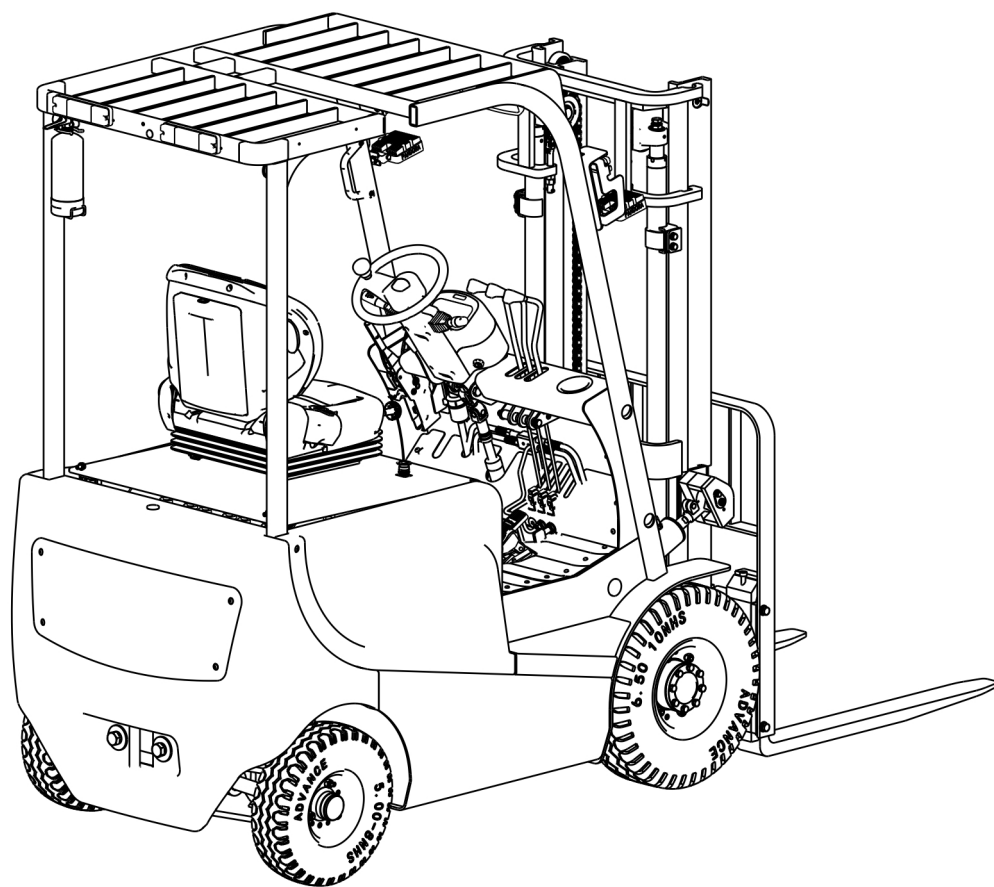




E16-18A
Counterbalance lift truck
平衡重式叉车
Parts list 零件目录

20241029 V02

PARTS ORDERING INSTRUCTIONS

HOW TO ORDER

When you order, supply the part number, quantity, model and serial numbers of your machine. Supplying this information will assure prompt, efficient handing 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 reason, the part 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 your truck. 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.

INSTRUCTIONS FOR RETURNING PARTS

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

If you have some parts which must be returned, contact your dealer. If he believes parts should 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.

零件订购说明

如何订购

当您订购的时候，您需要提供叉车零件的编号，数量，型号和序列号。提供这些信息能够保证您的订购更加的高效。

因为您的经销商有很多零件的存货，而且需要保持所有零件的价格是最新的，所以他会尽快地处理您的订购需求。假如因为某些原因，存货中没有这个零件，那么他会从公司订货。无论怎样的情况，他手里都会有一份服务手册文件，它能提供所有可用的零件的订购信息或者技术信息。

订购地点

当您需要订购零件时，请到销售给您叉车的经销商那里订购。如果经销商有必要从公司订购零件，他能为您提供快捷的服务。根据您的订购信息，零件和它对应的操作说明会一起装好。

零件的退还说明

一般情况下，因为信用的关系，退还的零件没有事先的同意，是不会被公司认可的。我们不会对没有经过授权但退还过来的零件负责。

如果您有一些零件一定要退还，请联系您的经销商。若经销商确认零件可以退还，则其会安排授权要退还的零件。

技术修改

当叉车技术有修改时，这本手册的修正页会重新发行。当您拿到这些修正页时，您一定要立即把它们插入到您的零件手册中。若没有及时的更新您的零件手册，则可能会导致您订购、维护等方面的错误。

GENERAL INFORMATION

INDEX

This parts manual is arranged for easy identification of parts .The index at the front of the catalog gives location of major groups and assemblies.

PART LIST

The Item, describes the item on the Figure you are looking at. The Part No. is a numerical description of the item and the part ordering number. The Description is a description of the part number in alphabetical form. The Qty is the quantity used on the machine. The Applied Date is a description when the part is applicable.The Remark is the explanation of the part for a supplement such as the model the capability, the characteristic etc.

HOW TO READ PARTS MANUAL

HELP 1:

Item	Part No	Description	Qty	Applied Date	Remark
------	---------	-------------	-----	--------------	--------

A →

1		02.XDC.3556	Battery	1		24V/20AH
1		02.XDC.3557	Battery	1		24V/30AH
1		02.XDC.3558	Battery	1		24V/40AH
2		03.0132	Screw M5×8	5		

B →

7		03.0245	Nut M12	2		
8		03.04790	Spring	2		
9	01	30.01.6685	Wheel Frame	1	-210125	
9	02	40.11.048	Wheel Frame	1	210125-	

C →

6		02.KSCX.0001	Cover	1		
7		03.0243	Nut M10	2		Cancel
8		40.11.040	Roller	2		
9		03.1088	Bolt M10×60	2		

D →

3		33.054.0001	Frame (550)	1		
3		33.054.0002	Frame (685)	1		
4		03.02393	Screw M6×16	6		
5		40.18.005	Shaft (550)	1		
5		40.15.044	Shaft (685)	1		

E →

6		33.036.0007	Push Rod Welding	2		For 1800Kg
7		03.0691	Bushing Φ19×Φ16×15	4		
8		03.0305	Round Pin Φ5×30	10		

A:The part of Index 1 is Optional.

B:The part of Index 9 has an Applicability, because it's our policy to constantly improve our products.

C:The part of Index 7 indicates that the part is canceled. Note the version number when ordering.

D:The part of Index 3 indicates that the frame welds have different specifications, 550 or 685 indicates the outer width of the forks. Index 5 indicates the parts used for the outer width of the forks.

E:The part of Index 6 indicates that the part is used for model with load capacity of 1800KG.

1. Record by time

– 210125 : Ending on January 25, 2021.

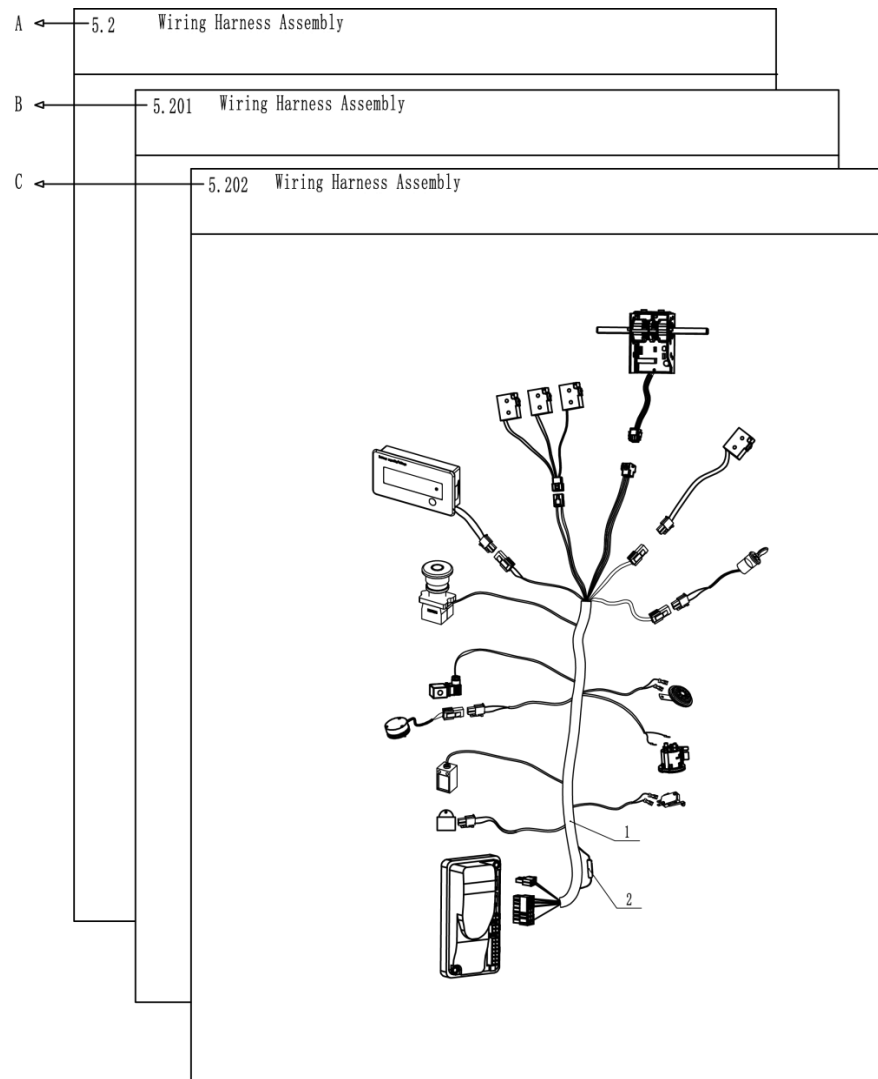
210125- : Beginning on January 25, 2021.

2. Record by serial number

01 : Ending at 01

02 : Starting at 02

HELP 2:



A:Section 5.2 is the original version.

B:Section 5.201 is the version that some parts in the Section 5.2 have been changed.

C:Section 5.202 is the version that some parts in the Section 5.201 have been changed.

When you order, Please locate specific parts information of your truck by the Applied Date of parts in each version.

概要
目录

将零件目录分组成几个易识别的部分，并把主要结构和总成放置在索引目录中。

零件明细表

Item 描述的是在插图上，您想要找的项目。**Part No.**是零件的一系列描述和它的订购号码。**Description** 是用文字的形式描述零件的号码。**Qty** 代表的是零件在叉车上使用的数量。**Applied Date** 表示的是零件适用的时间范围。**Remark** 是用来补充说明零件信息(例如车型、性能和特征等)。

怎么读取零件明目录

帮助 1:

Item 序号		Part No 代码	Description 名称		Qty 数量	Applied Date 适用日期	Remark 备注
A	1	02.XDC.3556	Battery	锂电池	1		24V/20AH
	1	02.XDC.3557	Battery	锂电池	1		24V/30AH
	1	02.XDC.3558	Battery	锂电池	1		24V/40AH
	2	03.0132	Screw M5×8	螺钉	5		
B	7	03.0245	Nut M12	螺母	2		
	8	03.04790	Spring	弹簧	2		
	9	01 30.01.6685	Wheel Frame	轮架	1	-210125	
	9	02 40.11.048	Wheel Frame	轮架	1	210125-	
C	6	02.KSCX.0001	Cover	前盖板	1		
	7	03.0243	Nut M10	螺母	2		Cancel/取消
	8	40.11.040	Roller	滚子	2		
	9	03.1088	Bolt M10×60	螺栓	2		
D	3	33.054.0001	Frame(550)	车架	1		
	3	33.054.0002	Frame(685)	车架	1		
	4	03.02393	Screw M6×16	螺钉	6		
	5	40.18.005	Shaft(550)	支撑轴	1		
	5	40.15.044	Shaft(685)	支撑轴	1		
E	6	33.036.0007	Push Rod Welding	推杆	2		For 1800Kg
	7	03.0691	BushingΦ19×Φ16×15	复合套	4		
	8	03.0305	Round PinΦ5×30	弹性圆柱销	10		

A: 序号 1 表示该零件有几个品种可供您的选择。

B: 序号 9 表示该零件有一个适用的时间范围。这是因为我们在不断地进行产品的升级。

C: 序号 7 表示该零件取消，订购时注意版本号。

D: 序号 3 表示车架焊接体有不同的规格，550 或 685 表示货叉的外宽。序号 5 表示配用于货叉外宽的零部件。

E: 序号 6 表示该零件配用载重 1800KG 车型。

1. 用时间记录

– **210125** : 截止到 2021 年 01 月 25 日

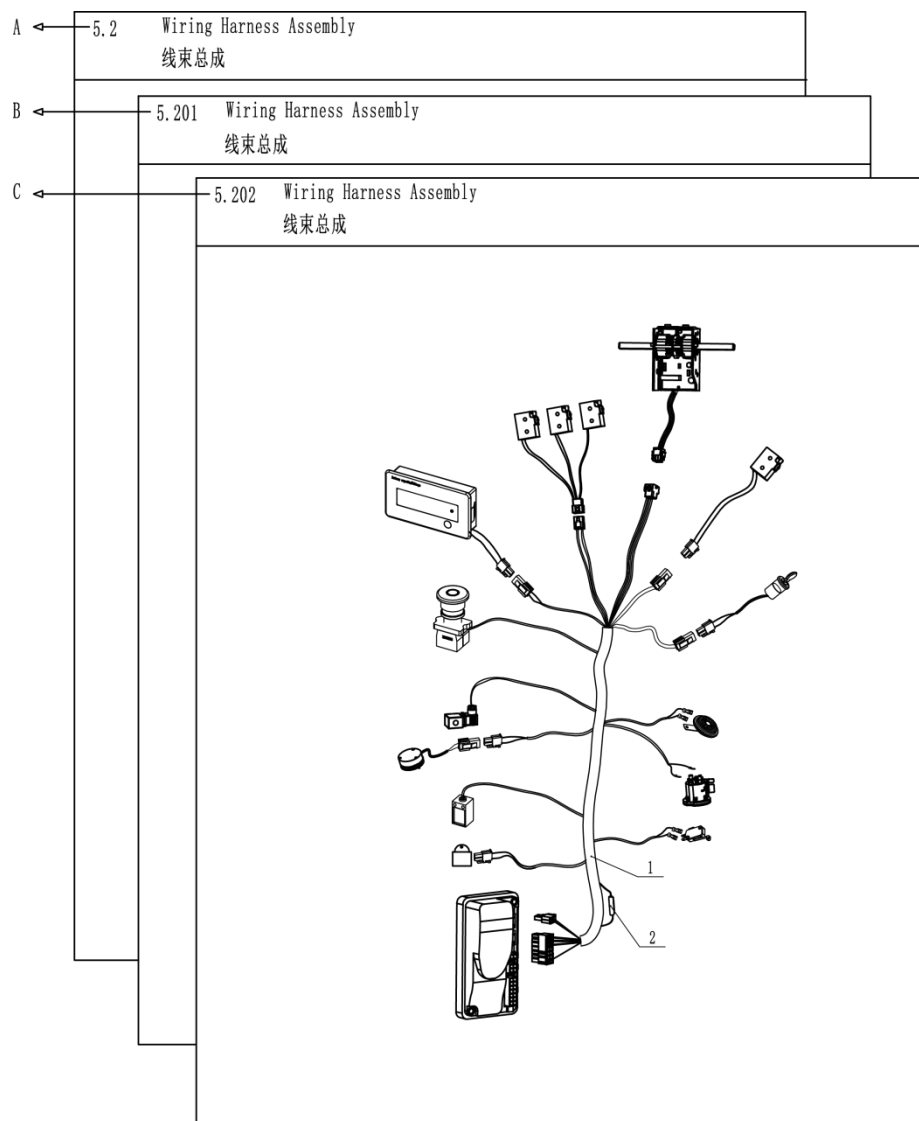
210125- : 起始于 2021 年 01 月 25 日

2. 用序列号记录

01 : 截止序列号 01

02 : 起始序列号 02

帮助 2:



A: 章节 5.2 表示原始版本;

B: 章节 5.201 表示在原始版本 (章节 5.2) 上零件有所变更;

C: 章节 5.202 表示在变更版本 (章节 5.201) 上零件有所变更。

当您订购零件时, 请根据每个版本中零件的适用时间来判断您所选购车型的零件信息。

Index 目录

1. Frame System 车身系统

1.1 Frame Assembly (1.6T) 车架总成 (1.6 吨)	1
1.2 Frame Assembly (1.8T) 车架总成 (1.8 吨)	2
1.3 Pedal Assembly 踏板总成	3
1.4 Counterweight Assembly 配重总成	4
1.5 Seat Assembly 座椅总成	5
1.6 Overhead Guard Assembly 护顶架总成	6

2. Dynamical System 动力系统

2.1 Operating System 操作系统 (不带侧移)	7
2.2 Operating System 操作系统 (带侧移)	8
2.3 Steer System 转向系统	9
2.4 Drive System 驱动系统	10
2.5 Brakes System 制动系统	11

3. Mast Lifting System 起升系统

3.1 Two Stage Gantry Assembly 两级门架总成	12
3.2 Third Level Fully Free Gantry Assembly (With Side Shift) 三级全自由门架总成 (带侧移)	14

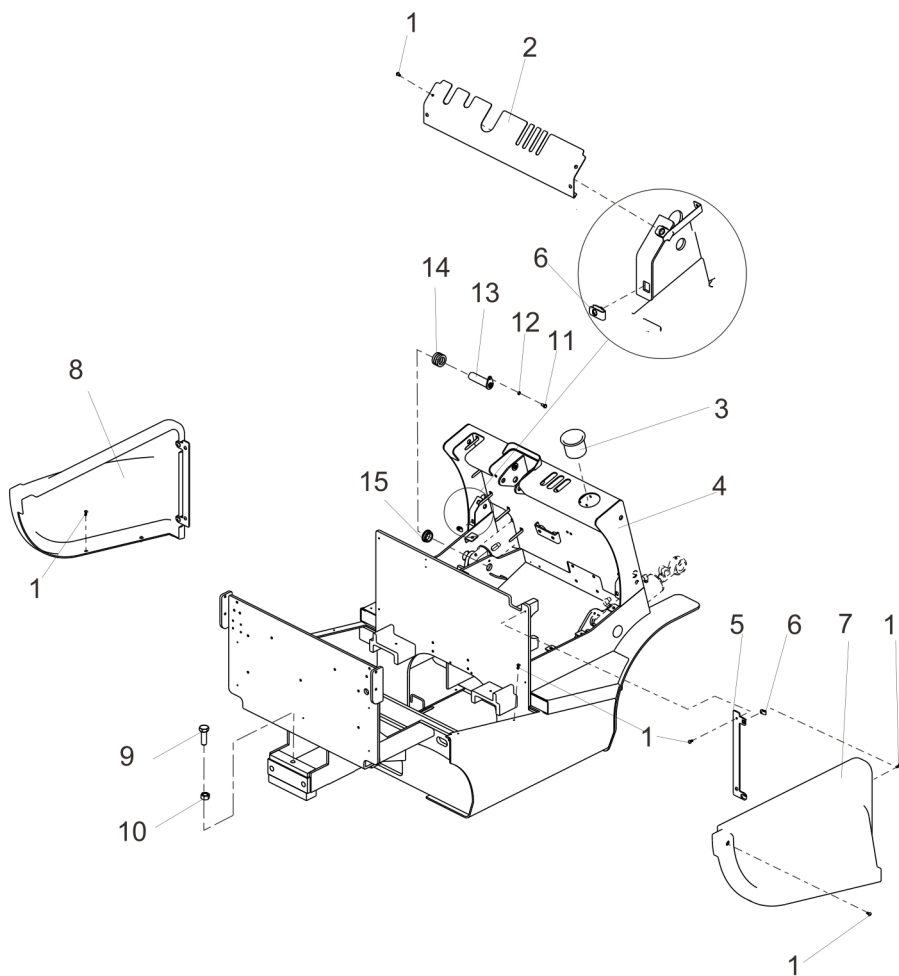
3.3 Third Level Fully Free Gantry Assembly (Without Side Shift) 三级全自由门架总成（不带侧移）	17
3.4 Tray Rack Assembly (With Side Shift) 托盘架总成（带侧移）	20
3.5 Tray Rack Assembly (Without Side Shift) 托盘架总成（不带侧移）	21
4. Hydraulic System 液压系统	
4.1 Body Hydraulic System 车身液压系统.....	22
4.2 Body Hydraulic System (With Side Shift) 车身液压系统（带侧移）	23
4.3 Body Hydraulic System (Without Side Shift) 车身液压系统（不带侧移）	24
4.4 Two Stage Gantry Hydraulic System 两级门架液压系统.....	25
4.5 Three Stage Gantry Hydraulic System 三级门架液压系统.....	26
4.6 Three Stage Gantry Side Shift Hydraulic System 侧移液压系统.....	27
5. Electric System 电气系统	
5.1 Electric Assembly 电气总成.....	28
5.2 Control Board Assembly 1 控制板总成 1.....	29
5.3 Control Board Assembly 2 控制板总成 2.....	30
5.4 Wiring Harness Assembly (1232SE+1232SE) 线束总成（1232SE+1232SE）	31
5.5 Wiring Harness Assembly (F4-A+F4-A) 线束总成（F4-A+F4-A）	32

