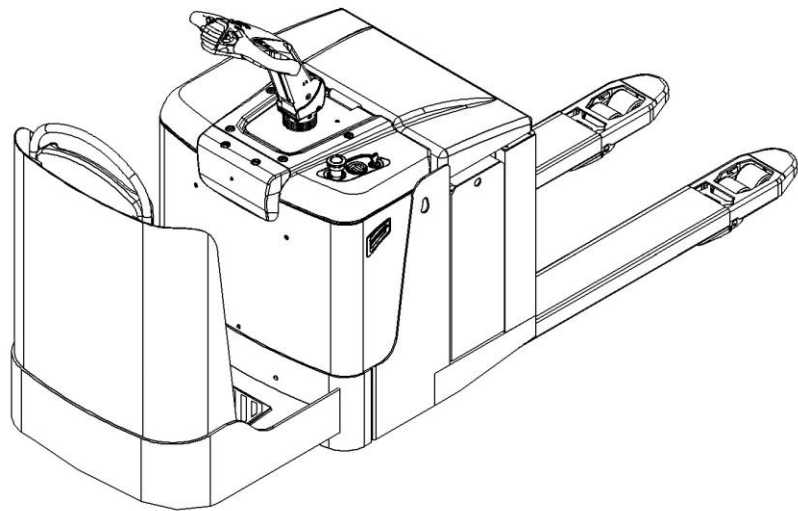
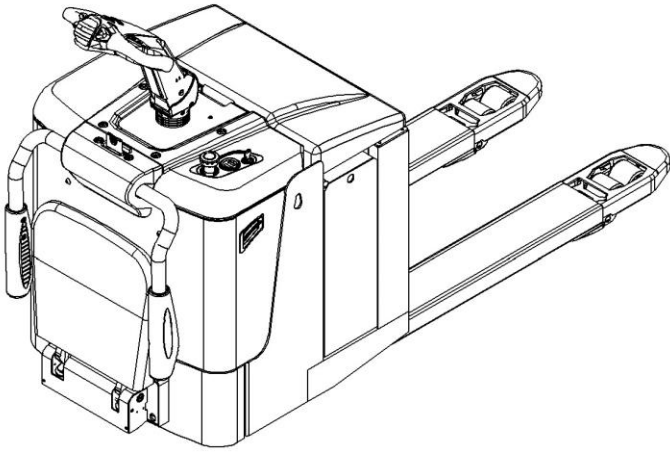


# SPAREPARTS LIST

## Electric Pallet Truck PT 20/25/30/36PLUS



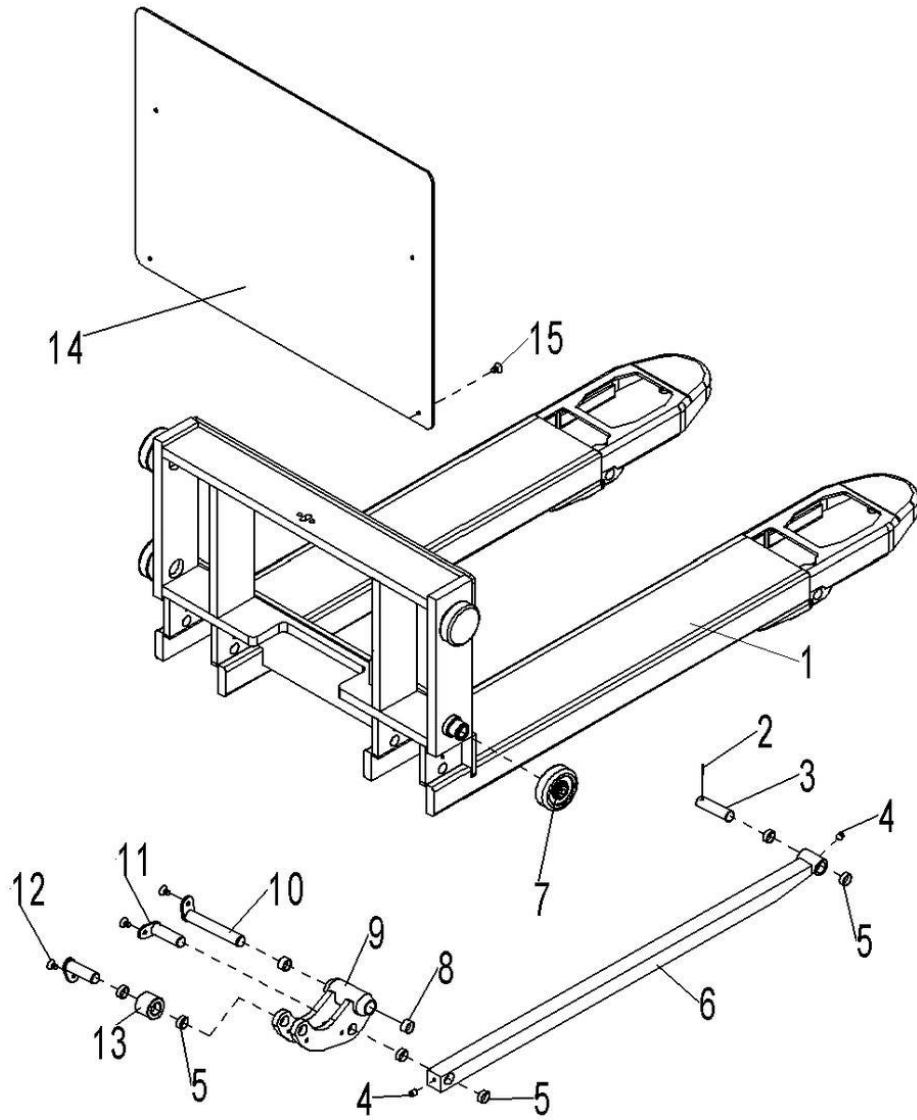
Version 12/2019

PT 20/25/30/36PLUS-BPT-004-EN

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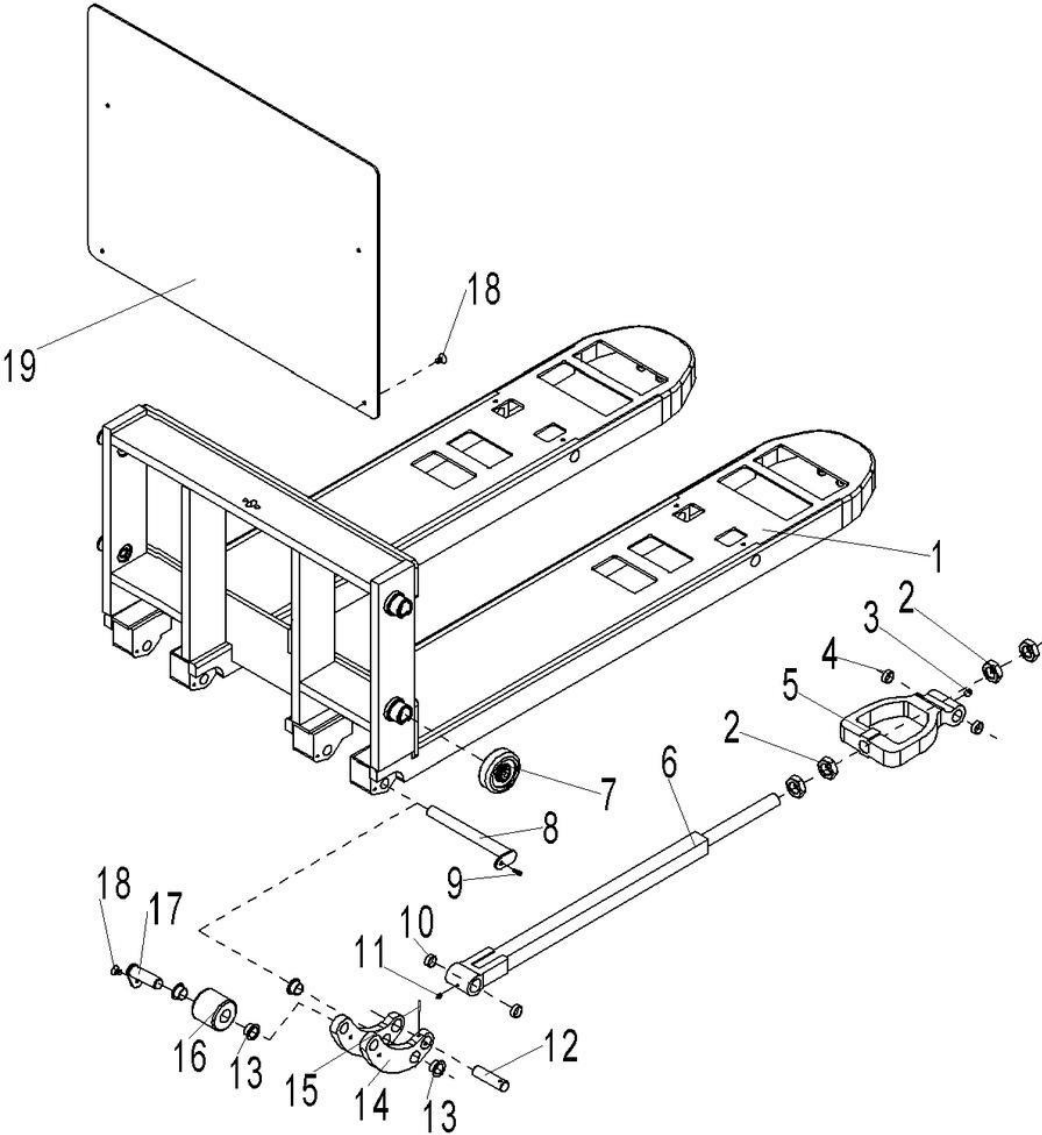
Fig.1 Fork frame



**Fig.1 Fork Frame**

No.	Art No.	New code	Description	Qty.	Note
1	505738510001	505738510001	Fork frame	1	560x1150
	505738510003	505738510003	Fork frame		685x1150
		505738510004	Fork frame		PT30PLUS
2	0090000745	910600500004	Spring cotter	2	5X35
3	9000008055	505638520037	Push rod shaft	2	
4	0000030001	911200100001	Grease nipple	4	M6
5	0000027005	940500100012	Bushing	16	20x22x12
6	505738510002	505738510002	Push rod	2	
		505738510005	Push rod	2	
7	2330511001	940200300007	Roller	4	
8	1000413001	940500100017	Bushing	4	20x23x15
9	9000008630	565938520021	Rock arm	2	
10	9000008464	565938510002	Fixing shaft	2	
11	9000008465	565938510003	Fixing shaft	4	
12	0000023053	910200200033	Screw	6	M6x12
13	9000008631	565938520023	Roller	2	
14	505738520012	505738520012	Sealing plate	1	
15	0000023394	910200400015	Screw	4	M6x10

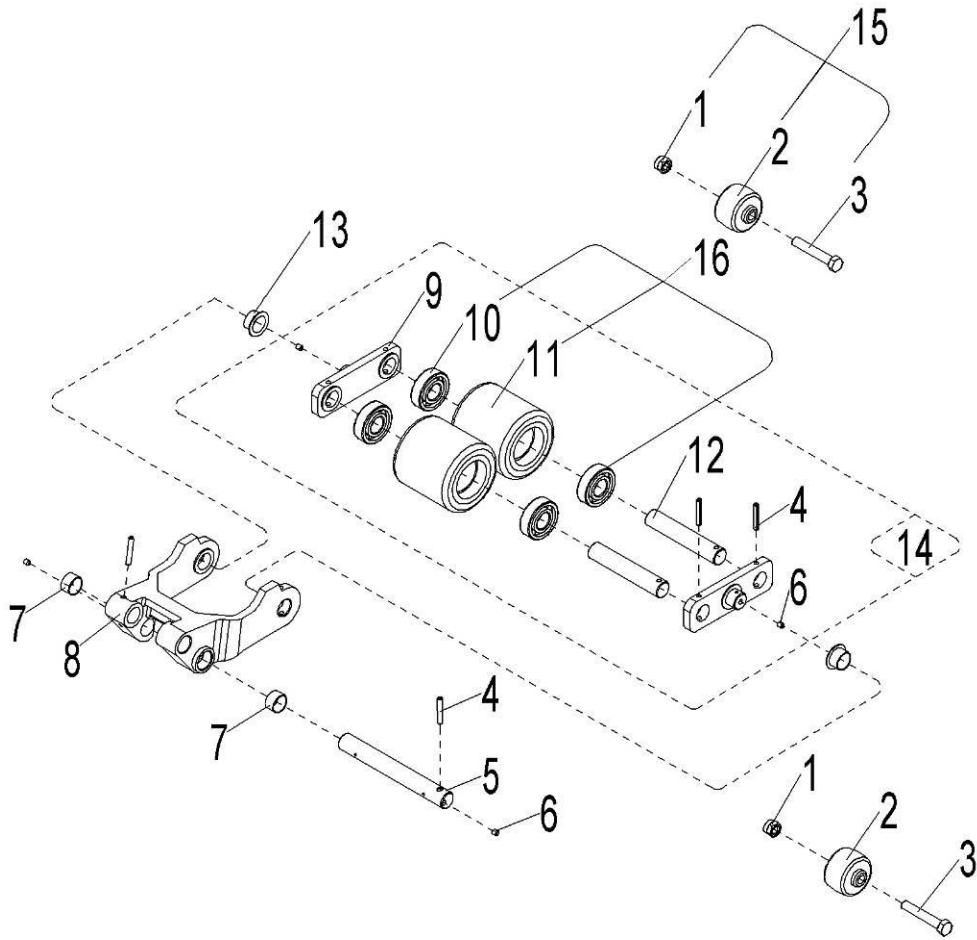
Fig.1a Fork frame (PT36PLUS)



**Fig.1a Fork frame (PT36PLUS)**

No.	Art No.	New code	Description	Qty.	Note
1	506038510001	506038510001	Fork frame	1	685x1220
2	0090000033	910300400011	Nut	8	M24x2
3	0000030001	911200100001	Grease nipple	2	6
4	9000008262	940500100018	Bushing	4	20X23X15
5	9000010063	506238520031	Adjusting block	2	
6	506038510002	506038510002	Pull rod	2	
7	2330511001	940200300007	Roller	4	
8	506038510004	506038510004	shaft	2	
9	0000023053	910200200033	Screw	6	M6x12
10	9000009834	940500100026	Bushing	4	25X28X15
11	0000030002	911200100002	Grease nipple	2	M6
12	506038520012	506038520012	shaft	2	
13	9000007799	940500200008	Bushing	8	20X23X16.5
14	506038510005	506038510005	Rock arm	2	
15	0090000745	910600500004	Pin	2	5X35
16	506038520013	506038520013	Roller	2	
17	506038510003	506038510003	Fixing shaft	2	
18	505738520012	505738520012	Sealing plate	1	
19	0000023394	910200400015	Screw	6	M6x10

**Fig.2 Load wheel assembly**

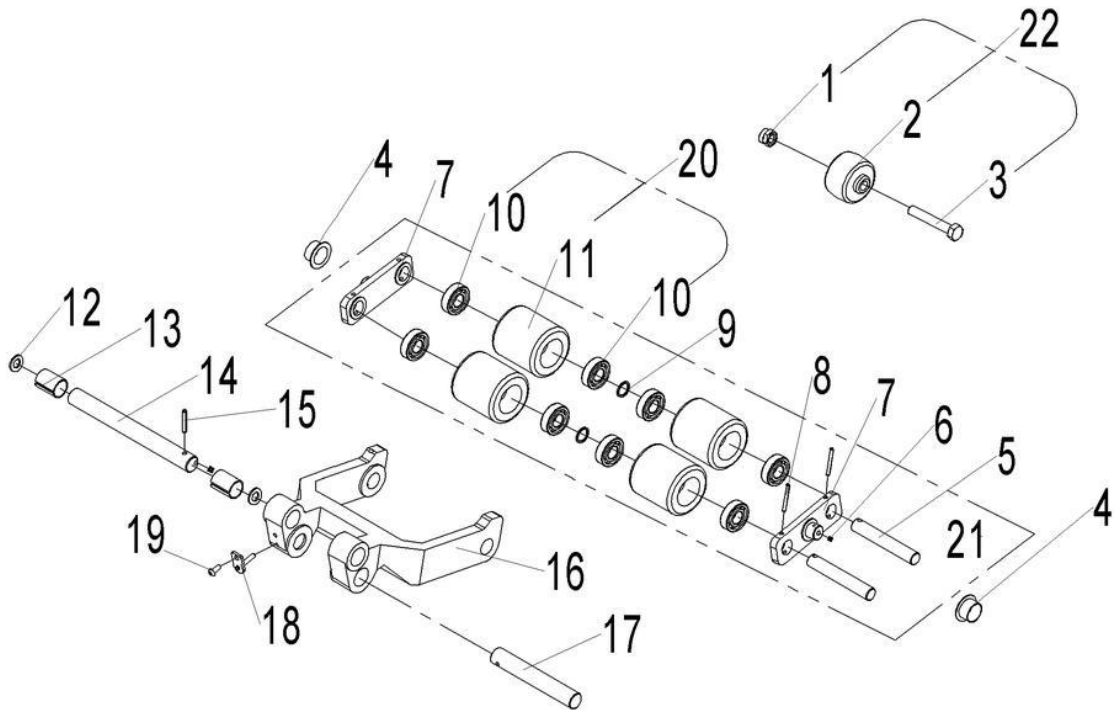


**Fig.2 Load Wheel Assembly**

No.	Art No.	New code	Description	Qty.	Note
1	0000023005	910300500005	Lock nut	2	M10
2	1000516001	505638520039	Entry roller	2	
3	0000023004	910100100035	Bolt	2	M10x60
4	0090000745	910600500004	Spring cotter	6	5X35
5	9000008056	505638520038	Shaft	2	
6	0000030001	911200100001	Grease nipple	2	6
7	0000027005	940500100012	Bushing	4	20x22x12
8	9000008054	505638520036	Lever block	2	
9	9000008077	505617020001	Linking plate	4	
10	0000027001	910700200019	Bearing	8	6204
11	9000008791	940300300010	Load wheel	4	84x84
	9000008792	940300300008	Load wheel	4	82x82
12	9000008076	505617020000	Spindle	4	
13	9000002333	940500200003	Bushing	4	18x20x12
14	9000008913	505617001000	Load wheel assembly	2	
15	9000010400	502398510003	Entry roller kits	2	
16	9000010421	505698510003	Wheel set kits	4	
	9000010037	505698510014	Wheel set kits	4	



