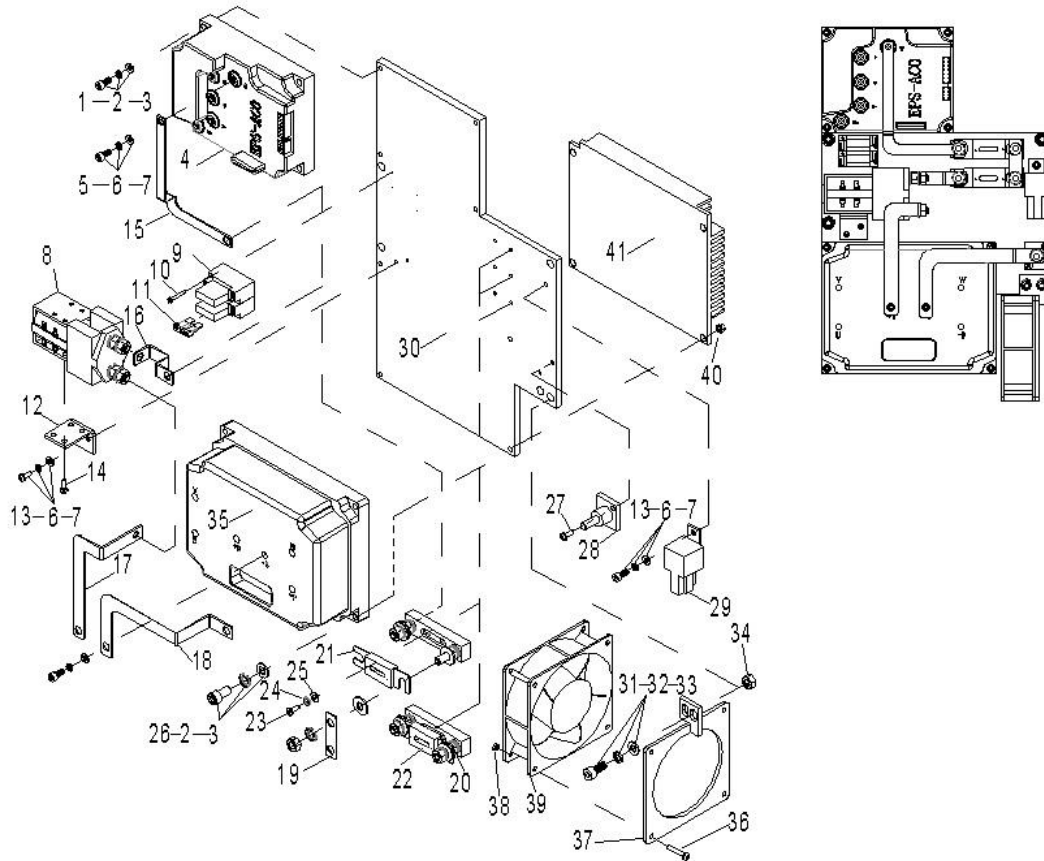


Fig.12 Control Assembly

No.	Art No.	Description	Qty.	Note
1	0000023141	Screw	4	M6x16
2	0000025010	Washer	8	6
3	0000023055	Washer	8	6
4	1100434001	Steering controller EPS-AC0 24V/50A	1	
5	0000023076	Screw	5	M5x12
6	0000025015	Washer	7	5
7	0000025014	Washer	7	5
8	2390434003	Contactor SW180B-4 DC24V	1	
9	1000434021	Fuse seat BD-1x10A	2	
10	0000023074	Screw	4	M3x30

11	1000434040	Fuse 10A	2	
12	2400404007	Main contactor holder	1	
13	0000023039	Screw	2	M5x12
14	0000023534	Screw	2	M5x8
15	9000008613	Copper bar	1	Copper
16	9000008611	Copper bar	1	Copper
17	9000008612	Copper bar	1	Copper
18	9000008614	Copper bar	1	Copper
19	9000008615	Copper bar	1	Copper
20	9000000747	Fuse seat SY Y	3	
21	9000008642	Fuse 30A	1	
22	1020434001	Fuse 200A	2	
23	0000023130	Screw	6	M4x16
24	0000025018	Washer	6	4
25	0000025008	Washer	6	4
26	0000023090	Screw	4	M6x35
27	0000023307	Screw	2	M4x10
28	1020434002	M8 terminal BD-M8	1	
29	1000434041	Pump contactor ACR01F-F-1C 24VDC	1	
30	9000008639	Aluminium board	1	aluminium
31	0000023047	Screw	5	M8x25
32	0000025001	Washer	5	8
33	0000025011	Washer	5	8
34	0000024086	Nut	5	M8
35	1100434002	Traction controller ACE0 PW 24V/320A	1	
36	0000023451	Screw	4	M4x45
37	9000010199	Fan assembly board	1	Weld assembly
38	0000023069	Nut	4	M4
39	1110434003	Fan AD1224UB-F51 DC24V	1	
40	0000024068	Nut	4	M6
41	9000010169	Heating panel	1	aluminium

