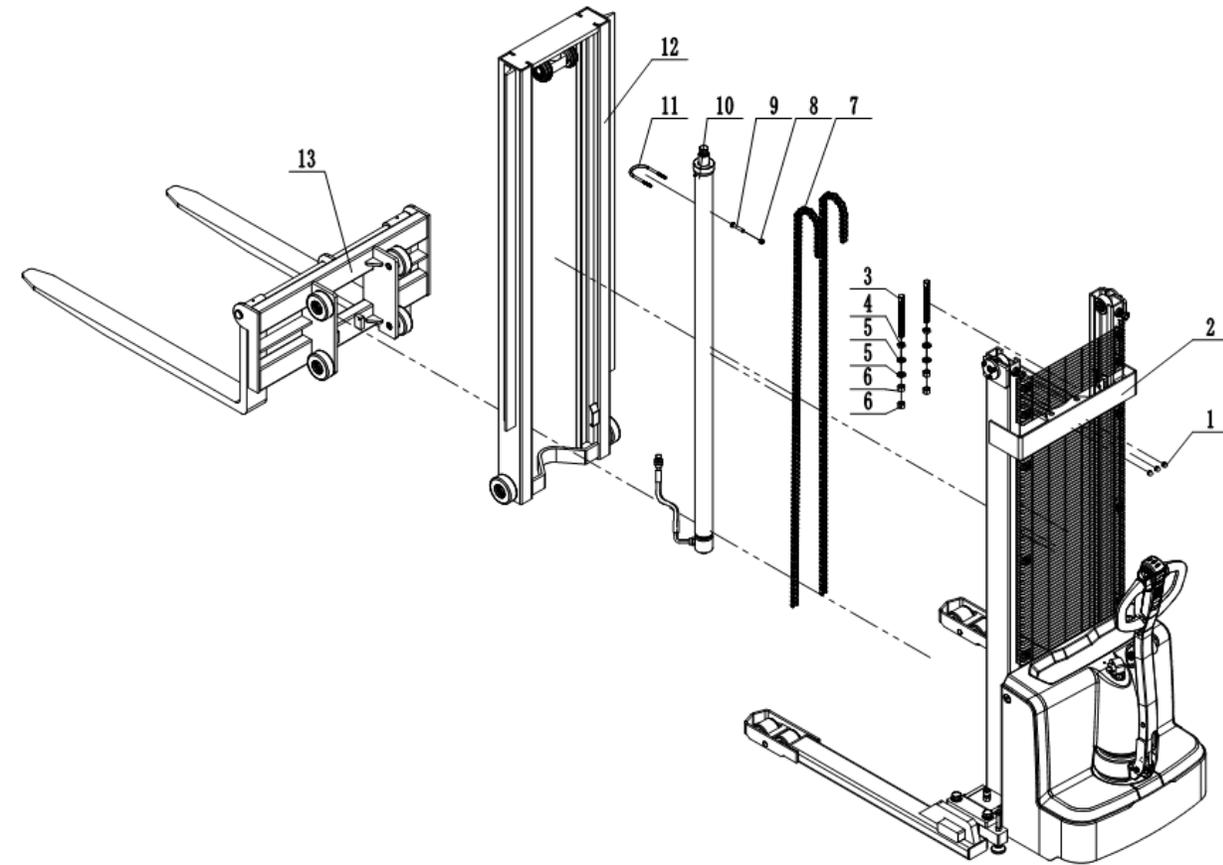




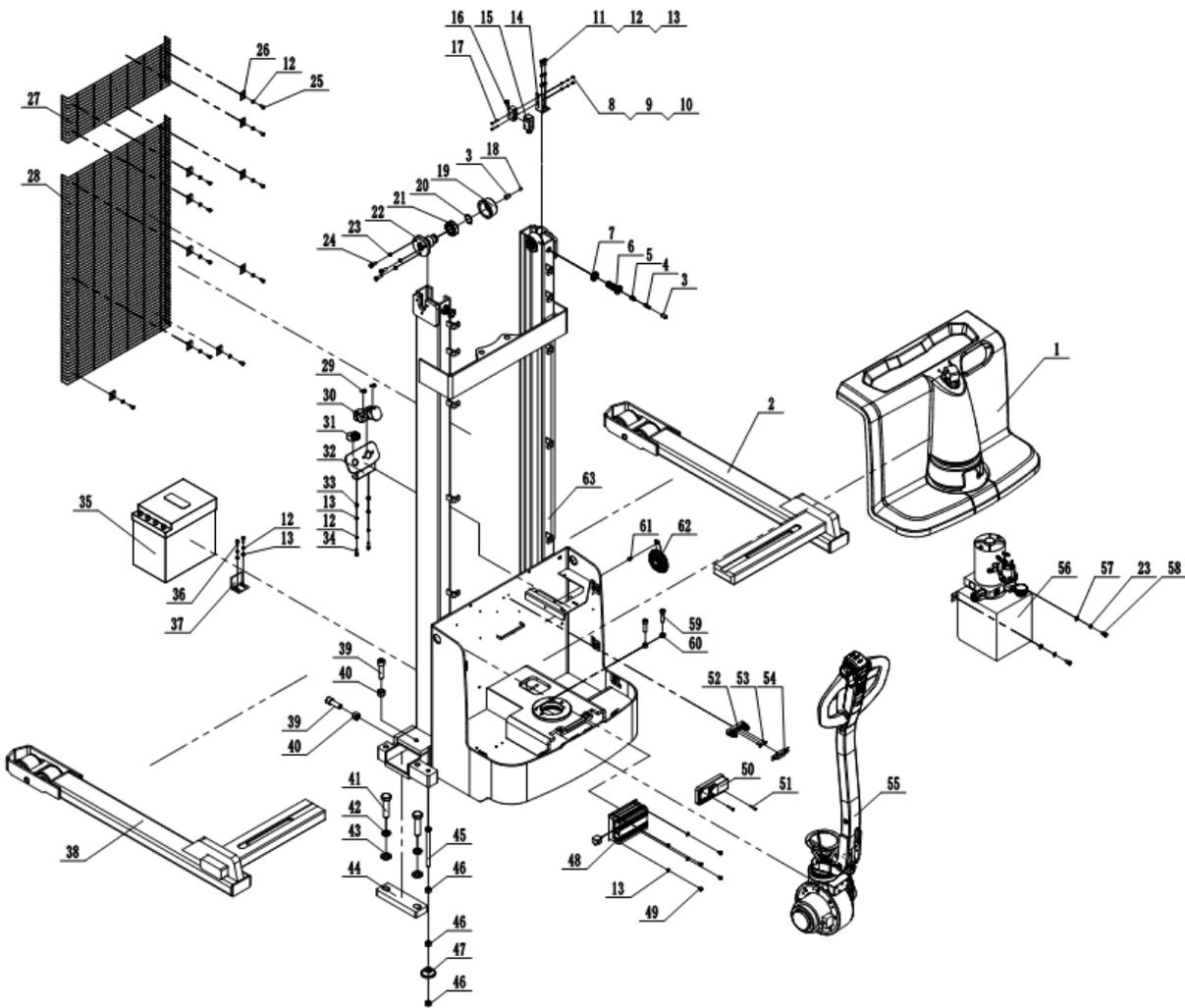
**EB13E SERIES (NO SIDESHIFT)**  
**EB13E/EB13E-138/  
EB13E-LI/EB13E-138LI/EB13E-145LI**  
**ELECTRIC PALLET STACKER**  
**PART MANUAL**