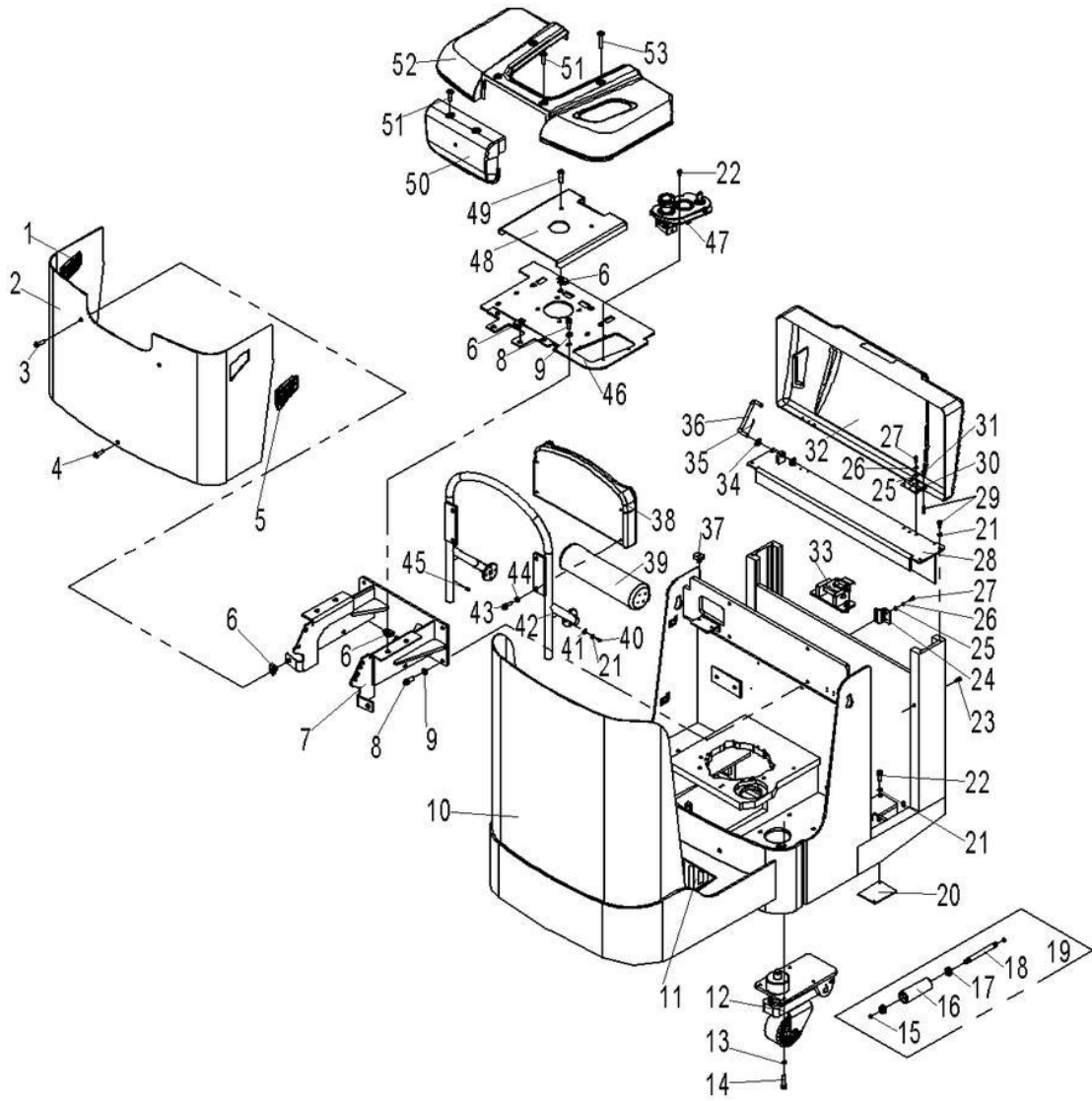
Fig.2a Load wheel assembly (PT36PLUS)



**Fig.2a Load wheel assembly (PT36PLUS)**

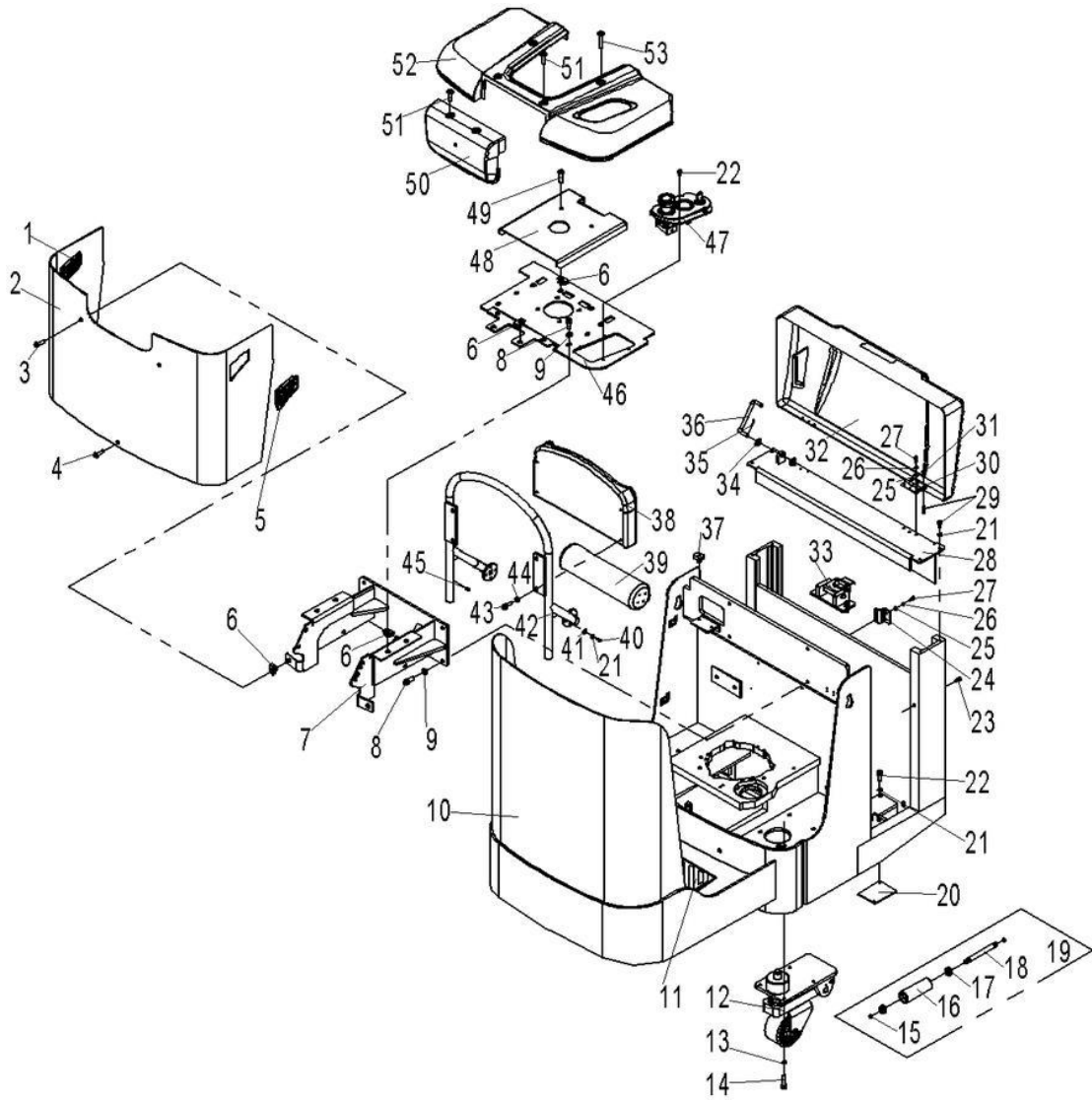
No.	Art No.	New code	Description	Qty.	Note
1	0000023005	910300500005	Nut	2	M10
2	1000516001	505638520039	Roller	2	
3	0000023004	910100100035	Bolt	2	M10x60
4	9000007799	940500200008	Bushing	4	20X23X16.5
5	9000010088	506317020000	Shaft for wheel	4	
6	0000030001	911200100001	Grease nipple	2	6
7	9000008513	565917020000	Linking plate	4	
8	0090000769	910600500005	Roll pin	4	5x40
9	1000525001	940600500014	Washer	4	
10	0000027001	910700200019	Bearing	16	6204
11	9000008790	940300300007	Load roller	8	82X70
12	9000010076	506238520030	Washer	4	
13	9000010034	940500100020	Bushing	4	20X23X20
14	9000010077	506238520025	Linking shaft	2	
15	0090000745	910600500004	Roll pin	4	5x35
16	9000010151	506338520016	Frame for load roller	2	
17	9000010066	506238520026	Linking shaft	2	
18	9000010064	506238510004	Fixed block	2	
19	0000023126	910200300012	Screw	2	M5x12
20	9000010074	506298510008	Wheel set kit	8	
21	9000010087	506317001000	Load roller	2	
22	9000010400	502398510003	Entry roller kit	2	

**Fig.3 Truck body(Fixed)**



**Fig.3 Truck Body(Fixed)**

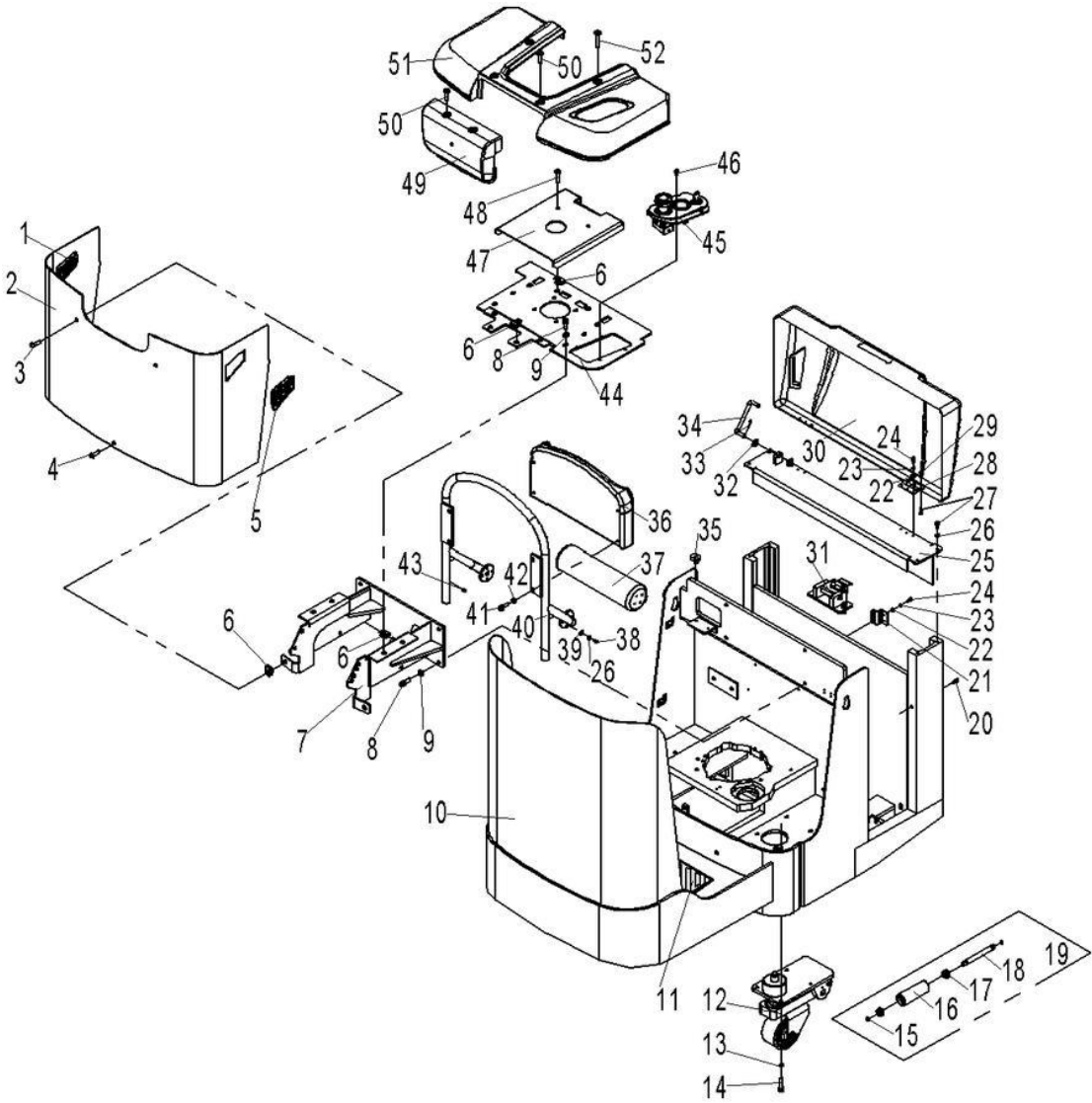
No.	Art No.	New code	Description	Qty.	Note
1	9000007920	505621510003	Left vents	1	
2	9000008732	505921510005	Main cover	1	
3	1000423003	941100100004	Screw	2	M10x30
4	2000423001	941100100005	Screw	1	M10x15
5	9000007923	505621510004	Right vents	1	
6	9000007783	940400400003	Nut	14	M10
7	505721510004	505721510004	Fixing plate	1	
8	0000023088	910200200076	Screw	4	M10x25
9	0000023006	910400500007	Spring washer	4	10
10	505721510011	505721510011	Truck body	1	High
	505721510012	505721510012		1	High
11	9000007867	505618020018	Pedal pad	1	
12	9000008273	505917010001	Steering wheel	2	
13	0000023006	910400500007	Spring washer	8	10
14	0000023222	910100300036	Bolt	8	M10x25
15	0000026004	910401300006	Circlip	16	15
16	505721520033	505721520033	Rotary drum	8	
17	0000027060	910700200017	Bearing	16	6202
18	505721520032	505721520032	Shaft	8	
19	505721510003	505721510003	Roller assembly	8	
20	505721520030	505721520030	Adjusting washer	Some	
21	0000025010	910400500005	Spring washer	16	6
22	0000023053	910200200033	Screw	8	M6x12
23	0000023080	910200200074	Screw	2	M10x16
24	505721520031	505721520031	Fixing plate	1	
25	0000025014	910400100004	Flat washer	2	Lever C, 5
26	0000025015	910400500004	Spring washer	2	5
27	0000023076	910200200022	Screw	2	M5x12
28	505721510005	505721510005	Cover plate	1	
29	0000023555	910200300018	Screw	10	M6x16



**Fig.3 Truck Body(Fixed)**

No.	Art No.	New code	Description	Qty.	Note
30	940801400001	940801400001	Hinge	2	75x50
31	0000024007	910300500002	Lock nut	6	M5
32	505721010001	505721010001	Battery cover	1	
33	505721510006	505721510006	Battery holder	1	
34	0000025062	910400200004	Washer	4	10
35	0000025062	910600600030	Split pin	4	3.2x30
36	0090000014	560838520036	Support rod	1	
37	9000008340	505938520016	Buffer rubber	2	
38	9000008485	565921520013	Backrest	1	
39	9000008486	565921520017	Seat pad	1	
40	0000023020	910200200036	Screw	8	M6x20
41	0000023055	910400100005	Flat washer	8	6
42	9000008483	565921510002	Connection	1	
43	0000023455	910200200060	Screw	4	M8x35
44	0000025001	910400500006	Spring washer	2	5
45	0000023167	910200800019	Lock screw	2	M8x12
46	505721520039	505721520039	Top plate	1	
47	9000007940	505610001001	Instrument	1	
		206010001001	Instrument	1	
48	505721510002	505721510002	Middle cover	1	
49	9000007792	941100100006	Screw	2	M10x45
50	9000008064	505621520043	Arm cover without protective	1	
51	9000007791	941100100003	Screw	4	M10x35
52	9000008286	505921520032	Top cover	1	
53	9000007790	941100100002	Screw	2	M10x55

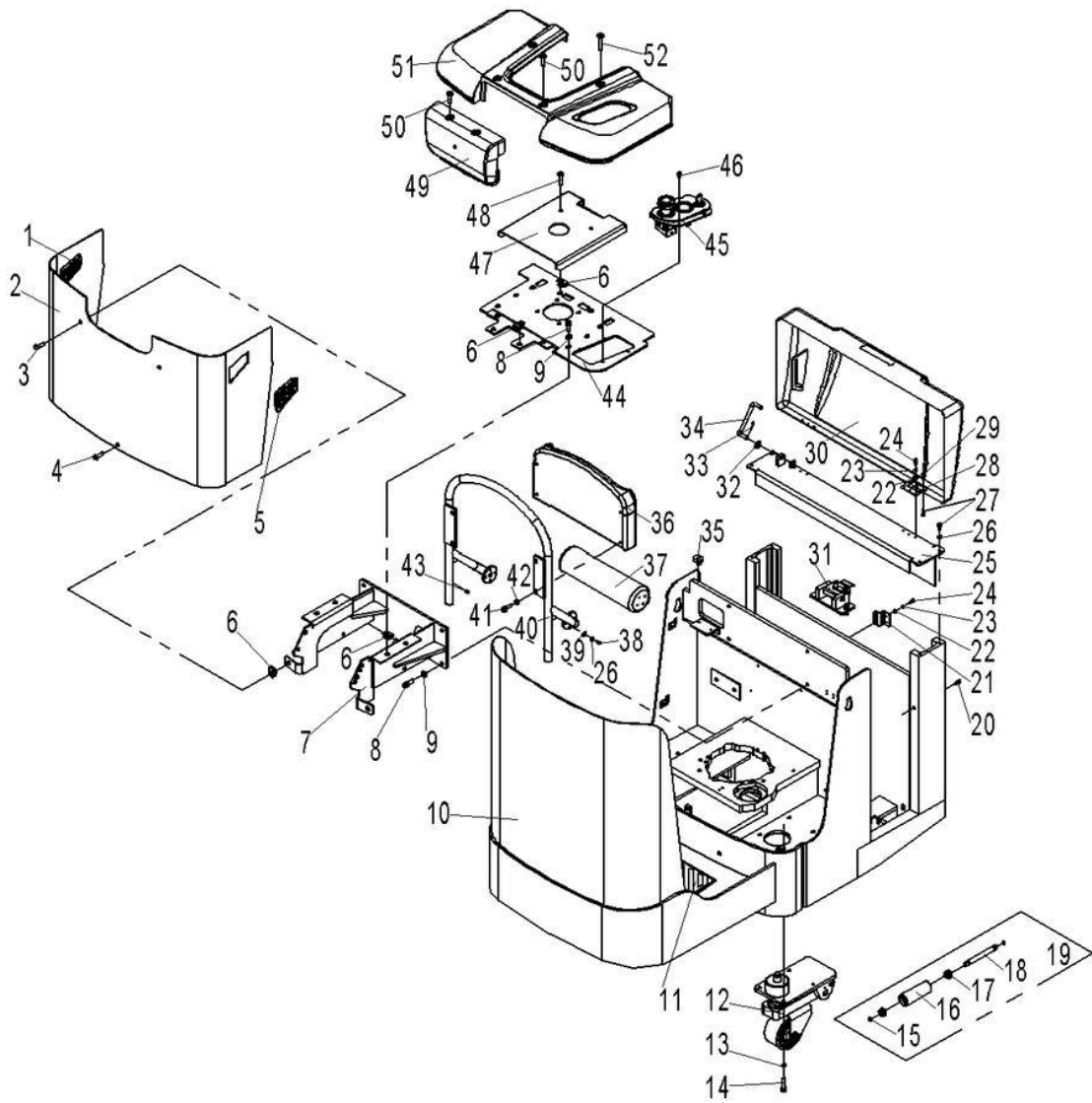
Fig.3a Truck Body(PT36PLUS Fixed)



**Fig.3a Truck Body(PT36PLUS Fixed)**

No.	Art No.	New code	Description	Qty.	Note
1	9000007920	505621510003	Left vents	1	
2	9000008732	505921510005	Main cover	1	
3	1000423003	941100100004	Screw	2	M10x30
4	2000423001	941100100005	Screw	1	M10x15
5	9000007923	505621510004	Right vents	1	
6	9000007783	940400400003	Nut	14	M10
7	505721510004	505721510004	Fixing plate	1	
8	0000023088	910200200076	Screw	4	M10x25
9	0000023006	910400500007	Spring washer	4	10
10	506021510001	506021510001	Truck body	1	685
11	9000007867	505618020018	Pedal pad	1	
12	9000008273	505917010001	Steering wheel	2	
13	0000023006	910400500007	Spring washer	8	10
14	0000023222	910100300036	Bolt	8	M10x25
15	0000026004	910401300006	Circlip	12	15
16	505721520033	505721520033	Rotary drum	6	
17	0000027060	910700200017	Bearing	12	6202
18	505721520032	505721520032	Shaft	6	
19	505721510003	505721510003	Roller assembly	6	
20	0000023080	910200200074	Screw	2	M10x16
21	505721520031	505721520031	Fixing plate	1	
22	0000025014	910400100004	Flat washer	2	C 级 5
23	0000025015	910400500004	Spring washer	2	5
24	0000023076	910200200022	Screw	2	M5x12
25	506021510002	506021510002	Cover plate	1	
26	0000025010	910400500005	Spring washer	12	6
27	0000023555	910200300018	Screw	10	M6x16
28	940801400001	940801400001	Hinge	2	75x50
29	0000024007	910300500002	Lock nut	6	M5
30	505721010001	505721010001	Battery cover	1	
31	505721510006	505721510006	Battery holder	1	

