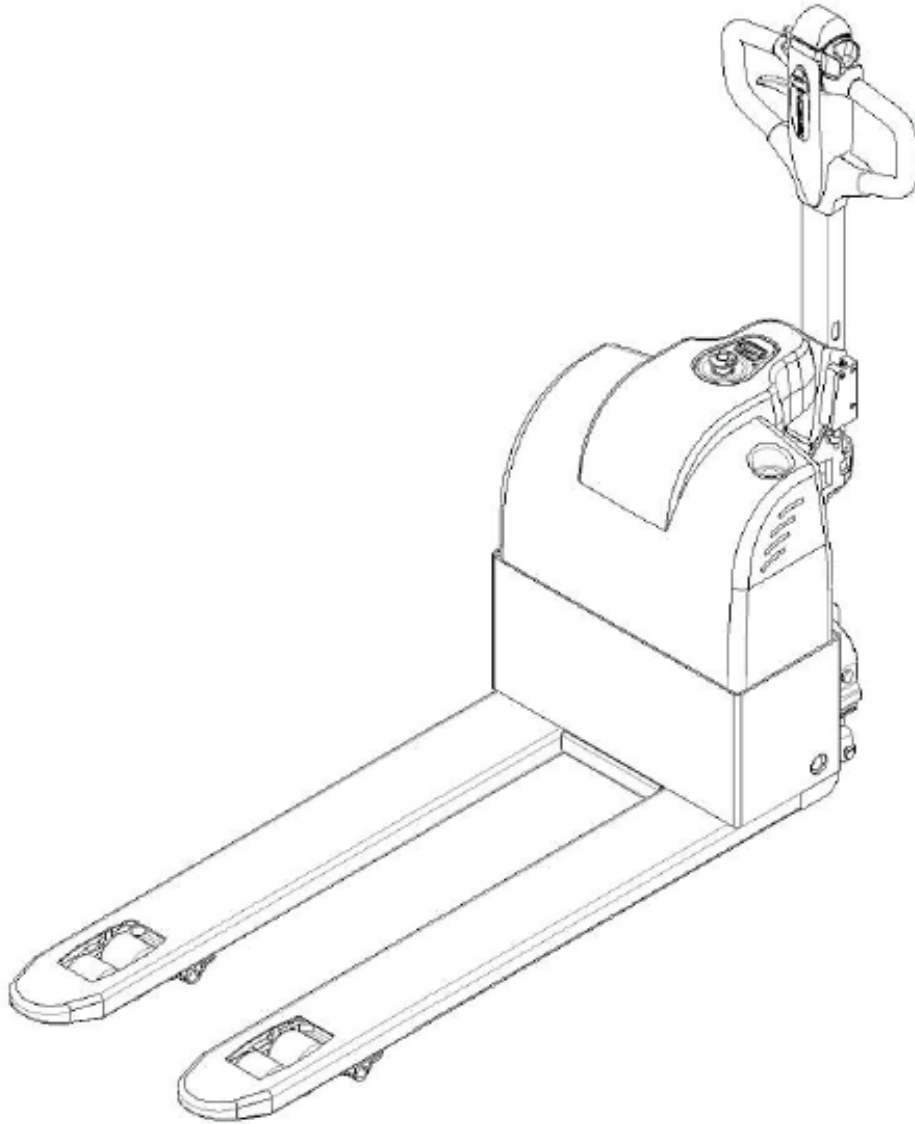




PARTS BREAKDOWN

ESET33N SEMI-ELECTRIC

VERSION

JANUARY 2014

MODEL

ESET33N SEMI-ELECTRIC PALLET TRUCK

APPLICABLE PRODUCTS

ESET33N

Catalogue

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Fig. 1 Fork Frame

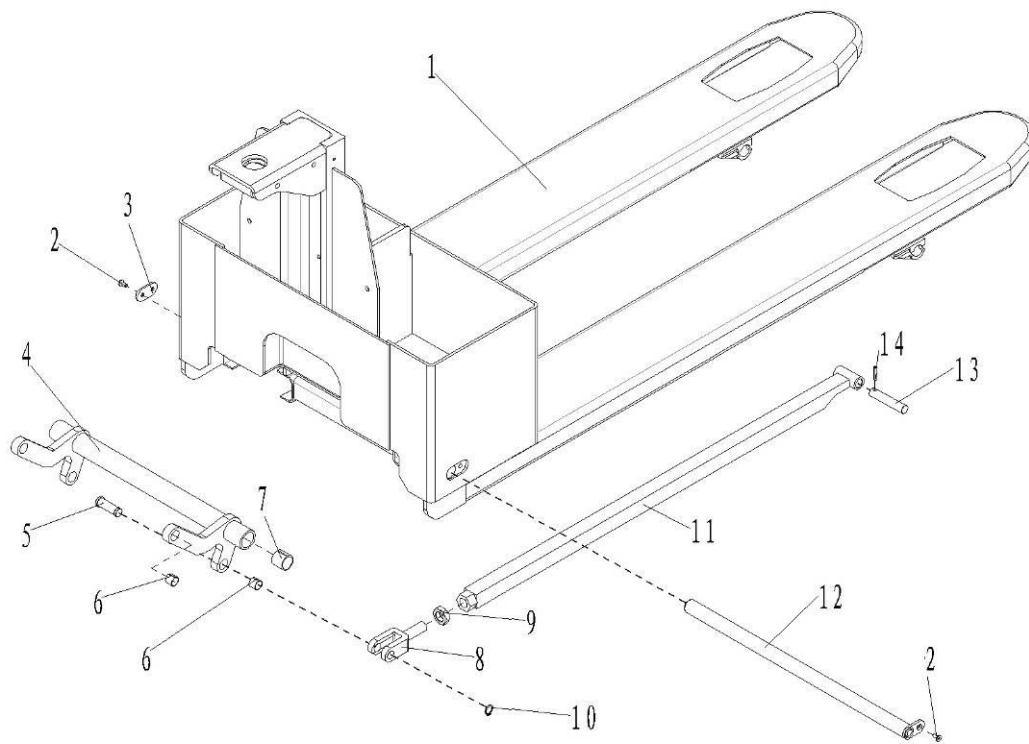


Fig. 1 Fork Frame

No.	Art No.	Mobile Part #	Description	Qty.	Note
2	1000523002	ESET3-EFF2	Screw	3	
3	1000504001	ESET3-EFF3	Fixing plate	1	
4	9000001957	ESET3-EFF4-20.5	Rock arm	1	540
	9000003555	ESET3-EFF4-27	Rock arm	1	685
5	9000001973	ESET3-EFF5	Shaft	2	
6	0000013011	ESET3-EFF6	Bushing	4	16×18×15
7	0000027006	ESET3-EFF7	Bushing	2	25×29×25
8	9000001966	ESET3-EFF8	Push rod fork	2	
9	0000024044	ESET3-EFF9	Thin nut	2	
10	0000026019	ESET3-EFF10	Retaining ring	2	
11	9000001996	ESET3-EFF11	Push rod	2	1220
12	9000001971	ESET3-EFF12-20.5	Long shaft	1	540
	9000003561	ESET3-EFF12-27	Long shaft	1	685
13	9000002327	ESET3-EFF13	Shaft	2	
14	0000028016	ESET3-EFF14	Roll pin	2	5×28