# 电动堆垛车 || ELECTRIC STACKER



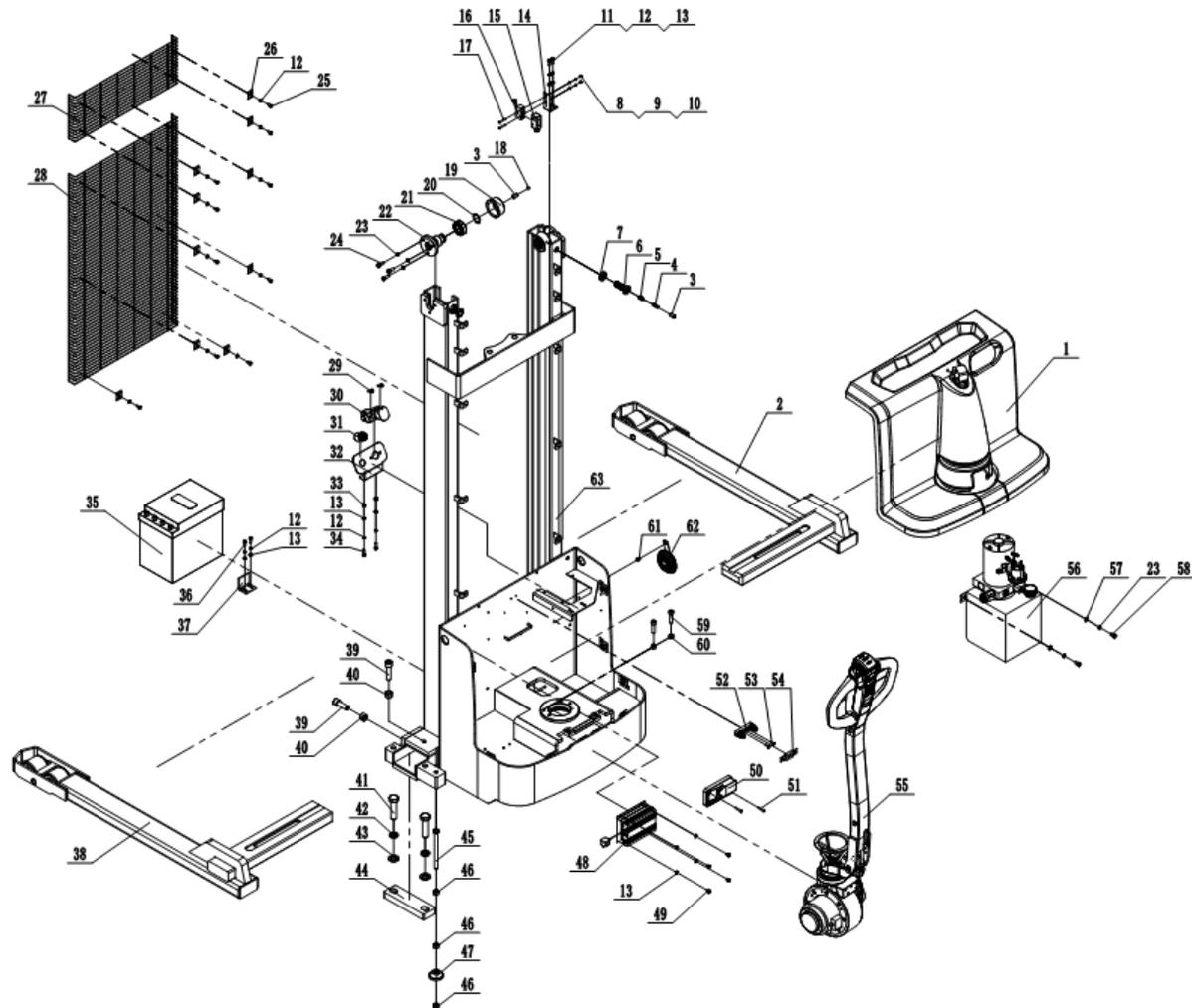
序号 Index	代码 Part No.	零件名称	Part Name	数量 Qty	适用日期 Applied Date	备注 Remark
1	50371100001	盖形螺母M10	Cap nut	1		
2	20106110074	车架组件	Frame assembly	1		3000
	20106110075	车架组件	Frame assembly	1		3500
	20106110076	车架组件	Frame assembly	1		3700
3	72390010005	链条拉杆 M16*180*1.5	Chain pull rod	2		
4	50362160001	六角薄螺母M16	Hexagon thin nut	2		
5	50501160001	圆形垫圈φ16	Round washer	4		
6	50301160002	六角螺母M16	Hex nut	4		
7	72303010007	链条12A-1*106	Chain	2		3000
	72303010010	链条12A-1*120	Chain	2		3500
	72303010013	链条12A-1*126	Chain	2		3700
8	50301100001	六角螺母M10	Hex nut	1		
9	50101100008	六角头螺栓M10*50	Hexagon bolt	1		
10	20106110064	油缸总成	Oil cylinder assembly	1		3000
	20106110077	油缸总成	Oil cylinder assembly	1		3500
	20106110071	油缸总成	Oil cylinder assembly	1		3700
11	70305010005	U型螺栓M8*70*140	U-bolt	1		
12	20106110078	内门架总成	Inner mast assembly	1		3000
	20106110079	内门架总成	Inner mast assembly	1		3500
	20106110080	内门架总成	Inner mast assembly	1		3700
13	20106110011	托盘架总成	Pallet Rack Assembly	1		

# 1. 车体系统 || Stacker Body



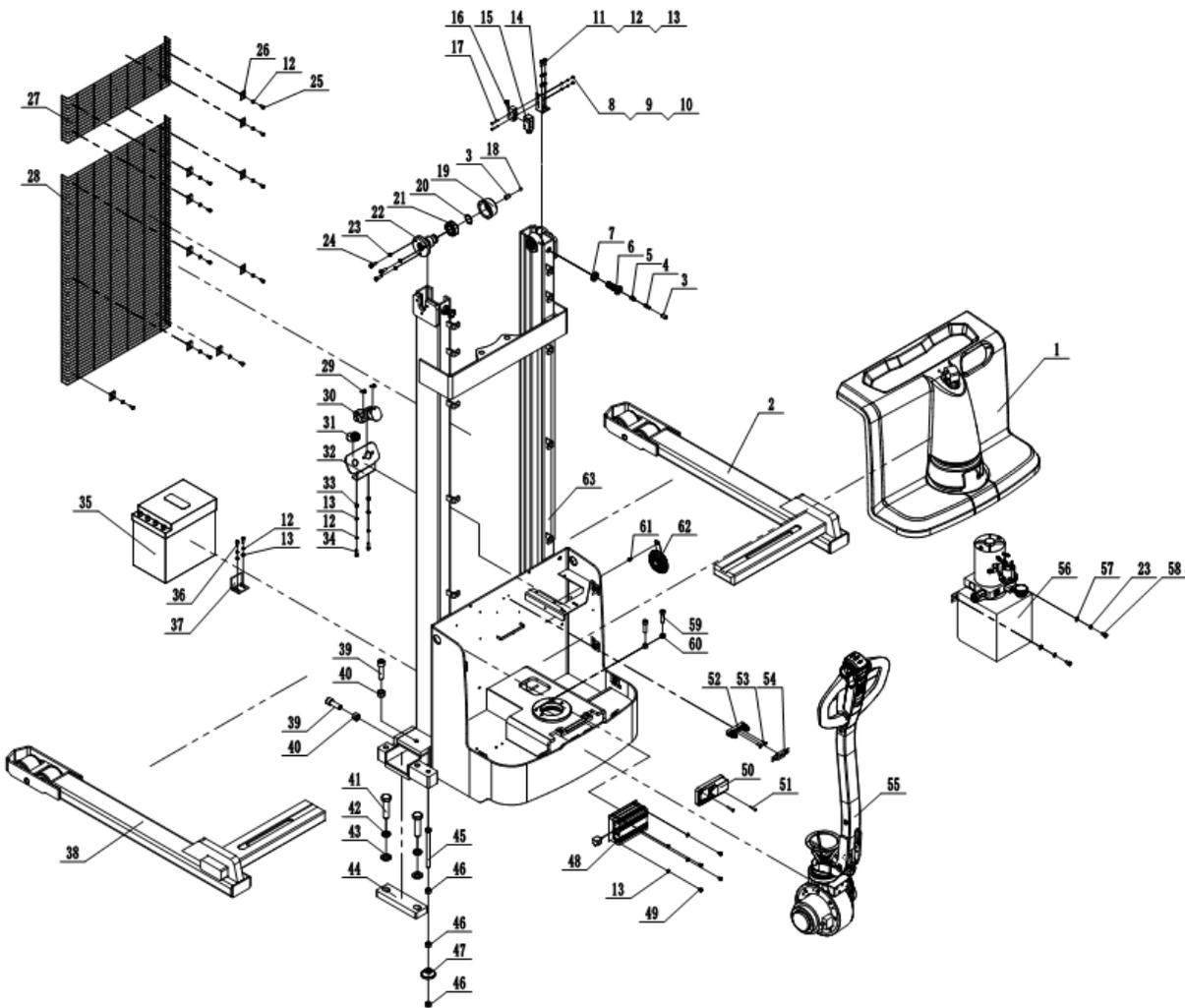
序号 Index	代码 Part No.	零件名称	Part Name	数量 Qty	适用日期 Applied Date	备注 Remark
1	20106110055	覆盖件总成	Cover assembly	1		
2	20106110056	车脚组件右	Right footrest assembly	1		
3	50221120006	内六角平端紧定螺钉 M12*20*1.5	Hex socket set screw with flat point	4		
4	70901010002	压缩弹簧1.6*10*23	Compression spring	2		
5	70301030002	调节顶销φ12*25	Adjustable top pin	2		
6	70301030001	调节螺栓SM20*60	Adjustment bolt	2		
7	50331300002	调节螺母M20	Adjusting nut	2		
8	50311040001	六角锁紧螺母M4	Hex lock nut	2		
9	50511040001	弹性垫圈φ4	Resilient washer	2		
10	50501040001	圆形垫圈φ4	Round washer	2		
11	50211060003	十字槽盘头螺钉M6*20	Hexagon socket cap screw	2		
12	50511060001	弹性垫圈φ6	Resilient washer	18		
13	50501060001	圆形垫圈φ6	Round washer	8		
14	77706050089	限位开关板	Limit switch plate	1		
15	85100000001	微动开关防护罩	Micro switch protective cover	1		
16	80101010012	微动开关RZ-15GW2S- B03	Micro switch	1		
17	50211040005	十字槽盘头螺钉M4*30	Hexagon socket cap screw	2		
18	79001130001	钢球φ13.5	Steel ball	2		
19	71103010002	轴承座	Bearing housing	2		
20	50521301001	轴用弹性挡圈φ30	Shaft retaining ring	2		
21	50801250008	深沟球轴承6205-2RS	Deep groove ball bearing	2		