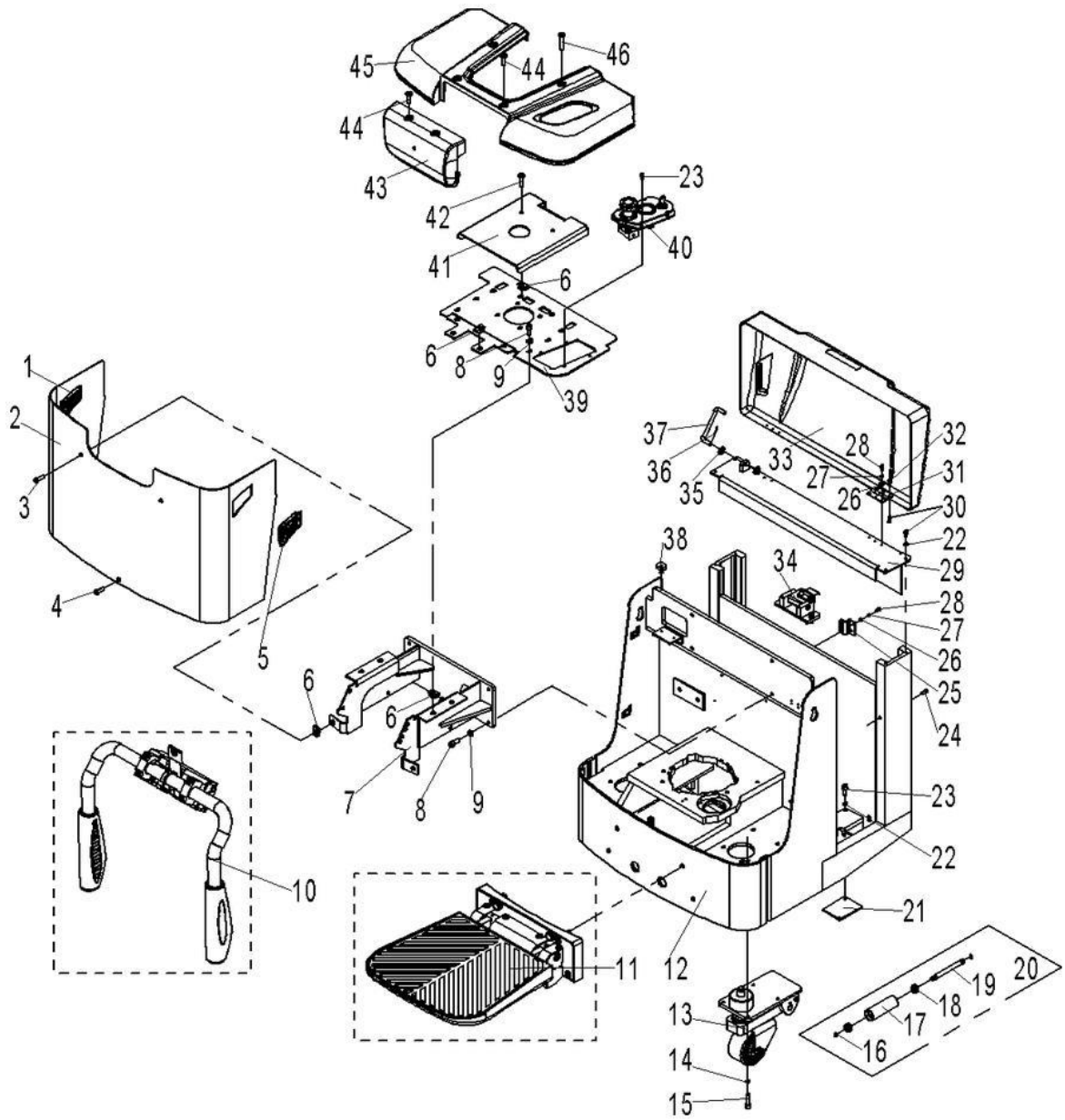




**Fig.3a Truck Body(PT36PLUS Fixed)**

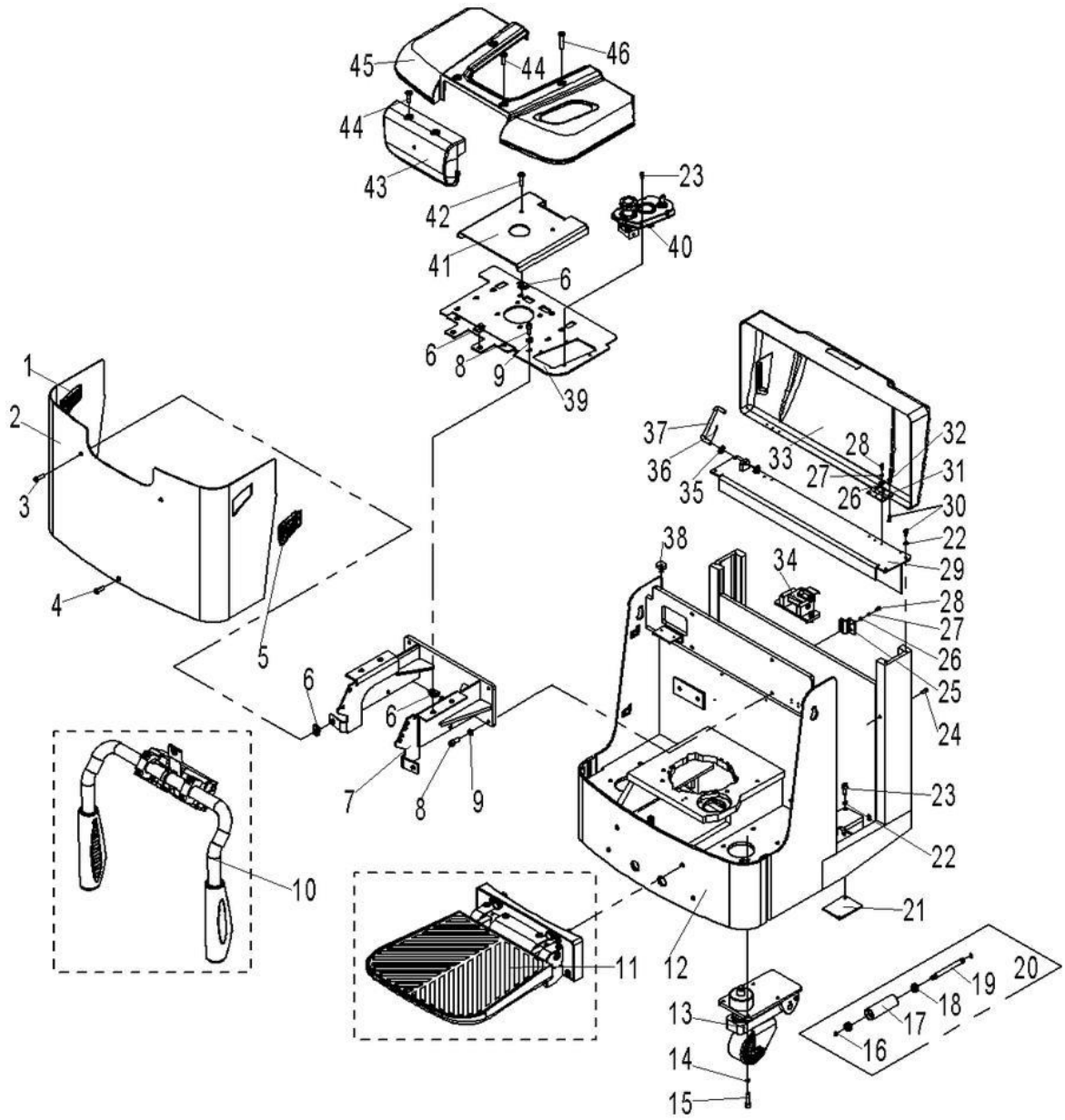
No.	Art No.	New code	Description	Qty.	Note
32	0000025062	910400200004	Washer	4	10
33	0000025062	910600600030	Split pin	4	3.2x30
34	0090000014	560838520036	Support rod	1	
35	9000008340	505938520016	Buffer rubber	2	
36	9000008485	565921520013	Backrest	1	
37	9000008486	565921520017	Seat pad	1	
38	0000023020	910200200036	Screw	8	M6x20
39	0000023055	910400100005	Flat washer	8	6
40	9000008483	565921510002	Connection	1	
41	0000023455	910200200060	Screw	4	M8x35
42	0000025001	910400500006	Spring washer	4	8
43	0000023167	910200800019	Lock screw	2	M8x12
44	505721520039	505721520039	Top plate	1	
45		505610001001	Instrument	1	
46	0000023053	910200200033	Screw	4	M6x12
47	505721510002	505721510002	Middle cover	1	
48	9000007792	941100100006	Screw	2	M10x45
49	9000008064	505621520043	Arm cover without	1	
50	9000007791	941100100003	Screw	4	M10x35
51	9000008286	505921520032	Top cover	1	
52	9000007790	941100100002	Screw	2	M10x55

Fig.4 Truck body(Foldable)



**Fig.4 Truck Body(Foldable)**

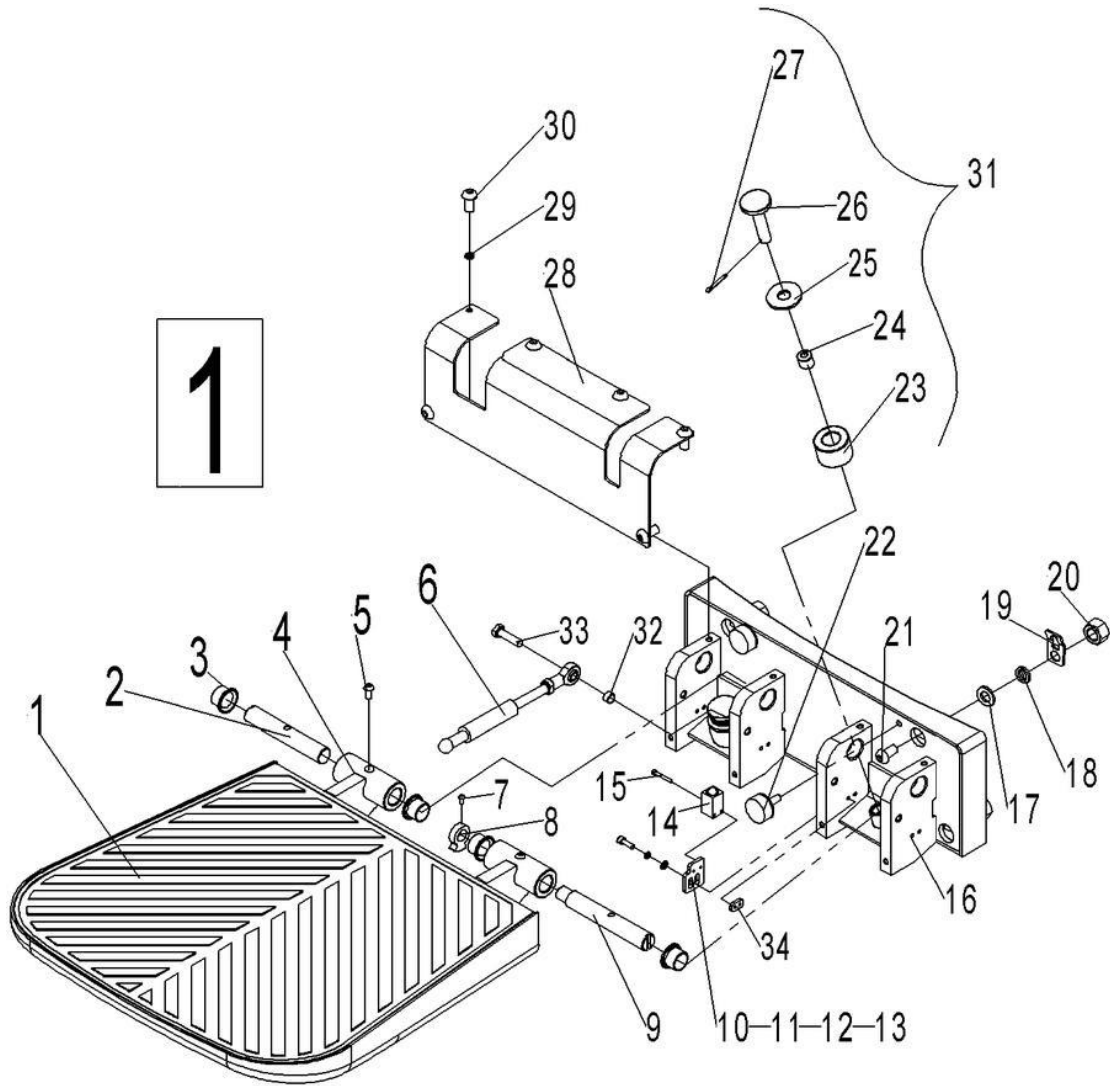
No.	Art No.	New code	Description	Qty.	Note
1	9000007920	505621510003	Left vents	1	
2	9000008732	505921510005	Main cover	1	
3	1000423003	941100100004	Screw	2	M10x30
4	2000423001	941100100005	Screw	1	M10x15
5	9000007923	505621510004	Right vents	1	
6	9000007783	940400400003	Nut	14	M10
7	505721510004	505721510004	Fixing plate	1	
8	0000023088	910200200076	Screw	4	M10x25
9	0000023006	910400500007	Spring washer	4	10
10	9000007891	505617501000	Protective arm	1	
11	9000007862	505618001000	Pedal assembly	1	
12	505721510015	505721510015	Truck body	1	560
	505721510016	505721510016		1	685
13	9000008273	505917010001	Steering wheel	2	
14	0000023006	910400500007	Spring washer	8	10
15	0000023222	910100300036	Bolt	8	M10x25
16	0000026004	910401300006	Circlip	16	15
17	505721520033	505721520033	Rotary drum	8	
18	0000027060	910700200017	Bearing	16	6202
19	505721520032	505721520032	Shaft	8	
20	505721510003	505721510003	Roller assembly	8	
21	505721520003	505721520003	Adjusting washer	Some	
22	0000025010	910400500005	Spring washer	16	6
23	0000023053	910200200033	Screw	8	M6x12
24	0000023080	910200200074	Screw	2	M10x16
25	505721520031	505721520031	Fixing plate	1	
26	0000025014	910400100004	Flat washer	2	Lever C, 5
27	0000025015	910400500004	Spring washer	2	5
28	0000023076	910200200022	Screw	2	M5x12
29	505721510005	505721510005	Cover plate	1	



**Fig.4 Truck Body(Foldable)**

No.	Art No.	New code	Description	Qty.	Note
30	0000023555	910200300018	Screw	10	M6x16
31	940801400001	940801400001	Hinge	2	75x50
32	0000024007	910300500002	Lock nut	6	M5
33	505721010001	505721010001	Battery cover	1	
34	505721510006	505721510006	Battery holder	1	
35	0000025062	910400200004	Washer	4	10
36	0000025062	910600600030	Split pin	4	3.2x30
37	0090000014	560838520036	Support rod	1	
38	9000008340	505938520016	Buffer rubber	2	
39	505721520039	505721520039	Top plate	1	
40	9000007940	505610001001	Instrument	1	
		206010001001	Instrument	1	
41	505721510002	505721510002	Middle cover	1	
42	9000007792	941100100006	Screw	2	M10x45
43	9000008064	505621520043	Arm cover without protective	1	
44	9000007791	941100100003	Screw	4	M10x35
45	9000008286	505921520032	Top cover	1	
46	9000007790	941100100002	Screw	2	M10x55

Fig.5 Foldable platform

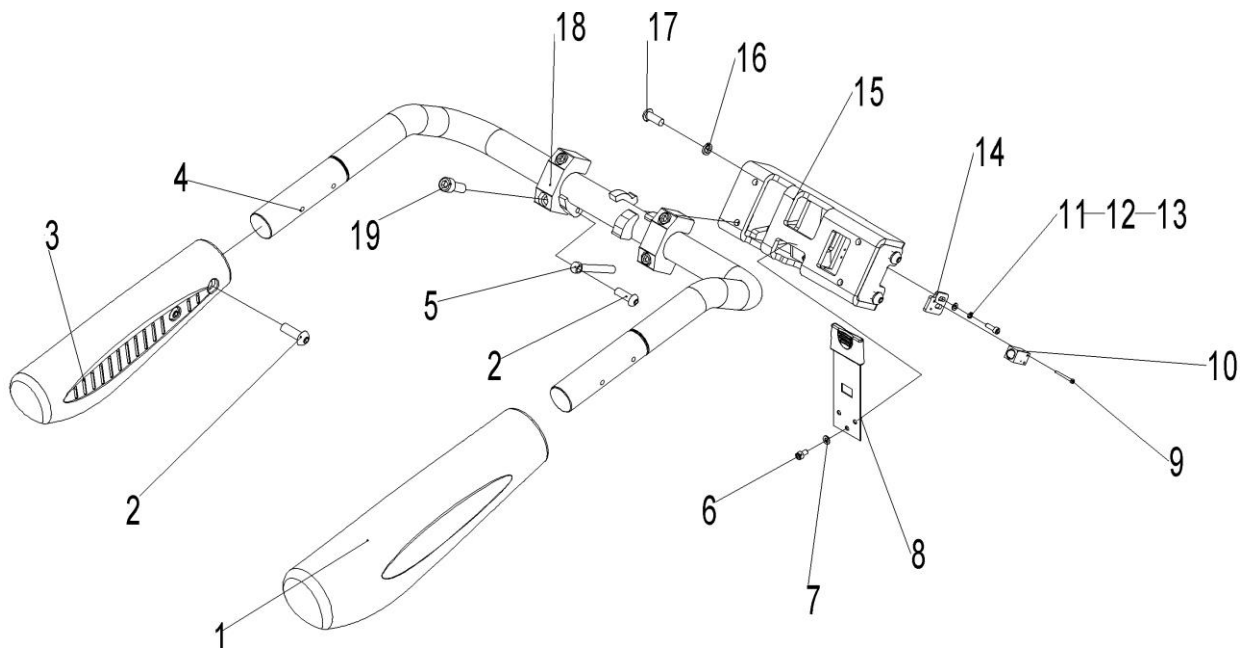


**Fig. 5 Foldable Platform**

No.	Art No.	New code	Description	Qty.	Note
1	9000007867	505618020018	Rubber pad	1	
2	9000007869	505618020020	Rotate axle	1	
3	9000007799	940500200008	Bushing	4	
4	9000007863	505618010000	Platform welding	1	
5	0000023555	910200300018	Screw	2	
6	2000421001	940400100008	Air pring	1	
7	0000024014	910300400006	Nut	1	
8	9000007873	505618020024	Cam	1	
9	9000007866	505618020017	Fixing axle	1	
10	0000025012	910400500004	Spring washer	2	
11	0000023032	910400100004	Washer	2	
12	0000023107	910200200023	Screw	2	
13	9000009799	505618020026	Mounting plate (switch)	1	
14	0000023075	910200500015	Screw	2	
15	9000008328	505633510002	Proximity switch	1	
16	9000007864	505618010001	Mounting base welding	1	
17	0090000048	910400100008	Washer	4	
18	0000025024	910400500008	Spring washer	4	
19	9000007874	505618020025	Cable plate	1	
20	0000024006	910300500006	Nut	4	
21	0090000450	910200200100	Screw	4	
22	9000007865	505618020016	Damping pad	2	
23	9000007872	505618020023	Damping pad	2	
24	9000007871	505618020022	Damping pad	2	
25		505618020030	Spacer	2	
26	9000007870	505618020021	Fixing bolt	2	
27	0000028033	910600600026	Split pin	2	
28	9000007868	505618020019	Protective cover (Mounting base )	1	
29	0000025010	910400500005	Spring washer	6	6
30	0000023045	910200300017	Screw	6	
31	9000008897	505698510002	Anti-vibration components	2	
32		505618020028	Spacer	1	
33		910100300024	Screw	1	
34		505618020027	Mounting plate	1	