Fig. 2 Load Roller

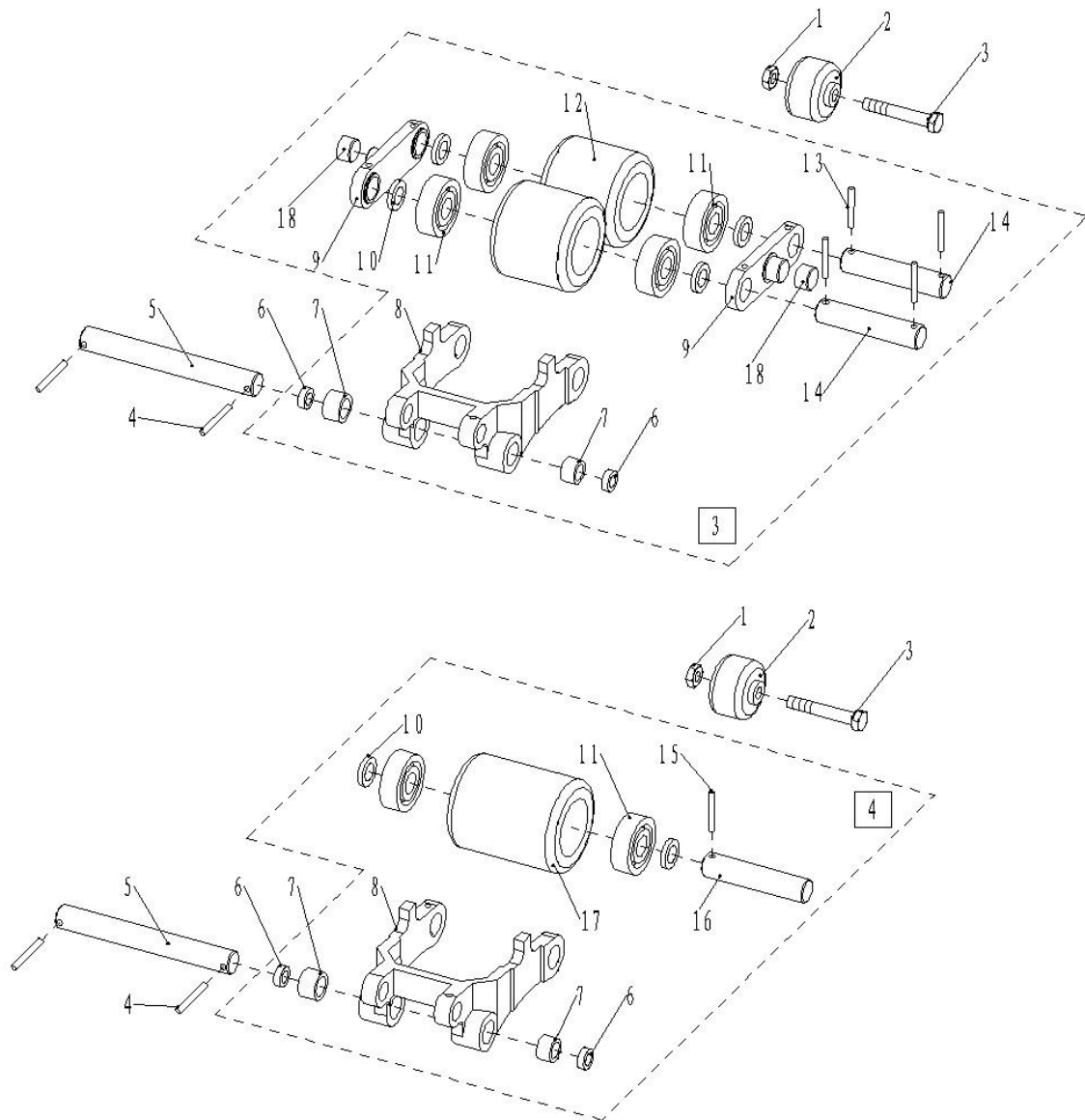


Fig. 2 Load Roller

No.	Art No.	Description	Mobile Part #	Qty.	Note
1	0000023005	Lock nut	ESET3-ELR1	2	M10
2	1000516001	Enter roller	ESET3-ELR2	2	
3	0000023004	Screw	ESET3-ELR3	2	M10X60
4	0000028016	Roll pin	ESET3-ELR4	4	φ5X30
5	1070307002	Shaft for roller	ESET3-ELR5	2	
6	1070302002	Anti-grazing roller	ESET3-ELR6	2	Φ20xΦ35x7
	1070302005			2	Φ20xΦ35x 8
7	0000027005	Bushing	ESET3-ELR7	4	22 X 20 X 12
8	1070305003	Frame for load roller	ESET3-ELR8	2	
9	9000002326	Link plate	ESET3-ELR9	4	Double wheel
10	1070325001	Washer	ESET3-ER10	8/4(D/S)	
11	0000027001	Bearing	ESET3-ELR11	8/4(D/S)	6204
12	9000002456	Wheel	ESET3-ELR12	4(Double)	φ80X70
13	0000028009	Roll pin	ESET3-ELR13	8(Double)	φ5X35
14	2000407001	Shaft for wheel	ESET3-ELR14	4(Double)	φ20X94
15	0000028009	Roll pin	ESET3-ELR15	2(Single)	φ5X35
16	2000407004	Shaft for wheel	ESET3-ELR16	2(Single)	φ20X131
17	2000416003	Wheel	ESET3-ELR17	2(Single)	φ80X93
18	9000002333	Bushing	ESET3-ELR18	4 (Double)	18 X 20 X 12

Fig. 3 Drive system

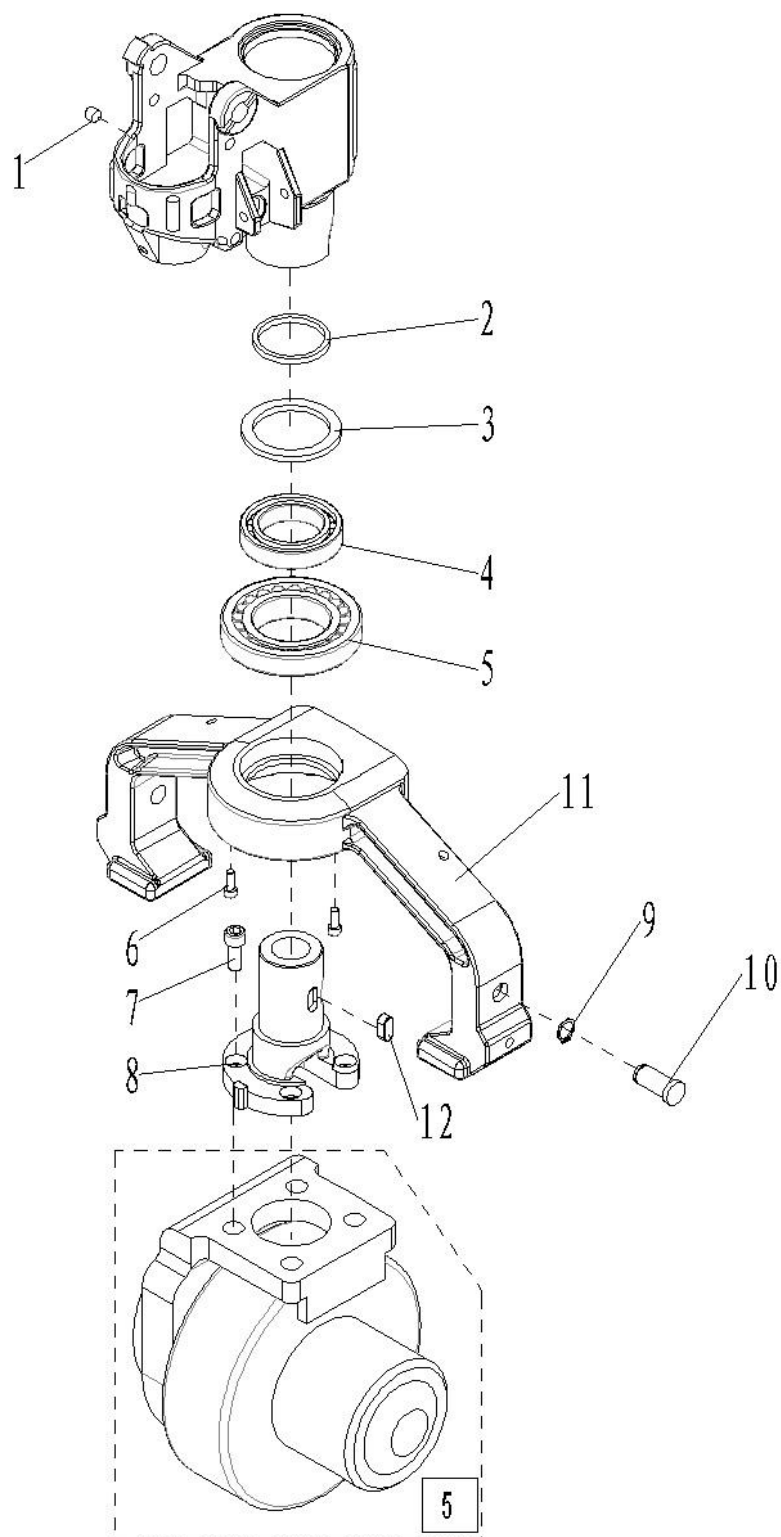


Fig. 3 Drive system

No.	Art No.	Mobile Part #	Description	Qty.	Note
1	0090000302	ESET3-EDS1	Screw	1	M10x12
2	9000002433	ESET3-EDS2	Washer	1	
3	9000002431	ESET3-EDS3	Dusty cover	1	
4	0000027065	ESET3-EDS4	Bearing	1	6010
5	0090000040	ESET3-EDS5	Tapered roller bearing	1	30212
6	0000023042	ESET3-EDS6	Screw	2	M6x10
7	0000023088	ESET3-EDS7	Screw	4	M10x25
8	9000002432	ESET3-EDS8	Connection flange	1	
9	0000026019	ESET3-EDS9	Retaining ring	2	16
10	9000001973	ESET3-EDS10	Shaft	2	
11	9000002430	ESET3-EDS11	Drive wheel block	1	
12	0090000303	ESET3-EDS12	Flat key	1	10x8x22
5	9000001023	ESET3-EDS13	Drive wheel	1	

