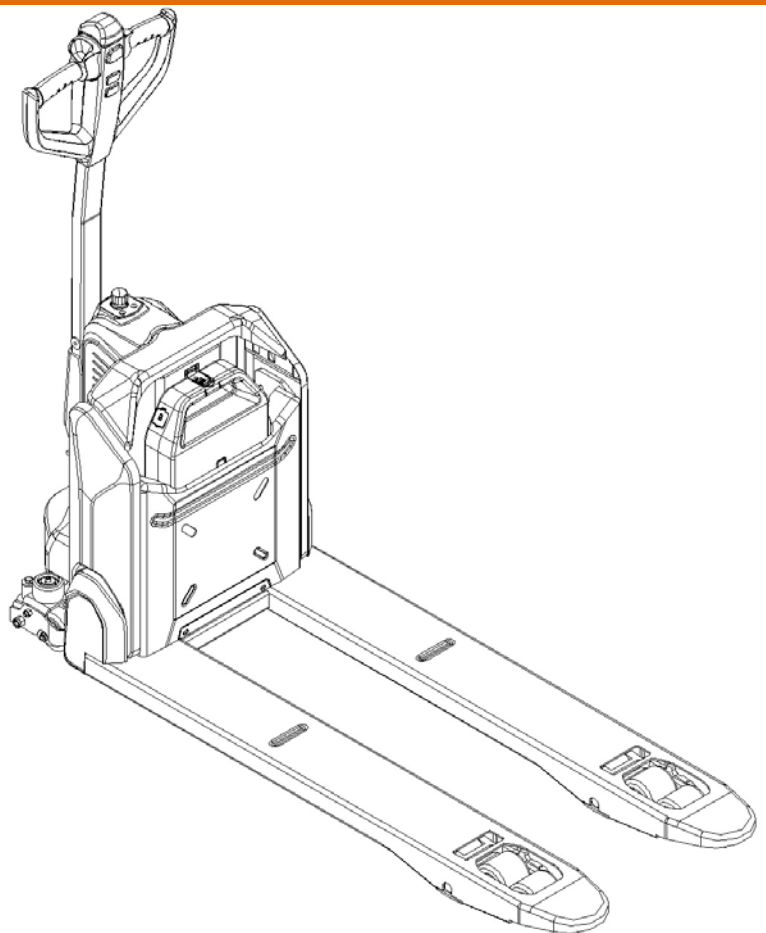


# SPARE PARTS LIST

## Electric Pallet Truck PTE20N



Version 02/2019

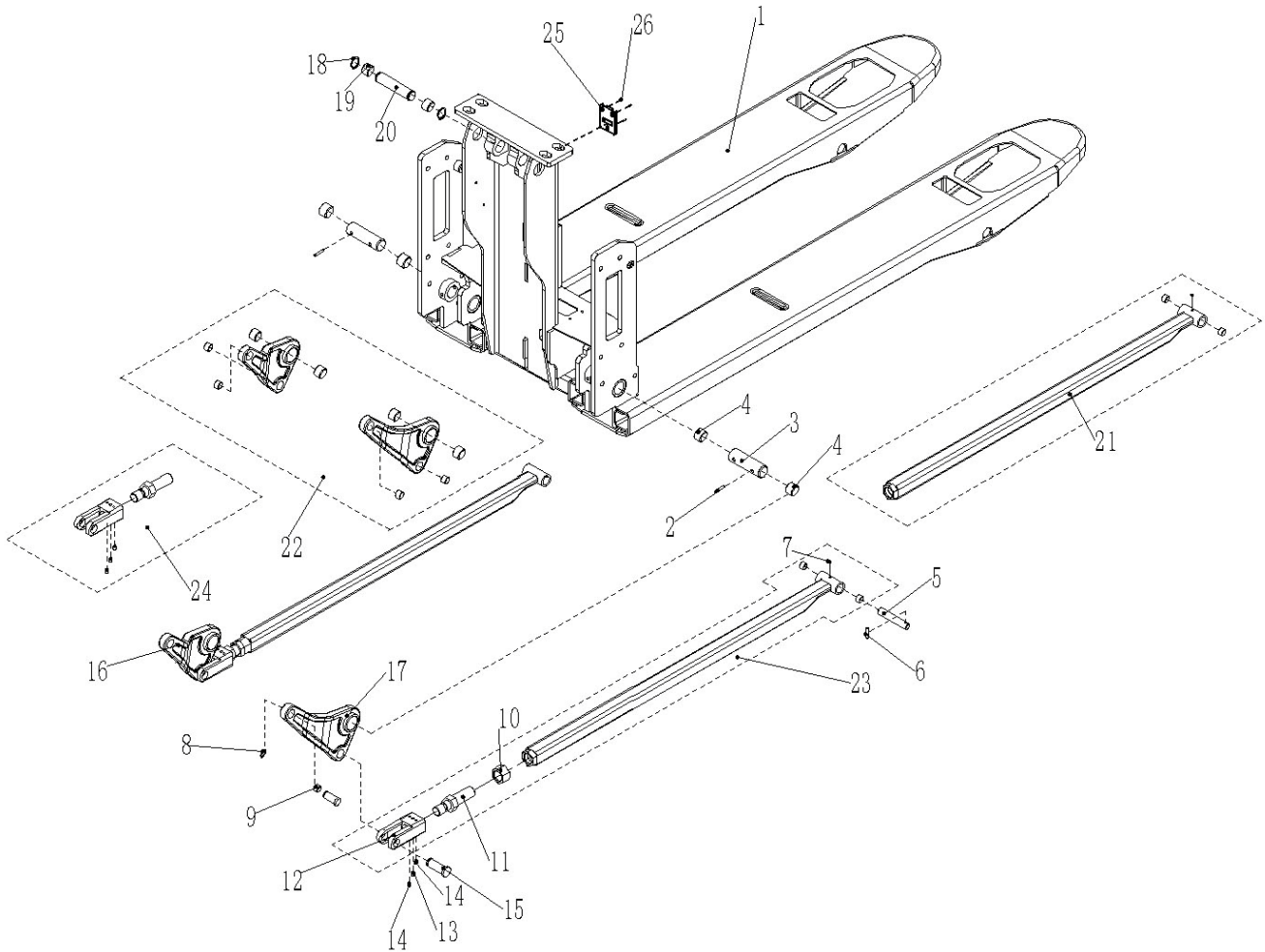
From truck identification number:

PTE20N -BPT-001-CHN

# Catalogue

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**Fig. 1 Chassis (540x800/915/1000/1150/1220)**

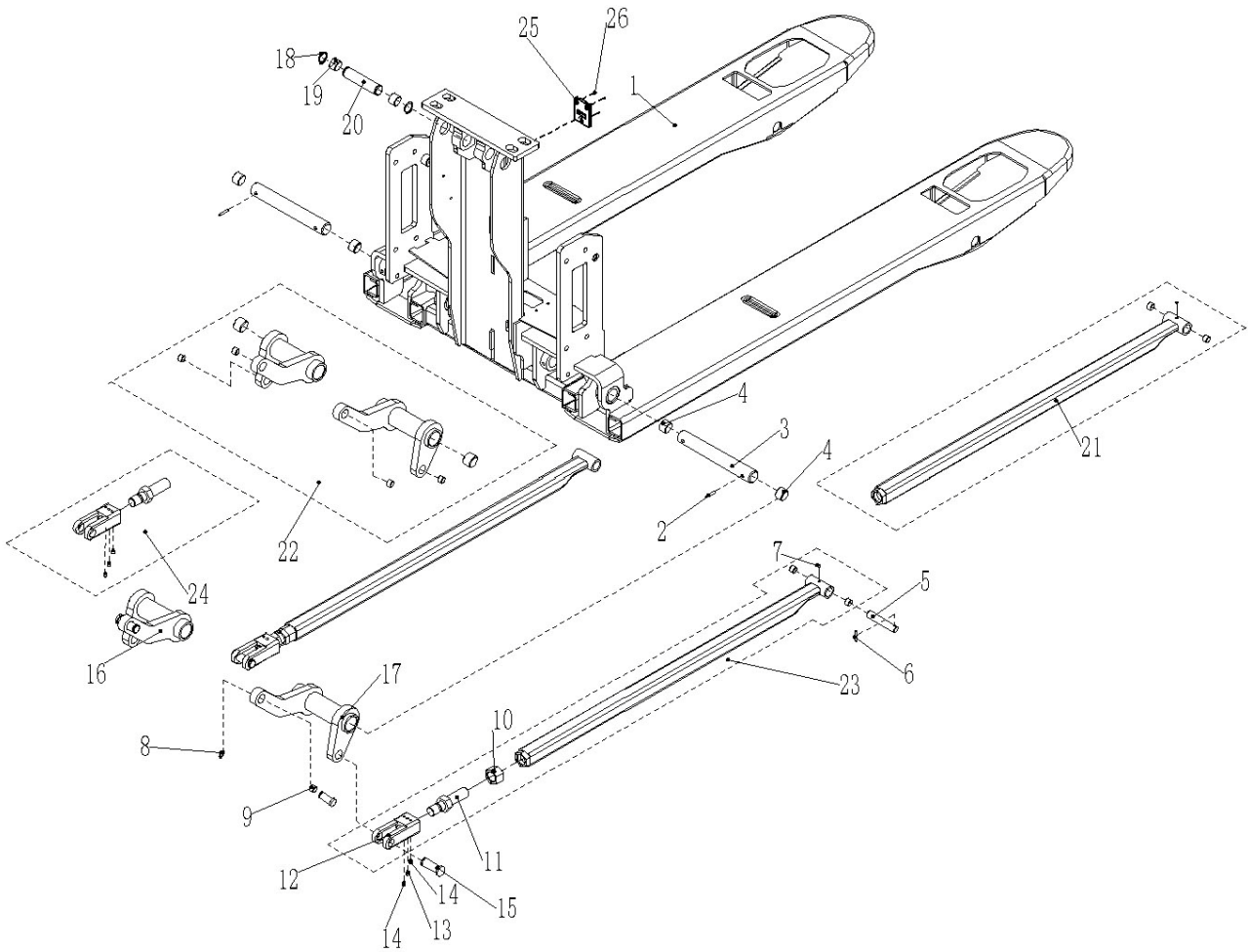


**Fig. 1 Chassis (540x800/915/1000/1150/1220)**

No.	Art No.	Description	Qty.	Note
1	508538510013	Chassis welding	1	540x800
	508538510012	Chassis welding	1	540x915
	508538510010	Chassis welding	1	540x1000
	508538510005	Chassis welding	1	540x1150
	508538510011	Chassis welding	1	540x1220

