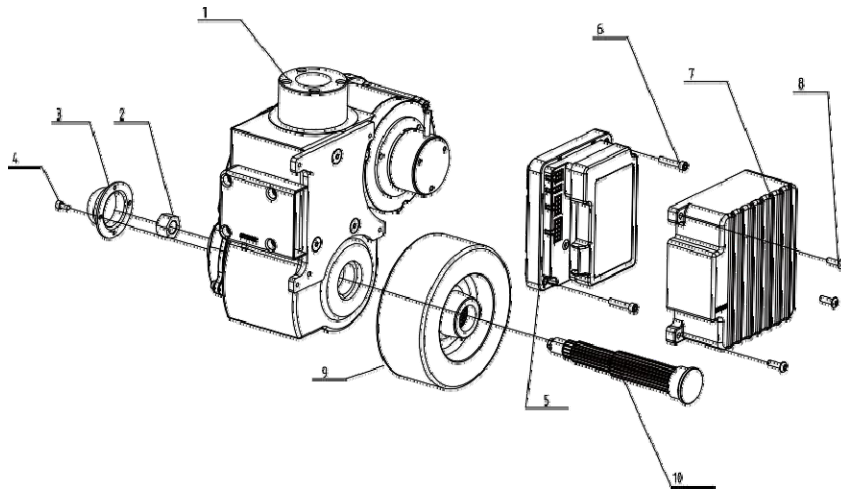


6. Drive Wheel Disassemble Introductions

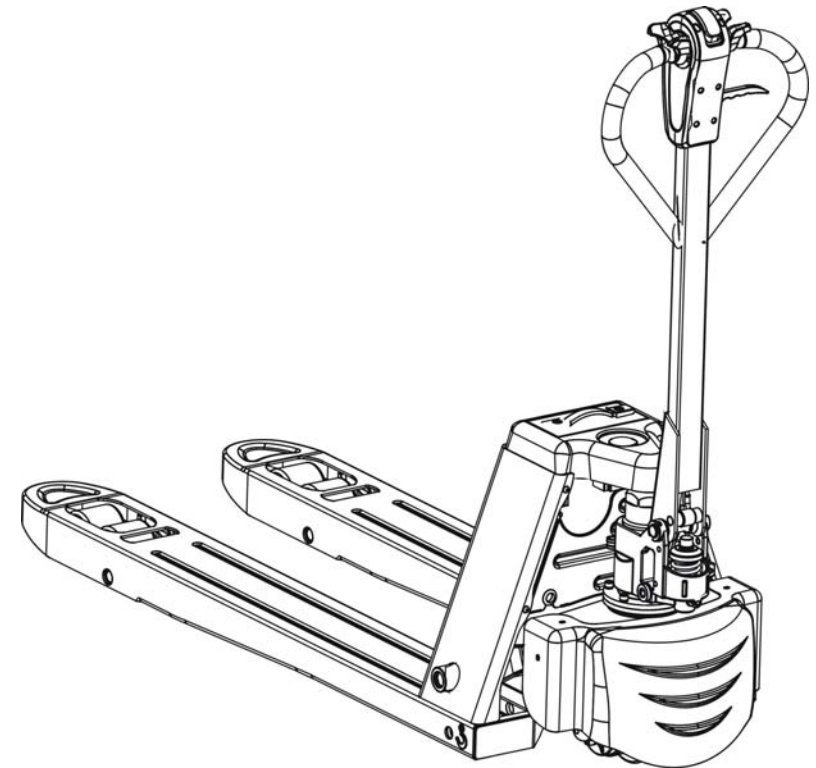
1. Let the drive wheel #10 suspend.
2. Dismantle controller cover (#7) by removing 3 bolts #8.
3. Loosen controller (#5) by removing 2 bolts #6. Avoid force on wires.
4. Dismantle nut cover (#3) by removing 4 bolts #4.
5. Remove nut #2, gently knock out the wheel shaft #9 and remove drive wheel #10.

No.	Reference
1	drive assembly
2	nut
3	nut cover
4	bolt x 4
5	controller

No.	Reference
6	bolt
7	controller cover
8	bolt
9	drive wheel
10	wheel shaft



Parts Manual



- Warning** Read and observe all warnings on this unit before operating it.
- Warning** DO NOT operate this equipment unless all factory installed guards and shields are properly secured in place.

PARTS ORDERING INSTRUCTIONS

HOW TO ORDER

When ordering the parts, please supply part number, parts name, quantity, model and serial number of your machine. Supplying this information will assure prompt, efficient handling of your order.

Since your dealer carries many parts in stock and maintains up-to-date prices on all parts, he will be able to process your order immediately. If, for some reasons, the parts is not in stock, he will order it from the factory. In either event, he maintains a current file of service manuals, which give all available parts ordering or technical information.

WHERE TO ORDER

Always order parts from the dealer who sold you the machine. If it is necessary for the dealer to order parts from the factory, he is able to get prompt service for you. Parts are shipped in accordance with shipping instructions given on the order.

INSTRUCTION FOR RETURNING PARTS

Under NO CIRCUMSTANCES parts will be accepted at the factory for credit without prior approval. We can not accept responsibility for parts returned without authorization.

If you have some parts which must be returned, contact your dealer. If he believes parts be returned, he will arrange for authorization to return the parts.

CHANGES

When changes are made to the machine, revised pages for this manual will be issued. These pages must be inserted in your parts manual as soon as they are received. Failure to keep your parts manuals up to date will result in confusion and may cause you to order wrong parts.

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This exploded perspective view shows the assembly of a bicycle seat. The main components are labeled as follows:

- 1**: The main seat body, which is curved and has a central opening.
- 2**: A small, rectangular component, likely a saddle cover or a small saddle, positioned below the main seat body.
- 3**: A long, thin, curved component, likely a seat post or a support arm, positioned to the right of the main seat body.
- 4**: A small, rectangular component, likely a saddle cover or a small saddle, positioned below the main seat body.
- 5**: A small, rectangular component, likely a saddle cover or a small saddle, positioned below the main seat body.
- 6**: A long, thin, curved component, likely a seat post or a support arm, positioned to the right of the main seat body.
- 7**: A small, rectangular component, likely a saddle cover or a small saddle, positioned below the main seat body.
- 8**: A small, rectangular component, likely a saddle cover or a small saddle, positioned below the main seat body.
- 9**: A small, rectangular component, likely a saddle cover or a small saddle, positioned below the main seat body.
- 10**: A small, rectangular component, likely a saddle cover or a small saddle, positioned below the main seat body.
- 11**: A small, rectangular component, likely a saddle cover or a small saddle, positioned below the main seat body.
- 12**: A small, rectangular component, likely a saddle cover or a small saddle, positioned below the main seat body.
- 13**: A small, rectangular component, likely a saddle cover or a small saddle, positioned below the main seat body.
- 14**: A small, rectangular component, likely a saddle cover or a small saddle, positioned below the main seat body.
- 15**: A small, rectangular component, likely a saddle cover or a small saddle, positioned below the main seat body.
- 16**: A small, rectangular component, likely a saddle cover or a small saddle, positioned below the main seat body.
- 17**: A small, rectangular component, likely a saddle cover or a small saddle, positioned below the main seat body.