Fig. 4 Hydraulic system

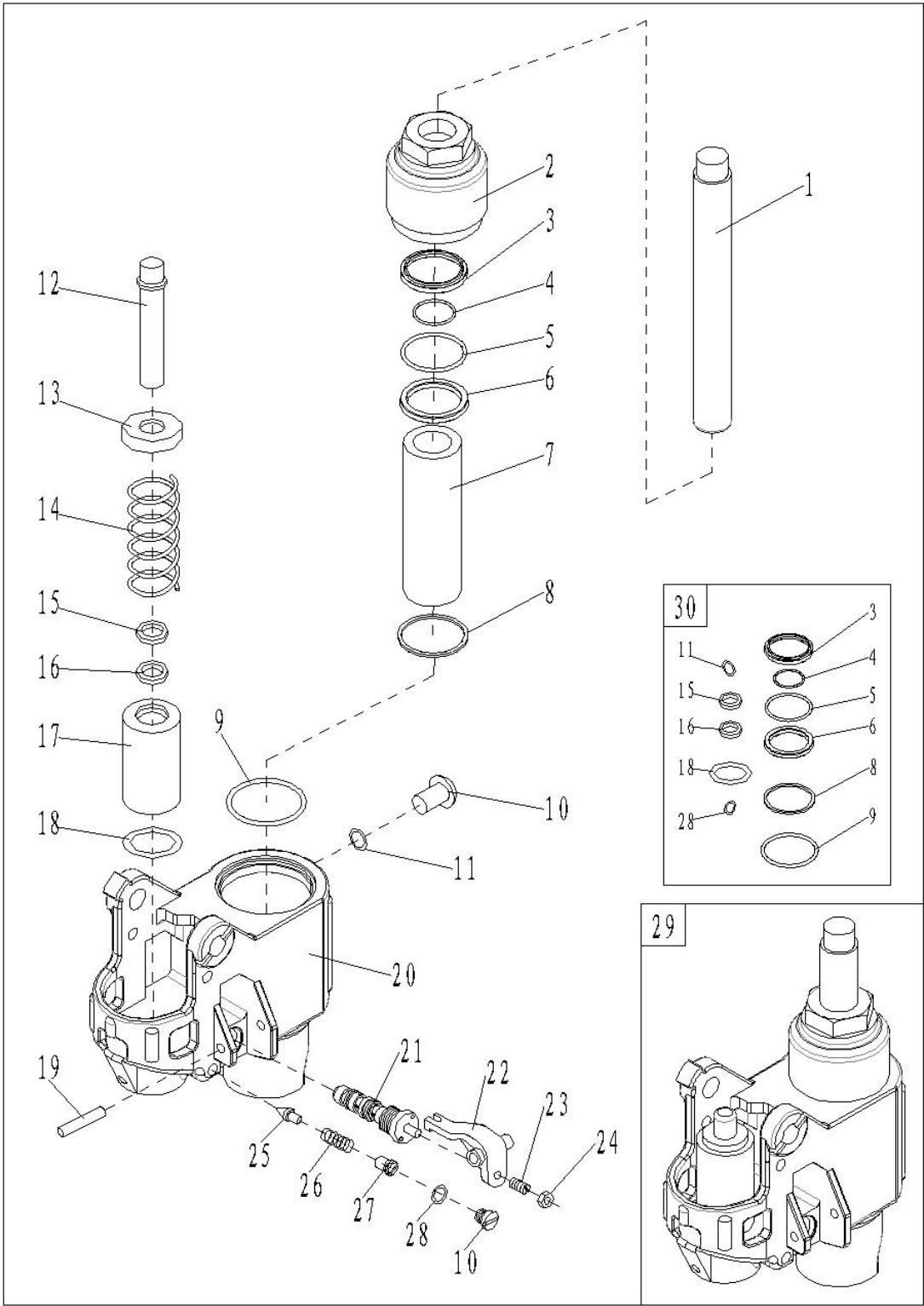


Fig. 4 Hydraulic system

No.	Art No.	Mobile Part #	Description	Qty.	Note
1	9000002466	ESET3-EHS1	Piston rod	1	
2	9000002467	ESET3-EHS2	Cover	1	
3	0090000230	ESET3-EHS3	Dust band	1	30×38×6.5
4	0000022304	ESET3-EHS4	O-ring	1	30×3.55
5	0000022309	ESET3-EHS5	O-ring	1	45×3.55
6	0000022226	ESET3-EHS6	Seal ring	1	30×40×6
7	9000002468	ESET3-EHS7	Cylinder body	1	
8	0000022210	ESET3-EHS8	O-ring	1	40×3.55
9	0000022025	ESET3-EHS9	O-ring	1	
10	1070202001	ESET3-EHS10	Screw	2	
11	1500222002	ESET3-EHS11	Seal ring	1	
12	9000002462	ESET3-EHS12	Small piston	1	
13	1070204002	ESET3-EHS13	Spring cover	1	
14	9000002461	ESET3-EHS14	Spring	1	
15	0090000273	ESET3-EHS15	Dust band	1	
16	0000022156	ESET3-EHS16	Y-ring	1	
17	1500202003	ESET3-EHS17	Small cylinder body	1	
18	1500222001	ESET3-EHS18	Seal ring	1	
19	0000028135	ESET3-EHS19	Pin	1	
20	9000002458	ESET3-EHS20	Pump body	1	

21	1500200001	ESET3-EHS21	Vale parts	1	
22	1500205002	ESET3-EHS22	Swing lever	1	
23	0000023551	ESET3-EHS23	Screw	1	
24	0000024112	ESET3-EHS24	Nut	1	
25	2800237007	ESET3-EHS25	Safety vale	1	
26	1500231006	ESET3-EHS26	Vale spring	1	
27	1500223005	ESET3-EHS27	Adjust screw	1	
28	0000025021	ESET3-EHS28	Washer	1	
29	9000002527	ESET3-EHS29	Hydraulic system	1	
30	9000002528	ESET3-EHS30	Seal-kit of pump	1	

Fig. 5 Drive wheel

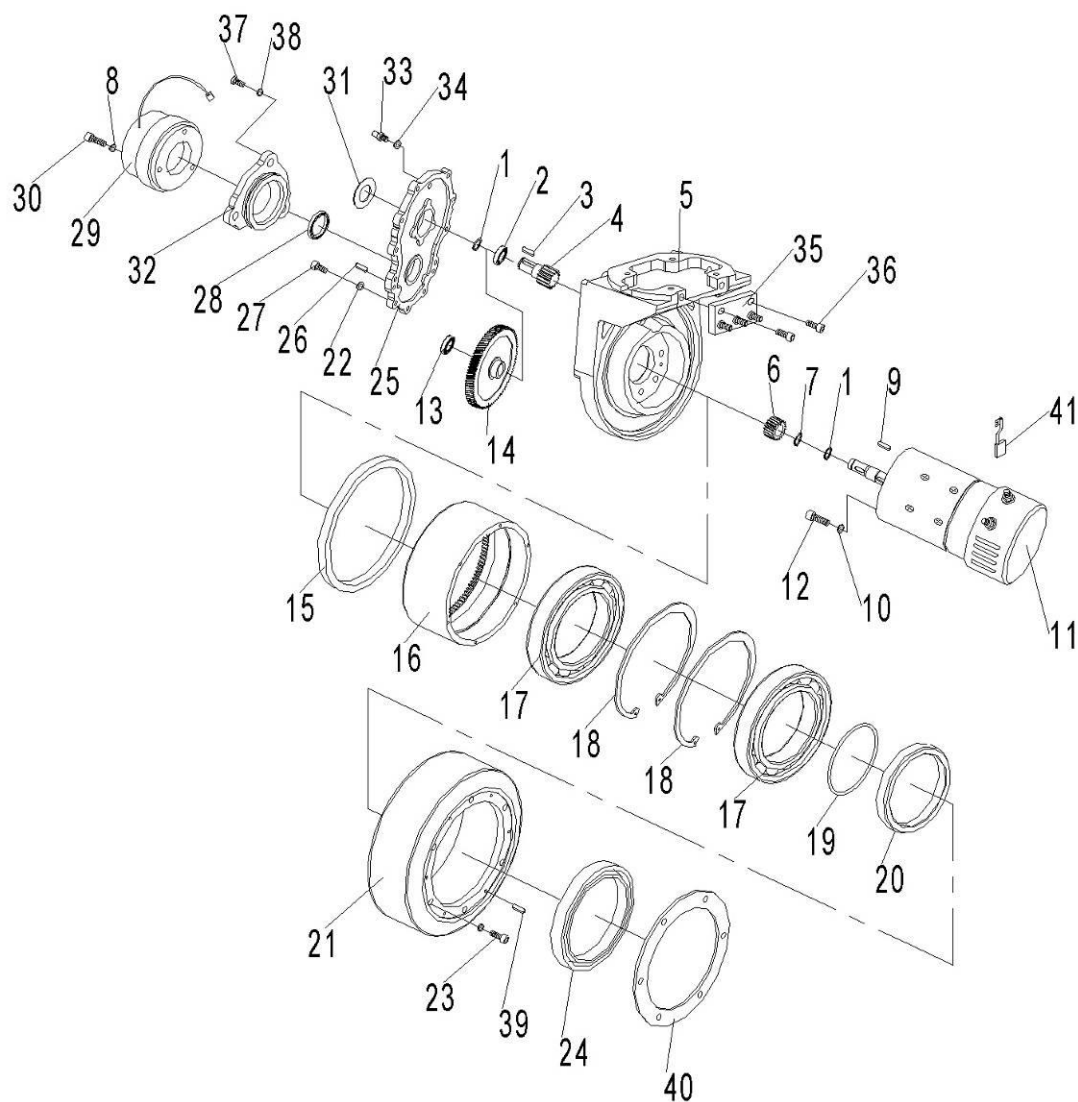


Fig. 5 Drive wheel

No.	Art No.	Mobile Part #	Description	Qty.	Note
1	0000026005	ESET3-EDW1	Retaining ring	2	17
2	0000027068	ESET3-EDW2	Bearing	1	6203
3	0000036005	ESET3-EDW3	Flat key	1	5X18
4	9000002136	ESET3-EDW4	Gear shaft	1	19EL100005
5	9000002137	ESET3-EDW5	Gear box	1	19EL100001
6	1070309001	ESET3-EDW6	Small gear	1	
7	0000026004	ESET3-EDW7	Retaining ring	1	15
8	0000025009	ESET3-EDW8	Elastic washer	3	4