# 1. 车体系统 || Stacker Body



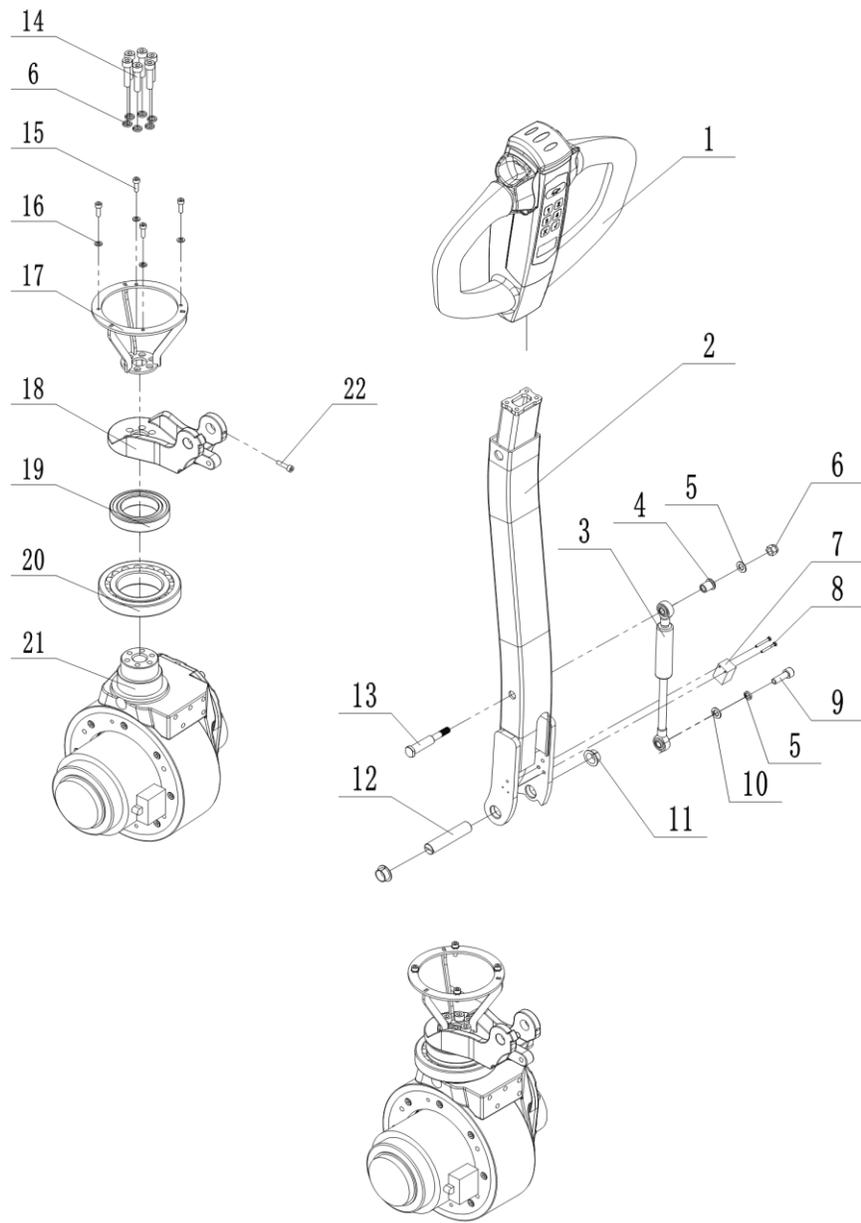
序号 Index	代码 Part No.	零件名称	Part Name	数量 Qty	适用日期 Applied Date	备注 Remark
22	77706030009	导向轮杆焊合	Guide Wheel Lever Welding Assembly	1		
23	50511080001	弹性垫圈φ8	Resilient washer	5		
24	50201080003	内六角圆柱头螺钉M8*20	Hexagon socket cap screw	5		
25	50101060011	六角头螺栓M6*12	Hexagon bolt	10		
26	79003010006	网罩压片	Mesh connector	10		
27	71301010011	网罩	Mesh protection	1		
28	71301010012	网罩	Mesh protection	1		3000
	71301010017	网罩	Mesh protection	1		3500
	71301010016	网罩	Mesh protection	1		3700
29	50211060003	十字槽盘头螺钉M6*20	Hexagon socket cap screw	2		
30	80107010002	急停开关ED250A	Emergency stop switch	1		
31	80109010001	钥匙开关JK530AMP	Key switch	1		
32	77706050090	开关安装板	Switch Mounting Plate	1		
33	50311060001	六角锁紧螺母M6	Hex lock nut	2		
34	50201060007	内六角圆柱头螺钉M6*20	Hexagon socket cap screw	2		
35	81103243010	锂电池24V60AH	Lithium Battery	1		
	81108120009	铅酸电池12V100Ah	Lead-acid battery	2		
36	50201060018	内六角圆柱头螺钉M6*16	Hexagon socket cap screw	2		
37	77706050012	电瓶限位板	Battery lock bracket	1		
38	20106110057	车脚组件左	Left Footrest Assembly	1		
39	50201160001	内六角圆柱头螺钉M16*45	Hexagon socket cap screw	4		
40	50301160001	六角螺母M16	Hex nut	4		

# 1. 车体系统 || Stacker Body



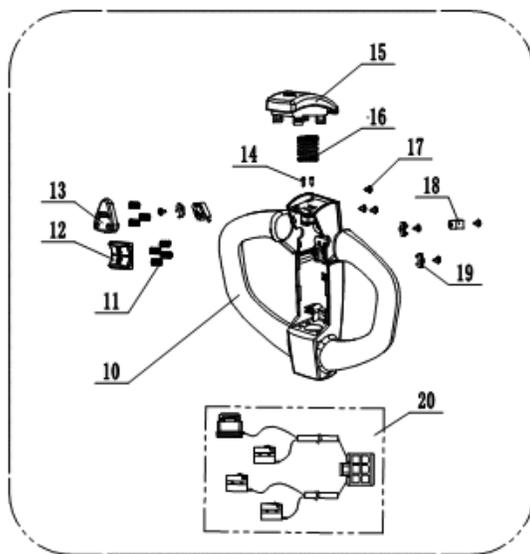
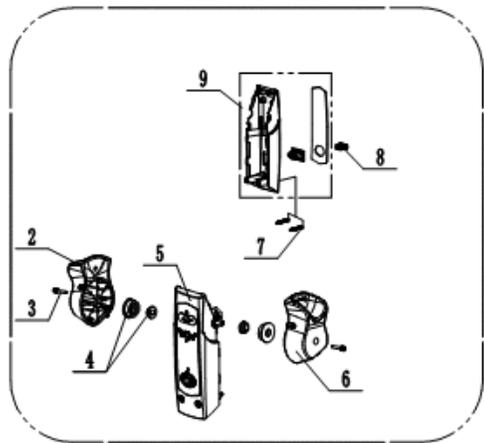
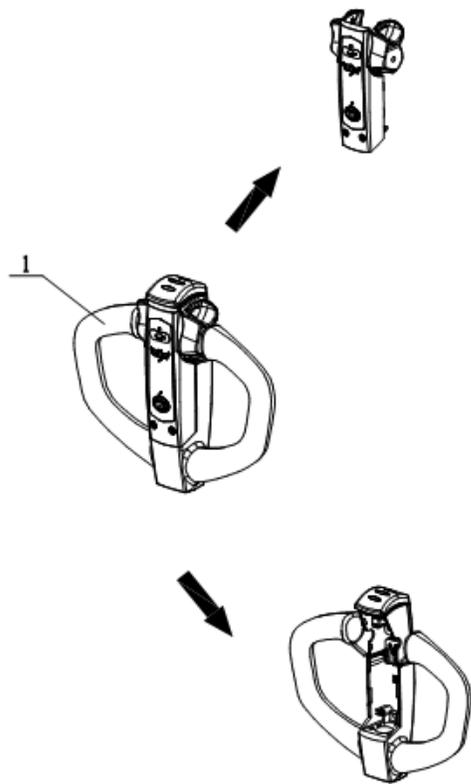
序号 Index	代码 Part No.	零件名称	Part Name	数量 Qty	适用日期 Applied Date	备注 Remark
41	50101200002	六角头螺栓M20*80	Hexagon bolt	4		
42	50511200001	弹性垫圈φ20	Resilient washer	4		
43	50501200013	圆形垫圈φ20	Round washer	4		
44	77706030013	压板	Pressure Plate	2		
45	50101120017	六角头螺栓M12*160	Hexagon bolt	2		
46	50301120001	六角螺母M12	Hex nut	6		
47	77706030015	调节地脚	Adjustable Foot	2		
48	80912241035	充电器	Charger	1		
49	50211060001	十字槽盘头螺钉M6*10	Hexagon socket cap screw	4		
50	80601241007	控制器1212P	Controller	1		
51	50211050006	十字槽盘头螺钉M5*25	Hexagon socket cap screw	2		
52	81603010001	保险丝座ANL-N	Fuse holder	1		
53	50203050003	内六角沉头螺钉M5*16	Hexagon socket countersunk head screw	2		
54	81601010001	保险丝100A	Fuse wire	1		
55	20106110058	操作系统总成	Operating System Assembly	1		
56	A5021102115	泵站总成	Right-angle joint	1		
57	50501080001	圆形垫圈φ8	Pump Station Assembly	2		
58	50201080001	内六角圆柱头螺钉M8*12	Round washer	2		
59	50201100018	内六角圆柱头螺钉M10*40	Hexagon socket cap screw	2		
60	50301100001	六角螺母M10	Hex nut	2		
61	50211060001	十字槽盘头螺钉M6*10	Hexagon socket cap screw	1		
62	80325010001	喇叭XJF-65/24V	Horn	1		
63	20106010035	车架焊合	Chassis weld assembly	1		3000
	20106010036	车架焊合	Chassis weld assembly	1		3500
	20106010037	车架焊合	Chassis weld assembly	1		3700