Item	Part No.	DESCRIPTION	QTY
1	30301015	Handle body	1
2	30301012	Control box assy.	1
	31201007	Control box assy.(Intelligent control) option	(1)
3	31202001	Relief handgrip	1
4	30102088	Positioning roller	1
5	30102089	Blade Spring	1
6	30102090	Relief chain	1
7	21402003	Self-lubricating bearing 20X30X16.5	2
8	20901001	Spring pin Ø5x35	2
9	30102020	Handle shaft for standard pump	1
	30102145	Handle shaft for quick-lift pump	1
10	30102091	Torsional Spring	1
11	20901005	Spring pin	1
12	20901006	Spring pin	1
13	30301002	Handle body assy.	1
14	31101080	Remote control (Intelligent control) option	2
15	31102038	Pressure Roller with bearing	1
16	31102039	Roller Axle	1
17	20901010	Spring pin 4*20	1

Fig.2 Control box assembly

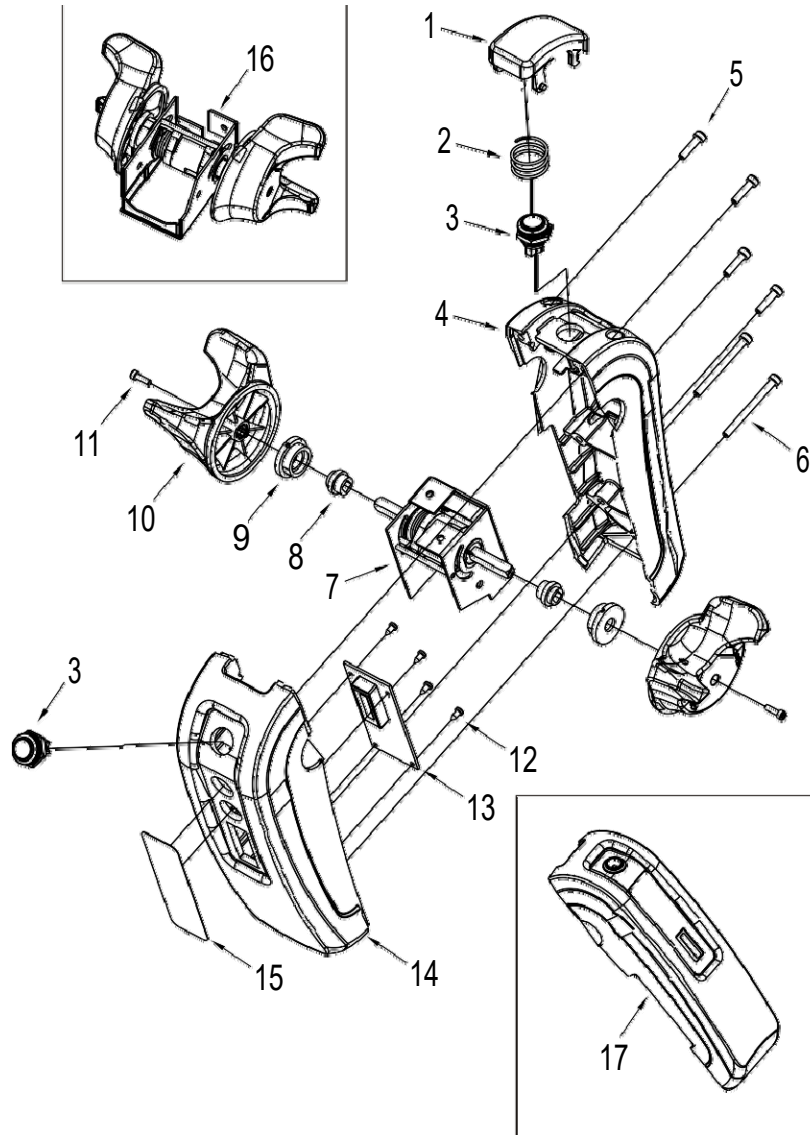


Fig.2 Control box

Item	Part No.	DESCRIPTION	QTY
1	30202004	Emergency reverse button	1
2	30202005	Spring	1
3	10301010	Inching switch	2
4	30302001	Bottom cover	1
5	20101402	Screw	4
6	20101401	Screw	2
7	10301012	Potentiometer	1
8	30202008	Inner spacer column	2
9	30202007	Outer spacer column	2
10	30202009	Control Knob	2
11	20101301	Screw	2
12	20301002	Screw	4
13	10301011	Monitor	1
	10301061	Monitor (Intelligent control) option	1
14	30302002	Control box cover	1
15	30202006	Sticky board	1
16	31101012	Potentiometer assy.(Item7~11)	1
	31201001	Handle upper cover assy.	1
17	31201009	Handle upper cover assy.(Intelligent control) option	1

