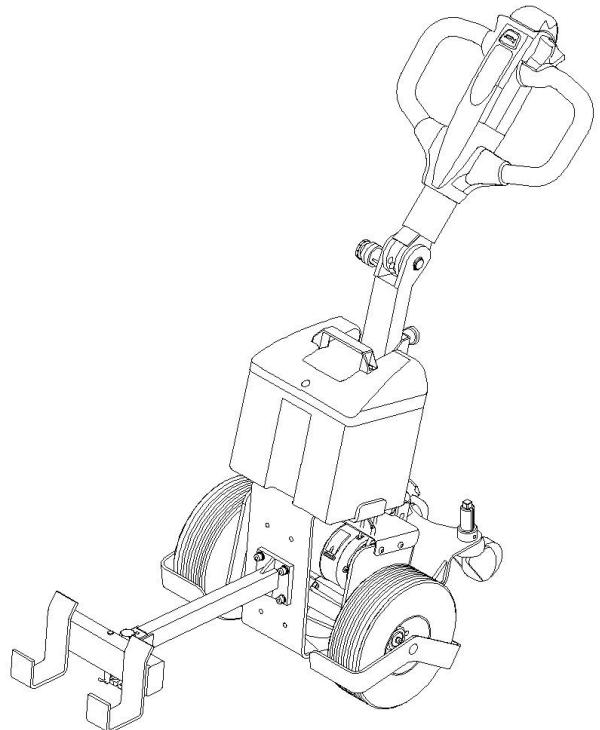


SPAREPARTS LIST

Electric Tow Tractor T E10



Version 12/2013

From truck identification number:

45130700004

T E10-BPT-001-EN

Catalogue

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Fig.1 Label (for EU)

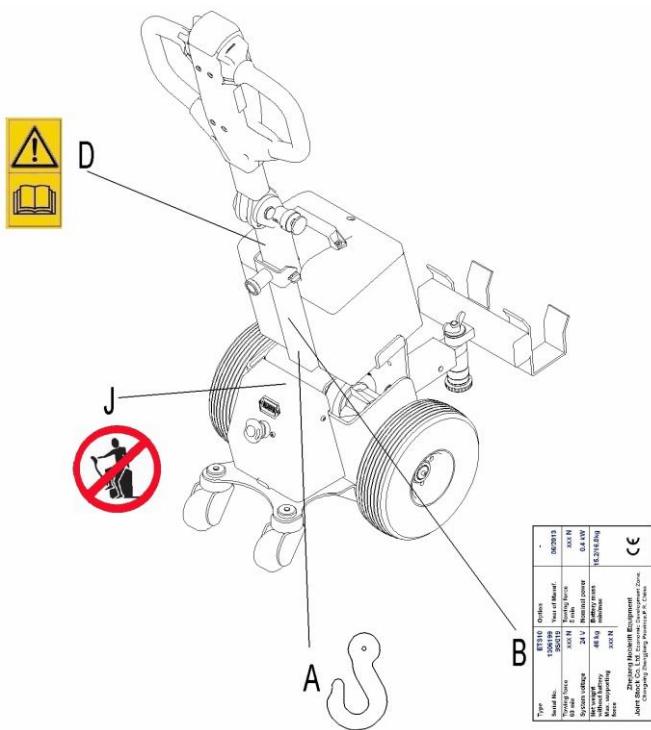
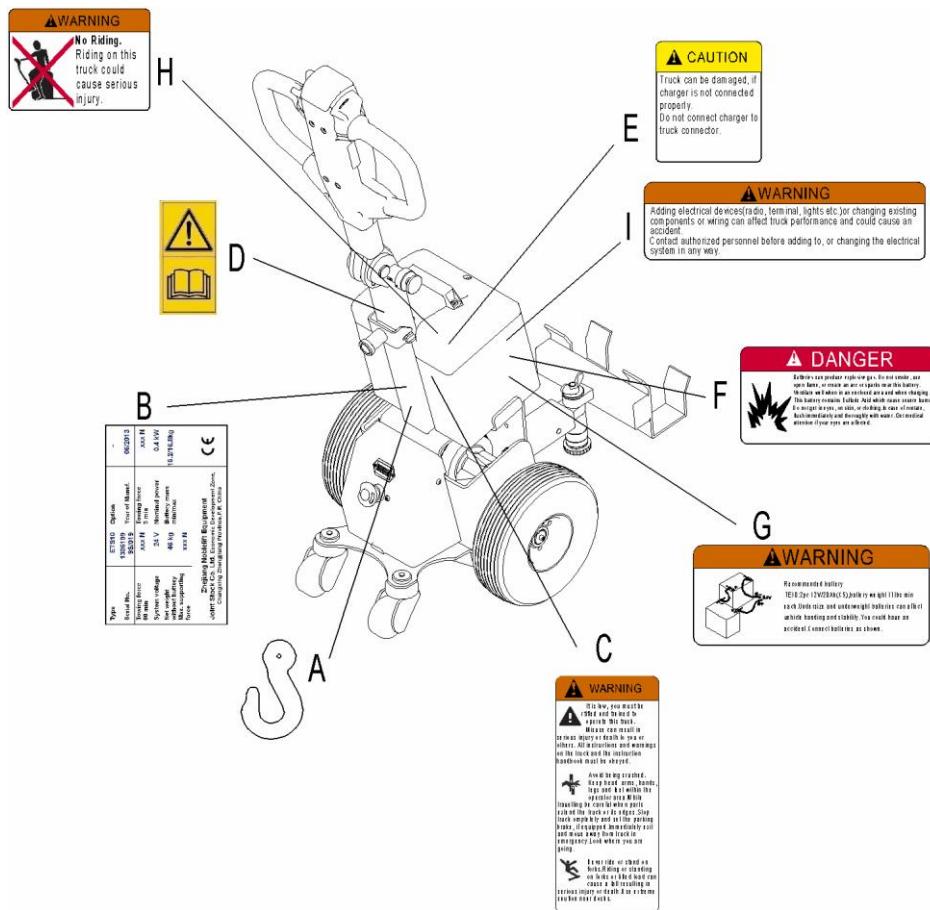


Fig.1 Label (for EU)

No.	Art No.	Description	Qty.	Note
A	9000005967	Crane hook label	1	
B	9000008646	ID-plate	1	
D	9000003570	Sticker to read and follow these instruction	1	
J	9000003573	'No passengers' decal	1	

Fig.2 Label (for US)



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Fig.2 Label (for US)

No.	Art No.	Description	Qty.	Note
A	9000005967	Crane hook label	1	
B	9000008646	ID-plate	1	
C	9000003575	Sign warning stay clear stop truck	1	
D	9000003570	Sticker to read and follow these instruction	1	
E	9000003576	Sign Caution charger	1	
F	9000003577	Sign danger battery	1	
G	9000008583	Sign warning battery size	1	
H	9000003580	Never sit on	1	
I	9000003579	Sign warning electrical devices	1	

한국어로 표기된 주의사항은 다음과 같습니다:

- 크레인 홀더 라벨 * 1 (크레인 홀더에 부착하는 라벨)
- ID-판 * 1 (크레인에 부착하는 식별판)
- 경고 표지판 * 1 (트럭이 멈춰 서는 곳에서 차량을 멀리 두어야 한다는 경고)
- 설명 스티커 * 1 (이 지침을 읽고 따르는 방법)
- 주의 표지판 * 1 (충전 장치 주의)
- 위험 표지판 * 1 (배터리 위험)
- 배터리 크기 경고 표지판 * 1 (배터리 크기 주의)
- never sit on 표지판 * 1 (never sit on)
- 전기 장비 경고 표지판 * 1 (전기 장비 경고)

