PARTS LIST

Seated electric tow tractor MGA40/60



BANYITONG SCIENCE&TECHNOLOGY DEVELOPING CO., LTD.

www.mimaforklift.com

Instructions

1、 This parts list include all components of MAG40/60

2、 Please find parts based on code number or series number

3、 When order parts, need to know name, quantity and series number

4、 In order to ensure quality, please use our company parts

5、 In order to improve quality, we will update parts , please contact our sales man to know details if you need

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3 wheel electric tow tractor MGA40/60

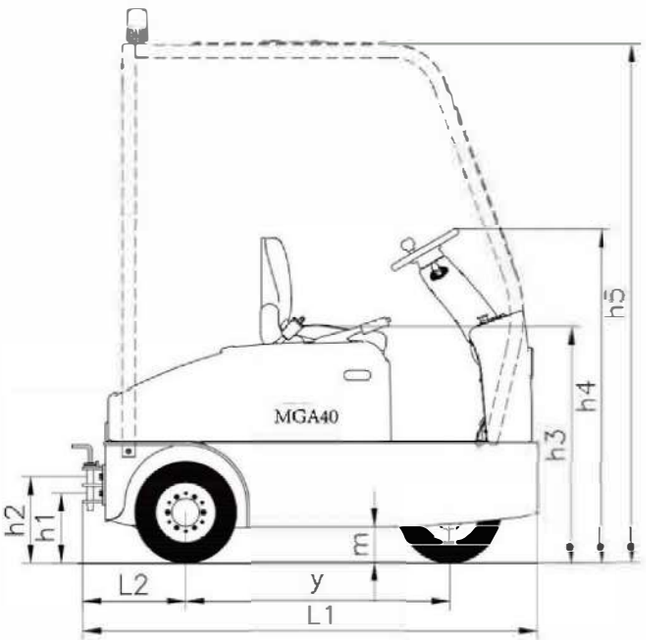
- Three point structure
- AC Drive
- Big battery optional
- LED headlight
- Micro switch
- Adjustable steeringwheel
- Warning light switch

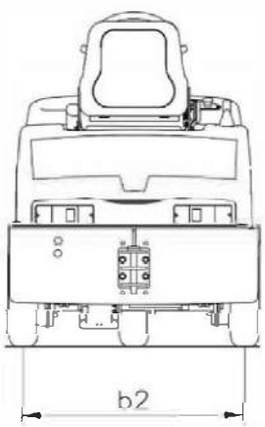




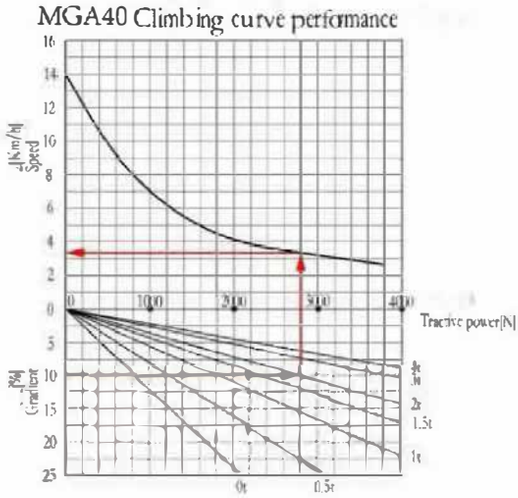


- Simple and elegant overview design
- Big Inner/outer space for storage
- Comfortable operation
- More options