2	910600400041	Cylindrical pin	2	6x40
3	508538520019	Axle	2	Φ 25x82
4	940500100033	Bushing	4	25x29x12
5	502338520030	Push rod axle	2	Φ 16x82
6	910600400024	Cylindrical pin	2	5x28
7	911200100001	Grease nipple	2	6
8	910401300007	Circlip	4	16
9	940500100006	Bushing	8	16x18x15
10	910300400008	Nut	2	M20x1.5
11	508038520029	Bolt	2	
12	508038520028	Push rod fork	2	
13	910201000005	Screw	2	M6x8
14	910600400015	Cylindrical pin	4	4x30
15	508038520041	Short axle	4	Φ 16x44
16	508538510003	Rock arm welding	1	Left
17	508538510004	Rock arm welding	1	Right
18	910401300011	Circlip	2	20
19	940500100078	Bushing	2	20x23x22
20	508538520016	Short axle	1	Φ 20x92
21	508098510037	Push rod components	2	800
	508098510005	Push rod components	2	915
	508098510040	Push rod components	2	1000
	508098510000	Push rod components	2	1150
	508098510041	Push rod components	2	1220
22	508598510000	Rock arm components	1	540
23	508098510038	Push rod kits	2	800
	508098510006	Push rod kits	2	915
	508098510043	Push rod kits	2	1000
	508098510002	Push rod kits	2	1150
	508098510044	Push rod kits	2	1220
24	508598510014	Push rod fork components	2	
25	508038520109	Lock catch	1	
26	910200500034	Screw	3	M4x8

**Fig. 2 Chassis (685x800/915/1000/1150/1220)**

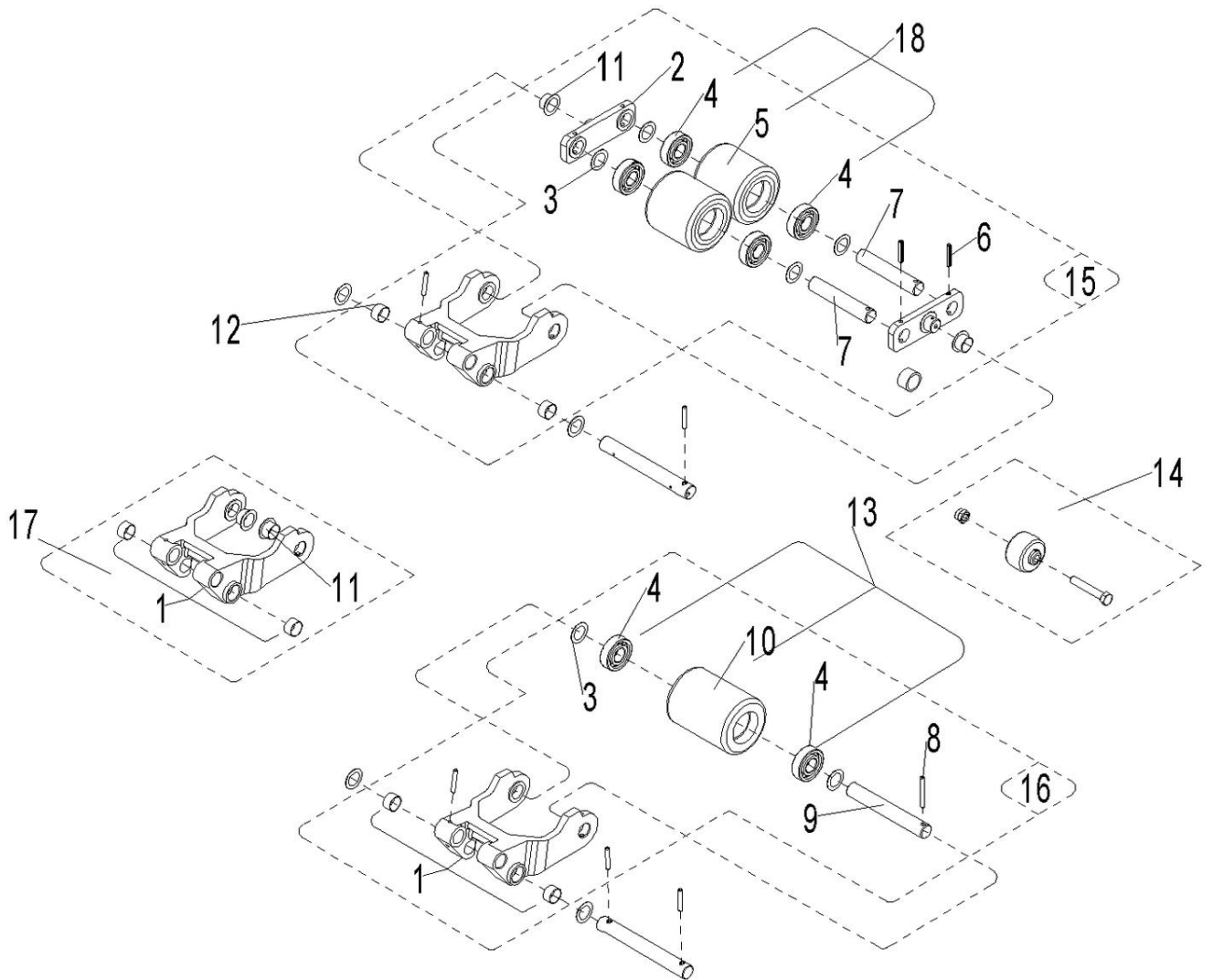


**Fig. 2 Chassis (685x800/915/1000/1150/1220)**

No.	Art No.	Description	Qty.	Note
1	508538510009	Chassis welding	1	540x800
	508538510008	Chassis welding	1	540x915
	508538510006	Chassis welding	1	540x1000
	508538510000	Chassis welding	1	540x1150
	508538510007	Chassis welding	1	540x1220
2	910600400041	Cylindrical pin	2	6x40

3	508538520015	Axle	2	Φ 25x181
4	940500100032	Bushing	4	25x29x25
5	502338520030	Push rod axle	2	Φ 16x82
6	910600400024	Cylindrical pin	2	5x28
7	911200100001	Grease nipple	2	6
8	910401300007	Circlip	4	16
9	940500100006	Bushing	8	16x18x15
10	910300400008	Nut	2	M20x1.5
11	508038520029	Bolt	2	
12	508038520028	Push rod fork	2	
13	910201000005	Screw	2	M6x8
14	910600400015	Cylindrical pin	4	4x30
15	508038520041	Short axle	4	Φ 16x44
16	508538510001	Rock arm welding	1	Left
17	508538510002	Rock arm welding	1	Right
18	910401300011	Circlip	2	20
19	940500100078	Bushing	2	20x23x22
20	508538520016	Short axle	1	Φ 20x92
21	508098510037	Push rod components	2	800
	508098510005	Push rod components	2	915
	508098510040	Push rod components	2	1000
	508098510000	Push rod components	2	1150
	508098510041	Push rod components	2	1220
22	508598510001	Rock arm components	1	685
23	508098510038	Push rod kits	2	800
	508098510006	Push rod kits	2	915
	508098510043	Push rod kits	2	1000
	508098510002	Push rod kits	2	1150
	508098510044	Push rod kits	2	1220
24	508598510014	Push rod fork components	2	
25	508038520109	Lock catch	1	
26	910200500034	Screw	3	M4x8

Fig. 3 Load roller components

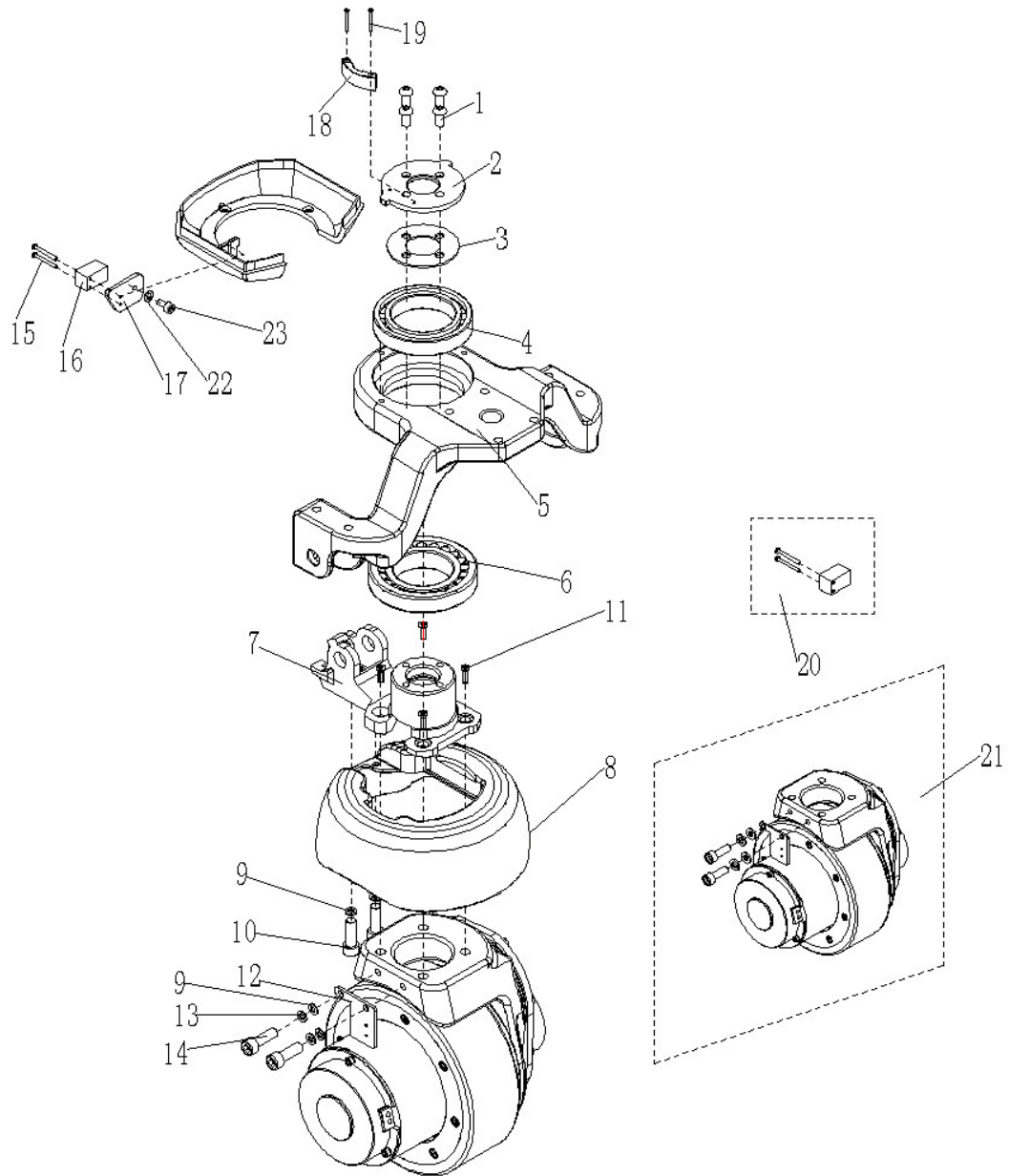


**Fig. 3 Load Roller Components**

No.	Art No.	Description	Qty.	Note
1	502398510018	Frame of roller components (75mm Single)	2	Low profile
2	502317020000	Linking plate	4	Tandem
3	940600500013	Washer $\Phi$ 25x $\Phi$ 20.5x1	8/4(Tandem/single)	
4	910700200019	Bearing GB276-6204-2RS	8/4(Tandem/single)	
5	940300300005	Roller $\Phi$ 80x70(Steel core PU)	4(Tandem)	
6	910600400027	Elastic cylindrical pin GB879.1-5x35	8(Tandem)	
7	502317020001	Wheel axle $\Phi$ 20x94	4(Tandem)	
8	910600400027	Elastic cylindrical pin GB879.1-5x35	8(Tandem)	
9	301017020001	Roller axle $\Phi$ 20x122	2(Single)	
10	940300300023	Roller $\Phi$ 80x93(Steel core PU)	2(Single)	
11	940500200003	Bushing (With shoulder) $\Phi$ 18x $\Phi$ 20x12-SF-1	4(Tandem)	
12	940500100012	Bushing $\Phi$ 20x $\Phi$ 22x12-SF-1	4	
13	502398510014	Wheel set kits (single)	2	
14	502398510003	Entry roller kits	2	
15	502398510020	Wheel kits (Tandem)	2	
16	502398510017	Wheel kits (single)	2	
17	502398510019	Frame of roller components (75mm tandem)	2	Low profile
18	502398510002	Wheel set kits (Tandem)	2	