Fig.3 Outline

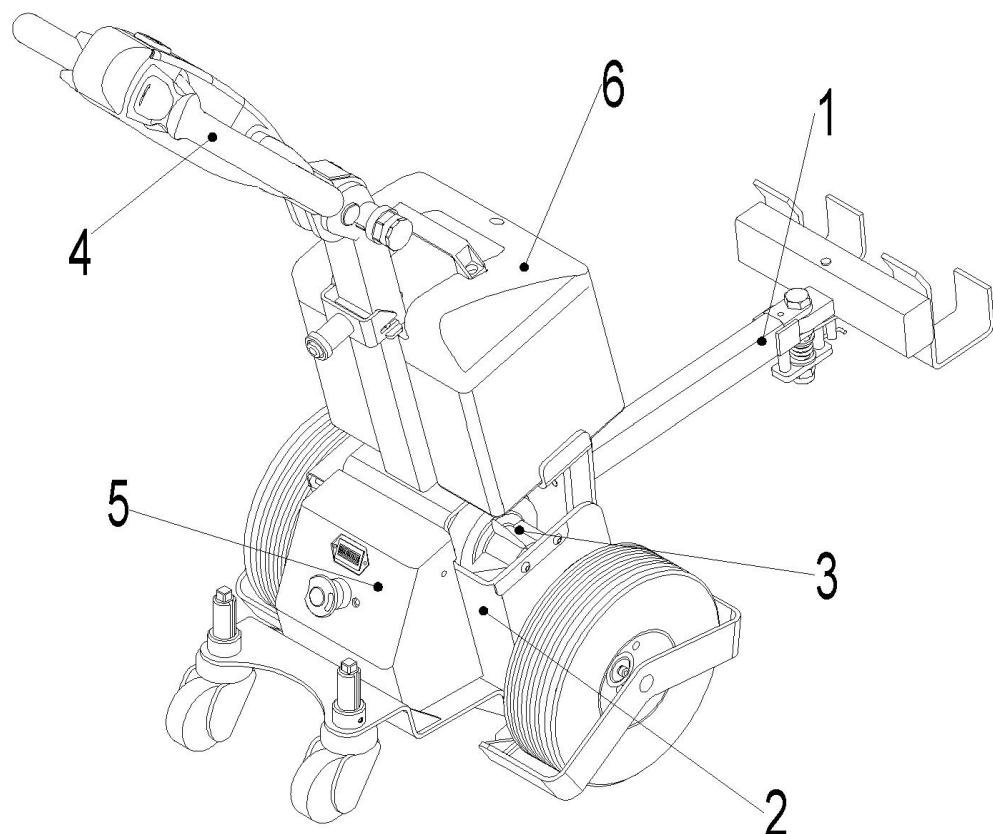


Fig.3 Outline

No.	Art No.	Description	Qty.	Note
1	9000009555	Dragging frame	1	
2	9000008347	Chassis	1	
3	9000008348	Driving assembly	1	
4	9000008349	Tiller arm components	1	
5	9000008350	Electric instrument components	1	
6	9000008351	Battery components	1	

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Fig.4 Dragging Frame(一)

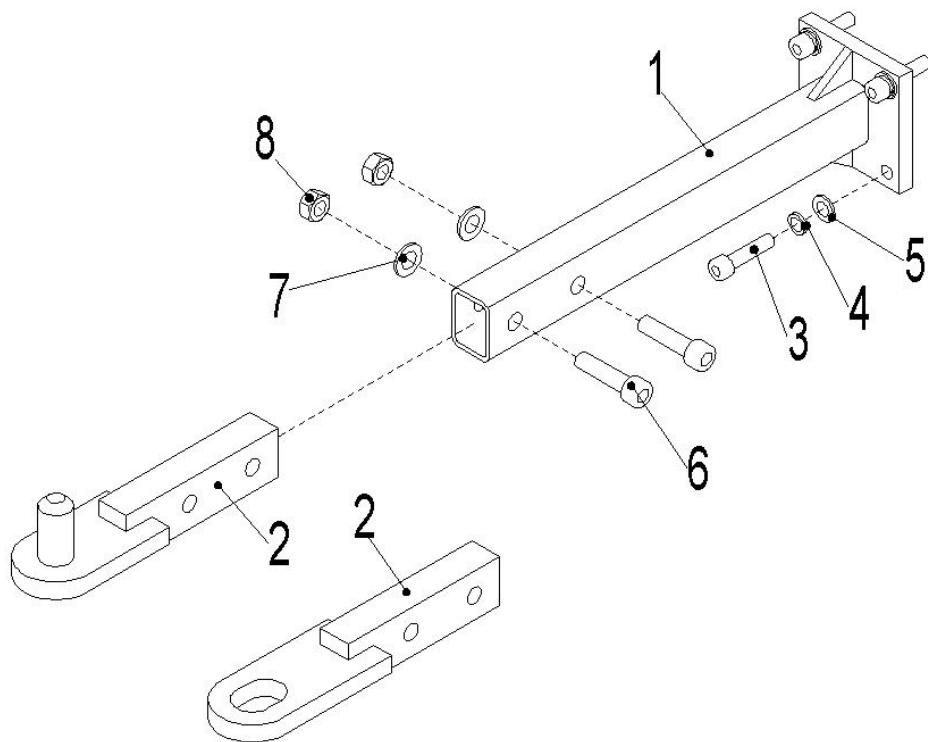


Fig.4 Dragging Frame (一)

No.	Art No.	Description	Qty.	Note
1	9000009550	Rack/ Hanger	1	
2	9000009551	Drawing head assembly	1	
	9000009552	Drawing head assembly	1	
3	0000023455	Screw	4	M8x35
4	0000025001	Washer	4	8
5	0000025011	Washer	4	8
6	0000023025	Screw	2	M10x40
7	0000025002	Washer	2	10
8	0000024065	Nut	2	M10

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Fig.5 Dragging Frame (二)

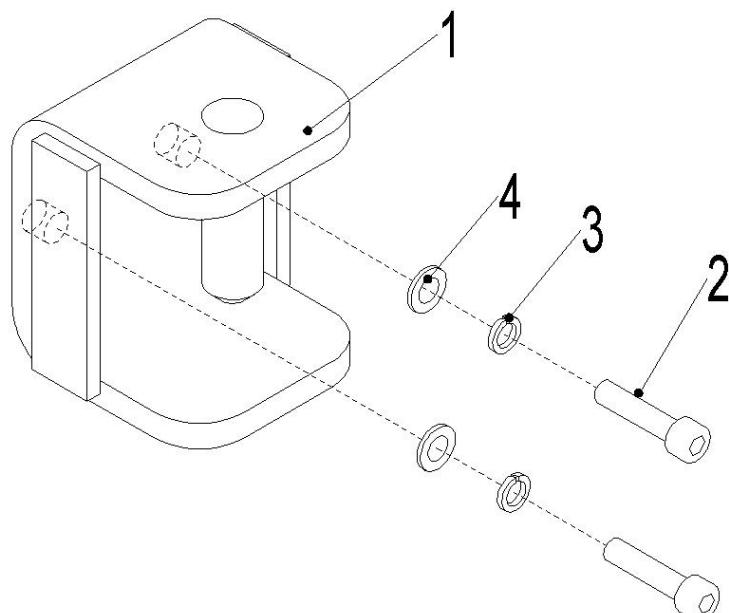


Fig.5 Dragging Frame (二)

No.	Art No.	Description	Qty.	Note
1	9000009554	Welded traction seat	1	
2	0000023455	Screw	2	M8x35
3	0000025001	Washer	2	8
4	0000025011	Washer	2	8

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Fig.6 Dragging Frame (三)