## 1.1 操作系统总成 || Control System Assembly



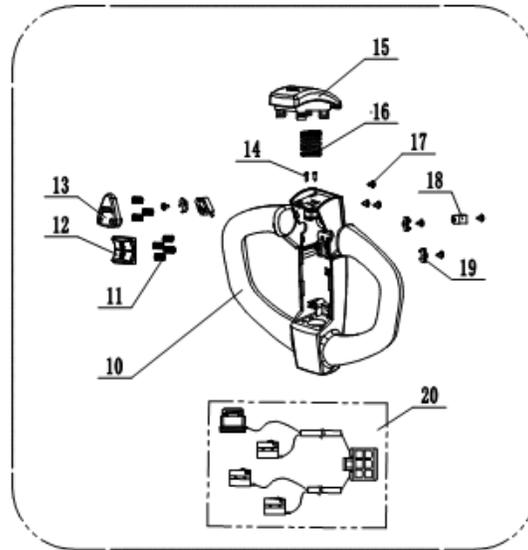
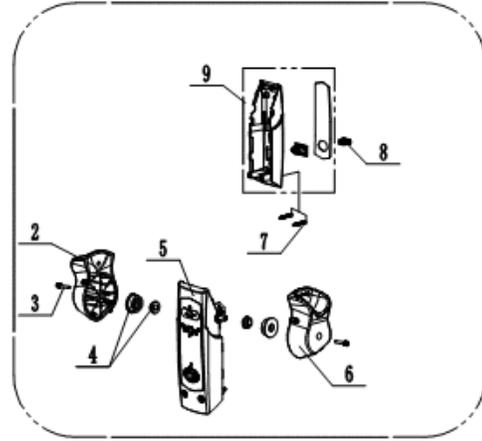
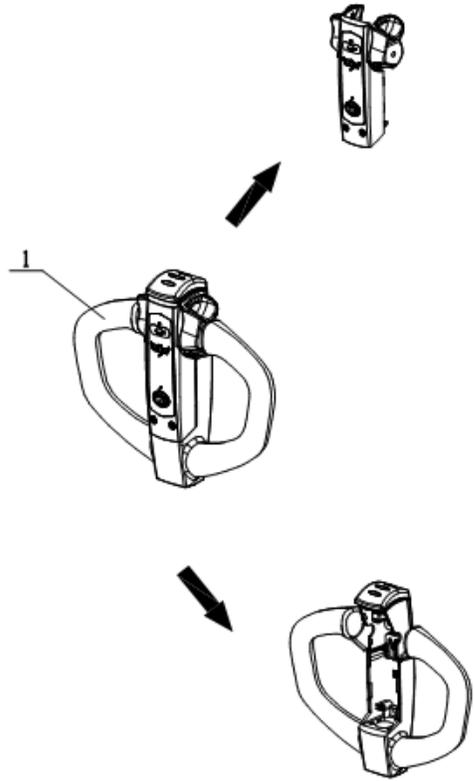
序号 Index	代码 Part No.	零件名称	Part Name	数量 Qty	适用日期 Applied Date	备注 Remark
1	82601241011	操作手柄T410A-9C	Operating handle	1		锂电款
	82601240008	操作手柄T410A-9	Operating handle	1		锂电款
	82601240015	操作手柄T410A-9E	Operating handle	1		铅酸款
2	75303010013	手柄杆焊合	Handle bar assembly	1		
3	70912160004	气弹簧YQ16-70-245/700N	Gas spring	1		
4	70301050002	轴套	Axle sleeve	1		
5	50511080001	弹性垫圈φ8	Resilient washer	8		
6	50311080001	六角锁紧螺母M8	Hex lock nut	1		
7	80119010009	接近开关AZ17M05PNK 10-30VDC	Approach switch	1		
8	50211030003	十字槽盘头螺钉M3*25	Hexagon socket cap screw	2		
9	50201080010	内六角圆柱头螺钉M8*30	Hexagon socket cap screw	1		
10	50501080001	圆形垫圈φ8	Round washer	7		
11	72902160004	带肩复合衬套 16*18*10/24	Composite bush with shoulder	2		
12	70101160005	手柄销轴φ16*75	Handle Pivot Pin	1		
13	70301050001	连接轴	Connecting axle	1		
14	50201080007	内六角圆柱头螺钉M8*35	Hexagon socket cap screw	6		
15	50201050023	内六角圆柱头螺钉M5*16	Hexagon socket cap screw	4		
16	50501050001	圆形垫圈φ5	Round washer	4		
17	77706050091	转向罩安装架	Steering Cover Mounting Bracket	1		
18	77706050092	关节座	Joint Hub	1		
19	50801500006	深沟球轴承6010-2RS	Deep groove ball bearing	1		
20	50802600002	圆锥滚子轴承30212	Tapered roller bearing	1		
21	83101243007	驱动总成	Drive Assembly	1		

## 1.1.1 手柄总成 || Handle Assembly



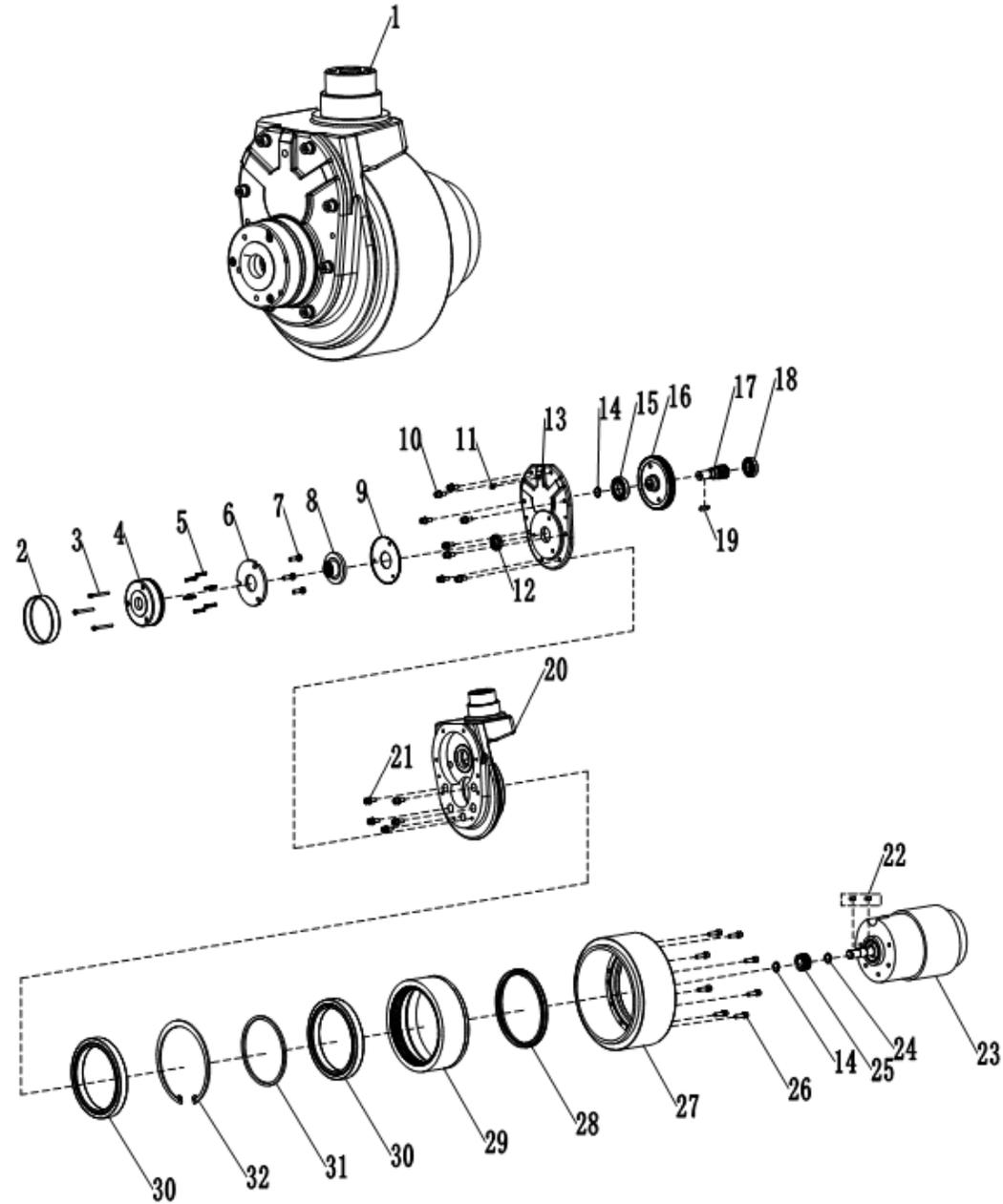
序号 Index	代码 Part No.	零件名称	Part Name	数量 Qty	适用日期 Applied Date	备注 Remark
1	82601241011	T410A-9C手柄总成	Handle Assembly	1		
2	A7060355019	左加速器旋钮	Left accelerator knob	1		
3	A6162607017	平弹垫三合一螺栓	Three-in-one flat spring washer bolt	2		
4	A6162603016	轴内外套总成	Inner/Outer Shaft Sleeve Assembly	2		
5	A6163101032	加速器总成	Accelerator assembly	1		
6	A7060621066	右加速器旋钮	Right accelerator knob	1		
7	A6165102011	六角螺栓	Hex bolt	2		
8	A7010110012	磁铁钥匙总成	Magnetic key assembly	1		
9	A6165109071	下盖面膜组件	Lower cover facial mask assembly	1		
10	A7060901031	大手柄上盖	Large handle upper cover	1		