9	0000036002	ESET3-EDW9	Flat key	1	5X15
10	0000025020	ESET3-EDW10	Washer	5	8
11	9000002138	ESET3-EDW11	Magnet motor	1	0.65KW
12	0000023061	ESET3-EDW12	Screw	5	M8X25
13	0000027086	ESET3-EDW13	Bearing	1	61905
14	1070309002	ESET3-EDW14	Big gear	1	
15	0090000178	ESET3-EDW15	Skeleton oil seal	1	160X174X10
16	9000002139	ESET3-EDW16	Internal gear ring	1	19EL100008
17	0090000179	ESET3-EDW17	Bearing	2	61824
18	0090000180	ESET3-EDW18	Retaining ring	2	150
19	0090000181	ESET3-EDW19	O-ring	1	115X2.65
20	9000002140	ESET3-EDW20	Block filter seal	1	19EL100009
21	9000002141	ESET3-EDW21	Wheel	1	19EL110000
22	0000025006	ESET3-EDW22	Elastic washer	11	6
23	0090000182	ESET3-EDW23	Screw	10	M5X14
24	9000002142	ESET3-EDW24	Sealing ring	1	19EL100011
25	1070302007	ESET3-EDW25	Gear box cover	1	
26	0000028144	ESET3-EDW26	Roll pin	2	B6X20
27	0000023063	ESET3-EDW27	Screw	11	M6X16
28	0090000183	ESET3-EDW28	Skeleton oil seal	1	17X28X7
29	1070335002	ESET3-EDW29	Electromagnetic	1	
30	0000023674	ESET3-EDW30	Screw	3	M4X45
31	1070302008	ESET3-EDW31	Cover	1	
32	1070302009	ESET3-EDW32	Protection cover	1	
33	1000237001	ESET3-EDW33	Vent-plug	1	M10X1
34	0000025021	ESET3-EDW34	Combination washer	1	10
35	1070302010	ESET3-EDW35	Cable fixing plate	1	
36	0000023675	ESET3-EDW36	Screw	2	M5X16
37	0000023065	ESET3-EDW37	Screw	3	M5X25
38	0000025012	ESET3-EDW38	Elastic washer	13	5
39	0090000184	ESET3-EDW39	Roll pin	2	5x20
40	0090000185	ESET3-EDW40	O-ring	1	140x2.65
41	9000002143	ESET3-EDW41	Carbon brush	1	

Fig. 6 Castors

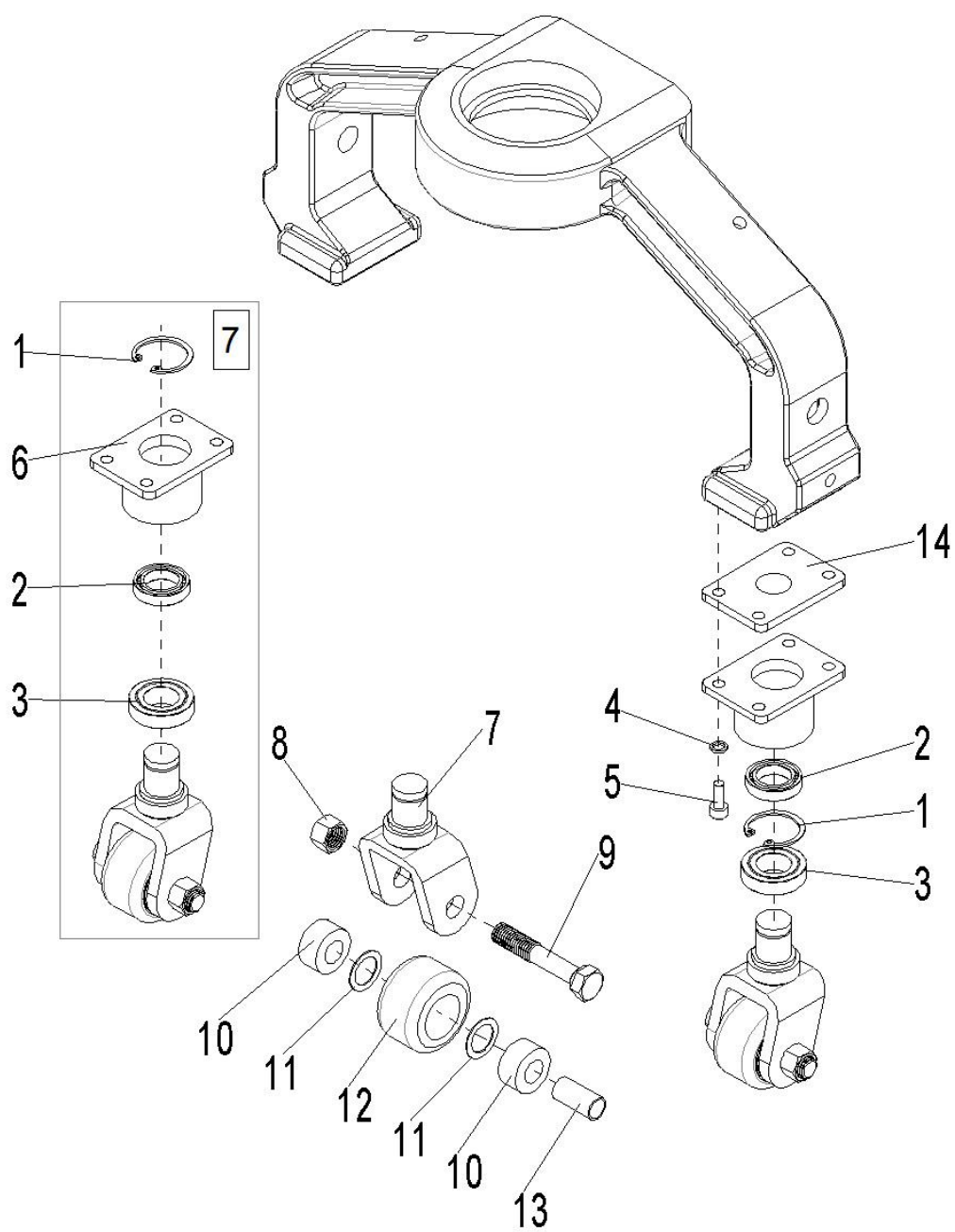


Fig. 6 Castors

No.	Art No.	Mobile Part #	Description	Qty.	Note
1	0000026003	ESET3-EC1	Retaining ring	2	20
2	0000027082	ESET3-EC2	Bearing	2	61804
3	0090000079	ESET3-EC3	Bearing	2	32904
4	0000025010	ESET3-EC4	Elastic washer	8	6
5	0000023040	ESET3-EC5	Screw	8	M6x16
6	9000007432	ESET3-EC6	Wheel frame	2	
7	9000007433	ESET3-EC7	Castor frame	2	
8	0000024006	ESET3-EC8	Lock nut	2	M12
9	0090000169	ESET3-EC9	Screw	2	M12x65
10	0000027037	ESET3-EC10	Bearing	4	
11	1070225001	ESET3-EC11	Washer	4	17.5X25X0.8
12	1070216001	ESET3-EC12	Wheel	2	
13	1070213004	ESET3-EC13	Shaft sleeve	2	
14	9000001918	ESET3-EC14	Adjustment washer	Opt.	
15	9000001906	ESET3-EC15	Support wheel	2	