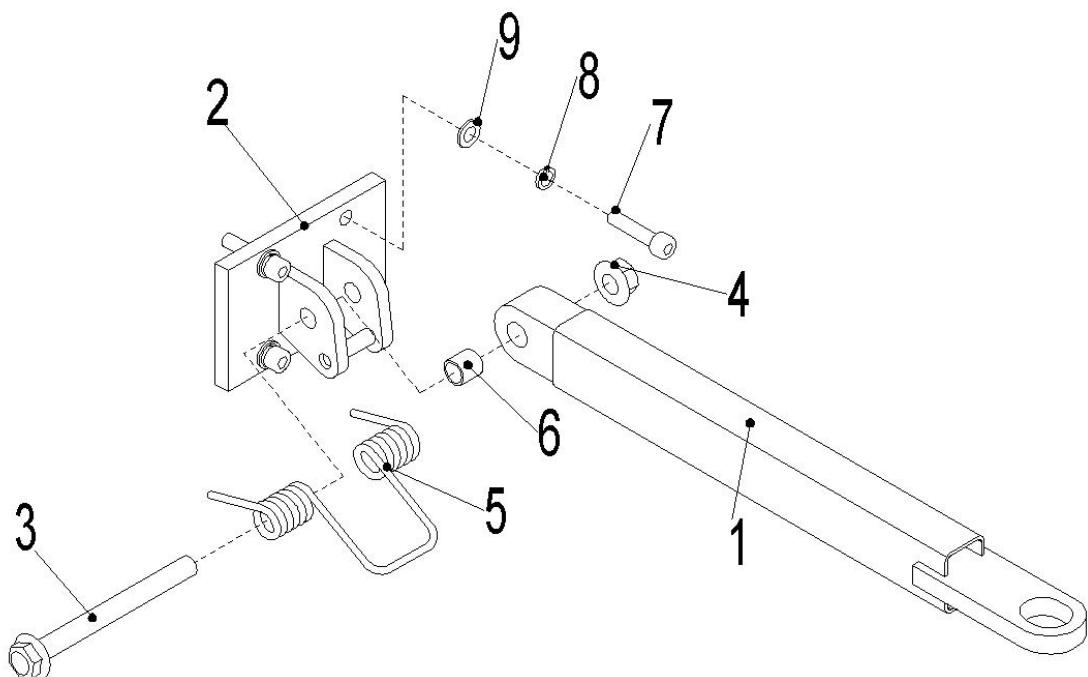


Fig.6 Dragging Frame (三)

No.	Art No.	Description	Qty.	Note
1	9000009536	Welded traction rod	1	
2	9000009537	Welded fixed seat	1	
3	0090000508	Bolt	1	M12x120
4	0090000509	Lock nut	1	M12
5	9000009538	Torsional spring	1	
6	1000413002	Bushing	1	12X15X15
7	0000023455	Screw	4	M8x35
8	0000025001	Washer	4	8
9	0000025011	Washer	4	8

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Fig.7 Dragging Frame (四)

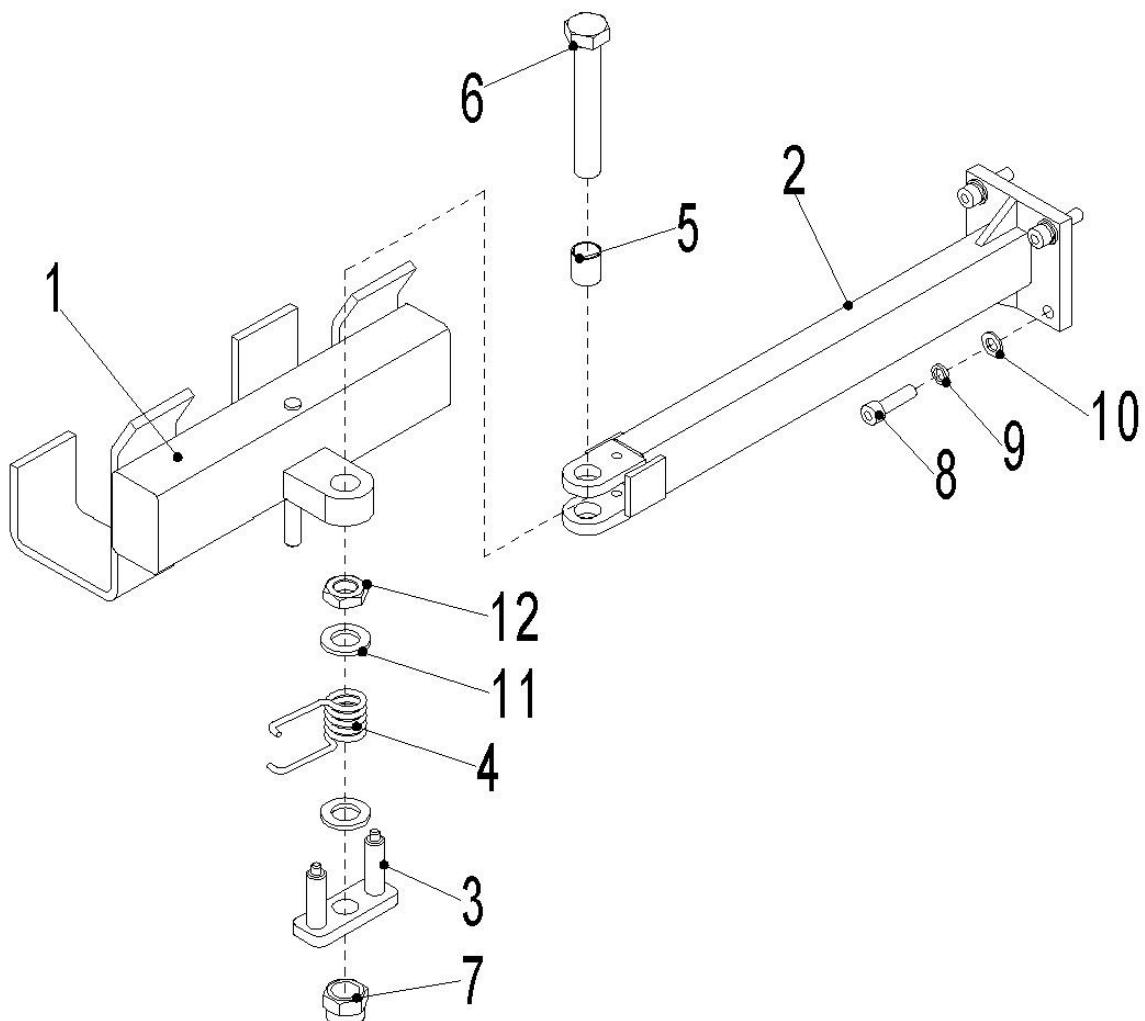


Fig.7 Dragging Frame (四)

No.	Art No.	Description	Qty.	Note
1	9000009556	Rack/ Hanger	1	
2	9000009557	Welded traction rod	1	
3	9000009558	Torsional spring frame	1	
4	9000009559	Torsional spring	1	
5	0000013030	Bushing	1	16X18X20