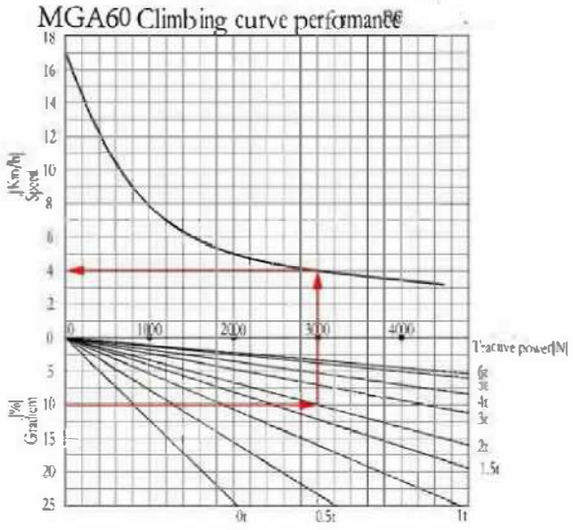


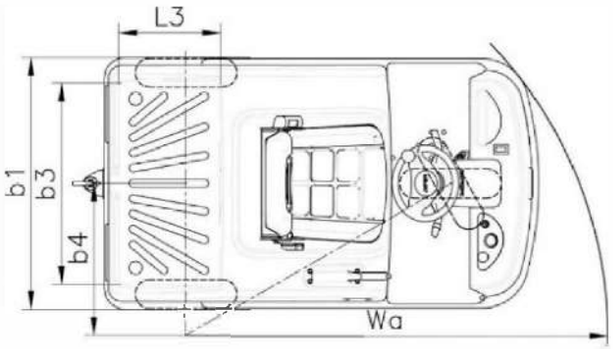


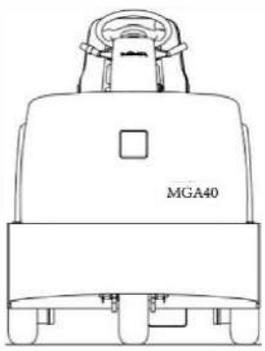
MGA40 Climbing curve performance



MGA60 Climbing curve performance







Characteristics	1.1	Manufacturer				
	1.2	Model designation			MGA40 24V)	MGA60 48V
	1.3	Power unit			Battery	Battery
	1.4	Operation			Seated	Seated
	1.5	Load capacity	Q	t	4.0 [1)]	6.0 [1)]
	1.6	Rared drawbar pull	F	N	800 [1)]	1200 [1)]
	1.7	Wheelbase	y	mm	1040	1040
Weight	2.1	Service weight		Kg	920	1000
	2.1	Axle load without load, front/rear		Kg	365/555	410/590
Wheels and tyres	3.1	Tyres, front/rear			Sold rubber/Air rubber	Sold rubber/Air rubber
	3.2	Tyre size, front			4.00-8	4.00-8
	3.3	Tyre size, rear			4.00-8/6PR	4.00-8/6PR
	3.4	Wheels, number front/rear (x = driven)			1/2x	1/2x
	3.5	Wheel track, front/rear	b2	mm	0/870	0/870
Dimensions	4.1	Heighr of overhead guard(cabin)	h5	mm	2045	2045
	4.2	Height of seat/stand-on platform	h3	mm	895	895
	4.3	Towing coupling height	h1	mm	210/275/340/405	210/275/340/405
	4.4	PLarform heighr, without load	h2	mm	610	610
	4.5	Loading platform, length	b3	mm	790	790
	4.6	Rear overhang	L2	mm	405	405
	4.7	Loading platform, width	L3	mm	390	390
	4.8	Overall length	L1	mm	1790	1790
	4.9	Overall width	b1	mm	990	990
	4.10	Ground clearance, centre of wheelbase	m	mm	140	140
	4.11	Turning radius	Wa	mm	1650	1650
	4.12	Minimum pivoting point distance	b4	mm	600	600
Drive & Other	5.1	Travel speed, without load		Km/h	8/14	7/17
	5.2	Maximum tractive force, without load, 5 minute rating		N	3800	4500
	5.3	Climbing ability with/without load		%	See graph	
	5.4	Service brake			Hydraulic brake/Regenerative brake	
	5.5	Drive motor, 60 minute rating		Kw	3	4.5
	5.6	Battery voltage/rated capacity (5h)		V/Ah	24/490	48/280
	5.7	Battery weight		Kg	390	475
	5.8	Optional battery capacity		Ah	350	350
	5.9	Type of drive control			Electronic/srepless	
	5.10	Noise level at operator's ear		dB	66	66

Model	MGA40 ☐	MGA60 ☐		
Steering type	EPS ☐	Mechanical ☐		
Battery capacity	24V350Ah ☐	24V490Ah ☐		
	48V280Ah ☐	48V350Ah ☐	imported brand ☐	
Body color	gray ☐	black ☐		
Body color	red ☐	green ☐	yesllow ☐	blue ☐
	pink ☐	purple ☐	orange ☐	
Cab	no ☐	ceiling ☐		
Rear wheel	air ☐	solid wheel ☐		
Cold storage	no ☐	yes ☐		
Explosion-proof	no ☐	yes ☐		

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Figure 1 Body system

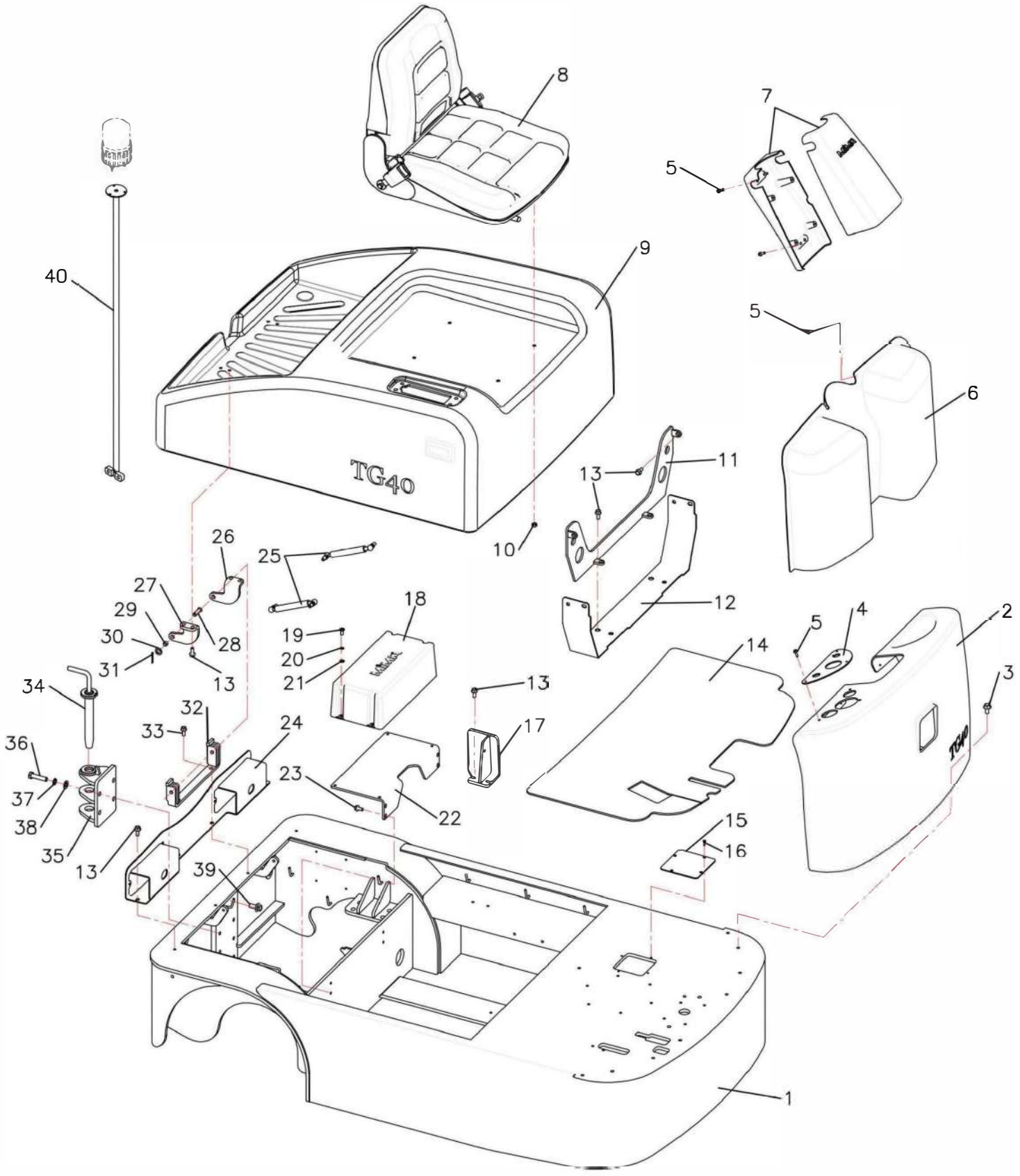
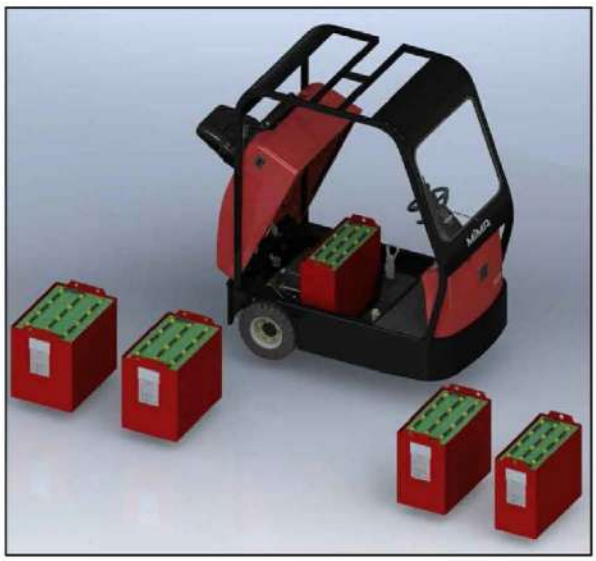