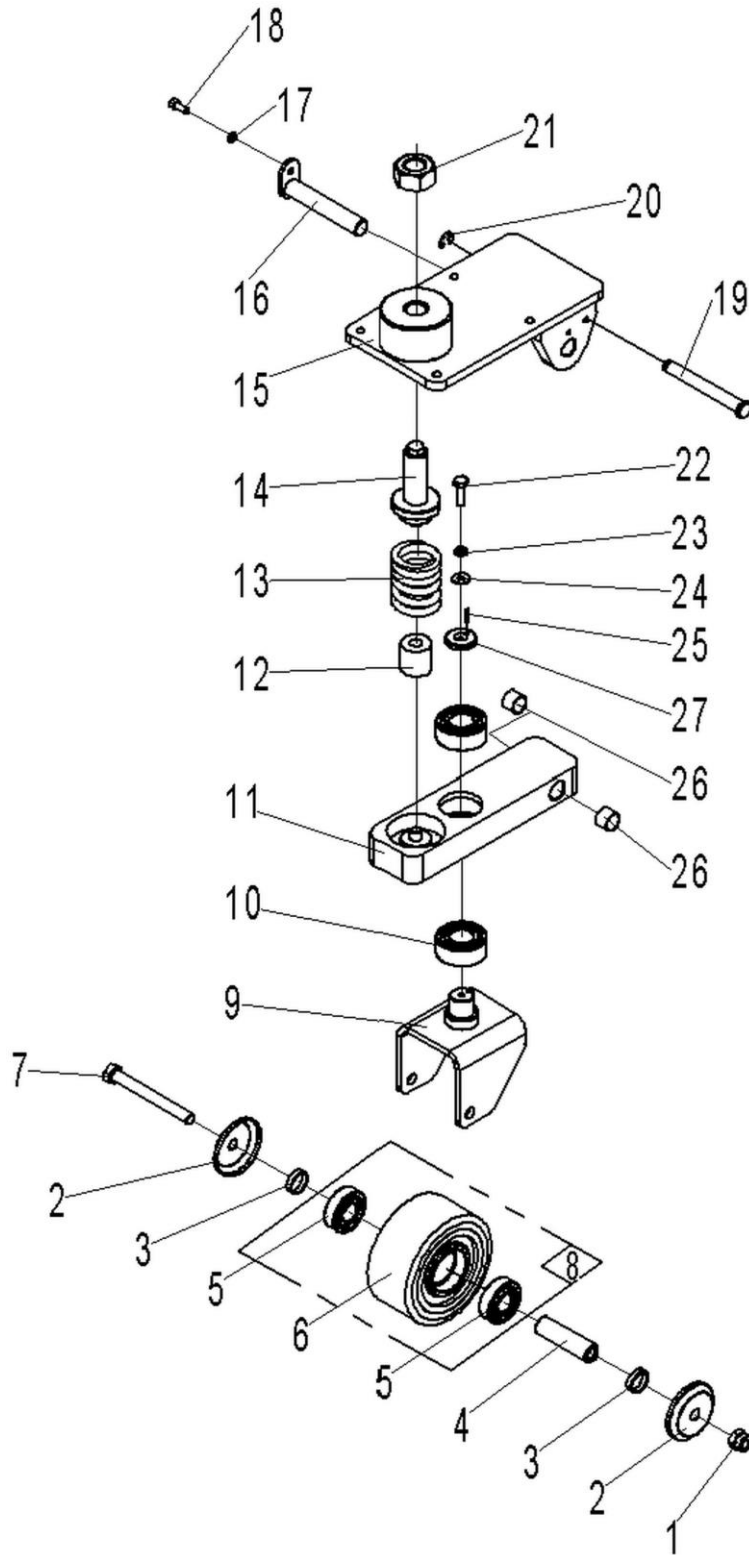
Fig.6 Protective arm



**Fig. 6 Protective Arm**

No.	Art No.	New code	Description	Qty.	Note
1	9000007895	505617510002	Protective arm bushing 2	1	
2	0090000448	910200300025	Screw	5	
3	9000007896	505617510004	Protective arm bushing 1	1	
4	9000007894	505617510001	Protective arm welding	1	
5	9000007780	940400100006	Air pring	1	
6	0000023045	910200300017	Screw	3	
7	0000025010	910400500005	Spring washer	3	
8	9000007897	505617510005	Locating plate	1	
9	0000023075	910200500015	Screw	2	
10	9000008329	505633510001	Proximity switch	1	
11	0000025012	910400500004	Spring washer	2	
12	0000023032	910400100004	Washer	2	
13	0000023107	910200200023	Screw	2	
14	9000009799	505618020026	Mounting plate (switch)	1	
15	9000007892	505617510000	Protective arm base welding	1	
16	0000023006	910400500007	Spring washer	4	
17	0090000447	910100300036	Bolt	4	
18	9000007893	505617520005	Block	2	
19	0000023099	910200200080	Screw	4	

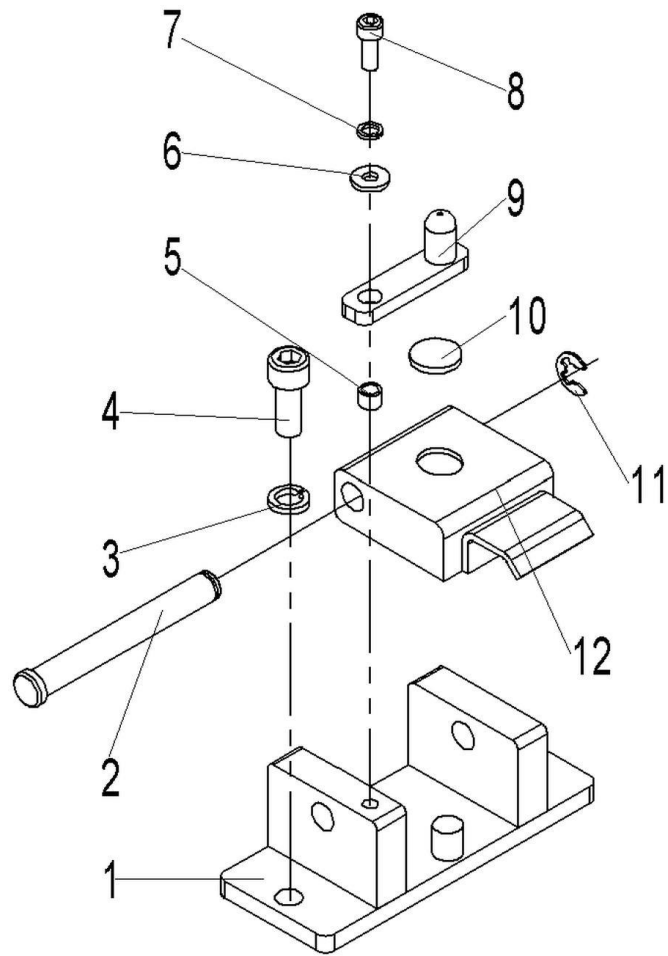
Fig.7 Steering wheel assembly



**Fig.7 Steering Wheel Assembly**

No.	Art No.	New code	Description	Qty.	Note
1	0000024085	910300500006	Lock nut	1	M12
2	9000008279	505916520010	Dust cover	2	
3	1000425003	505616520012	Washer	2	SL20.2.3-8
4	9000008278	505916520009	Bearing bush	1	
5	0000027001	910700200019	Bearing	2	6204
6	2020416001	940300300019	Castor	1	124x60
7	0000023336	910100100058	Bolt	1	M12x110
8	9000003638	532698510004	Wheel kits	1	
9	9000008277	505916510003	Wheel support	1	
10	0000027069	910700600001	Bearing	1	30205
11	9000008276	505916510002	Rotating arm	1	
12	1000419001	505616520000	PU spring	1	LPT20.2.3-1
13	1000431001	940400500007	Compression	1	LPT20.2.3-2A
14	9000008274	505916520001	Adjusting bolt	1	
15	9000008275	505916510001	Bottom plate	1	
16	9000008280	505916510004	Fixing shaft	1	
17	0000025010	910400500005	Spring washer	1	6
18	0000023040	910200200035	Screw	1	M6x16
19	9000010036	505916520011	Limit shaft	1	
20	0000026079	910401700003	Split washer	1	9
21	0000024072	910300200010	Nut	1	
22	0000023116	910100300022	Bolt	1	M8x20
23	0000025001	910400500006	Washer	1	8
24	0000025005	910400100006	Washer	1	8
25	0000028004	910600100004	Cylindrical pin	1	4x14
26	9000007795	940500100010	Bushing	2	18x20x15
27		505916520014	Closing ring	1	

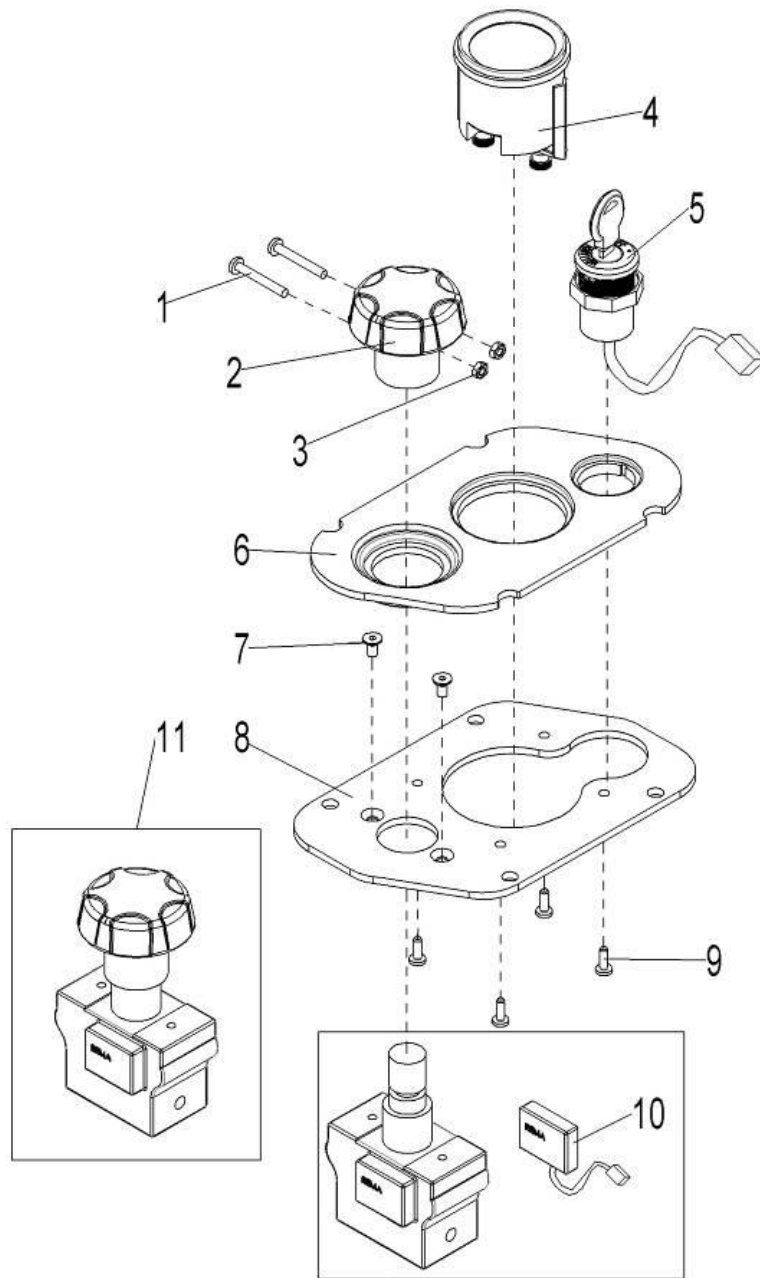
**Fig.8 Battery holder assembly**



**Fig.8 Battery Holder Assembly**

No.	Art No.	New code	Description	Qty.	Note
1	505721510007	505721510007	Battery holder	1	
2	505721520051	505721520051	Limit shaft	1	
3	0000023006	910400500007	Spring washer	4	10
4	0000023088	910200200076	Screw	4	M10x25
5	505721520053	505721520053	Bearing bush	1	
6	505721520052	505721520052	Washer	1	
7	0000025010	910400500005	Spring washer 6	1	
8	0000023040	910200200035	Screw	1	M6x1
9	505721510008	505721510008	Battery baffle	1	
10	2000435002	940600100001	Magnetic steel	1	
11	0000026079	910401700003	Split washer 9	1	
12	505721510009	505721510009	Limit block	1	

**Fig.9 Instrument assembly**

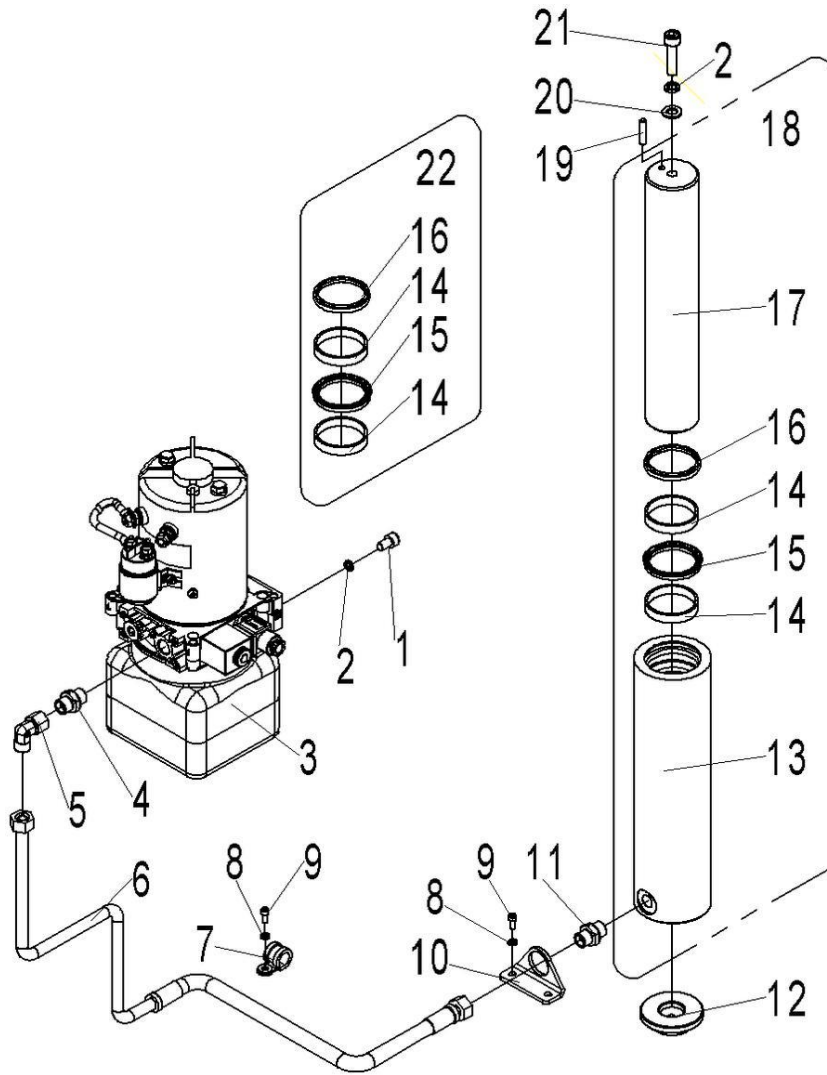


**Fig.9 Instrument Assembly**

No.	Art No.	New code	Description	Qty.	Note
1	0000023685	910200500016	Screw	2	M3x25
2	9000008516	505698520029	Buttom	1	ZDK32-350
3	0000024002	910300100002	Nut	2	M3
4	9000016582	910400100003	Instrument	1	
	9000000760	921100100012	Instrument	1	MDI CAN
5	9000010241	505634010000	Key switch	1	LKS-101A
6	9000007938	505610020000	Panel	1	
7	0000023215	910200400010	Screw	2	M5x10
8	9000007939	505610020001	Fixing plate	1	
9	0090000272	910201300001	Lock screw	4	M4x12
10	9000008517	505698520030	DC power switch-micro switch	1	
11	9000008515	920200100001	DC power switch	1	ZDK32-350



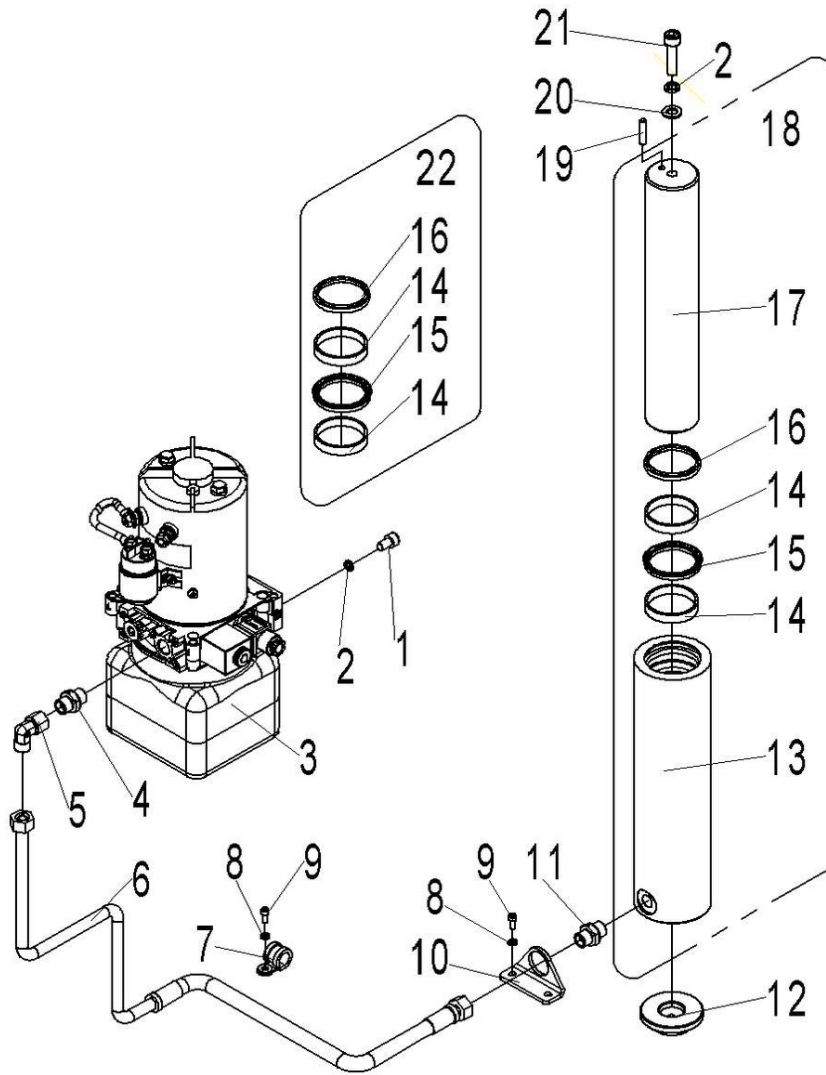
Fig.10 Hydraulic system



**Fig.10 Hydraulic System**

No.	Art No.	New code	Description	Qty.	Note
1	0000023034	910200200075	Screw	2	M10x20
2	0000023006	910400500007	Spring washer	3	10
3	950900100024	950900100024	DC hydraulic pump	1	
4	9000007832	950400300007	Straight pipe joint	1	
5	9000007838	950400200003	Connecting elbow	1	
6	505724020004	505724020004	Special pipe	1	
7	9000008324	951000100003	Clip with rubber	1	YGE
8	0000025010	910400500005	Spring washer	4	6
9	0000023053	910200200033	Screw	4	M6x12
10	1020404005	505621520027	Cylinder locating	1	
11	9000007842	950400400003	Straight pipe joint	1	
12	9000008221	505621520035	Cylinder base	1	
13	505724010002	505724010002	Cylinder body	1	
14	505798520001	505798520001	Support ring	2	50x55x9.7
15	505798520002	505798520002	Y seal ring	1	50x60x6/7
16	505798520003	505798520003	Dust ring	1	50x58x5/6.5
17	505724020003	505724020003	Piston rod	1	
18	505724010001	505724010001	Cylinder assembly	1	
19	0000028027	910600100016	Cylindrical pin	1	6x30
20	0000025002	910400100007	Flat washer	1	10
21	0000023025	910200200079	Screw	1	M10x40
22	505798510001	505798510001	Seal kits	1	