**Fig. 4 Driving unit**

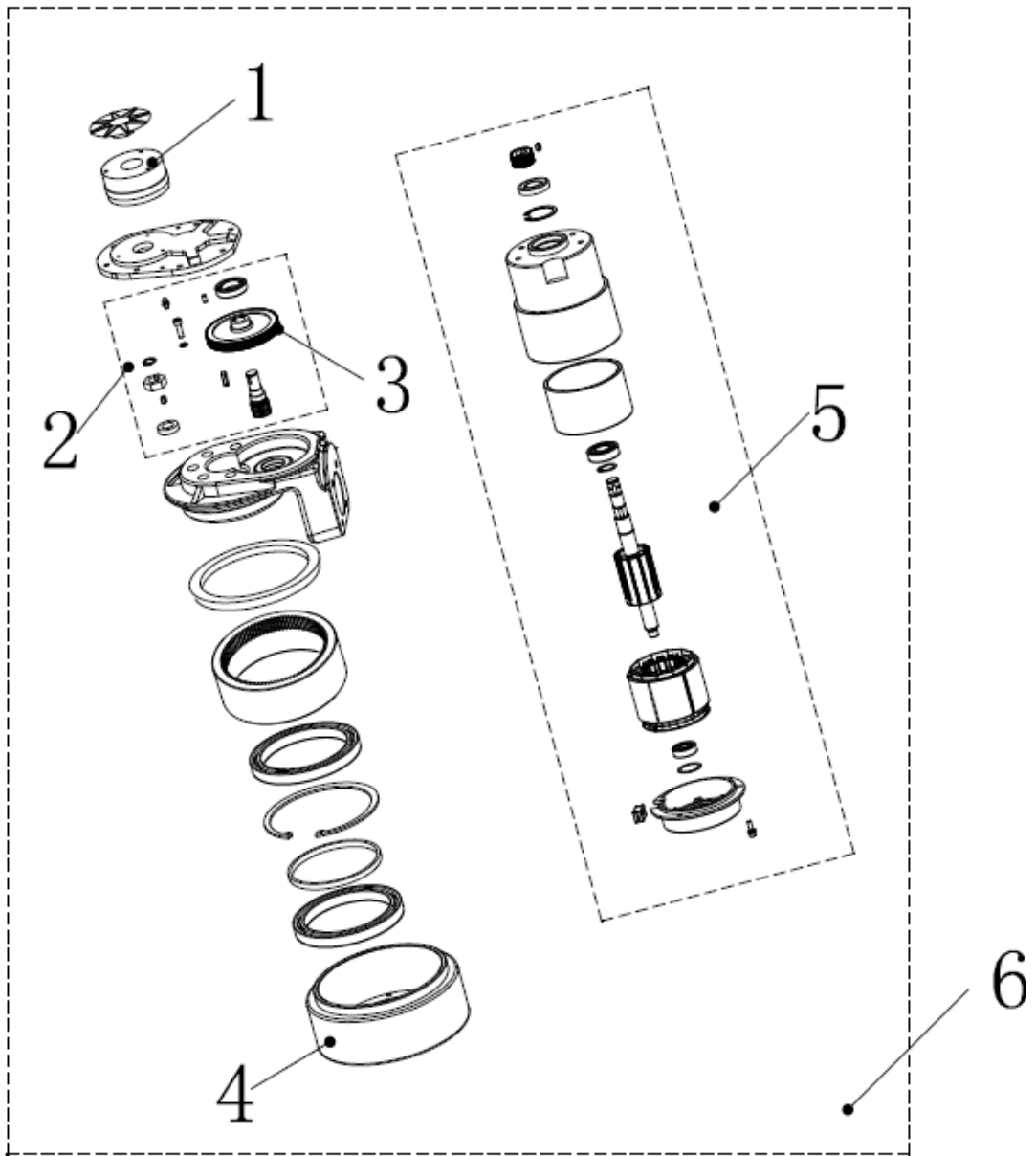


**Fig. 4 Driving Unit**

No.	Art No.	Description	Qty.	Note
1	910200300024	Screw	4	M8x16
2	508513520002	Bearing cap	1	

3	508013520004	Washer	1	
4	910700200058	Bearing	1	6013
5	508513520001	Driving wheel seat	1	
6	910700600044	Bearing	1	32913
7	508513520000	Linking flange	1	
8	508013520101	Round cover	1	
9	910400100005	Flat washer	4	6
10	910200200032	Screw	2	M6x10
11	910200200076	Screw	4	M10x25
12	508513520003	Driving plug plate	1	
13	910400500005	Spring washer	2	6
14	910200200033	Screw	2	M6x12
15	910200200007	Screw M3x25	2	With speed reduction on curve
16	920200400025	Proximity switch AZ17M05PB30	1	With speed reduction on curve
17	508533020001	Mounting plate	1	With speed reduction on curve
18	508533020000	Sensor block	1	With speed reduction on curve
19	910200500015	Screw M3x20	2	With speed reduction on curve
20	508598510002	Proximity switch components	1	With speed reduction on curve
21	508598510003	Driving components	1	
22	910400100003	Flat washer	1	4
23	910200300005	Screw	1	M4x8

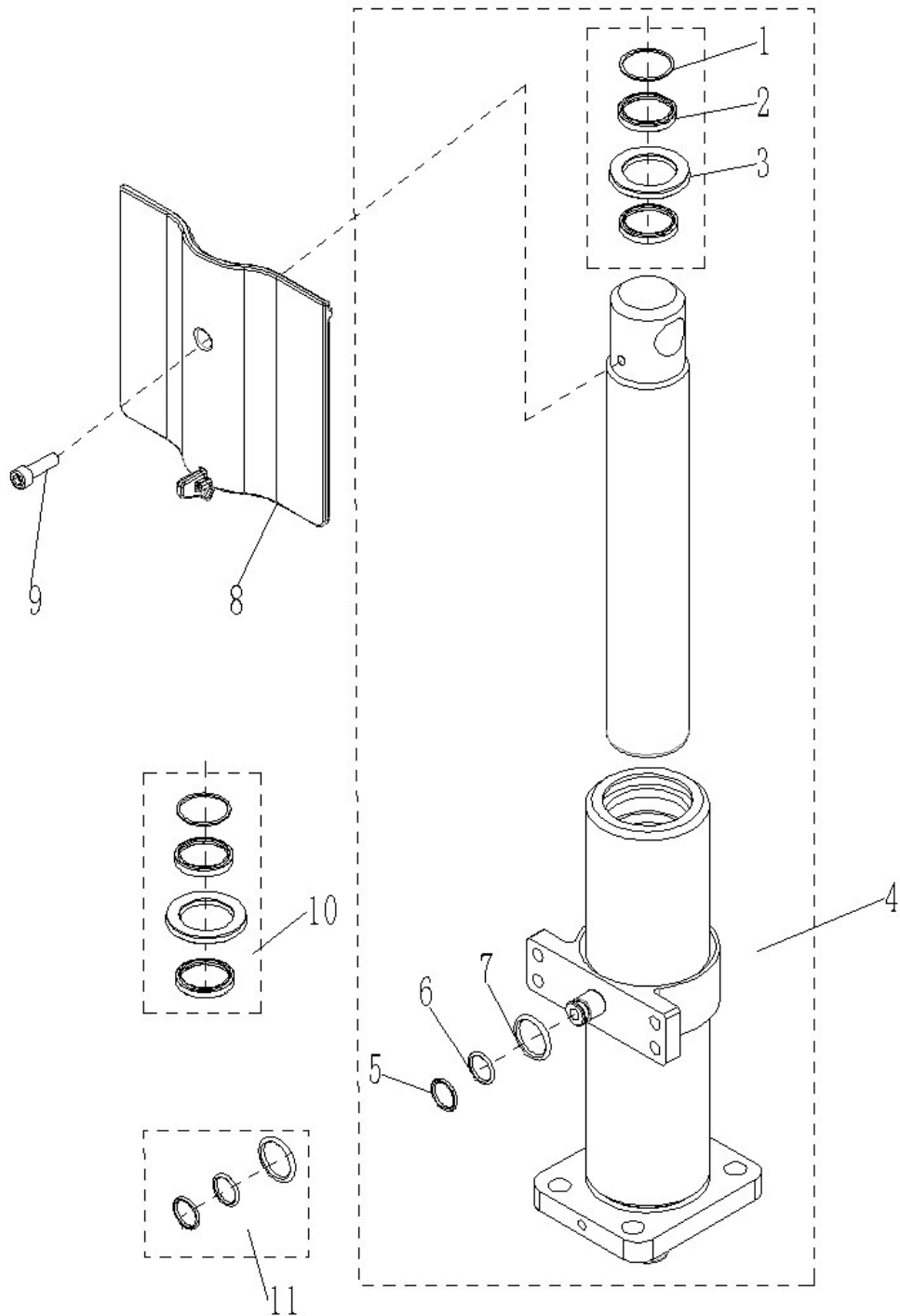
**Fig. 5 Driving wheel components**



**Fig. 5 Driving Wheel Components**

No.	Art No.	Description	Qty.	Note
1	508098520002	Brake	1	
2	508098510015	Gear box components	1	
3	508098520004	Big gear ring	1	
4	508098520003	Rubber wheel	1	
5	508598510012	Motor components	1	
6	940900100011	Driving assembly	1	

