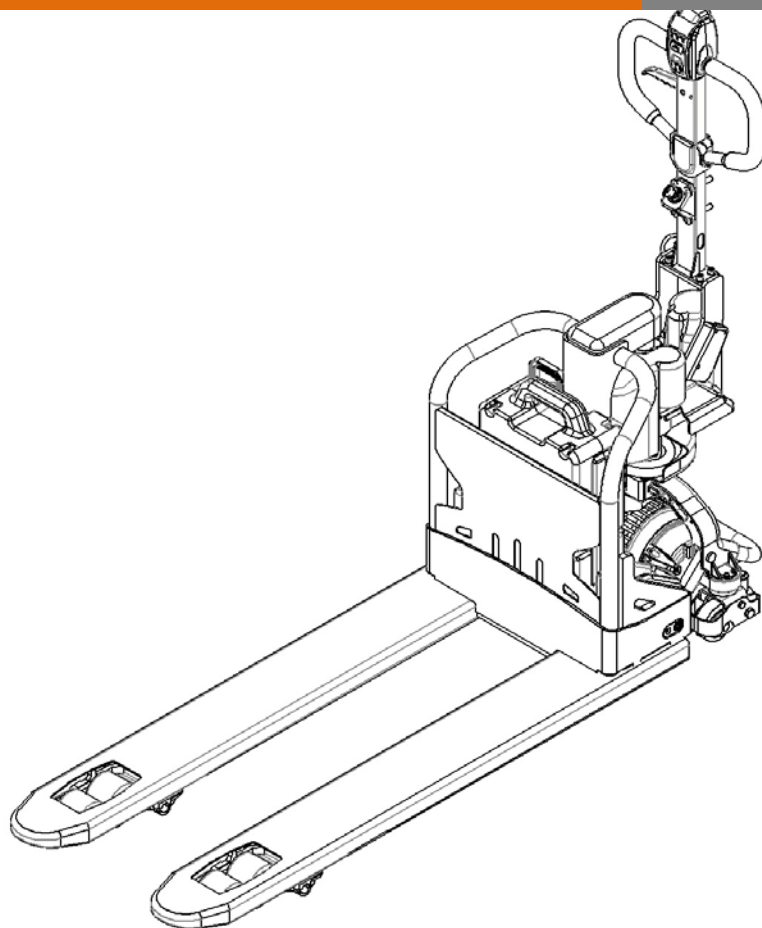


SPARE PARTS LIST

Electric Pallet Truck PT E12



Version 04/2017

From truck identification number:

20170400001

PT E12-BPT-005-EN

Catalogue

Fig. 1 Spare parts for frame(540X1150)	3
Fig. 2 Spare parts for frame(685X1220)	5
Fig. 3 Load roller	7
Fig. 4 Drive system	9
Fig. 5 Drive wheel (Amer)	11
Fig. 6 Hydraulic parts	13
Fig. 7 Castors.....	15
Fig. 8 Handle bar.....	17
Fig. 9 Handle head.....	19
Fig. 10 Truck parts	21
Fig. 11 Power supply assembly.....	23
Fig. 12 Electronic control assembly.....	24
Fig. 13.1 Charger assembly (standard)	26
Fig. 13.2 Charger assembly (wall mount)	27
Fig. 14 Main cables	29
Fig. 15 Sticker for EU	30
Fig. 16 Sticker for US	31
Easy worn parts list.....	32

Fig. 1 Spare parts for frame(540X1150)

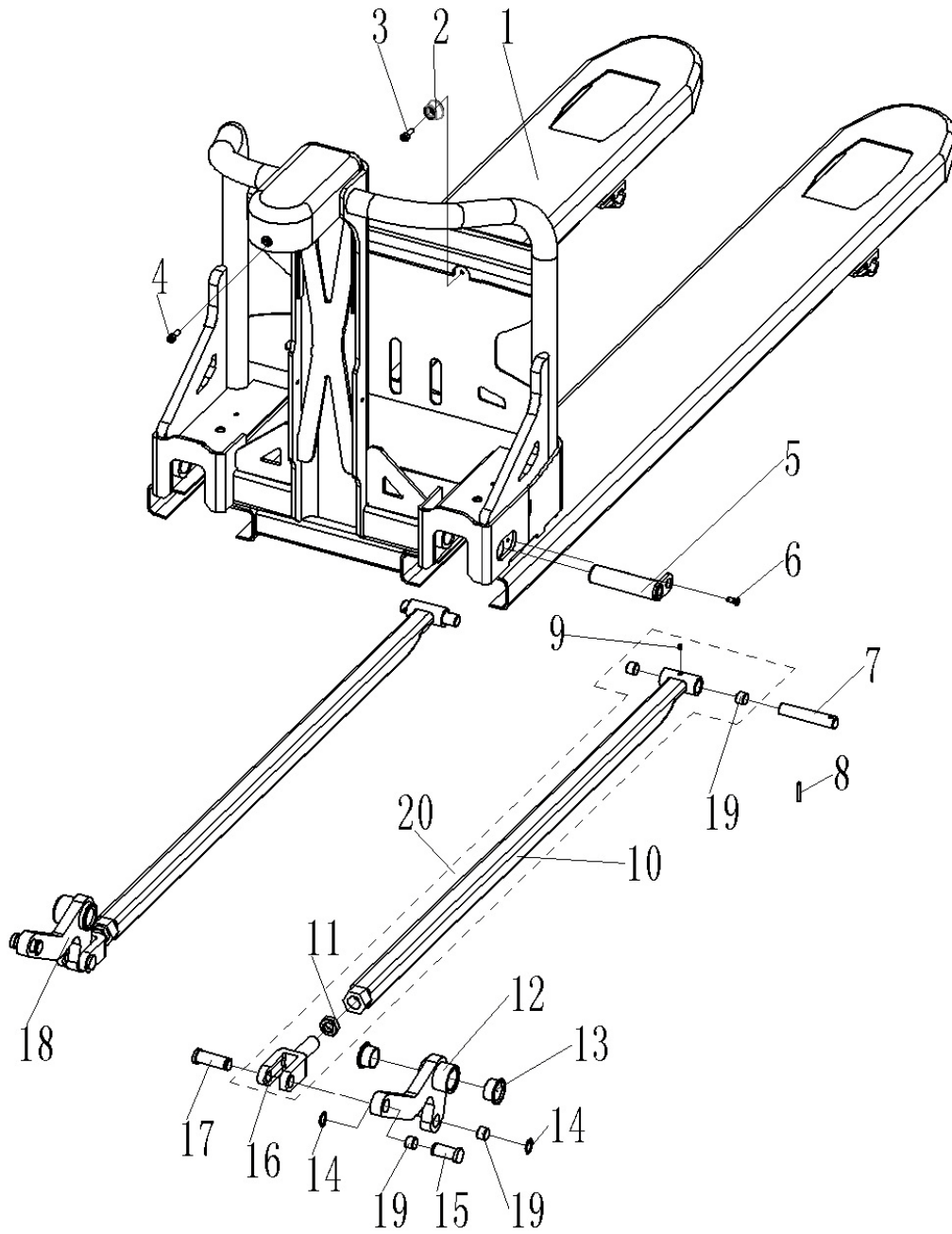


Fig. 1 Spare Parts for Frame(540X1150)

No.	Art No.	Description	Qty.	Note
1	9000010762	Chassis	1	
2	9000012553	Limit pad	1	
3	0000023399	Screw	1	M6x12
4	0000023040	Screw	1	M6x16
5	9000010763	Rock arm axle	2	
6	1000523002	Screw	2	M6X14
7	9000002327	Push rod axle	2	
8	0000028016	Dowel pin	2	5x28
9	0000030001	Grease nipple	2	6
10	9000010764	Push rod	2	
11	0000024044	Nut	2	M20x1.5
12	9000010765	Rock arm (right)	2	
13	9000008800	Bushing	4	20x23x21.5
14	0000026019	Circlip	2	16
15	9000001973	Axle	2	
16	9000001966	Push rod fork	2	
17	9000001965	Push rod fork axle	2	
18	9000010766	Rock arm (left)	1	
19	9000008258	Bushing	8	16 x 18 x 15
20	9000011356	Push rod kit	2	

Fig. 2 Spare parts for frame(685X1220)