Figure 1 Body system

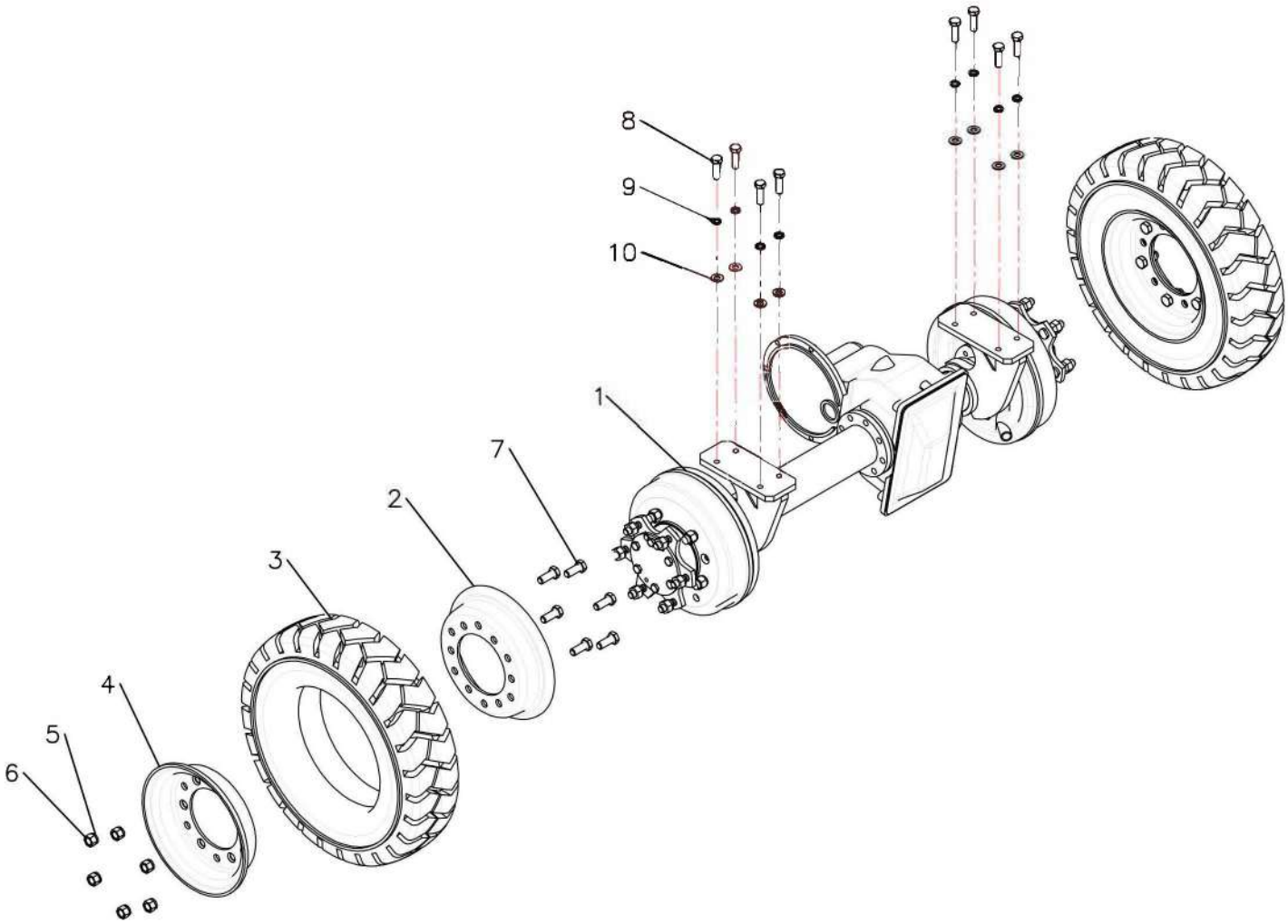




No.	Code	Name	Qty
1	TGA40.1.1	Frame welded	1
2	TGA40.1.6	Front cover	1
3	GB/T5789 M10×20	Hexagonal flange bolt	6
4	TGA40.1.15	Mounting plate	1
5	GB/T5789 M5×16	Hexagonal flange bolt	15
6	TGA60.1.17	Baffle cover(EPS)	1
	TGA40.1.17	Baffle cover(Mechanical)	
7	TGA40.1.14	Steering column cover	1
8	BF1-1	seat	1
9	TGA40.1.5	Machine cover assembly	1
10	GB/T6170 M8	Hexagonal nut	4
11	TGA40.1.22	Battery baffle welded	1
12	TGA40.1.20	Lining board	1
13	GB/T5789 M8×20	Hexagonal flange bolt	18
14	TGA40.1.11	Rubber mat	1
15	TGA40.1.7	Chain adjusting cover plate	1
16	GB/T819.1 M4×16	Screw	4
17	TGA40.1.23	Guide plate welded	2
18	TGA40.1.12	Electric control shield	1
19	GB/T818 M6×16	Bolt	4
20	GB/T93 6	Spring washer	4