5.6 Wiring Harness Assembly (Where a few) 线束总成 (凡几)	33
5.7 Cable Assembly (1232SE+1232SE) 电缆总成 (1232SE+1232SE)	34
5.8 Cable Assembly (F4-A+F4-A) 电缆总成 (F4-A+F4-A)	35
5.9 Cable Assembly (Lithium Battery) 电缆总成 (锂电池)	36

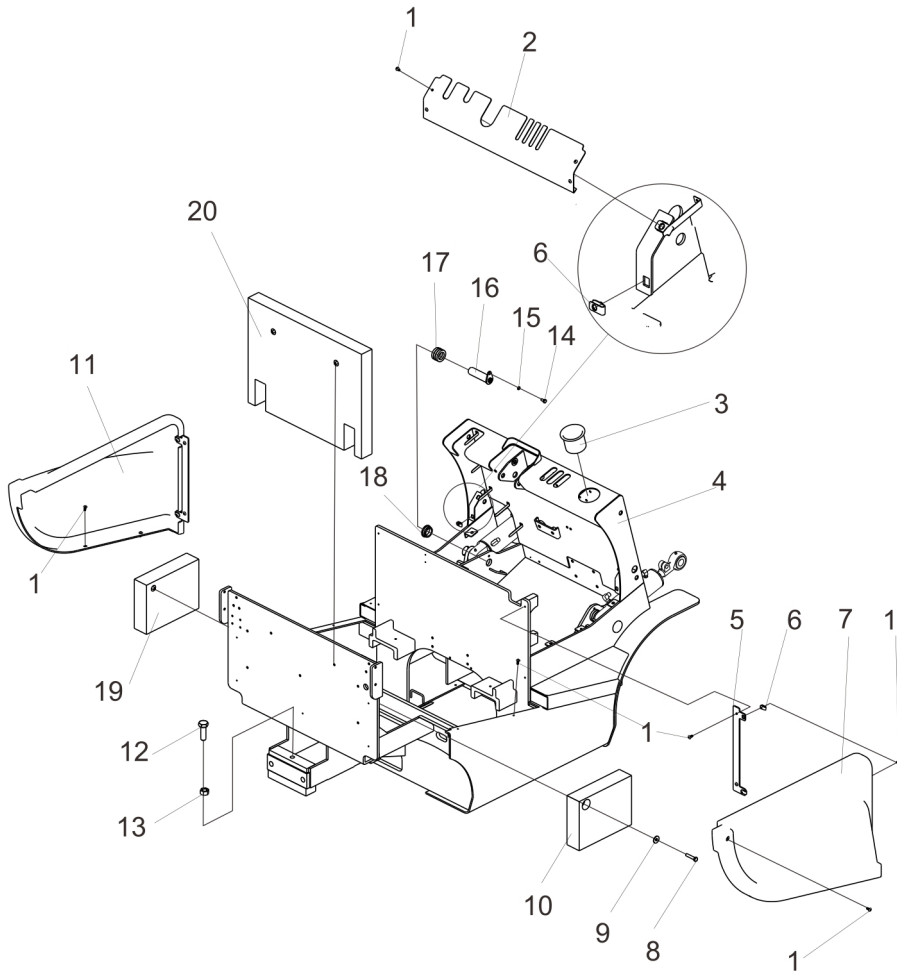
修订记录

版 本	修订人	修订事项
20240715 V01	祝垠	首次发布；
20241029 V02	祝垠	（1） 1.1-1.2 车架总成 增加序号 4:车身（带密码锁）， 编码 20104010330； （2） 5.1 电气总成新增：序号 16 锂电池，编码 70501480004；序号 17 锂电池充电器，编码 70412020173；序号 21 控制板总成，编码 70301000018、70301000028、70301000090；序号 22 密码锁，编码 70106000003； 5.2 控制板总成 1 新增：序号 22 交流控制器，编码 70302000053。 （3） 5.1 电器总成编码更正：序号 17 铅酸电池，编码更正为 70411020102。 （4） 新增 5.3 控制板总成 2。 （5） 排版更新。

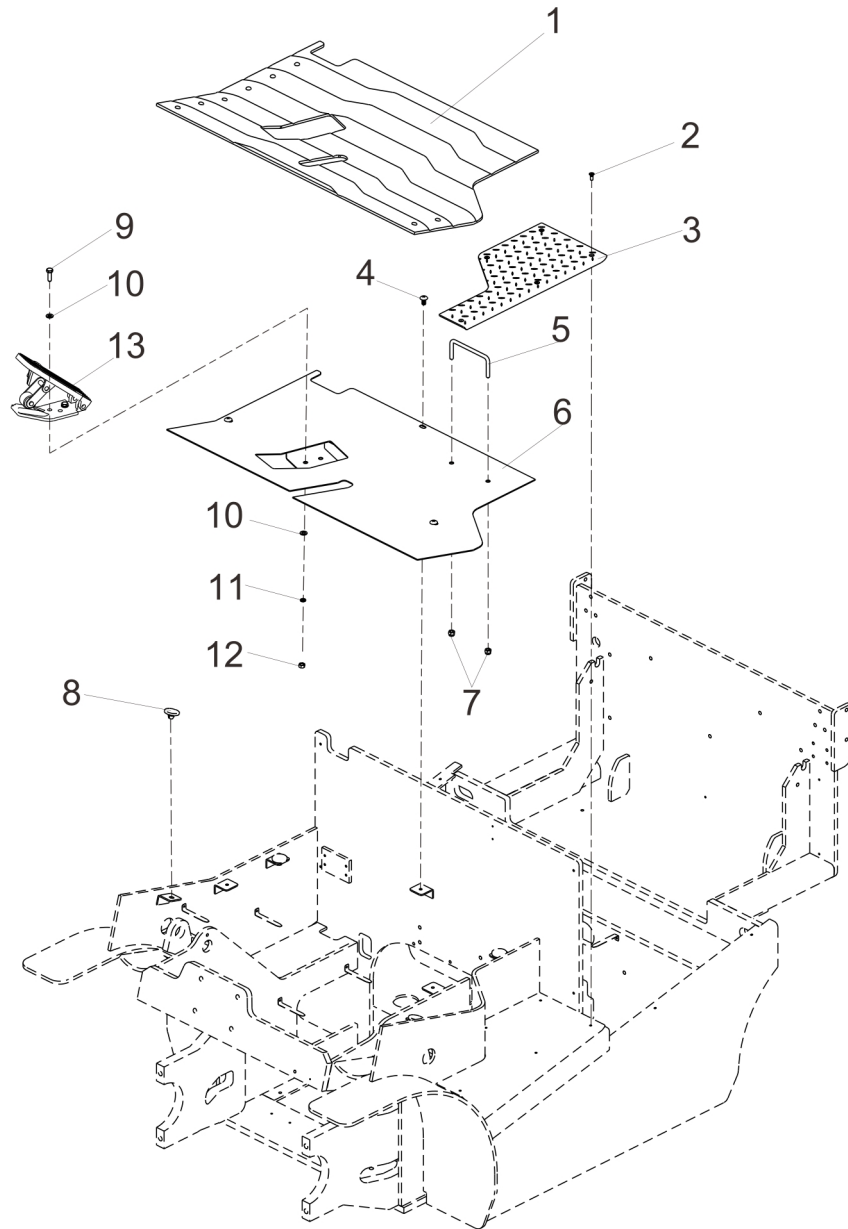
1.1 Frame Assembly
车架总成 1.6T

[illegible]

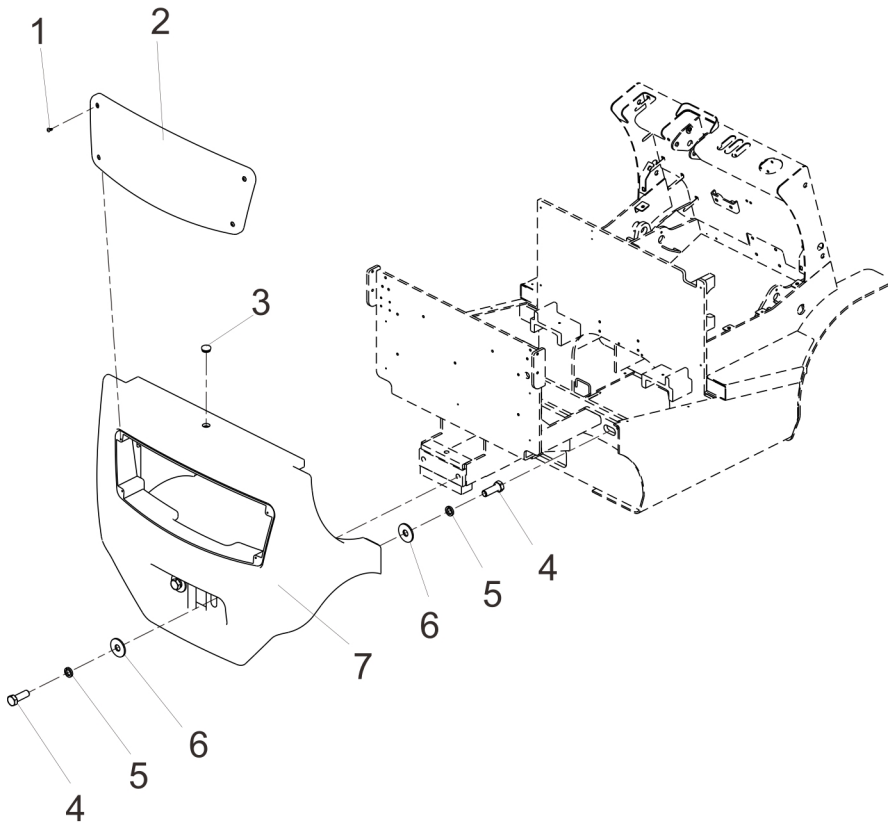
1.2	Frame Assembly 车架总成 1.8T
-----	-----------------------------

[illegible]

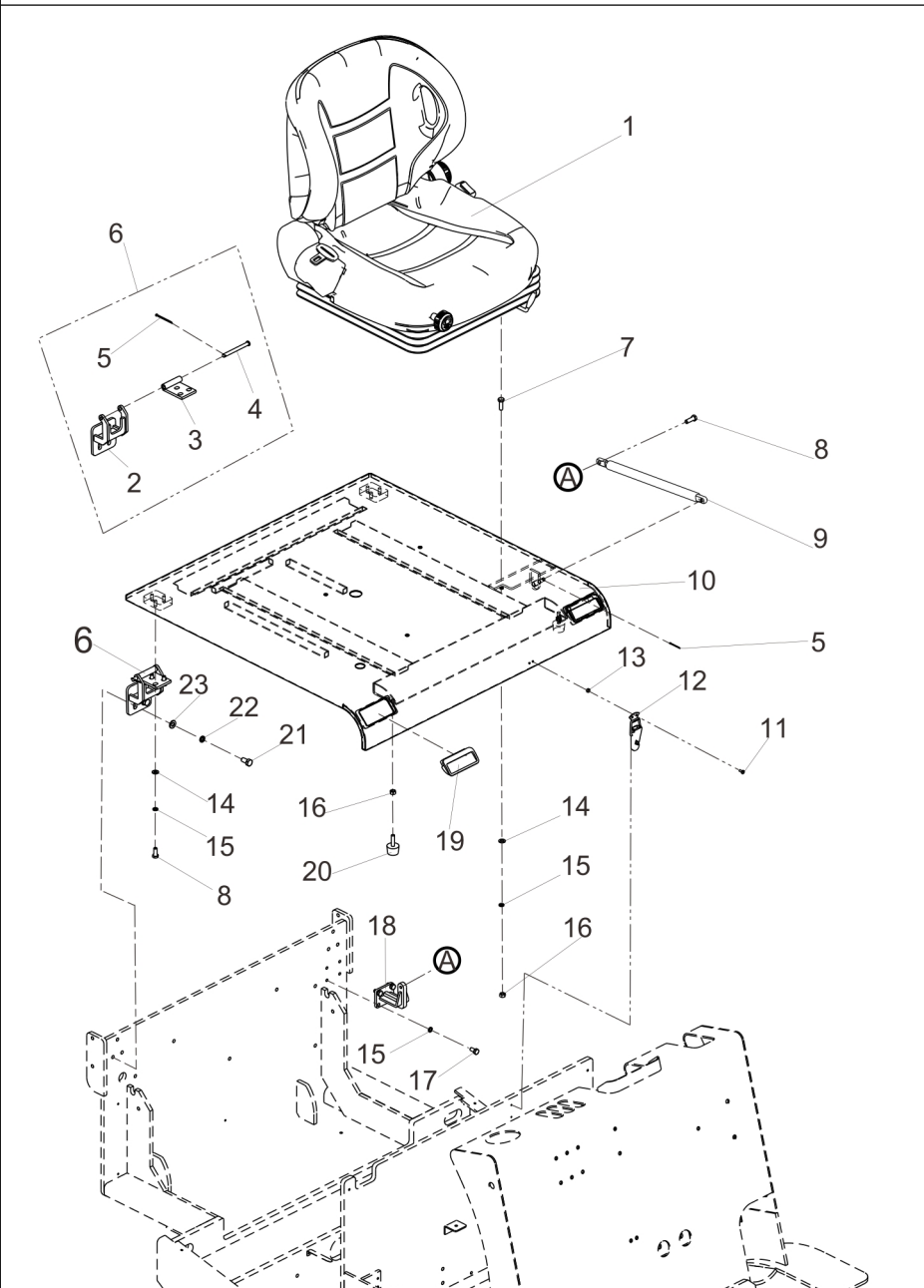
1.3 Pedal Assembly 踏板总成

[illegible]

1.4 Counterweight Assembly

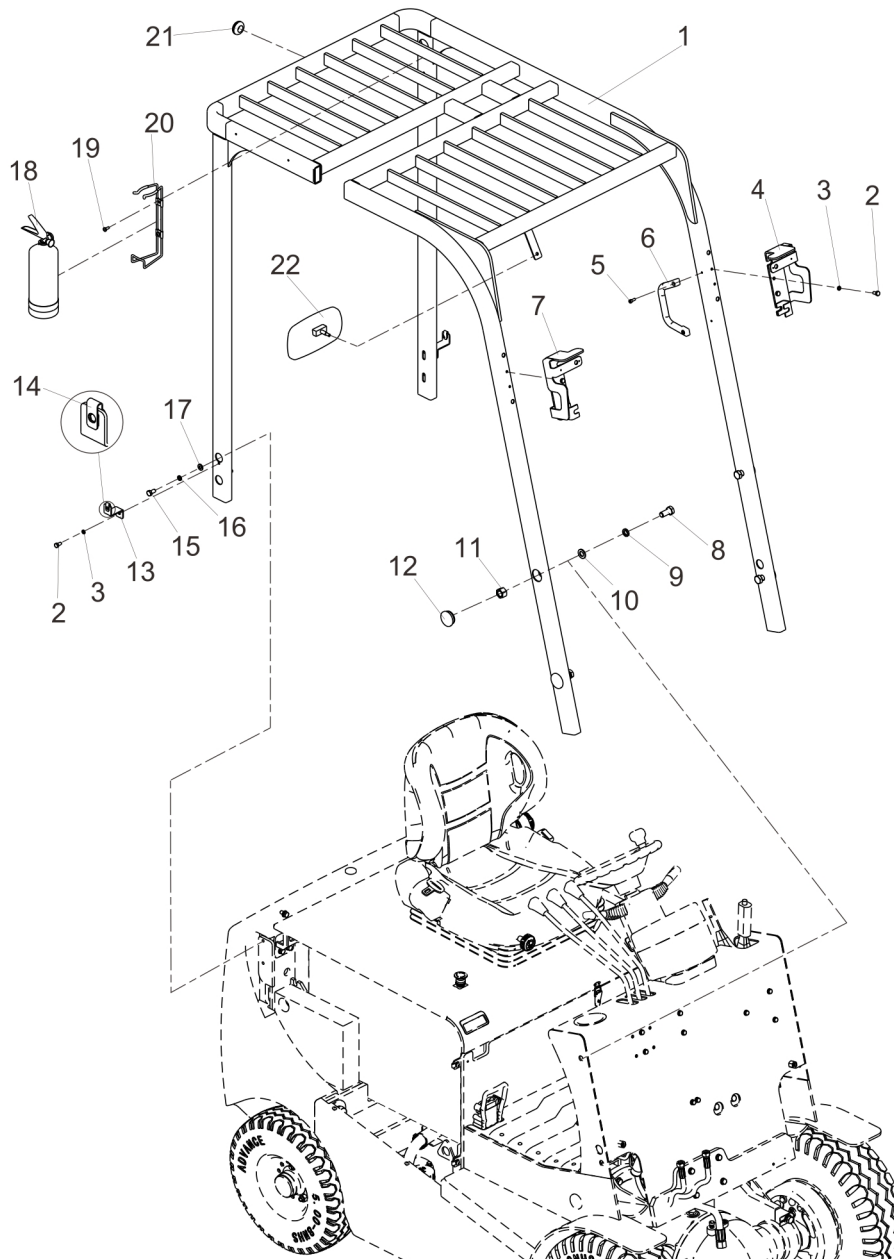
[illegible]

