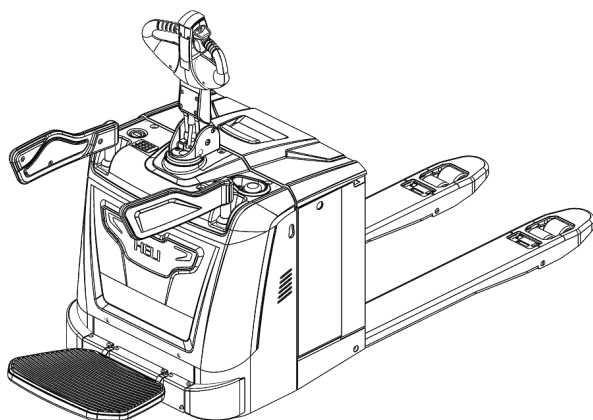




零件目录 parts manual

CBD20/25/30-URD

宁波力达物流设备有限公司

NINGBO LIFTSTAR MATERIAL HANDLING EQUIPMENT CO., LTD

前言

1.使用

本手册所列的为461型号车辆的维修零件，包括电气、驱动、转向、车架、附件和选用配件等

2. 车辆识别

在车辆的显著位置固定有车辆铭牌，在该铭牌上显示有产品的型号、车辆的序列号和制造日期，这些信息是该车辆的识别信息。

3.零件如何订购

当要订购零件时，您的订单须指明其车辆的型号、车辆序列号、数量、零件的物料号及所需零件名称，如对有关零件的物料号有疑问时，请及时告知您的经销商，并对所需项目做完整的