No.	Code	Name	Qty
21	GB/T97.1 6	Washer	4
22	TGA40.1.21	Electric control mounting plate	1
23	GB/T5789 M8×16	Hexagonal flange bolt	4
24	TGA40.1.4	Tail frame welded	1
25	BQTH500B	Air spring	2
26	TGA40.1.9	Left hinge	1
27	TGA40.1.8	Right hinge	1
28	GB/T882 10×35B	Pin	2
29	HZ101208	Sliding bearing	2
30	GB/T97.1 10	Washer	2
31	GB/T91 3.2×28	Pin	2
32	TGA40.1.10	Hinge mounting seat welded	1
33	GB/T5789 M8×30	Hexagonal flange bolt	2
34	TGA40.1.3	Traction pin welded	1
35	TGA40.1.2	Traction seat welded	1
36	GB/T5782 M12×50	Bolt	4
37	GB/T93 12	Spring washer	4
38	GB/T97.1 12	Washer	4
39	GB/T5789 M12×25	Bolt	4
40	TGA40.8.2F02	Warning light bracket welded(optional)	4

Figure 2 Drive system



No.	Code	Name	Qty	No.	Code	Name	Qty
1	TGA40.4.2	Drive axle assembly	1	5	GB/T93 12	Spring washer	12
2	TGA40.4.1.1	3.00D-8 inner rim	2	6	GB/T6170 M12	Nut	12
3	4.00-8-6PR	Pneumatic rubber tyre	2	7	GB/T5783 M12×30	Bolt	12
	4.00-8-S	Solid rubber tyre(optional)		8	GB/T5793 M10×35	Bolt	8
	4.00-8-S-BR	Solid trackless tyre(optional)		9	GB/T93 10	Spring washer	8
4	TGA40.4.1.2	3.00D-8 Outer rim	2	10	GB/T97.1 10	Washer	8