## 1.1.1 手柄总成 || Handle Assembly



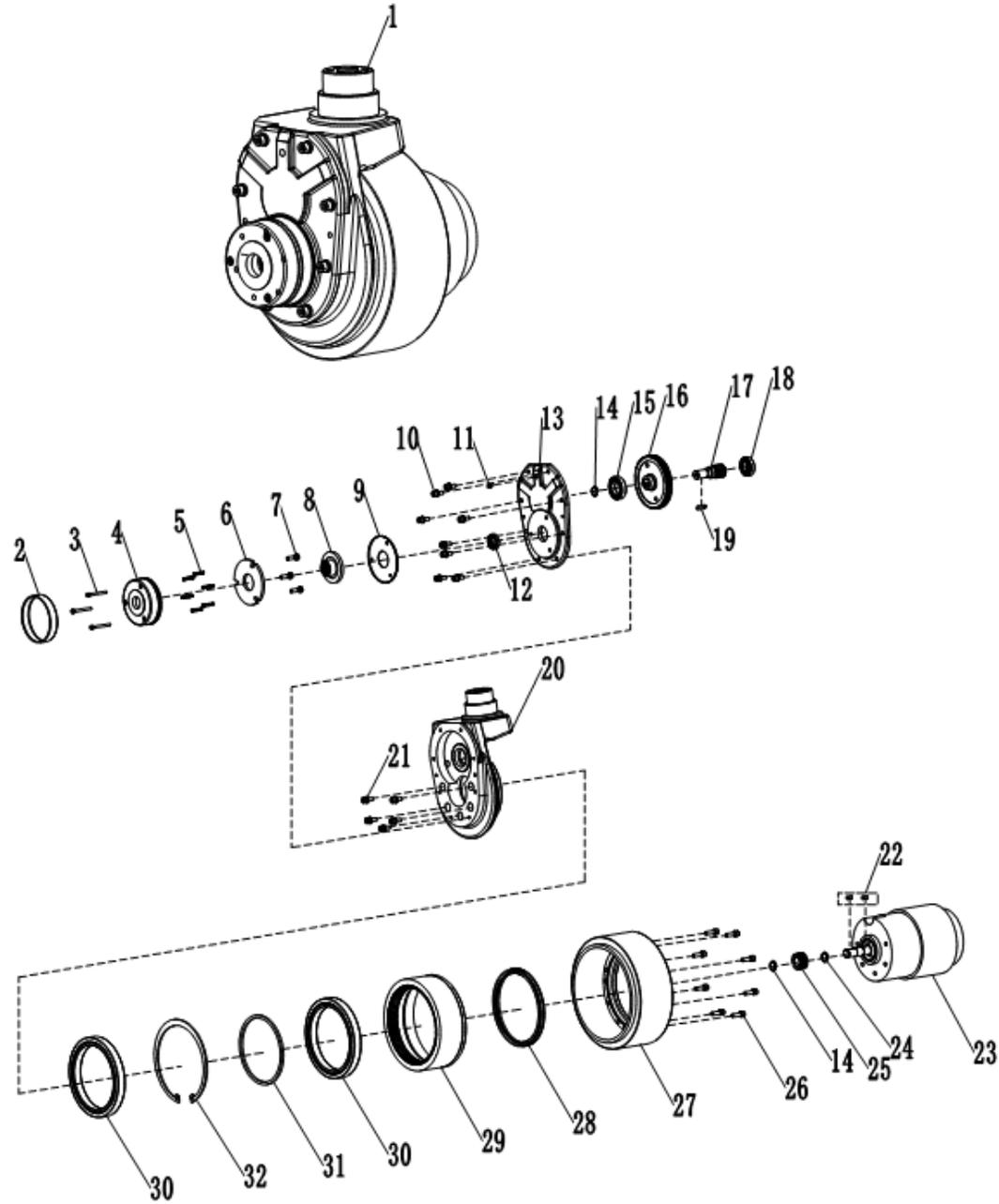
序号 Index	代码 Part No.	零件名称	Part Name	数量 Qty	适用日期 Applied Date	备注 Remark
11	A5020120011	压簧	Pressure spring	7		
12	A7010110013	升降按钮	Lifting and lowering button	1		
13	A6019001060	喇叭按钮	Horn button	1		
14	A7900301029	自攻螺丝	Self-tapping screw	2		
15	A8090124012	肚皮开关	Emergency reverse button	1		
16	A7310207916	压簧	Pressure spring	1		
17	A6117101611	自攻螺丝	Self-tapping screw	7		
18	A6163601011	尼龙线夹	Nylon wire clamp	3		
19	A5050103011	微动开关定位片	Microswitch positioning plate	3		
20	A5010112024	微动开关总成	Microswitch assembly	1		

## 1.1.2 驱动轮总成 || Drive Wheel Assembly



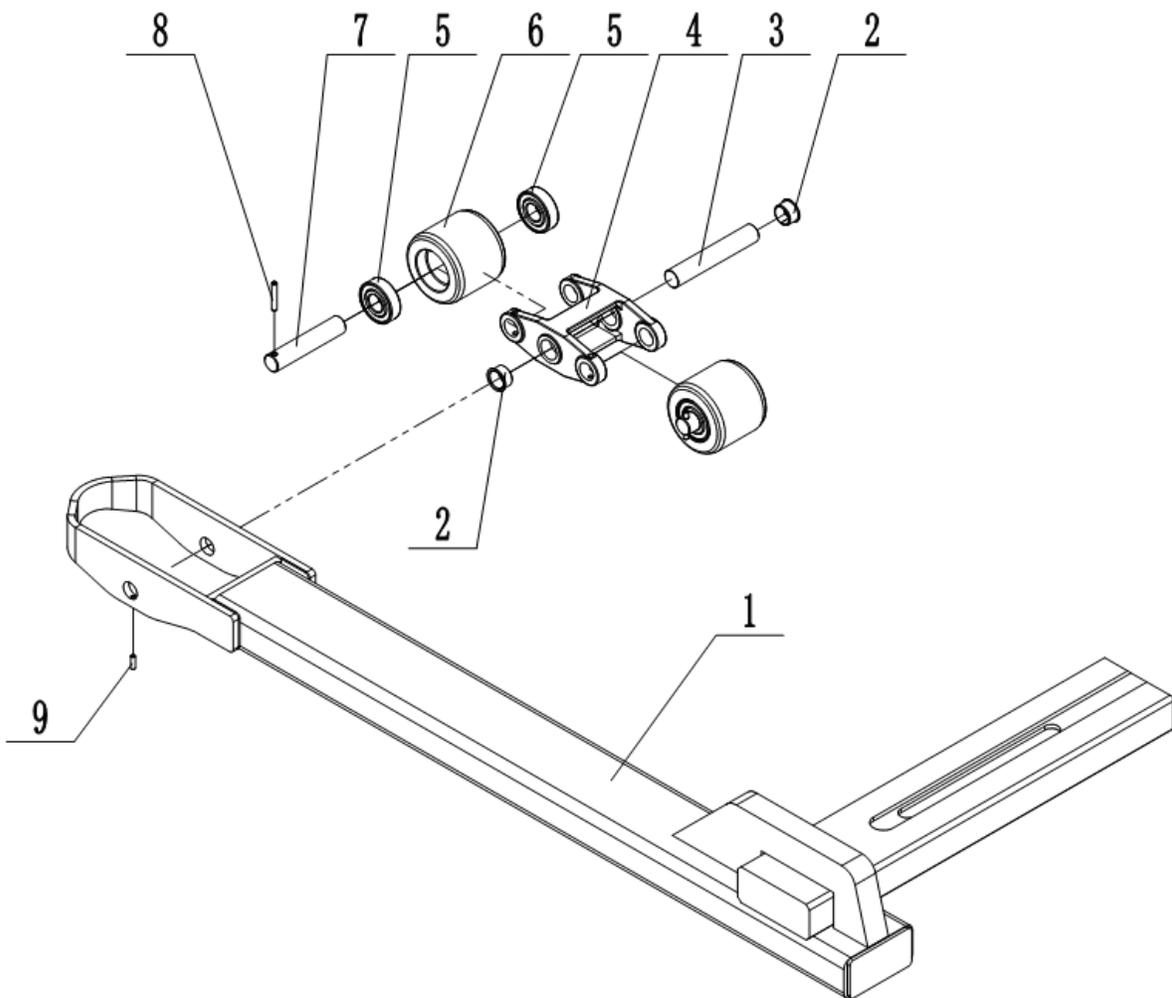
序号 Index	代码 Part No.	零件名称	Part Name	数量 Qty	适用日期 Applied Date	备注 Remark
1	83101243007	驱动总成	Drive Assembly	1		
2	A7060355015	防尘皮圈	Dust ring	1		
3	A6162607013	内六角圆柱头螺钉 M4x40	Hexagon socket cap screw	3		
4	A6162603011	制动器定子	Brake stator	1		
5	A6163101029	弹簧	Spring	6		
6	A7060621063	衔铁	Link iron plate	1		
7	A6165102008	六角头螺栓半螺纹 M6x20	Hexagon bolt	3		
8	A7010110008	摩擦盘	Friction disk	1		
9	A6165109068	摩擦板	Friction plate	1		
10	A7060901028	内六角圆柱头螺钉 M6x16	Hexagon socket cap screw	8		
11	A5020120009	M8黄油嘴	M8 Grease fitting	1		
12	A7010110093	骨架油封Φ16xΦ28x7	Metal frame oil seal	1		
13	A6019001052	齿轮箱后盖	Gearbox rear cover	1		
14	A7900301027	轴用弹性挡圈Φ15x1	Axle-use resilient washer	2		
15	A8090124010	深沟球轴承61905-RZ	Deep groove ball bearing	1		
16	A7310207913	一级从动齿轮	Driven gear	1		