4.如何使用本手册

本零件手册包括该车各部分或总装图，这些图纸包括标准件和附件。

在每个图中标注了零件序号和零件名称，并提供了附加信息。

每个爆炸图代表是一个部件，其罗列的零件是其部件的可维修零件。

5.叉车变更的未通报

后续的改进和产品设计的改进可能导致零件手册的变化，没有体现本手册中。

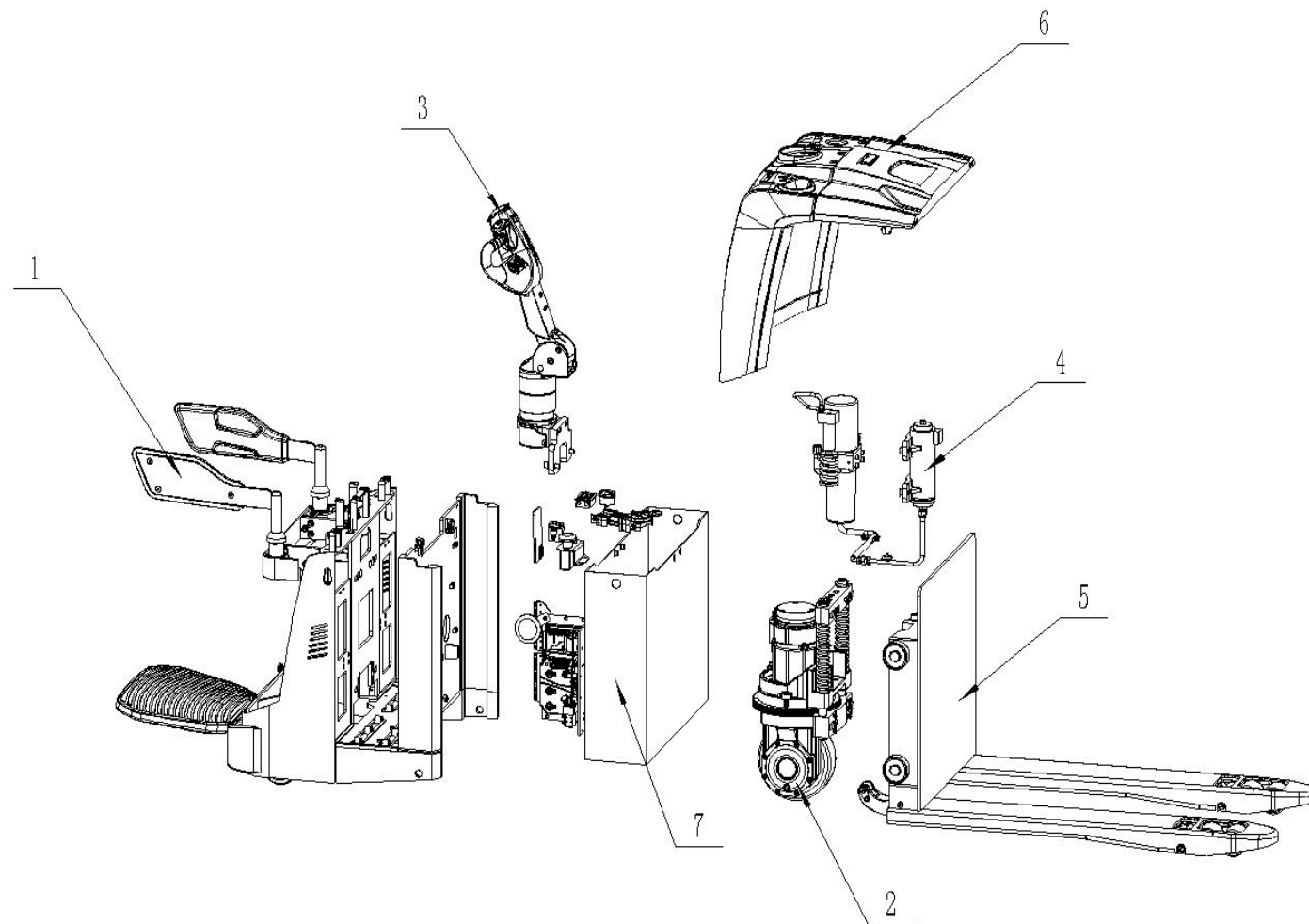
目录/index

索引号 Index number	力达图号 drawing number	合力图号 drawing number	名称 name	ERP号 ERP number	页码 page number
0.0	461-000	T1PJ0-00001	总装 Final assembly		
1.0	461-400	T1PJ6-10001	车架总成 frame assembly		
1.1	461-404	T1PJ6-60001	踏板总装 Pedal assembly		
1.2	75-350G	T1PJ4-50001	平衡轮总成 Balancing wheel assembly		
1.3	73-492	T1PJ6-10111	气弹簧装配 Assembly of Gas Spring		
1.4	461-409A	T1PJ6-60051	扶手总成 Armrest assembly		
1.4.1	461-415A	T1PJ6-61081	右护臂装配组件 Right protective arm assembly assembly		
1.4.2	461-415	T1PJ6-61121	左护臂装配组件 Left protective arm assembly assembly		
2.0	461-200	T1PJ1-00001	驱动系统 driving system		
2.1	T-WW-004		变速箱总成 Transmission assembly		
2.1.1			齿轮箱总成 Gearbox assembly		
3.0	461-100	T1PJ5-80001	操纵系统 control system		
3.1	47-WW-001B	T1PJ5-80011	智能手柄总成 Smart Handle Assembly		
4.0	461-300	T1PJ7-60011	液压系统 Hydraulic system		
5.0	461-500	HRT1PJ8001	起重系统 Lifting system		

5.1	461-504	T1PJ4-40001	长连杆组件 Long connecting rod assembly		
6.0	461-600	T1PJ6-40001	覆盖件系统 Covering system		
7.0	461-800	T1PJ2-40001	电气系统 electrical system		
7.1	461-801	T1PJ2-40011	电控总成(前拓) Electric control assembly (front extension)		

T1PJ0-00001 总装/Final assembly

461-000 总装/Final assembly

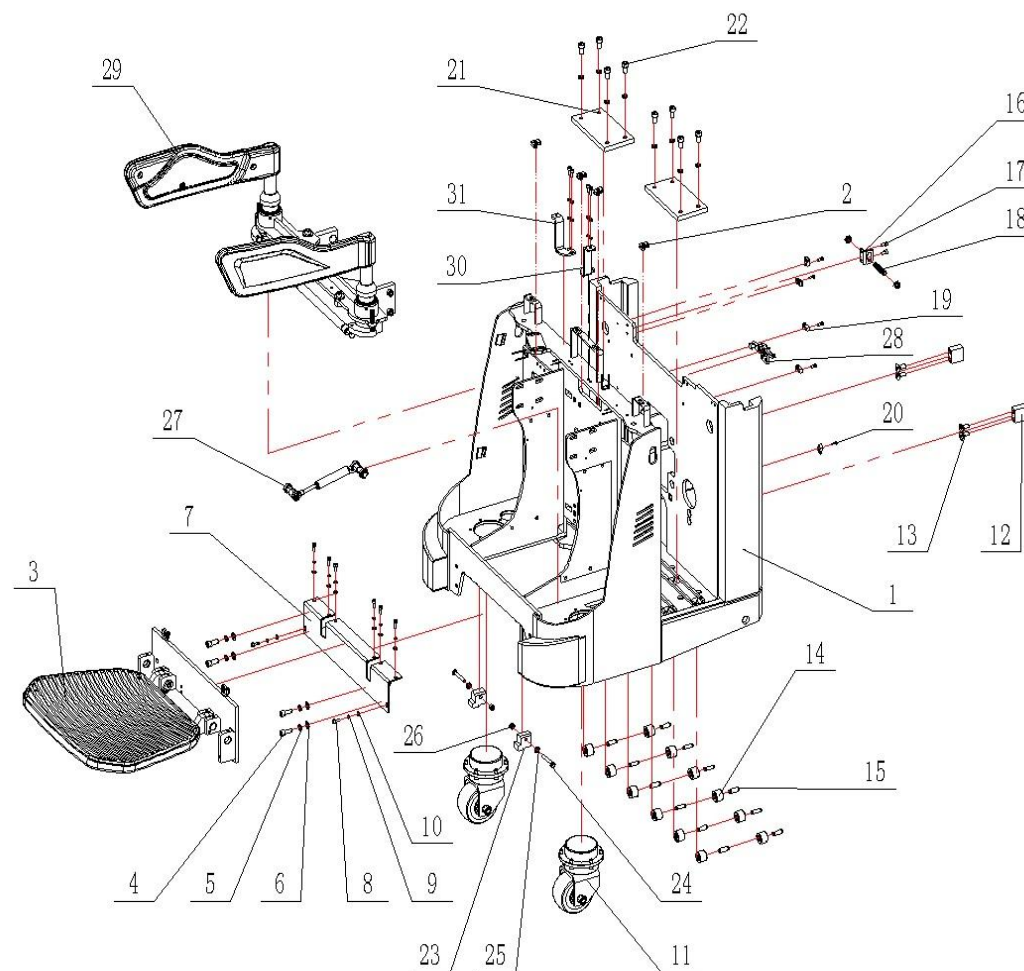


注释	序号	力达图号	合力图号		Erp号	名称	规格型号	数量	备注
Note	Item No	Drawing NO.	Drawing NO.		Part NO.	Part name	Spec.	Q'ty	Remarks
Y	1	461-400	T1PJ6-10001			车架总成 frame assembly		1	见1.0
Y	2	461-200	T1PJ1-00001			驱动系统 driving system		1	见2.0
Y	3	461-100	T1PJ5-80001			操纵系统 control system		1	见3.0
Y	4	461-301	T1PJ7-60011			液压系统 Hydraulic system		2	见4.0
Y	5	461-500	T1PJ8-00001			起重系统 lifting system		1	见5.0
Y	6	461-600	T1PJ6-40001			覆盖件系统 Covering system		1	见6.0
Y	7	461-800A	T1PJ2-40001			电气系统 electrical system		2	见7.0