**Fig. 6 Cylinder**

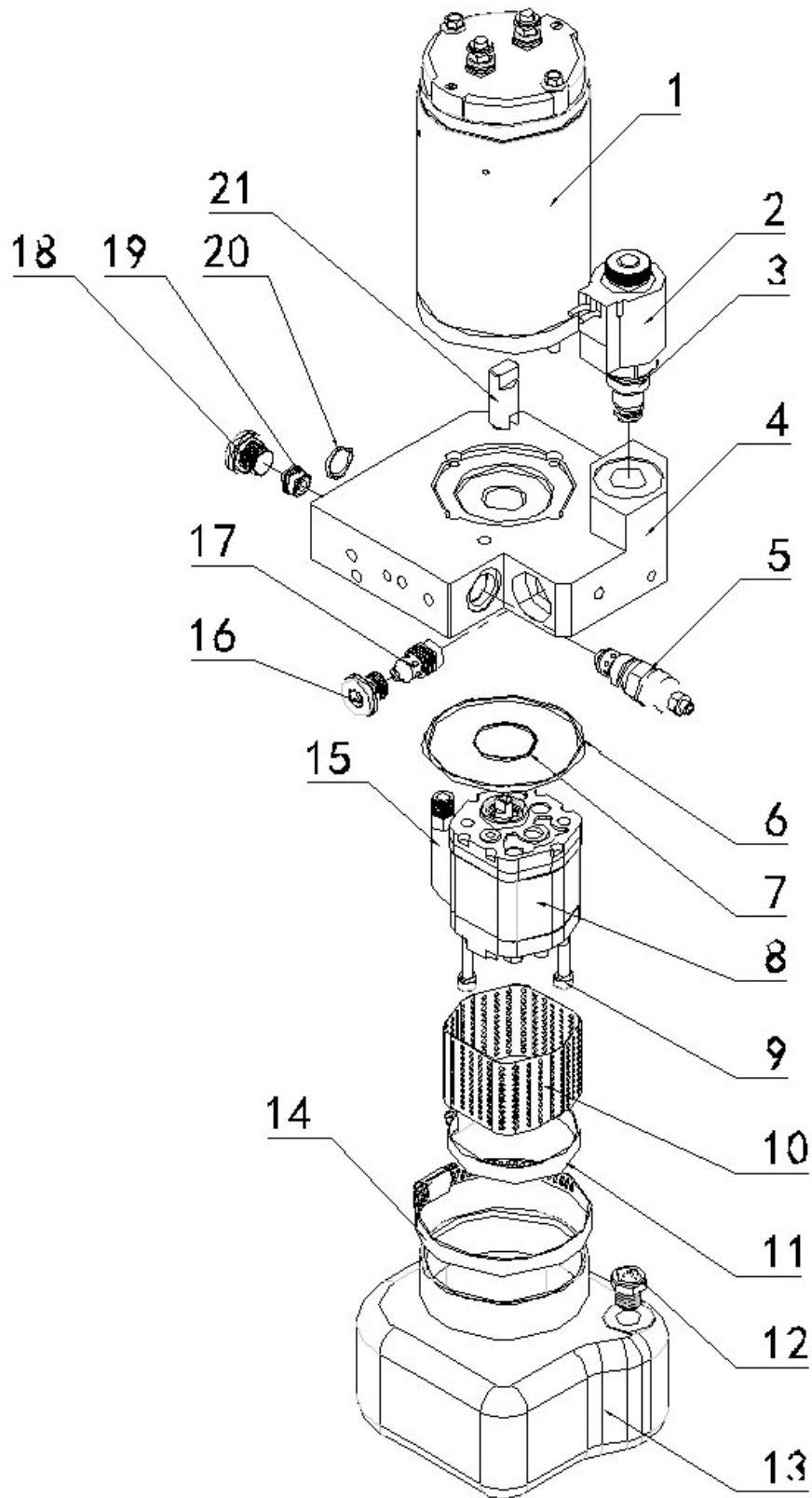


**Fig. 6 Cylinder**

No.	Art No.	Description	Qty.	Note
1	910800400003	Dust ring FC35x43x5	1	
2	910800500009	Support ring 35x40x10	2	

3	910800300013	Seal ring Y35x45x6	1	
4	508524010000	Cylinder components	1	
5	910800800003	Circlip 12.7x9.8x1.25	1	
6	910800100001	O ring 9.5x1.8	1	
7	910800100098	O ring 13.5x1.8	1	
8	508524020011	Cylinder cover	1	
9	910200200033	Screw GB70.1-M6x12-8.8	1	
10	508598510005	Sealing components	1	
11	508598510004	Sealing components	1	

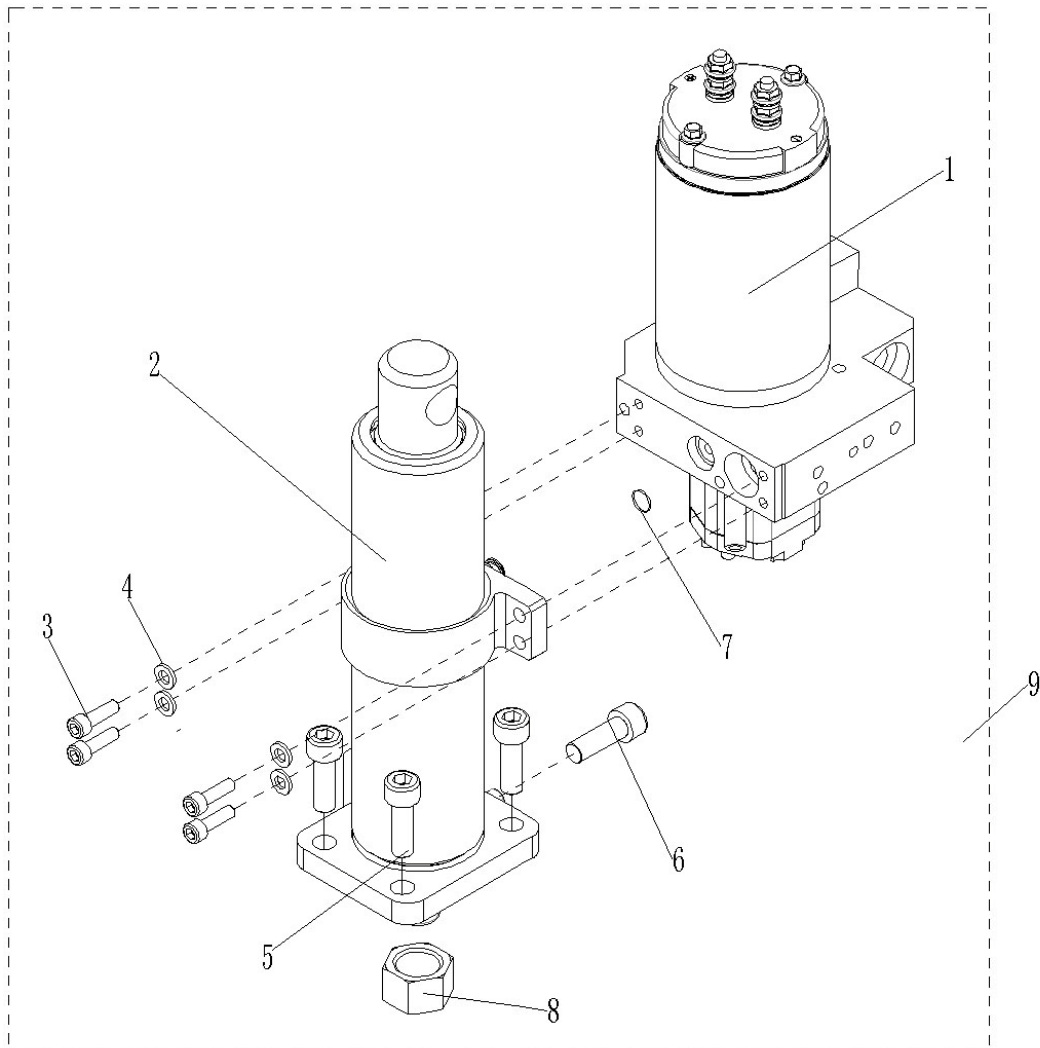
Fig. 7 Power unit



**Fig. 7 Power Unit**

No.	Art No.	Description	Qty.	Note
1	508598510007	DC Motor	1	MD48080AN
2	508598520001	48VDC coil	1	YC048DC tandem
3	505698520054	Valve core	1	SCV
4	508598520002	CMB3 valve block	1	CMB3-101-66E
5	504498510015	Over flow valve	1	RV-06
6	508598520003	O ring	1	67.95x2.62
7	910800100063	O ring 21.2x1.8	1	21.2x1.8
8	508598510008	CBU gear pump	1	CBU-F1038
9	508598520004	Screw	2	M5x60
10	508598520005	Filter	1	59-30
11	508598520006	Clamp	1	KG02
12	508598510009	Filter	1	Z3/8
13	508598510010	Plastic oil tank	1	0.4L-TP072A080-V
14	508598520007	Clamp	1	KG04
15	508598520008	Oil return tube	1	RU10-060
16	505698520043	Plug	1	SP-09
17	505698520041	Pressure compensation valve	1	RPCV-02-04
18	505698520037	Plug	1	SP-02
19	505698520038	Built-in check valve	1	CV-03
20	910800100098	O ring 13.5x1.8	1	13.5x1.8
21	508598520009	Coupler	1	DCP-312