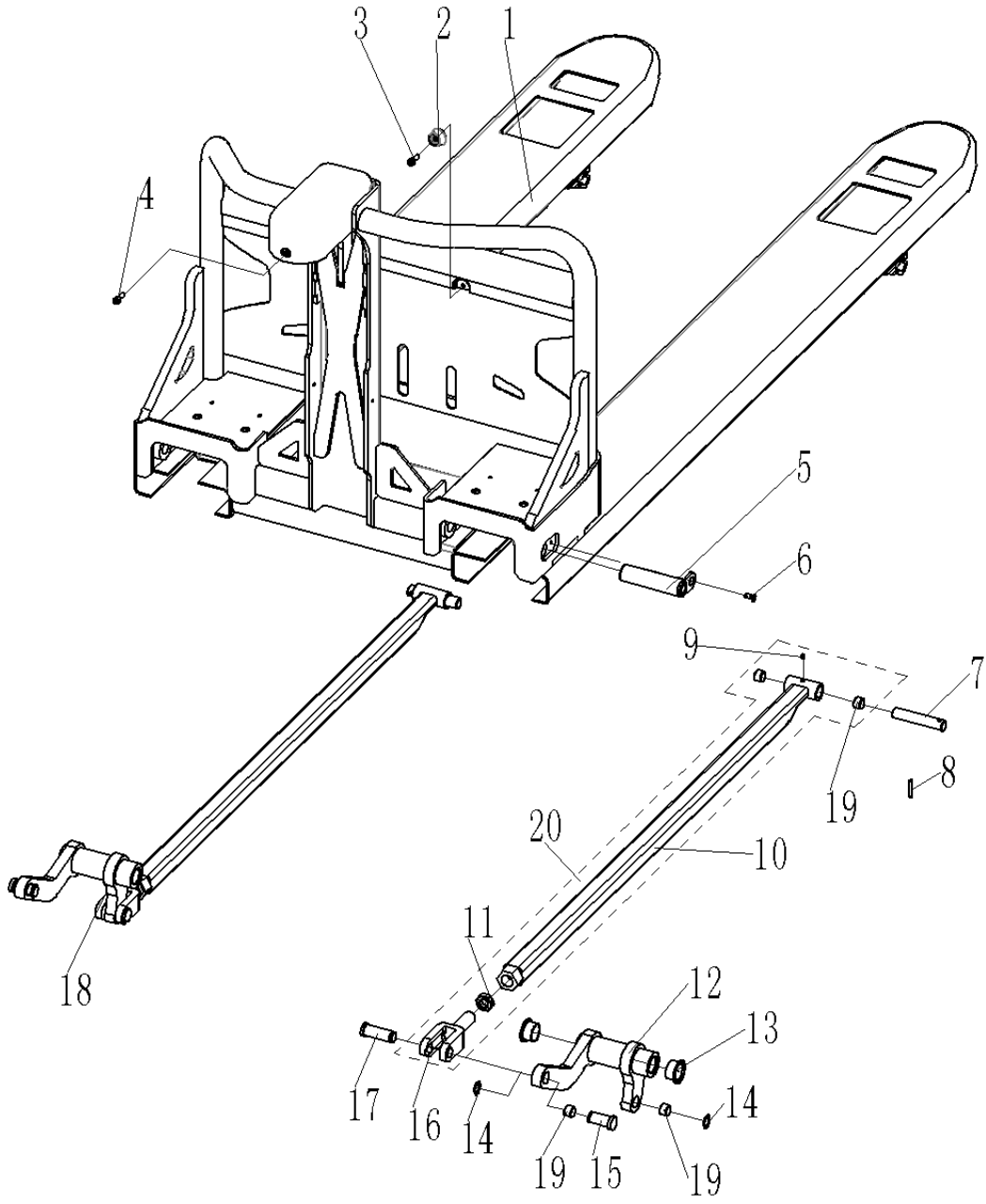


Fig. 2 Spare Parts for Frame(685X1220)

No.	Art No.	Description	Qty.	Note
1	9000016545	Chassis	1	685X1220
2	9000012553	Limit pad	1	
3	0000023399	Screw	1	M6x12
4	0000023040	Screw	1	M6x16
5	9000016548	Rock arm axle	2	685
6	1000523002	Screw	2	M6X14
7	9000002327	Push rod axle	2	
8	0000028016	Dowel pin	2	5x28
9	0000030001	Grease nipple	2	6
10	9000016549	Push rod	2	1220
11	0000024044	Nut	2	M20x1.5
12	9000016546	Rock arm (right)	2	685
13	9000008800	Bushing	4	20x23x21.5
14	0000026019	Circlip	2	16
15	9000001973	Axle	2	
16	9000001966	Push rod fork	2	
17	9000001965	Push rod fork axle	2	
18	9000016547	Rock arm (left)	1	685
19	9000008258	Bushing	8	16 x 18 x 15
20	9000017498	Push rod kit	2	1220

Fig. 3 Load roller

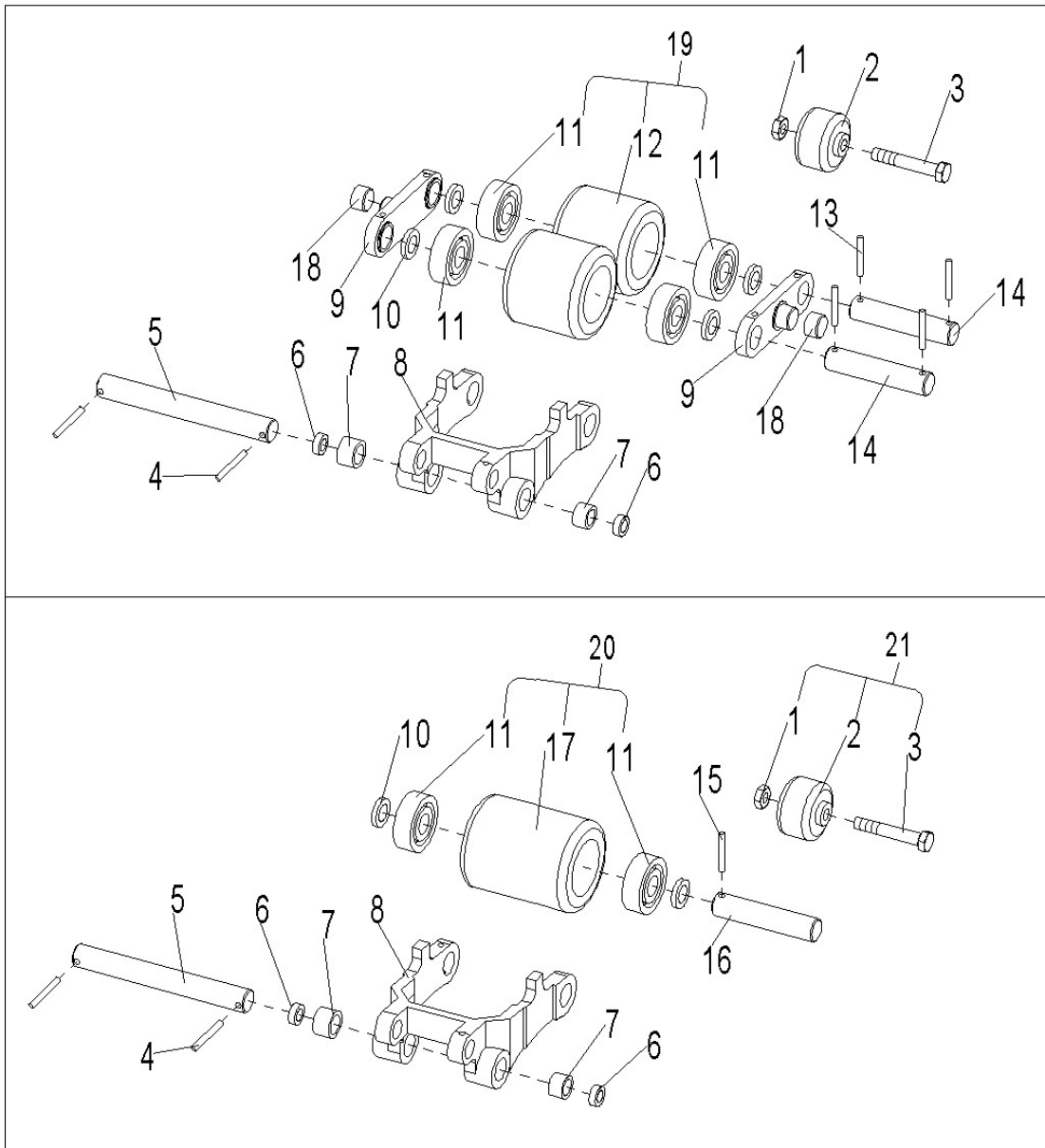


Fig. 3 Load Roller

No.	Art No.	Description	Qty.	Note
1	0000023005	Lock nut	2	M10
2	1000516001	Entry roller	2	
3	0000023004	Bolt	2	M10×60
4	0000028016	Dowel pin	4	φ5×30
5	1070307002	Lever block axle	2	
6	1070302002	Exit roller	2	20×35×7
	1070302005			20×35×8
7	0000027005	Bushing	4	22×20×12
8	1070305003	Lever block (wheel frame)	2	
9	9000002326	Linking plate	4	tandem
10	1070325001	Washer	8/4(D/S)	
11	0000027001	Bearing	8/4(D/S)	6204
12	2000416002	Castor	4(D)	80×70
13	0000028009	Dowel pin	8(D)	5×35
14	2000407001	Castor axle	4(D)	20×94
15	0000028009	Dowel pin	2(S)	5×35
16	2000407004	Castor axle	2(S)	20×131
17	2000416003	Castor	2(S)	80×93
18	9000002333	Bushing	4(D)	18×20×12
19	9000010398	Wheel set kit	4	
20	9000010399	Wheel set kit	2	
21	9000010400	Entry roller kit	2	