1.0车架总成

T1PJ6-10001 车架总成/frame assembly

461-400 车架总成/frame assembly

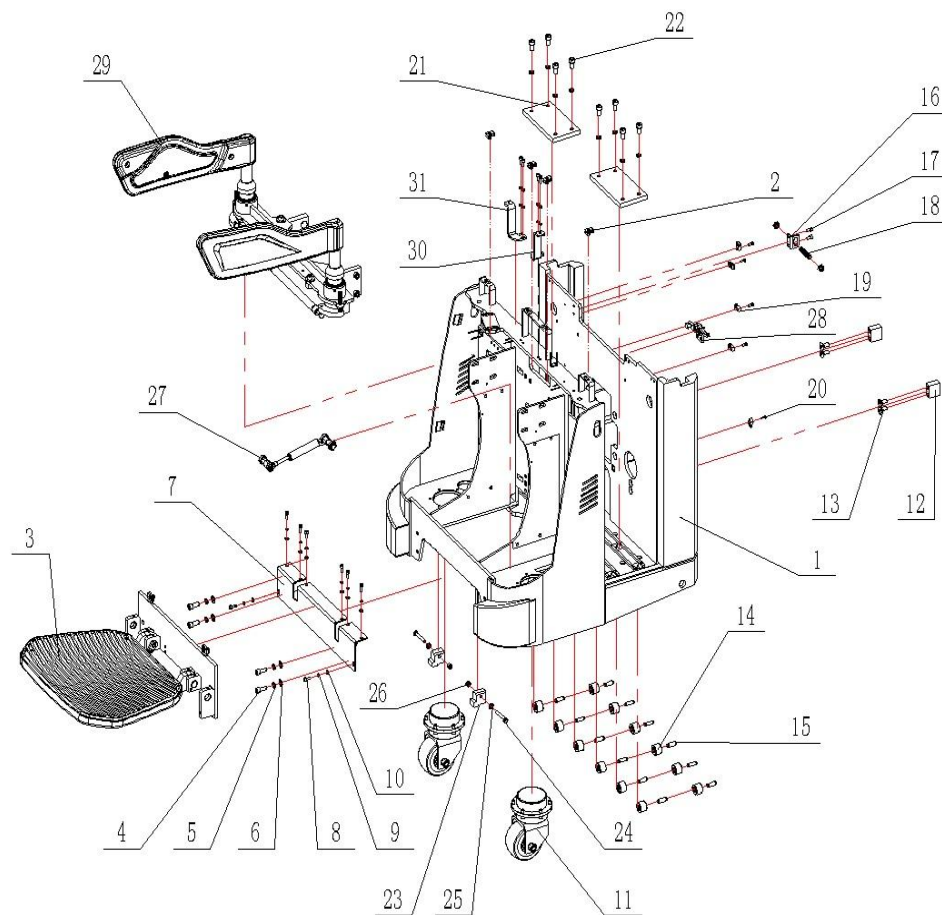


1.0车架总成

注释	序号	力达图号	合力图号		Erp号	名称	规格型号	数量	备注
Note	Item No	Drawing NO.	Drawing NO.		Part NO.	Part name	Spec.	Q'ty	Remarks
	1	461-401	T1PJ6-10011			前车架 Front frame		1	
	2	461-MM-004	QC／T 608 - 2011			B型板簧螺母M8 B-type leaf spring nut M8		4	
Y	3	461-404	T1PJ6-60001			踏板总装 Pedal assembly		1	见1.1
	4	52-MM-010	B8030-10025			内六角圆柱头螺钉M10×25 Hexagon socket head cap screw M10×25		4	
	5	T-MM-049	B5050-00010			弹垫10 Spring pad 10		12	
	6	T-MM-044	B5310-00010			内六角圆柱头螺钉M6×16 Hexagon socket head cap screw M6×16		4	
	7	461-408	T1PJ6-10101			踏板外罩 Pedal cover		1	
	8	E-MM-027	B8030-06016			内六角圆柱头螺钉M6×16 Hexagon socket head cap screw M6×16		12	
	9	T-MM-047	B5050-00006			弹垫6 Spring pad 6		12	
	10	T-MM-043	B5310-00006			平垫圈6 Flat washer 6		12	
Y	11	73-350G	T1PJ4-50001			平衡轮总成 Balancing wheel assembly		2	见1.2
	12	46-442	T1PJ6-12341			限位块 Limit block		2	
	13	43-MM-038	B8070-10025			内六角沉头螺钉M10×25 Hexagon socket countersunk head screw M10×25		4	
	14	92-419B	T1PJ6-12351			滚轮 Roller		12	
	15	46-448B	T1PJ6-12361			滚轮轴 Roller shaft		12	
	16	461-438	T1PJ6-12371			升降限位开关安装座 Installation base for lifting limit switch		1	