1.5 Seat Assembly
座椅总成



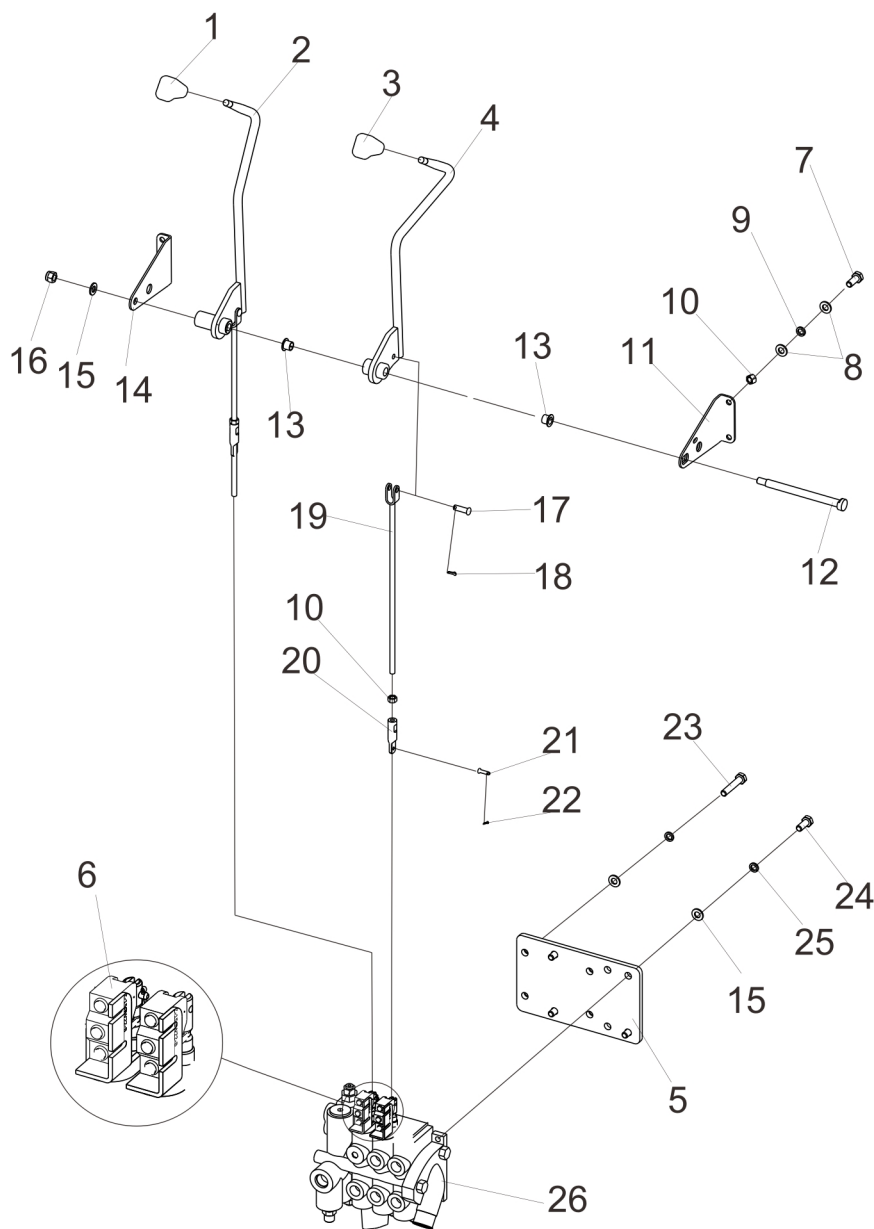
Item 序号	Part No. 代码	Description 名称	Qty 数量	Applied Date 适用日期	Remark 备注
1	54411000003	Seat 座椅	1		30. 25. 0266
2	20104010109	Rotating Plate 转板	2		33. 021. 0017
3	20104010108	Floor 底板	2		33. 021. 0016
4	50106080001	Axle 轴	2		30. 25. 0092
5	30511020002	Pin 销	3		03. 0334
6	56002000004	Hinge 铰链	2		
7	30101080023	Bolt M8×40 螺栓	4		03. 0358
8	30101080003	Bolt M8×20 螺栓	7		03. 0357
9	50407000027	Gas Spring 气弹簧	1		02. QTH. 3625
10	20104010175	Battery Cover 电瓶盖	1		33. 034. 0021
11	30211040013	Screw M4×10 螺钉	4		03. 0230
12	90120000153	Buckle 搭扣	1		19. 0433
13	30301040001	Nut M4 螺母	2		03. 0254
14	30401080001	Flat Washer Φ8 平垫	10		03. 0050
15	30411080002	Spring Washer Φ8 弹垫	14		03. 0012
16	30301080001	Nut M8 螺母	6		03. 0258
17	30101080004	Bolt M8×16 螺栓	4		30. 35. 0299
18	20104010161	Gas Spring Support 气弹簧支座	1		33. 034. 0004
19	54304000002	Shake Hands 拉手	2		03. 0208
20	54316000001	Shock Pad 减震垫	2		02. 01. 2315
21	30101100010	Bolt M10×20 螺栓	4		30. 35. ZC. 117
22	30411100002	Spring Washer Φ10 弹垫	4		03. 0014
23	30401100002	Flat Washer Φ10 平垫	4		03. 00513

1.6 Overhead Guard Assembly
护顶架总成



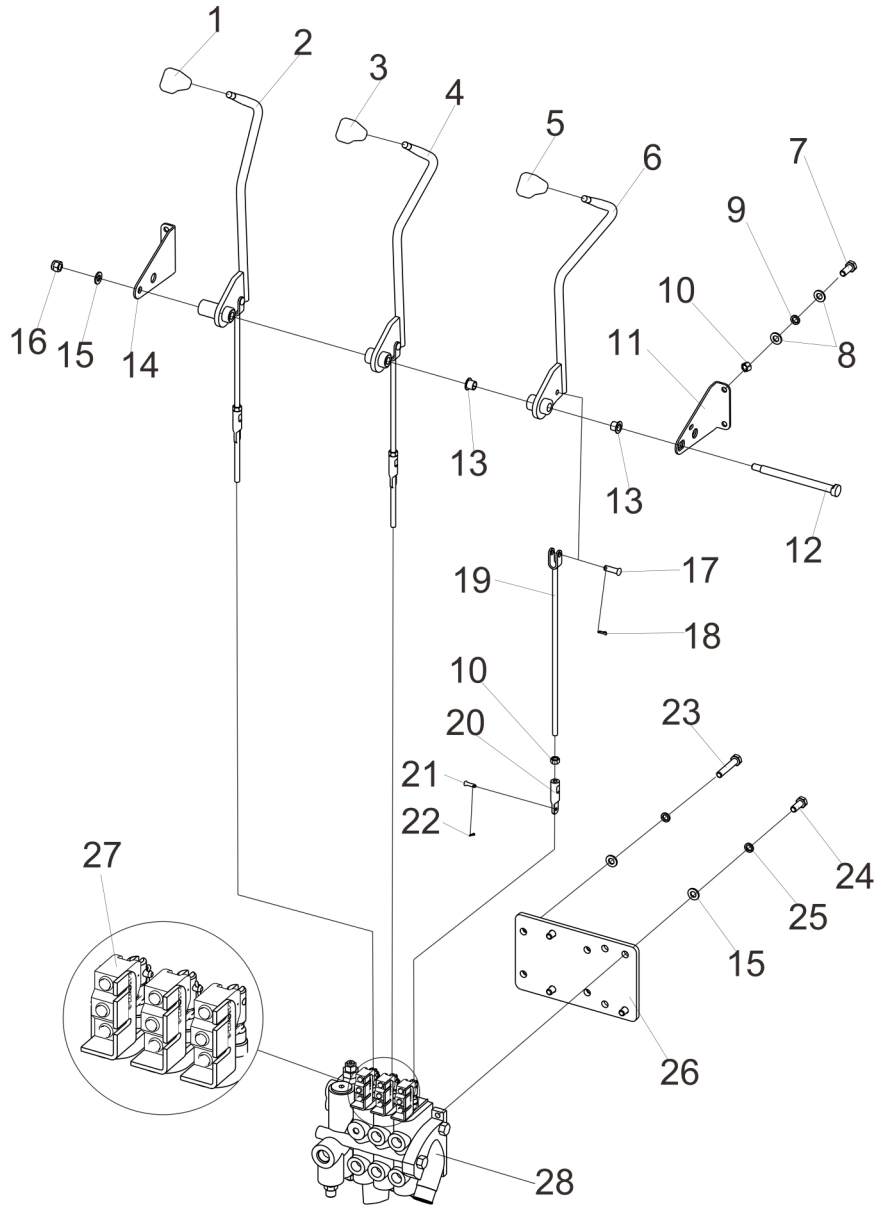
Item 序号	Part No. 代码	Description 名称	Qty 数量	Applied Date 适用日期	Remark 备注
1	20104010176	Overhead Guard 护顶架	1		33.034.0022
2	30101080004	Bolt M8×16 螺栓	6		30.35.0299
3	30411080002	Spring Washer Φ8 弹垫	6		03.0012
4	20104010140	Left Bracket 左防护罩	1		33.013.0002
5	30201060020	Screw M6×16 螺钉	2		03.0147
6	54304000007	Handle 抓手	1		02.01.3006
7	20104010046	Right Bracket 右防护罩	1		33.013.0003
8	30101160006	Bolt M16×35 螺栓	4		03.0639
9	30411160002	Spring Washer Φ16 弹垫	4		03.0017
10	30401160002	Flat Washer Φ16 平垫	4		03.0047
11	30301160002	Nut M16 螺母	4		03.0260
12	54331000018	Rubber Stopper 橡胶塞	6		02.01.2239
13	20204000627	Support 安装支板	2		30.01.6298
14	30351060005	Snap Nut M6 卡扣螺母	2		03.0587
15	30101100010	Bolt M10×20 螺栓	4		30.35.ZC.117
16	30411100002	Spring Washer Φ10 弹垫	4		03.0014
17	30401100002	Flat Washer Φ10 平垫	4		03.00513
18	56009000006	Fire Extinguisher 灭火器	1		02.01.32992
19	30211060008	Screw M6×16 螺钉	2		03.0228
20	56009000003	Support 支架	1		02.01.32982
21	54331000020	Rubber Plug 橡胶堵头	1		02.01.30802
22	54402000002	Rearview 后视镜	1		02.01.9177

2.1 Operating System (Without Side Shift)
操作系统（不带侧移）



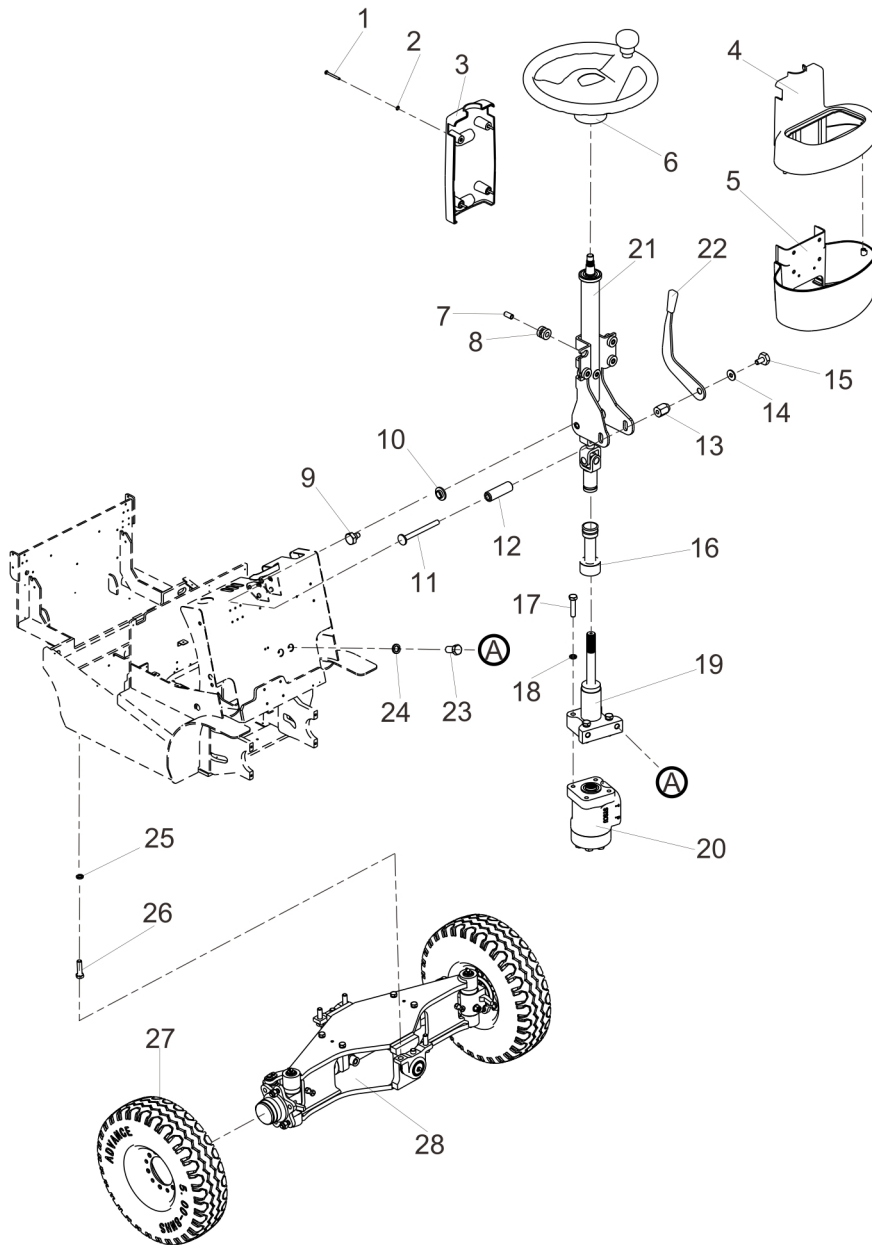
Item 序号	Part No. 代码	Description 名称	Qty 数量	Applied Date 适用日期	Remark 备注
1	54301000002	Lifting Handle 起升手柄	1		02. 01. 3362
2	55504000026	Controller 操纵杆	1		33. 034. 0016
3	54301000006	Tilt Handle 倾斜手柄	1		02. 01. 3364
4	55504000027	Controller 操纵杆	1		33. 034. 0017
5	20204000248	Installation Board 安装板	1		30. 01. 0632
6	70103000002	Switch 微动开关	2		02. 01. 21820
7	30101080009	Bolt M8×30 螺栓	4		03. 0858
8	30401080001	Flat Washer Φ8 平垫	8		03. 0050
9	30411080002	Spring Washer Φ8 弹垫	4		03. 0012
10	30301080001	Nut M8 螺母	6		03. 0258
11	20204000239	Right Bracket 右支架	1		30. 01. 0629
12	55511000003	Axle 轴	1		30. 24. 0037
13	54001000005	Composite Set 复合套	6		03. 04561
14	20204000242	Left Bracket 左支架	1		30. 01. 0630
15	30401100002	Flat Washer Φ10 平垫	9		03. 00513
16	30311100001	Nut M10 螺母	1		03. 0243
17	30511080001	Axle 轴	3		03. 0913
18	30511030003	Pin 3×20 销	3		03. 0557
19	20104010174	Connecting Rod 连杆	3		33. 034. 0020
20	20204000128	Connecting Rod Sleeve 连杆套	3		30. 01. 0212
21	30511048001	Axle 轴	3		03. 0865
22	30511020004	Pin 2×10 销	3		03. 0343
23	30101100003	Screw M10×40 螺钉	4		03. 0741
24	30101100012	Screw M10×25 螺钉	4		30. 35. ZC. 118
25	30411100002	Spring Washer Φ10 弹垫	8		03. 0014
26	40404000017	Multi-Way Valve 多路阀	1		02. DLF. 0325

2.2 Operating System (With Side Shift)
操作系统（带侧移）



Item 序号	Part No. 代码	Description 名称	Qty 数量	Applied Date 适用日期	Remark 备注
1	54301000002	Lifting Handle 起升手柄	1		02. 01. 3362
2	55504000026	Controller 操纵杆	1		33. 034. 0016
3	54301000006	Tilt Handle 倾斜手柄	1		02. 01. 3364
4	55504000027	Controller 操纵杆	1		33. 034. 0017
5	54301000007	Side Shift Handle 侧移手柄	1		02. 01. 3532
6	55504000028	Controller 操纵杆	1		33. 034. 0018
7	30101080009	Bolt M8×30 螺栓	4		03. 0858
8	30401080001	Flat Washer Φ8 平垫	8		03. 0050
9	30411080002	Spring Washer Φ8 弹垫	4		03. 0012
10	30301080001	Nut M8 螺母	7		03. 0258
11	20204000239	Right Bracket 右支架	1		30. 01. 0629
12	55511000003	Axle 轴	1		30. 24. 0037
13	54001000005	Composite Set 复合套	6		03. 04561
14	20204000242	Left Bracket 左支架	1		30. 01. 0630
15	30401100002	Flat Washer Φ10 平垫	9		03. 00513
16	30311100001	Nut M10 螺母	1		03. 0243
17	30511080001	Axle 轴	3		03. 0913
18	30511030003	Pin 3×20 销	3		03. 0557
19	20104010174	Connecting Rod 连杆	3		33. 034. 0020
20	20204000128	Connecting Rod Sleeve 连杆套	3		30. 01. 0212
21	30511048001	Axle 轴	3		03. 0865
22	30511020004	Pin 2×10 销	3		03. 0343
23	30101100003	Screw M10×40 螺钉	4		03. 0741
24	30101100012	Screw M10×25 螺钉	4		30. 35. ZC. 118
25	30411100002	Spring Washer Φ10 弹垫	8		03. 0014
26	20204000248	Installation Board 安装板	1		30. 01. 0632
27	70103000002	Switch 微动开关	3		02. 01. 21820
28	40404000015	Multi-Way Valve 多路阀	1		02. DLF. 0323