Fig.13 Cable

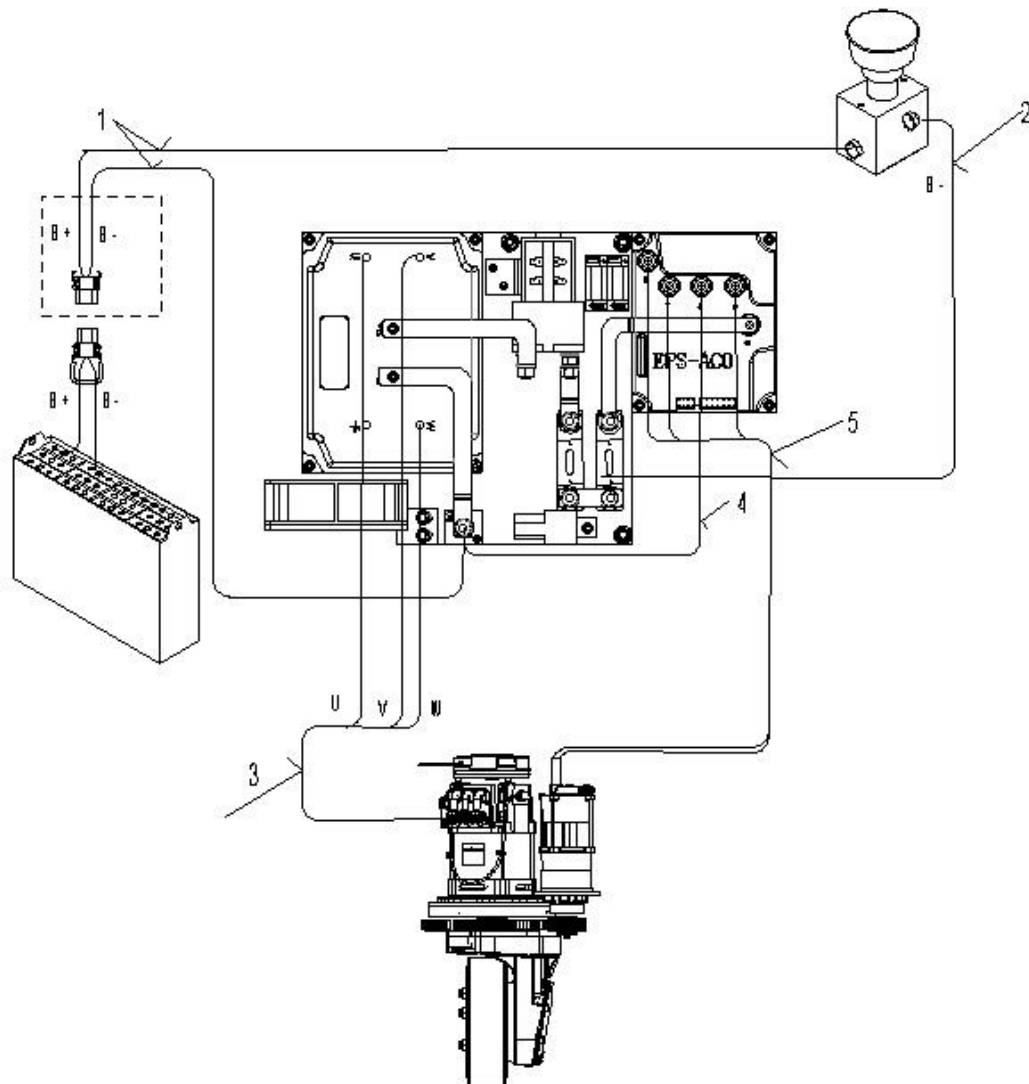


Fig.13 Cable

No.	Art No.	Description	Qty.	Note
1	9000008606	Main power cable	1	
2	9000008607	FU+cable	1	
3	9000008604	Drive motor cable	1	
4	9000008608	Steering controller B-cable	1	
5	9000008605	Pump motor cable	1	
6	9000008610	Steering controller cable	1	

[illegible]

No.	Art No.	Description	Qty.	Note
A	9000003579	Warning sticker	1	
B	9000008655	Identification plate	1	
C	9000003575	Warning sticker	1	
D	9000005967	Hook sticker	2	
E	9000003577	Warning sticker	1	
F	9000003570	Sign read and follow this instruction	1	

Fig.15 Label (for EU)