Fig. 4 Drive system

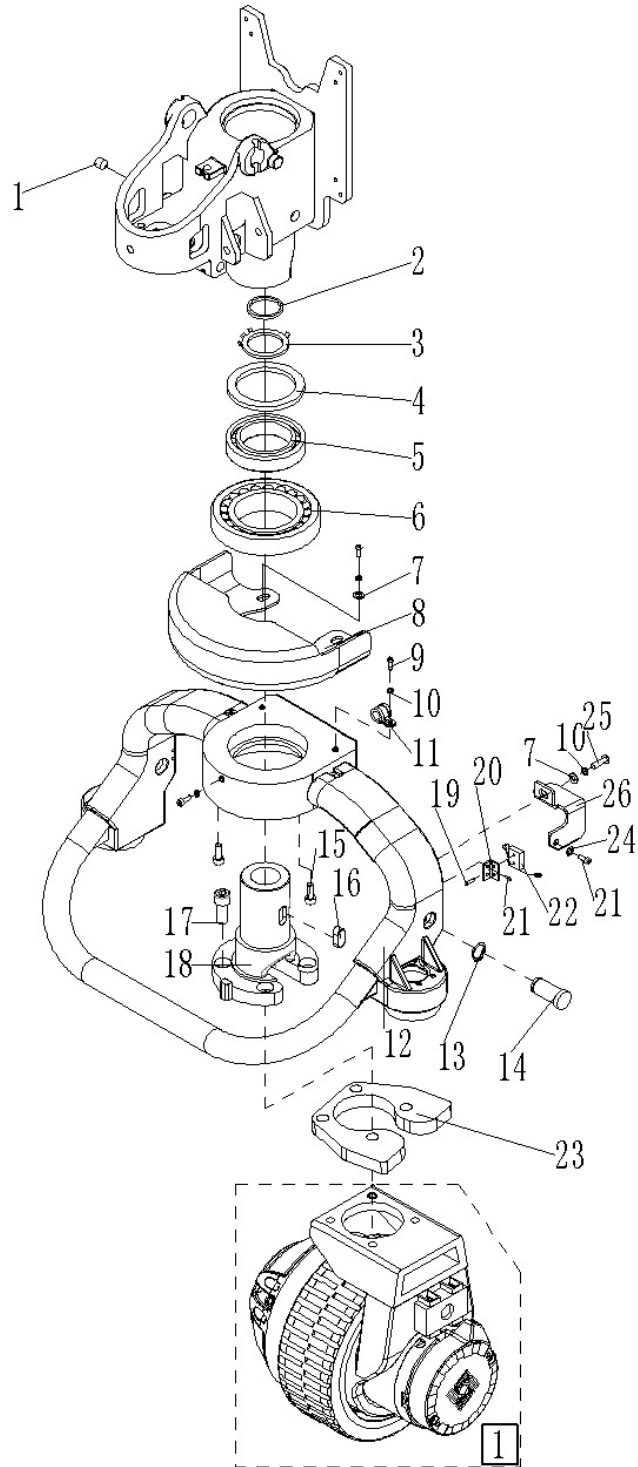


Fig. 4 Drive System

No.	Art No.	Description	Qty.	Note
1	0090000302	Screw	1	M10x12
2	0090000806	Nut	1	M52x1.5
3	0090000067	Washer	1	52
4	9000013549	Dust ring	1	
5	0090000805	Bearing		32911
6	0090000040	Bearing	1	30212
7	0000023055	Washer	1	6
8	9000010767	Box	1	
9	0000023040	Screw	3	M6x16
10	0000025010	Washer	3	6
11	9000008324	YGE hose clamp	1	
12	9000010768	Drive wheel frame	1	
13	0000026019	Circlip	2	16
14	9000001973	Axle	2	
15	0000023042	Screw	2	M6x10
16	0090000303	Key A	1	10x8x22
17	0000023088	Screw	4	M10x25
18	9000013550	Connecting flange	1	
19	0090000081	Screw	2	M2x10
20	9000001916	Micro switch assembly plate	1	
21	0000023611	Screw	2	M4x10
22	9000002135	Micro switch WS1-Z5-W200R200	1	
23	9000007760	Transition plate	1	Only for Amer PU wheel
24	0000025019	Washer	1	4
25	0000023040	Screw	1	M6x16
26	9000012554	Switch protective frame	1	
1	9000012536	Amer Drive wheel(D.200)	1	PU wheel
	9000012542	Amer Drive wheel(D.230)	1	Rubber wheel

Fig. 5 Drive wheel (Amer)

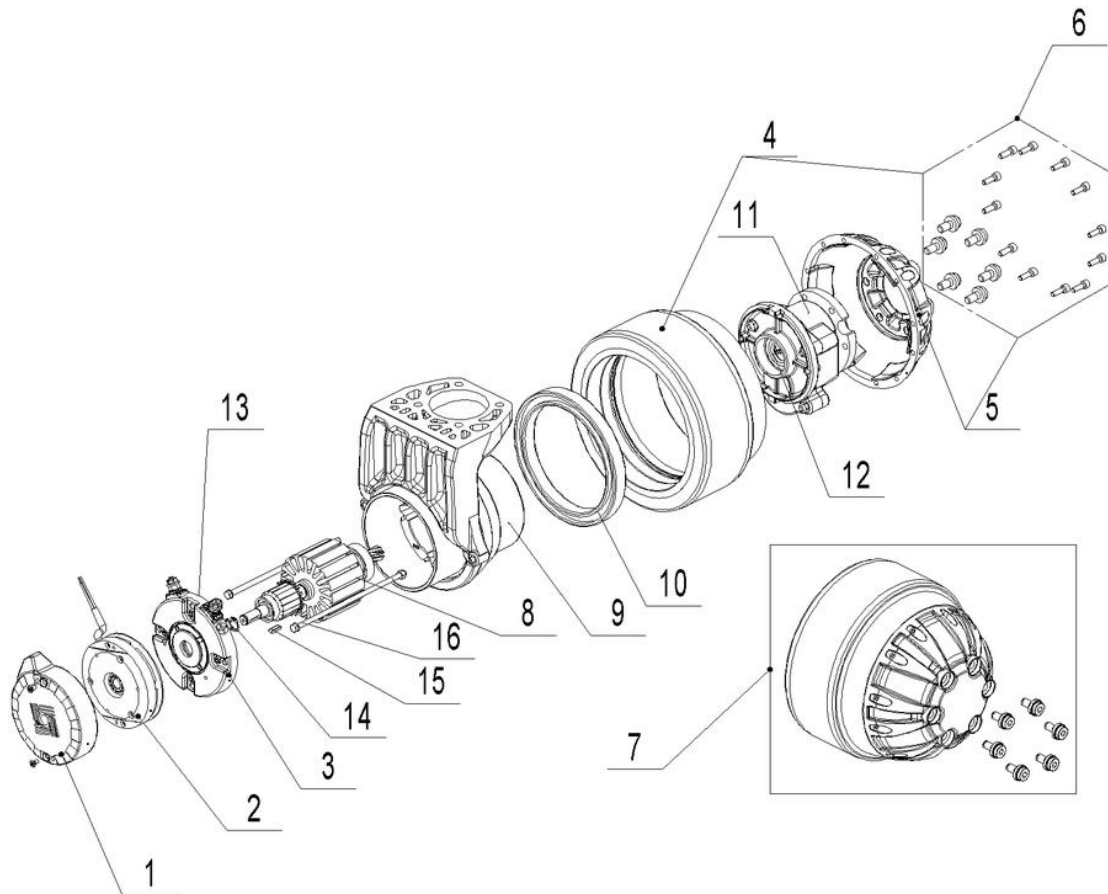


Fig. 5 Drive Wheel (Amer)

No.	Art No.	Description	Qty.	Note	Standard
1	9000010340	Brake cover	1		
2	9000009821	Electric brake	1		
3	9000012537	End cap complete kit	1	Include carbon brush	
4	9000012538	Wheel kit(D.200)	1	PU	
	9000012543	Wheel kit(D.230)	1	Rubber	
5	9000012539	Hub kit	1		
6	9000012540	Screw kit	1		
7	9000012541	Wheel and cover kit	1	PU	
	9000012544	Wheel and cover kit	1	Rubber	
8	9000018336	Rotor	1	Rubber	
	9000018346	Rotor	1	PU	
9	9000018337	Bracket+stator	1		
10	9000018338	Ball bearing	1		
11	9000018339	Gearbox	1		
12	9000018340	Gearbox seal	1		
13	9000018341	Brushes kit	1		
14	9000018342	Retaining ring	1		
15	9000018343	Key	1		
16	9000018344	Tie rod	2		