1.0车架总成

T1PJ6-10001 车架总成/frame assembly 461-400 车架总成/frame assembly



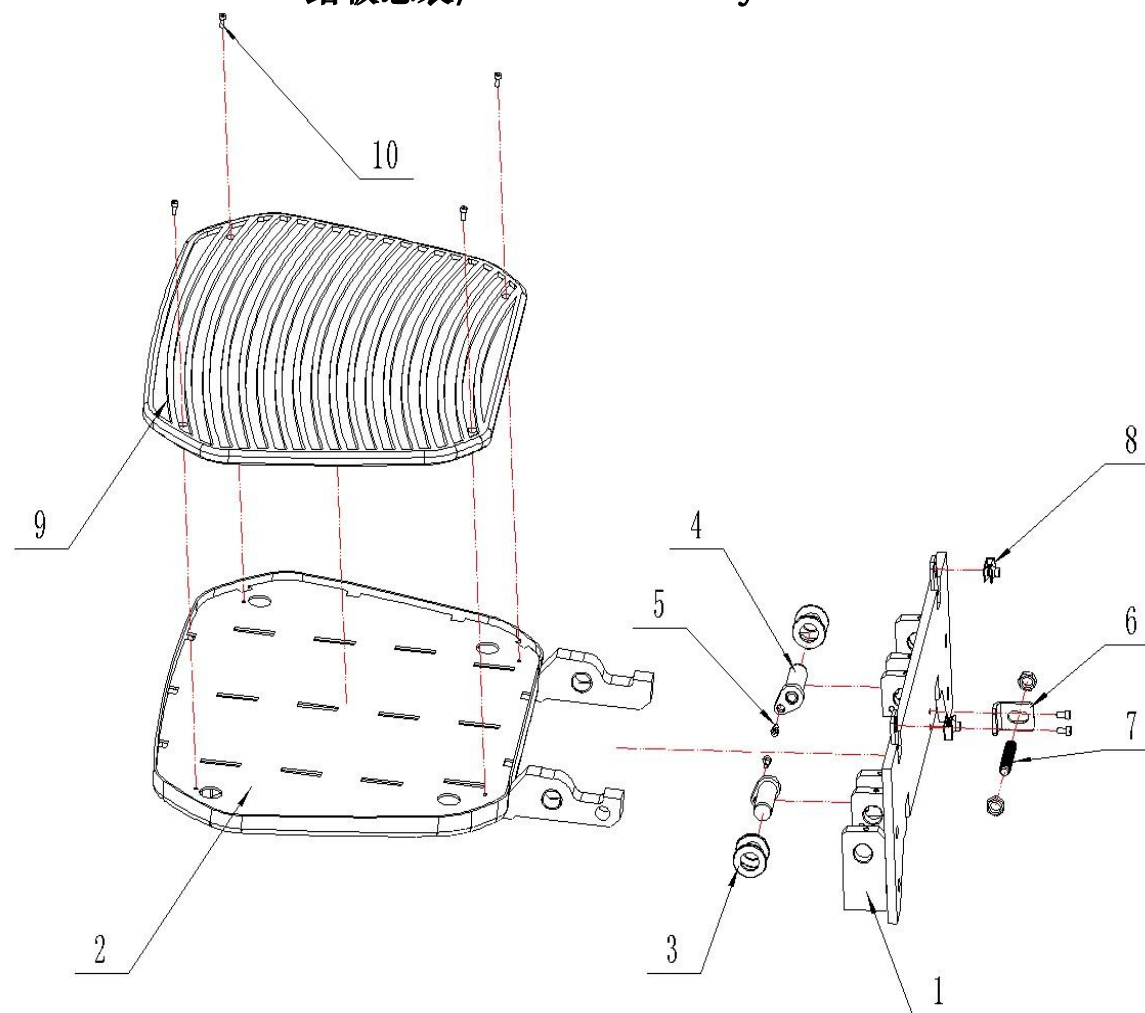
1.0车架总成

注释	序号	力达图号	合力图号		Erp号	名称	规格型号	数量	备注
Note	Item No	Drawing NO.	Drawing NO.		Part NO.	Part name	Spec.	Q'ty	Remarks
	17	03-MM-002	B8030-06012			内六角圆柱头螺钉M6×12 Hexagon socket head cap screw M6×12		2	
	18	T-MM-392A	T1PJ2-40031			接近开关 Proximity switch		1	
	19	28-513	T1PJ2-42281			压线板 Crimping plate		5	
	20	T-MM-024	B8070-05016			内六角沉头螺钉 M5x16 Hexagon socket countersunk head screw M5x16		5	
	21	46-460	T1PJ6-12381			滑板 chute board		2	
	22	T-MM-018	B8030-10020			内六角圆柱头螺钉M10×20 Hexagon socket head cap screw M10×20		8	
	23	461-484	T1PJ6-12391			踏板减震块 Pedal damping block		2	
	24	F-MM-024	B0230-08055			六角头螺栓M8×55 Hexagonal head bolt M8×55		2	
	25	T-MM-043	B5310-00008			平垫圈8 Flat washer 8		2	
	26	T-MM-034	B7720-00008			非金属嵌件六角锁紧螺母M8 Hexagon lock nut M8 with non-metallic insert		2	
Y	27	73-492	T1PJ6-10111			气弹簧装配 Assembly of Gas Spring		1	见1.3
	28	471-803	T1R02-40031			电池快夹 Battery quick clip		1	
Y	29	461-409	T1PJ6-60051			扶手总成 Armrest assembly		1	见1.4
	30	461-630	T1PJ6-42111			手柄前罩安装板1 Handle front cover mounting plate 1		1	
	31	461-631	T1PJ6-42121			手柄前罩安装板2 Handle front cover mounting plate 2		1	