Figure 3 Steering system

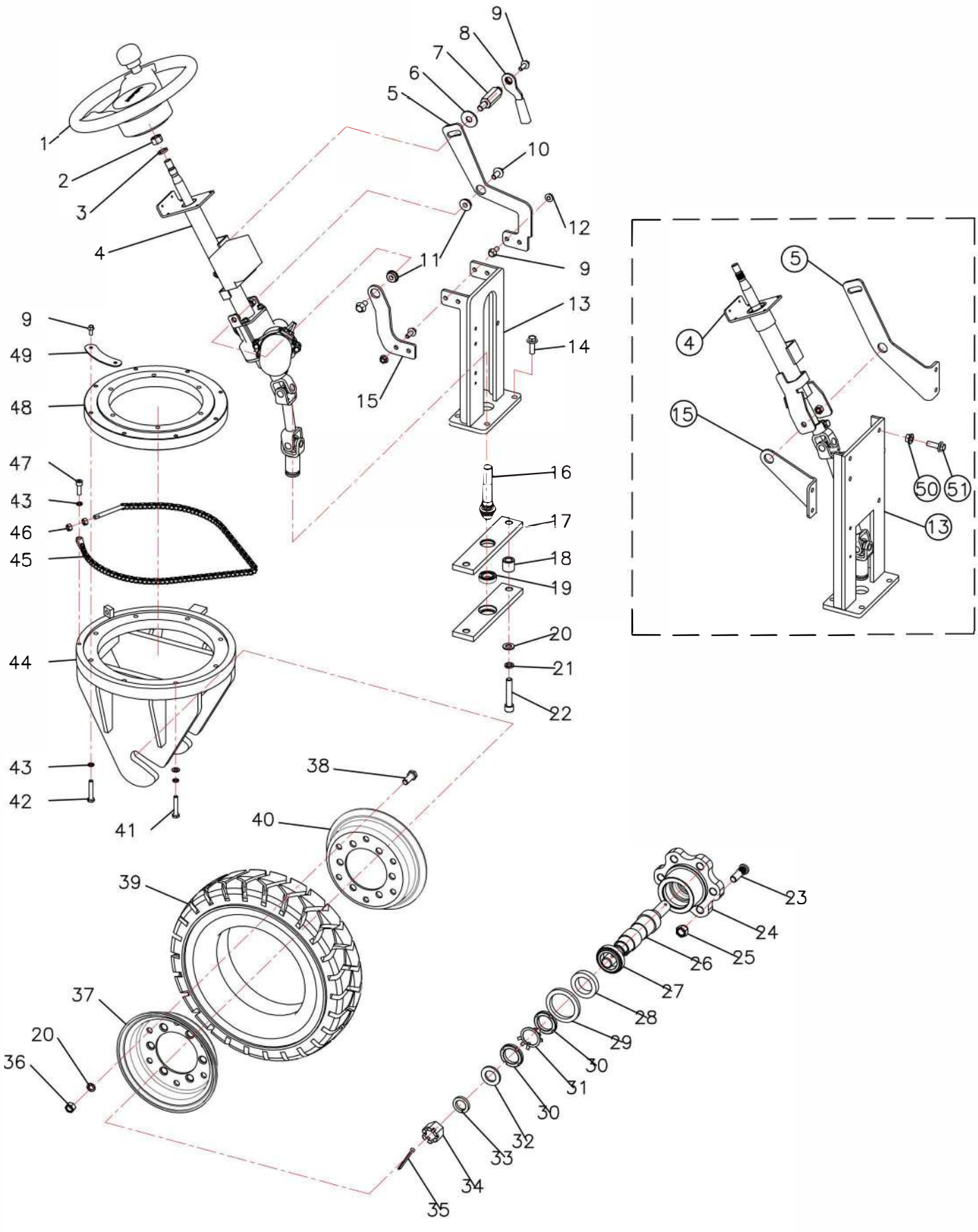


Figure 3 Steering system



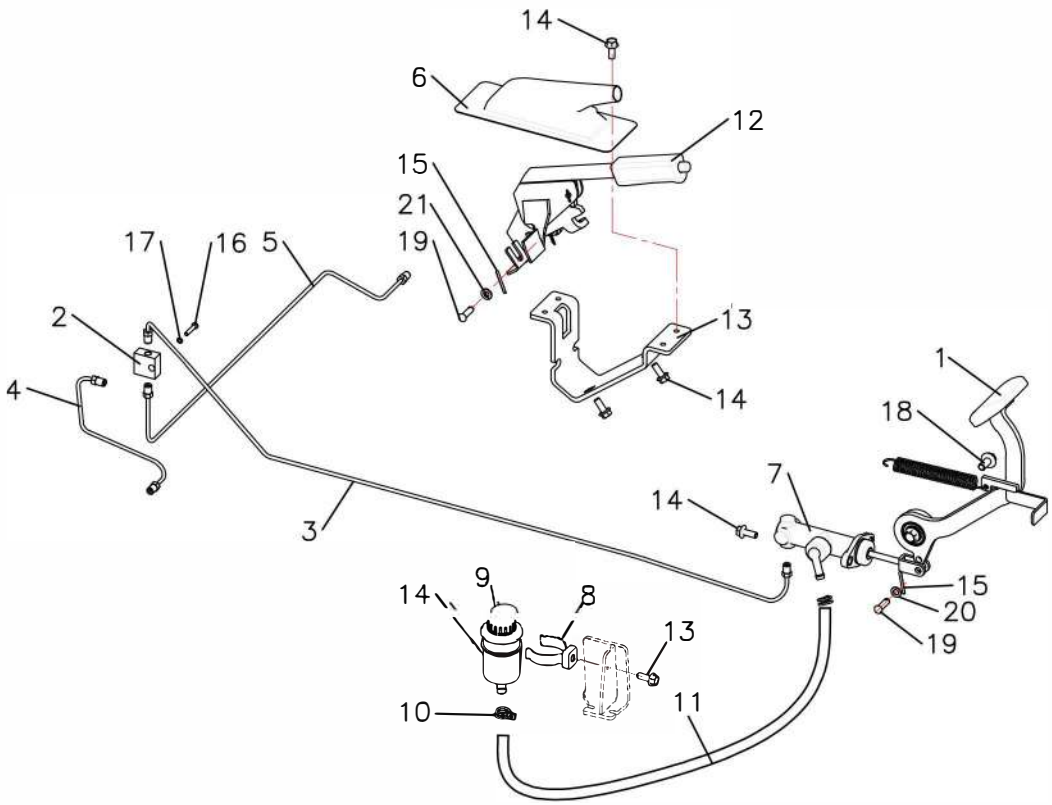


No.	Code	Name	Qty
1	919828601	Steering wheel	1
2	GB/T6171 M14×1.5	I type hexagon nut	1
3	GB/T93 14	Spring gasket	1
4	EPS1201	Steering Column assembly	1
5	TGA60.5.2	Left supporting shelf	1
6	GB/T96.1 12	Big gasket	1
7	JS160-210001-000	Tightening bolt	1
8	N163-215000-000	Tightening handle	1
9	GB/T5789 M8×20	Hexagon flange bolt	5
10	GB/T5789 M10×20	Hexagon flange bolt	2
11	TGA40.5.4	Spacer	2
12	GB/T6177.1 M8	Hexagon flange nut	4
13	TGA60.5.1	EPS Welding shelf	1
14	GB/T5789 M10×30	Hexagon flange bolt	4
15	TGA60.5.2	Right supporting shelf	1
16	TGA40.5.8	Chains wheel shalft	1
17	TGA40.5.6	Bearing head cover	2
18	TGA40.5.7	Pad	2
19	GB/T276 61904-2Z	Deep groove ball bearing	2
20	GB/T93 12	Spring gasket	8
21	GB/T70.1 M12×65	Inner hexagon Round screw	2
22	GB/T97.1 12	Flat gasket	2
23	BQD4501W.1.2.2	Wheel hub bolt	6
24	TGA40.5.2.1	Front wheel hub	1
25	M14×1.5	Wheel hub nut	6

No.	Code	Name	Qty
26	TGA40.5.2.2	Wheel hub shalf	1
27	GB297 32908	Bearing	2
28	TGA40.5.2.3	Sleeving set	2
29	JBZQ4606 60	Oil seal	2
30	GB810 M36	Small round nut	2
31	GB/T858 36	Stop gasket	2
32	GB/T95 24	Gasket	1
33	GB/T93 24	Spring gasket	1
34	GB/T9459 M24×2	Open nut	2
35	GB/T91 5×56	Open pin	2
36	GB/T6170 M12	I type hexagon nut	6
37	GB/T5783 M12×30	Hexagon head bolt	6
38	TG60.5.1.3.2	Outer wheel net	1
39	4.00-8-S	Solid tyre assembly	1
	4.00-8-S-BR	Solid tyre no mark tyre(Option)	
40	TG60.5.1.3.1	Inner wheel net	1
41	GB5782 M8×45	Bolt	12
42	GB5782 M8×35	Bolt	4
43	GB/T93 8	Spring gasket	14
44	TGA40.5.3	Steering wheel welding shelf	1
45	06B-1-A93	TGA40 steering assembly	1
46	GB/T6170 M8	I type hexagon nut	2
47	GB/T6170 M8×25	Inner hexagon round head screw	1
48	BQD5501.14	Slewing support	1
49	TGA40.5.15	Chains block plate	2