**Fig. 8 Hydraulic components**

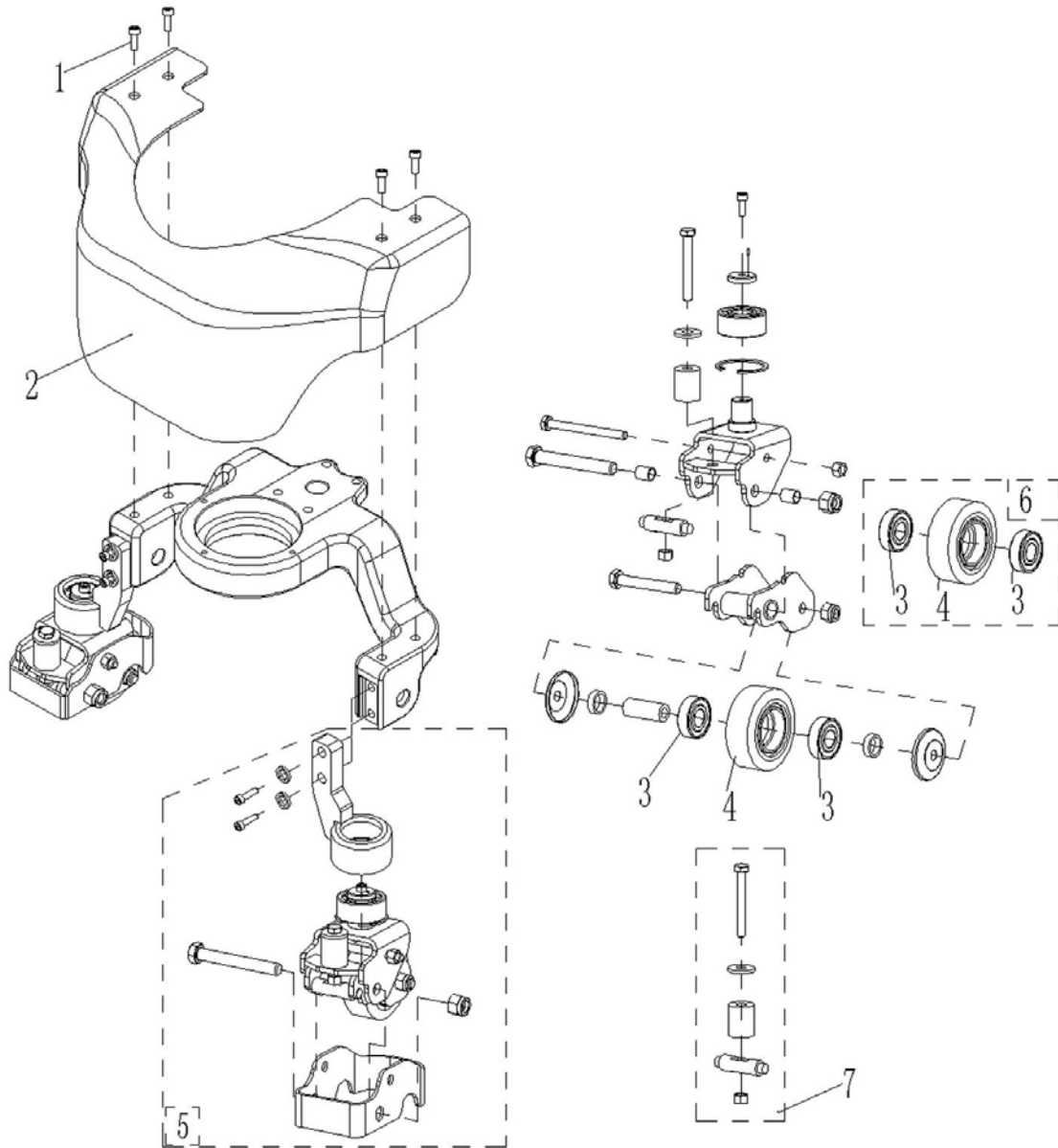


**Fig. 8 Hydraulic Components**

No.	Art No.	Description	Qty.	Note
1	950900100057	Hydraulic power unit 48V0.8KW0.38cc	1	
2	508524010000	Cylinder assembly	1	
3	910200200036	Screw GB70.1-M6x20-8.8	4	
4	910400100005	Flat washer GB97.1-6-200HV	7	
5	910200200077	Screw GB70.1-M10x30-8.8	4	
6	910200200045	Screw GB70.1-M6x6-8.8	1	
7	910800100098	O ring	1	13.5x1.8
8	910300400008	Nut GB6173-M20x1.5-05	1	
9	508524001000	Hydraulic components	1	



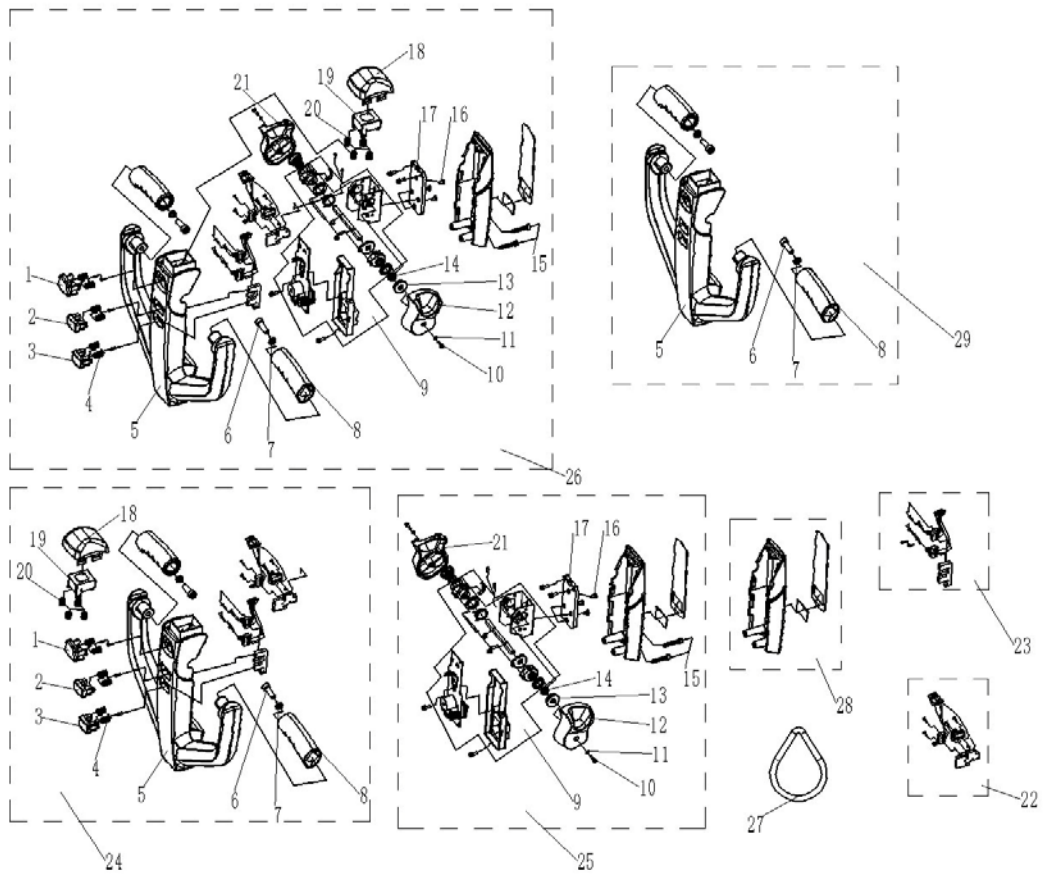
**Fig. 9 Steering wheel components (with side rollers)**



**Fig. 9 Steering Wheel Components (with side rollers)**

No.	Art No.	Description	Qty.	Note
1	941100100005	Screw M10x15-8.8	4	
2	508016520000	Apron (side roller)	1	
3	910700200018	Bearing GB276-6203-2RS	2	
4	940300300017	Roller $\Phi$ 80x30(Steel core PU)	1	
5	508016510000	Side roller components $\Phi$ 80x30(PU)	1	
6	502398510015	Roller components	1	
7	502398510016	Spring components	1	

**Fig. 10 Tiller head**

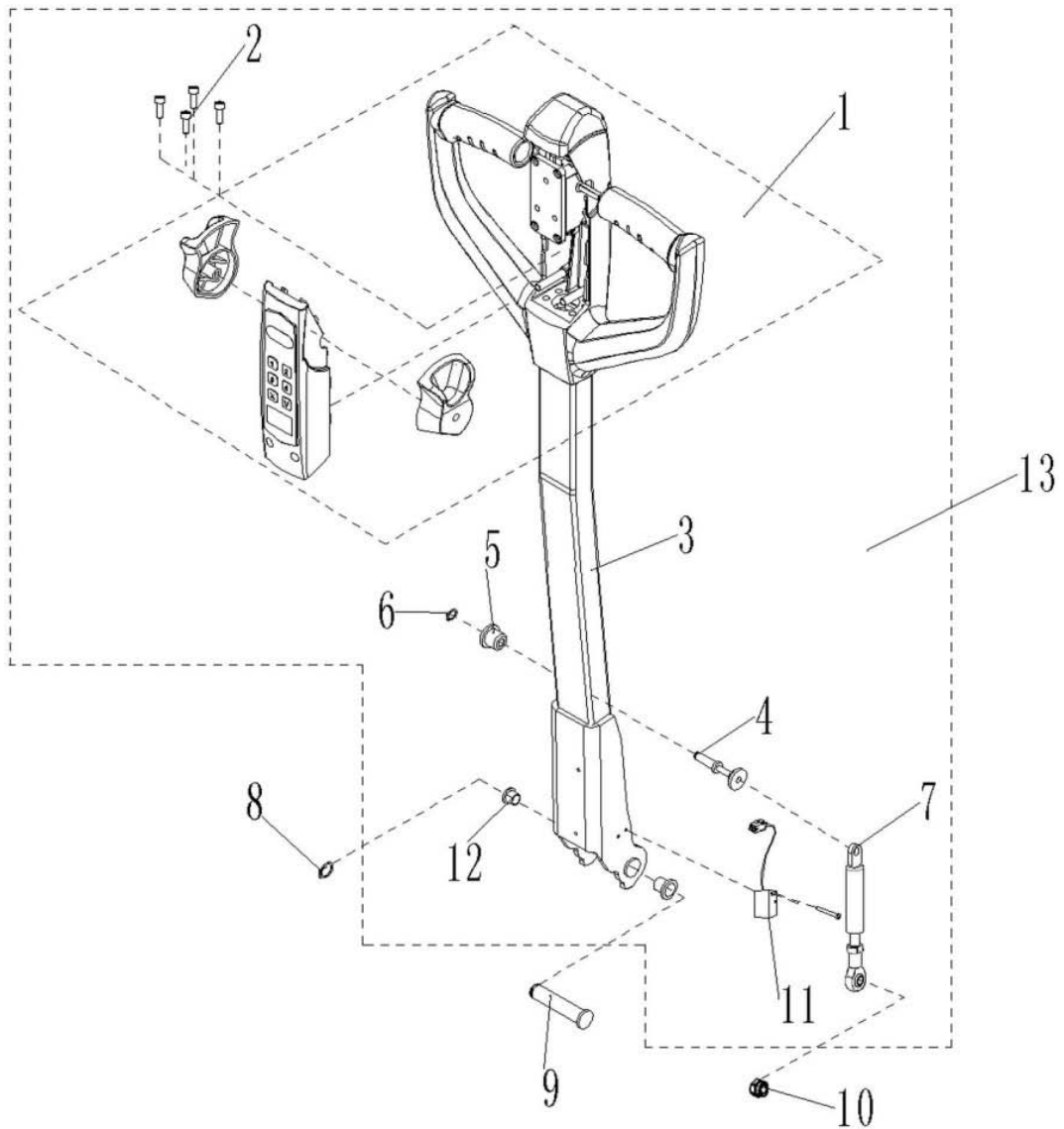


**Fig. 10 Tiller Head**

No.	Art No.	Description	Qty.	Note
1	502398520009	Horn	1	
2	502398520010	Lifting button	1	

3	502398520011	Lowering button	1	
4	502311020022	Spring 0.6	6	Height 16
5	508098520012	Tiller upper cover	1	
6	910200200058	Bolt	2	M8*25
7	910400500006	Washer	2	Φ 8
8	508098520013	Grip	2	
9	508098510028	Accelerator assembly	1	Components
10	910200200003	Bolt	2	M3*12
11	910400500002	Washer	2	Φ 3
12	508098520014	Left driving knob	1	
13	508098520015	Axle external bushing	2	
14	508098520016	Axle internal bushing	2	
15	910200200159	Screw GB70.1-M5x50-8.8	2	M5*50
16	910202000001	Screw	3	M4*6
17	508098520017	Accelerator fixing plate	1	
18	508098520018	Belly button base	1	
19	508098520019	Belly internal base	1	
20	502311020018	Spring 0.8	4	Height 11
21	508098520020	Right driving knob	1	
22	508098510029	Horn micro switch components	1	
23	508098510030	Lifting and lowering micro switch components	1	
24	508098510031	Tiller upper cover components	1	
25	508598510011	Tiller bottom cover components	1	
26	922100100016	Tiller N200(26C-1)	1	
	922100100020	Tiller N200(26C-3)	1	With card
27	508598520000	Tiller ID card	1	
28	508598510015	Display panel assembly	1	
29	508098510046	Handle cover fitting	1	