Fig. 6 Hydraulic parts

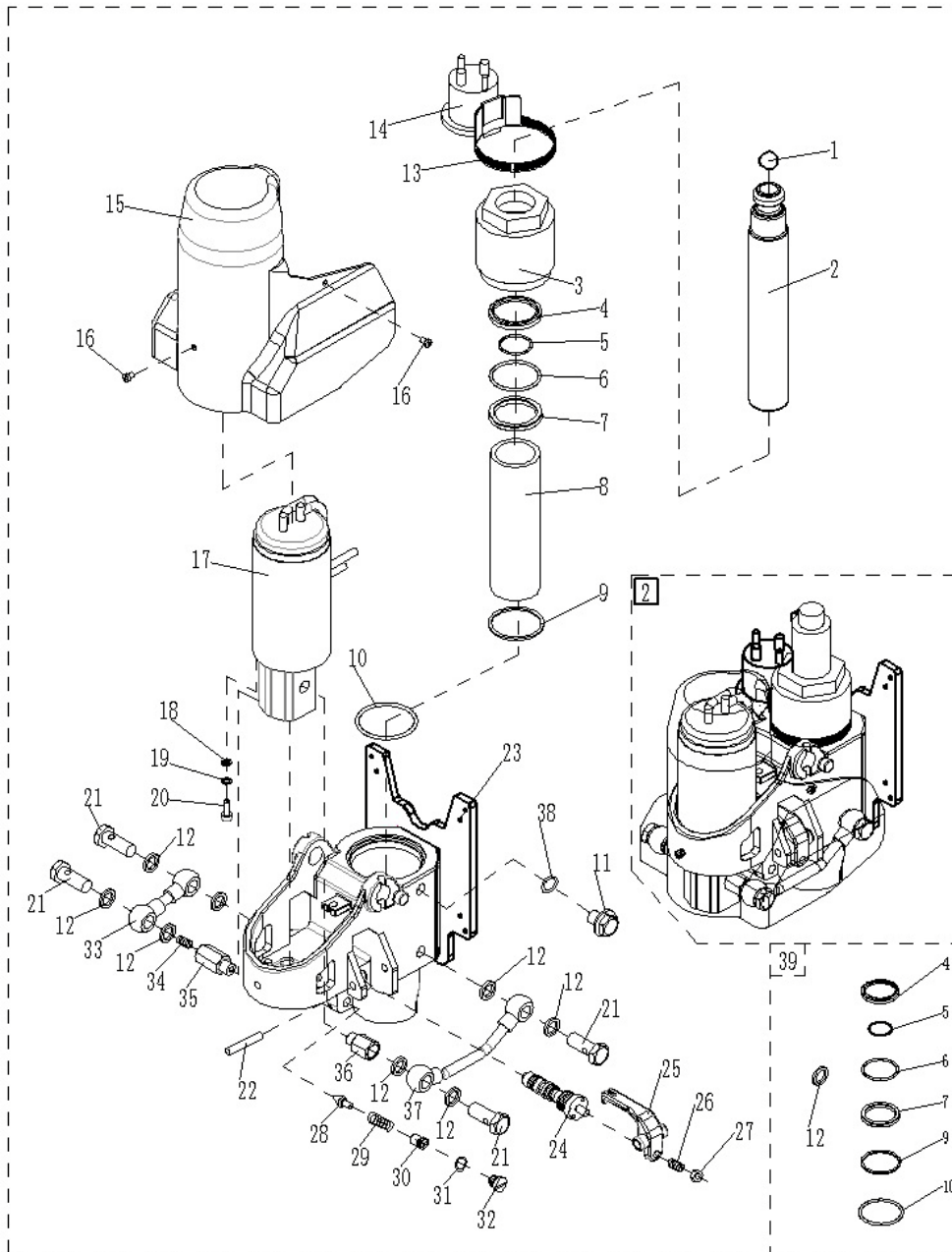


Fig. 6 Hydraulic Parts

No.	Art No.	Description	Qty.	Note
1	0000037028	Steel ball	1	18
2	9000010769	Piston rod	1	
3	9000011647	Cylinder cover	1	
4	0000022125	Rubber dust cover	1	40x48x6.5

5	0000022210	O rubber seal ring	1	40x3.55
6	0000022311	O rubber seal ring	1	55x3.5
7	0000022188	Rubber seal ring	1	40x50x6
8	9000011648	Inner cylinder barrel	1	
9	0000022025	O rubber seal ring	1	75x3.1
10	0000022309	O rubber seal ring	1	45x3.55
11	9000011359	Vent plug	1	
12	9000006022	Pad	9	14
13	9000002154	Hoop	1	KG01
14	9000002153	Pump station	1	24V/150A
15	9000011651	Motor protective cover	1	
16	0000023516	Screw	3	M5x10
17	9000010205	Hydraulic pump	1	
18	0000023055	Washer	2	6
19	0000025010	Washer	2	6
20	0000023040	Screw	2	M6x16
21	1020317002	Bolt	4	G1/4
22	0000028135	Dowel pin	1	8x50
23	9000011361	Pump body	1	
24	1500200001	Hydraulic valve assembly	1	
25	9000011645	Bar	1	
26	0000023551	Screw	1	M8x20
27	0000024112	Nut	1	M8
28	2800237007	Safety valve core	1	
29	1500231006	Spring	1	2x8.3x19.5
30	1500223005	Screw	1	
31	0000025021	Seal washer	1	10
32	1070202001	Screw plug	1	M10x1
33	9000011650	Steel tube	1	
34	9000011653	Check valve	1	
35	9000011652	Joint	1	
36	9000011654	Joint(short)	1	
37	9000011649	Steel tube	1	
38	0000022051	Pad	1	16
39	9000011357	Seal kits	1	
1	9000011778	Hydraulic assembly	1	

Fig. 7 Castors

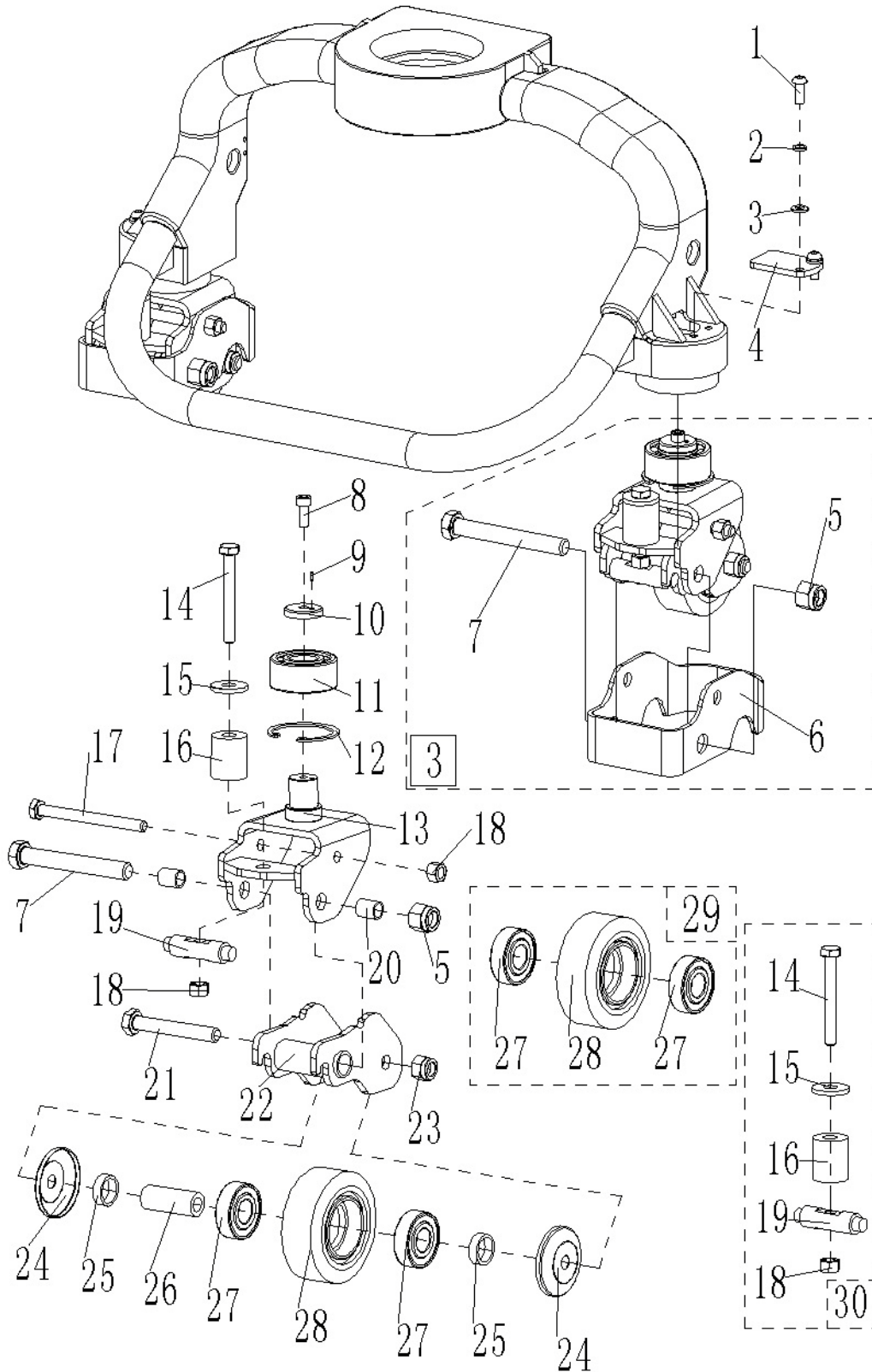


Fig. 7 Castors

No.	Art No.	Description	Qty.	Note
1	0000023126	Screw	4	M5x12
2	0000025015	Washer	4	5
3	0000025014	Washer	4	5
4	9000010771	Dust board	2	
5	0000024006	Nut	1	M12
6	9000010772	Apron	1	
7	0090000416	Bolt	1	M12x90
8	0000023325	Screw	1	M6x15
9	0090000600	Dowel pin	1	3x14
10	9000010773	Circlip	1	
11	0090000601	Bearing	1	3204 A-2Z
12	0000026009	Circlip	1	47
13	9000010774	Wheel frame	1	
14	0090000052	Bolt	1	M8x70
15	0000025136	Washer	1	8
16	9000009155	Spring	1	
17	0000023822	Bolt	1	M8x90
18	0000024003	Nut	2	M8
19	9000009156	Spindle	1	
20	1000413002	Bushing	2	12X15X15
21	0090000415	Bolt	1	M10x70
22	9000009151	Rotating arm	1	
23	0000023005	Nut	1	M10
24	9000009159	Dust cover	2	
25	9000009158	Spacer	2	
26	9000009157	Sleeve	1	
27	0000027068	Bearing	2	6203
28	9000008793	Castor	1	80X30
29	9000010401	Castor assembly	1	
30	9000010402	Spring assembly	1	
3	9000010775	Castor assembly	1	