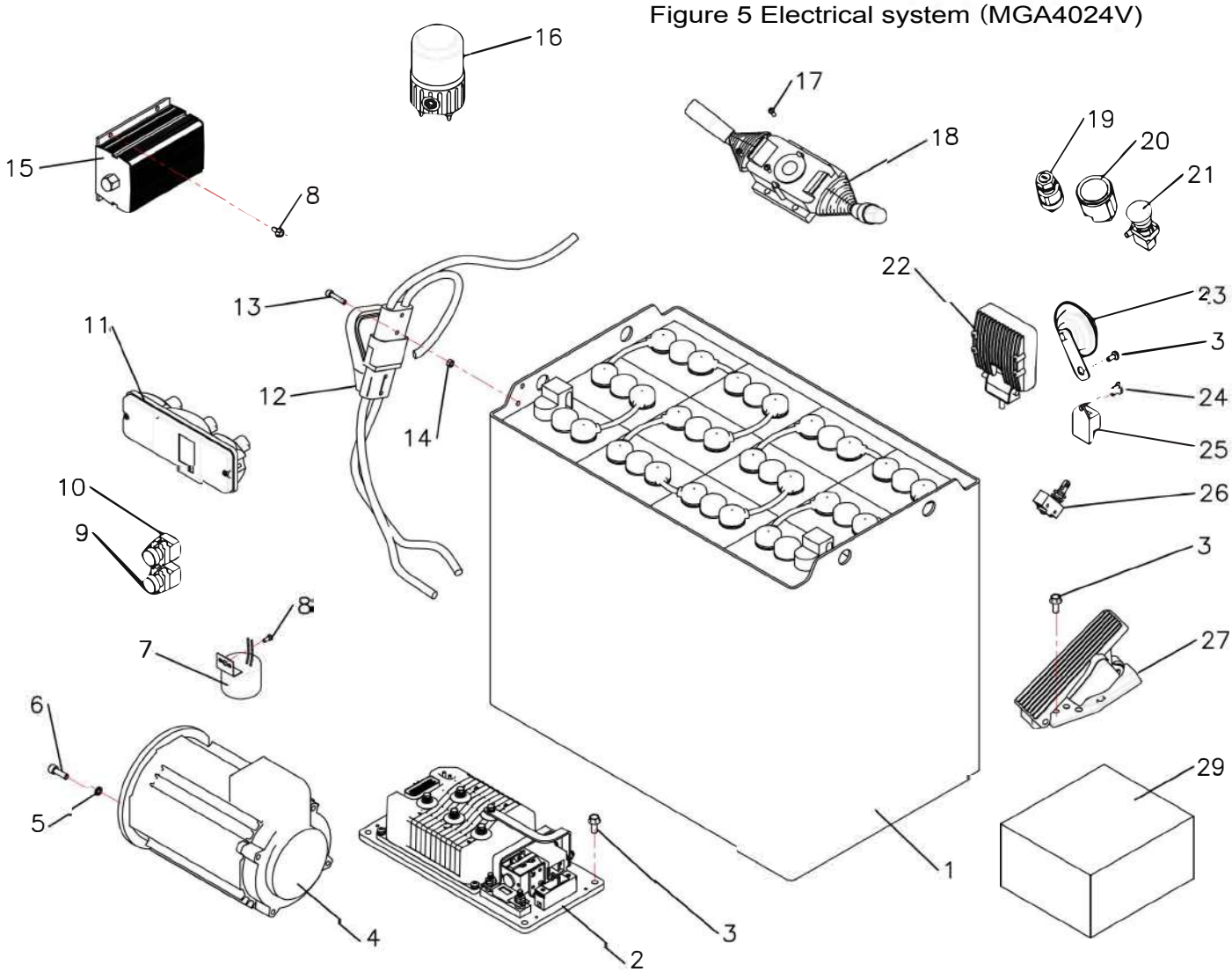
④	TGA40.5.9	Steering column assembly	1
⑤	TGA40.5.13	Left supporting shelf	1
⑬	TGA40.5.11	Steering column welding shelf	1
⑮	TGA40.5.14	Right supporting shelf	1
⑤⓪	GB/T5789 M10×30	Hexagon flange nut	4
⑤①	GB/T6177.1 M10	Hexagon flange nut	4

Figure 4 Brake system



No.	Code	Name	Qty	No.	Code	Name	Qty
1	TGA40.6.1	Feet brake assembly	1	12	P97A3-60201	Brake operation part	1
2	TGA40.6.2	3-way joint part	1	13	TGA40.6.8	Brake supporting shelf	1
3	TGA40.6.3	Brake oil pipe I	1	14	GB/T5789 M8×25	Bolt	9
4	TGA40.6.4	Brake oil pipe II	1	15	GB/T91 3.2×25	Cotter pin	3
5	TGA40.6.5	Brake oil pipe III	1	16	GB/T818 M5×25	Screw	1
6	TGA40.6.6	Hand brake sleeve	1	17	GB/T93 5	Spring gasket	1
7	TGA40.6.7	Brake pump	1	18	GB/T5789 M10×20	Bolt	1
8	TK1530.6.4	Brake oil bottle	1	19	GB/T882 8×26B	Pin	3
9	TK1530.6.3	Brake oil cup clamp	1	20	GB/T848 8	Gasket	1
10	JB/T8870 d16	Hose clamp	2	21	GB/T97.1 8	Gasket	2
11	XJG10D-090	Rubbe pipe	1				