Fig. 3 Driving system

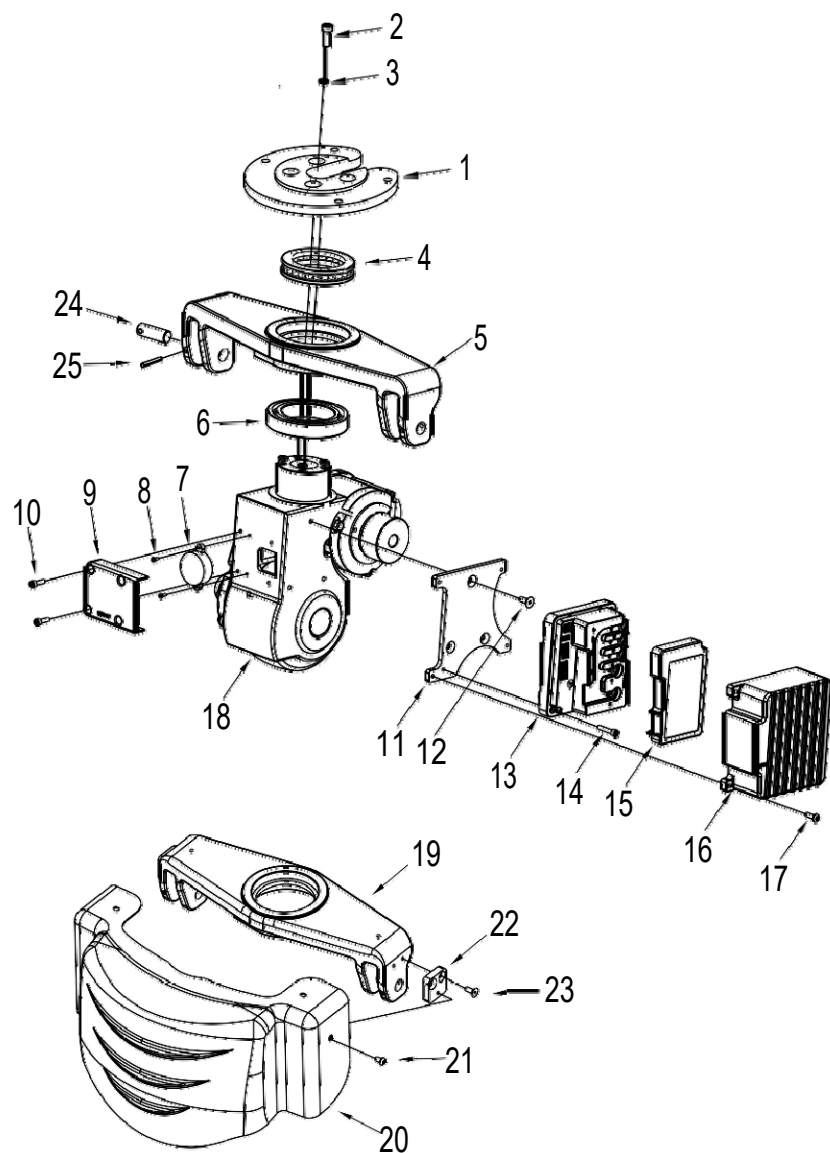


Fig.3 Driving system

Item	Part No.	DESCRIPTION	QTY
1	30102008	Connecting plate	1
2	20101802	Screw M8X25	4
3	20601001	Washer	4
4	20503001	Plane bearing 51113	1
5	31302001	Continuous frame (Without drive wheel cover)	1
6	20501002	Bearing 6013-2RS	1
7	10301043	Buzzer	1
8	20102402	Screw	2
9	31102002	Wires cover	1
10	20101505	Screw	4
11	31102004	Mounting plate for controller	1
12	20103602	Screw	3
13	10301016	Controller	1
	10301062	Controller (Intelligent control) option	1
14	20101502	Screw	2
15	21102021	Wires cover for controller	1
16	31102001	Controller cover	1
17	20304502	Screw	3
18	31101001	Driving unit assy.	1
19	30202030	Continuous frame (~2020.04.30)	1
	31302003	Continuous frame (2020.05.01~)	1
	30302006	Cover (~2020.04.30)	1
20	31502005	Cover standard 30mm ground clearance (2020.05.01~)	1
	31502006	Cover option 60mm ground clearance (2020.05.01~)	1
21	20102603	Screw M6*10	4
22	21102040	Overplate	2
23	20103603	Screw	4
24	30102007	Coupling shaft	2
25	20901002	Spring Pin Ø5x40	2

Fig. 4 Drive assembly

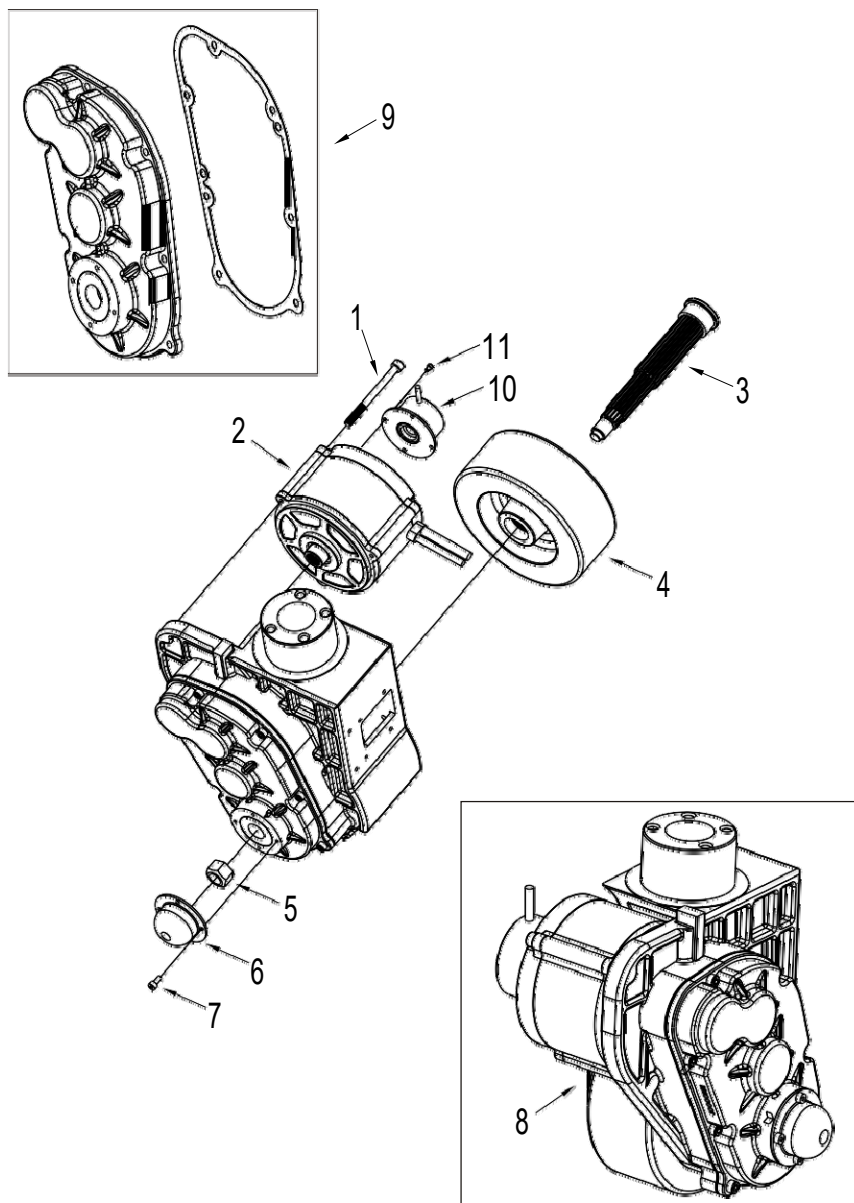


Fig.4 Driving unit assy.