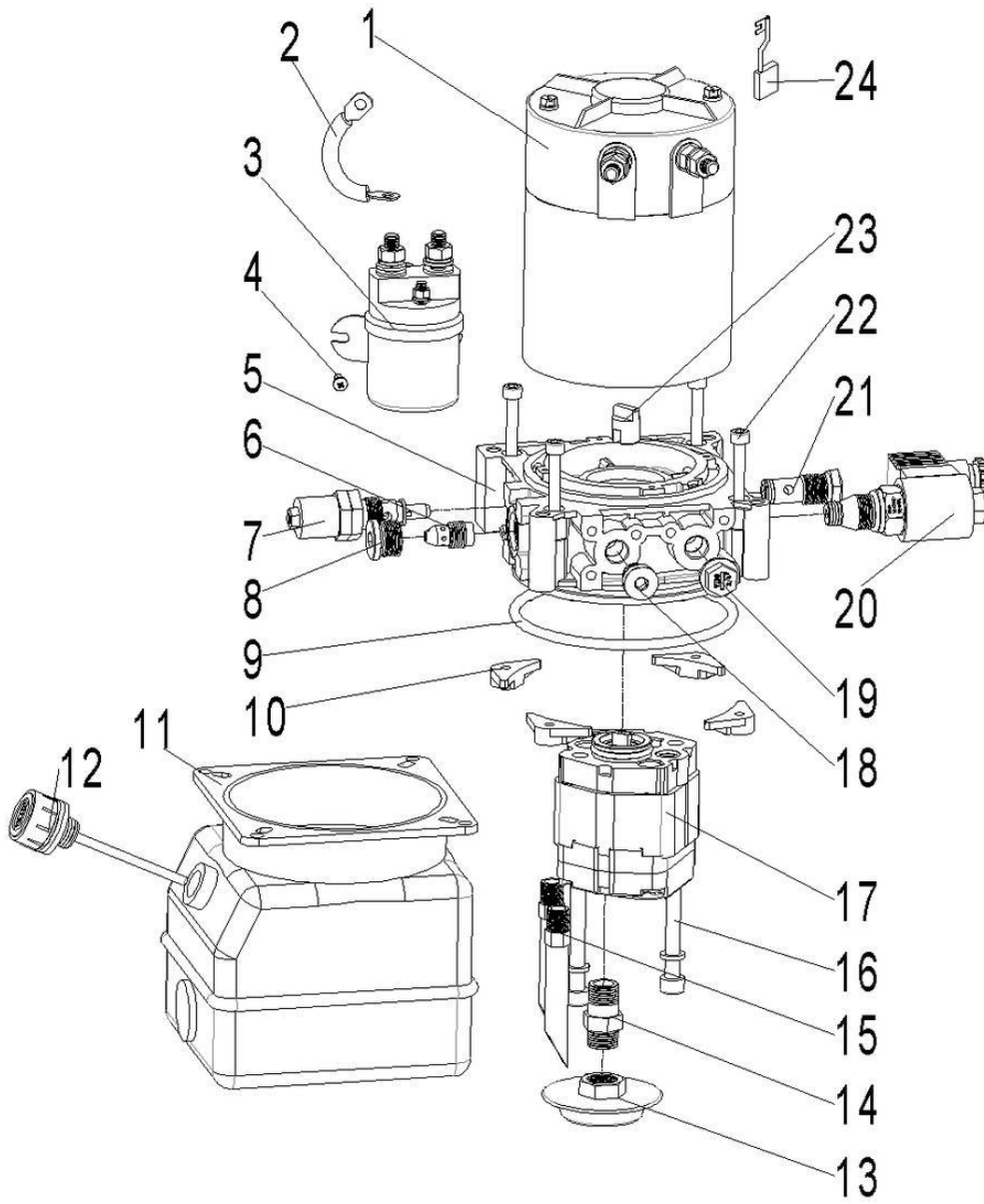
Fig.11 Hydraulic system(PT 36PLUS)



**Fig.11 Hydraulic System(PT 36PLUS)**

No.	Art No.	New code	Description	Qty.	Note
1	0000023034	910200200075	Screw	2	M10x20
2	0000023006	910400500007	Spring washer	3	10
3	950900100024	950900100024	DC hydraulic pump	1	
4	9000007832	950400300007	Straight pipe joint	1	
5	9000007838	950400200003	Connecting elbow	1	
6	505724020004	505724020004	Special pipe	1	
7	9000008324	951000100003	Clip with rubber	1	YGE
8	0000025010	910400500005	Spring washer	4	6
9	0000023053	910200200033	Screw	4	M6x12
10	1020404005	505621520027	Cylinder locating	1	
11	9000007842	950400400003	Straight pipe joint	1	
12	9000008221	505621520035	Cylinder base	1	
13	506024010002	506024010002	Cylinder body	1	
14	506098520001	506098520001	Support ring	2	50x55x9.7
15	506098520002	506098520002	Y seal ring	1	50x60x6/7
16	506098520003	506098520003	Dust ring	1	50x58x5/6.5
17	506024020003	506024020003	Piston rod	1	
18	506024010001	506024010001	Cylinder assembly	1	
19	0000028027	910600100016	Cylindrical pin	1	6x30
20	0000025002	910400100007	Flat washer	1	10
21	0000023025	910200200079	Screw	1	M10x40
22	506098510001	506098510001	Seal kits	1	

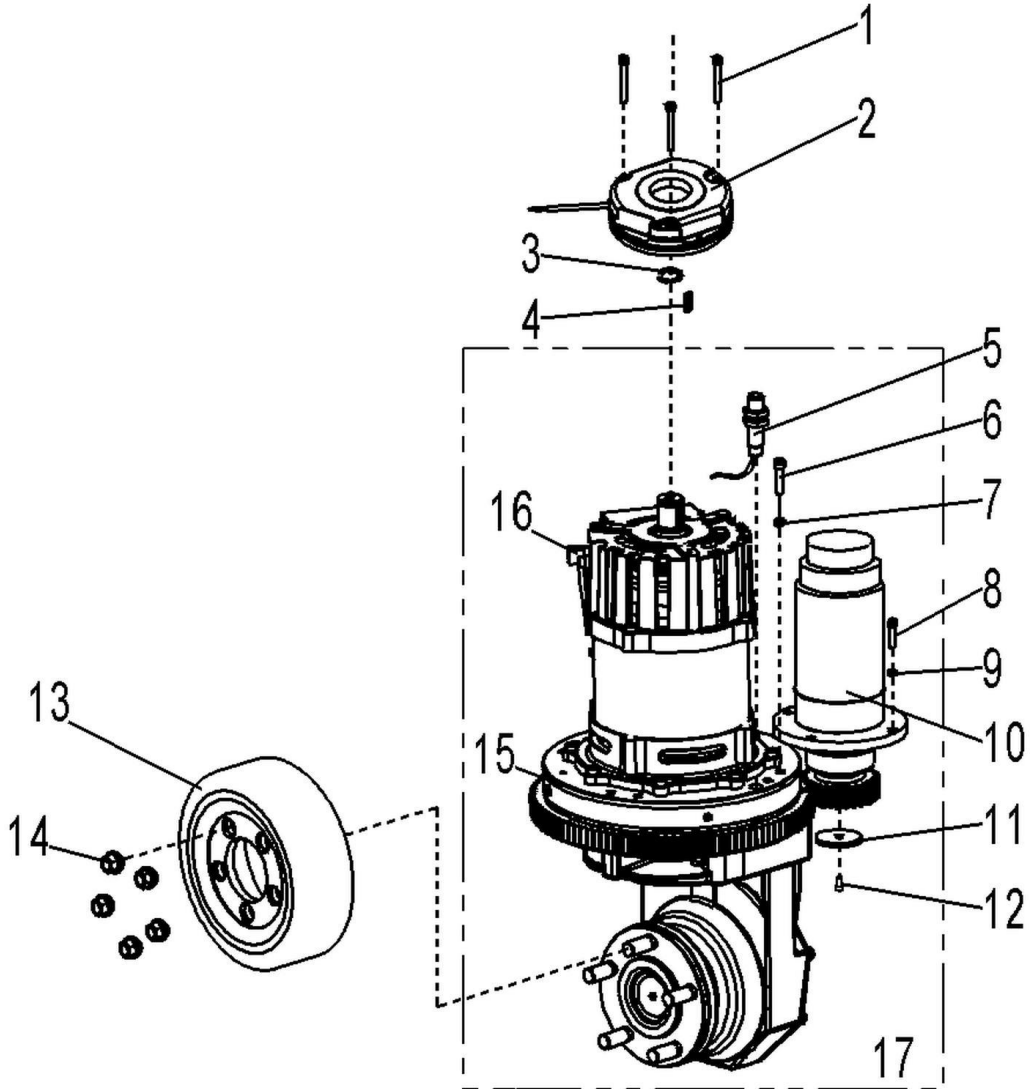
Fig.12 Pump (101-20A)



**Fig.12 Pump(101-20A)**

No.	Art No.	Description	Qty.	Note
1	532098510001	Motor	1	(AMJ5897) ISKRA
2	505798510004	Connecting wire	1	Rubber cap
3	532098510002	Starting switch	1	ISKRA
4	910200500036	Screw		To fix starting switch
5	505798520005	Valve block	1	CMF-01-03
6	505798510006	Pressure-compensated valve	1	
7	505798510007	Flood valve	1	
8	402698520020	Stopper	1	
9	910800100088	O ring	1	
10	505798520008	Nut	4	
11	505798520009	Tank	1	1.5L-TP120A137-V
12	505698520047	Tank cap	1	FC-03N
13	402698520010	Strainer	1	
14	505798520010	Suction pipe	1	FP-03V-035
15	505798520012	Return pipe	2	RU12-090
16	910200200070	Bolt	2	With spring washer
17	532098510000	Gear pump	1	
18	505798520014	Stopper	1	Iron
19	505798520015	Stopper	1	
20	532098510006	Control valve	1	Round coil
21	505798510012	Check valve	1	
22	910200200042	Bolt	4	
23	505798520018	Coupling	1	DCP-048
24	505798510013	Carbon brush set	1	

Fig.13 Drive assembly (DC steering)

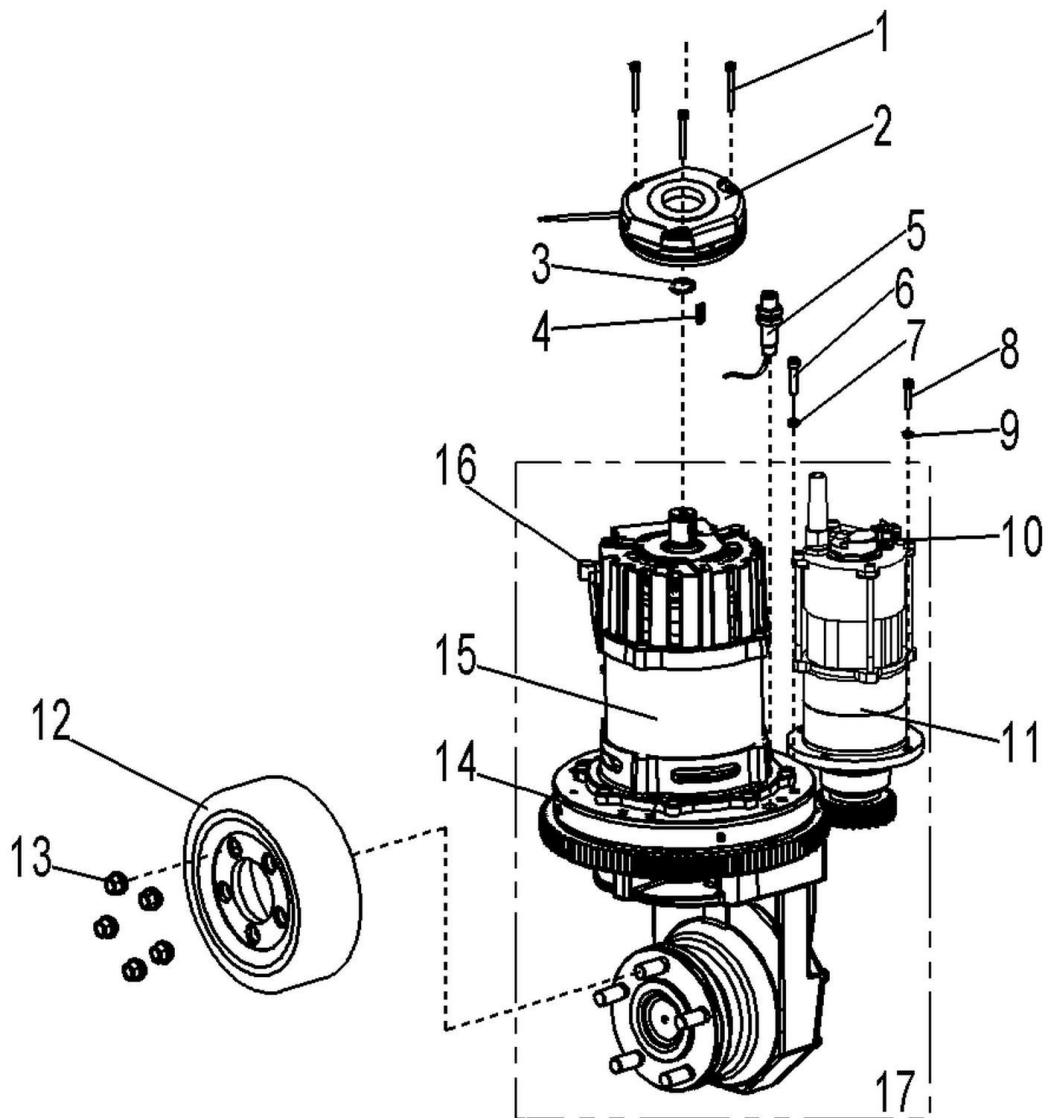


**Fig.13 Drive Assembly (DC steering)**

No.	Art No.	New code	Description	Qty.	Note
1	3070606041	910200200046	Screw	3	M6x60
2	9000010172	940700100002	Brake	1	24v32N
3	0000026013	910401300014	Circlip	1	25
4	0090000591	910600800019	Flat key	1	8x20
5	9000008644	920200400007	Proximity switch	1	Fi4-M12-ON6L-L70
6	0000023029	910200200078	Screw	8	M10x35
7	0000023006	910400500007	Spring washer	8	10
8	0000023172	910200200059	Screw	4	M8x30
9	0000025001	910400500006	Spring washer	4	8
10		920900100050	Steering motor	1	Z90DPN24400-
11		506013520001	Washer	1	
12	0000023044	910200200057	Screw	1	M8x20
13	9000007767	940300400002	Drive wheel	1	Φ250x82
14	3014702006	275015520005	Nut	5	
15		940900600004	Transmission	1	5.53.534.0
16		505998510003	Sensors	1	
17		506013501001	Drive Assembly	1	



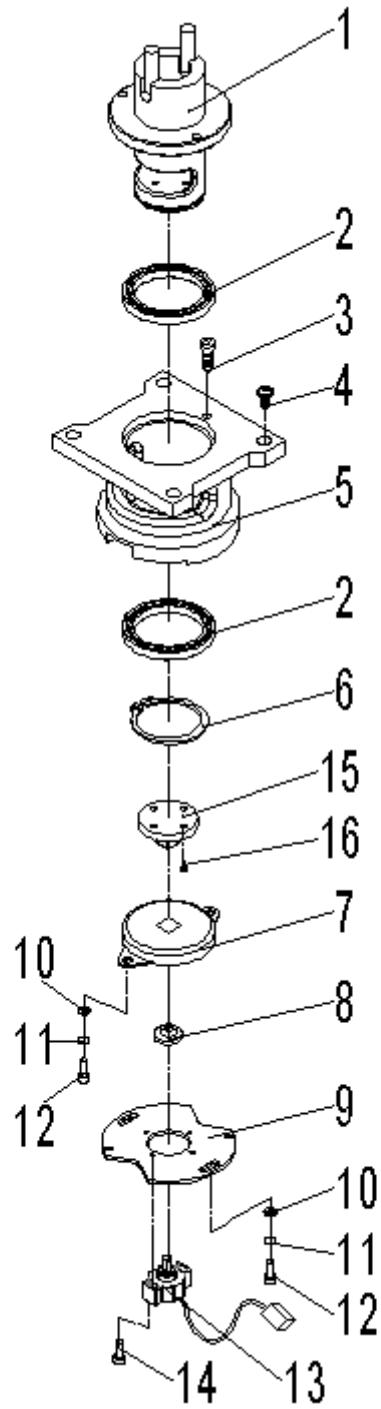
Fig.14 Drive assembly (AC steering)



**Fig.14 Drive Assembly (AC steering)**

No.	Art No.	New code	Description	Qty.	Note
1	3070606041	910200200046	Screw	3	M6x60
2	9000010172	940700100002	Brake	1	24v32N
3	0000026013	910401300014	Circlip	1	25
4	0090000591	910600800019	Flat key	1	8x20
5	9000008644	920200400007	Proximity switch	1	Fi4-M12-ON6L-L70
6	0000023029	910200200078	Screw	8	M10x35
7	0000023006	910400500007	Spring washer	8	10
8	0000023172	910200200059	Screw	4	M8x30
9	0000025001	910400500006	Spring washer	4	8
10		505998510004	Sensors	1	
11	9000010311	201598510000	Steering motor	1	
12	9000007767	940300400002	Drive wheel	1	Φ250x82
13	3014702006	275015520005	Nut	5	
14	9000010308	201098510004	Transmission	1	
15	9000010310	505798510018	Drive motor	1	
16		505998510003	Sensors	1	
17	9000017501	940900600003	Drive Assembly	1	