1.1踏板总装

T1PJ6-60001 踏板总装/Pedal assembly

461-404 踏板总装/Pedal assembly



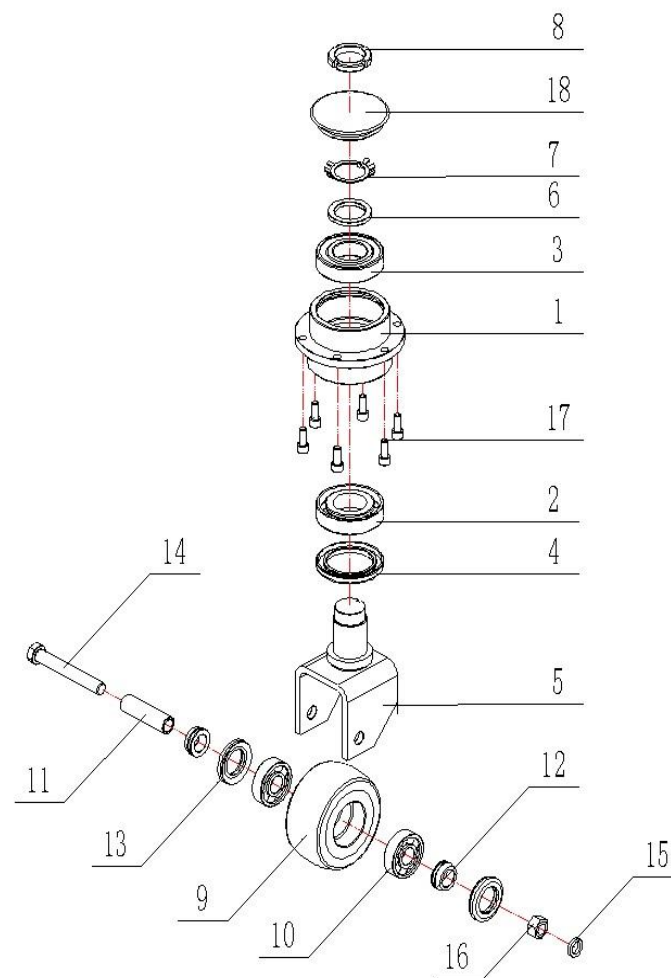
1.1踏板总装

注释	序号	力达图号	合力图号		Erp号	名称	规格型号	数量	备注
Note	Item No	Drawing NO.	Drawing NO.		Part NO.	Part name	Spec.	Q'ty	Remarks
	1	461-405	T1PJ6-60011			踏板安装架 Pedal mounting bracket		1	
	2	461-406	T1PJ6-60021			踏板焊合 Pedal welding		1	
	3	E-MM-005	B5410-00020			平垫圈倒角型A级20×3 Flat washer chamfered type Grade A 20×3		4	
	4	461-407	T1PJ6-60031			踏板销轴 Pedal pin shaft		2	
	5	56-MM-017	B8030-06016			内六角螺钉M6*16 Hexagon socket screw M6*16		4	
	6	461-461	T1PJ6-62121			接近开关安装板 Proximity switch mounting plate		1	
	7	T-MM-392A	T1PJ2-40031			接近开关 Proximity switch		1	
	8	461-MM-004	QC／T 608 - 2011			B型板簧螺母M8 B-type leaf spring nut M8		2	
	9	461-488	T1PJ6-60041			橡胶垫 Rubber pad		1	
	10	T-MM-648	B8030-04010			内六角圆柱头螺钉M4X10 Hexagon socket head cap screw M4X10		4	