Item	Part No.	DESCRIPTION	QTY
1	20101605	Screw	3
2	31101003	Motor assy. 0.75Kw	1
3	31102013	Axle	1
	31102003	Drive wheel Ø140*55mm (~2020.11.30)	1
4	31102129	Drive wheel Ø140*55mm (2020.12.01~)	1
	31102090	Drive wheel Ø140*55mm with REACH certified	1
5	20401004	Nut	1
6	31102007	Nut cap	1
7	20303003	Screw M4*10	4
8	31101001	Drive unit assy.	1
9	31101082	Gearbox cover assy.	1
10	31101002	Brake assy.	1
11	20105001	Screw M4*10	3

Fig.5 Hydraulic system-1(Standard pump)

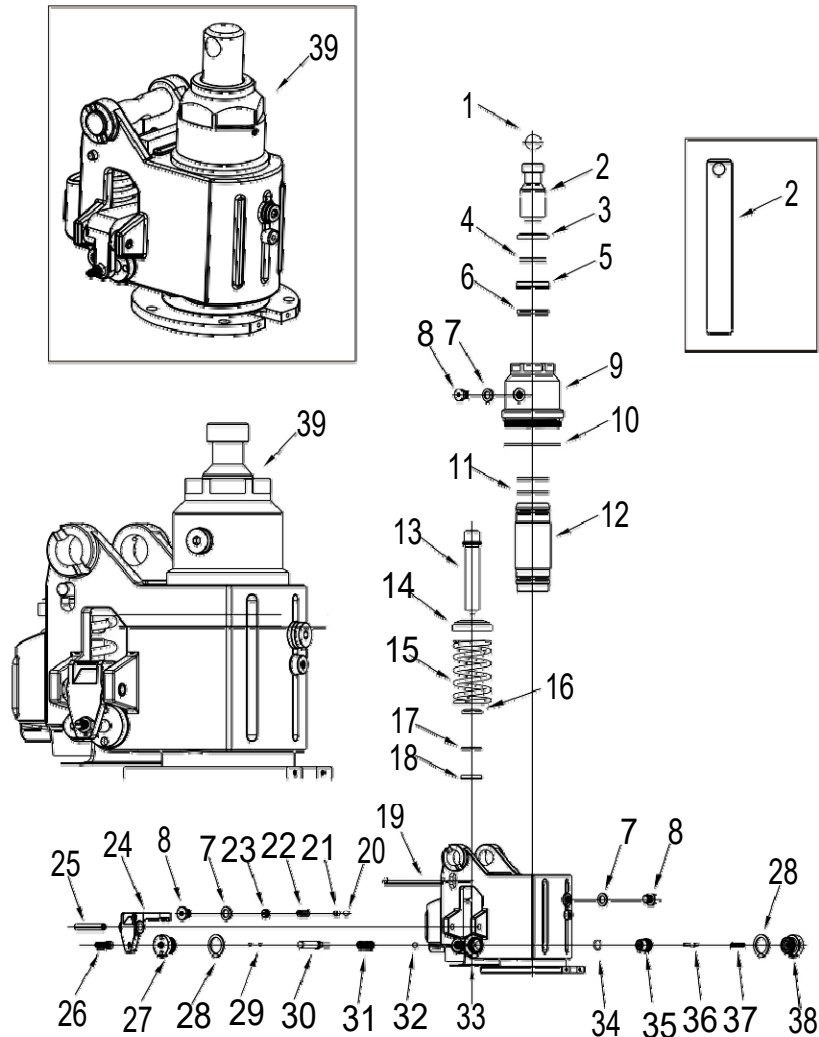


Fig.5 Hydraulic system (Standard)

Item	Part No.	DESCRIPTION	QTY
1	30102146	Steel Ball (~2019.09.30)	1
2	30102147	Piston Rod (~2019.09.30)	1
3	31302002	Piston Rod (2019.10.01~)	1
4	30102148	Dust Ring Ø32	1
5	30102149	O-Ring Ø32	1
6	30102150	Seal Washer Ø32	1
7	30102151	Wear-resistant belt	1
8	30102152	Washer	3
9	30102153	Plug	3
10	30102154	Outer cylinder	1
11	30102155	O-ring	1
12	30102156	O-ring	2
13	30102157	Inner cylinder	1
14	30102158	Small pump core	1
15	30102159	Spring cap	1
16	30102160	Pump core spring	1
17	30102161	Dust ring	1
18	30102162	Sealing ring	1
19	30102163	Seal washer	1
20	30102164	Positioning rod	1
21	7	Washer	
22	8	Plug	
23	20	Steel Ball	
24	31201010	Safety valve seat	1set
25	21	Safety valve seat	
26	22	Spring	
27	23	Screw	
28	30102169	Switch board	1
29	30102170	Spring pin	1
30	30102171	Screw	1
31	27	Nut	
32	28	Washer	
33	29	O-ring	
34	31201011	Push rod	1set
35	31	Spring	
36	32	Steel Ball	
37	30102178	Oil pump body	1
38	34	O-ring	
39	35	Valve body	
40	36	Valve core	
	37	Spring	
	38	Washer	
	39	Screw	
	30101005	Oil pump assy. (~2019.09.30)	1
	31301001	Oil pump assy. (2019.10.01~)	1
	31201002	Pump seal kits(Item 3/4/5/16/18)	1

Fig.6 Hydraulic system-2(Quick-Lift pump)

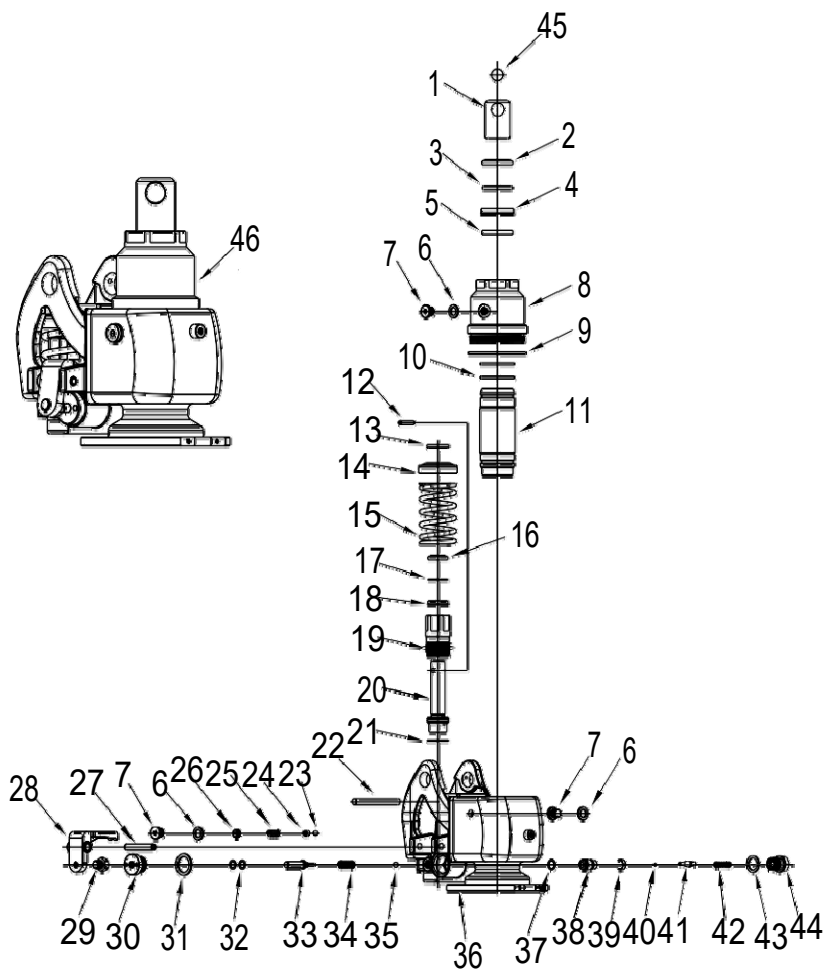


Fig.6 Hydraulic system (Quick-lift pump)