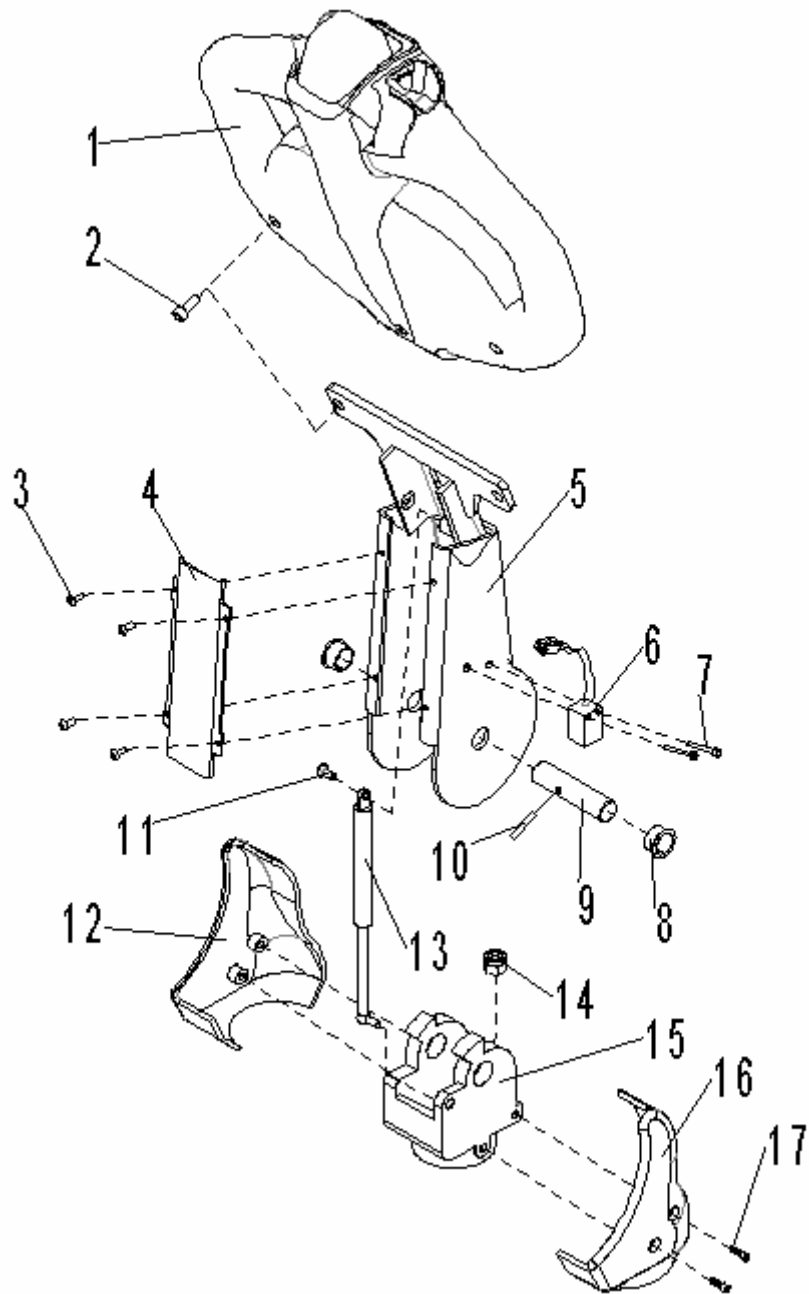
Fig.15 Electronic steering assembly



**Fig.15 Electronic Steering Assembly**

No.	Art No.	New code	Description	Qty.	Note
1	9000007422	505631510001	Shaft seat	1	
2	9000000240	910700200041	Bearing	2	61810
3	0000023042	910200200032	Screw	3	M6X10
4	0000023034	910200200075	Screw	4	M10x20
5	9000007423	505631520002	Fixing holder	1	
6	0000026043	910401300024	Circlip	1	50
7	9000000244	940801200001	Rotary damper	1	
8	9000008736	505931520002	Connecting piece	1	
9	9000008735	505931520001	Potentiometer fixing	1	
10	0000023032	910400100004	Flat washer	4	5
11	0000025022	910400500004	Spring washer	4	5
12	0000023311	910200200021	Screw	4	M5X10
11	9000010209	921800200001	Two-way potentiometer	1	PSC360-F2AA
14	0000023853	910200200015	Screw	2	M4X16
15	9000007424	505631520005	Nylon block	1	
16	0000023073	910200200013	Screw	4	M4X10

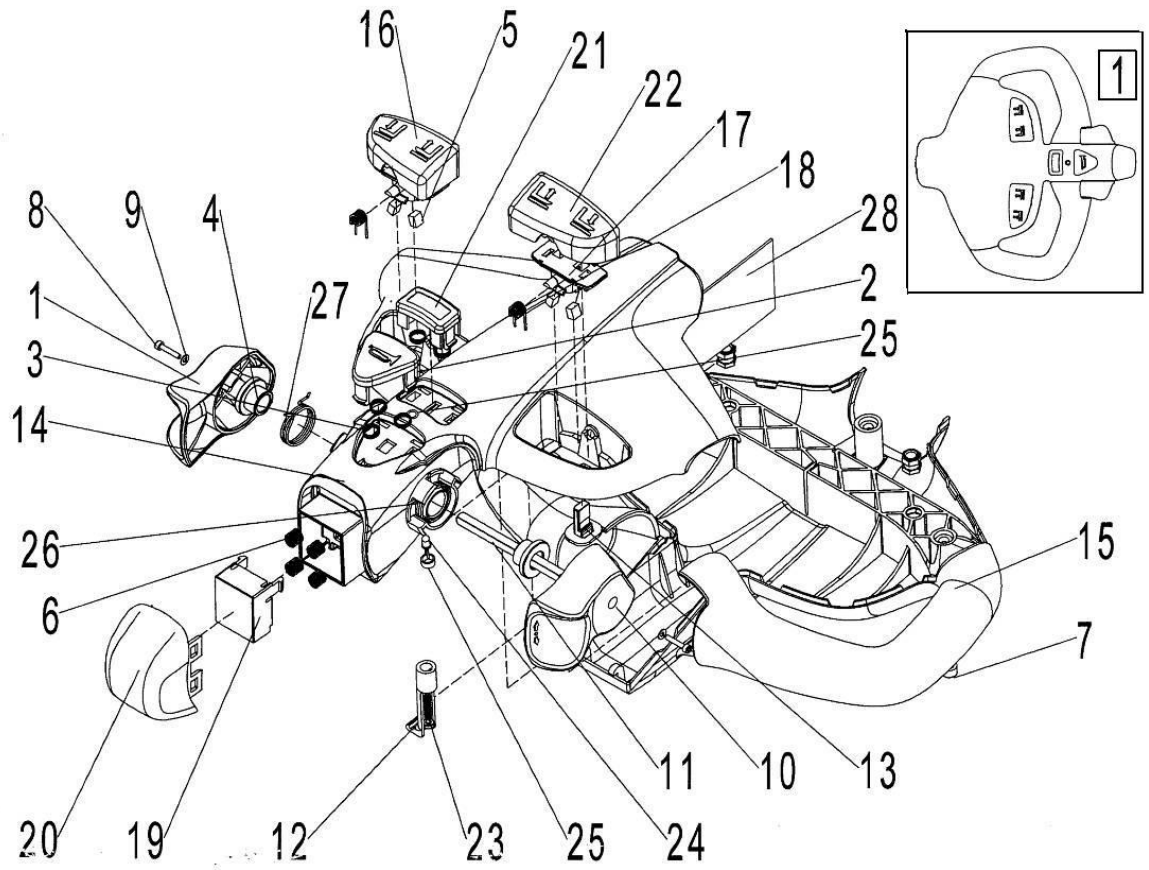
Fig.16 Handle



**Fig.16 Handle**

No.	Art No.	New code	Description	Qty.	Note
1	1100100001	922100100001	Canbus control	1	C 94300-90
2	0000023232	910100300023	Bolt	2	M8x25
3	1000123003	910200300005	Screw	4	M4x8
4	9000007926	505611020006	Cover plate	1	
5	9000007925	505611010000	Handle lever	1	
6	9000008327	505633510000	Proximity switch	1	NBN5-F7-E2
7	0000023075	910200200005	Screw	2	M3x20
8	1000113001	940500200002	Bushing	2	17x 9x11
9	9000007928	505611020008	Handle spindle	1	
10	0000028003	910600400013	Spring cotter	1	4x24
11	1000123001	941100400001	Screw	1	M8x20
12	9000007930	505611020010	Left handle cover	1	
13	1010121001	940400100002	Air spring	1	400N
14	0000023005	910300500005	Lock nut	2	M10
15	9000007929	505611020009	Handle seat	1	
16	9000007931	505611020011	Right handle cover	1	
17	0000023519	910200300016	Screw	4	M6x10

Fig.17 Canbus handle

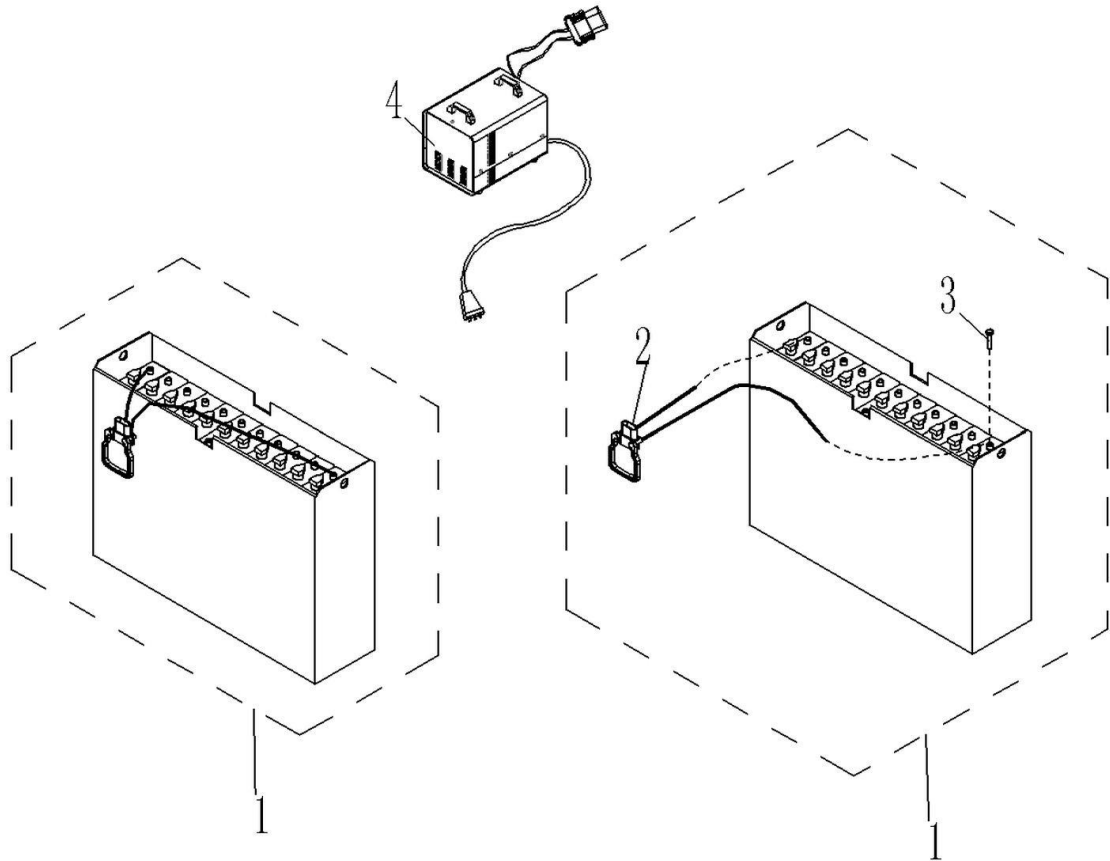


**Fig.17 Canbus Handle**

No.	Art No.	New code	Description	Qty.	Note
1	1010114001	505698520001	Left travel rotary knob	1	
2	1000114015	505698520002	Horn button	1	
3	1000131009	505698520003	Spring	5	
4	1000113004	505698520004	Neck bush	2	
5	1000137001	505698520005	Magnet	4	▲
6	1000131010	505698520006	Spring	4	
7	0000023058	910200200032	Screw	3	M6X10
8	0000023057	910200200004	Screw	2	M3X16
9	0000025017	910400100002	Flat washer 3	2	
10	1010114003	505698520010	Right travel rotary knob	1	
11	1000107002	505698520011	Stub shaft	1	
12	1000137002	505698520012	PCB clamp	1	
13	1000134005	505698520013	Sensor	2	
14	1000103012	505698520014	Upper handle	1	
15	1000103013	505698520015	Lower handle	1	
16	1000114017	505698520016	Left button	1	
17	1000137003	505698520017	Magnet holder	2	
18	1000131011	505698520018	Torsion spring	2	
19	1000114018	505698520019	Base	1	
20	1000114020	505698520020	Cover	1	
21	1000114021	505698520021	Cover	1	
22	1000114022	505698520022	Right button	1	
23	0000023060	910201400014	Screw	1	ST4.2X25
24	1000134006	505698520024	Bi-colour light	1	LED
25	1000103014	505698520025	Bi-colour light seat	1	LED
26	1000131012	505698520026	Torsion spring	1	
27	1000131013	505698520027	Torsion spring	1	
28	1100135001	505698520028	Printed circuit board	1	



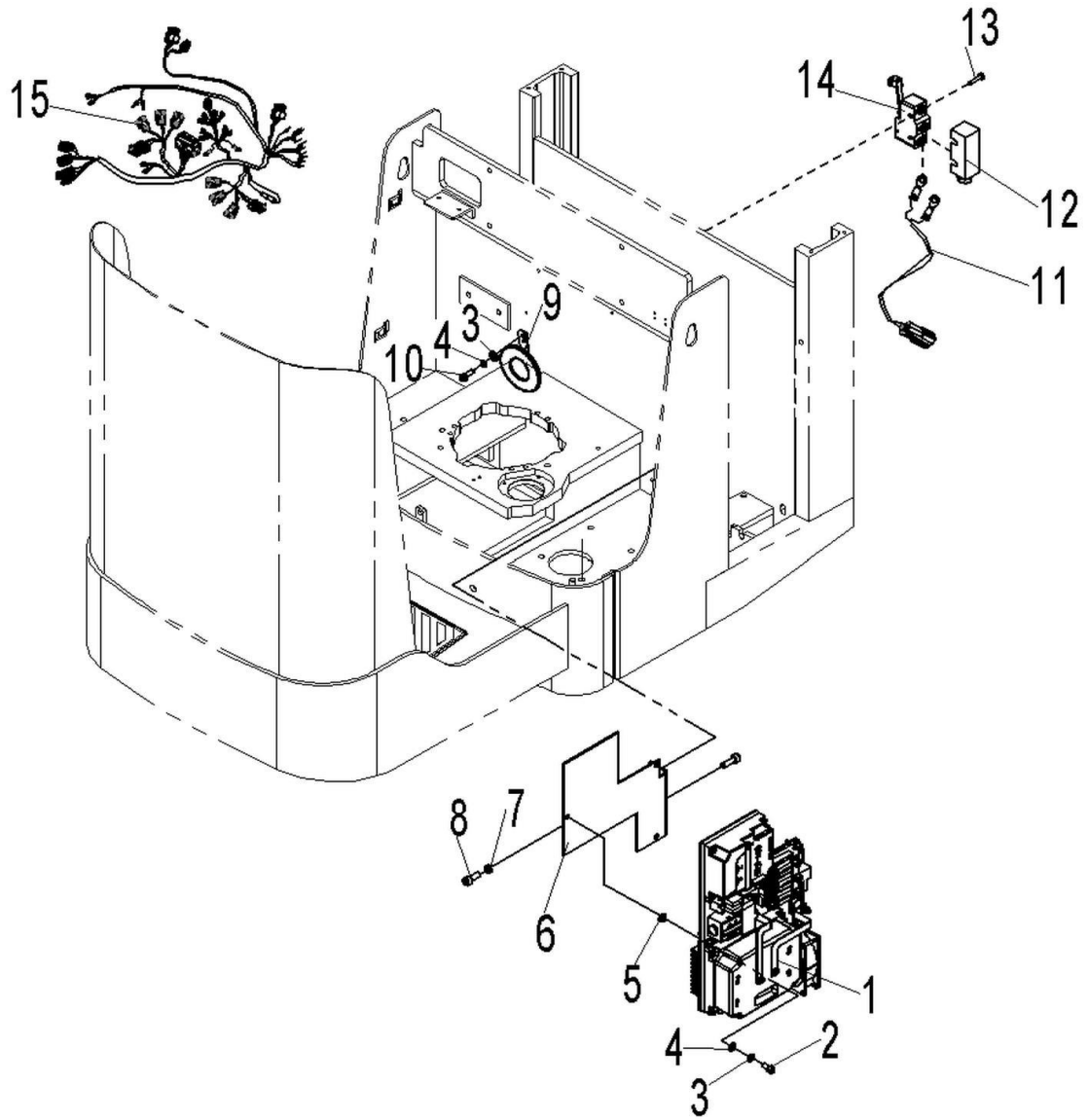
Fig.18 Battery



**Fig.18 Battery**

No.	Art No.	New code	Description	Qty.	Note
1	505702037001	505702037001	Power supply (bolted)	1	Bolted 210Ah
	505702037002	505702037002	Power supply		Welded 210Ah
	505702037004	505702037004	Power supply (bolted)		Bolted 270Ah
	505702037003	505702037003	Power supply		Welded 270Ah
2	505798510014	505798510014	Connector	1	Only for bolted battery 210Ah
	505798510015	505798510015			Only for bolted battery 270Ah
3	9000009832	505698520000	Screw	24	Only for bolted battery
4	9000018258	921000200183	Charger, SN24V35A	1	270AH, Asia Chinese
	9000018259	921000200184	Charger, SN24V35A	1	270AH, Asia English
	9000018260	921000200185	Charger, SN24V35A	1	270AH, EU
	9000018261	921000200186	Charger, SN24V35A	1	270AH, English
	9000018262	921000200187	Charger, SN24V35A	1	270AH,AUS
	9000018263	921000200188	Charger, SN24V35A	1	270AH,US
		921000200155	Charger, NL24V40A	1	270AH, Asia Chinese
		921000200156	Charger, NL24V40A	1	270AH, Asia English
	9000010116	921000200001	Charger, SN24V30A	1	210AH , Asia Chinese
	9000010117	921000200002	Charger, SN24V30A	1	210AH, Asia English
	9000010118	921000200003	Charger, SN24V30A	1	210AH,EU
	9000010120	921000200004	Charger, SN24V30A)	1	210AH, AUS
	9000010121	921000200005	Charger, SN24V30A	1	210AH, English
	9000010146	921000200006	Charger, SN24V30A	1	210AH,US
		921000200151	Charger, NL24V30A	1	210AH, Asia Chinese
		921000200153	Charger, NL24V30A	1	210AH, Asia English
		921000200152	Charger, NL24V30A	1	210AH,EU
		921000200154	Charger, NL24V30A	1	210AH, English

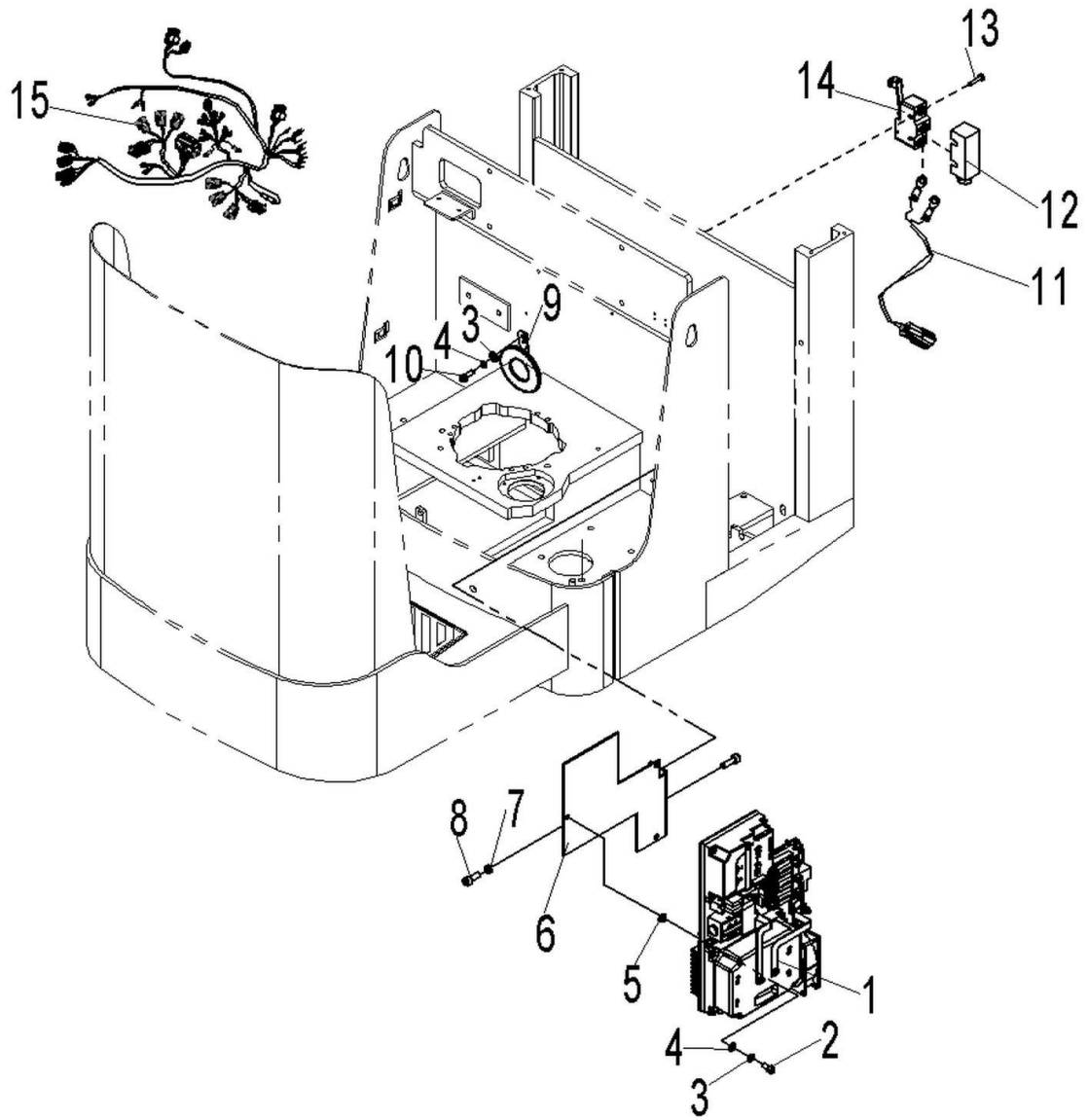
Fig.19 Electrical assembly (CURTIS)