Fig. 7 Tiller

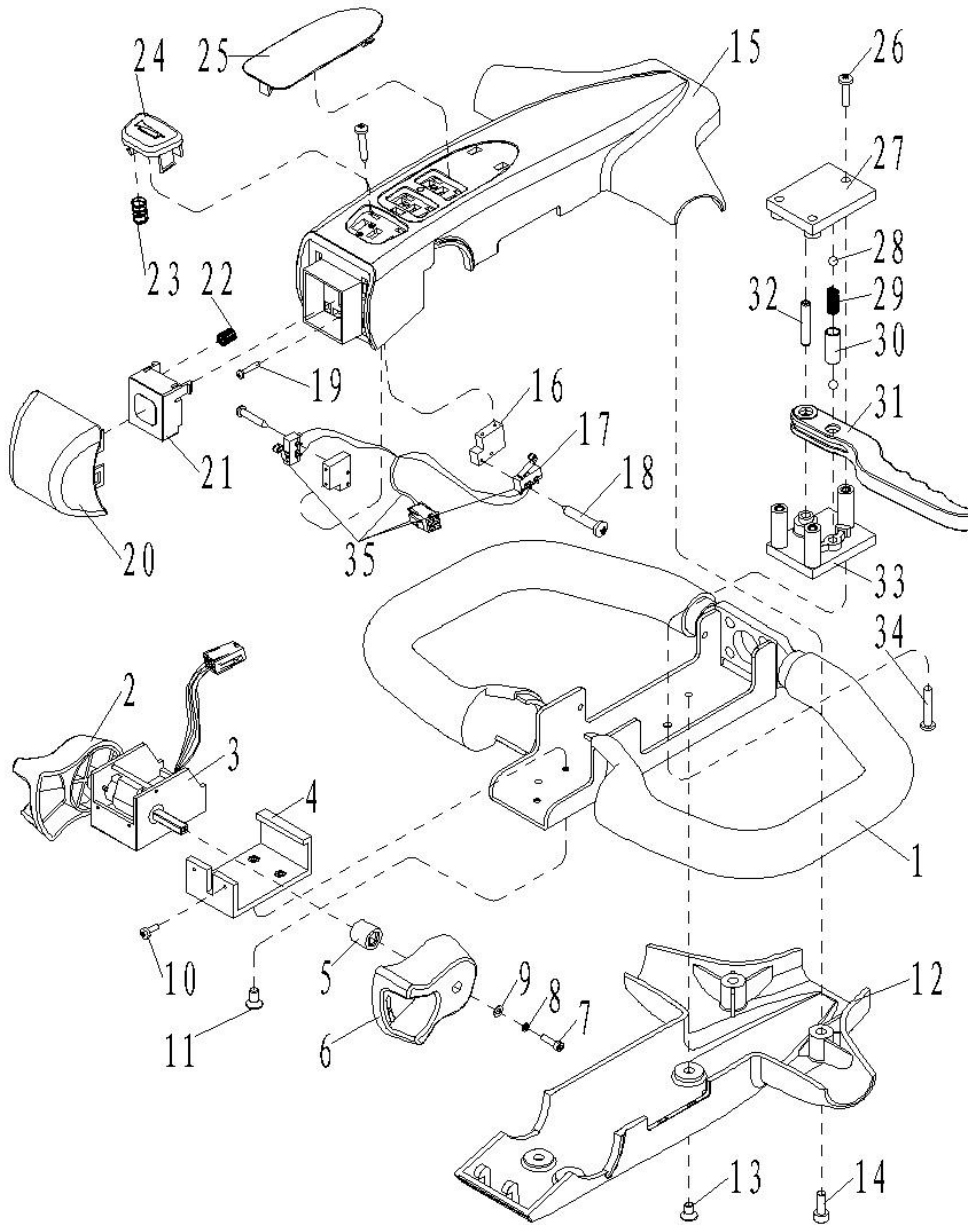


Fig. 7 Tiller

No.	Art No.	Mobile Part #	Description	Qty.	Note
1	9000002189	ESET3-ET1	Tiller block	1	Rubber
2	9000002175	ESET3-ET2	Left drive button	1	
3	9000001133	ESET3-ET3	Accelerator	1	BD-126
4	9000002177	ESET3-ET4	Connector	1	
5	9000002188	ESET3-ET5	Plastic cover	2	
6	9000002176	ESET3-ET6	Right drive button	1	
7	0000023304	ESET3-ET7	Screw	2	M3X12
8	0000025003	ESET3-ET8	Elastic washer	2	3
9	0000025026	ESET3-ET9	Washer	2	3
10	0090000190	ESET3-ET10	Screw	2	M3X8
11	0090000189	ESET3-ET11	Screw	3	M4X8
12	9000002358	ESET3-ET12	Lower cover	1	
13	0000023138	ESET3-ET13	Screw	4	M6X10
14	0000023040	ESET3-ET14	Screw	2	M6X16
15	9000002357	ESET3-ET15	Upper cover	1	
16	9000002310	ESET3-ET16	Micro switch plate	2	
17	9000002161	ESET3-ET17	Micro switch	2	
18	0090000261	ESET3-ET18	Screw	4	ST2.2 X 13
19	0090000262	ESET3-ET19	Tapping screw	4	ST2.2 X 9.5
20	9000002180	ESET3-ET20	Belly button	1	
21	9000002181	ESET3-ET21	Belly block	1	
22	9000002182	ESET3-ET22	Spring	4	
23	9000002186	ESET3-ET23	Spring	2	
24	9000002183	ESET3-ET24	Horn	1	
25	9000002356	ESET3-ET25	Sticker	1	
26	0000023540	ESET3-ET26	Screw	3	M5X20
27	9000002355	ESET3-ET27	Lower plate	1	
28	0000037035	ESET3-ET28	Steel ball	2	Φ7.5
29	1070131001	ESET3-ET29	Spring	1	
30	1070102002	ESET3-ET30	Spring cover	1	
31	9000002351	ESET3-ET31	Finger lever	1	
32	0000028113	ESET3-ET32	Pin	1	
33	9000002354	ESET3-ET33	Upper plate	1	
34	0000023153	ESET3-ET34	Screw	3	M5X30
35	9000002190	ESET3-ET35	Micro switches 1	1	

Fig. 8 Tiller arm

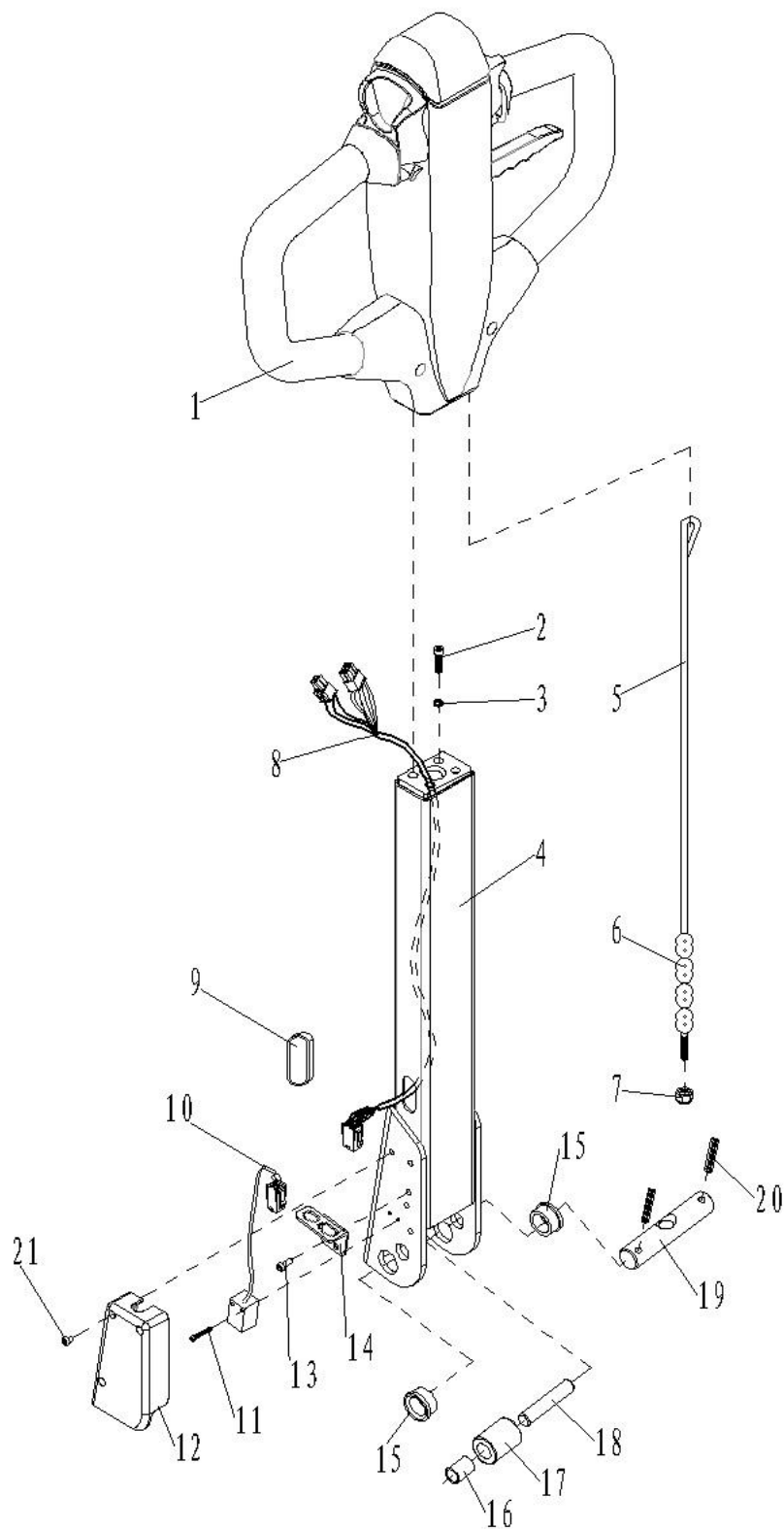


Fig. 8 Tiller arm

No.	Art No.	Mobile Part #	Description	Qty.	Note
1	9000002350	ESET3-ETA1	Tiller	1	
2	0000023061	ESET3-ETA2	Screw	4	M8x25
3	0000025004	ESET3-ETA3	Elastic washer	4	8
4	9000002438	ESET3-ETA4	Tiller arm	1	
5	9000002448	ESET3-ETA5	Steel wire	1	
6	0000029216	ESET3-ETA6	Roller chain	1	
7	0000024007	ESET3-ETA7	Lock nut	1	M5
8	9000002419	ESET3-ETA8	Cable	1	
9	1070118001	ESET3-ETA9	Protection cover	1	
10	9000002319	ESET3-ETA10	Proximity switch	1	NBN5-FT-E2
11	0000023685	ESET3-ETA11	Screw	2	M3x25
12	9000002443	ESET3-ETA12	Protection cover	1	
13	0000023052	ESET3-ETA13	Screw	2	M4X8
14	9000002447	ESET3-ETA14	Connection plate	1	
15	0000013013	ESET3-ETA15	Compound set	2	20X22X15
16	9000002435	ESET3-ETA16	Compound set	1	15X17X20
17	9000002437	ESET3-ETA17	Pressure wheel	1	
18	9000002436	ESET3-ETA18	Shaft of pressure wheel	1	
19	9000002442	ESET3-ETA19	Shaft of tiller	1	
20	0000028009	ESET3-ETA20	Pin	2	5X35
21	0000023853	ESET3-ETA21	Screw	3	M4X16