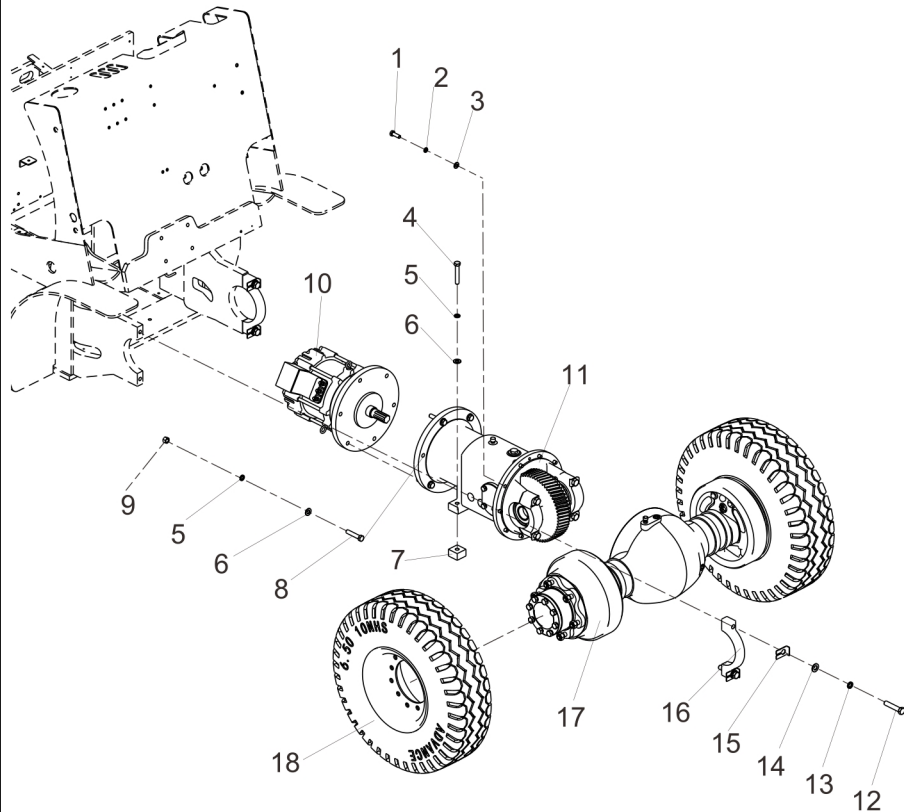
2.3 Steer System 转向系统



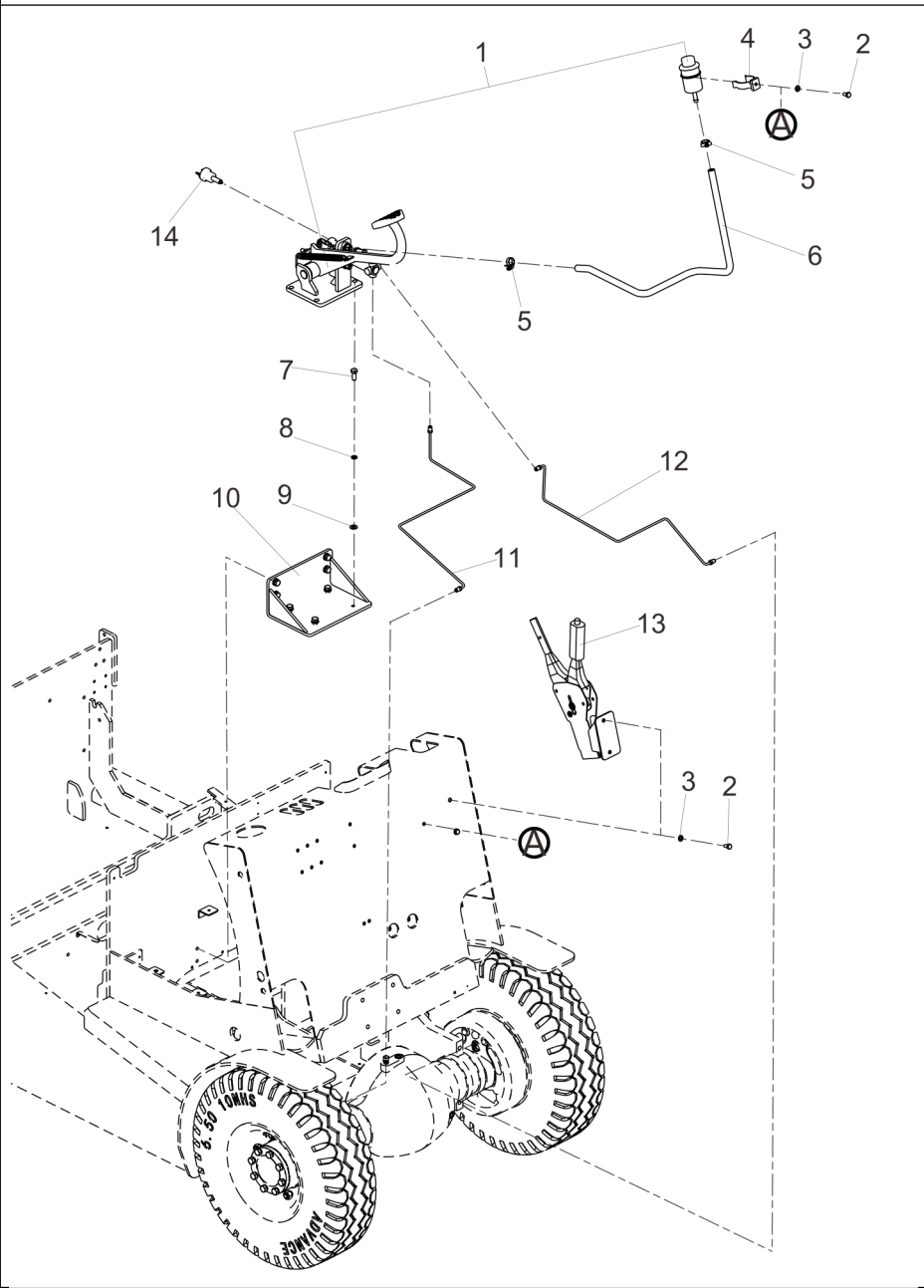
Item 序号	Part No. 代码	Description 名称	Qty 数量	Applied Date 适用日期	Remark 备注
1	30211040016	Screw M4×40 螺钉	4		03.0768
2	30401040005	Flat Washer Φ14 平垫	4		03.1138
3	54302000222	Instrument Cover 仪表后罩	1		02.FGJ.2388
4	54302000220	Instrument Cover 仪表座	1		02.FGJ.2386
5	54302000221	Instrument Cover 仪表下罩	1		02.FGJ.2387
6	55301000002	Steering Wheel 方向盘	1		
7	55304000015	Spacer Sleeve 隔套	4		30.25.0264
8	55304000001	Rubber Column 橡胶柱	4		02.01.9023
9	55304000010	Fixed Bolt 固定螺栓	2		30.25.0107
10	55304000011	Spacer Sleeve 隔套	2		30.25.0108
11	55304000012	Lock Bolt 锁紧螺栓	1		30.25.0109
12	55304000013	Spacer Sleeve 隔套	1		30.25.0167
13	55304000008	Left-Hand Nut 反牙螺母	1		30.25.0105
14	30401080003	Large Washer 大垫圈	1		03.0005
15	55304000009	Left-Hand Bolt 反牙螺栓	1		30.25.0106
16	55304000005	Rubber Sleeve 橡胶套	1		30.25.0276
17	30101100047	Bolt M10×45 螺栓	4		03.03780
18	30411100002	Spring Washer Φ10 弹垫	4		03.0014
19	55304000014	Connecting Shaft 连接轴	1		30.25.0224
20	40432000001	Steering Gear 转向器	1		30.25.0011
21	55303000001	Steering Column 转向管柱	1		30.25.0009
22	55304000016	Adjusting Handle 调节手柄	1		30.25.0273
23	30101120031	Bolt M12×25 螺栓	2		03.0666
24	30411120003	Spring Washer Φ12 弹垫	2		03.0015
25	30411140002	Spring Washer Φ14 弹垫	4		03.0016
26	30101140007	Bolt M14×50 螺栓	4		03.0780
27	51211000003	Tire 轮胎	2		02.01.9037
28	51301000004	Steering Axle 转向桥	1		30.25.0243

2.4 Drive System

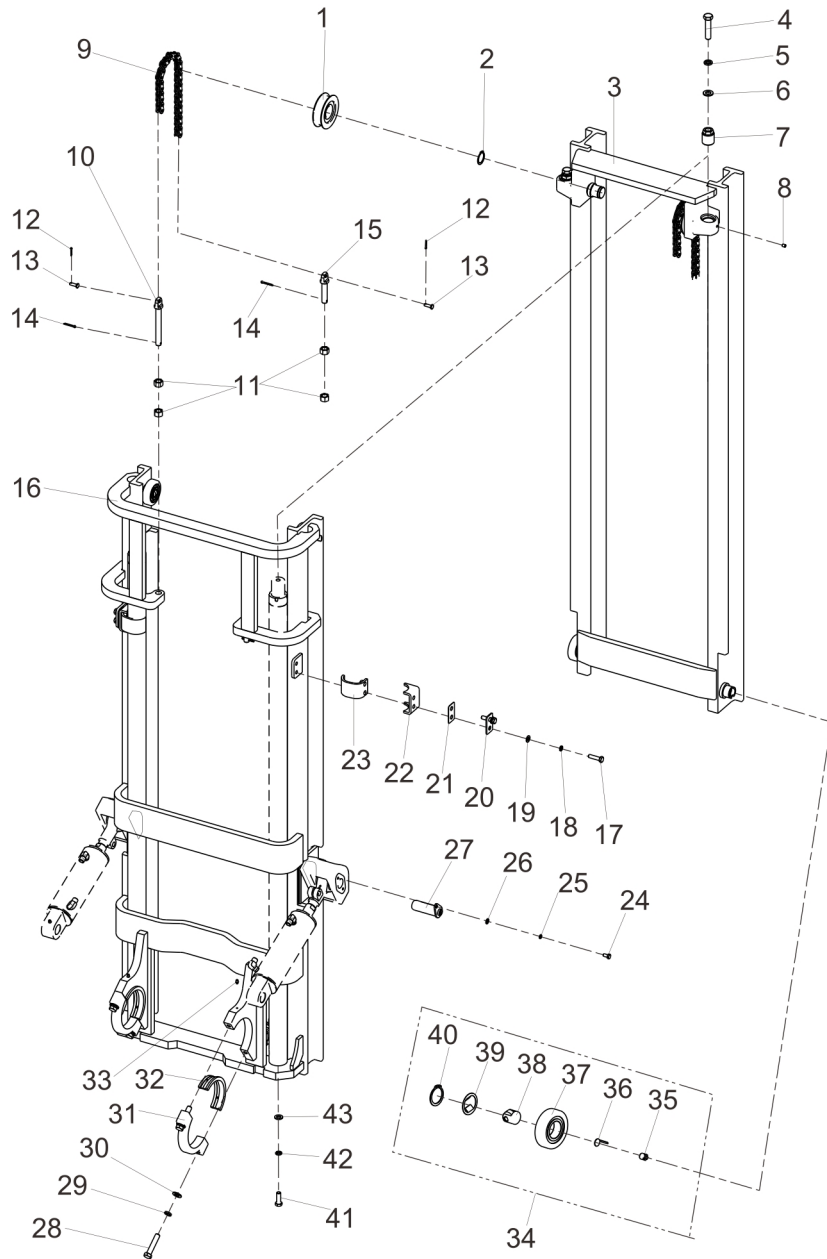
驱动系统

[illegible]

2.5 Brakes System

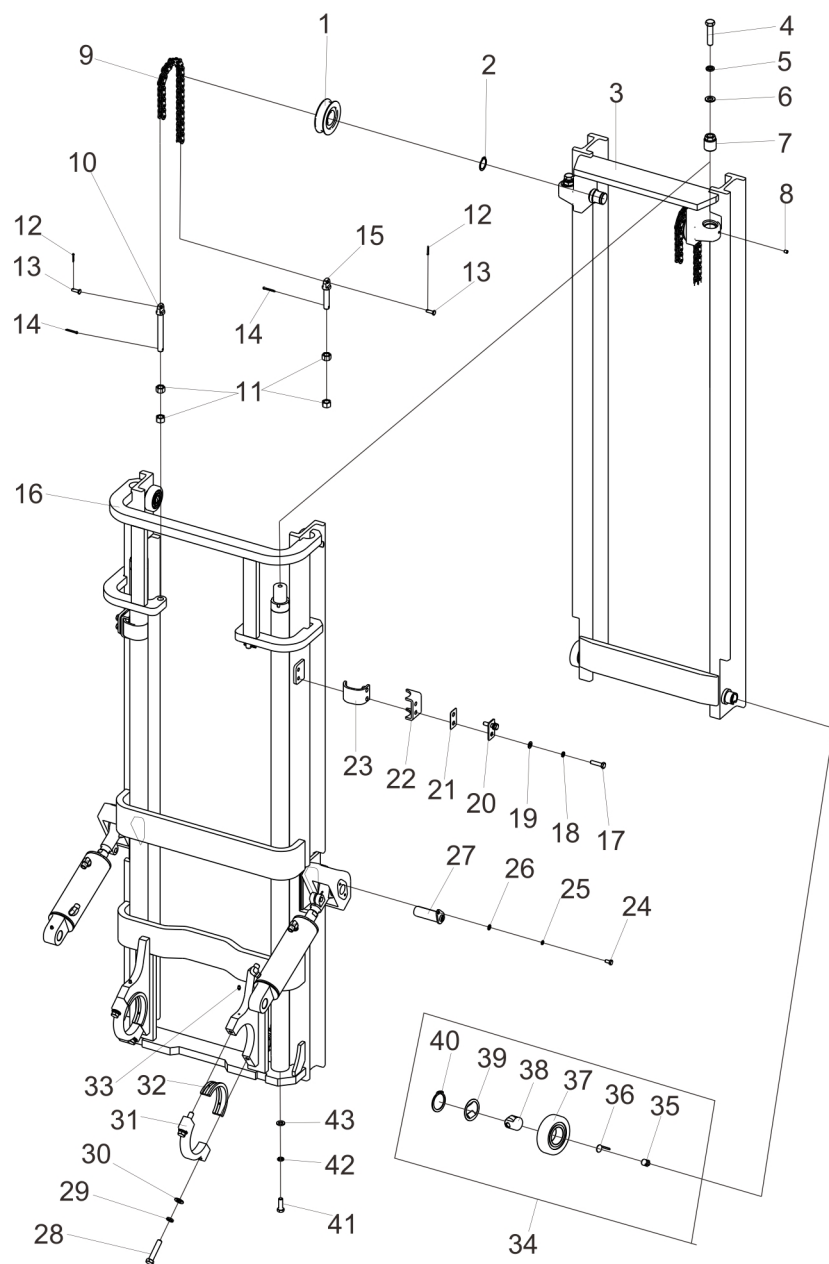
[illegible]

3.1 Two Stage Gantry Assembly
两级门架总成

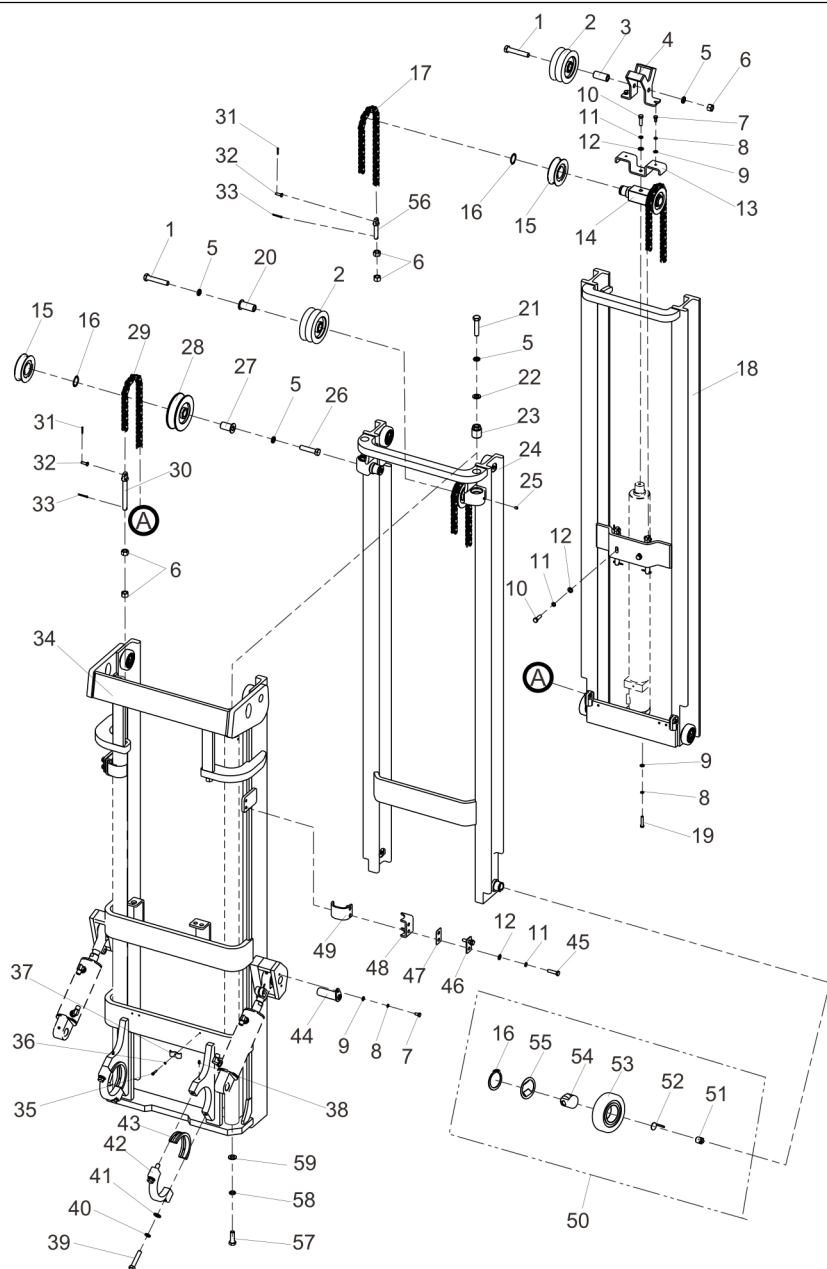


Item 序号	Part No. 代码	Description 名称	Qty 数量	Applied Date 适用日期	Remark 备注
1	51106000003	Chain Wheel $\Phi 90$ 链轮	2		30. 05. 180
2	30421350001	Ring 35 挡圈	2		03. 0583
3	20104010246	In Mast (2500) 内门架 (2500)	1		
3	20104010178	In Mast (3000) 内门架 (3000)	1		33. 034. 0025
4	30101160035	Bolt M16 $\times$ 1.5 $\times$ 70 螺栓	2		03. 0941
5	30411160002	Spring Washer $\Phi 16$ 弹垫	2		03. 0017
6	30401160002	Flat Washer $\Phi 16$ 平垫	2		03. 0047
7	20202000432	Plug Screw M36 调整螺塞	2		30. 33. 0051
8	30221080008	Screw M8 $\times$ 10 紧定螺钉	2		03. 02701
9	53101000073	Chain 链条	2		
9	53101000072	Chain 链条	2		
10	53104000005	Bar 拉杆	2		30. 05. 158
11	30301160002	Nut M16 螺母	8		03. 0260
12	30511030003	Pin 3 $\times$ 20 开口销	4		03. 0557
13	50101075002	Axle $\Phi 7.5$ 轴	4		03. 03202
14	30511040001	Pin 4 $\times$ 30 开口销	4		03. 0339
15	53104000001	Bar 拉杆	2		30. 01. 0214
16	20104010245	Outer Door Frame (2500) 外门架 (2500)	1		
16	20104010177	Outer Door Frame (3000) 外门架 (3000)	1		33. 034. 0023
17	30101100003	Bolt M10 $\times$ 40 螺栓	4		03. 0741
18	30411100002	Spring Washer $\Phi 10$ 弹垫	4		03. 0014
19	30401100002	Flat Washer $\Phi 10$ 平垫	4		03. 00513
20	50302005003	Shim 2 垫片 2	2		30. 01. 0649
21	50302005002	Shim 1 垫片 1	2		30. 01. 0648
22	20204000288	Bending Plate 弯板	2		30. 01. 0650
23	54102000001	Hoop 抱箍	2		30. 01. 0647
24	30101080004	Bolt M8 $\times$ 16 螺栓	2		30. 35. 0299
25	30411080002	Spring Washer $\Phi 8$ 弹垫	2		03. 0012

3.1 Two Stage Gantry Assembly 两级门架总成

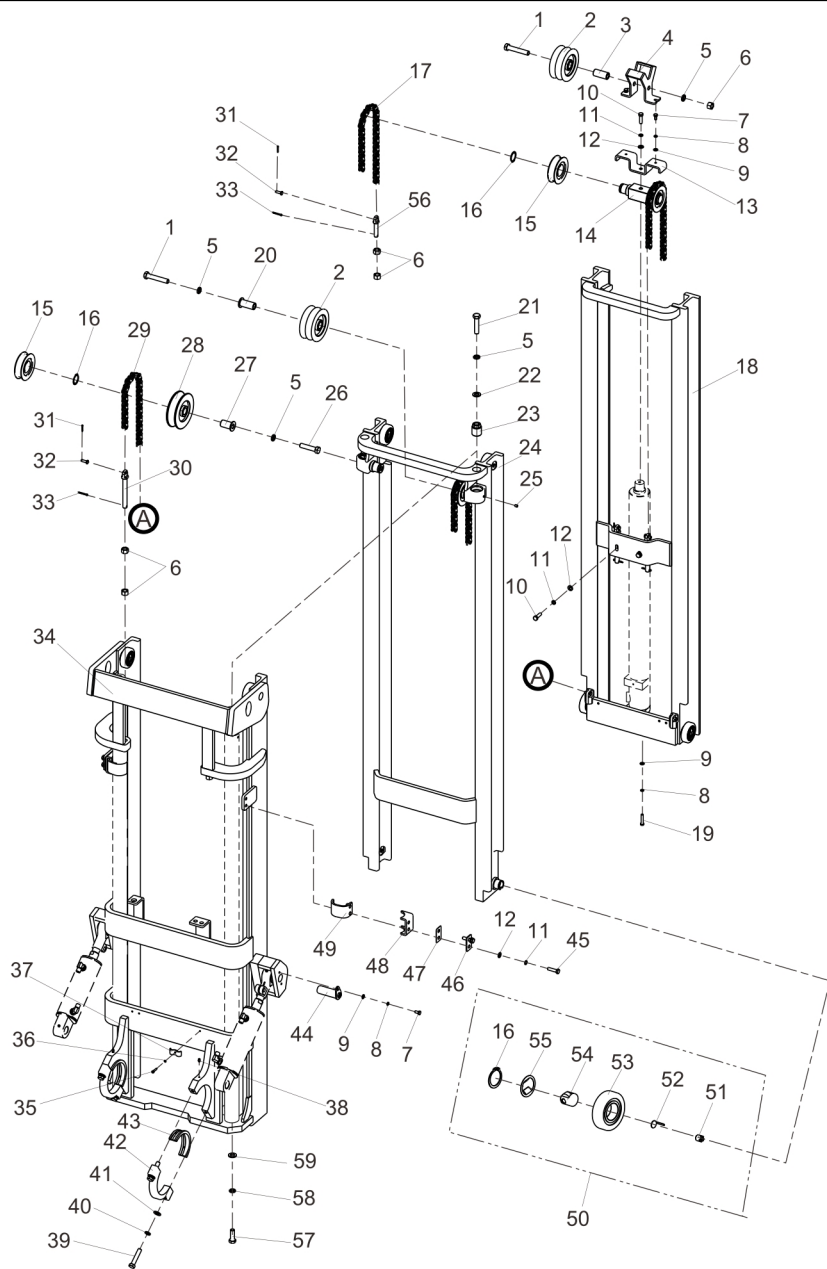
[illegible]