**Fig.19Electrical Assembly (CURTIS)**

No.	Art No.	New code	Description	Qty.	Note
1		506033010000	Electronic control assembly	1	
2	0000023044	910200200057	Screw	3	M8x20
3	0000025001	910400500006	Spring washer	3	8
4	0000025011	910400100006	Flat washer	3	8
5	0000024086	910300100006	Nut	2	M8
6	9000008284	505921520025	Fixing plate	1	
7	0000023034	910200200075	Screw	1	M10x20
8	0000023006	910400500007	Spring washer	2	10
9	1000434015	920500100001	Horn	1	
10	0000023089	910200200053	Screw	1	M8x12
11	505733010014	505733010014	Harness	1	
12	2040603002	920200300008	Protection cover	1	
13	0000023043	910200500027	Screw	2	M4x25
14	9000000794	920200300003	Micro switch	1	RZ-15GW2S-B3
15		506033010001	Main control harness	1	

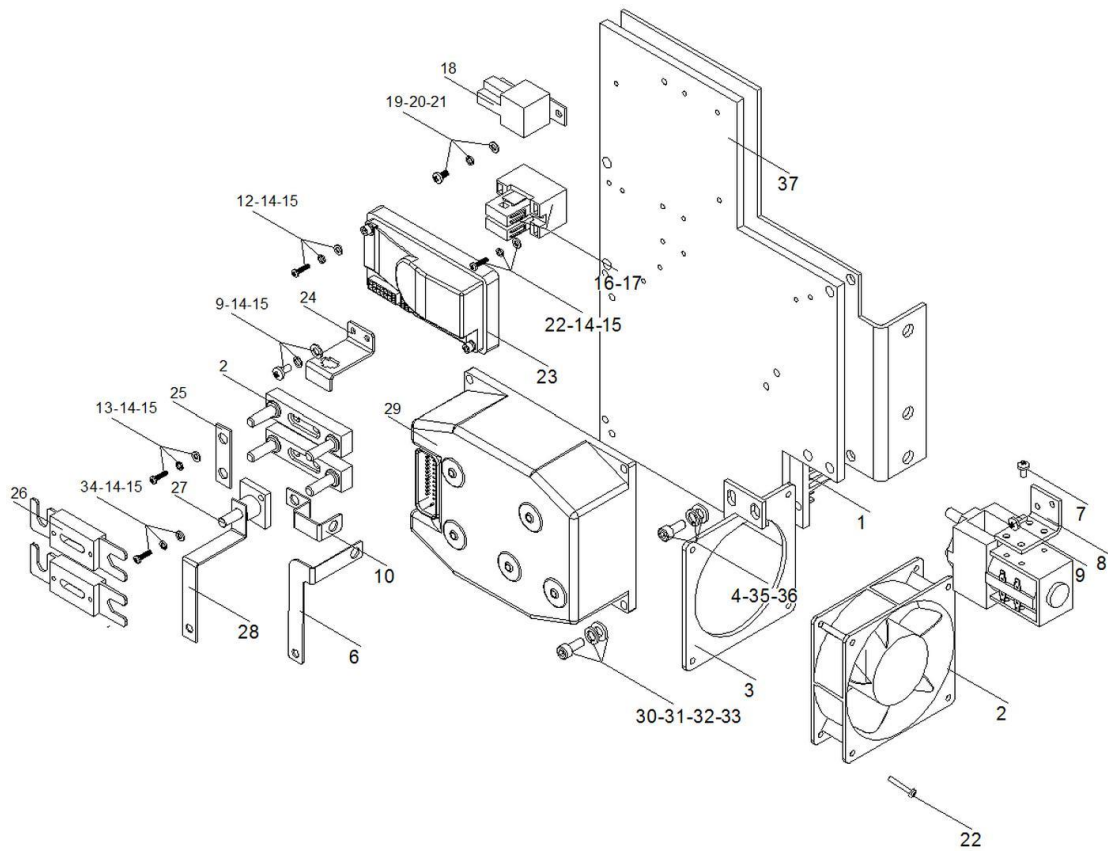
Fig.20 Electrical assembly (ZAPI)



**Fig.20 Electrical Assembly (ZAPI)**

No.	Art No.	New code	Description	Qty.	Note
1	9000008616	565933010013	Electronic control assembly	1	
2	0000023044	910200200057	Screw	3	M8x20
3	0000025001	910400500006	Spring washer	3	8
4	0000025011	910400100006	Flat washer	3	8
5	0000024086	910300100006	Nut	2	M8
6	9000008284	505921520025	Fixing plate	1	
7	0000023034	910200200075	Screw	1	M10x20
8	0000023006	910400500007	Spring washer	2	10
9	1000434015	920500100001	Horn	1	
10	0000023089	910200200053	Screw	1	M8x12
11	505733010014	505733010014	Harness	1	
12	2040603002	920200300008	Protection cover	1	
13	0000023043	910200500027	Screw	2	M4x25
14	9000000794	920200300003	Micro switch	1	RZ-15GW2S-B3
15	505733010013	505733010013	Main control harness	1	

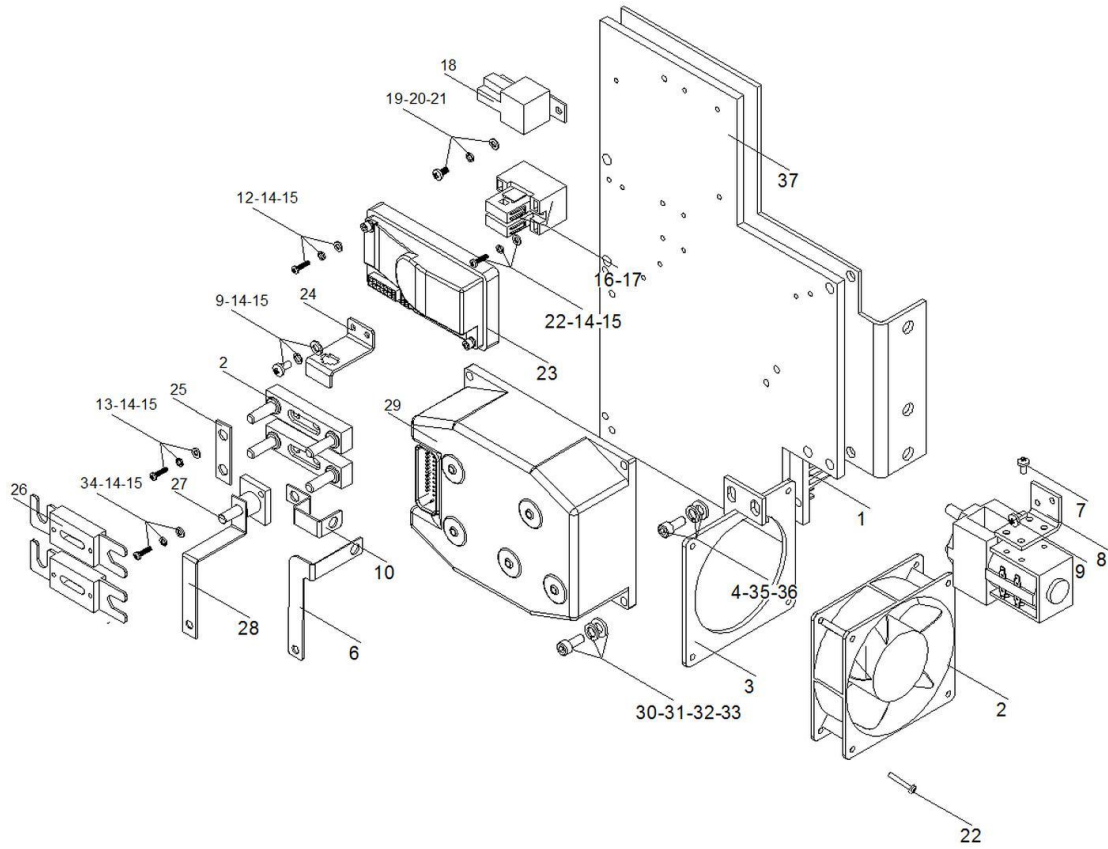
**Fig.21 Electronic control assembly (CURTIS)**



**Fig.21 Electronic Control Assembly (CURTIS)**

No.	Art No.	New code	Description	Qty.	Note
1		565933020007	Radiator Plate	1	
2		920300100002	Relay	1	DC24V-120x12
3		565921510003	Fixing plate	1	
4		910200200055	Screw	2	GB70.1-M8x16
5		506033020001	Copper bar	1	
6		920700100004	Contactor	1	DC24V-C100-1
7		910200600005	Screw	2	GB819.1-M4x8
8		921300400003	Bracket	1	
9		910200500034	Screw	4	GB818-M4x8
10		565933020001	Copper bar	1	
11		920100400002	Fuse base	2	
12		910200500027	Screw	1	GB818-M4x25
13		910200500024	Screw	4	GB818-M4x16
14		910400500003	Spring washer	14	GB93-4
15		910400100003	Washer	14	GB97.1-4
16		920100400005	Fuse base	1	BD-2x10A-1
17		920100200002	Fuse	2	10A
18		920800100001	Contactor	1	DC24V-ACR01
19		910200500038	Screw	1	GB818-M5x12
20		910400500004	Spring washer	1	GB93-5
21		910400100004	Washer	1	GB97.1-5
22		910200500028	Screw	6	GB818-M4x30
23		921400100023	Steering controller	1	1220C-2201
24		921300300003	Bracket	1	4 芯
25		505633020003	Copper bar	1	
26		920100100008	Fuse	2	200A
27		920100400001	Fuse base	1	
28		505633020000	Copper bar	1	
29		921400100005	Controller	1	1232E-2321
30		910200200040	Screw	4	GB70.1-M6x35

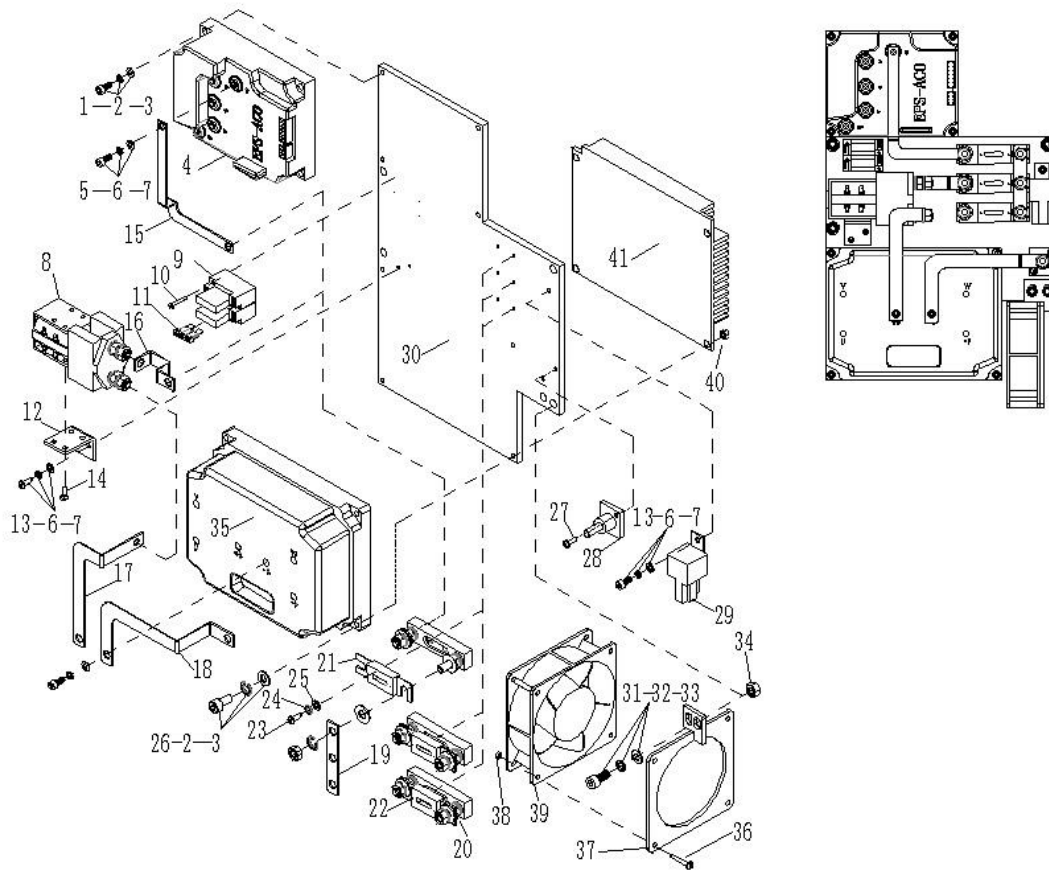




**Fig.21 Electronic Control Assembly (CURTIS)**

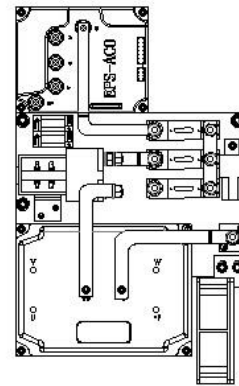
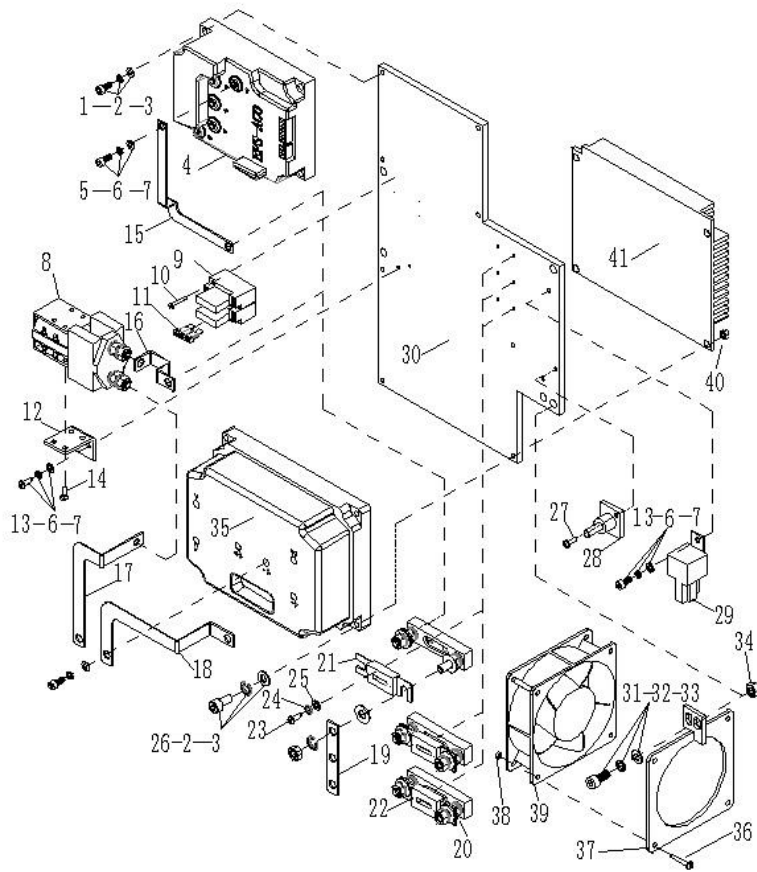
No.	Art No.	New code	Description	Qty.	Note
31		910400500005	Spring washer	4	GB93-6
32		910400100005	Washer	4	GB97.1-6
33		910300500003	Nut	2	GB889.1-M6
34		910200500022	Screw	2	GB818-M4x12
35		910400500006	Spring washer	2	GB93-8
36		910400100006	Washer	2	GB97.1-8
37		506033020000	Aluminium plate	1	