**Fig. 11 Tiller arm components**

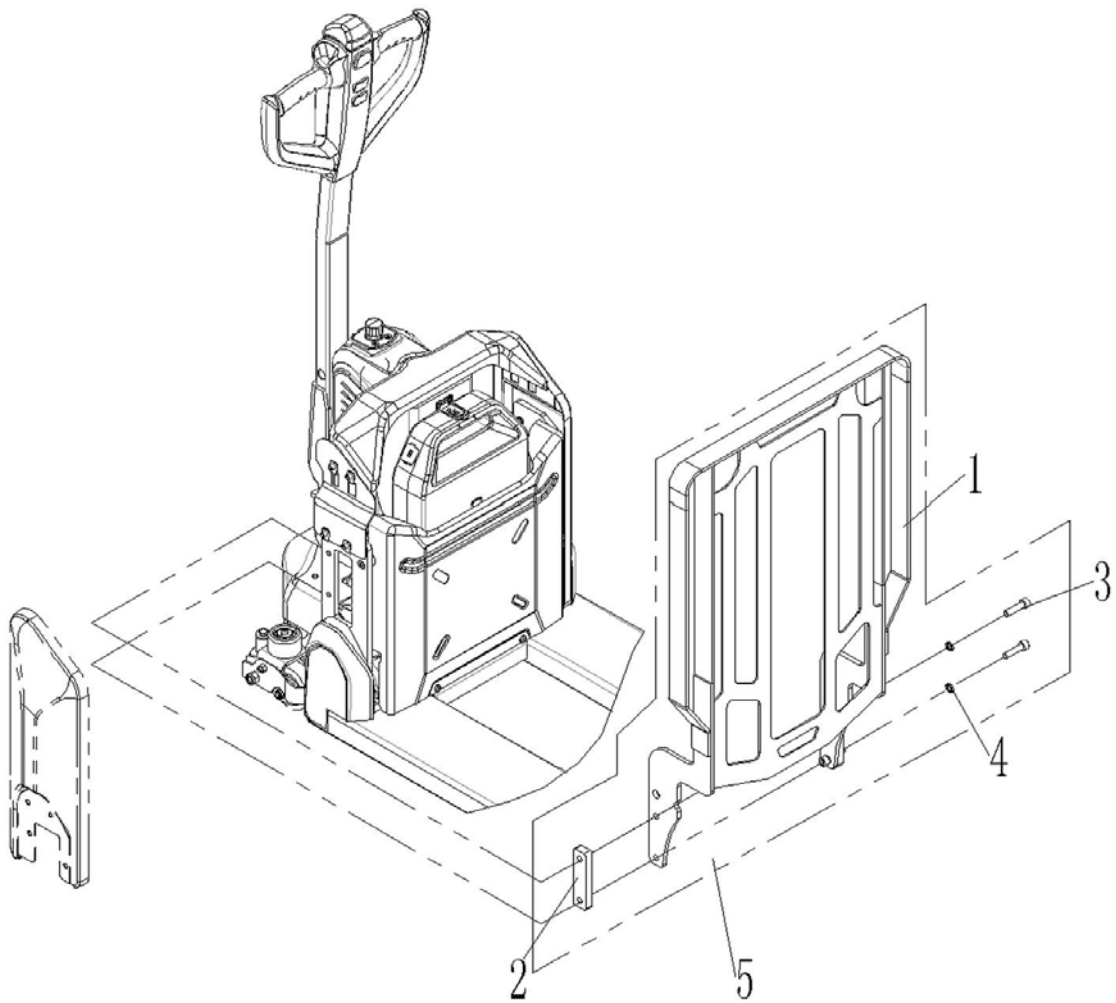


**Fig. 11 Tiller Arm Components**

No.	Art No.	Description	Qty.	Note
1	922100100016	Tiller N200(26C-1)	1	
	922100100020	Tiller N200(26C-3)	1	With card
2	910200200040	Screw GB70.1-M6x35-8.8	4	
3	508011010000	Tiller arm welding	1	
4	508011010002	Fixing axle welding	1	
5	508011020005	Fixing base	1	
6	910401300001	Circlip GB894.1-8	1	
7	508011010001	Air spring (D245)	1	

8	910401300006	Circlip GB894.1-15	1	
9	508011020004	Short axle $\Phi$ 15x70	1	
10	910200200057	Screw GB70.1-M8x20-8.8	1	
11	505633510002	Proximity switch NBN5-F7-E2(800mm)	1	
12	940500200001	Bushing (With shoulder) $\Phi$ 15x $\Phi$ 17x9-SF-1	2	
13	508598510006	Tiller components	1	
	508598510013	Tiller components	1	With card

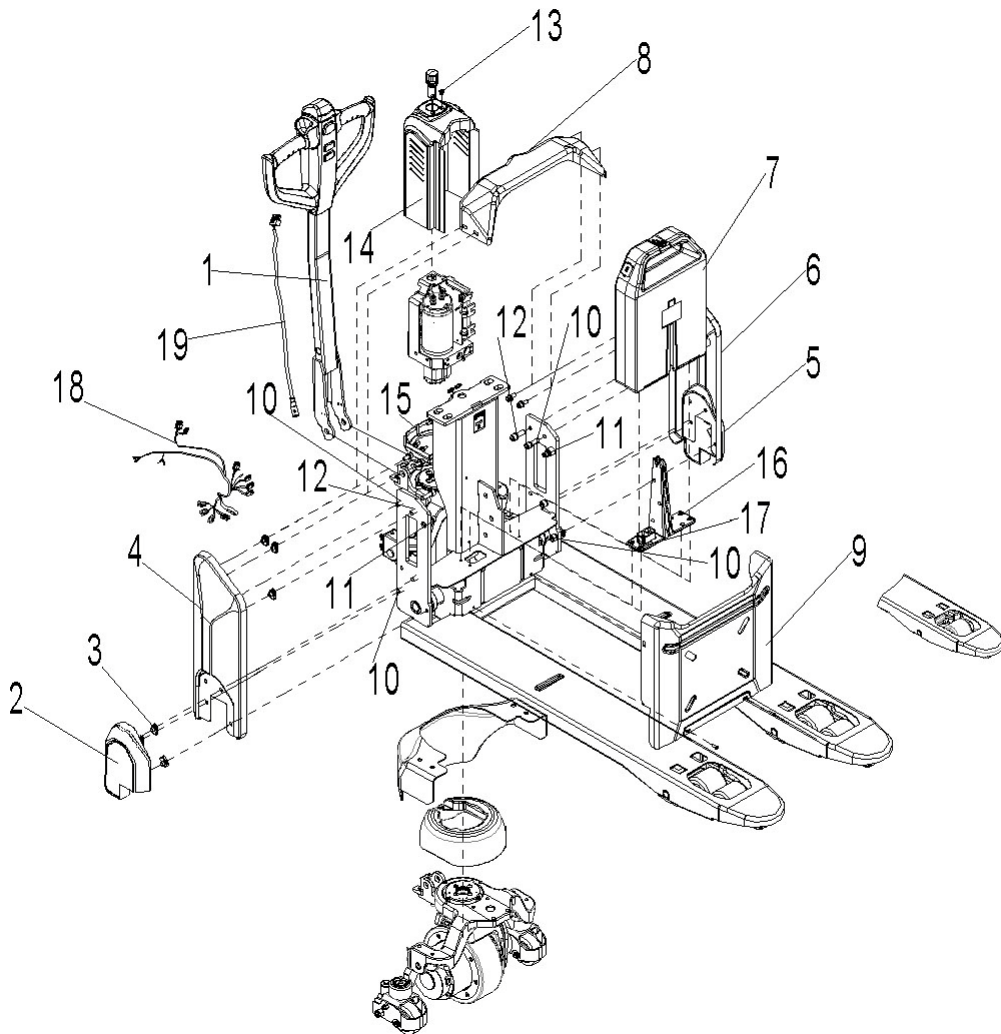
**Fig. 12 Load backrest components**



**Fig. 12 Load Backrest Components**

No.	Art No.	Description	Qty.	Note
1	508040510000	Load backrest welding (1070)	1	
	508040510001	Load backrest welding (1220)	1	
	508040510002	Load backrest welding (1525)	1	
2	508040520000	Plate	2	
3	910200200079	Screw GB70.1-M10x40-8.8	4	
4	910400500007	Spring washer GB93-10	4	
5	508040501000	Load backrest assembly (1070)	1	
	508040501001	Load backrest assembly (1220)	1	
	508040501002	Load backrest assembly (1525)	1	