## 1.1.2 驱动轮总成 || Drive Wheel Assembly



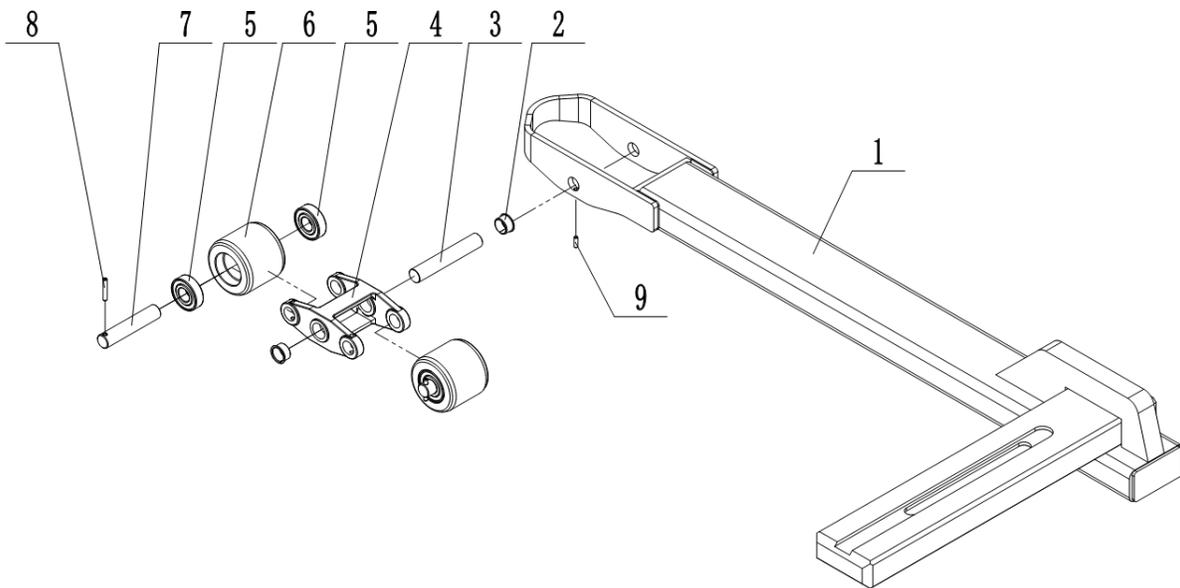
序号 Index	代码 Part No.	零件名称	Part Name	数量 Qty	适用日期 Applied Date	备注 Remark
17	A6117101608	二级主动齿轮轴	Driving gear	1		
18	A6163601008	深沟球轴承6003-2Z	Deep groove ball bearing	1		
19	A5050103002	平键	Flat key	1		
20	A5010112020	驱动齿轮箱	Drive gearbox	1		
21	A8090125116	内六角圆柱头螺钉 M8x30	Hexagon socket cap screw	5		
22	A8090125152	平键	Flat key	2		
23	A8090125117	电机总成0.75KW	Motor assembly	1		
24	A2010506005	轴用弹性挡圈Φ16x1	Axle-use resilient washer	1		
25	A7060810005	一级主动齿轮	Driving gear	1		
26	A7150101005	内六角圆柱头螺钉 M6x20	Hexagon socket cap screw	8		
27	71501111001	轮圈φ210*75	Wheel rim	1		
28	A8260148006	骨架油封	Metal frame oil seal	1		
29	A8260148079	大齿圈	Big gear ring	1		
30	A8260148082	深沟球轴承61824- 2RS	Deep groove ball bearing	2		
31	A8260148080	塑料垫圈	Plastic washer	1		
32	A8260148081	孔用弹性挡圈Φ150	Hole-use resilient washer	1		

## 1.2 车脚组件左 || The Foot Assembly ( Left )



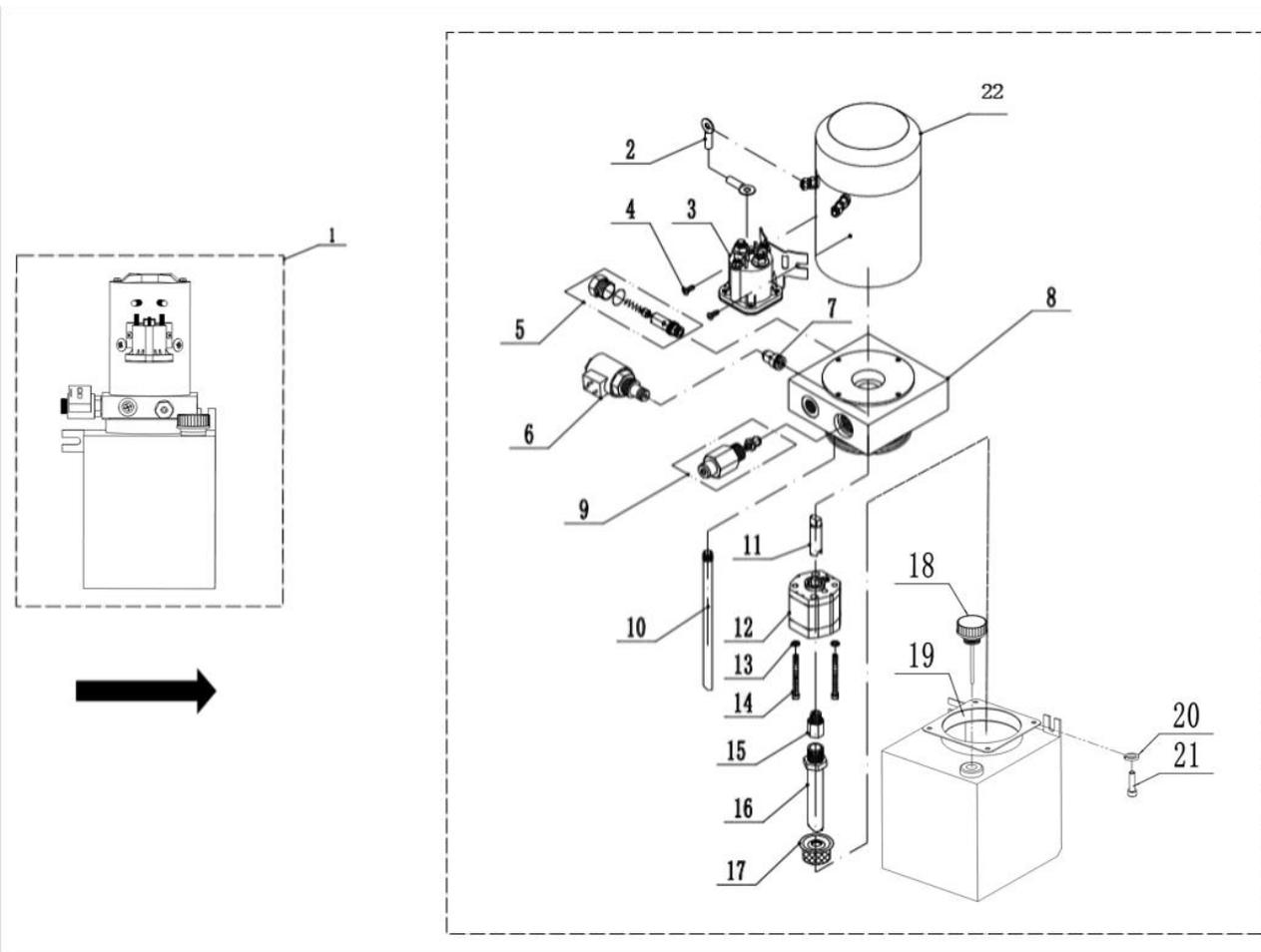
序号 Index	代码 Part No.	零件名称	Part Name	数量 Qty	适用日期 Applied Date	备注 Remark
1	20106060076	车脚焊合左	Left Welded Foot Assembly	1		
2	72902200001	带肩复合衬套 20*23*15/30	Composite bush with shoulder	2		
3	70101200019	连接销φ20*118	Connecting Pin	1		
4	75103010004	轮架	Roller carrier	1		
5	50801200002	深沟球轴承6204-2RS	Deep groove ball bearing	4		
6	71501010001	直轮φ80*70	Load wheel	2		
7	70101200035	小轮轴φ20*100	Small Wheel Axle	2		
8	50601050006	弹性圆柱销φ5*35	Spring column pin	2		
9	50221050005	内六角平端紧定螺钉 M5*16	Hexagon flat head tighten screw	1		