**Fig.22 Electronic control assembly (ZAPI)**



**Fig.22 Electronic Control Assembly (ZAPI)**

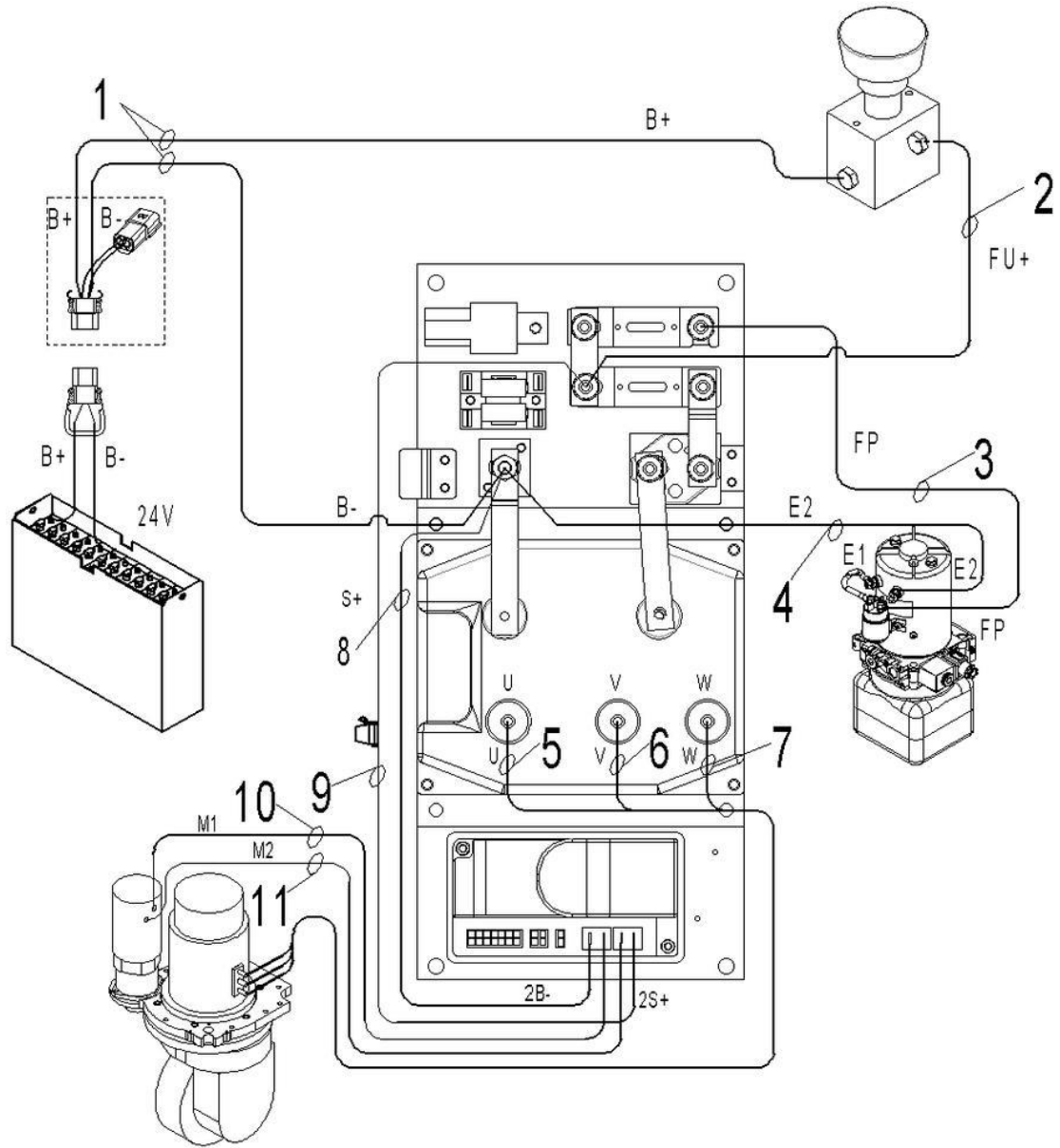
No.	Art No.	New code	Description	Qty.	Note
1	0000023141	910200200035	Screw	4	M6x16
2	0000025010	910400500005	Spring washer	8	6
3	0000023055	910400100005	Flat washer	8	6
4	1100434001	921400100031	Steering	1	EPS-AC024V/50A
5	0000023076	910200200022	Screw	5	M5x12
6	0000025015	910400500004	Spring washer	7	5
7	0000025014	910400100004	Flat washer	7	5
8	2390434003	920700100002	Contactor	1	VSW180B-4 DC24
9	1000434021	920100400006	Fuse base	2	BD-1x10
10	0000023074	910200500017	Screw	4	M3x30
11	1000434040	920100200002	Fuse	2	10A
12	2400404007	921300400005	Bracket	1	
13	0000023039	910200500038	Screw	2	M5x12
14	0000023534	910200500036	Screw	2	M5x8
15	9000008613	565933020003	Copper bar	1	
16	9000008611	565933020001	Copper bar	1	
17	9000008612	565933020002	Copper bar	1	
18	9000008614	565933020004	Copper bar	1	
19	9000008615	565933020005	Copper bar	1	
20	9000000747	920100400002	Fuse base SY Y	3	
21	9000008642	920100100001	Fuse	1	30A
22	1020434001	920100100008	Fuse	2	200A
23	0000023130	910200500024	Screw	6	M4x16
24	0000025018	910400500003	Spring washer	6	4
25	0000025008	910400100003	Flat washer	6	4
26	0000023090	910200200040	Screw	4	M6x35
27	0000023307	910200500021	Screw	2	M4x10
28	1020434002	920100400001	Terminal	1	BD-M8
29	1000434041	920800100001	Relay	1	ACR01F-F-1C24VDC
30	9000008639	565933020000	Aluminium plate	1	
31	0000023047	910200200058	Screw	5	M8x25
32	0000025001	910400500006	Spring washer	5	8



**Fig. 24 Electronic Control Assembly (ZAPI)**

No.	Art No.	New code	Description	Qt	Note
33	0000025011	910400100006	Flat washer	5	8
34	0000024086	910300100006	Nut	5	M8
35	1100434002	921400100026	Traction controller	1	ACE0
36	0000023451	910200500031	Screw	4	M4x45
37	9000010199	565921510003	Fixing plate	1	
38	0000023069	910300100003	Nut	4	M4
39	1110434003	565933510002	Fan DC24V	1	AD1224UB-F5
40	0000024068	910300100005	Nut	4	M6
41	9000010169	565933020007	Heating plate	1	

Fig.25 Main harness (CURTIS)

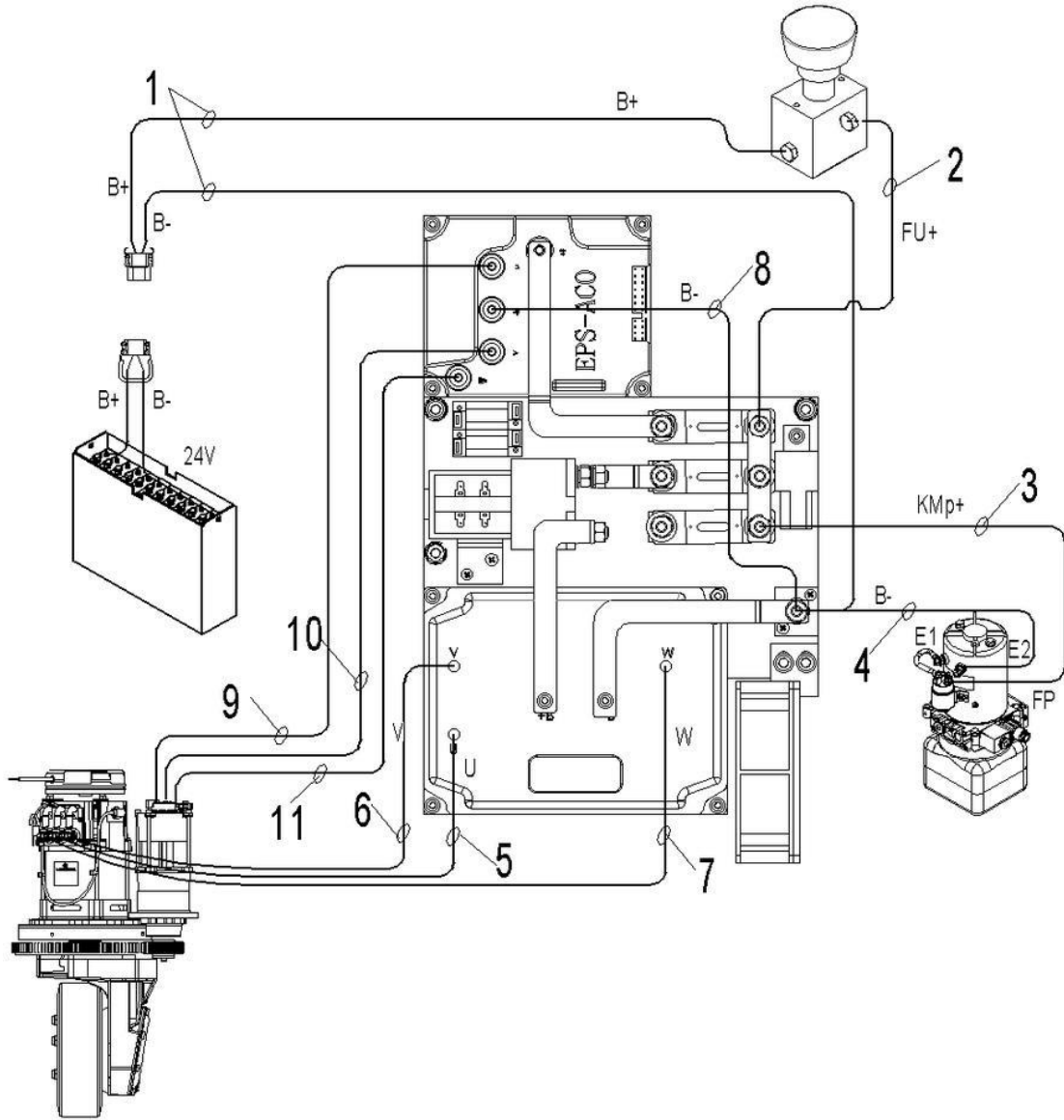


**Fig.25 Main Harness (CURTIS)**

No.	Art No.	Description	Qty.	Note
1	505733010007	Main power harness	1	
2	505733010008	Cable -FU+	1	
3	505733010005	Cable -FP	1	
4	505733010006	Cable -E2	1	
5	505733010002	Cable -U	1	
6	505733010003	Cable -V	1	
7	505733010004	Cable -W	1	
8	505633010026	Connecting cable-2B	1	
9	505733010009	Steering controller harness	1	
10	505733010010	Connecting cable-M1	1	
11	505733010011	Connecting cable-M2	1	



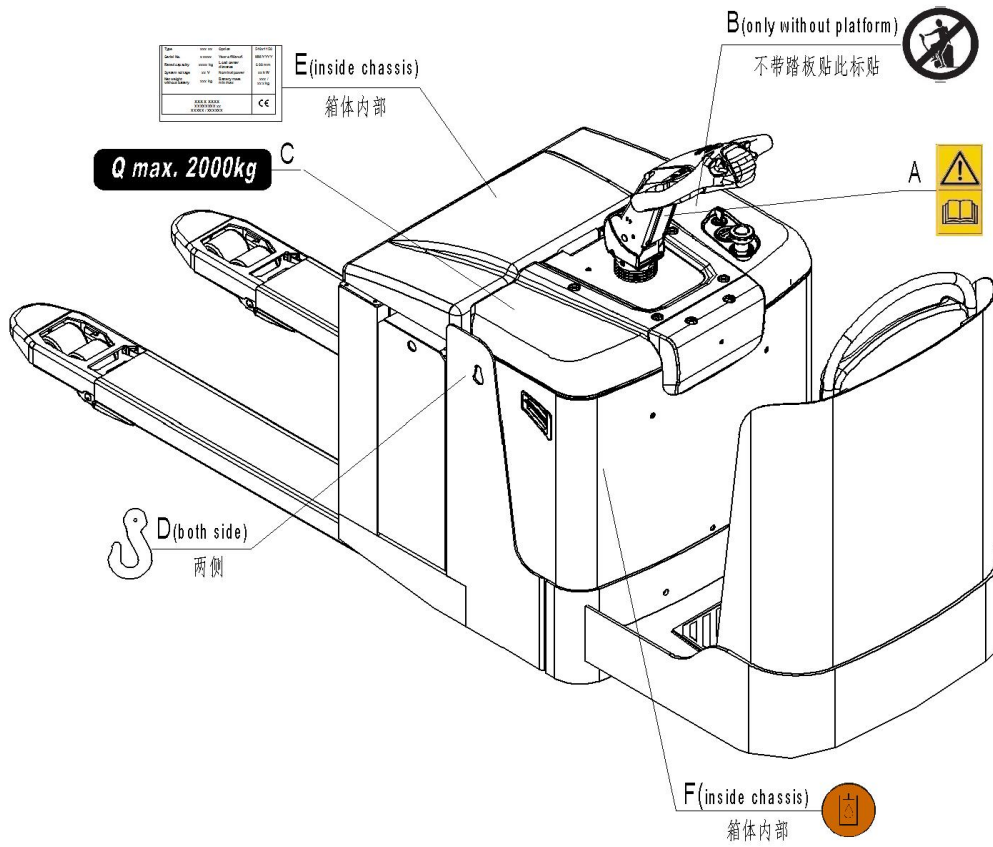
Fig.26 Main harness (ZAPI)



**Fig.26 Main Harness (ZAPI)**

No.	Art No.	Description	Qty.	Note
1	505733010019	Main power harness	1	
2	505733010020	Cable-FU+-	1	
3	505733010017	Cable -KMp+	1	
4	505733010018	Cable -B-	1	
5	505733010015	Cable -U	1	
6	505733010003	Cable -V	1	
7	505733010016	Cable -W	1	
8	505733010021	Cable -B-	1	
9	505733010022	Connecting cable-U2	1	
10	505733010023	Connecting cable-V2	1	
11	505733010024	Connecting cable-W2	1	

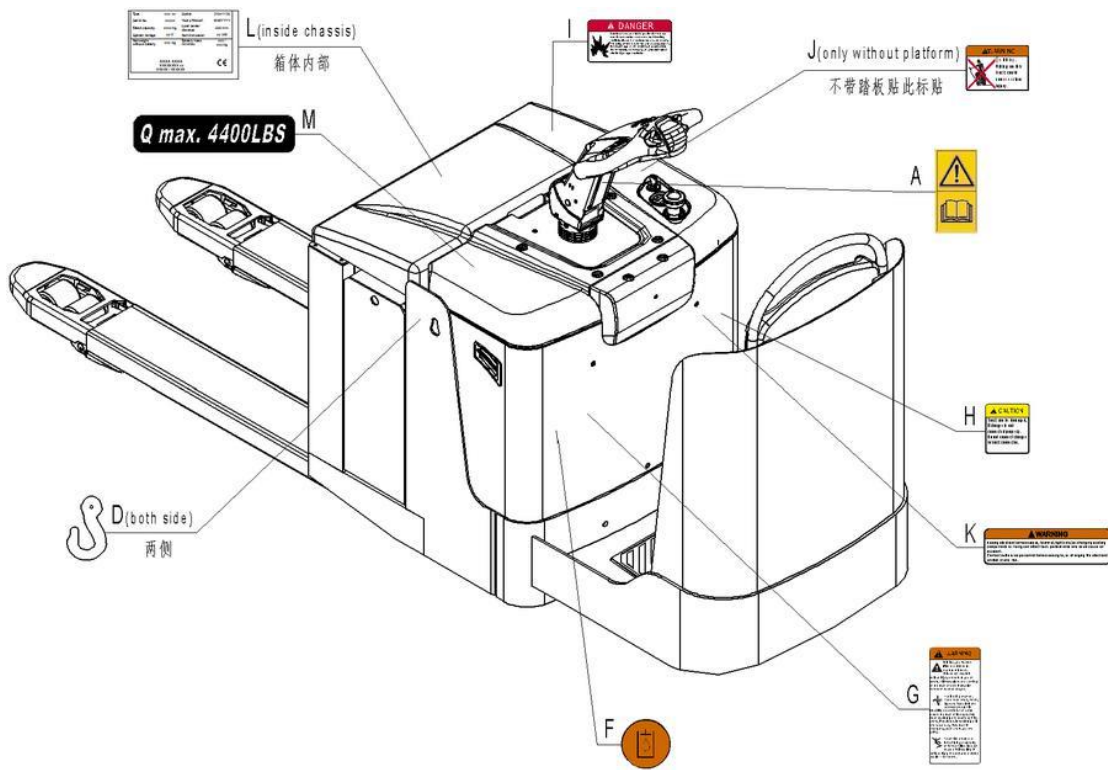
Fig.27 Label (EU)



**Fig.27 Label (EU)**

No.	Art No.	New code	Description	Qty.	Note
A	9000003570	941200300002	Sign read and follow this	1	
B	9000003573	941200100003	'No passengers' decal	1	
C	9000008549	941200200023	Sign capacity sticker	1	
	9000008551	941200200025	Sign capacity sticker	1	
	9000008553	941200200027	Sign capacity sticker	1	
	9000018267	941200200029	Sign capacity sticker	1	
D	9000005967	941200300001	Hook sticker	2	
E	505747020001	505747020001	CE sticker	1	
	505747020003	505747020003	CE sticker	1	
F	9000008555	941200300003	Filling sticker	1	

Fig.28 Label (US)



**Fig.28 Label (US)**

No.	Art No.	New code	Description	Qty.	Not
A	9000003570	941200300002	Sticker to read and follow these	1	
C	9000009405	941200200038	Capacity sticker (4400 LBS)	1	
	9000009407	941200200039	Capacity sticker (5500 LBS)	1	
	9000009409	941200200041	Capacity sticker (6600 LBS)	1	
	9000010170	941200200051	Capacity sticker (8000 LBS)	1	
D	9000005967	941200300001	Crane hook label	2	
F	9000008555	941200300003	Filling sticker	1	
G	9000003575	941200100009	Warning sticker	1	
H	9000003576	941200100012	Warning sticker	1	
I	9000003577	941200100013	Warning sticker	1	
J	9000003580	941200100011	Warning sticker	1	
K	9000003579	941200100010	Warning sticker	1	
L	50574702000	505747020002	CE sticker	1	
	50574702000	505747020004	CE sticker	1	

### Easy worn parts list

No.	Art No.	New code	Item	Qty.	Fig./Position	Note
1	0090000745	910600500004	Spring cotter	2	Fig.1/2	Chassis
2	0000030001	911200100001	Grease nipple M6	4	Fig.1/4	
3	0000027005	940500100012	Bushing 20x22x12	16	Fig.1/5	
4	2330511001	940200300007	Roller	4	Fig.1/7	
5	1000413001	940500100017	Bushing 20x23x15	4	Fig.1/8	
6	9000008631	565938520023	Roller	2	Fig.1/13	
7	0000030001	911200100001	Grease nipple	2	Fig.1a/3	
8	9000008262	940500100018	Bushing 20x23x15	4	Fig.1a/4	
9	9000009834	940500100026	Bushing 25x28x15	4	Fig.1a/10	
10	0000030002	911200100002	Spring cotter	2	Fig.1a/11	
11	9000007799	940500200008	Bushing	8	Fig.1a/13	
12	0090000745	910600500004	Spring cotter	2	Fig.1a/15	
13	506038520013	506038520013	Roller	2	Fig.1a/17	
14	1000516001	505638520039	Roller	2	Fig.2/2	Load roller
15	0090000745	910600500004	Spring cotter 5x35	6	Fig.2/4	
16	0000030001	911200100001	Grease nipple	2	Fig.2/6	
17	0000027005	940500100012	Bushing 20x22x12	4	Fig.2/7	
18	0000027001	910700200019	Bearing 6204	8	Fig.2/10	
19	9000008791	940300300010	Load wheel 84x84	4	Fig.2/11	
20	9000002333	940500200003	Bushing 18x20x12	4	Fig.2/13	
21	9000007799	940500200008	Bushing	4	Fig.2a/4	
22	0000030001	911200100001	Grease nipple	2	Fig.2a/6	
23	0090000769	910600500005	Spring cotter	4	Fig.2a/8	
24	0000027001	910700200019	Bearing	16	Fig.2a/10	
25	9000008790	940300300007	Load roller	8	Fig.2a/11	
26	9000010034	940500100020	Bushing	4	Fig.2a/14	
27	0000027060	910700200017	Bearing 6202	16	Fig.3/17	机体总成
28	9000008340	505938520016	Buffer rubber	2	Fig.3/37	
29	0000027001	910700200019	Bearing 6204	2	Fig.4/5	Steering wheel
30	2020416001	940300300019	Castor 124x60	1	Fig.7/6	

31	0000027069	910700600001	Bearing 30205	1	Fig.7/10	
32	1000419001	505616520000	PU spring	1	Fig.7/12	
33	9000007795	940500100010	Bushing 18x20x15	2	Fig.7/23	
34	506098520001	506098520001	Support ring	2	Fig.11/14	Hydraulic
35	506098520002	506098520002	Y seal ring	1	Fig.11/15	
36	506098520003	506098520003	Dust ring	1	Fig.11/16	
37	9000008644	920200400007	Proximity switch	1	Fig.13/5	Drive assembly
38	9000000240	910700200041	Bearing 61810	2	Fig.14/2	Electronic steering assembly
39	9000000244	940801200001	Rotary damper	1	Fig.14/7	
40	9000008736	505931520002	Connecting piece	1	Fig.14/8	
41	9000010209	921800200001	Two-way potentiometer	1	Fig.14/13	
42	9000007424	505631520005	Nylon block	1	Fig.14/15	
43	1000113001	940500200002	Bushing 17x19x11	2	Fig.18/8	Handle
44	1010121001	940400100002	Air spring	1	Fig.18/13	
45	9000000794	920200300003	Micro switch RZ-15GW2S-B3	1	Fig.19/7	Electrical components
46	9000000794	920200300003	Micro switch RZ-15GW2S-B3	1	Fig.20/12	
47	920100100004	920100100004	Fuse 10A	2	Fig.21/17	Electrical control
48	920100100007	920100100007	Fuse 200A	2	Fig.21/26	
49	1000434040	920100200002	Fuse 10A	2	Fig.22/11	
50	9000008642	920100100001	Fuse 30A	1	Fig.22/21	
51	1020434001	920100100008	Fuse 200A	2	Fig.22/22	