3.2 Third Level Fully Free Gantry Assembly (With Side Shift) 三级全自由门架总成（带侧移）



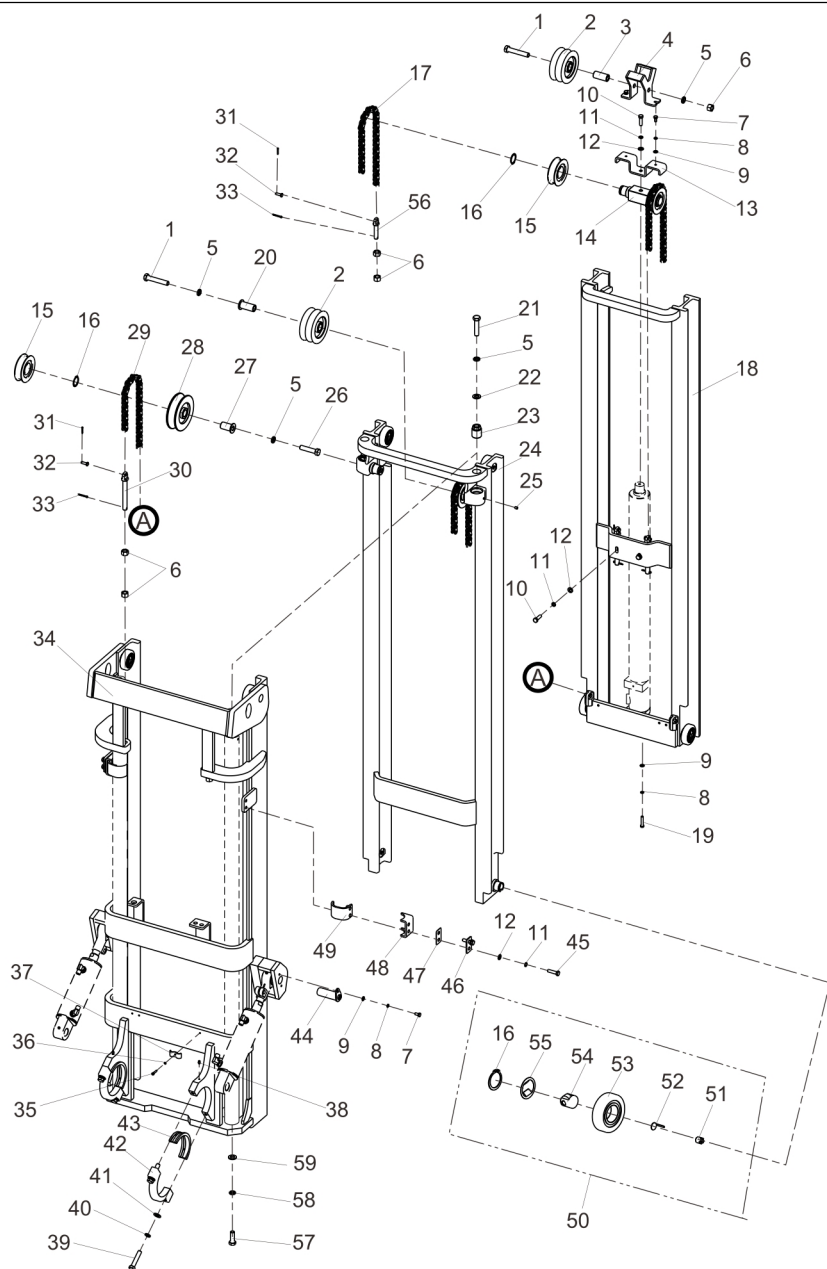
Item 序号	Part No. 代码	Description 名称	Qty 数量	Applied Date 适用日期	Remark 备注
1	30101160021	Bolt M16×90 螺栓	2		03.0391
2	51107000006	Oil Pipe Pulley 油管滑轮	2		30.05.181
3	20204001142	Spacer Sleeve 隔套	1		
4	20104010254	Support 轮架	1		
5	30411160002	Spring Washer Φ16 弹垫	5		03.0017
6	30301160002	Nut M16 螺母	9		03.0260
7	30101080004	Bolt M8×16 螺栓	4		30.35.0299
8	30411080002	Spring Washer Φ8 弹垫	5		03.0012
9	30401080001	Flat Washer Φ8 平垫	5		03.0050
10	30101100004	Bolt M10×35 螺栓	3		30.35.0300
11	30411100002	Spring Washer Φ10 弹垫	7		03.0014
12	30401100002	Flat Washer Φ10 平垫	7		03.00513
13	20204001007	Floor 底板	1		30.25.0231
14	20204000636	Top Seat 顶座	1		30.01.6417
15	51106000003	Chain Wheel Φ90 链轮	4		30.05.180
16	30421350001	Ring 35 挡圈	12		03.0583
17	53101000074	Chain B (4500) 链条 B (4500)	2		
17	53101000046	Chain B (4800) 链条 B (4800)	2		02.LT.3488
17	53101000076	Chain B (5500) 链条 B (5500)	2		
18	20104010183	In Mast (4500) 内门架 (4500)	1		33.034.0030
18	20104010249	In Mast (4800) 内门架 (4800)	1		
18	20104010252	In Mast (5500) 内门架 (5500)	1		
19	30101080023	Bolt M8×40 螺栓	1		03.0358
20	50301165003	Shaft Sleeve Φ26×Φ16.5 轴套	1		30.05.001
21	30101160035	Bolt M16×1.5×70 螺栓	2		03.0941
22	30401160002	Flat Washer Φ16 平垫	2		03.0047
23	20202000432	Plug Screw M36 调整螺塞	2		30.33.0051
24	20104010182	Middle Door Frame (4500) 中门架 (4500)	1		33.034.0029

3.2 Third Level Fully Free Gantry Assembly (With Side Shift) 三级全自由门架总成（带侧移）

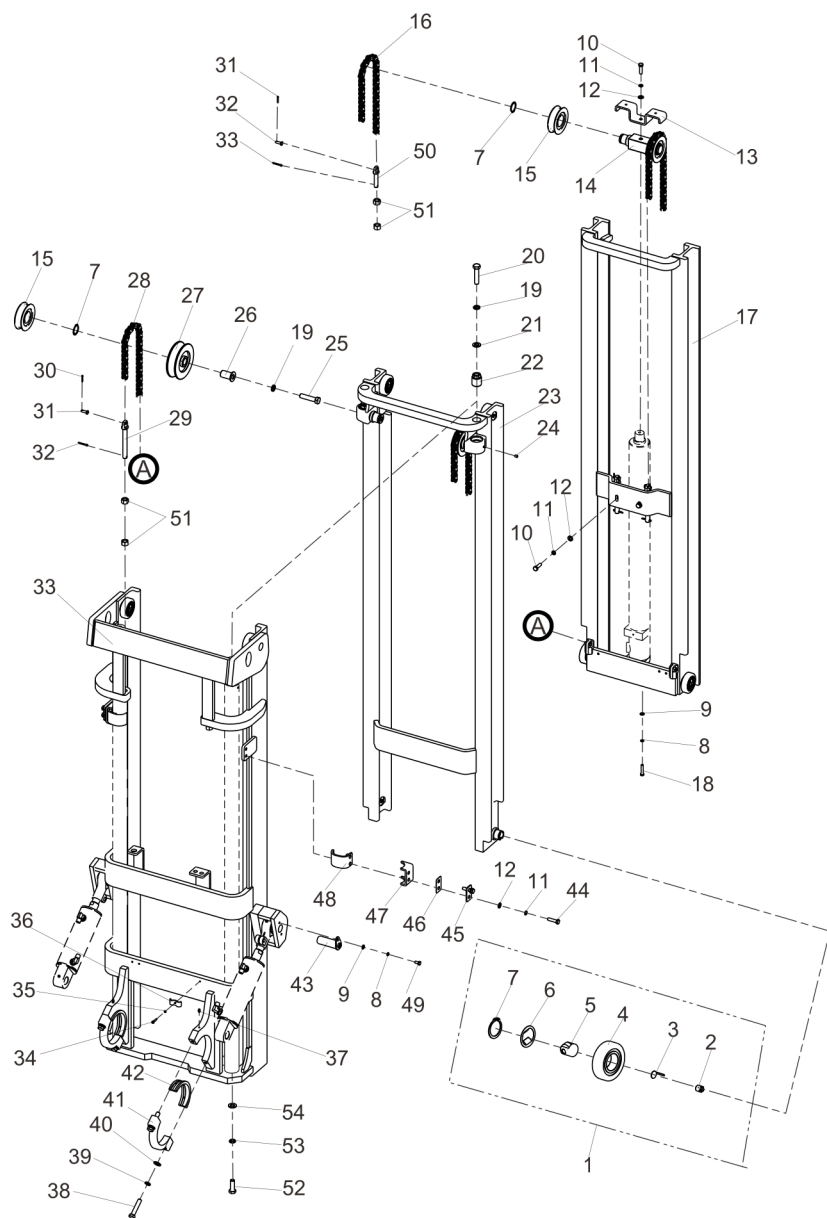


Item 序号	Part No. 代码	Description 名称	Qty 数量	Applied Date 适用日期	Remark 备注
24	20104010248	Middle Door Frame (4800) 中门架 (4800)	1		
24	20104010251	Middle Door Frame (5500) 中门架 (5500)	1		
25	30221080005	Screw M8×12 紧定螺钉	2		03.0278
26	30101160024	Bolt M16×70 螺栓	1		03.0395
27	50301165005	Shaft Sleeve Φ16.5×Φ26 轴套	1		30.05.218
28	51107000008	Oil Pipe Pulley 油管滑轮	1		30.05.216
29	53101000075	Chain A (4500) 链条 A (4500)	2		
29	53101000029	Chain A (4800) 链条 A (4800)	2		02.LT.31720
29	53101000077	Chain A (5500) 链条 A (5500)	2		
30	53104000005	Bar 拉杆	4		30.05.158
31	30511025002	Pin 2.5×25 开口销	8		03.0337
32	50101075002	Axle Φ7.5 轴	8		03.03202
33	30511040005	Pin 4×63 开口销	6		30.35.ZC.233
34	20104010181	Outer Door Frame (4500) 外门架 (4500)	1		33.034.0028
34	20104010247	Outer Door Frame (4800) 外门架 (4800)	1		
34	20104010250	Outer Door Frame (5500) 外门架 (5500)	1		
35	30201050017	Screw M5×25 螺钉	1		03.01410
36	30411050001	Spring Washer Φ5 弹垫	1		03.00132
37	20203000009	Pipe Clamp 管夹	1		30.03.005
38	30821006001	Oil Cup M6 油杯	2		03.0505
39	30101140028	Bolt M14×70 螺栓	4		03.0910
40	30411140002	Spring Washer Φ14 弹垫	4		03.0016
41	30401140003	Flat Washer Φ14 平垫	4		03.0045
42	20204000131	Hoop 前桥抱箍	2		30.01.0217
43	54331000028	Bearing Bush 轴瓦	2		02.01.0328
44	50105300007	Pin Shaft Φ30 销轴	2		33.019.0021
45	30101100003	Bolt M10×40 螺栓	4		03.0741
46	50302005003	Shim 2 垫片 2	2		30.01.0649

3.2	Third Level Fully Free Gantry Assembly (With Side Shift) 三级全自由门架总成 (带侧移)
-----	---

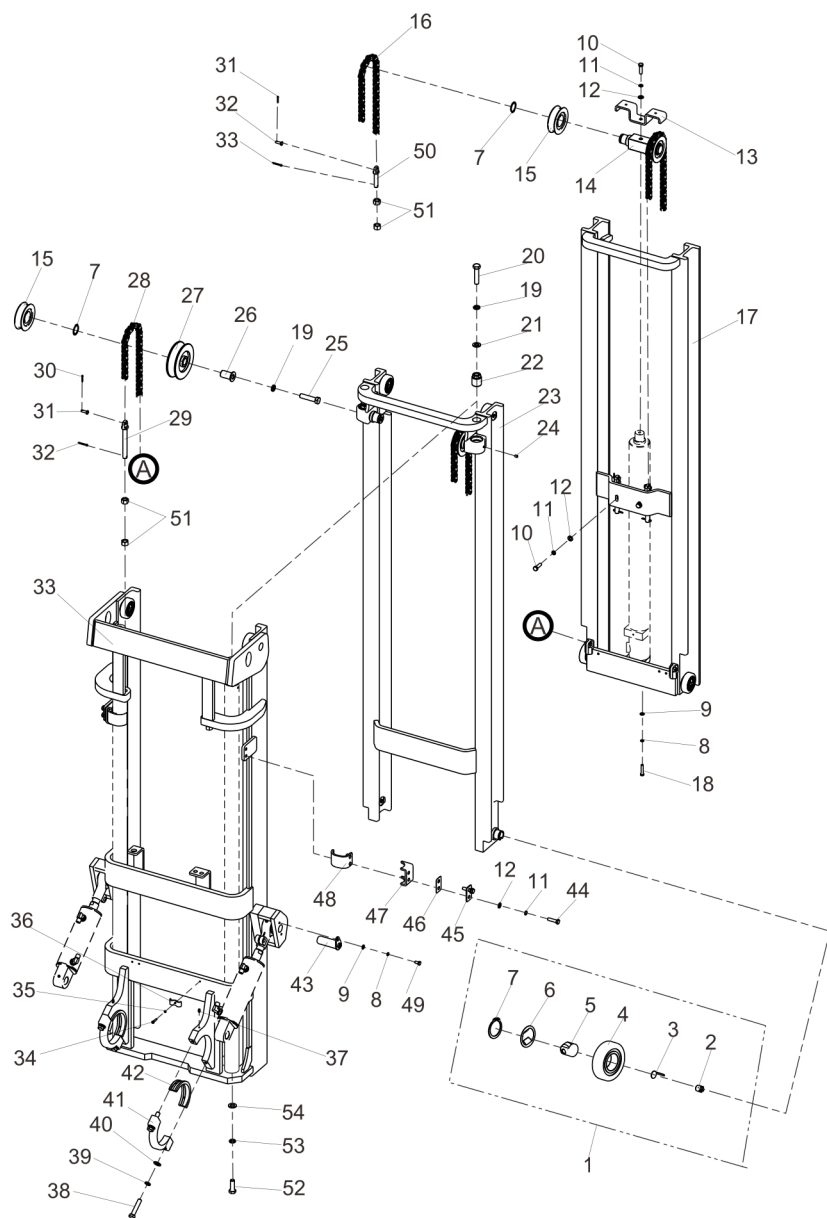
[illegible]

3.3 Third Level Fully Free Gantry Assembly (Without Side Shift) 三级全自由门架总成（不带侧移）



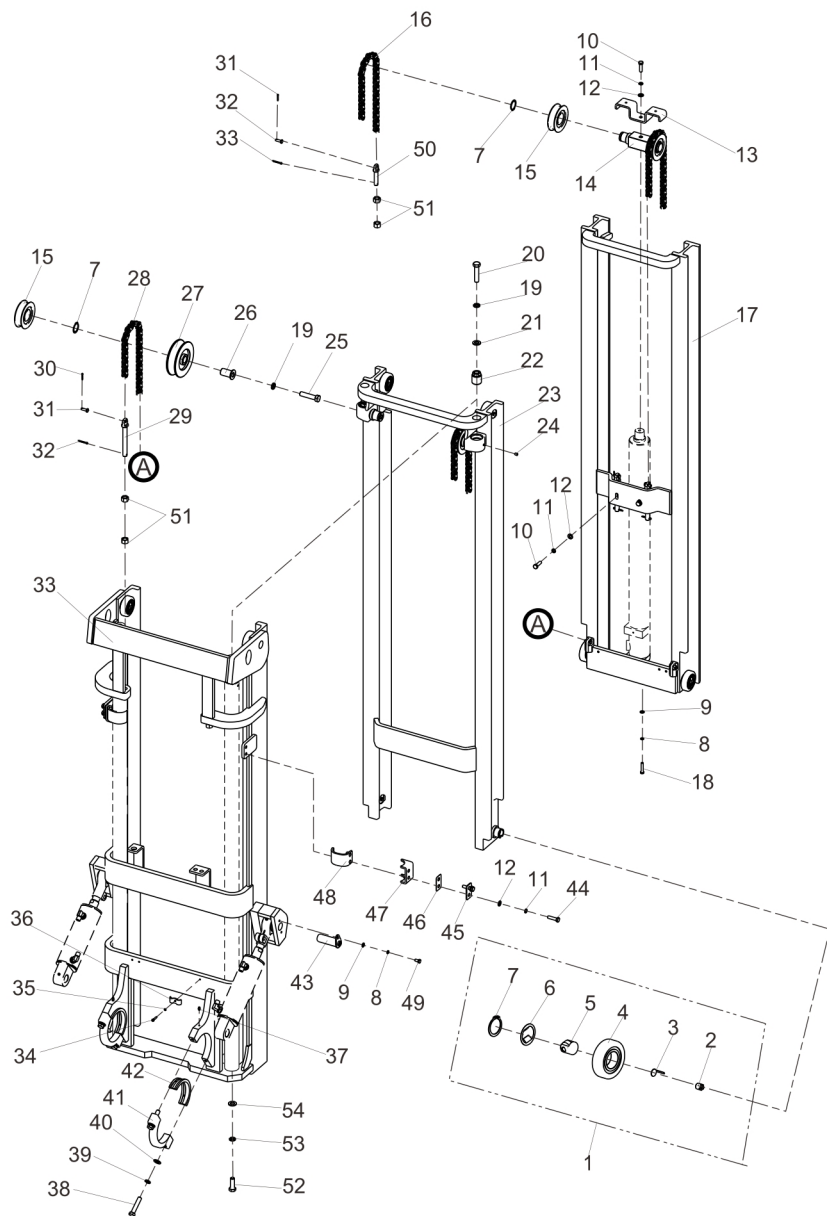
Item 序号	Part No. 代码	Description 名称	Qty 数量	Applied Date 适用日期	Remark 备注
1	51101000001	Roller Assembly 滚轮总成	8		
2	51103000022	Screw 调节螺丝	8		02. 01. 30683
3	51103000023	Loose Proof Sheet 防松片	8		
4	51102000001	Roller 滚轮	8		02. 01. 3071
5	51103000024	Support 支架	8		02. 01. 30681
6	51103000025	Dust Sheet 防尘片	8		02. 01. 30682
7	30421350001	Retainer Ring 轴用挡圈	12		03. 0583
8	30411080002	Spring Washer Φ8 弹垫	3		03. 0012
9	30401080001	Flat Washer Φ8 平垫	3		03. 0050
10	30101100004	Bolt M10×35 螺栓	3		30. 35. 0300
11	30411100002	Spring Washer Φ10 弹垫	7		03. 0014
12	30401100002	Flat Washer Φ10 平垫	7		03. 00513
13	20204001007	Floor 底板	1		30. 25. 0231
14	20204000636	Top Seat 顶座	1		30. 01. 6417
15	51106000003	Chain Wheel Φ90 链轮	4		30. 05. 180
16	53101000074	Chain B (4500) 链条 B (4500)	2		
16	53101000046	Chain B (4800) 链条 B (4800)	2		02. LT. 3488
16	53101000076	Chain B (5500) 链条 B (5500)	2		
17	20104010183	In Mast (4500) 内门架 (4500)	1		33. 034. 0030
17	20104010249	In Mast (4800) 内门架 (4800)	1		
17	20104010252	In Mast (5500) 内门架 (5500)	1		
18	30101080023	Bolt M8×40 螺栓	1		03. 0358
19	30411160002	Spring Washer Φ16 弹垫	2		03. 0017
20	30101160035	Bolt M16×1.5×70 螺栓	2		03. 0941
21	30401160002	Flat Washer Φ16 平垫	2		03. 0047
22	20202000432	Plug Screw M36 调整螺塞	2		30. 33. 0051
23	20104010182	Middle Door Frame (4500) 中门架 (4500)	1		33. 034. 0029
23	20104010248	Middle Door Frame (4800) 中门架 (4800)	1		