Item	Part No.	DESCRIPTION	QTY
1	30102184	Piston Rod	1
2	30102185	Dust ring	1
3	30102186	O-ring	1
4	30102187	Seal washer	1
5	30102188	Wear-resistant belt	1
6	30102152	Washer	3
7	30102153	Plug	3
8	30102189	Outer cylinder	1
9	30102190	O-ring	1
10	30102191	O-ring	2
11	30102192	Inner cylinder	1
12	30102193	Cylindrical pin	1
13	30102194	Spring cap pad	1
14	30102159	Spring cap	1
15	30102195	Pump core spring	1
16	30102161	Dust ring	1
17	30102162	Sealing ring	1
18	30102163	Seal washer	1
19	30102196	Inner cylinder	1
20	30102197	Small pump core	1
21	30102198	Copper washer	1
22	30102164	Positioning rod	1
6		Washer	
7		Plug	
23	31201013	Steel Ball	1set
24		Safety valve seat	
25		Spring	
26		Screw	
27	30102170	Spring pin	1
28	30102169	Switch board	1
29	30102201	Screw	1

Fig.6 Hydraulic system-2(Quick-Lift pump)

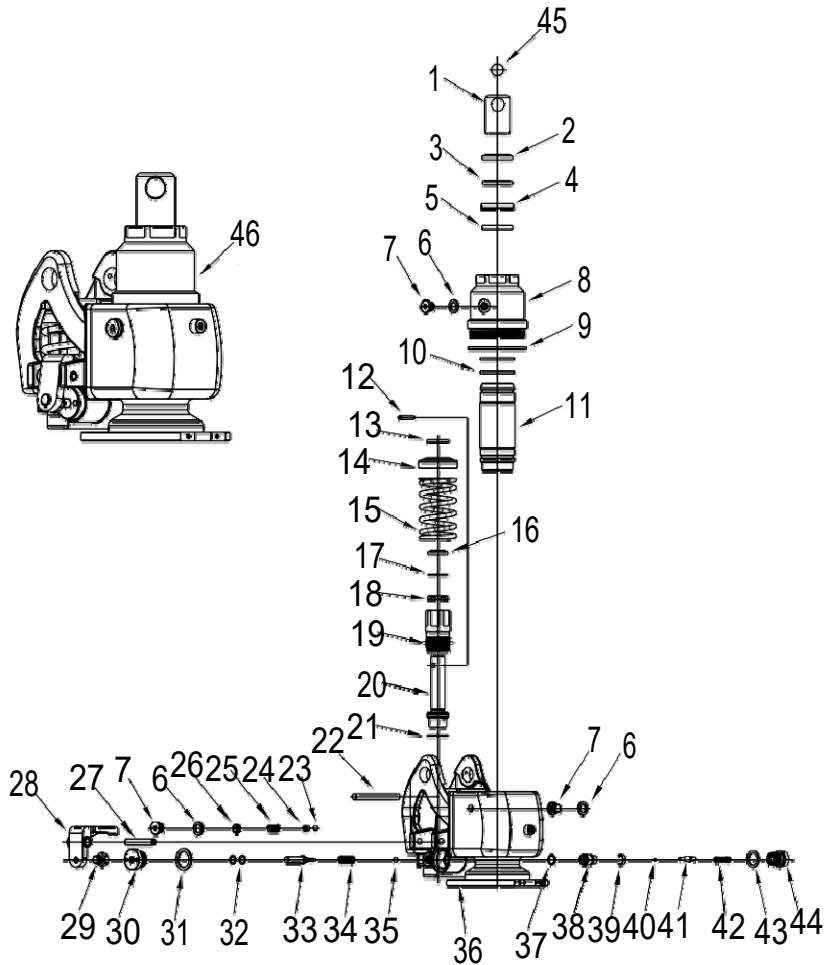


Fig.6 Hydraulic system (Quick-lift pump)

Item	Part No.	DESCRIPTION	QTY
30		Nut	
31		Washer	
32	31201014	O-ring	Relief valve assy. (Only supply valve assy.) 1set
33		Push rod	
34		Spring	
35		Steel Ball	
36	30102202	Oil pump body	1
37		O-ring	
38		Valve body	
39		Slow drop resilient trip	
40	31201015	Screw	Check valve assy. (Only supply valve assy.) 1set
41		Valve core	
42		Spring	
43		Combined seal washer	
44		Screw	
45	30102146	Steel Ball	1
46	30101046	Quick-lift pump assy.	1
47	31201003	Pump seal kits(Item 2/3/4/16/18)	1