**Fig. 13 Truck components**



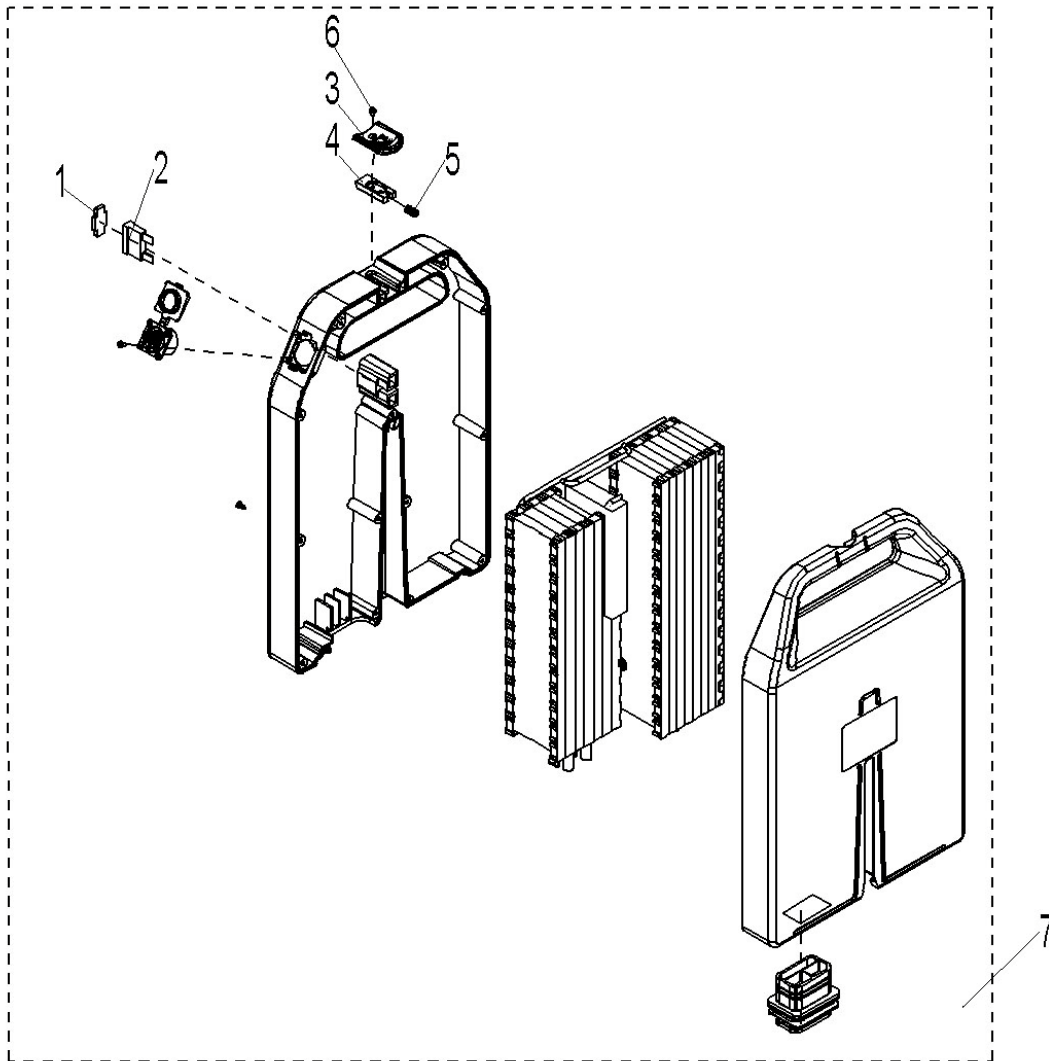
**Fig. 13 Truck Components**

No.	Art No.	Description	Qty.	Note
1	508598510006	Tiller components	1	
	508598510013	Tiller components	1	With card
2	508038510103	Small side cover (right) (540)	1	
	508038510105	Small side cover (right) (685)	1	
3	940400400002	Nut M8-t(2-4)	14	
4	508038510101	Side panel (Right )	1	
5	508038510102	Small side cover (left) (540)	1	
	508038510104	Small side cover (left) (685)	1	
6	508038510100	Side panel (Left )	1	

7	508537010000	Lithium battery 48V20Ah	1	20Ah
8	508038520100	Top cover	1	
9	508038520101	Front cover	1	
10	910200200058	Screw GB70.1-M8x25-8.8	10	
11	910200200055	Screw GB70.1-M8x16-8.8	6	
12	910400100006	Flat washer GB97.1-8-200HV	6	
13	910200400015	Screw GB70.3-M6x10-8.8	2	
14	508524020010	Motor cover	1	
15	508524020012	Motor cover base	1	
16	920600100045	Lithium battery holder	1	
17	910200500037	Screw GB818-M5x10-4.8	4	M5x10
18	508533010000	Main control wiring harness (CURTIS1226BL-4153+ZD)	1	
	508533010009	Main control wiring harness (CURTIS1226BL-4153+ZD+JS)	1	
19	508533010001	Tiller control wiring harness	1	



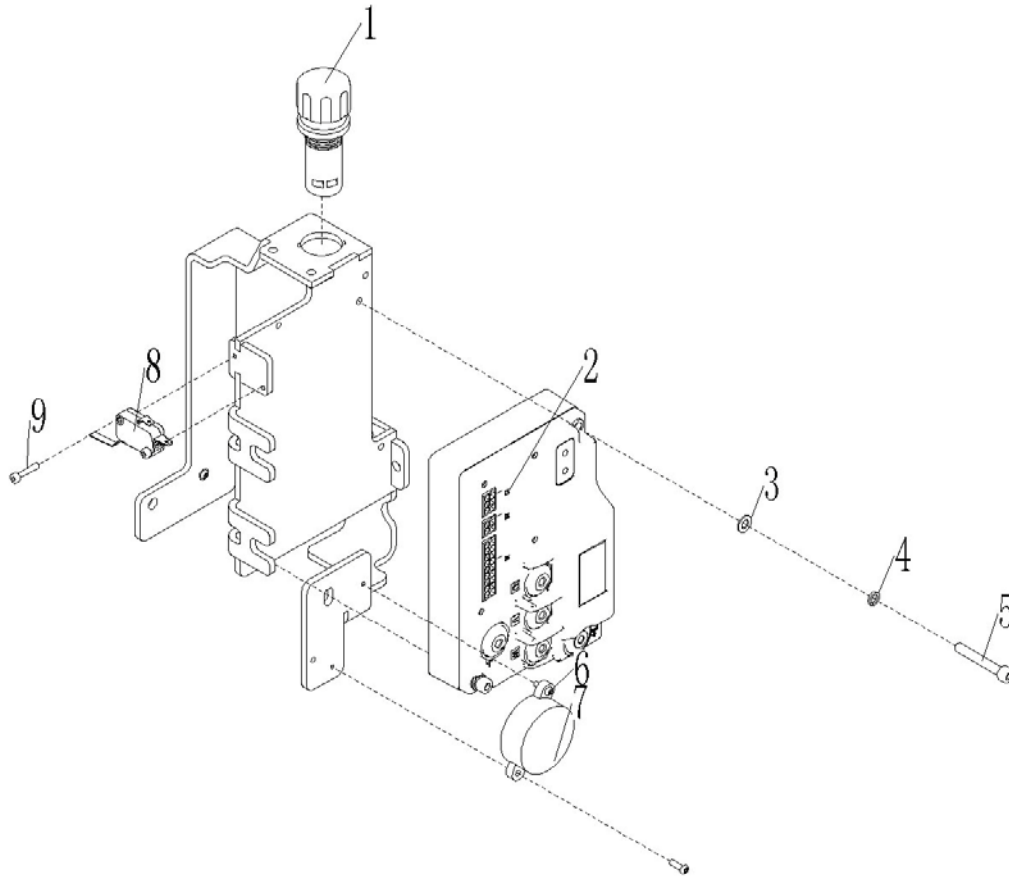
**Fig. 14 Power supply assembly**



**Fig. 14 Power Supply Assembly**

No.	Art No.	Description	Qty.	Note
1	508098520021	Fuse protective cap	1	
2	920100200007	70A fuse	1	ATM70A DC80V
3	508098520022	Locker	1	
4	508098520023	Aluminium part	1	
5	508098520024	Spring	1	
6	910200500010	Screw	2	GB818-M3x8-4.8
7	508537010000	Lithium battery 48V20Ah	1	20Ah

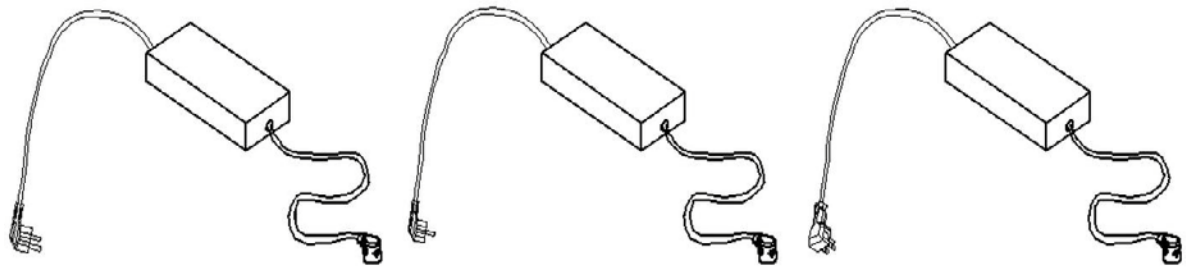
**Fig. 15 Controller components**



**Fig. 15 Controller Components**

No.	Art No.	Description	Qty.	Note
1	920200100015	Emergency button CE3T-10R-02	1	
2	921400100093	Controller 1226BL-4153	1	
3	910400100004	Flat washer GB97.1-5-200HV	2	Flat washer GB97.1-5-200HV-A-c1B
4	910400500004	Spring washer GB93-5	2	Spring washer GB93-5-c1B
5	910200200027	Screw GB70.1-M5x35-8.8	2	Screw GB70.1-M5x35-8.8-c1B
6	910200500010	Screw GB818-M3x8-4.8	2	Screw GB818-M3x8-4.8-Z-c1B
7	920500100004	Buzzer HYD-4216W-48V	1	
8	920200300015	Micro switch BH-KW9-10305A	1	
9	910200200004	Screw GB70.1-M3x16-8.8	2	Screw GB70.1-M3x16-8.8-c1B

**Fig. 16 Charger**



Chinese market

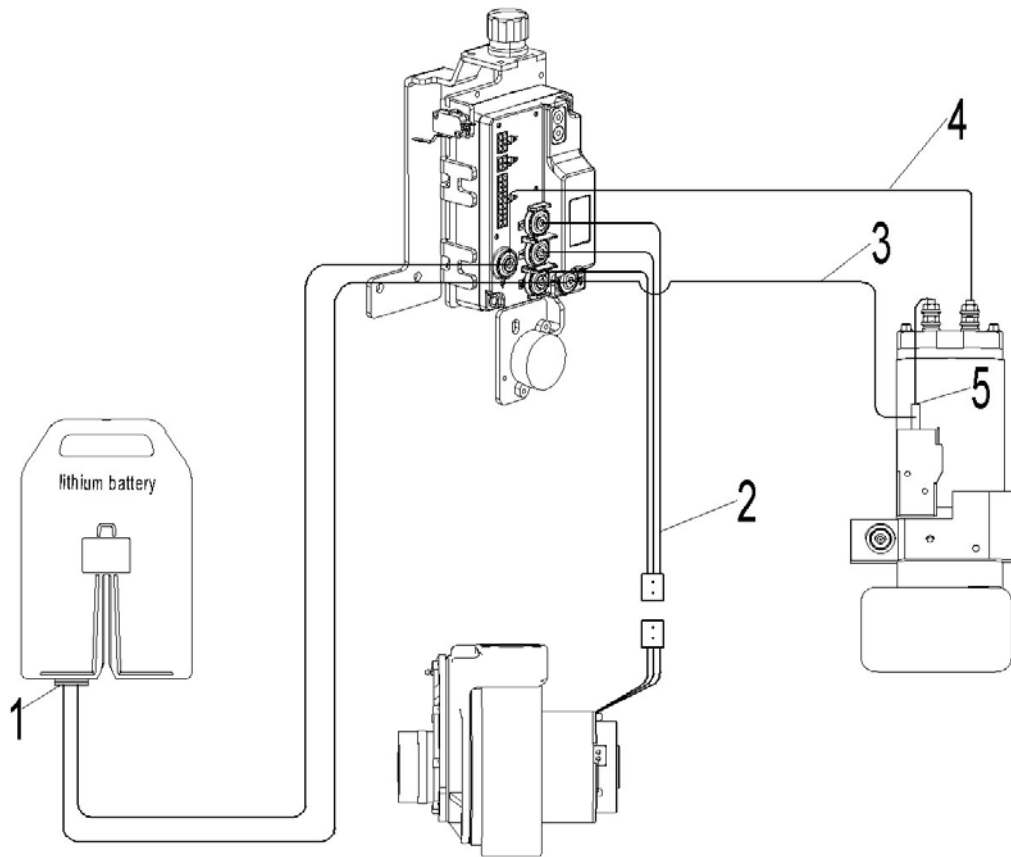
EU market

US market

**Fig. 16 Charger**

No.	Art No.	Description	Qty.	Note
1	921000200397	Lithium battery charger SS48V9A(Asia Chinese)	1	
2	921000200398	Lithium battery charger SS48V9A(US)	1	
3	921000200399	Lithium battery charger SS48V9A(EU)	1	