Fig. 9 Connection of the head

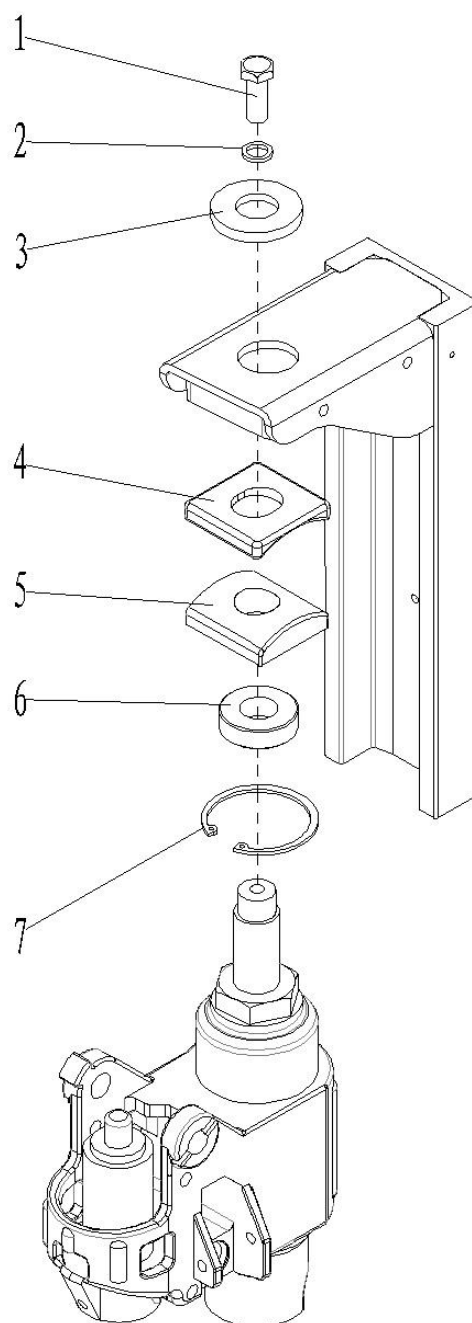


Fig. 9 Connection of the head

No.	Art No.	Mobile Part #	Description	Qty.	Note
1	0000023034	ESET3-ECH1	Screw	1	M10x20
2	0000023006	ESET3-ECH2	Elastic washer	1	10
3	9000002469	ESET3-ECH3	Chock block	1	
4	9000001988	ESET3-ECH4	Support plate	1	
5	9000002464	ESET3-ECH5	Bearing plate	1	
6	0090000304	ESET3-ECH6	Bearing	1	
7	0000026002	ESET3-ECH7	Elastic retaining rings	1	52

Fig. 10 Control system

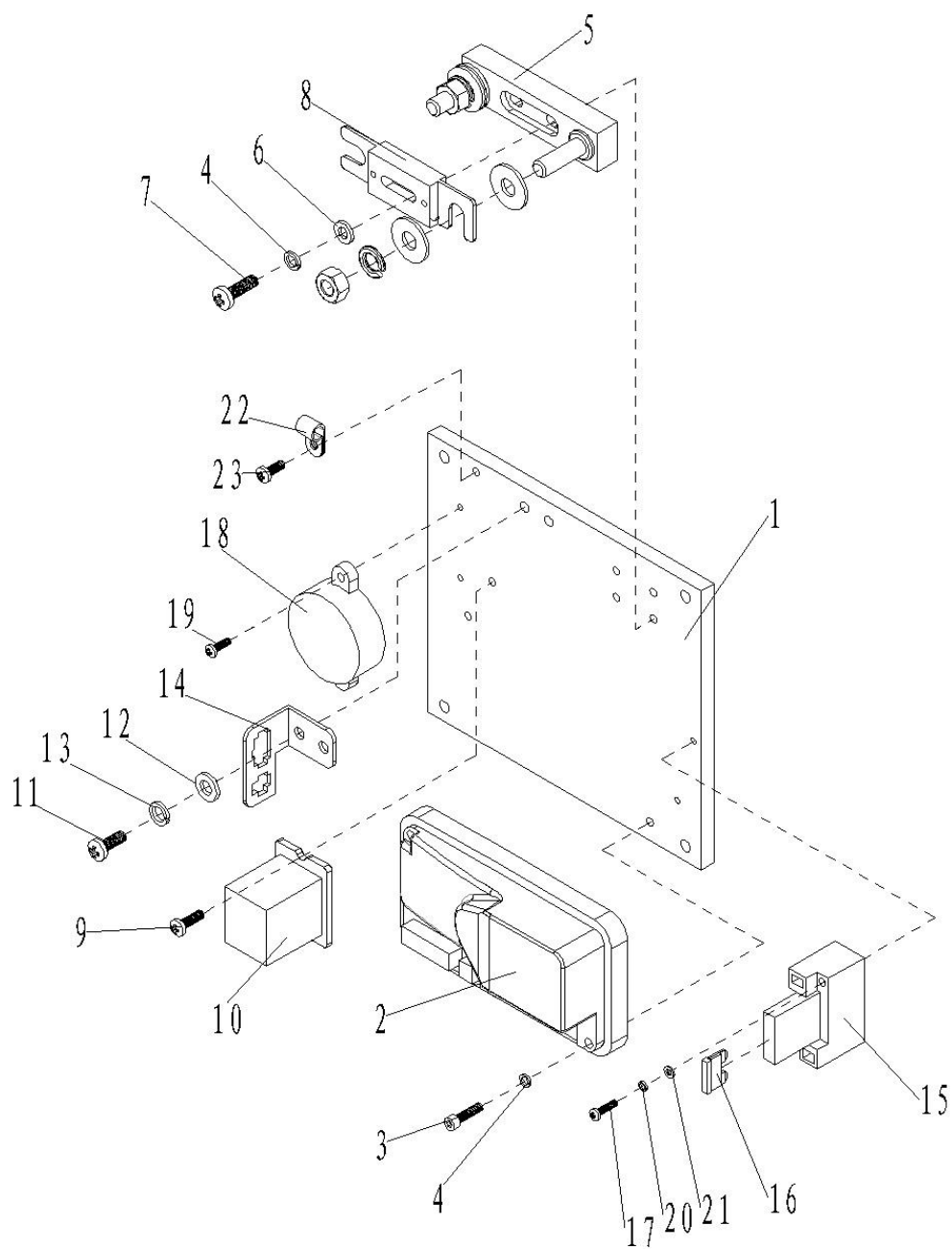


Fig. 10 Control System

No.	Art No.	Mobile Part #	Description	Qty.	Note
1	9000002066	ESET3-ECS1	Aluminum plate	1	
2	9000002067	ESET3-ECS2	Controller	1	CURTIS 1212-2501
3	0000023033	ESET3-ECS3	Screw	2	M4x25
4	0000025018	ESET3-ECS4	Elastic washer	4	4
5	1000434007	ESET3-ECS5	Fuse holder	1	
6	0000025019	ESET3-ECS6	Washer	2	4
7	0000023211	ESET3-ECS7	Screw	2	M4x16
8	1000434020	ESET3-ECS8	Fuse	1	60A
9	0000023071	ESET3-ECS9	Screw	2	M4x8
10	1070335001	ESET3-ECS10	Protection mode	1	BD-W-115
11	0000023516	ESET3-ECS11	Screw	2	M5x10
12	0000025014	ESET3-ECS12	Washer	2	5
13	0000025015	ESET3-ECS13	Elastic washer	2	5
14	1000404005	ESET3-ECS14	Connector plate	1	
15	1000434021	ESET3-ECS15	Fuse holder	1	BD-1X10A
16	1000434040	ESET3-ECS16	Blade fuse	1	10A
17	0000023074	ESET3-ECS17	Screw	2	M3x30
18	9000002321	ESET3-ECS18	Buzzer	1	HYD-4216W 24VDC
19	0000023648	ESET3-ECS19	Screw	2	M3x8
20	0000025003	ESET3-ECS20	Elastic washer	2	3
21	0000025026	ESET3-ECS21	Washer	2	3
22	1000403004	ESET3-ECS22	Cable holder	1	UC-2
23	0000023307	ESET3-ECS23	Screw	1	M4x10