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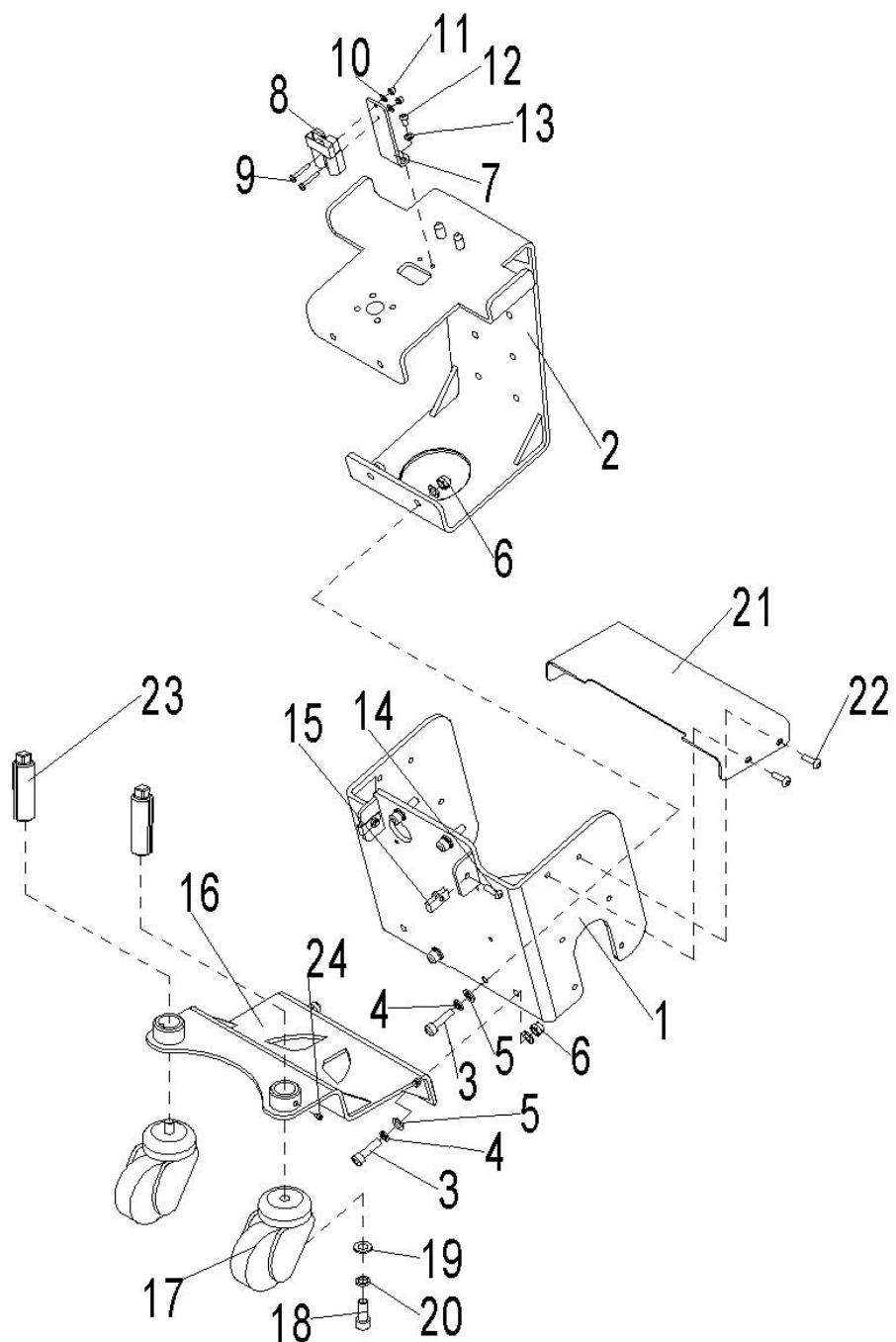
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6	0000023769	Bolt	1	M16x100
7	0000024011	Nut	1	M16
8	0000023455	Screw	4	M8x35
9	0000025001	Washer	4	8
10	0000025011	Washer	4	8
11	0000025029	Washer	2	16
12	0000024010	Lock nut	1	M16

Fig.8 Truck Frame



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Fig.8 Truck Frame

No.	Art No.	Description	Qty.	Note
1	9000008185	Box welding	1	
2	9000008186	Dragging board welding	1	
3	0000023172	Screw	6	M8x30
4	0000025001	Washer	6	8
5	0000025011	Washer	12	8
6	0000024003	Nut	6	M8
7	9000008187	Plug board	1	
8	9000009568	SR50 78184-00	2	Without handle
9	0000023043	Screw	2	M4x25
10	0000025019	Washer	2	4
11	0000024004	Nut	2	M4
12	0000023126	Screw	2	M5x12
13	0000025014	Washer	2	5
14	0000023121	Screw	2	M6X20
15	9000007785	Nut	2	M6
16	9000008188	Supporting board welding	1	
17	2550100001	Steering wheel	2	
18	0000023088	Screw	2	M10x25
19	0000025002	Washer	2	10
20	0000023006	Washer	2	10
21	9000009539	Steering wheel	1	
22	0000023519	Screw	4	M6x10
23	9000009540	Screw	2	
24	0090000507	Screw	2	M8X8

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Fig.9 Drive System

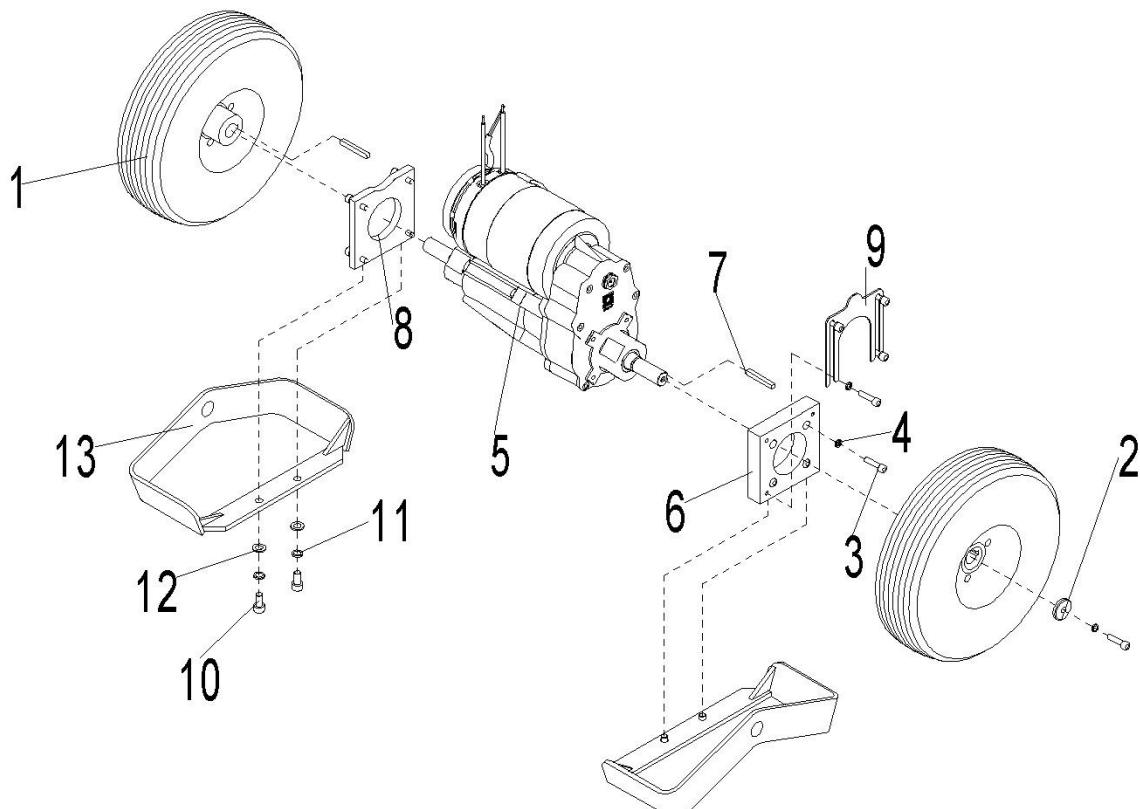


Fig.9 Driving System

No.	Art No.	Description	Qty.	Note
1	9000008189	Wheel assembly	2	
2	9000008190	Retaining ring	2	
3	0000023030	Screw	14	M6x25
4	0000025010	Washer	14	6
5	9000008656	Transverse DC drive assembly	1	amer24V/400W
6	9000008191	Assemble board 一	1	
7	0090000412	Flat key	2	C 6x45
8	9000008192	Assemble board 二	1	