1.2平衡轮总成

T1PJ4-50001 平衡轮总成/Balancing wheel assembly

73-350G 平衡轮总成/Balancing wheel assembly



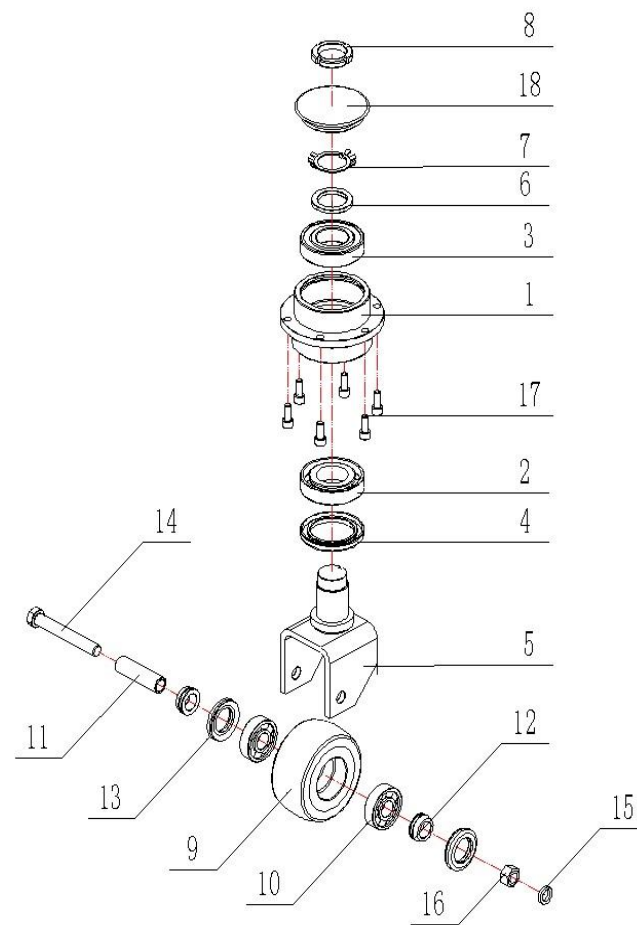
1.2平衡轮总成

注释	序号	力达图号	合力图号	Erp号	名称	规格型号	数量	备注	
Note	Item No	Drawing NO.	Drawing NO.		Part NO.	Part name	Spec.	Q'ty	Remarks
	1	73-356G	T1PJ4-52001			万向轮轮架 Universal wheel frame		1	
	2	43-MM-070	Z-7208B			角接触球轴承 Angular contact ball bearing		1	
	3	73-MM-013	Z-6208			深沟球轴承 Deep Groove Ball Bearing		1	
	4	73-MM-001	GB/T 13871.1-2007			唇形密封圈B型 Lip shaped sealing ring B-type		1	
	5	73-357	T1PJ4-50011			万向轮支架焊接件 Universal wheel bracket welding parts		1	
	6	73-448	T1PJ4-52031			垫圈 grommet		1	
	7	43-MM-009	B5512-00036			圆螺母用止动垫圈36×1.5 Lock washers for round nuts 36 ×1.5		1	
	8	43-MM-008	B4732-00036			小圆螺母M36×1.5 Small round nut M36 × 1.5		1	
	9	24-407-1	T1PJ4-52041			万向轮 Universal wheel		1	
	10	MM-002	Z-6304			深沟球轴承 Deep Groove Ball Bearing		2	
	11	B413-5	T1PJ4-52051			螺轴套 Screw sleeve		1	
	12	23-444	T1PJ4-52061			防尘圈挡套 Dust ring retaining sleeve		2	
	13	MM-046	T1PJ4-52071			橡胶防尘圈 Rubber dust ring		2	
	14	73-MM-012A	B0440-14105			六角头螺栓M14×1.5×105 Hexagonal head bolt M14×1.5×105		1	
	15	T-MM-643	B5050-00014			弹垫14 Spring pad 14		1	
	16	T-MM-642	B4223-00014			六角螺母M14X1.5 Hexagon nut M14X1.5		1	