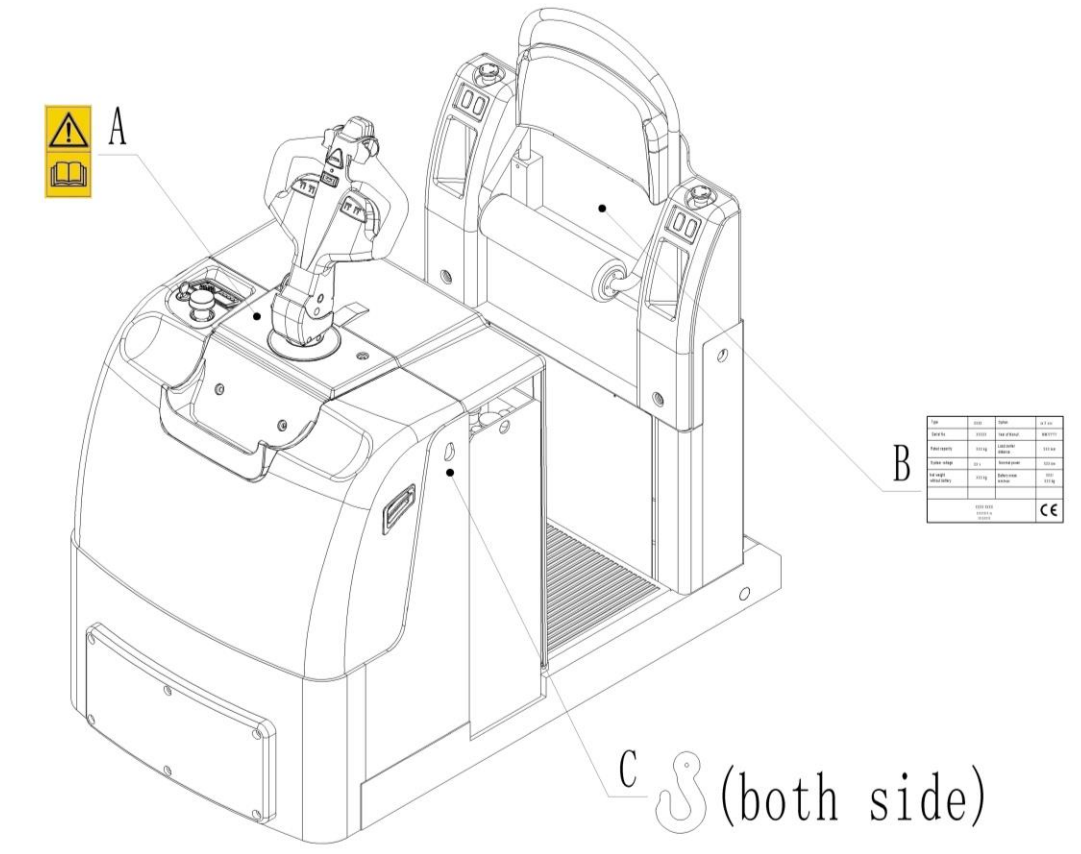


Fig.15 Label (for EU)

No.	Art No.	Description	Qty.	Note
A	9000003570	Sign read and follow this instruction	1	
B	9000008655	Identification plate	1	
C	9000005967	Hook sticker	2	

Easy worn parts list

No.	Part number	Name	Qty.	Fig./Position	Note
1	0000027011	Bearing 6205	2	Fig.2/5	Load roller assembly
2	9000000579	Roller	2	Fig.2/6	
3	0000027012	Bearing 6206	2	Fig.2/7	
4	9000010350	Pin	1	Fig.3/2	Traction rod assembly
5	0000027060	Bearing 6202	16	Fig.4/3	Roller
6	0000026004	Circlip 15	16	Fig.4/4	
7	1010434024	Emergency button CE4T-10R-01	2	Fig.5/15	Backrest
8	9000008499	Short axle —	2	Fig.6/2	Drive system
9	9000007798	Bushing 25X28X25.5	2	Fig.6/3	
10	9000010298	Proximity switch	2	Fig.6/5	
11	0000026013	Circlip	1	Fig.6/18	
12	9000009992	Spring (φ2, length 32.5)	1	Fig.8/6	Handle
13	1000113001	Bushing (φ17Xφ19X11)	2	Fig.8/10	
14	0000026002	Bearing 6204	2	Fig.8/22	
15	9000007789	Spring	1	Fig.8/26	
16	9000010253	Nut	1	Fig.8/31	
17	9000010254	Linking block	1	Fig.8/32	
18	9000010209	Potentiometer	1	Fig.8/35	
19	9000008469	Damping pad	2	Fig.11/1	Electrical box
20	1100431001	Spring	2	Fig.11/2	
21	9000008472	Axle	2	Fig.11/6	
22	9000008327	Proximity switch NBN5-F7-E2	1	Fig.11/11	
23	1000434040	Fuse 10A	2	Fig.12/11	Control assembly
24	9000008642	Fuse 30A	1	Fig.12/21	
25	1020434001	Fuse 200A	2	Fig.12/22	