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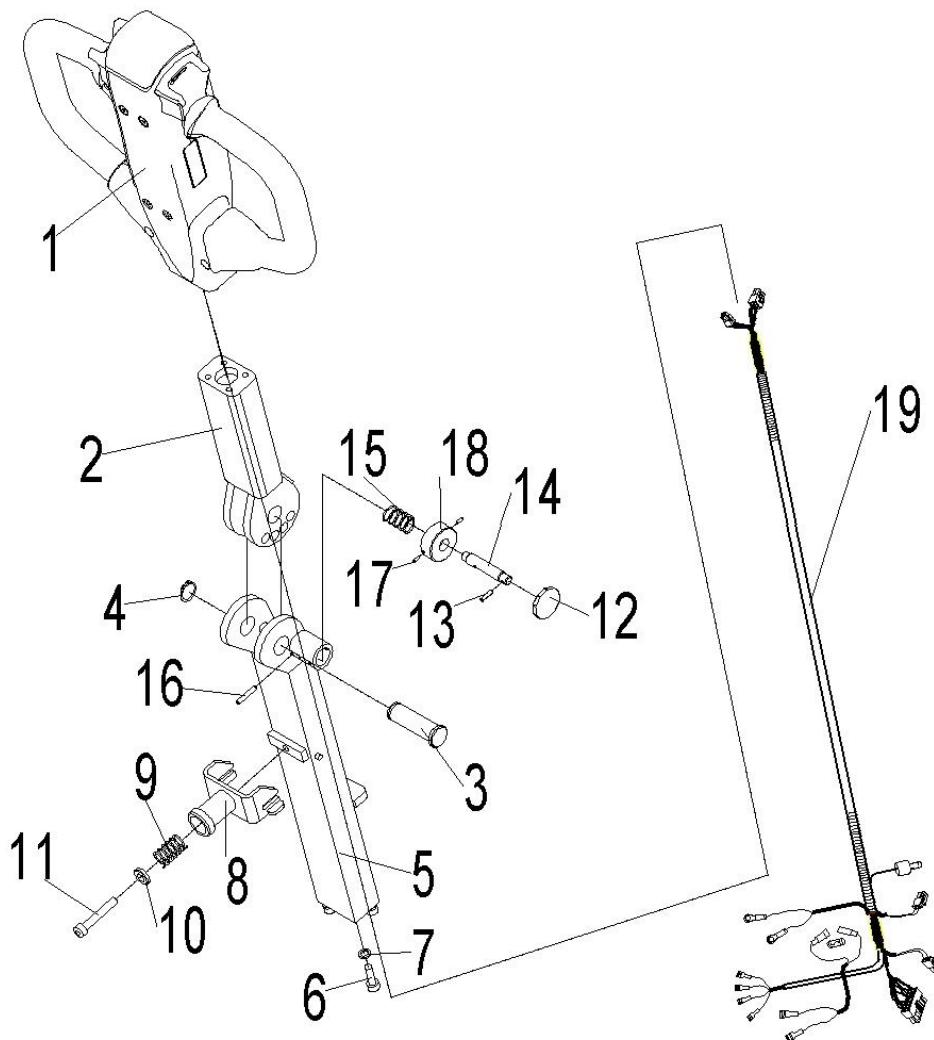
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9	9000008193	Subplate	1	
10	0000023067	Screw	4	M8x16
11	0000025001	Washer	4	8
12	0000025011	Washer	4	8
13	9000009541	Drive wheel protective board	2	

Fig.10 Tiller Arm



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Fig.10 Tiller Arm

No.	Art No.	Description	Qty.	Note
1	1070100002	Tiller	1	
2	9000008194	Tiller arm welding	1	
3	9000008195	Spindle	1	
4	0000026003	Split retaining ring	1	20
5	9000008202	Tiller welding	1	
6	0000023047	Screw	8	M8x25
7	0000025001	Washer	8	8
8	9000008200	Fixed frame welding	1	
9	2210431002	Spring	1	
10	9000008201	Locating bushing	1	
11	0000023584	Screw	1	M8x50
12	2210402002	Hand wheel	1	
13	0000028024	Roll pin	1	4x16
14	9000008197	Locating shaft	1	
15	2210431002	Pressure spring	1	
16	0000028167	Roll pin	1	4x28
17	0090000345	Screw	2	M3x8
18	9000008198	End cap	1	
19	9000008589	Main control cable	1	

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Fig.11 Battery

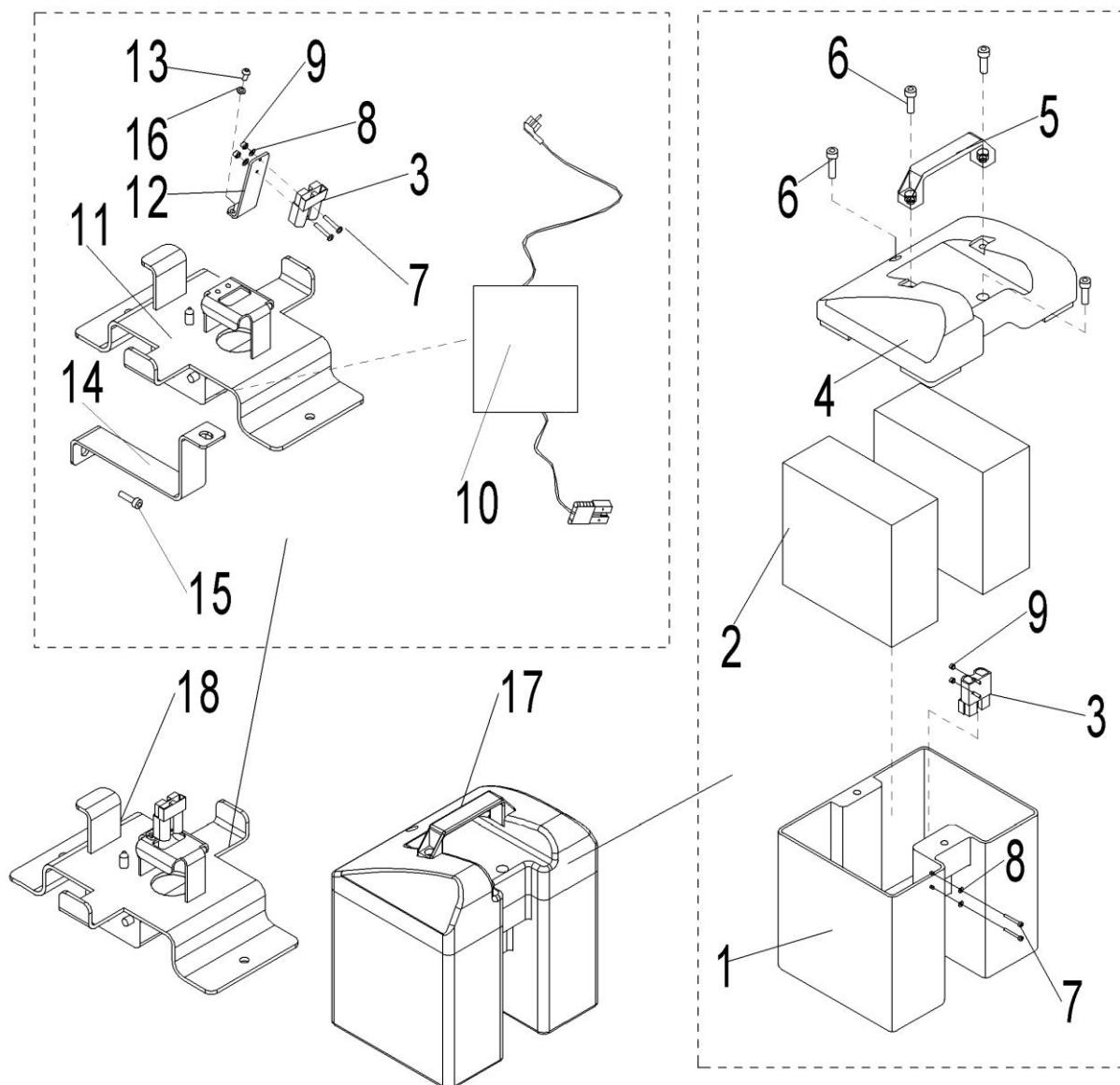


Fig.11 Battery

No.	Art No.	Description	Qty.	Note
1	9000008208	Battery box	1	
2	9000008336	Battery	2	12V/24Ah 5HR