3.3 Third Level Fully Free Gantry Assembly (Without Side Shift) 三级全自由门架总成（不带侧移）

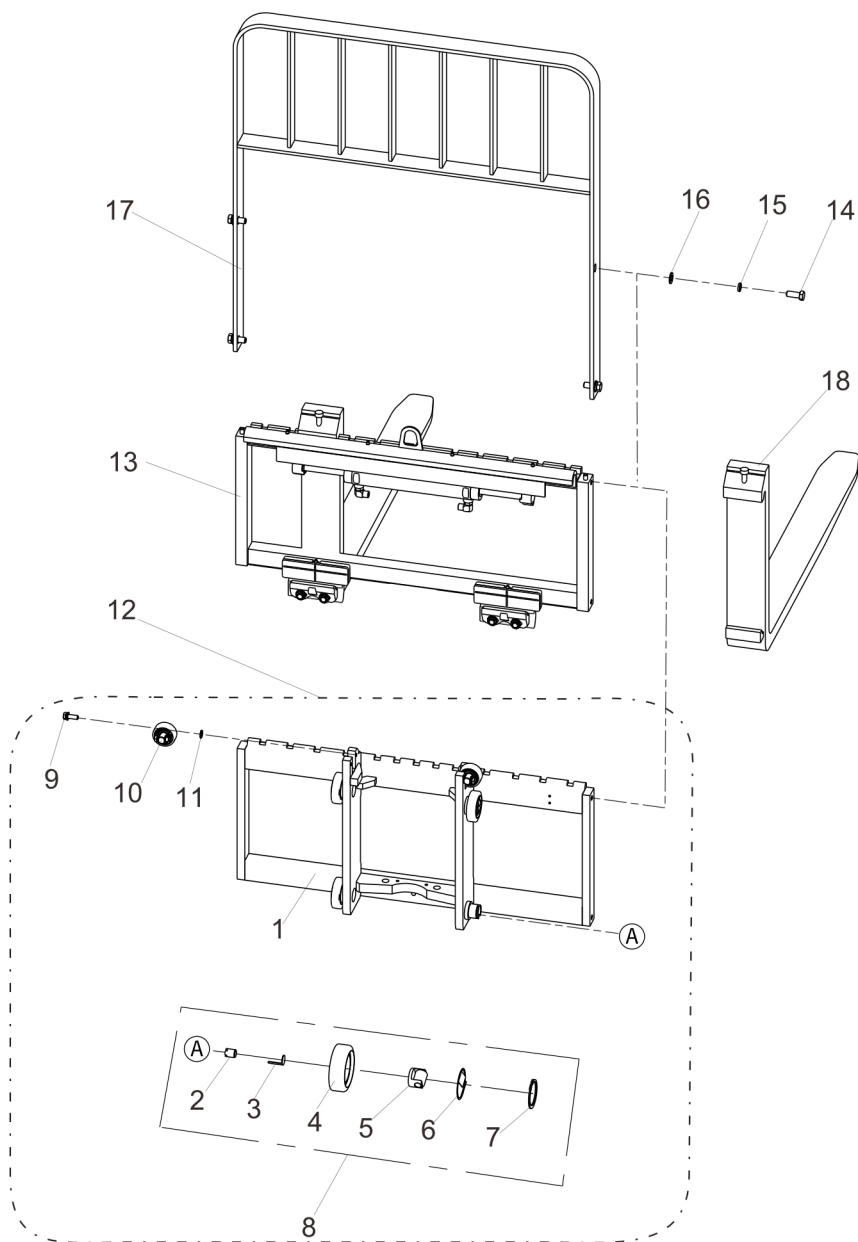


Item 序号	Part No. 代码	Description 名称	Qty 数量	Applied Date 适用日期	Remark 备注
23	20104010251	Middle Door Frame (5500) 中门架 (5500)	1		
24	30221080005	Screw M8×12 紧定螺钉	2		03.0278
25	30101160024	Bolt M16×70 螺栓	1		03.0395
26	50301165005	Shaft Sleeve Φ16.5×Φ26 轴套	1		30.05.218
27	51107000008	Oil Pipe Pulley 油管滑轮	1		30.05.216
28	53101000075	Chain A (4500) 链条 A (4500)	2		
28	53101000029	Chain A (4800) 链条 A (4800)	2		02.LT.31720
28	53101000077	Chain A (5500) 链条 A (5500)	2		
29	53104000005	Bar 拉杆	4		30.05.158
30	30511025002	Pin 2.5×25 开口销	8		03.0337
31	50101075002	Axle Φ7.5 轴	8		03.03202
32	30511040005	Pin 4×63 开口销	6		30.35.ZC.233
33	20104010181	Outer Door Frame (4500) 外门架 (4500)	1		33.034.0028
33	20104010247	Outer Door Frame (4800) 外门架 (4800)	1		
33	20104010250	Outer Door Frame (5500) 外门架 (5500)	1		
34	30201050017	Screw M5×25 螺钉	1		03.01410
35	30411050001	Spring Washer Φ5 弹垫	1		03.00132
36	20203000009	Pipe Clamp 管夹	1		30.03.005
37	30821006001	Oil Cup M6 油杯	2		03.0505
38	30101140006	Bolt M14×70 螺栓	4		03.0919
39	30411140002	Spring Washer Φ14 弹垫	4		03.0016
40	30401140003	Flat Washer Φ14 平垫	4		03.0045
41	20204000131	Hoop 前桥抱箍	2		30.01.0217
42	54331000028	Bearing Bush 轴瓦	2		02.01.0328
43	50105300007	Pin Shaft Φ30 销轴	2		33.019.0021
44	30101100003	Bolt M10×40 螺栓	4		03.0741
45	50302005003	Shim 2 垫片 2	2		30.01.0649
46	50302005002	Shim 1 垫片 1	2		30.01.0648

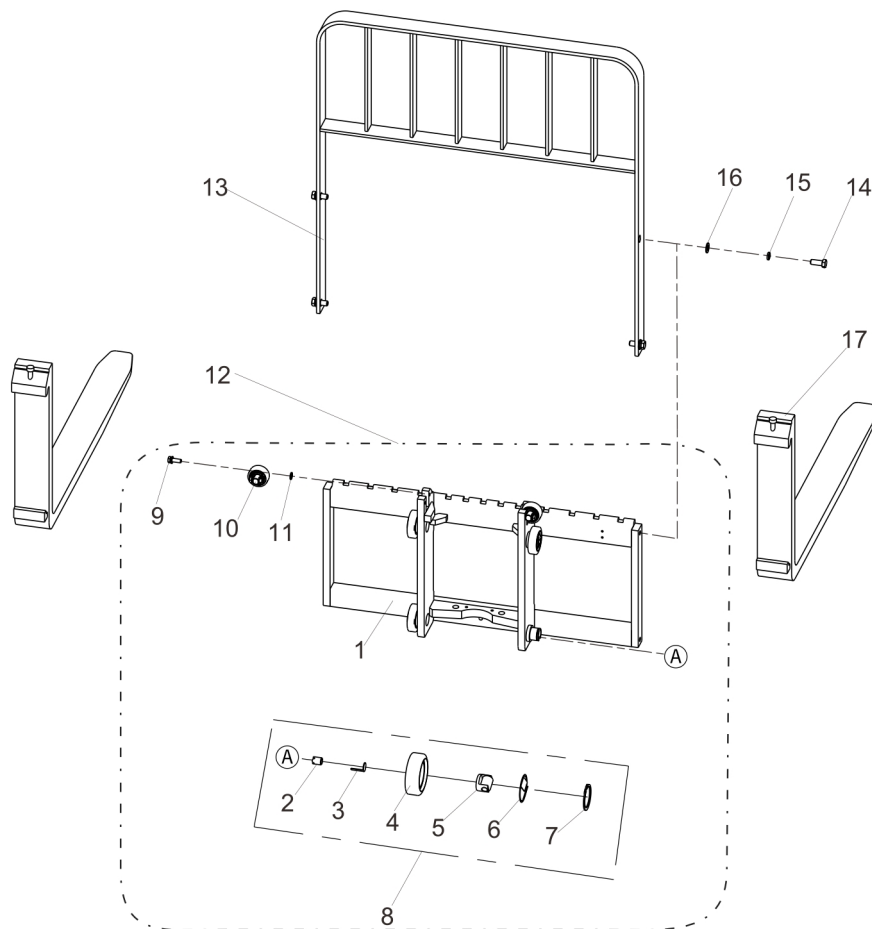
3.3	Third Level Fully Free Gantry Assembly (Without Side Shift) 三级全自由门架总成 (不带侧移)
-----	---

[illegible]

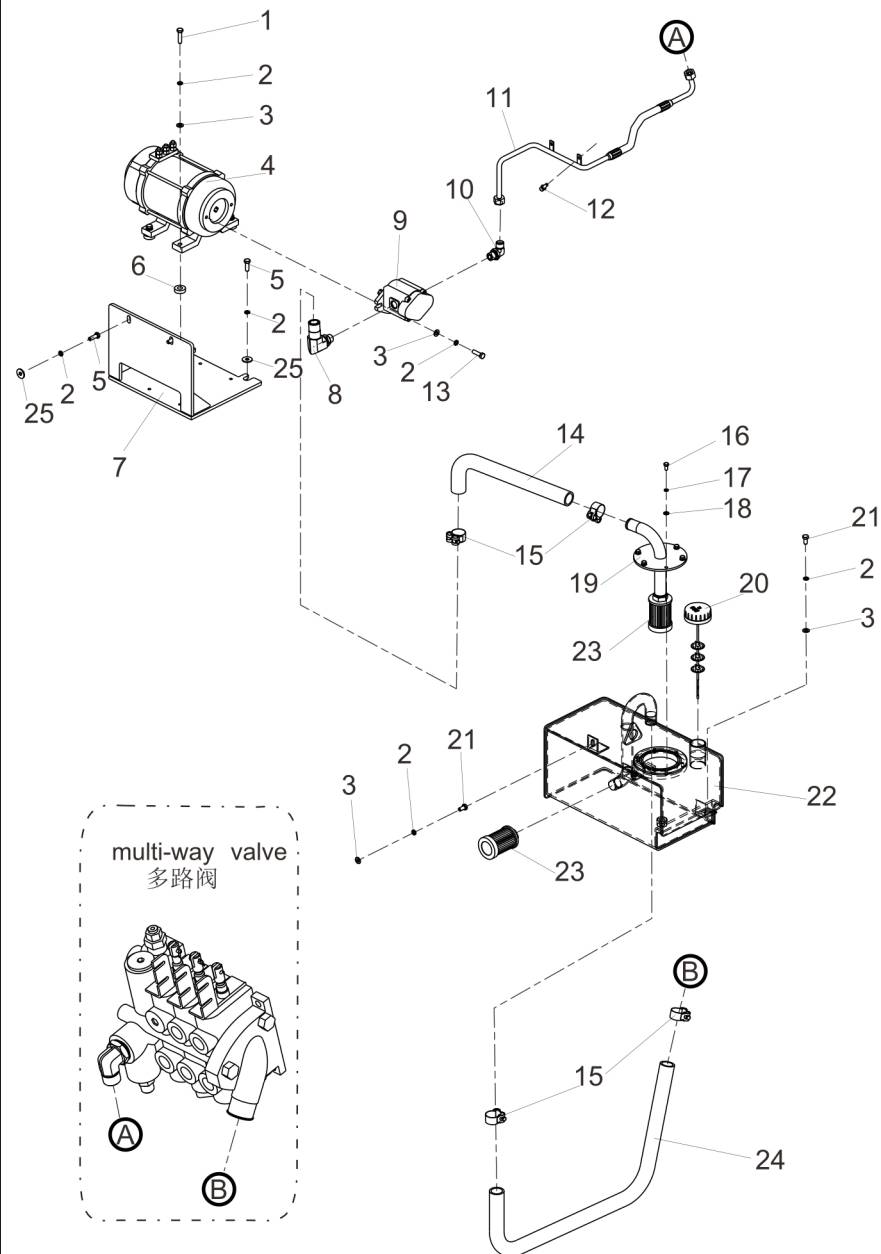
3.4	Tray Rack Assembly (With Side Shift) 托盘架总成（帶側移）
-----	--

[illegible]

3.5	Tray Rack Assembly (Without Side Shift) 托盘架总成（不带侧移）
-----	--

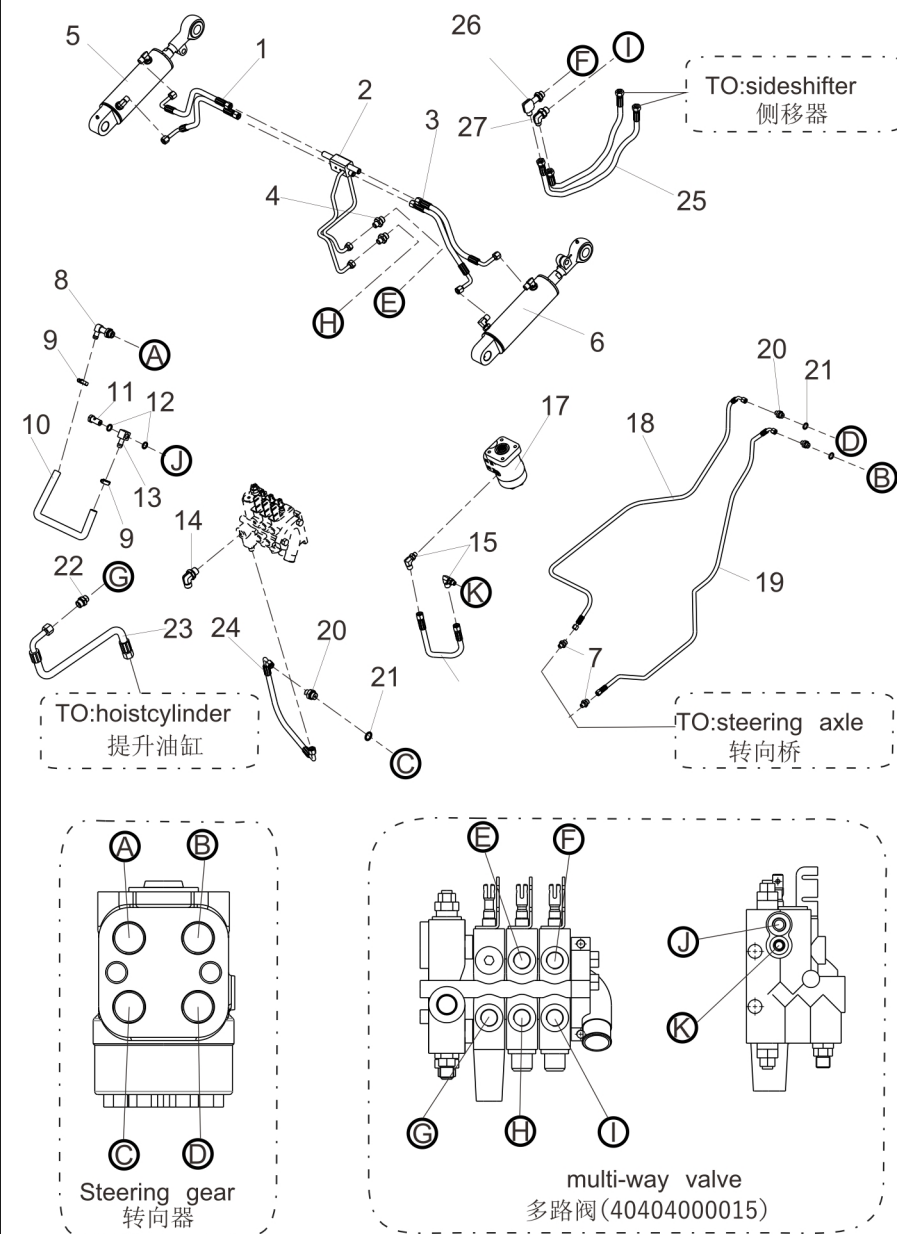
[illegible]

4.1 Body Hydraulic System 车身液压系统



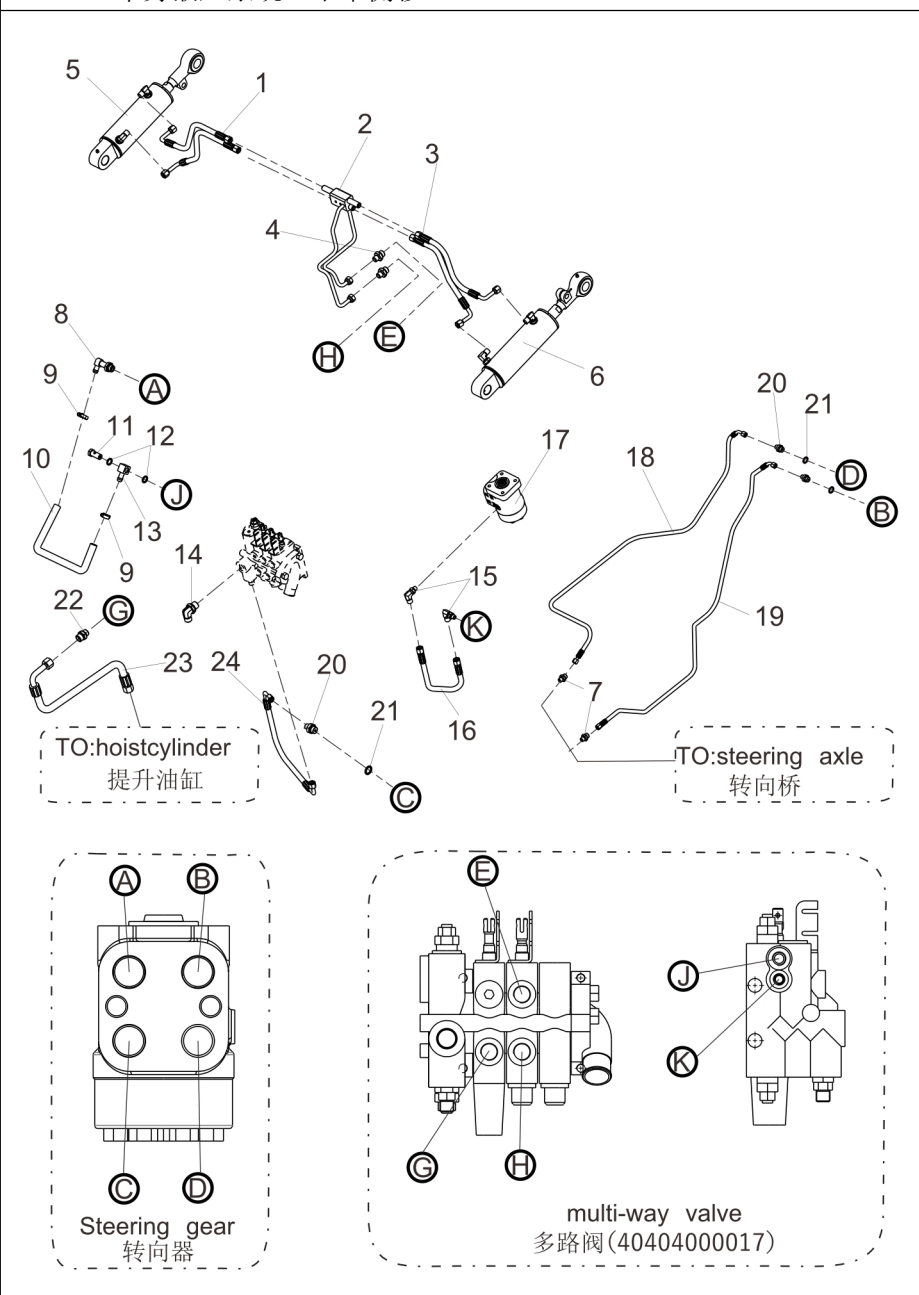
Item 序号	Part No. 代码	Description 名称	Qty 数量	Applied Date 适用日期	Remark 备注
1	30101100003	Bolt M10×40 螺栓	4		03.0741
2	30411100002	Spring Washer Φ10 弹垫	14		03.0014
3	30401100002	Flat Washer Φ10 平垫	10		03.00513
4	70401000018	Ac Motor 交流电机	1		02.DJ.00827
5	30101100061	Bolt M10×30 螺栓	4		
6	54316000025	Heel 垫块	4		30.25.0119
7	20204000218	Installation Board 安装板	1		30.01.0622
8	40206000004	Joint 接头	1		02.YYL.2384
9	40402000016	Gear Pump 齿轮泵	1		02.01.00961
10	40202220004	Joint 接头	1		02.01.31040
11	40122000065	Steel Pipe 钢管	1		02.YYL.2371
12	30201080022	Screw M8×20 螺钉	2		03.0817
13	30101100004	Bolt M10×35 螺栓	2		30.35.0300
14	40111340006	Oil Inlet Pipe 进油管	1		02.YYL.2385
15	54013000004	Hoop 强力卡箍	4		03.05384
16	30101080004	Bolt M8×16 螺栓	6		30.35.0299
17	30411080002	Spring Washer Φ8 弹垫	6		03.0012
18	30401080001	Flat Washer Φ8 平垫	6		03.0050
19	20104010007	Cover Plate 盖板	1		30.01.0216
20	40410000032	Fuel Tank Cap 油箱盖	1		
21	30101100010	Bolt M10×20 螺栓	4		30.35.ZC.117
22	40408000154	Tank 油箱	1		
23	40412000007	Filter 过滤器	2		02.01.32978
24	40111340011	Return Pipe 回油管	1		
25	30401100005	Large Washer Φ10 大垫圈	4		03.0915