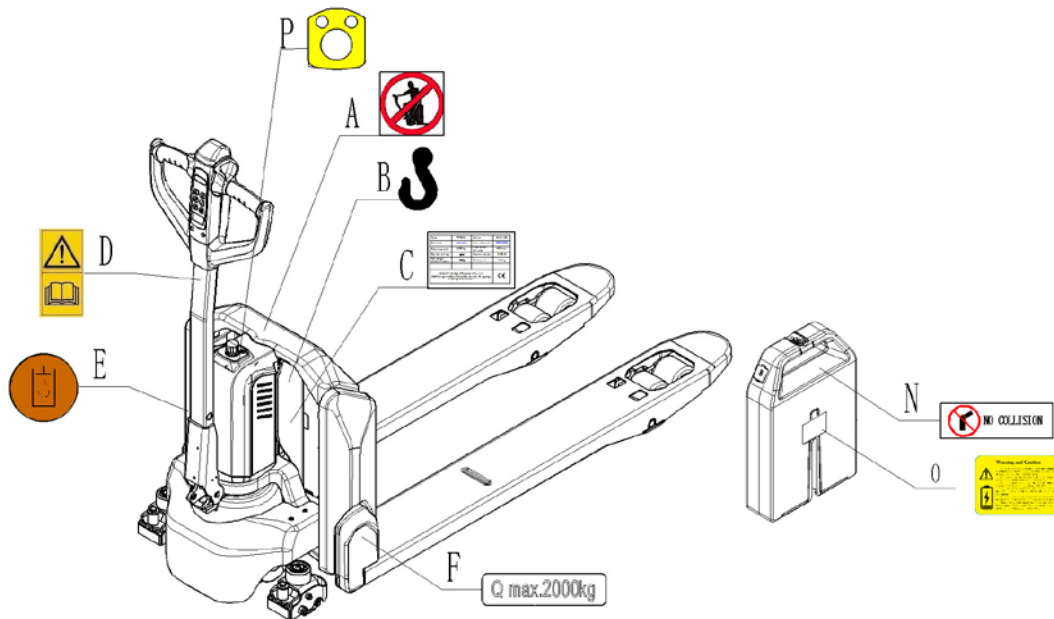
**Fig. 17 Wiring harness**



**Fig. 17 Wiring Harness**

No.	Art No.	Description	Qty.	Note
1	508533010003	Main plug wiring harness	1	
2	508533010007	Motor main wiring harness	1	
3	508533010004	Controller B+ wiring harness	1	
4	508533010005	Controller B- wiring harness	1	
5	508533010006	Pump motor B+ wiring harness	1	

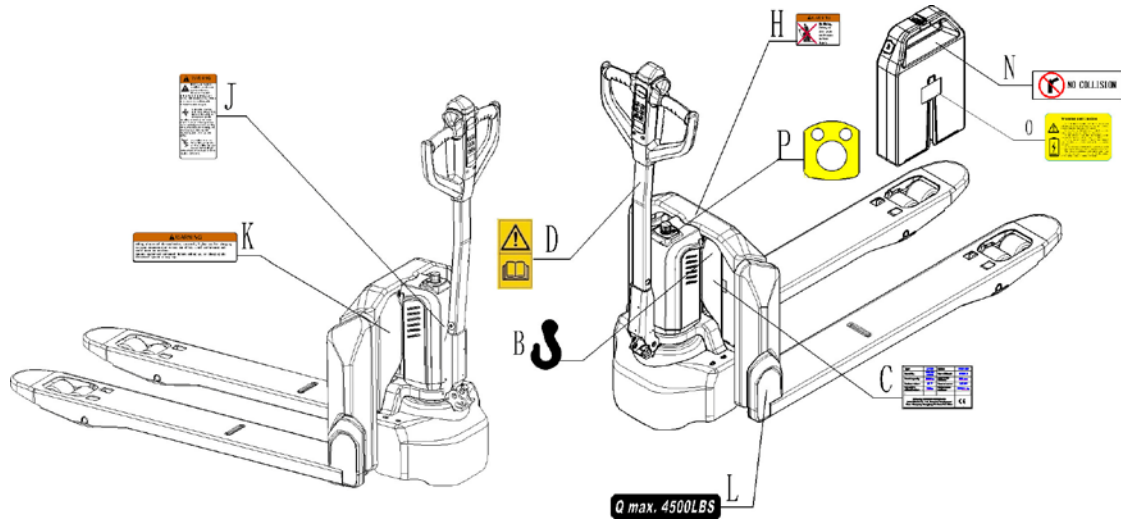
**Fig. 18 Sticker (EU)**



**Fig. 18 Sticker (EU)**

No.	Art No.	Description	Qty.	Note
A	941200100003	"No passengers" decal	1	
B	941200300001	Crane hook label	1	
C	508547520000	CE sticker (PTE20N540x1150)	1	
	508547520001	CE sticker (PTE20N685x1150)	1	
D	941200300002	Sticker to read and follow these instructions	1	
E	941200300003	Filling sticker	1	
F	941200200023	Capacity sticker	1	
N	508047020002	Warning sticker	1	
P	508547020000	Emergency button sticker	1	
O	508098520025	Warning sticker	1	

**Fig. 19 Sticker (US)**



**Fig. 19 Sticker (US)**

No.	Art No.	Description	Qty.	Note
B	941200300001	Crane hook label	1	
C	508547520002	CE sticker (PTE20N21.3x45.3)	1	
	508547520003	CE sticker (PTE20N27x45.3)	1	
D	941200300002	Sticker to read and follow these instructions	1	
E	941200300003	Filling sticker	1	
H	941200100011	Warning sticker	1	
J	941200100009	Warning sticker	1	
K	941200100010	Warning sticker	1	
L	508547020000	Capacity sticker (4500LBS)	1	
N	508047020002	Warning sticker	1	
P	508547020000	Emergency button sticker	1	
O	508098520025	Warning sticker	1	

### Easy worn parts list

No.	Art No.	Description	Qty.	Fig./Position	Note
1	940500100033	Bushing $\Phi 25 \times \Phi 29 \times 12$ -SF-1	4	Fig. 1/4	
2	940500100006	Bushing $\Phi 16 \times \Phi 18 \times 15$ -SF-1	8	Fig. 1/9	
3	508098510037	Push rod components	2	Fig. 1/21	800
	508098510005	Push rod components			915
	508098510040	Push rod components			1000
	508098510000	Push rod components			1150
	508098510041	Push rod components			1220
4	508598510000	Rock arm components	1	Fig. 1/22	
5	508098510038	Push rod kits	2	Fig. 1/23	800
	508098510006	Push rod kits			915
	508098510043	Push rod kits			1000
	508098510002	Push rod kits			1150
	508098510044	Push rod kits			1220
6	508098510004	Push rod fork components	2	Fig. 1/24	
7	940500100032	Bushing $\Phi 25 \times \Phi 29 \times 25$ -SF-1	4	Fig. 2/4	
8	940500100006	Bushing $\Phi 16 \times \Phi 18 \times 15$ -SF-1	8	Fig. 2/9	
9	508598510001	Rock arm components	1	Fig. 2/22	685
10	508098510037	Push rod components	2	Fig. 2/21	800
	508098510005	Push rod components			915
	508098510040	Push rod components			1000
	508098510000	Push rod components			1150
	508098510041	Push rod components			1220
11	508098510038	Push rod kits	2	Fig. 2/23	800
	508098510006	Push rod kits			915
	508098510043	Push rod kits			1000
	508098510002	Push rod kits			1150
	508098510044	Push rod kits			1220

12	508098510004	Push rod fork components	2	Fig. 2/24	
13	910700200019	Bearing GB276-6204-2RS	8/4(Tandem/ single)	Fig. 3/4	
14	940300300005	Roller $\Phi$ 80x70(Steel core PU)	4(Tandem)	Fig. 3/5	
15	940300300023	Roller $\Phi$ 80x93(Steel core PU)	2(Single)	Fig. 3/10	
16	940500200003	Bushing (With shoulder) $\Phi$ 18x $\Phi$ 20x12-SF-1	4 (Tandem)	Fig. 3/11	
17	940500100012	Bushing $\Phi$ 20x $\Phi$ 22x12-SF-1	4	Fig. 3/12	
18	502398510014	Wheel set kits (single)	2	Fig. 3/13	
19	502398510003	Entry roller kits	2	Fig. 3/14	
20	502398510020	Roller kits (Tandem)	2	Fig. 3/15	
21	502398510017	Roller kits (single)	2	Fig. 3/16	
22	502398510019	Frame of roller components (75mm Tandem)	2	Fig. 3/17	Low profile
23	502398510002	Wheel set kits (Tandem)	2	Fig. 3/18	
24	910700200058	Bearing GB276-6013-2RS	1	Fig. 4/4	
25	910700600044	Bearing GB297-32913	1	Fig. 4/6	
26	910800800003	Circlip 12.7x9.8x1.25	1	Fig. 6/5	
27	910800100001	O ring	1	Fig. 6/6	9.5x1. .8
28	910800100098	O ring	1	Fig. 6/7	13.5x1 .8
29	508598510005	Sealing components	1	Fig. 6/10	
30	508598510004	Sealing components	1	Fig. 6/11	
31	508598520003	O ring	1	Fig. 7/6	67.95x 2.62
32	910800100063	O ring 21.2x1.8	1	Fig. 7/7	21.2x1 .8
33	910800100098	O ring 13.5x1.8	1	Fig. 7/20	13.5x1 .8
34	910800100098	O ring	1	Fig. 8/7	13.5x1 .8
35	910700200018	Bearing GB276-6203-2RS	2	Fig. 9/3	
36	940300300017	Wheel $\Phi$ 80x30(steel core PU)	1	Fig. 9/4	



37	508016510000	Side roller components $\Phi$ 80x30(PU)	1	Fig. 9/5	
38	502398510015	Roller components	1	Fig. 9/6	
39	502398510016	Spring components	1	Fig. 9/7	
40	940500200001	Bushing (With shoulder) $\Phi$ 15x $\Phi$ 17x9-SF-1	2	Fig. 11/12	
41	920100200007	70A fuse	1	Fig. 14/2	ATM7 0A DC80 V