Fig. 8 Handle bar

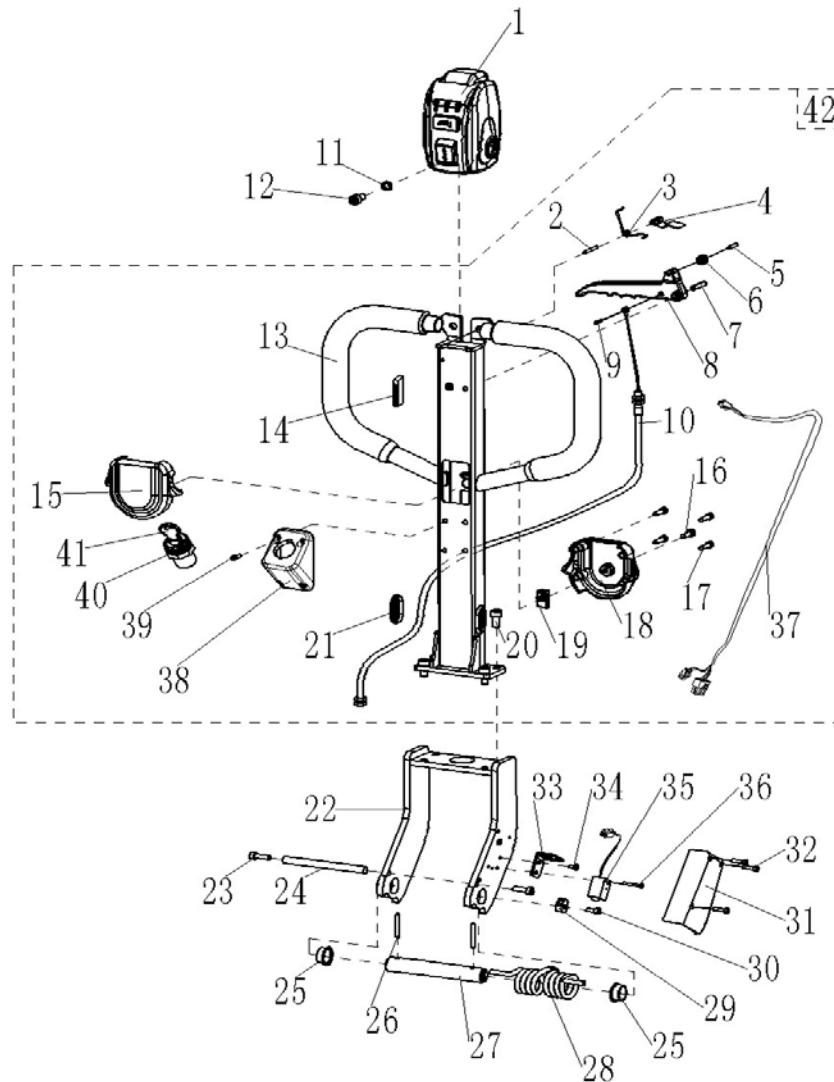


Fig. 8 Handle Bar

No.	Art No.	Description	Qty.	Note
1	9000010790	Handle head	1	
2	0000028071	Dowel pin	1	4x30
3	2800131001	Spring	1	
4	2800137008	Folder	1	
5	0000028127	Dowel pin	1	4x20
6	2800137007	Roller	1	12x4.5x10
7	0000028137	Dowel pin	1	6x30
8	1500100002	Tiller lever	1	
9	0000028136	Dowel pin	1	4x13

10	9000010791	Control wire	1	
11	0000025001	Washer	2	8
12	0000023067	Screw	2	M8x16
13	9000010794	Tiller arm assembly	1	
14	2800118001	Rubber pad	1	
15	9000010793	Cover (front)	1	
16	0000023040	Screw	1	M6x16
17	0000023306	Screw	4	M5x20
18	9000010792	Cover (rear)	1	
19	9000007785	Nut	1	M6
20	0000023067	Screw	4	M8x16
21	1070118001	Sheath (circular)	2	
22	9000011637	Handle flange	1	
23	0000023020	Screw	2	M6x20
24	9000011636	Limit axle	1	
25	9000010333	Bushing	2	20x22x10
26	0000028009	Dowel pin	2	5x35
27	9000011630	Handle axle	1	
28	9000011634	Torsional spring	1	
29	9000011635	Proximity switch indication block	1	
30	0000023076	Screw	1	M5x12
31	9000011631	Protective cover	1	
32	0000023853	Screw	3	M4x16
33	9000011632	Connector fixing frame	1	
34	0000023071	Screw	2	M4x8
35	9000008329	Proximity switch	1	NBN5-F7-E2
36	0000023685	Screw	2	M3x25
37	9000011348	Handle linking cable		
38	9000011780	Key seat	1	
39	0000023211	Screw	4	M4x16
40	9000008326	Key switch	1	
41	9000008519	Key	1	
42	9000011781	Handle bar kits	1	

Fig. 9 Handle head

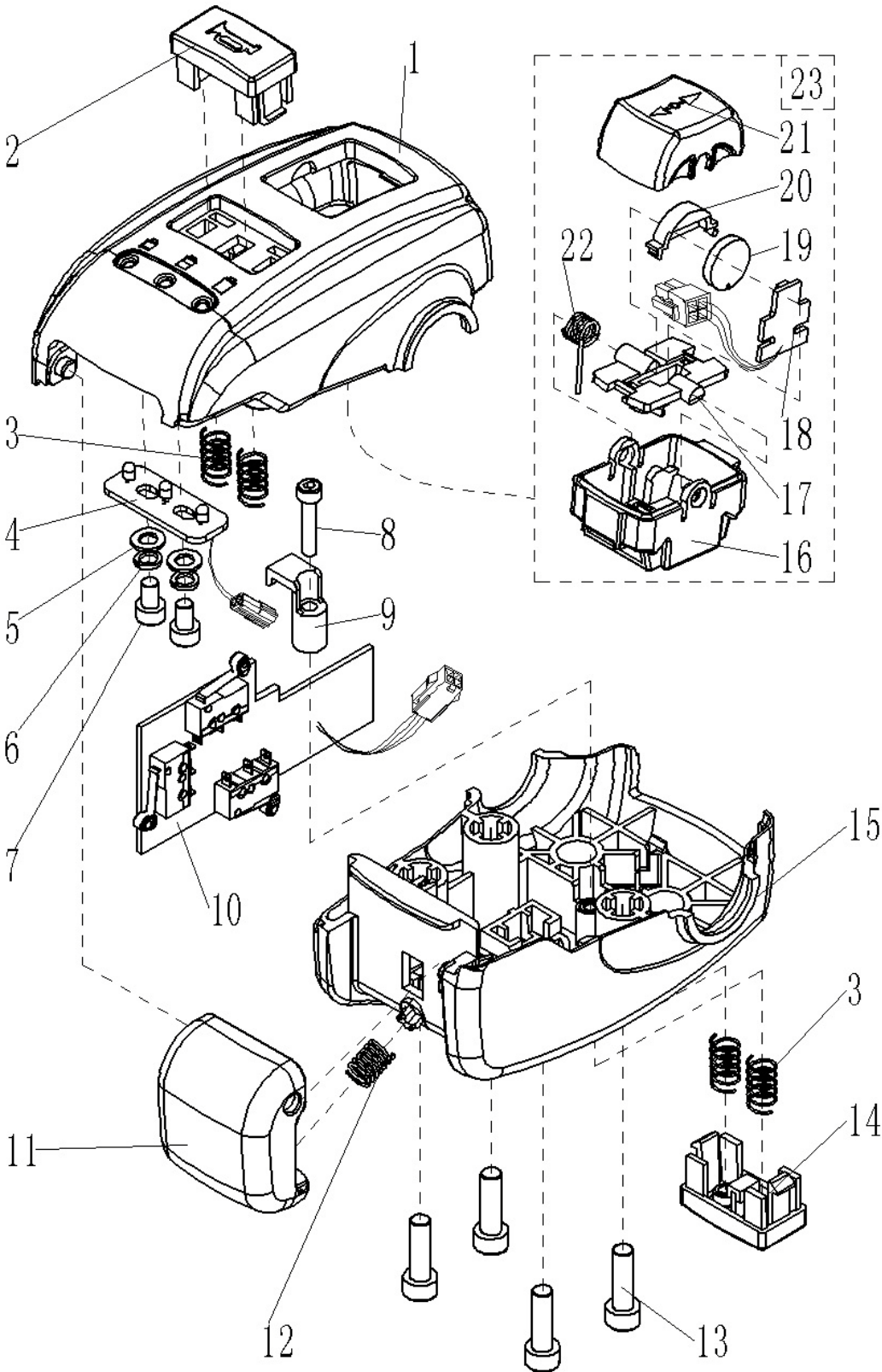


Fig. 9 Handle Head

No.	Art No.	Description	Qty.	Note
1	9000010776	Tiller cover	1	
2	9000010777	Horn switch	1	
3	9000002186	Spring	4	0.6
4	9000012009	LED Indicator	1	
5	0000025026	Washer	2	3
6	0000025003	Washer	2	3
7	0090000554	Screw	2	M3x8
8	0000023568	Screw	1	M4x20
9	9000010778	Circuit board fixing seat	1	
10	9000012007	Main circuit board assembly	1	
11	9000010779	Belly button	1	
12	9000002182	Spring	1	0.8
13	0000023030	Screw	4	M6x25
14	9000010780	Lifting switch	1	
15	9000010781	Tiller lower cover	1	
16	9000010789	Frame	1	
17	9000010782	Balance bridge	1	
18	9000012008	Small circuit board	1	
19	9000010783	Magnet	1	
20	9000010787	Magnet cover	1	
21	9000010784	Accelerate switch	1	
22	9000010786	Torsional spring	1	
23	9000010785	Accelerator switch	1	