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밧데리 케이스 * 1 40

밧데리 케이스 * 1 40

밧데리 케이스 40

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3	9000009568	SR50 78184-00	2	
4	9000008207	Battery box cover	1	
5	9000007808	Handle	1	
6	0000023047	Screw	4	M8x25
7	0000023043	Screw	4	M4x25
8	0000025019	Washer	4	4
9	0000024004	Lock nut	4	M4
10	9000009534	Charger 24V3A KP120W-31Q	1	Asia
	9000009561			EU
	9000009563			AUS
	9000009565			ENG
	9000009567			US
11	9000009546	Charger seat	1	
12	9000009547	Plug board	1	
13	0000023675	Screw	2	M5x16
14	9000009548	Fixed plate	1	
15	0090000041	Screw	2	M5x10
16	0000024007	Nut	2	M5
17	9000008351	Power supply assembly	1	
18	9000009544	Charger	1	

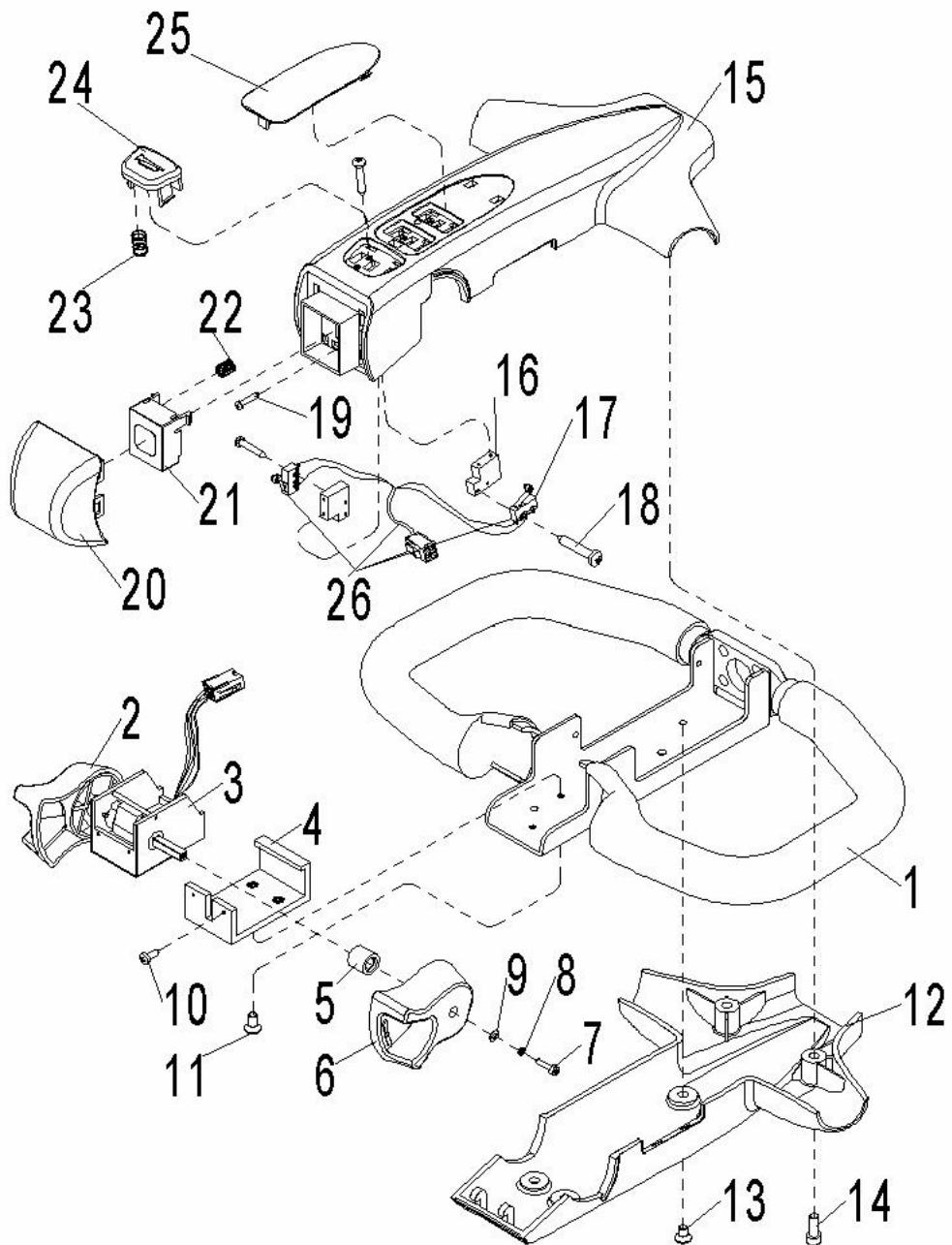
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내장 배터리 케이스

Fig.12 Tiller



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Fig.12 Tiller

No.	Art No.	Description	Qty.	Note
1	9000002189	Handle seat	1	
2	9000002175	Left drive knob	1	
3	9000008334	Accelerator BD-190	1	
4	9000002177	Accelerator connecting part	1	
5	9000002188	Bushing	2	ABS
6	9000002176	Right drive knob	1	
7	0000023304	Screw M3X12	2	8.8
8	0000025003	Washer 3	2	65Mn
9	0000025026	Washer 3	2	Steel
10	0090000190	Screw M3X8	2	4.8
11	0090000189	Screw M4X8	3	8.8
12	9000002358	Handle down cover	1	ABS
13	0000023138	Screw M6X10	4	8.8
14	0000023063	Screw M6X16	2	8.8
15	9000002357	Handle upper cover	1	ABS
16	9000002310	Proximity switch fixing part	2	
17	9000002161	Proximity switch SS-5GL2	2	
18	0090000261	Screw	4	ST2.2X13
19	0090000262	Screw	4	ST2.2X9.5

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20	9000002180	Belly seat	1	
21	9000002181	Belly inner seat	1	
22	9000002182	Spring 0.8	4	
23	9000002186	Spring 0.6	2	
24	9000002183	Horn button	1	
25	9000002356	Label	1	ABS