Fig. 7 Frame

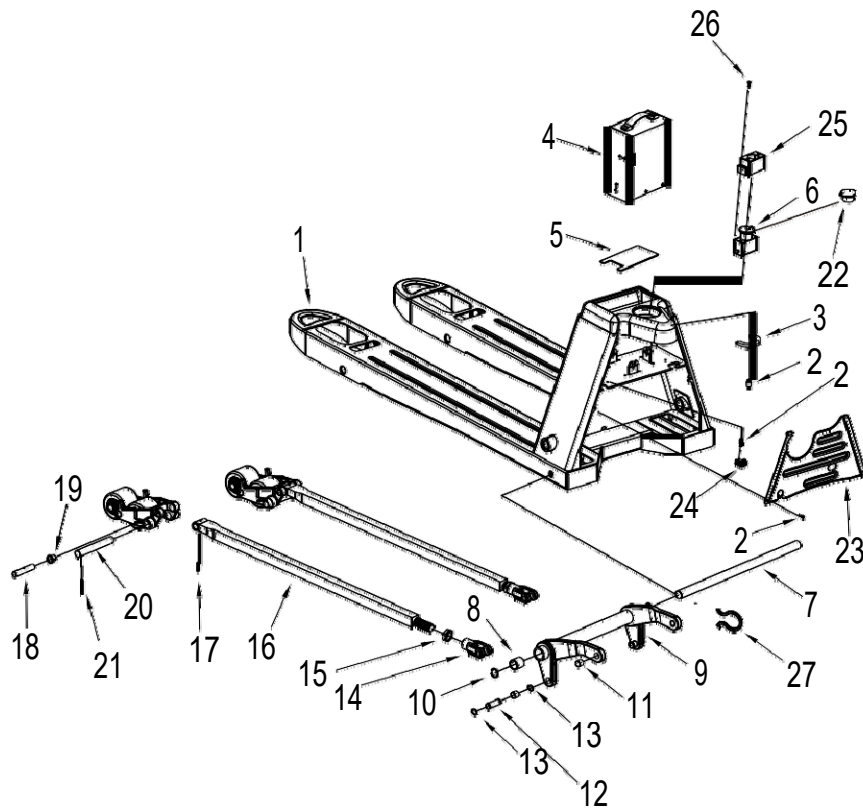


Fig. 7 Frame

Item	Part No.	DESCRIPTION	QTY
	31101036	Frame 550*1150	1
1	31101041	Frame 685*1150	1
	31101042	Frame 685*1220	1
2	20304502	Screw	2
3	31102041	Cover plate	1
	10301047	Li-Battery 48V/10Ah (standard) (~2020.11.30)	1
	10301051	Li-Battery 48V/15Ah (option) (~2020.11.30)	1
4	10301092	New Li-Battery 48V/10Ah (standard) (2020.12.01)	1
	10301091	New Li-Battery 48V/15Ah (option) (2020.12.01)	1
5	30102022	Cushion block	1
6	10301002	Emergency Stop Switch	1
7	30102021	Long Shaft (550)	1
	30102031	Long Shaft (685)	1
8	21401001	Self-Lubricating Bearing 30X25X30	2
9	31401004	Rocker Arm (550) CBD18-WS-SE	1
	31401005	Rocker Arm (685) CBD18-WS-SE	1
10	20802002	Gasket Ø25	2
11	21401002	Self-Lubricating Bearing 16X18X15	4
12	30102024	Shaft	2
13	20801001	Gasket Ø16	4
14	30102059	Joint	2
15	20403001	Nut M22X1.5	2
	30101014	Connecting Rod (1150)	2
	30101015	Connecting Rod (1220)	2
17	20901004	Spring Pin Ø5x25	2
18	30102058	Shaft	2
19	21402002	Self-Lubricating Bearing 16X18X17	4
20	30102025	Shaft	2
21	20901002	Spring Pin Ø5x40	2
22	10301008	Emergency Stop Switch Cover	1
	31102042	Cover 550	1
23	31102043	Cover 685	1
24	30202038	Cables sleeve	1
25	31402002	Rubber plug	1
26	20103501	Screw	2
	31102054	Nylon gasket 3mm	*

Fig.8 Double loading wheel assembly

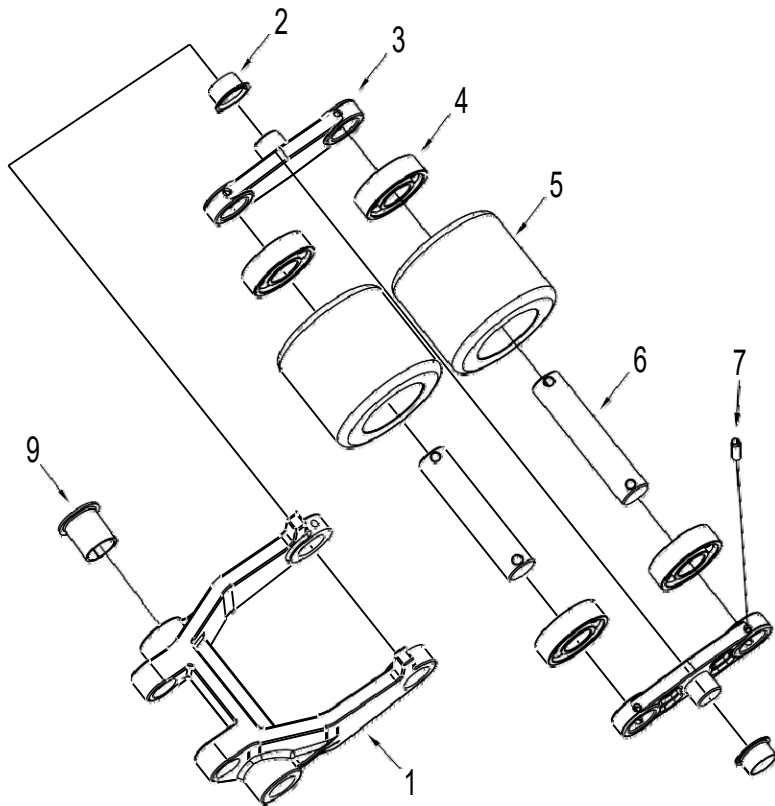


Fig.8 Double loading wheel ASY.

Item	Part No.	DESCRIPTION	QTY
1	30102057	Wheel Fork	2
2	21402001	Self-Lubricating Bearing 18X20X12	4
3	30102027	Tandem Mounting Plate	4
4	20501001	Bearing 6204-2RS	8
5	30102029	Double PU Loading Wheel Ø80*70	4
	31102091	Double PU Loading Wheel 80*70 with REACH certified	4
6	30102028	Axle	4
7	20901003	Spring Pin Ø5x30	8
8	30101025	Double PU Loading Wheel ASY.	2
	30101066	Double PU Loading Wheel ASY. with REACH certified	2
9	21402004	Self-Lubricating Bearing 20X23X26.5	2

Fig.9 Single loading wheel assembly

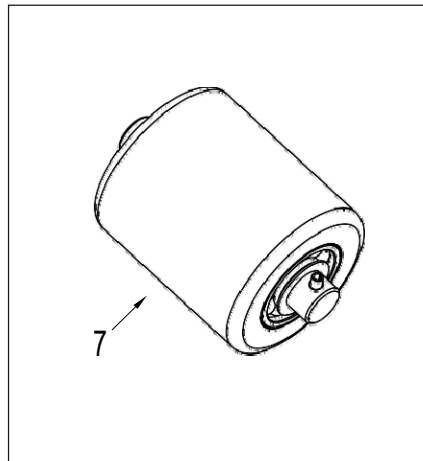
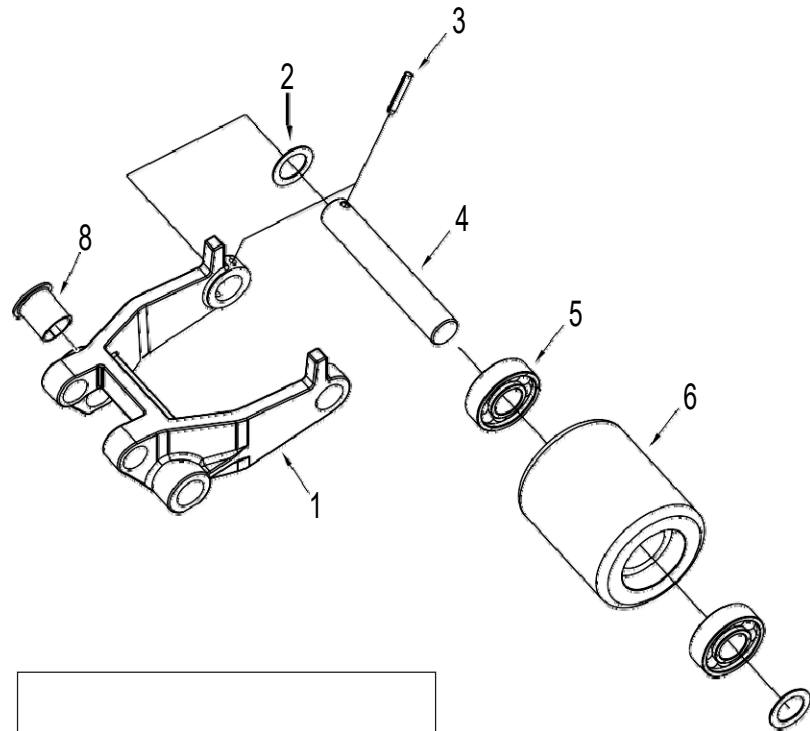


Fig.9 Single loading wheel ASY.