4.2 Body Hydraulic System (With Side Shift)
车身液压系统（带侧移）



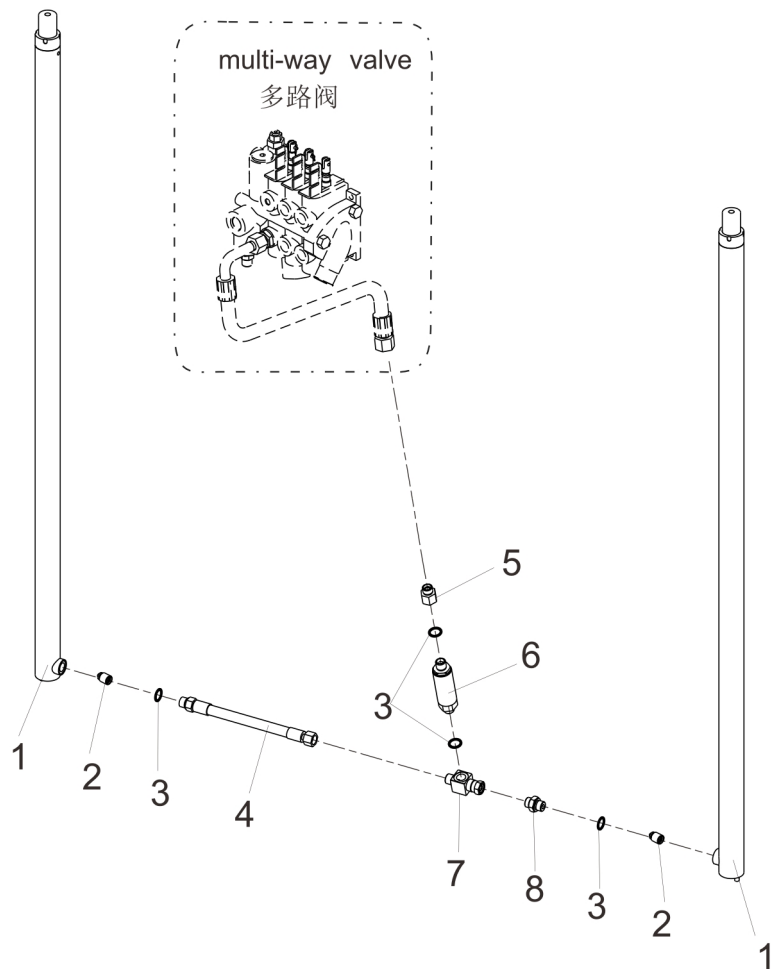
Item 序号	Part No. 代码	Description 名称	Qty 数量	Applied Date 适用日期	Remark 备注
1	40101160054	Rubber Hose 高压胶管	2		02. YYL. 2357
2	40122000058	Inclined Steel Pipe 倾斜钢管	1		02. YYL. 2336
3	40101160057	Rubber Hose 高压胶管	2		02. YYL. 2395
4	40201160021	Joint 直接头	2		02. 01. 324324
5	40301700024	Hydro-Cylinder 3000 油缸	1		
6	40301700004	Hydro-Cylinder 3000 油缸	1		02. 01. 2323
7	40201160001	Joint 直接头	2		02. 01. 2355
8	40206000007	Joint 直角接头	1		02. 01. 2354
9	54012000005	Hoop 抱箍	2		03. 0813
10	40111160007	Steering Oil Outlet Pipe 转向出油管	1		02. YYL. 2370
11	40204000006	Banjo Bolt 空心螺栓	1		02. YYL. 2393
12	30803016001	Gasket Φ16 组合密封垫	2		03. 0483
13	40206000006	Joint 接头	1		02. YYL. 2394
14	40202220004	Joint 直角可调接头	2		02. 01. 31040
15	40202120001	Joint 直角可调接头	2		02. 01. 2337
16	40101160040	Rubber Hose 高压胶管	1		02. YYL. 2344
17	40432000001	Steering Gear 转向器	1		30. 25. 0011
18	40101160050	Rubber Hose 高压胶管	1		02. YYL. 2352
19	40101160048	Rubber Hose 高压胶管	1		02. YYL. 2351
20	40201160026	Joint 直通接头	3		02. 01. 3221
21	30803020001	Gasket Φ20 组合密封垫	3		03. 0485
22	40201200002	Joint 直接头	1		02. 01. 324322
23	40101220012	Rubber Hose 高压胶管	1		02. YYL. 2345
24	40101160052	Rubber Hose 高压胶管	1		02. YYL. 2353
25	40101160042	Rubber Hose 高压胶管	1		02. YYL. 2346
26	40202160001	Joint 直角接头	1		02. 01. 2336
27	40202160004	Joint 直角可调接头	1		02. 01. 2338

4.3 Body Hydraulic System (Without Side Shift) 车身液压系统（不带侧移）

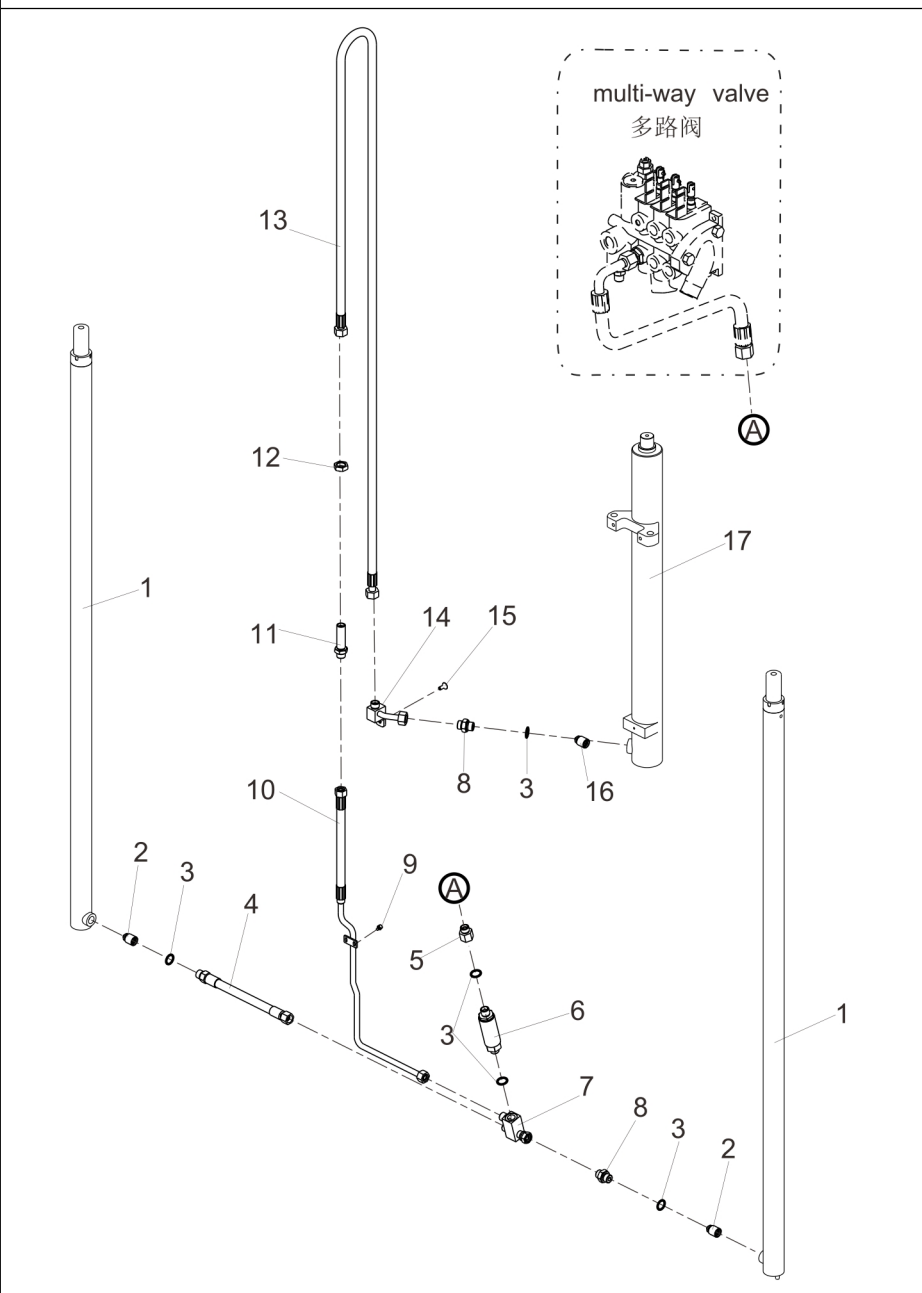


Item 序号	Part No. 代码	Description 名称	Qty 数量	Applied Date 适用日期	Remark 备注
1	40101160054	Rubber Hose 高压胶管	2		02. YYL. 2357
2	40122000058	Inclined Steel Pipe 倾斜钢管	1		02. YYL. 2336
3	40101160057	Rubber Hose 高压胶管	2		02. YYL. 2395
4	40201160021	Joint 直接头	2		02. 01. 324324
5	40301700024	Hydro-Cylinder L (3000) 油缸 L (3000)	1		
5	40301700027	Hydro-Cylinder L (4500) 油缸 L (4500)	1		
6	40301700004	Hydro-Cylinder R (3000) 油缸 R (3000)	1		02. 01. 2323
6	40301700028	Hydro-Cylinder R (4500) 油缸 R (4500)	1		
7	40201160001	Joint 直接头	2		02. 01. 2355
8	40206000007	Joint 直角接头	1		02. 01. 2354
9	54012000005	Hoop 抱箍	2		03. 0813
10	40111160007	Steering Oil Outlet Pipe 转向出油管	1		02. YYL. 2370
11	40204000006	Banjo Bolt 空心螺栓	1		02. YYL. 2393
12	30803016001	Gasket Φ16 组合密封垫	2		03. 0483
13	40206000006	Joint 接头	1		02. YYL. 2394
14	40202220004	Joint 直角可调接头	2		02. 01. 31040
15	40202120001	Joint 直角可调接头	2		02. 01. 2337
16	40101160040	Rubber Hose 高压胶管	1		02. YYL. 2344
17	40432000001	Steering Gear 转向器	1		30. 25. 0011
18	40101160050	Rubber Hose 高压胶管	1		02. YYL. 2352
19	40101160048	Rubber Hose 高压胶管	1		02. YYL. 2351
20	40201160026	Joint 直通接头	3		02. 01. 3221
21	30803020001	Gasket Φ20 组合密封垫	3		03. 0485
22	40201200002	Joint 直接头	1		02. 01. 324322
23	40101220012	Rubber Hose 高压胶管	1		02. YYL. 2345
24	40101160052	Rubber Hose 高压胶管	1		02. YYL. 2353

4.4 Two Stage Gantry Hydraulic System 两级门架液压系统

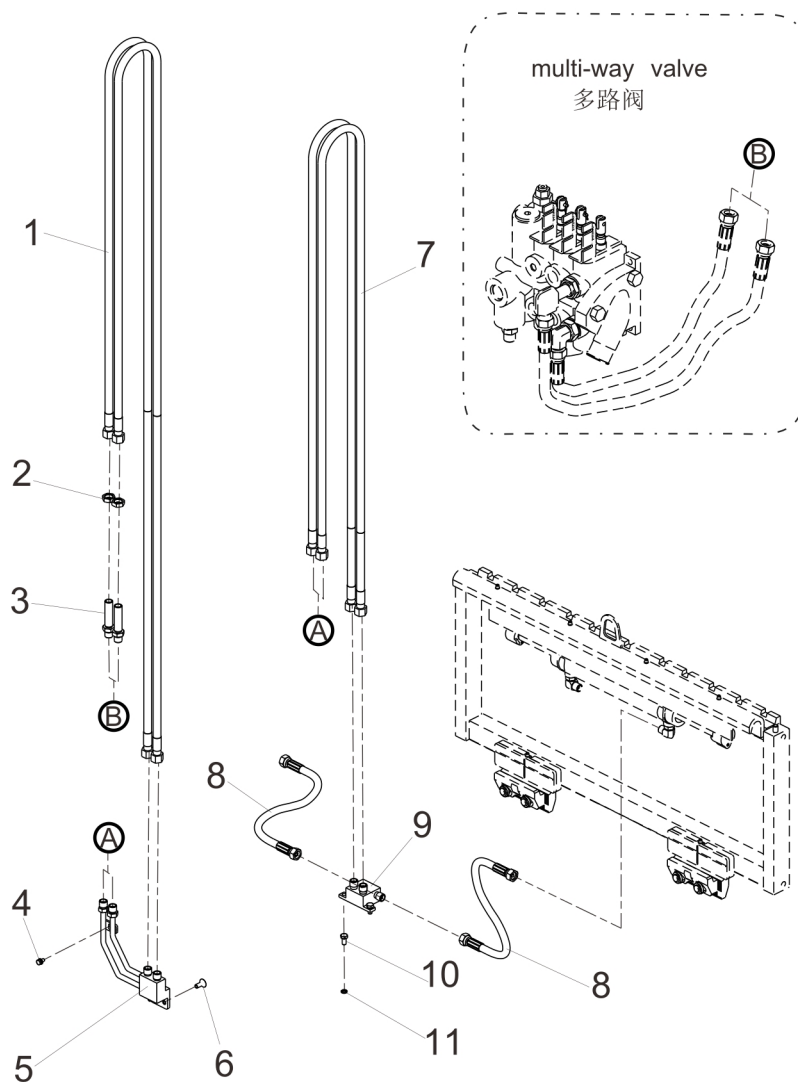
[illegible]

4.5 Three Stage Gantry Hydraulic System 三级门架液压系统



Item 序号	Part No. 代码	Description 名称	Qty 数量	Applied Date 适用日期	Remark 备注
1	40301450101	Hydro-Cylinder 4500 油缸	2		02. YG. 2301
1	40301450102	Hydro-Cylinder 4800 油缸	2		02. YG. 2302
1	40301450158	Hydro-Cylinder 5500 油缸	2		
2	40405000032	Explosion Proof Valve 防爆阀	2		
3	30803022001	Gasket Φ22 组合密封垫	4		03. 0486
4	40101220017	Rubber Hose 高压胶管	1		02. YYL. 2378
5	40221000009	Joint 接头	1		02. 01. 324330
6	40405000016	Speed Limit Valve 限速阀	1		02. 01. 01005
7	40205000005	Tee Joint 三通接头	1		02. YYL. 2396
8	40201220010	Joint 直通接头	1		02. 01. 3444
9	30101060024	Bolt M6×12 螺栓	2		
10	40121000048	Steel Pipe 钢管	1		02. YYL. 2402
11	40201220007	Joint 接头	1		02. 01. 32841
12	30301220002	Nut M22×1.5 螺母	1		03. 0286
13	40101220021	Rubber Hose 4500 高压胶管	1		02. YYL. 2401
13	40101220023	Rubber Hose 4800 高压胶管	1		02. YYL. 2403
13	40101220025	Rubber Hose 5500 高压胶管	1		02. YYL. 2404
14	40121000046	Steel Pipe 钢管	1		02. YYL. 2400
15	30251080028	Screw M8×20 螺钉	1		03. 0092
16	40405000032	Explosion Proof Valve 防爆阀	1		
17	40301700014	Hydro-Cylinder 4500 油缸	1		02. YG. 2292
17	40301700016	Hydro-Cylinder 4800 油缸	1		02. YG. 2303
17	40301700018	Hydro-Cylinder 5500 油缸	1		02. YG. 3669

4.6 Side Shift Hydraulic System 侧移液压系统

[illegible]

5.1

Electrical Assembly

电气总成

Item		Part No.	Description		Qty	Applied Date	Remark
序号		代码	名称		数量	适用日期	备注
1		70601000012	Instrument	仪表	1		
2		70111000002	Combination Switch	组合开关	1		02. 01. 3350
3		70105000001	Key Switch	钥匙开关	1		02. 01. 2186
4		70104000005	Emergency Stop	急停开关	1		
5		70202000004	Tail Lamp	后尾灯	2		
6		70202000003	Turn Signal	转向灯	2		
7		70201000001	Front Headlights	前大灯	2		19. 0334
8		30101080004	Bolt M8×16	螺栓	1		30. 35. 0299
9		30411080002	Spring Washer Φ8	弹垫	1		03. 0012
10		30401080001	Flat Washer Φ8	平垫	1		03. 0050
11		70222000002	Horn	喇叭	1		02. 01. 2218
12		30211050014	Screw M5×14	螺钉	4		03. 02267
13		30411050001	Spring Washer Φ5	弹垫	4		03. 00132
14		30401050001	Flat Washer Φ5	平垫	4		03. 00511
15		70304000001	Converter 48V-24V	转换器	1		02. 01. 21480
16		70501480004	Lead acid battery 48V/420Ah	铅酸电池	1		02. XDC. 2251
16		70503480083	lithium battery 48V/350Ah	锂电池	1		
17		70411020102	Lead acid charger	铅酸充电器	1		
17		70412020173	Lithium battery charger	锂电充电器	1		
18		30101100012	Bolt M10×25	螺栓	5		30. 35. ZC. 118
19		30411100002	Spring Washer Φ10	弹垫	5		03. 0014
20		30401100002	Flat Washer Φ10	平垫	5		03. 00513
21		70301000017	Control Board Assembly	控制板总成	1		
21		70301000025	Control Board Assembly	控制板总成	1		
21		70301000018	Control Board Assembly	控制板总成	1		
21		70301000028	Control Board Assembly	控制板总成	1		
21		70301000090	Control Board Assembly	控制板总成	1		
22		70106000003	Combination Lock	密码锁	1		