### 1.3 车脚组件右 || The Foot Assembly ( Right )



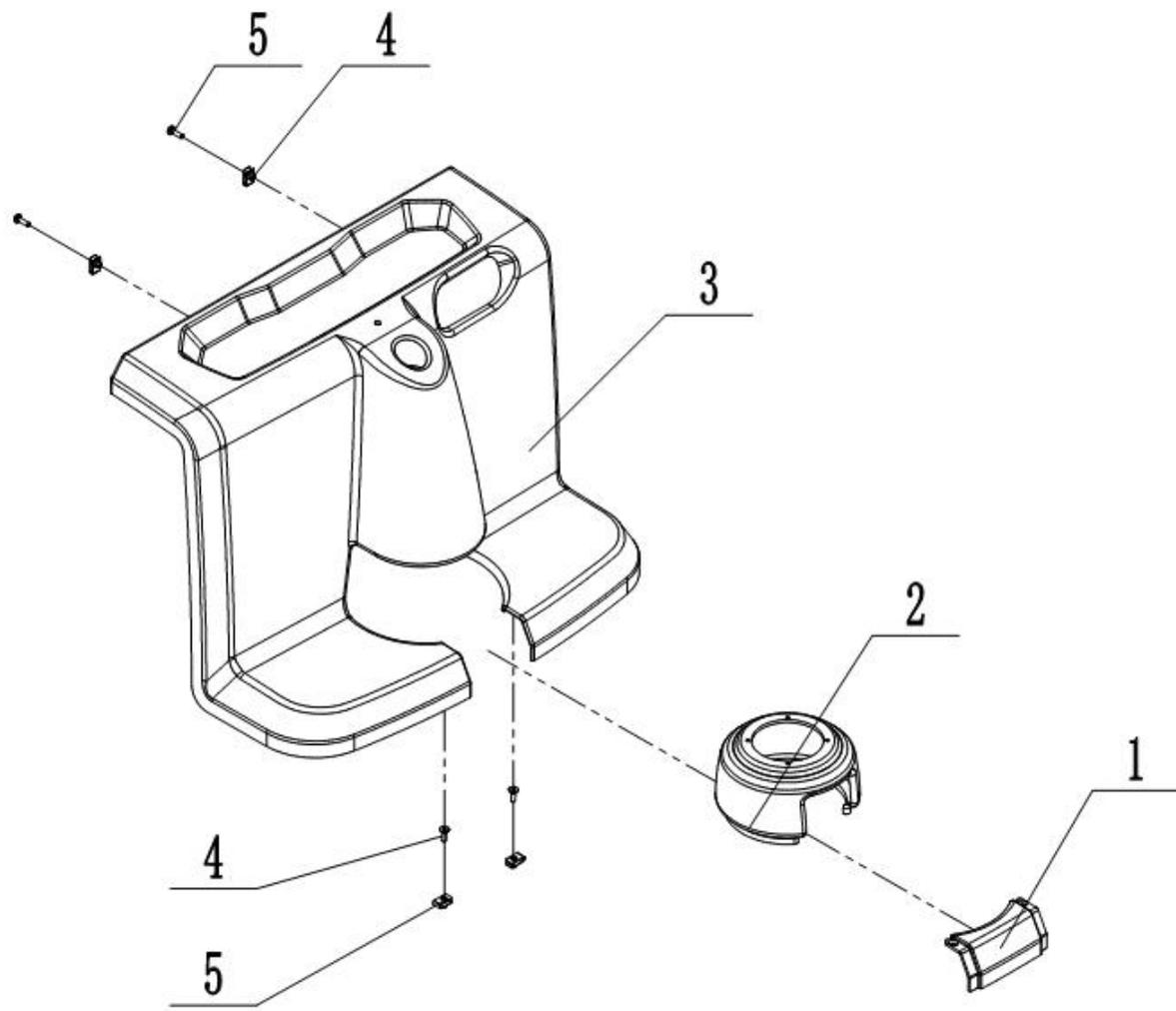
序号 Index	代码 Part No.	零件名称	Part Name	数量 Qty	适用日期 Applied Date	备注 Remark
1	20106060077	车脚焊合右	Right Welded Foot Assembly	1		
2	72902200001	带肩复合衬套 20*23*15/30	Composite bush with shoulder	2		
3	70101200019	连接销φ20*118	Connecting Pin	1		
4	75103010004	轮架	Roller carrier	1		
5	50801200002	深沟球轴承6204-2RS	Deep groove ball bearing	4		
6	71501010001	直轮φ80*70	Load wheel	2		
7	70101200035	小轮轴φ20*100	Small Wheel Axle	2		
8	50601050006	弹性圆柱销φ5*35	Spring column pin	2		
9	50221050005	内六角平端紧定螺钉 M5*16	Hexagon flat head tighten screw	1		

## 1.4 泵站总成 || Pump Station Assembly



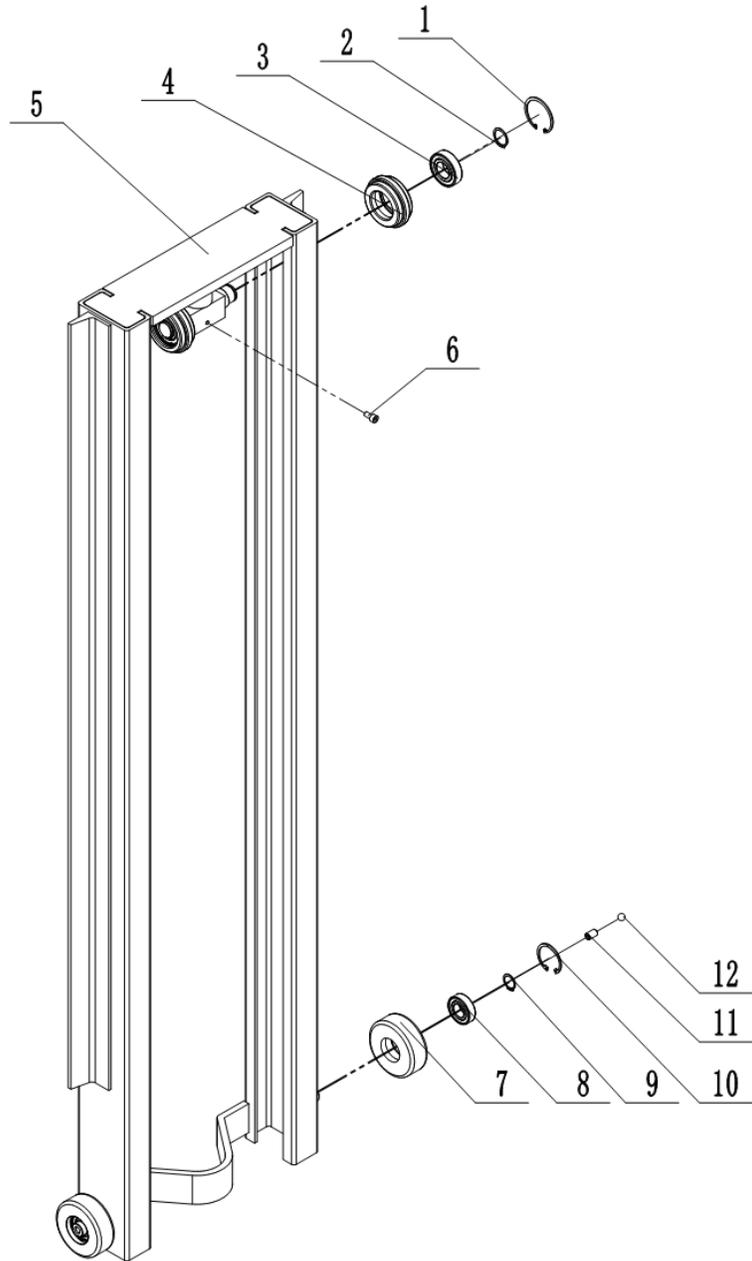
序号 Index	代码 Part No.	零件名称	Part Name	数量 Qty	适用日期 Applied Date	备注 Remark
1	A5021102115	液压单元总成	Hydraulic unit assembly	1		
2	A7060355022	线缆	Wiring	1		
3	A6162607023	接触器	Contactor	1		
4	A6162603020	十字盘头螺钉	Phillips head screw	2		
5	A6163101035	止退阀	Retreat stopping valve	1		
6	A7060621069	电磁阀	Electromagnetic valve	1		
7	A6165102014	节流阀	Restrictor valve	1		
8	A7010110018	阀块	Valve block	1		
9	A6165109074	安全阀	Secure valve	1		
10	A7060901034	回油管	Oil return pipe	1		
11	A5020120014	连接轴	Connecting axle	1		
12	A7010110019	齿轮泵	Gear pump	1		
13	A6019001063	垫片	Washer	2		
14	A7900301033	内六角螺钉	Socket head cap screw	2		
15	A8090124014	连接器	Connector	1		
16	A7310207918	吸油管	Oil suction pipe	1		
17	A6117101614	过滤网	Filter mesh	1		
18	A6163601015	油箱盖	Tank cap	1		
19	A5050103013	油箱	Oil box	1		
20	A5010112026	弹性垫圈	Resilient washer	4		
21	A5050103014	外六角螺钉	Outer hexagonal bolt	4		
22	A5010112027	直流电机	DC motor	1		