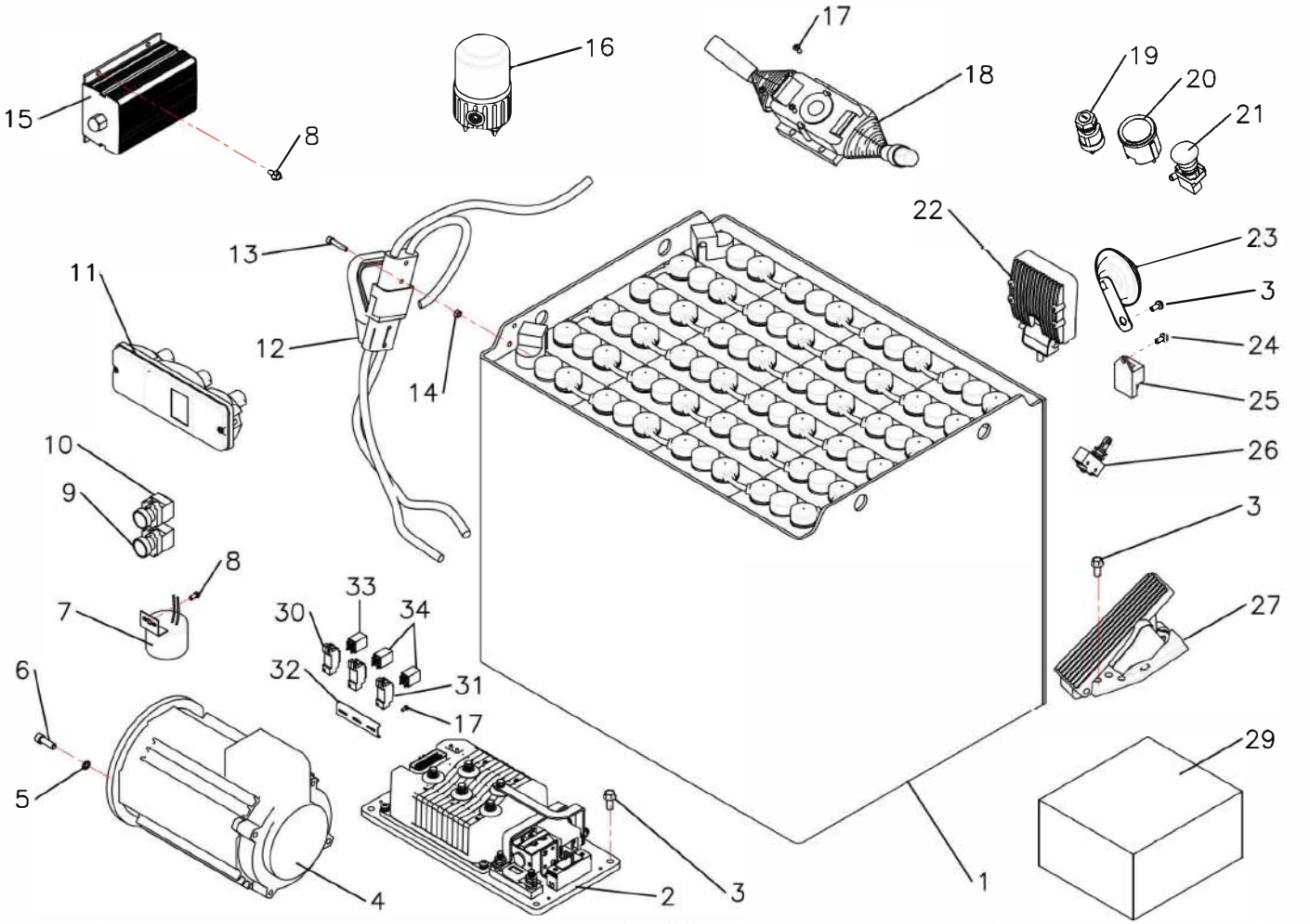
Figure 5 Electrical system (MGA4024V)



No.	Code	Name	Qty
1	QDC24-490-1	Battery set	1
	QDC24-350-1	Battery set(option)	
2	1234-2371J-TGA40	Controller	1
3	GB/T5789 M8×20	Hexagon flange bolt	7
4	XQJ3-BYT1	Drive motor	1
5	GB/T70.1 M8×25	Inner hexagon round screw	5
6	GB/T93 8	spring gasket	5
7	DJB-24B	Reverse buzzle	1
8	GB/T5789 M6×12	Bolt	5
9	NP2-BA31	Button	1
10	NP2-BA45	Button	1
11	DJ24520-W2	Colorful rear lamp	2
12	TGA40.7.30AC	Cable assembly	1
13	GB/T70.1 M6 × 30	Inner hexagon round screw	2
14	GB/T6171 M6	1*type hexagon nut*	2
15	QLB2.442.000	DC *converter*	1