Fig. 10 Truck parts

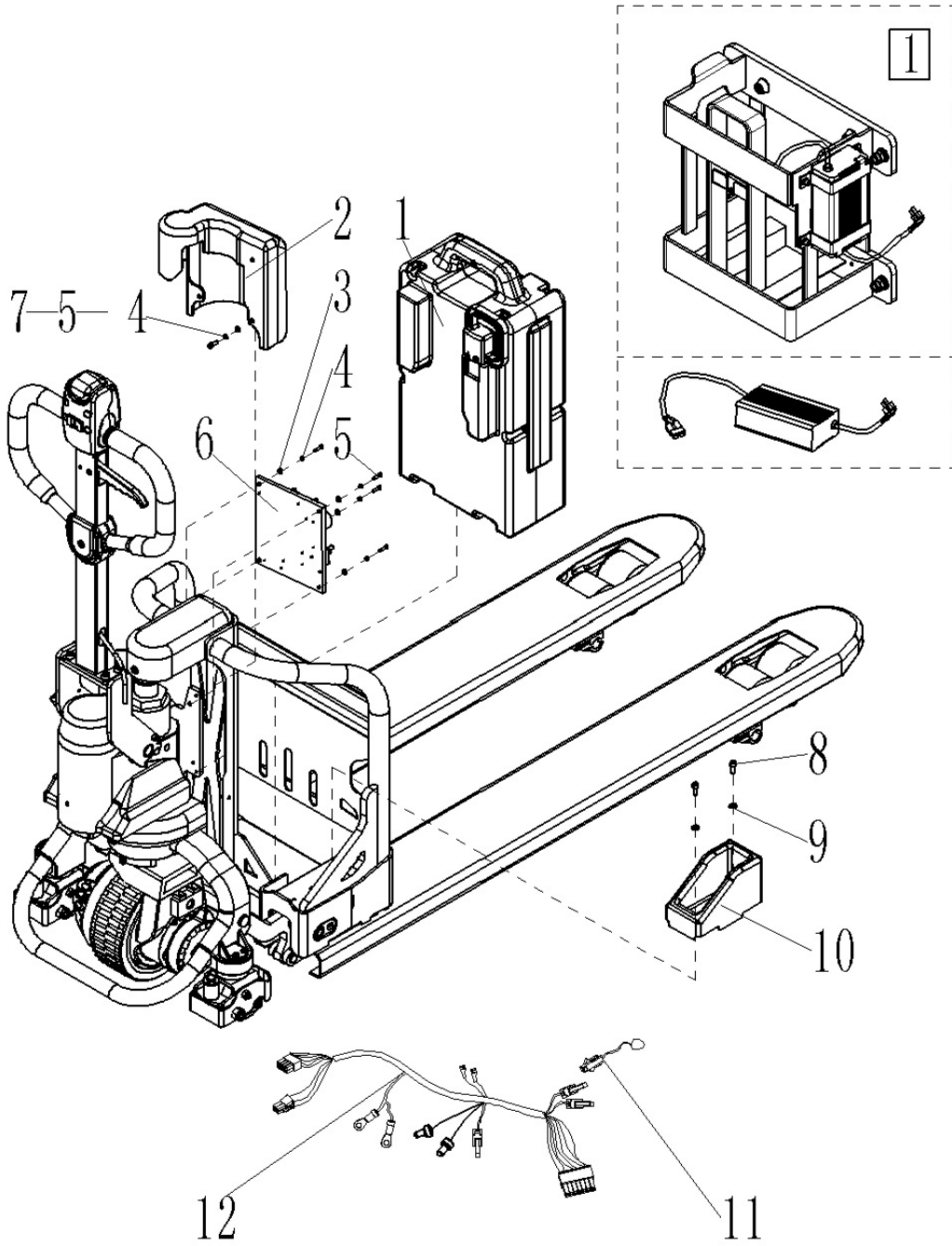


Fig. 10 Truck Parts

No.	Art No.	Description	Qty.	Note
1	9000011362	Power supply assembly	1	
2	9000010770	Electric control cover	1	
3	0000025014	Washer	8	5
4	0000025015	Washer	8	5
5	0000023673	Screw		M5x16
6	9000011344	Electric control assembly	1	
7	0000023076	Screw	8	M5x12
8	0000023040	Screw	4(EU)/8(US)	M6x16
9	0000025010	Washer	4(EU)/8(US)	6
10	9000011363	Container	2(EU)/4(US)	
11	9000002192	LED display	1	
12	9000011347	Main control wiring harness	1	
1	9000016543	Charger assembly	1	Standard
	9000017502	Charger assembly	1	Wall mount

Fig. 11 Power supply assembly

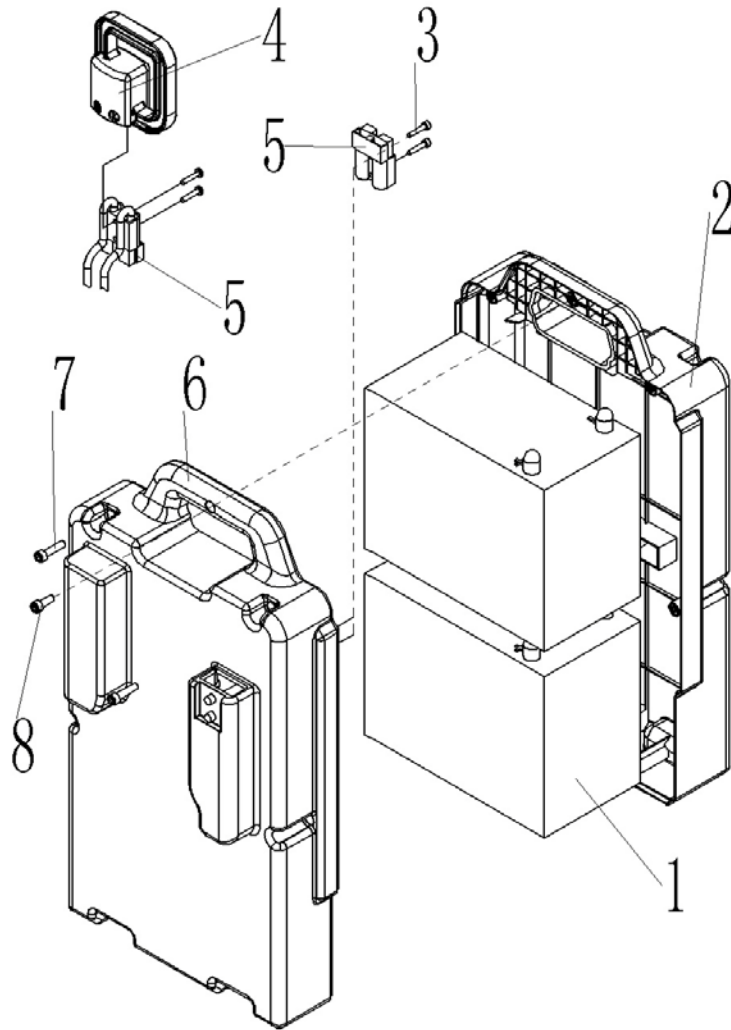


Fig. 11 Power Supply Assembly

No.	Art No.	Description	Qty.	Note
1	9000011775	Battery 5HR	2	12V/33Ah
2	9000011366	Battery box (front)	1	
3	0000023538	Screw	4	M4x20
4	9000011364	Handle	1	
5	9000009568	REMA connector	2	SRX 50A
6	9000011365	Battery box (rear)	1	
7	0000023193	Screw	6	M6x25
8	0000023063	Screw	1	M6x16

Fig. 12 Electronic control assembly

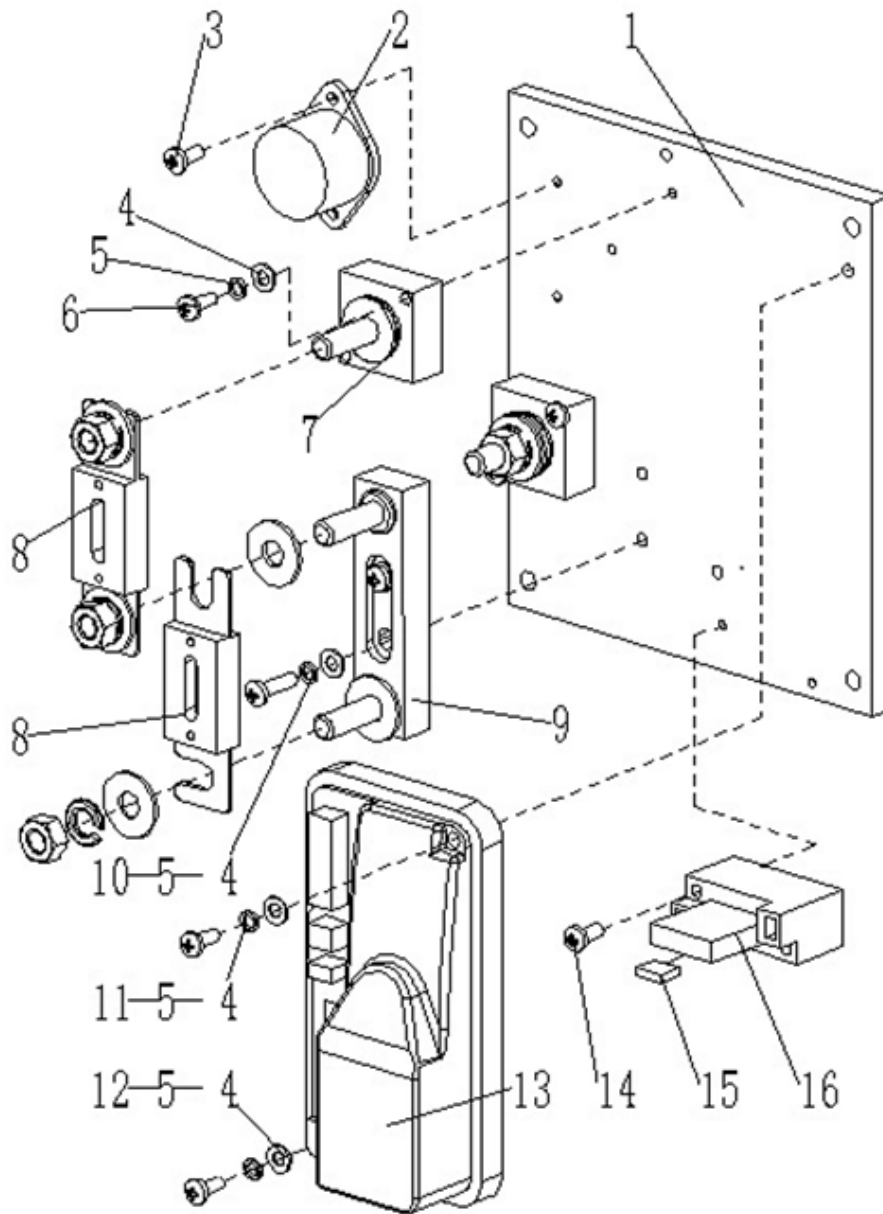


Fig. 12 Electronic Control Assembly

No.	Art No.	Description	Qty.	Note
1	9000011343	Aluminium plate	1	
2	9000002321	Buzzer	1	
3	0000023755	Screw	2	
4	0000025019	Washer	8	
5	0000025018	Washer	8	
6	0000023071	Screw	4	
7	1020434002	Fixing point	2	
8	1000434020	Fuse	2	
9	1000434007	Fuse seat	1	
10	0000023211	Screw	2	
11	0000023051	Screw	1	
12	0000023019	Screw	1	
13	9000009802	Controller	1	
14	0000023074	Screw	2	
15	1000434040	Fuse	1	
16	1000434021	Fuse seat	1	