1.2平衡轮总成

T1PJ4-50001 平衡轮总成/Balancing wheel assembly

73-350G 平衡轮总成/Balancing wheel assembly



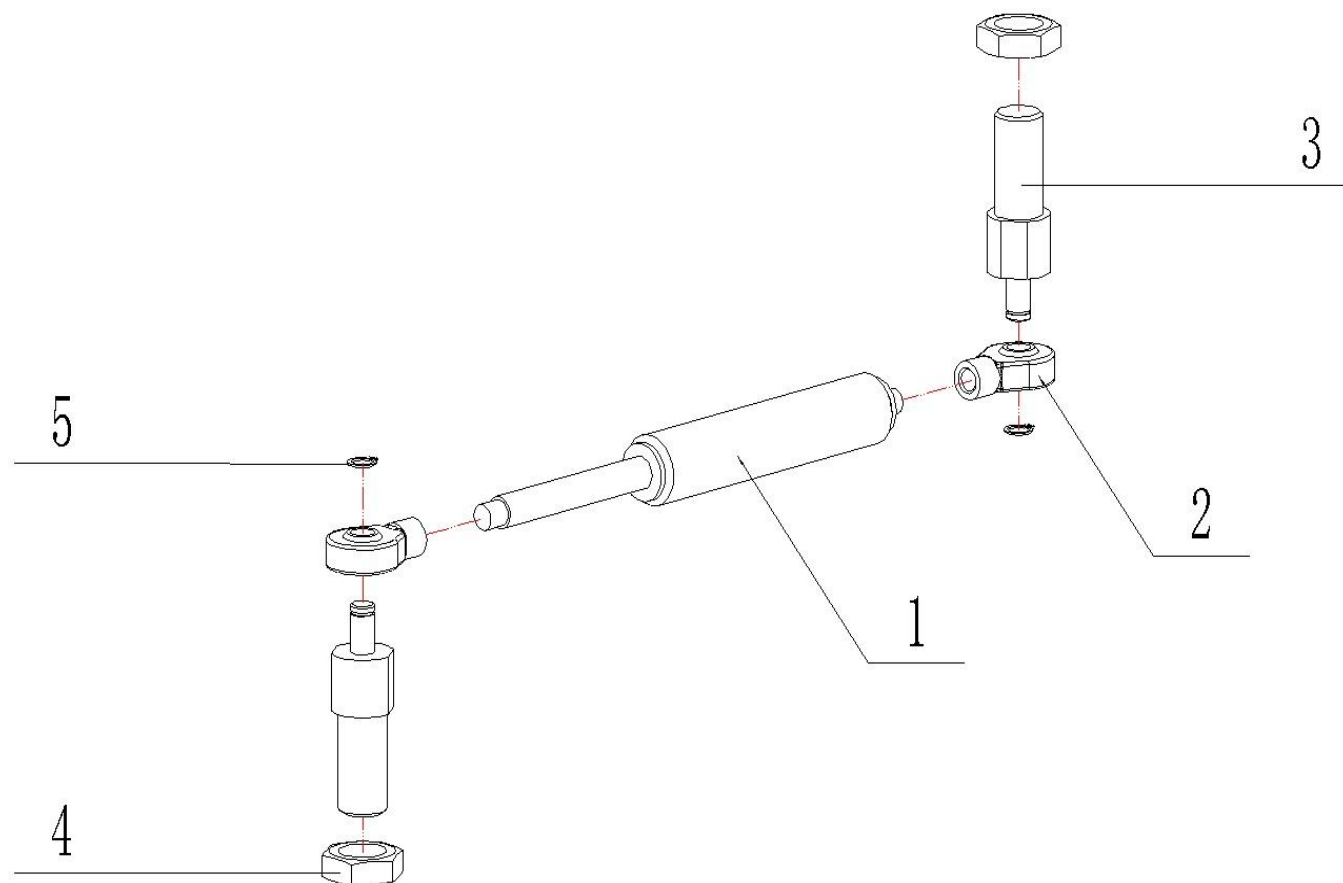
1.2平衡轮总成

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1.3气弹簧装配

T1PJ6-10111 气弹簧装配/Assembly of Gas Spring

73-492 气弹簧装配/Assembly of Gas Spring



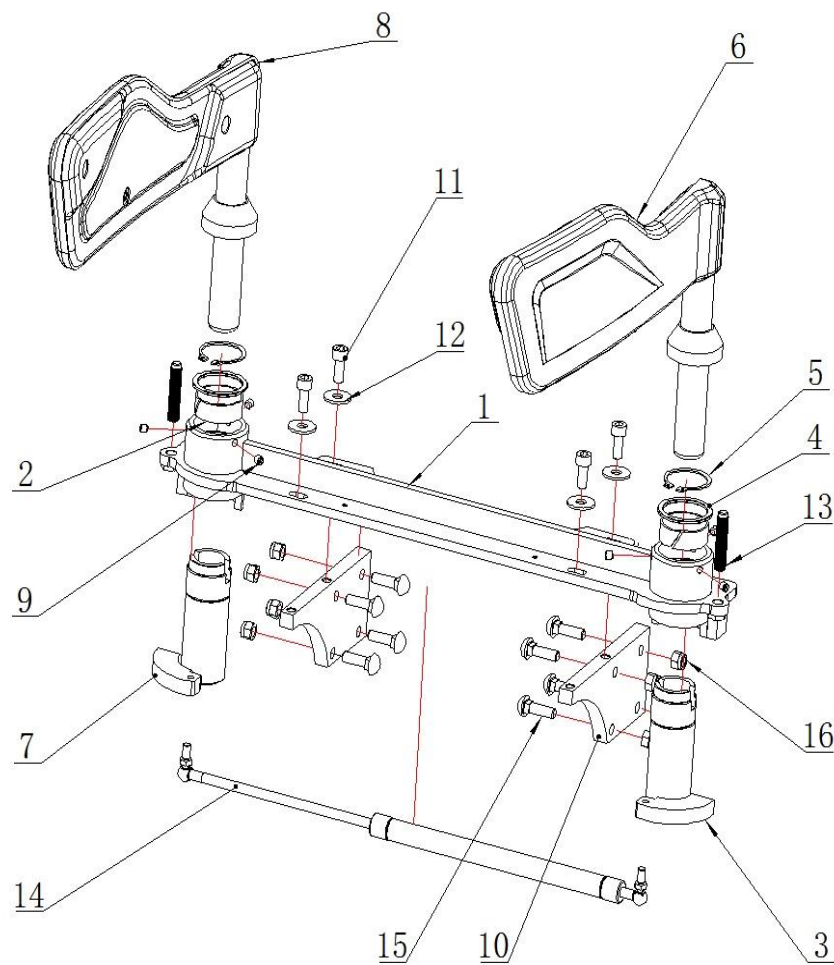
1.3气弹簧装配

注释	序号	力达图号	合力图号		Erp号	名称	规格型号	数量	备注
Note	Item No	Drawing NO.	Drawing NO.		Part NO.	Part name	Spec.	Q'ty	Remarks
	1	D123K-3A	T1PJ6-12401			踏板气弹簧 Pedal Gas Spring		1	
	2	D123H	T1PJ6-12411			气弹簧接头 Gas Spring connector		2	
	3	73-492-2	T1PJ6-12421			气弹簧固定螺钉 Gas Spring fixing screw		2	
	4	34-MM-002	B4430-00016			六角薄螺母M16×1.5 Hexagon thin nut M16×1.5		2	
	5	T-MM-252	B6150-00008			轴用弹性挡圈8 Elastic retaining ring for shaft 8		2	