## 1.5 覆盖件总成 || Cover Assembly



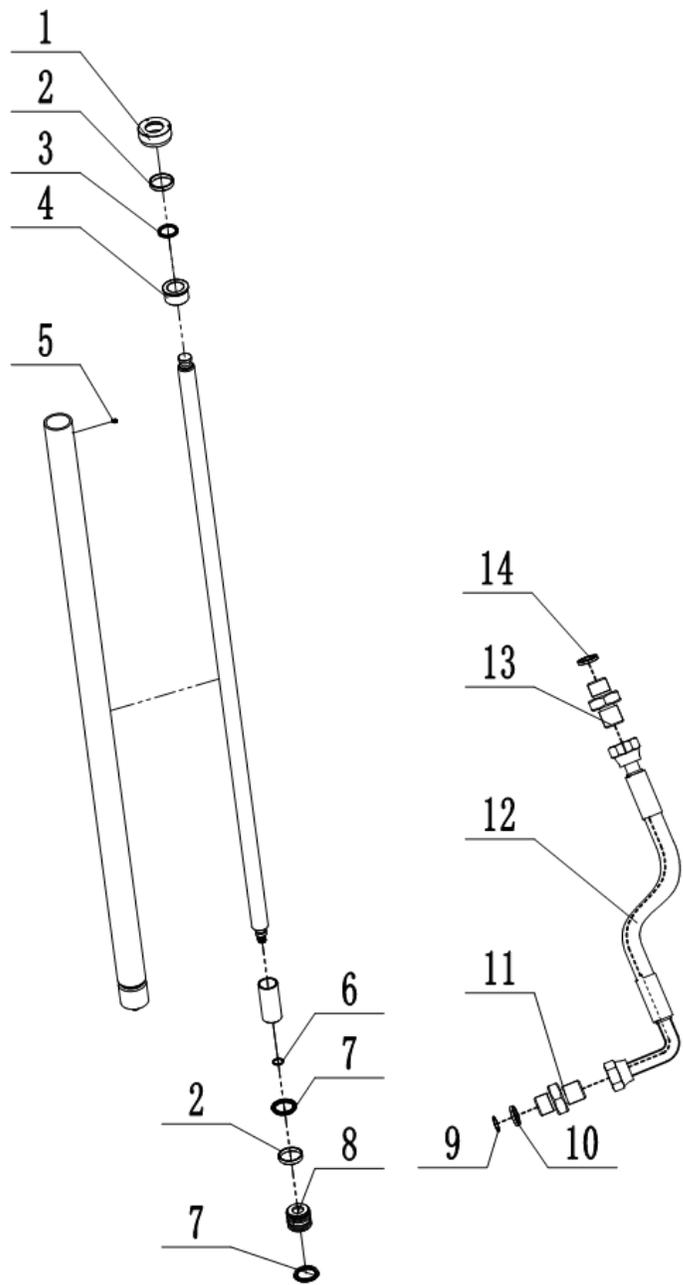
序号 Index	代码 Part No.	零件名称	Part Name	数量 Qty	适用日期 Applied Date	备注 Remark
1	73506010003	面罩封板	Mask Cover Plate	1		
2	73506010002	手柄罩	Handle Cover	1		
3	73506010001	配电箱面罩	Distribution Box Cover	1		
4	70325060001	弹簧卡扣螺母M6	Spring Clip Nut	4		
5	50203060007	内六角沉头螺钉 M6*20	Hexagon socket countersunk head screw	4		

## 2. 内门架总成 || Inner Mast Assembly



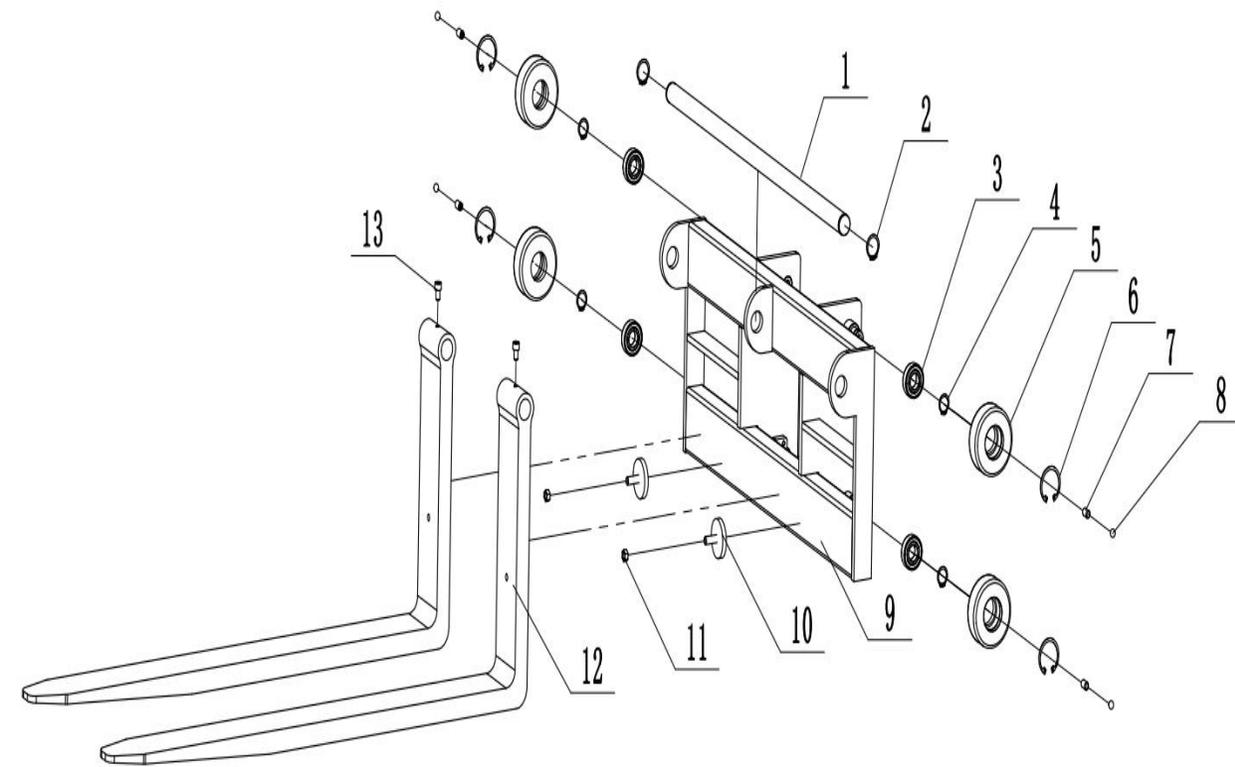
序号 Index	代码 Part No.	零件名称	Part Name	数量 Qty	适用日期 Applied Date	备注 Remark
1	50521622001	孔用弹性挡圈φ62	Hole-use resilient washer	2		
2	50521301001	轴用弹性挡圈φ30	Bearing-use circlip	2		
3	50801300002	深沟球轴承6206-2RS	Deep groove ball bearing	2		
4	71103010001	链轮φ94*34	Chain wheel	2		
5	20106060088	内门架焊合	Inner mast weldment	1		3000
	20106060089	内门架焊合	Inner mast weldment	1		3500
	20106060090	内门架焊合	Inner mast weldment	1		3700
6	50201080002	内六角圆柱头螺钉M8*16	Hexagon socket cap screw	2		
7	71101010008	滚轮	Roller	2		
8	50801250008	深沟球轴承6205-2RS	Deep groove ball bearing	2		
9	50521251001	轴用弹性挡圈φ25	Bearing-use circlip	2		
10	50521522001	孔用弹性挡圈φ52	Hole-use resilient washer	2		
11	50221120006	内六角平端紧定螺钉 M12*20*1.5	Hexagon flat head tighten screw	2		
12	79001130001	钢球φ13.5	Steel ball	2		

### 3. 液压系统总成 || Hydraulic System Assembly



序号 Index	代码 Part No.	零件名称	Part Name	数量 Qty	适用日期 Applied Date	备注 Remark
1	A7010110102	端盖	End Cover	1		
2	73605100002	导向带45x40x10	Guide Strip	2		
3	61171210005	防尘圈φ38*φ46*5/6	Dust proof ring	1		
4	A8371106005	隔套	Spacer Sleeve	1		
5	A5021102104	消声器	Muffler	1		3000
	A6163601014	消声器	Muffler	1		3500
	A6162603019	消声器	Muffler	1		3700
6	61171010009	O型圈D25x2.4	O-ring	1		
7	61171110006	密封圈φ45*φ55*6	Seal ring	2		
8	A6162603006	活塞	Piston	1		
9	61171010019	O型圈8.5*1.8	O-ring	1		
10	60622140001	丁腈半包组合垫φ14	NBR Half-Encapsulated Combination Gasket	1		
11	60601010015	油管接头 M14*1.5(74°)/M14*1.5	Oil pipe joint	1		
12	60101010037	D8l*400/曲直	Oil pipe	1		
13	60601010007	油管接头 M14*1.5(74°)-G3/8	Oil pipe joint	1		
14	60622160001	丁腈半包组合垫φ16	NBR Half-Encapsulated Combination Gasket	1		

## 4. 托盘架总成 || Pallet Rack Assembly



序号 Index	代码 Part No.	零件名称	Part Name	数量 Qty	适用日期 Applied Date	备注 Remark
1	70101320001	长轴φ32*896	Long Shaft	1		
2	50521321001	轴用弹性挡圈φ32	Bearing-use circlip	2		
3	50801250008	深沟球轴承6205-2RS	Deep groove ball bearing	4		
4	50521251001	轴用弹性挡圈φ25	Bearing-use circlip	4		
5	71101010008	滚轮	Roller	4		
6	50521522001	孔用弹性挡圈φ52	Hole-use resilient washer	4		
7	50221120006	内六角平端紧定螺钉 M12*20*1.5	Hex socket set screw with flat point	4		
8	79001130001	钢球φ13.5	Steel ball	4		
9	20106060060	托盘架焊合件	Welded Pallet Rack Assembly	1		
10	77706030011	调整垫焊合	Adjustable Shim Weldment	2		
11	50301100001	六角螺母M10	Hex nut	2		
12	72601010006	串杆锻打货叉	Forged Tine Bar with Cross Rod	2		
13	50201100002	内六角圆柱头螺钉 M10*16	Hexagon socket cap screw	2		