Fig. 13.1 Charger assembly (standard)

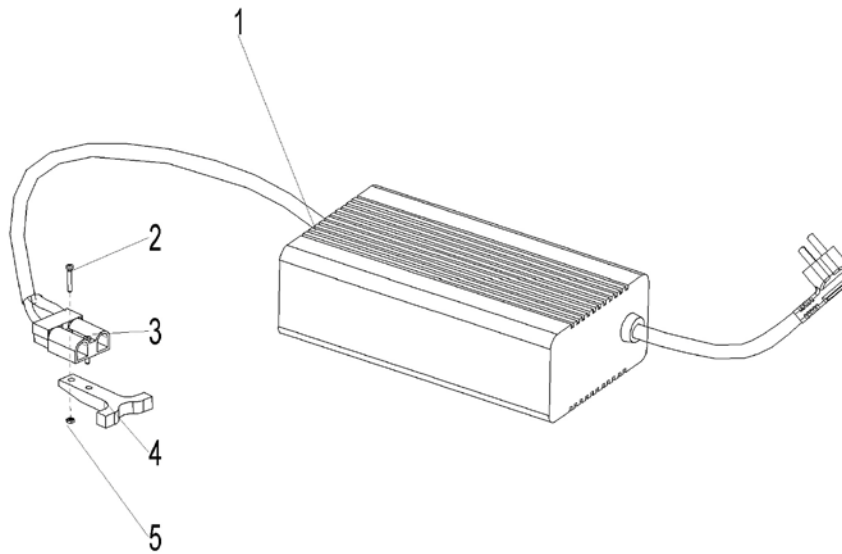


Fig. 13.1 Charger assembly (standard)

No.	Art No.	Description	Qty.	Note
1	9000014124	Charger	1	24V5A KP180S-30Q
2	0000023685	Screw	1	M3x25
3	9000009568	REMA connector	1	SRX 50A
4	9000009569	REMA-50A handle	1	
5	0090000400	Lock nut	1	M3

Fig. 13.2 Charger assembly (wall mount)

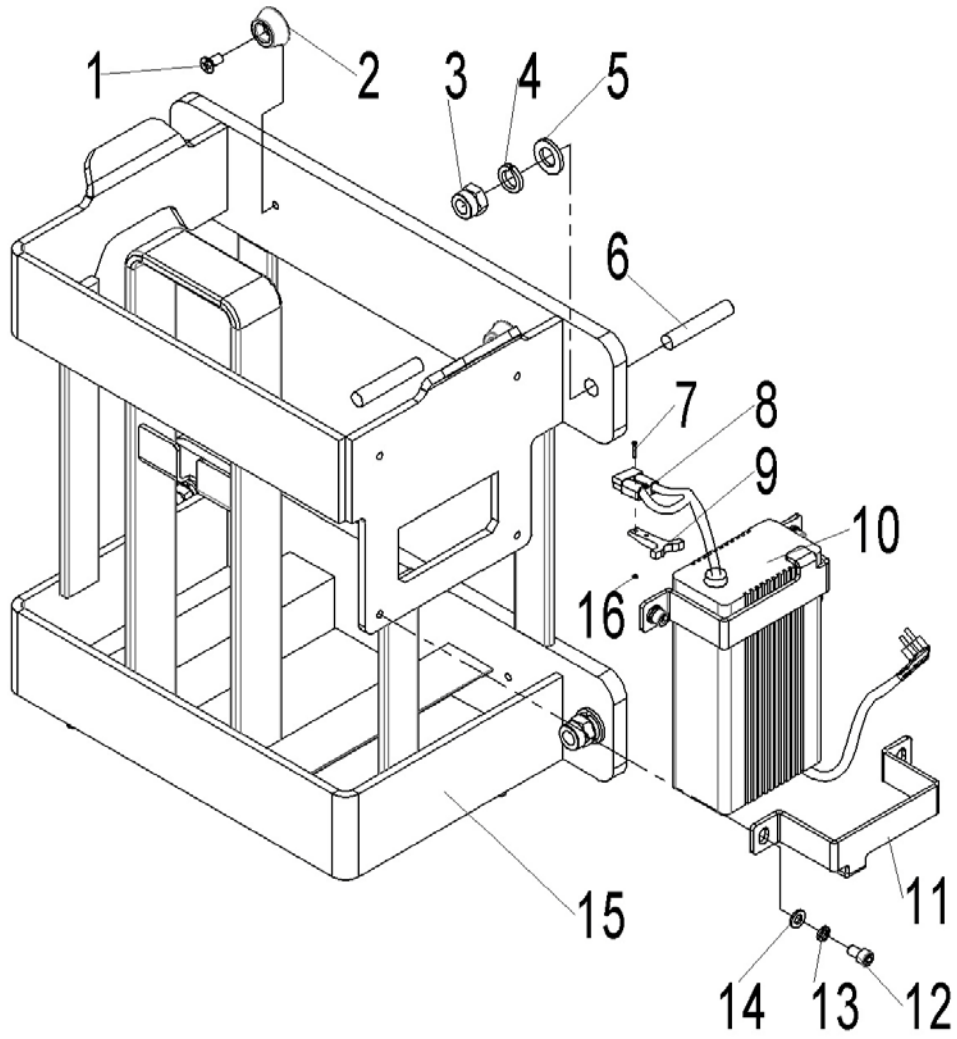


Fig. 13.2 Charger assembly (wall mount)

No.	Art No.	Description	Qty.	Note
1	0000023399	Screw	2	M6x12
2	9000012553	Limit pad	2	
3	0000023005	Lock nut	4	M10
4	0000023006	Washer	4	10
5	0000025002	Washer	4	10
6	0090000824	Bolt	4	M10/10
7	0000023685	Screw	1	M3x25
8	9000009568	REMA connector	1	SRX 50A
9	9000009569	REMA-50A handle	1	
10	9000014124	Charger	1	24V5A KP180S-30Q
11	9000017514	Charger holder	2	
12	0000023053	Screw	4	M6x12
13	0000025010	Washer	4	6
14	0000023055	Washer	4	6
15	9000017503	Frame	1	
16	0090000400	Lock nut	1	M3