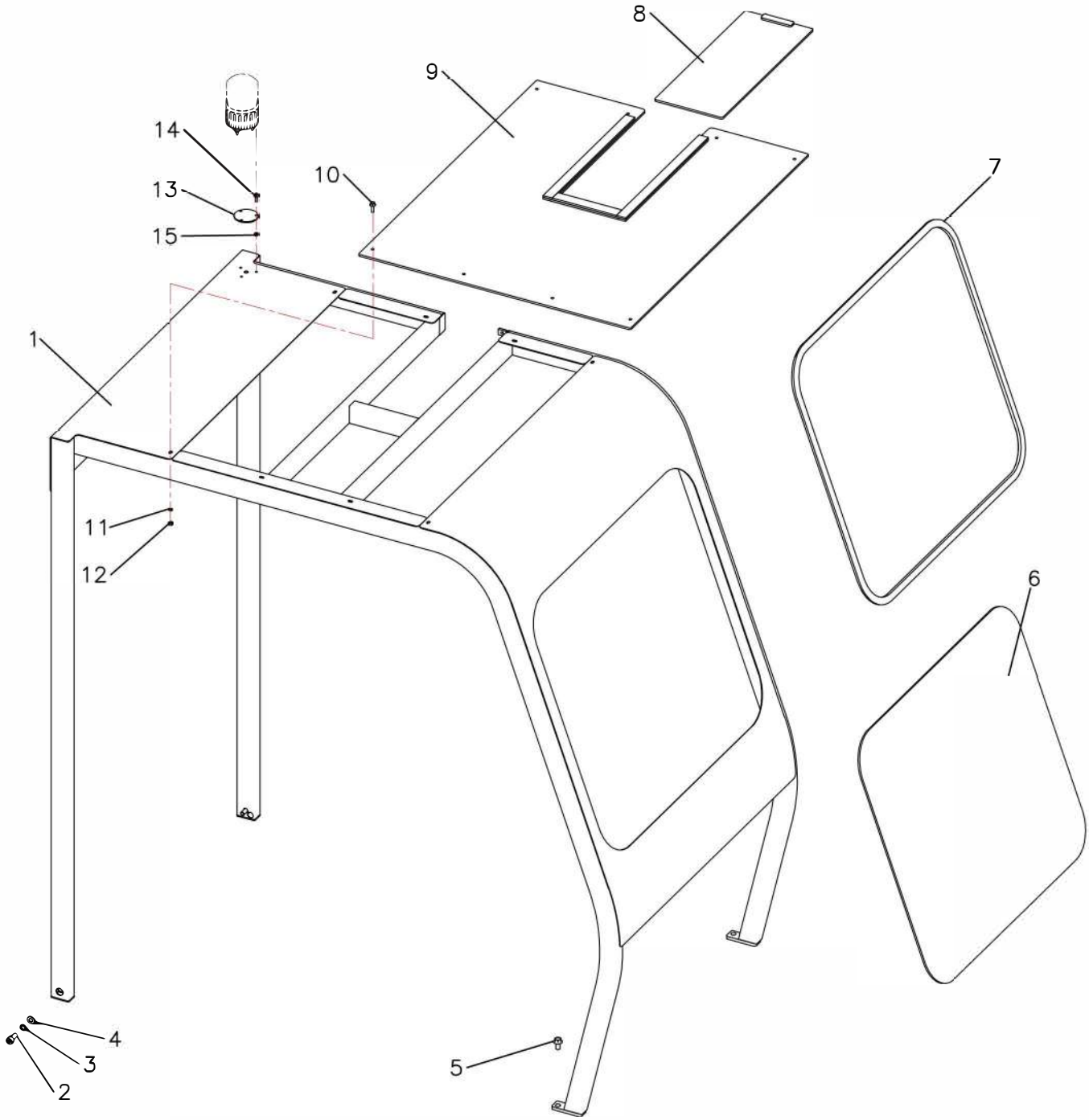
No.	Code	Name	Qty
16	DJ24050-B1	Alarm lamp(option)	1
17	GB/T818 M5×12	Cross head screw	4
18	JK806	switch	1
19	JK421	Power switch	1
20	840R015RFBA101N	Meter	1
21	NP2-BS542	Emergency switch	1
22	NSCD-I	Big lamp	1
23	DL2280-24V	Horn	1
24	GB/T5789 M6×12	Hexagon flange bolt	7
25	SG252	Electric flasher	1
26	Z-15GQ22-B	Micro switch	2
27	HXJS-4805B	Accelerator	1
28	TGA40.7.20AC	Wire assembly	1
29	CDJ2470-20	Charger	1
	CDJ2450-20	Charger(option)	
30	QB-ZD02	switch (option)	

Figure 6 Electrical system(MGA60 48V)



No.	Code	Name	Qty	No.	Code	Name	Qty
1	QDC48-280-2	Battery set	1	18	JK806	Assembly switch	1
	QDC48-350-1	Battery set(option)		19	JK421	Power swtich	1
2	1234-5371-TGA60	Controller	1	20	840R015RFBA101N	Meter	1
3	GB/T5789 M8×20	Hexagon flange bolt	7	21	NP2-BS542	Emergency switch	1
4	XQJ4.5-BYT5	Drive motor	1	22	NSCD-I	Big lamp	1
5	GB/T70.1 M8×25	Inner hexagon round screw	5	23	DL228012V	Horn	1
6	GB/T93 8	Spring gasket	5	24	GB/T5789 M6×12	Hexagon flange bolt	7
7	DJB-12B	Reverse buzzle	1	25	SG152	Electric flasher	1
8	GB/T5789 M6×12	Bolt	5	26	Z-15GQ22-B	Micro swtich	2
9	NP2-BA31	Button	1	27	HXJS-4805B	Accelerator	1
10	NP2-BA45	Button	1	28	TGA60.7.20AC	Wire assembly	1
11	DJ12520-W2	Colorful rear lamp	2	29	CDJ4840-20	Charger	1
12	TGA40.7.30AC	Cable assembly	1		CDJ4850-20	Charger(option)	
13	GB/T70.1 M6×30	Inner hexagon round screw	2	30	CZT08A-02	Relay socket	3
14	GB/T6171 M6	1type hexagon nut	2	31	PYC-A1	Relay firmed parts	6
15	A7E92-40901	DC converter	1	32	DG35×7.5×1.0-125	Rail	1
16	DJ12050-B1	Alarm lamp(option)	1	33	JQX-13F-48V	Electromagnetic relay	1
17	GB/T818 M5×12	Cross head screw	6	34	JQX-13F-12V	Electromagnetic relay	2

Figure 7 overguard assembly



No.	Code	Name	Qty
1	TGA40.8.1.1F01	Overguard welding	1
2	GB/T70.1 M10×25	Inner hexagon round screw	2
3	GB/T93 10	spring gasket	2
4	GB/T97.1 10	Gasket	2
5	GB/T5789 M10×20	Hexagon flange nut	2
6	TGA40.8.1.2F01	Front block glass	1
7	TGA40.8.1.5F01	Rubber mat	1
8	TGA40.8.1.4F01	Board	1

No.	Code	Name	Qty
9	TGA40.8.1.3F01	Plexiglass	1
10	GB/T5789 M6×20	Hexagon flange bolt	8
11	GB/T93 10	spring gasket	8
12	GB/T6170 M6	1type hexagon nut	8
13	TGA40.8.1.6F01	Cover plate	1
14	GB/T5789 M5×16	Hexagon flange bolt	3
15	GB/T6170 M5	1type hexagon nut	3



NOTICE.specifications are subject to change without notice.