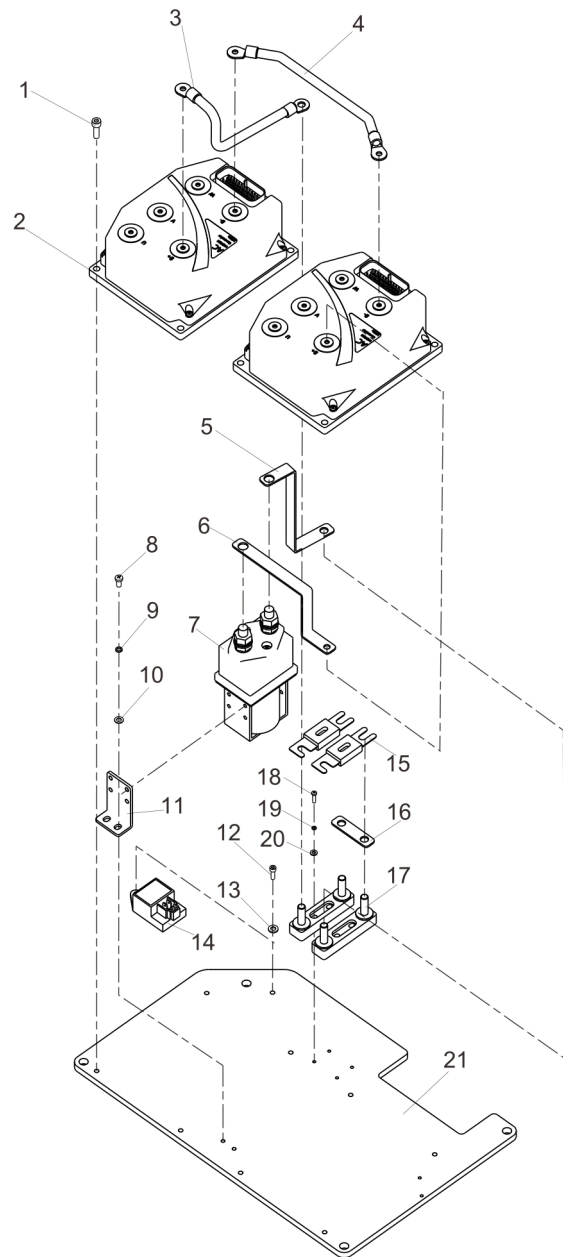
5.2

Control Board Assembly 1

控制板总成 1

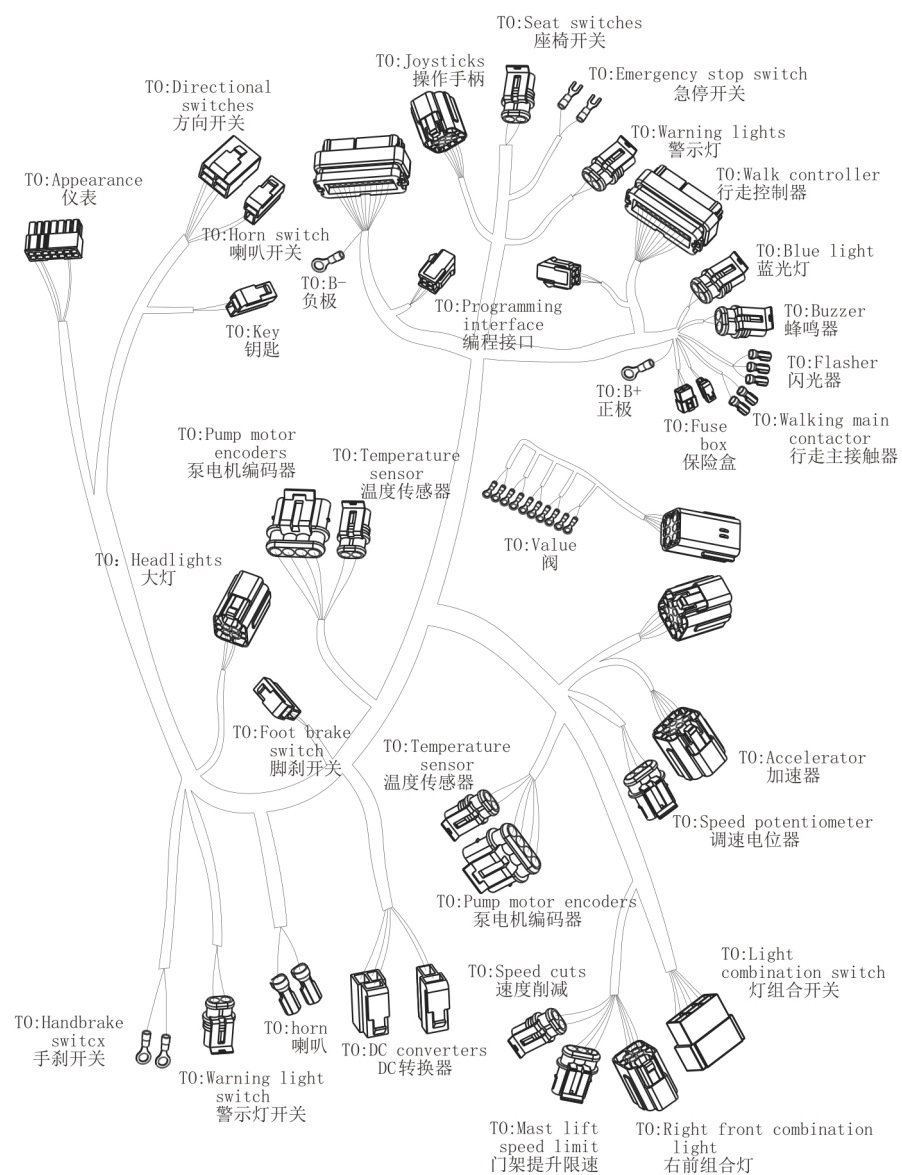
Item 序号	Part No. 代码	Description 名称	Qty 数量	Applied Date 适用日期	Remark 备注
A	70301000017	Control Board Assembly 控制板总成	1		
A	70301000025	Control Board Assembly 控制板总成	1		
1	30201060037	Screw M6×16 螺钉	7		03.0934
2	70331000039	Copper Bar 铜条	1		
3	70331000038	Copper Bar 铜条	2		
4	70331000041	Copper Bar 铜条	1		
5	30211050014	Screw M5×14 螺钉	4		03.02267
6	30411050001	Spring Washer Φ5 弹垫	8		03.00132
7	30401050001	Flat Washer Φ5 平垫	4		03.00511
8	30211050008	Screw M5×8 螺钉	8		
9	20204001029	Support 支架	2		30.25.0265
10	70303000003	Contactor 接触器	1		02.01.21620
11	70701000008	Fuse Box 保险丝盒	1		19.0773
12	70221000001	Flasher 闪光器	1		02.01.3354
13	70223000002	Buzzer 蜂鸣器	1		19.03621
14	70331000404	Installation Board 安装板	1		
15	70331000040	Copper Bar 铜条	1		
16	70701000004	Fuse 300A 保险丝	2		02.01.20001
17	30211050015	Screw M5×16 螺钉	4		03.0232
18	70711000001	Base 保险丝底座	2		02.01.3057
19	30201060021	Screw M6×20 螺钉	8		03.0149
20	30411060002	Spring Washer Φ6 弹垫	8		03.0011
21	30401060001	Flat Washer Φ6 平垫	8		03.00512
22	70302000025	AC Controller 1232SE 交流控制器	2		02.KZQ.2306
22	70302000032	AC Controller F4-A 交流控制器	2		02.KZQ.2387
22	70302000053	AC Controller FJ 交流控制器	2		

5.3 Control Board Assembly 2
控制板总成 2

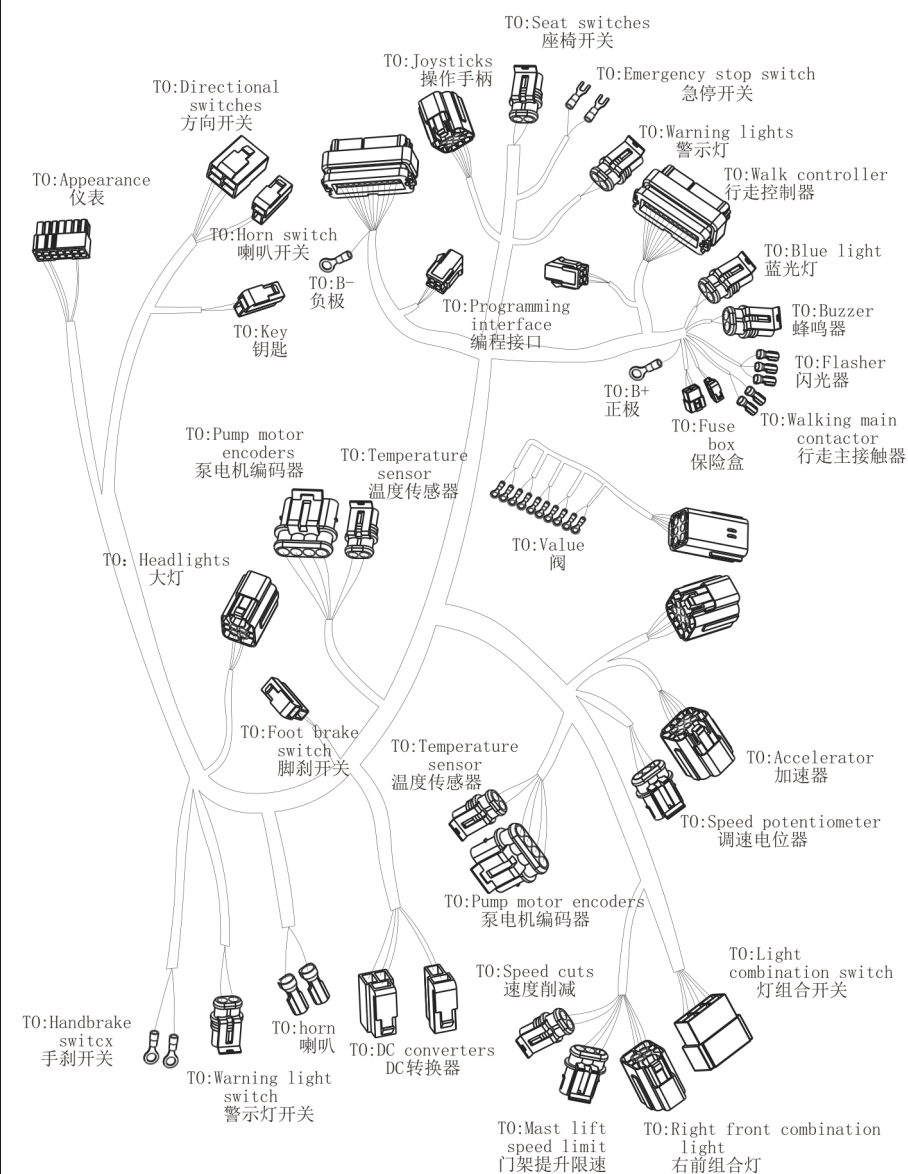


Item 序号	Part No. 代码	Description 名称	Qty 数量	Applied Date 适用日期	Remark 备注
A	70301000018	Control Board Assembly 控制板总成	1		
A	70301000028	Control Board Assembly 控制板总成	1		
1	30201060003	Screw M6×20 螺钉	8		03. 1180
2	70302000032	AC Controller F4-A 交流控制器	2		02. KZQ. 2387
2	70302000025	AC Controller 1232SE 交流控制器	2		02. KZQ. 2306
3	20104030213	Connecting Line 连接线	1		
4	20104030212	Connecting Line 连接线	1		
5	70331000044	Copper Bar 铜条	1		
6	70331000042	Copper Bar 铜条	1		
7	70303000003	Contactor 接触器	1		02. 01. 21620
8	30251050010	Screw M5×10 螺钉	6		03. 05340
9	30411050001	Spring Washer Φ5 弹垫	6		03. 00132
10	30401050001	Flat Washer Φ5 平垫	6		03. 00511
11	20203001172	Support 支架	1		30. 51. 0093
12	30201060018	Screw M6×12 螺钉	1		03. 0145
13	30401060001	Flat Washer Φ6 平垫	1		03. 00512
14	70221000001	Flasher 闪光器	1		02. 01. 3354
15	70701000004	Fuse 300A 保险丝	2		02. 01. 20001
16	70331000043	Copper Bar 铜条	1		
17	70711000001	Base 保险丝底座	2		02. 01. 3057
18	30211040008	Screw M4×16 螺钉	4		03. 02152
19	30411040002	Spring Washer Φ4 弹垫	4		03. 0008
20	30401040005	Flat Washer Φ4 平垫	4		03. 1138
21	70331000414	Installation Board 安装板	1		

5.4	Wiring Harness Assembly (1232SE+1232SE) 线束总成 (1232SE+1232SE)
-----	---

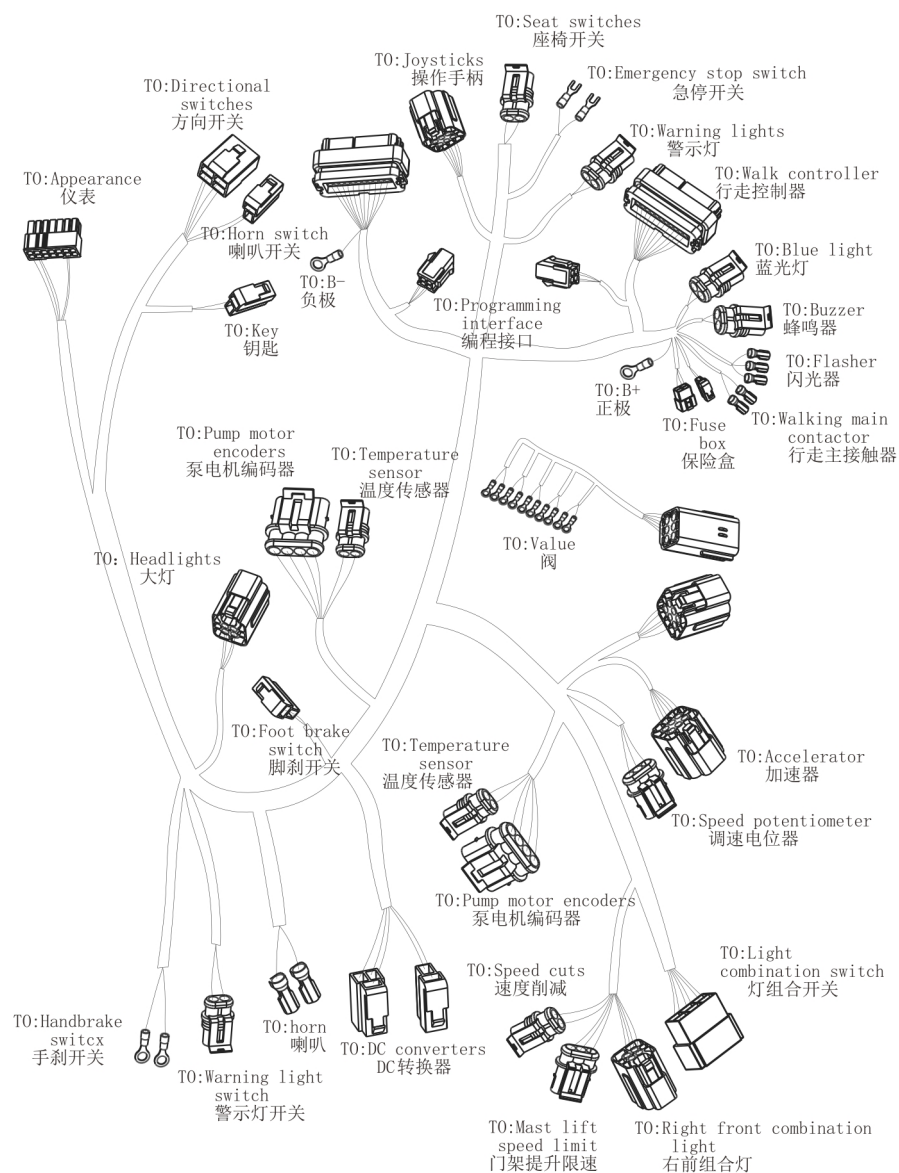
[illegible]

5.5 Wiring Harness Assembly (F4-A+F4-A) 线束总成 (F4-A+F4-A)

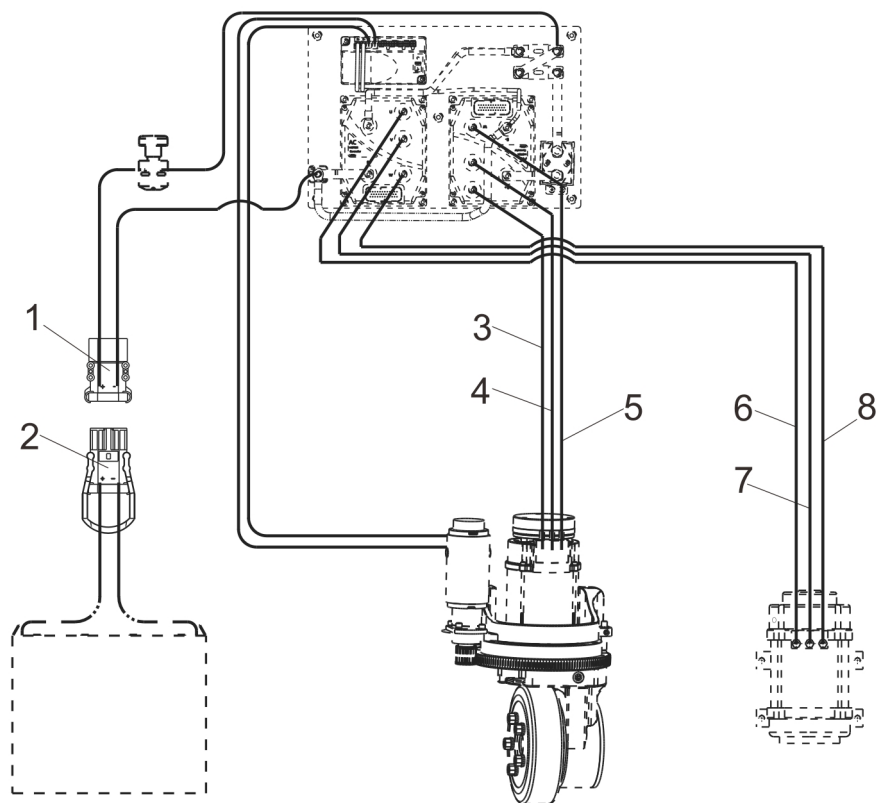
[illegible]

5.6 Wiring Harness Assembly (FJ)

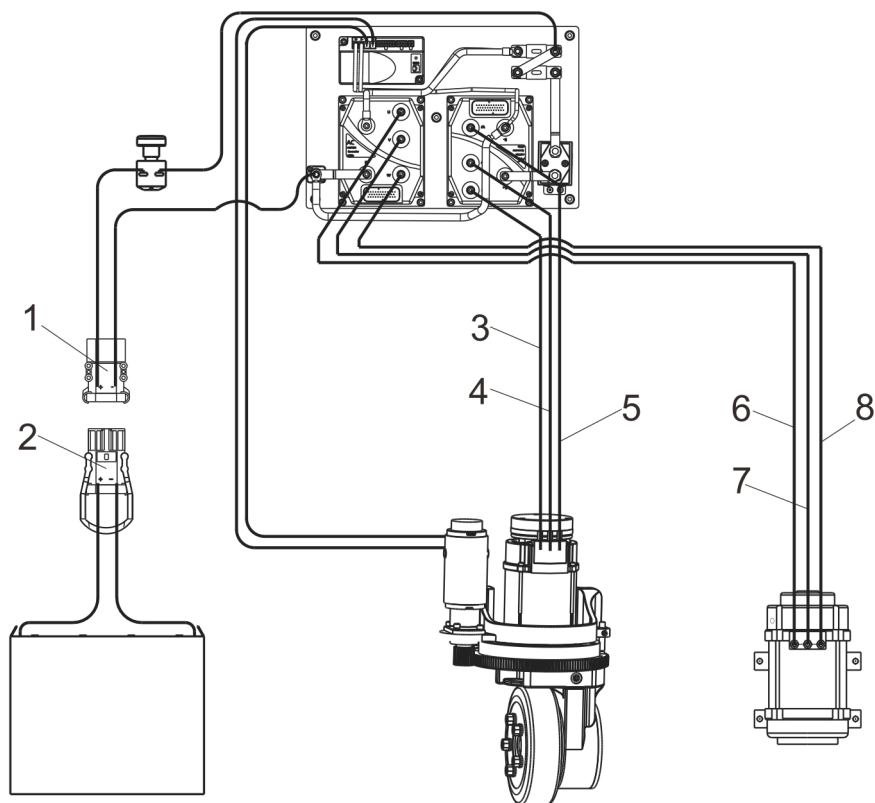
线束总成（凡几）

[illegible]

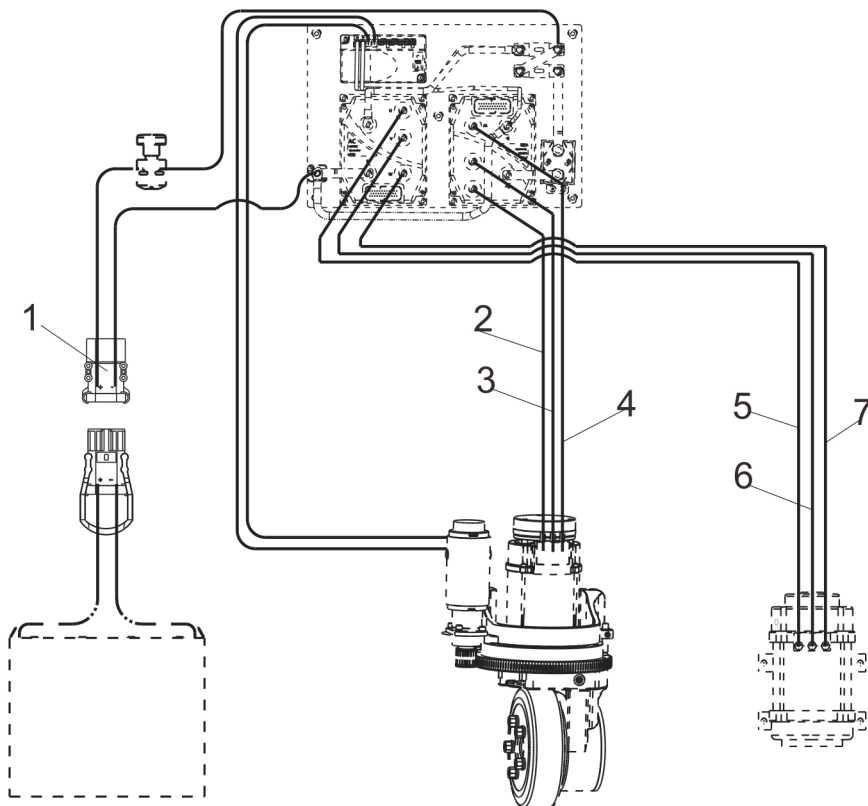
5.7	Cable Assembly (1232SE+1232SE) 电缆总成 (1232SE+1232SE)
-----	--

[illegible]

5.8	Cable Assembly (F4-A+F4-A)
	电缆总成 (F4-A+F4-A)

[illegible]

5.9	Cable Assembly (Lithium Battery) 电缆总成 (锂电池)
-----	--

[illegible]

零件目录最终由制造商保留解释权！

The power of interpretation of this part catalogue will be preserved by the manufacturer eventually!