Fig. 14 Main cables

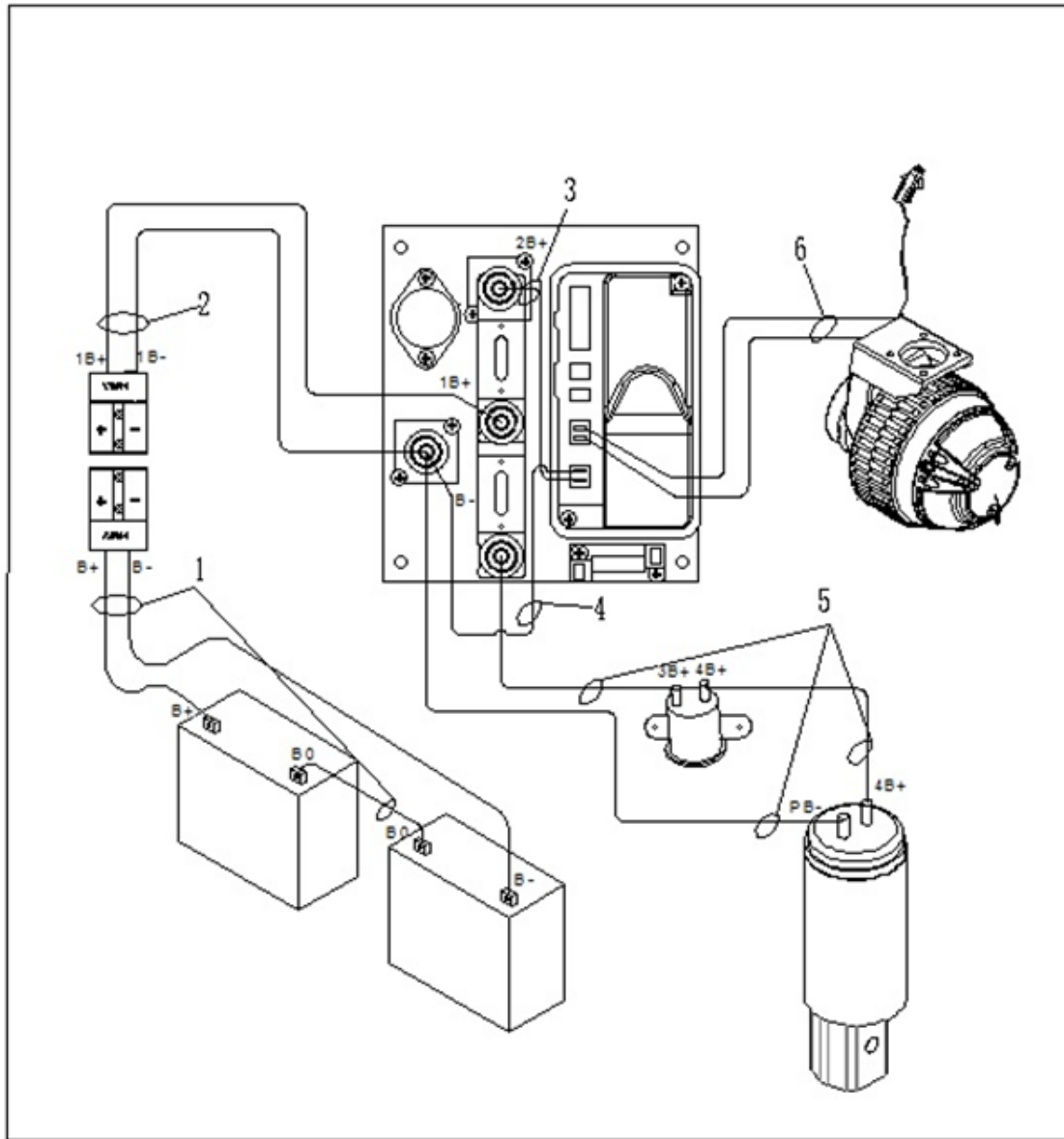


Fig. 14 Main Cables

No.	Art No.	Description	Qty.	Note
1	9000011352	Battery cable	1	
2	9000011351	Main battery cable	1	
3	9000011354	2B+cable	1	
4	9000011353	B- cable	1	
5	9000011350	Pump motor cable	1	
6	9000011349	Battery cable	1	

Fig. 15 Sticker for EU

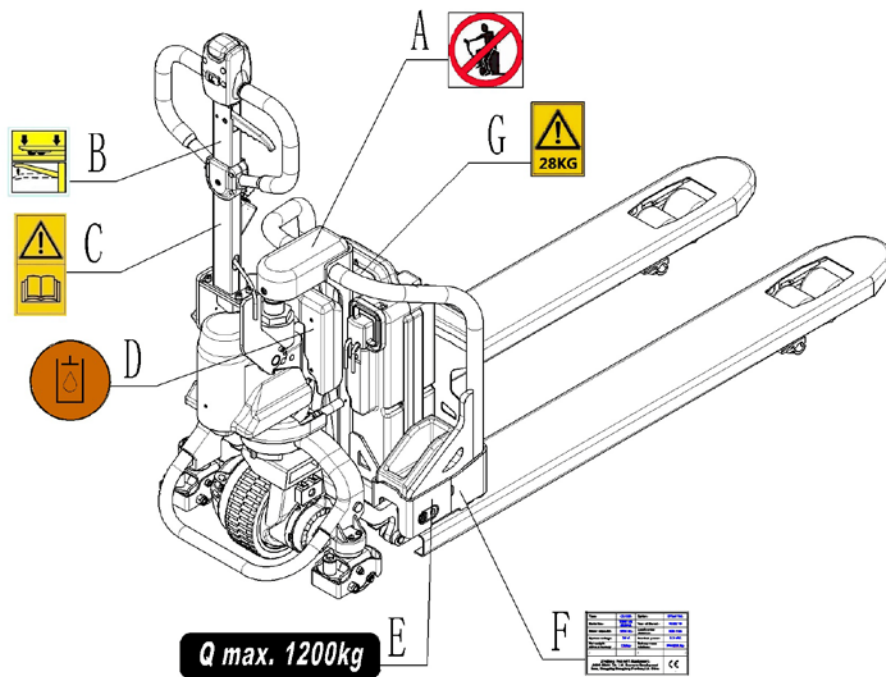


Fig. 15 Sticker for EU

No.	Art No.	Description	Qty.	Note
A	9000003573	'No passengers' decal	1	
B	9000010879	Tiller operation sticker	1	
C	9000003570	Sign read and follow this instruction	1	
D	9000008555	Cylinder sticker	1	
E	9000003569	Sign capacity sticker (1200kg)	1	
F	9000011358	CE sticker	1	
G	9000011782	Weight sticker (Battery)	1	

Fig. 16 Sticker for US

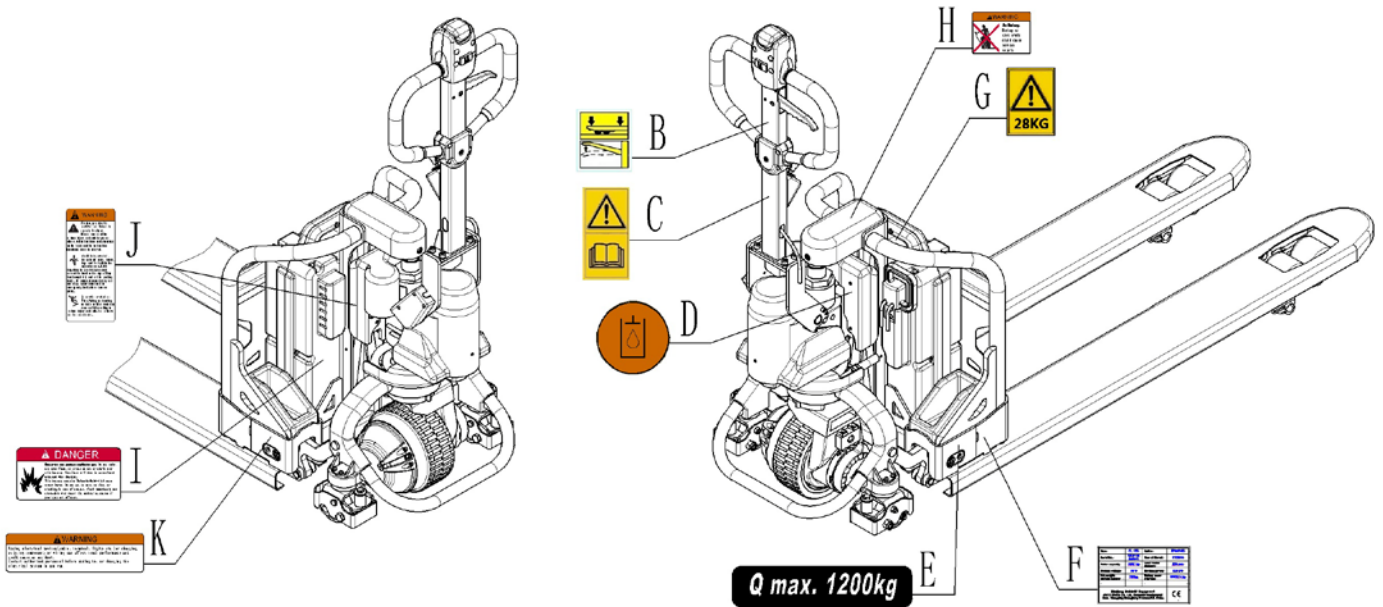


Fig. 16 Sticker for US

No.	Art No.	Description	Qty.	Note
B	9000010879	Tiller operation sticker	1	
C	9000003570	Sign read and follow this instruction	1	
D	9000008555	Cylinder sticker	1	
E	9000003569	Sign capacity sticker (1200kg)	1	
F	9000011358	CE sticker	1	
G	9000011782	Weight sticker (Battery)	1	
H	9000003580	Warning sticker	1	
I	9000003577	Warning sticker	1	
J	9000003575	Warning sticker	1	
K	9000003579	Warning sticker	1	

Easy worn parts list

No.	Part number	Name	Qty.	Fig./Position	Note
1	9000008800	Bushing	4	Fig.1/13	20x23x21.5
2	9000008258	Bushing	8	Fig.1/19	16x18x15
3	9000008800	Bushing	4	Fig.2/13	20x23x21.5
4	9000008258	Bushing	8	Fig.2/19	16x18x15
5	0000027005	Bushing	4	Fig.3/7	□ 22x□ 20x12
6	9000002333	Bushing	4	Fig.3/18	18x20x12
7	9000010398	Wheel set kit	4	Fig.3/19	Double
8	9000010399	Wheel set kit	2	Fig.3/20	Single
9	9000002135	Micro switch	1	Fig.4/22	WS1-T5-W200R200
10	9000012538	Wheel kit(D.200)	1	Fig.5/4	PU
	9000012543	Wheel kit(D.230)	1		Rubber
11	0000022125	Rubber dust cover	1	Fig.6/4	40x48x6.5
12	0000022210	O rubber seal ring	1	Fig.6/5	40x3.55
13	0000022311	O rubber seal ring	1	Fig.6/6	55x3.5
14	0000022188	Rubber seal ring	1	Fig.6/7	40x50x6
15	0000022025	O rubber seal ring	1	Fig.6/9	75x3.1
16	0000022309	O rubber seal ring	1	Fig.6/10	45x3.55
17	9000006022	Pad	9	Fig.6/12	14
18	9000011357	Seal kits	1	Fig.6/39	
19	1000413002	Bushing	4	Fig.7/20	12X15X15
20	9000010401	Castor assembly	2	Fig.7/29	
21	9000010402	Spring assembly	2	Fig.7/30	
22	9000010333	Bushing	2	Fig.8/25	20x22x10
23	1000434020	Fuse	2	Fig.12/8	60A
24	1000434040	Fuse	1	Fig.12/15	10A