Fig.13 Instruments Board Assembly

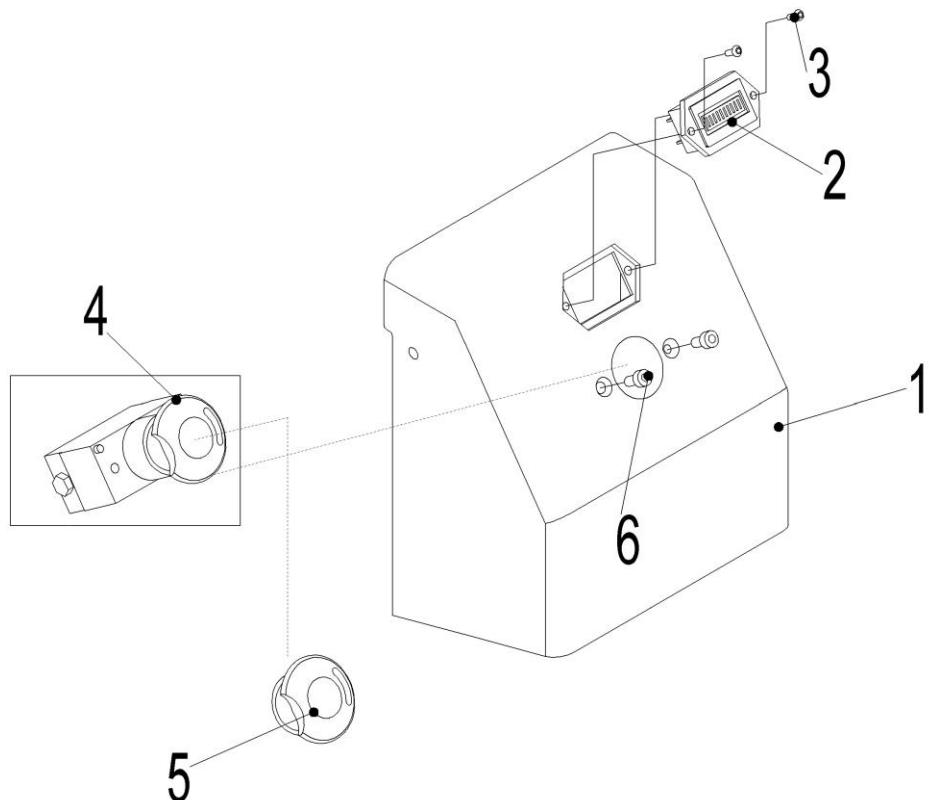


Fig.13 Instruments Board Assembly

No.	Art No.	Description	Qty.	Note
1	9000008203	Controller box	1	
2	9000001976	Indicator	1	Curtis906T24BNB
3	0000023083	Screw	2	M3x8
4	1070334008	Emergency switch	1	S100/80
5	9000002163	Emergency switch	1	S100/80
6	0000023311	Screw	2	M5x10

굵은 선으로 표시된 부품은 조립 시 고정하는 데 사용되는 부품입니다.
 1. 컨트롤러 박스
 2. 인디케이터
 3. M3x8
 4. S100/80
 5. S100/80
 6. M5x10

Fig.14 Electronic Control Assembly

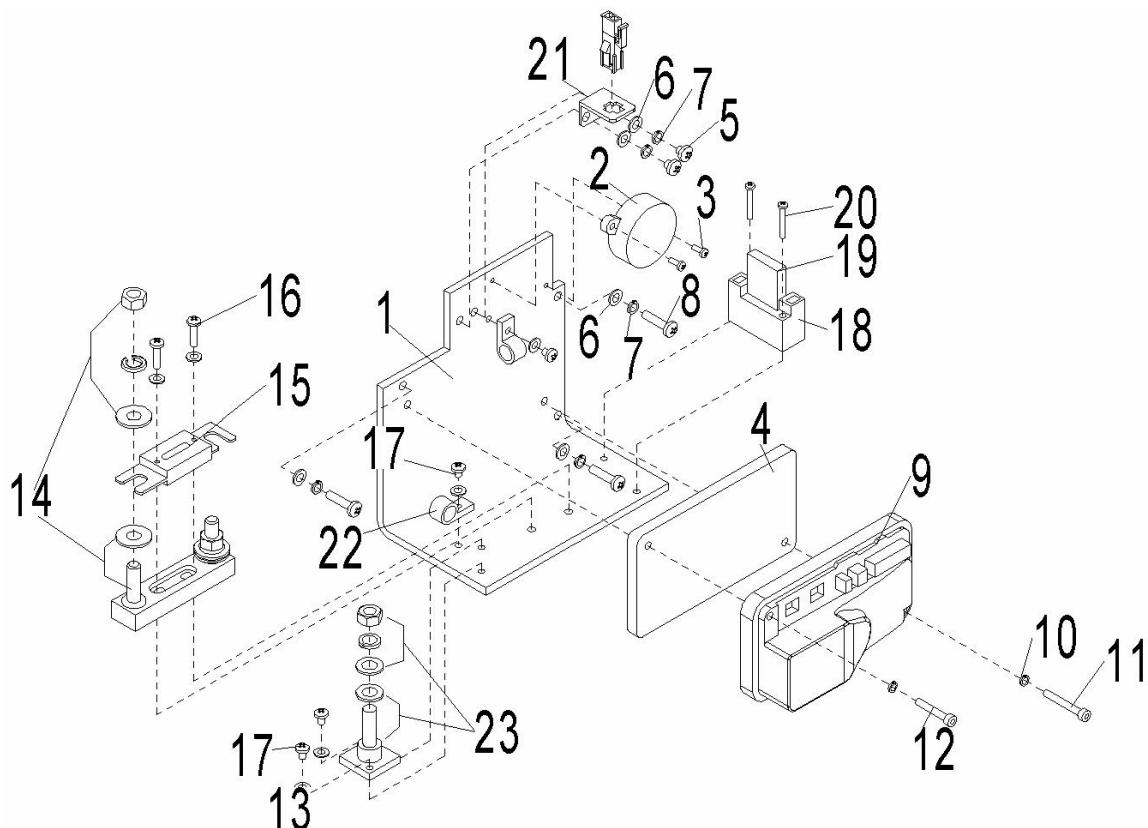


Fig.14 Electronic Control Assembly

No.	Art No.	Description	Qty.	Note
1	9000008206	Iron plate	1	
2	9000007394	Buzzer	1	HYD-4216W 24VDC
3	0000023216	Screw	2	M3x8
4	9000008205	Aluminum plate	1	
5	0000023516	Screw	2	M5x10
6	0000025014	Washer	5	5
7	0000025015	Washer	5	5
8	0000023540	Screw	3	M5x20
9	9000008752	Controller	1	CURTIS1212P-2501
10	0000025009	Washer	2	4
11	0090000082	Screw	1	M4x30
12	0000023033	Screw	1	M4x25
13	0000025019	Washer	12	4
14	1000434007	Fuse seat	1	SYY
15	9000008642	Fuse	1	30A
16	0000023211	Screw	4	M4x16
17	0000023307	Screw	4	M4x10
18	1000434021	Fuse seat	1	BD-1X10A
19	1000434040	Fuse	1	10A
20	0000023074	Screw	2	M3x30
21	1010404005	Plug fixing frame	1	

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22	1000403004	Line buckle	2	UC-2
23	1020434002	M8 terminal	1	BD-M8