Item	Part No.	DESCRIPTION	QTY
1	30102057	Wheel Fork	2
2	30102082	Washer	4
3	20901003	Spring Pin Ø5x30	2
4	30102080	Axle	2
5	20501001	Bearing 6204-2RS	4
6	30102081	Single PU Loading Wheel 80*93	2
	31102092	Single PU Loading Wheel 80*93 with REACH certified	2
7	30101026	Single PU Loading Wheel ASY.	2
	30101067	Single PU Loading Wheel ASY. with REACH Certified	2
8	21402004	Self-Lubricating Bearing 20X23X26.5	2

Fig.10 Charger

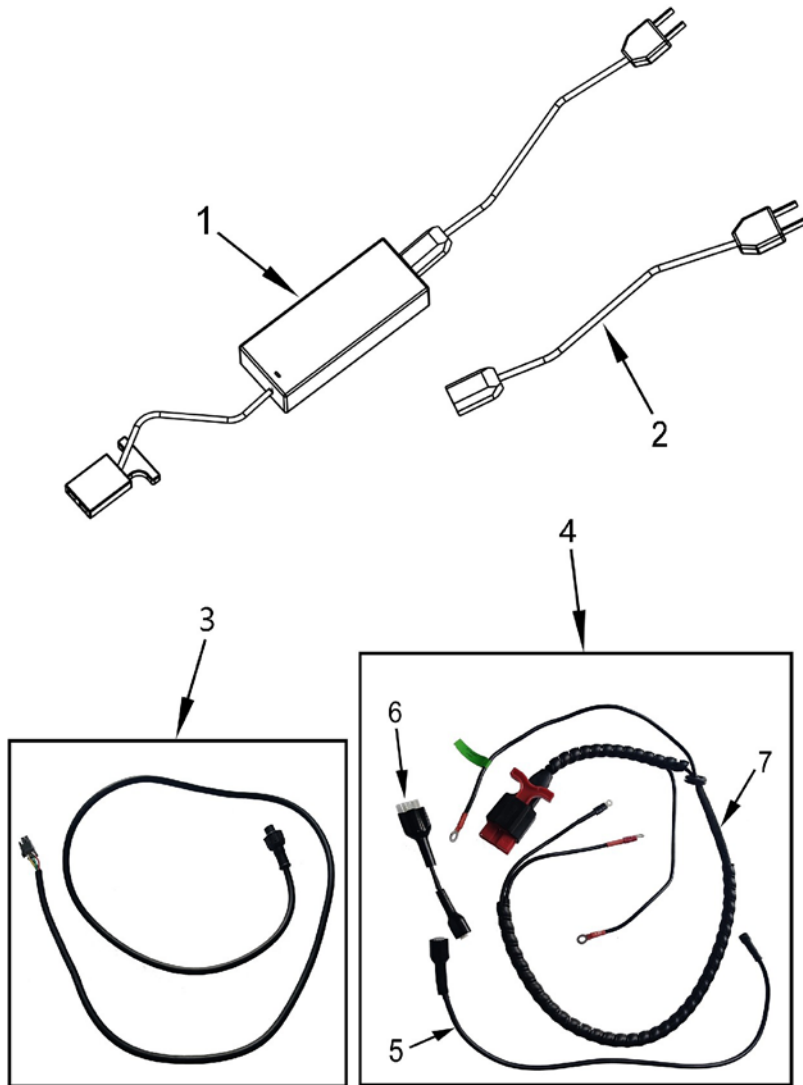


Fig.15-1 Charger and cable harness

Item	Part No.	DESCRIPTION	QTY
1	10301063	Old Charger 48V/2A(100~240V) European standard	1
	10301064	Old Charger 48V/2A(100~240V) Australian standard	1
	10301065	Old Charger 48V/2A(100~240V) American standard	1
	10301066	Old Charger 48V/2A(100~240V) British standard	1
	10301071	Old Charger 48V/2A(100~240V) Indian standard	1
	10301072	Old Charger 48V/2A(100~240V) Brazilian standard	1
	10301073	Old Charger 48V/2A(100~240V) Japanese Standard(PSE certified)	1
	10301074	Old Charger 48V/2A(100~240V) South African standard	1
	10301075	Old Charger 48V/2A(100~240V) Israeli standard	1
	10301076	Old Charger 48V/2A(100~240V) Italian standard	1
	10301085	Old Charger 48V/2A(100~240V) Switzerland	1
	10301086	Old Charger 48V/2A(100~240V) Germany standard	1
	10301067	Old Quick charger 48V/5A(100~240V) European standard (Option)	1
	10301068	Old Quick charger 48V/5A(100~240V) Australian standard (Option)	1
(1)	10301069	Old Quick charger 48V/5A(100~240V) American standard (Option)	1
	10301070	Old Quick charger 48V/5A(100~240V) British standard (Option)	1
	10301077	Old Quick charger 48V/5A(100~240V) Indian standard (Option)	1
	10301078	Old Quick charger 48V/5A(100~240V) Brazilian standard (Option)	1
	10301079	Old Quick charger 48V/5A(100~240V) Japanese Standard(PSE certified) (Option)	1
	10301080	Old Quick charger 48V/5A(100~240V) South African standard (Option)	1
	10301081	Old Quick charger 48V/5A(100~240V) Israeli standard (Option)	1
	10301082	Old Quick charger 48V/5A(100~240V) Italian standard (Option)	1
	10301083	Old Quick Charger 48V/5A(100~240V) Switzerland (Option)	1
	10301084	Old Quick Charger 48V/5A(100~240V) Germany standard(Option)	1
	10301098	New Greatway Charger 48V/2A European standard	1
	10301105	New Greatway Charger 48V/2A Australian standard	1
	10301099	New Greatway Charger 48V/2A American standard 110V	1
	10301106	New Greatway Charger 48V/2A British standard	1
1	10301107	New Greatway Charger 48V/2A Indian standard	1
	10301108	New Greatway Charger 48V/2A(Brazilian standard	1
	10301109	New Greatway Charger 48V/2A Japanese Standard(PSE certified)	1
	10301110	New Greatway Charger 48V/2A South African standard	1
	10301111	New Greatway Charger 48V/2A Israeli standard	1
	10301112	New Greatway Charger 48V/2A Italian standard	1
	10301113	New Greatway Charger 48V/2A Switzerland	1
	10301114	New Greatway Charger 48V/2A Germany standard	1