Fig. 11 Electrical System

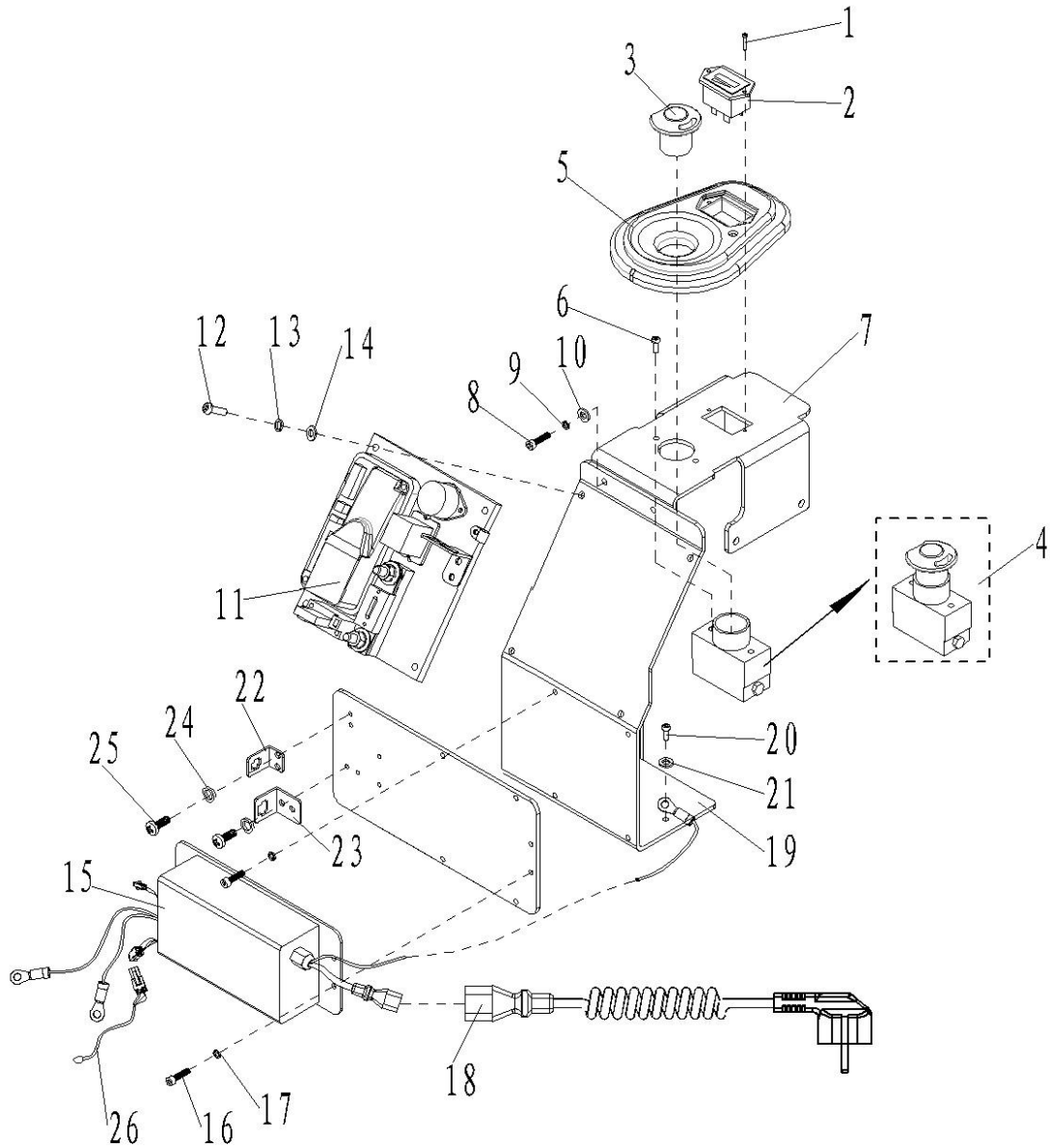


Fig. 11 Electrical System

No.	Art No.	Mobile Part #	Description	Qty.	Note
1	0090000083	ESET3-EES1	Screw	2	M3x25
2	9000001976	ESET3-EES2	Indicator	1	Curtis906
3	9000002163	ESET3-EES3	Key	1	S100/80
4	1070334008	ESET3-EES4	Emergency button	1	S100/80
5	9000001977	ESET3-EES5	Instrument panel	1	
6	0000023311	ESET3-EES6	Screw	2	M5x10
7	9000001975	ESET3-EES7	Instrument plate	1	
8	0000023555	ESET3-EES8	Screw	2	M6x16
9	0000025010	ESET3-EES9	Elastic washer	2	6
10	0000023055	ESET3-EES10	Washer	2	6
11	9000002454	ESET3-EES11	Control board	1	
12	0000023107	ESET3-EES12	Screw	4	M5x16
13	0000025015	ESET3-EES13	Elastic washer	4	5
14	0000025014	ESET3-EES14	Washer	4	5
15	9000002427	ESET3-EES15	Charger 24V/5A QQE120-9CH61	1	
16	0000023071	ESET3-EES16	Screw	4	M4x8
17	1000418002	ESET3-EES17	Washer	4	
18	1010434009	ESET3-EES18	Power cord	1	Option
19	9000001961	ESET3-EES19	Electrical board	1	
20	0000023058	ESET3-EES20	Screw	1	M6x10
21	1000425002	ESET3-EES21	Washer	1	
22	1010404005	ESET3-EES22	Connection plate	1	
23	1010404006	ESET3-EES23	Connection plate	1	
24	0000025012	ESET3-EES24	Elastic washer	4	5
25	0000023049	ESET3-EES25	Screw	4	M5x12
26	1010434016	ESET3-EES26	LED light	1	

Fig. 12 Truck Body

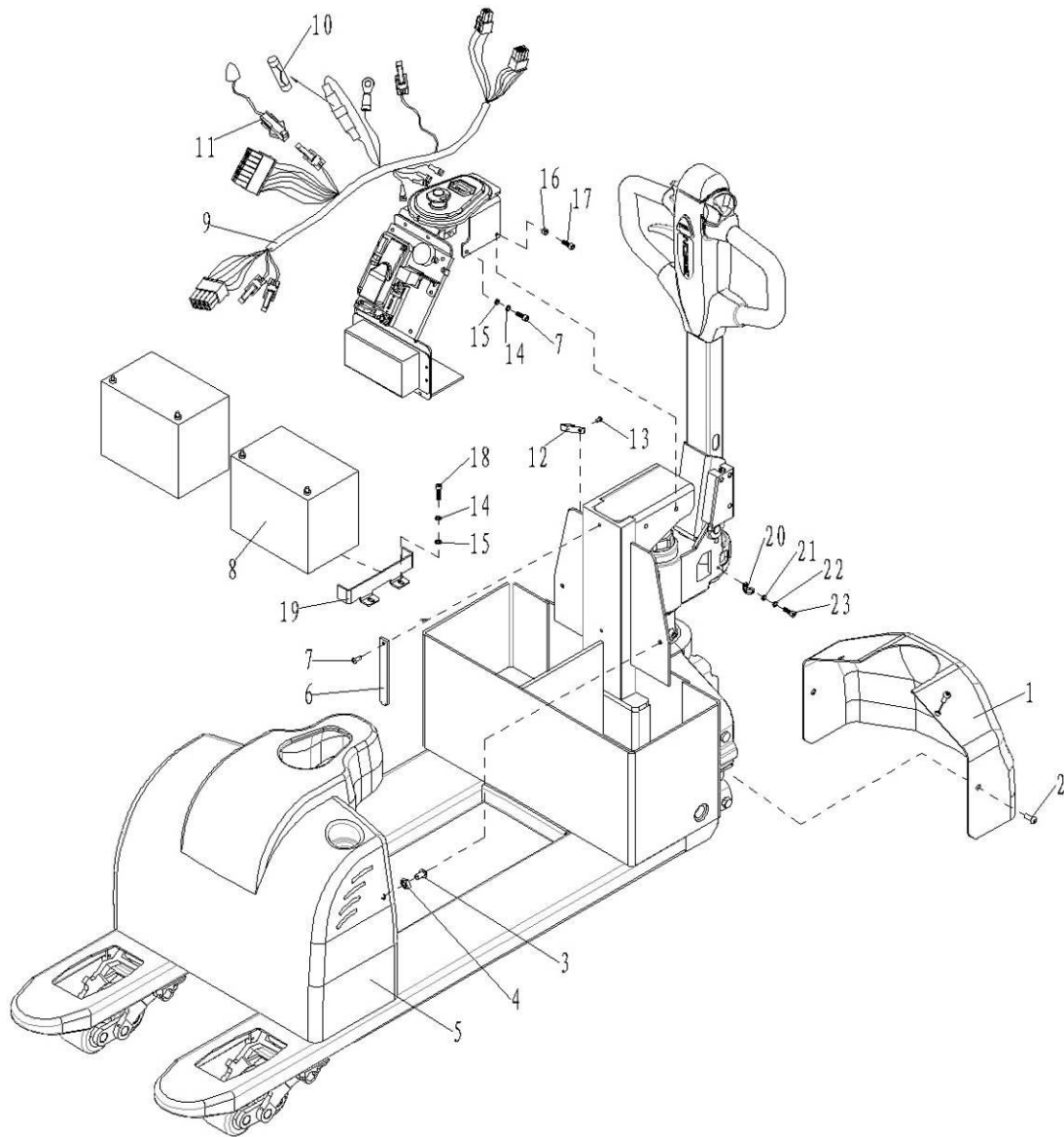


Fig. 12 Truck Body

No.	Art No.	Mobile Part #	Description	Qty.	Note
1	9000001914	ESET3-ETB1	Motor cover	1	
2	1010423001	ESET3-ETB2	Screw	6	M8x20
3	1000423001	ESET3-ETB3	Screw	2	
4	2040424001	ESET3-ETB4	Active nuts	2	M10-5
5	9000001969	ESET3-ETB5-20.5	Cover	1	540
	9000009800	ESET3-ETB5-27		1	685
6	9000001978	ESET3-ETB6	Support reinforcement	1	
7	0000023629	ESET3-ETB7	Screw	8	M6x16
8	1070332001	ESET3-ETB8	Battery	2	12V/40Ah
9	9000002420	ESET3-ETB9	Control cable	1	
10	9000002324	ESET3-ETB10	Fuse 5*20 0.5A	1	
11	9000002192	ESET3-ETB11	Fault display LED	1	
12	9000002325	ESET3-ETB12	Mount UC-5	3	
13	0000023052	ESET3-ETB13	Screw	3	
14	0000025010	ESET3-ETB14	Elastic washer	6	
15	0000023055	ESET3-ETB15	Washer	6	
16	9000001979	ESET3-ETB16	Ring	2	
17	0000023030	ESET3-ETB17	Screw	2	M6x25
18	0000023053	ESET3-ETB18	Screw	4	M6x12
19	9000002475	ESET3-ETB19	Battery fixed plate	2	
20	9000002572	ESET3-ETB20	Wiring fixing plate	1	
21	0000025008	ESET3-ETB21	Washer	1	4
22	0000025009	ESET3-ETB22	Elastic washer	1	4
23	0000023016	ESET3-ETB23	Screw	1	M4x12