Fig.15 Drive Wheel

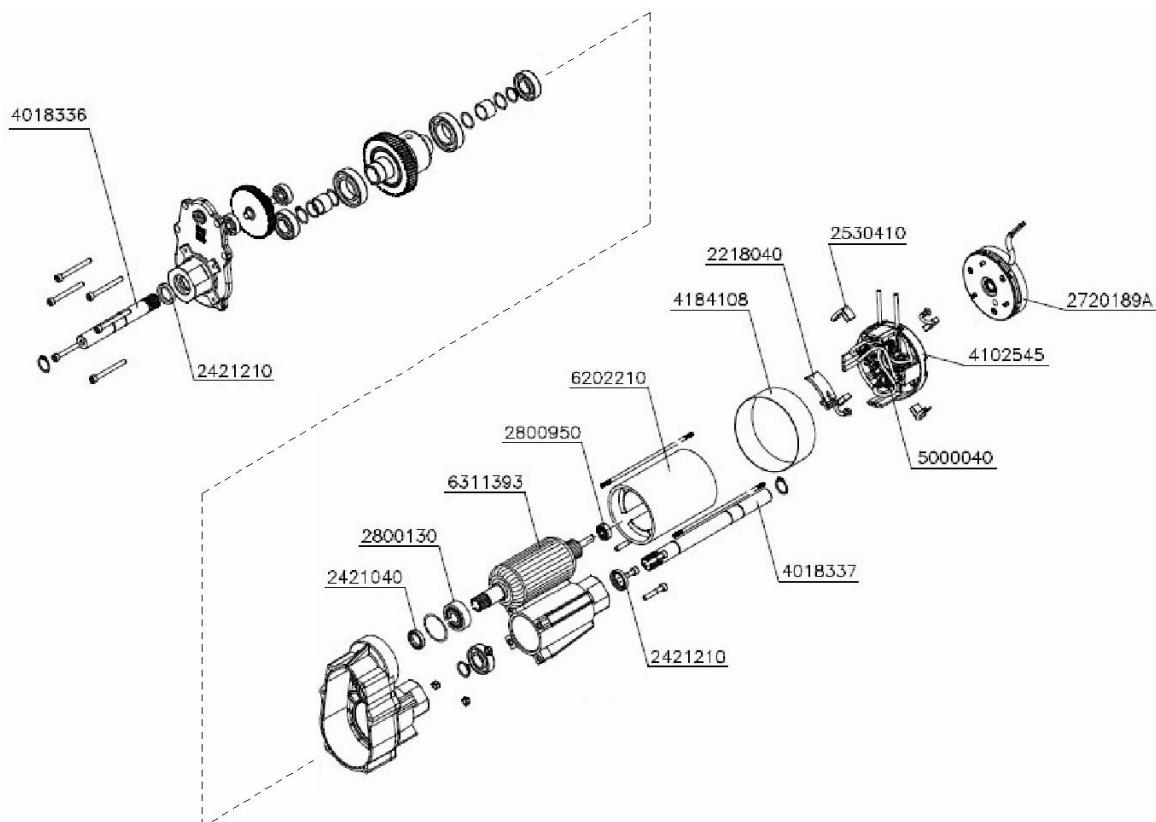


Fig.15 Drive Wheel

No.	Art No.	Description	Qty.	Note
1	2421040	Motor seal	1	
2	2218040	Safety hook	1	
3	2800950	Ballbearing	1	
4	6202210	Stator	1	
5	6311393	Armature	1	
6	2800130	Ballbearing	1	

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7	2530410	Brush	4	
8	4102545	Cap brushes	1	
9	4184108	Brush cover	1	
10	4018337	Right axle shaft	1	
11	2421210	Gearbox seal	2	
12	4018336	Left axle shaft	1	
13	5000040	Brush holder	1	
14	2720189A	Electrobrake	1	

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Fig.16 Cables

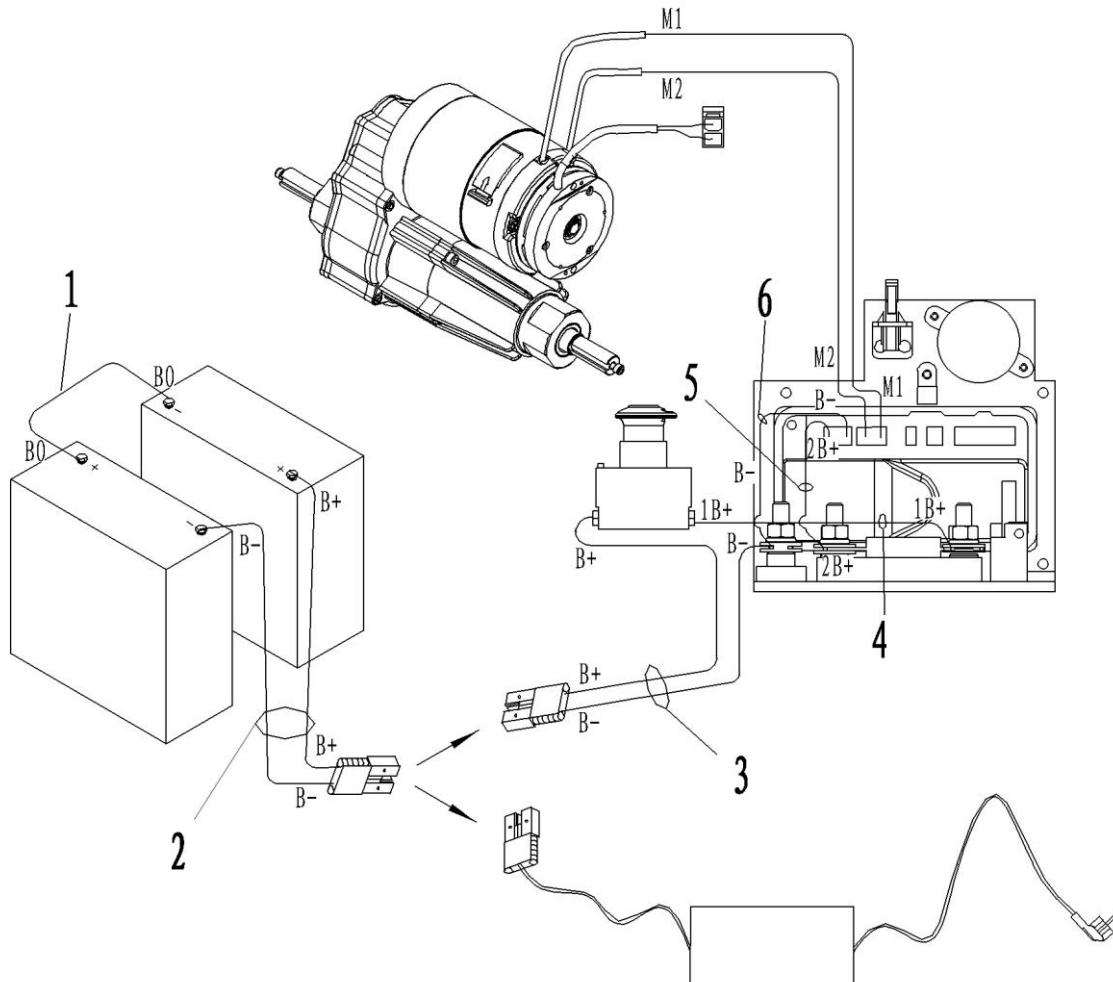


Fig.16 Cables

No.	Art No.	Description	Qty.	Note
1	9000008592	B0 cable	1	
2	9000008590	Battery power cable	1	
3	9000008591	Main power cable	1	

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4	9000008593	1B+ cable	1	
5	9000008594	2B+ cable	1	
6	9000008595	B- cable	1	

Easy worn parts list

No.	Part number	Name	Qty.	Fig./Position	Note
1	9000009568	SR50 78184-00	2	Fig.8/8	Truck frame
2	2550100001	Steering wheel	2	Fig.8/17	
3	9000008189	Wheel assembly	2	Fig.9/1	Drive system
4	9000008208	Battery box	1	Fig.11/1	Battery
5	9000009568	SR50 78184-00	1	Fig.11/3	
6	9000008207	Battery box cover	1	Fig.11/4	
7	9000002161	Proximity switch	2	Fig.10217	Tiller
8	1070334008	Emergency switch S100/80	1	Fig.13/4	Instruments Board Assembly
9	9000002163	Emergency switch S100/80 key	1	Fig.13/5	
10	9000008642	Fuse 30A	1	Fig.14/15	Electronic Control Assembly
11	1000434040	Fuse 10A	1	Fig.14/19	

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