Fig.10 Charger

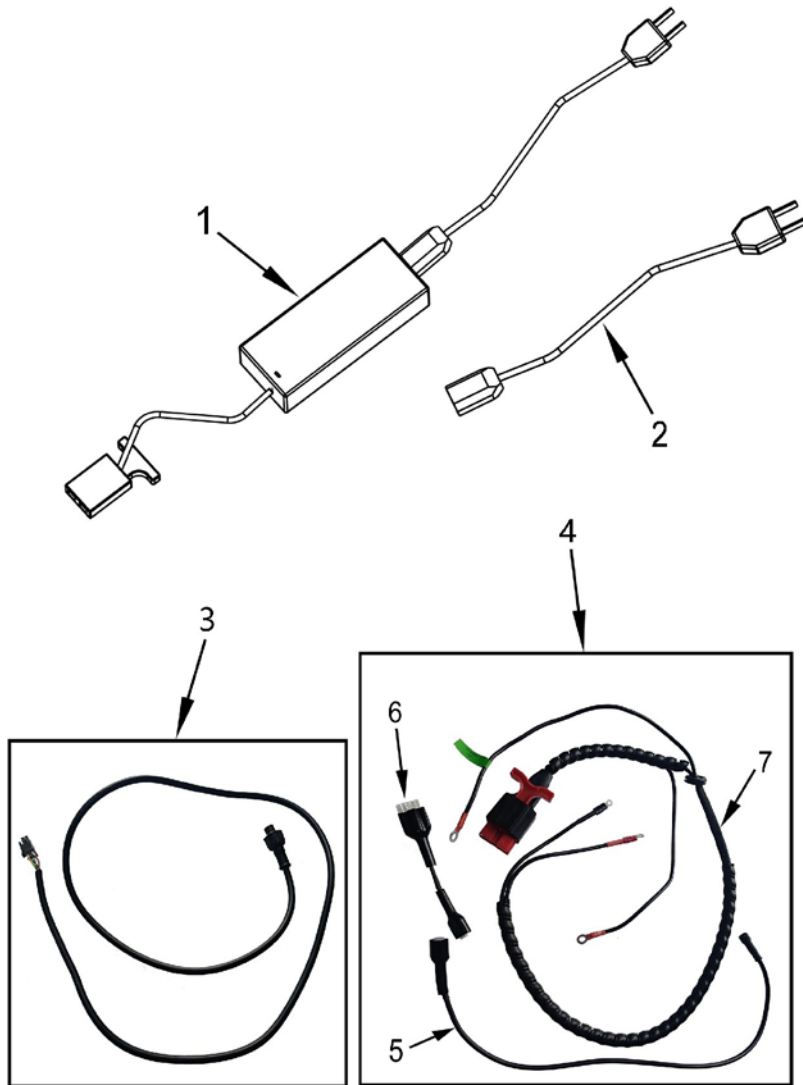


Fig.15-2 Charger and cable harness

Item	Part No.	DESCRIPTION	QTY
(1)	10301100	New Greatway Quick charger 48V/5A European standard (Option)	1
	10301115	New Greatway Quick charger 48V/5A Australian standard (Option)	1
	10301101	New Greatway Quick charger 48V/5A American standard (Option) 110V	1
	10301116	New Greatway Quick charger 48V/5A British standard (Option)	1
	10301117	New Greatway Quick charger 48V/5A Indian standard (Option)	1
	10301118	New Greatway Quick charger 48V/5A Brazilian standard (Option)	1
	10301119	New Greatway Quick charger 48V/5A Japanese Standard(PSE certified) (Option) 110V	1
	10301120	New Greatway Quick charger 48V/5A South African standard (Option)	1
	10301121	New Greatway Quick charger 48V/5A Israeli standard (Option)	1
	10301122	New Greatway Quick charger 48V/5A Italian standard (Option)	1
	10301123	New Greatway Charger 48V/5A Switzerland (Option)	1
	10301124	New Greatway Charger 48V/5A Germany standard(Option)	1
	10302059	Plug(American Standard) for New Greatway 48V/2A charger	1
	10302060	Plug(European Standard) for New Greatway 48V/2A charger	1
2	10302061	Plug(Australian Standard) for New Greatway 48V/2A charger	1
	10302062	Plug(British Standard) for New Greatway 48V/2A charger	1
	10302063	Plug(Indian Standard) for New Greatway 48V/2A charger	1
	10302064	Plug(Brazilian Standard) for New Greatway 48V/2A charger	1
	10302065	Plug(Japanese Standard with PSE certified) for New Greatway 48V/2A charger	1
	10302066	Plug(South African Standard) for New Greatway 48V/2A charger	1
	10302067	Plug(Israeli Standard) for New Greatway 48V/2A charger	1
	10302068	Plug(Italian Standard) for New Greatway 48V/2A charger	1
	10302069	Plug(Switzerland Standard) for New Greatway 48V/2A charger	1
	10302070	Plug(Germany Standard) for New Greatway 48V/2A charger	1
	10302059	Plug(American Standard) for New Greatway 48V/2A charger	1
	10302028	Plug(American Standard) for New Greatway 48V/5A quick charger	1
	10302027	Plug(European Standard) for New Greatway 48V/5A quick charger	1
	10302026	Plug(Australian Standard) for New Greatway 48V/5A quick charger	1
(2)	10302029	Plug(British Standard) for New Greatway 48V/5A quick charger	1
	10302038	Plug(Indian Standard) for New Greatway 48V/5A quick charger	1
	10302048	Plug(Brazilian Standard) for New Greatway 48V/5A quick charger	1
	10302049	Plug(Japanese Standard with PSE certified) for New Greatway 48V/5A quick charger	1
	10302050	Plug(South African Standard) for New Greatway 48V/5A quick charger	1
	10302032	Plug(Israeli Standard) for New Greatway 48V/5A quick charger	1
	10302051	Plug(Italian Standard) for New Greatway 48V/5A quick charger	1
	10302052	Plug(Switzerland Standard) for New Greatway 48V/5A quick charger	1
	10302053	Plug(Germany Standard) for New Greatway 48V/5A quick charger	1
	10302018	Handle cables	1
3	10302019	Truck body cables	1
5	10302040	Truck body communication line	1
6	10302041	B+ lead wire for hydraulic motor	1
7	10302042	B- lead wire for hydraulic motor	1
8	10302043	Lead wire for lowering solenoid valve	1
9	10302044	Truck body cable harness integration	1