Fig. 13 Cables

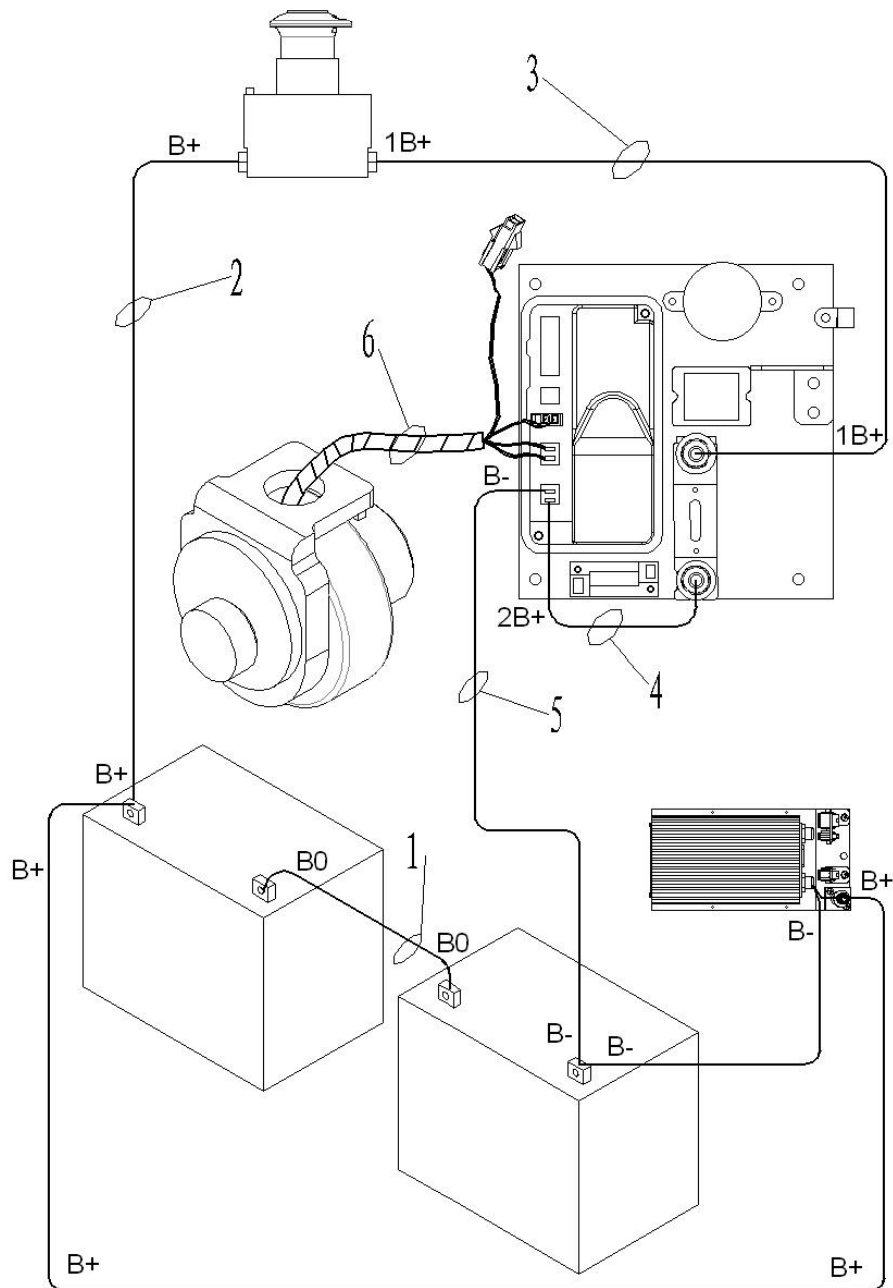


Fig. 13 Cables

No.	Art No.	Mobile Part #	Description	Qty.	Note
1	9000002421	ESET3-ECB1	B0 line	1	
2	9000002422	ESET3-ECB2	B+ line	1	
3	9000002423	ESET3-ECB3	1B+ line	1	
4	9000002424	ESET3-ECB4	2B+ line	1	
5	9000002425	ESET3-ECB5	B- line	1	
6	9000002426	ESET3-ECB6	Drive wheel line	1	
7	1020434003	ESET3-ECB7	PB- line	1	

Fig. 14 Sticker for EU

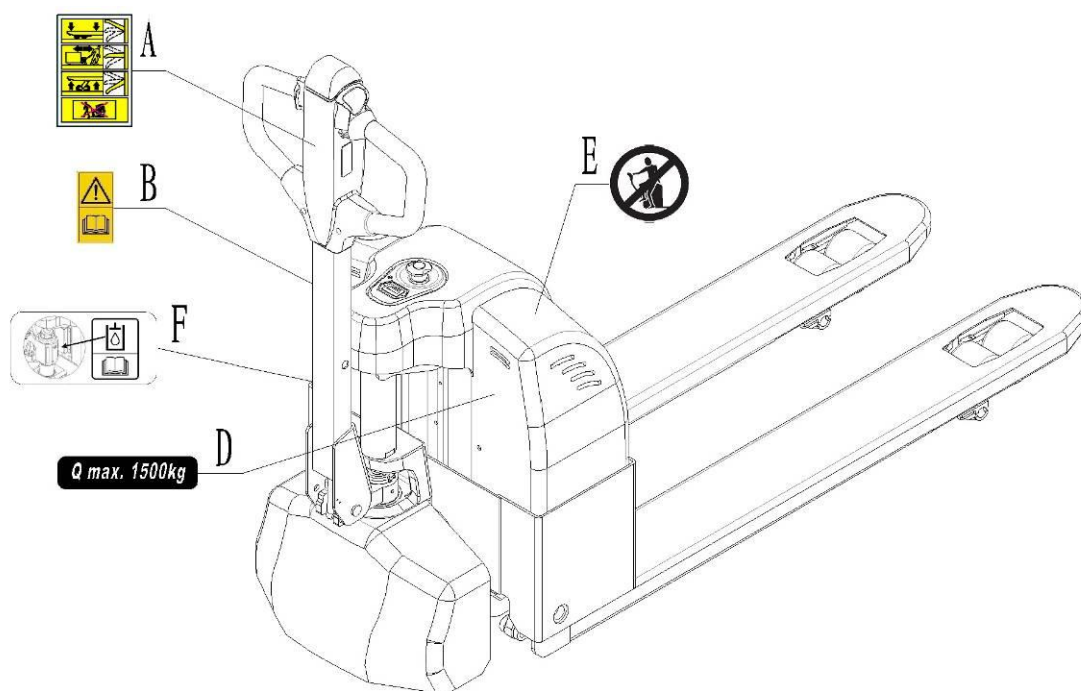


Fig. 14 Sticker for EU

No.	Art No.	Mobile Part #	Description	Qty.	Note
A	9000003569	ESET3-ESEU-A	Sign operating instruction	1	
B	9000003570	ESET3-ESEU-B	Sign read and follow this instruction	1	
D	9000003572	ESET3-ESEU-D	Sign capacity sticker	1	
E	9000003573	ESET3-ESEU-E	'No passengers' decal	1	
F	9000003574	ESET3-ESEU-F	Oil filling point	1	

Fig. 15 Sticker for US

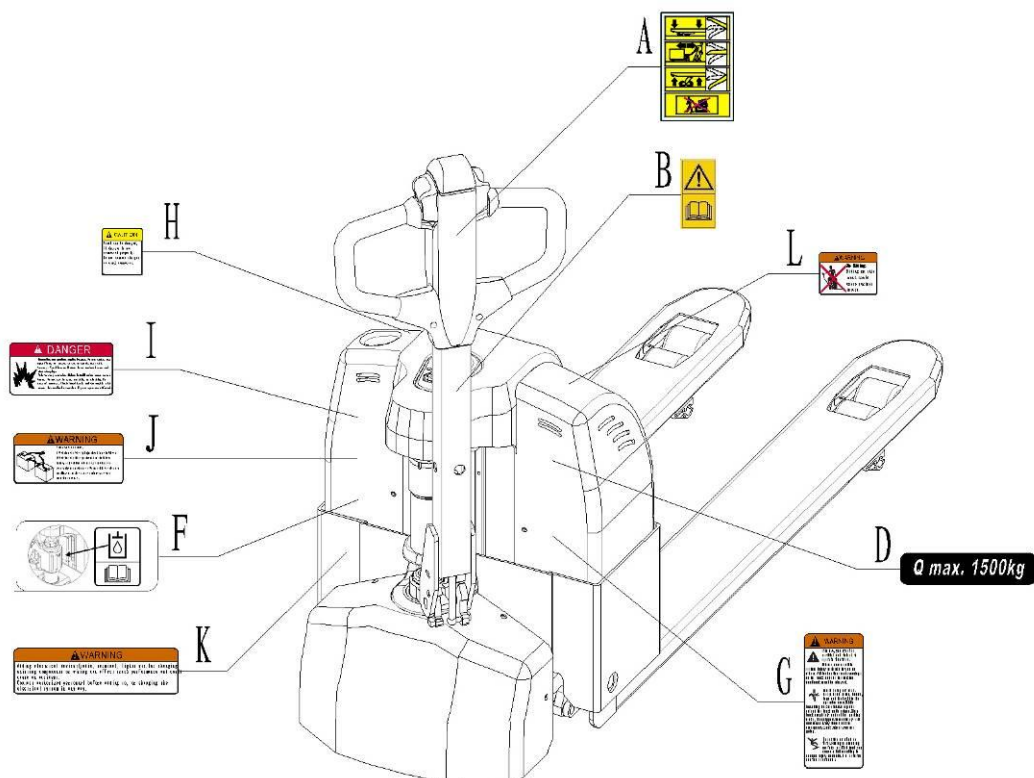


Fig. 15 Sticker for US

No.	Art No.	Mobile Part #	Description	Qty.	Note
A	9000003569	ESET3-ESUS-A	Sign operating instruction	1	
B	9000003570	ESET3-ESUS-B	Sign read and follow this instruction	1	
D	9000003572	ESET3-ESUS-D	Sign capacity sticker	1	
F	9000003574	ESET3-ESUS-F	Oil filling point	1	
G	9000003575	ESET3-ESUS-G	Sign warning stay clear stop truck	1	
H	9000003576	ESET3-ESUS-H	Sign caution charger	1	
I	9000003577	ESET3-ESUS-I	Sign danger battery	1	
J	9000003578	ESET3-ESUS-J	Sign warning battery size	1	
K	9000003579	ESET3-ESUS-K	Sign warning electrical devices	1	
L	9000003580	ESET3-ESUS-L	Sign danger not riding	1	



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