1. 4扶手总成

T1PJ6-60051 扶手总成/Armrest assembly

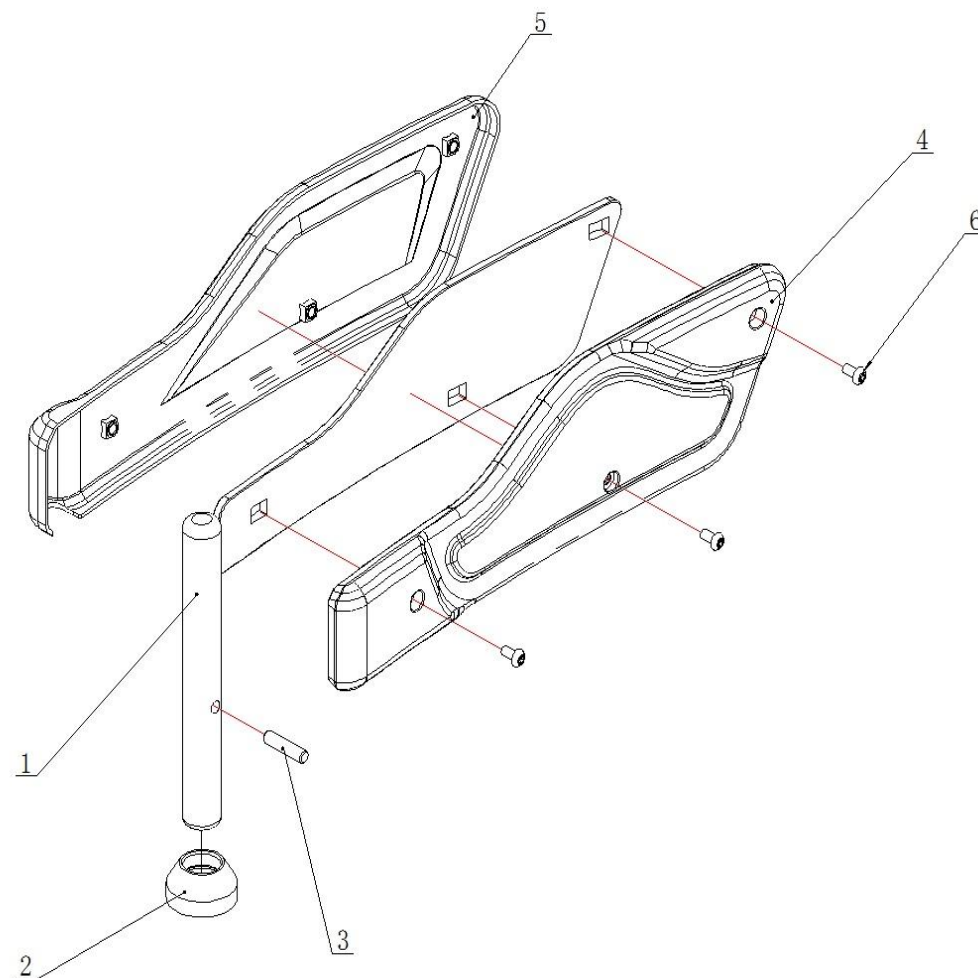
461-409 扶手总成/Armrest assembly



1.4扶手总成

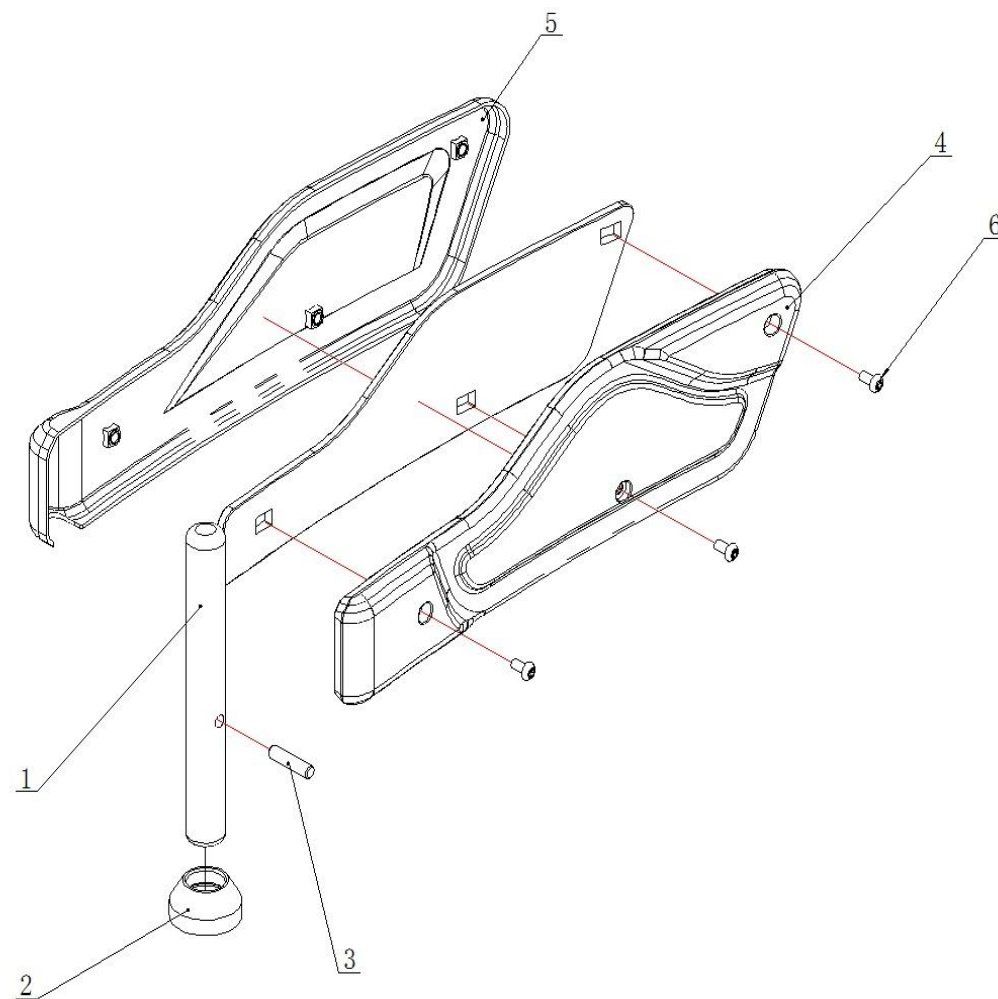
注释	序号	力达图号	合力图号	Erp号	名称	规格型号	数量	备注	
Note	Item No	Drawing NO.	Drawing NO.		Part NO.	Part name	Spec.	Q'ty	Remarks
	1	461-410	T1PJ6-60061			护臂安装座 Arm guard installation seat		1	
	2	03-726	T1PJ6-62181			支撑环 SUPPORT RING		2	
	3	461-411	T1PJ6-60071			护臂连接套(右) Arm guard connecting sleeve (right)		1	
	4	03-MM-010	T1PJ6-62211			保护臂隔圈 Protective arm spacer		2	
	5	461-417	B6150-00048			轴用弹性挡圈48 Elastic retaining ring for shaft 48		2	
Y	6	461-415A	T1PJ6-61081			右护臂装配组件 Right protective arm assembly assembly		1	
	7	461-412A	T1PJ6-60111			护臂连接套(左) Arm guard connecting sleeve (left)		1	
Y	8	461-415	T1PJ6-61121			左护臂装配组件 Left protective arm assembly assembly		1	
	9	55-MM-016	B1830-08008			内六角平端紧定螺钉M8×8 Hexagon socket flat end set screw M8×8		6	
	10	461-481	T1PJ6-62291			扶手安装板 Armrest mounting plate		2	
	11	52-MM-010	B8030-10025			内六角圆柱头螺钉M10×25 Hexagon socket head cap screw M10×25		4	
	12	E513	B5210-00010			大垫圈10 Large washer 10		4	
	13	T-MM-392A	T1PJ2-40031			接近开关 proximity switch		2	
	14	43-MM-018	T1PJ6-60151			护臂气弹簧总成 Arm guard gas spring assembly		1	
	15	46-MM-001	GB/T 12-1988			半圆头方颈螺栓M10×35 Half round head square neck bolt M10×35		8	
	16	MM-072	B7720-00010			1型非金属嵌件六角锁紧螺母M10 Type 1 non-metallic insert hex lock nut M10		8	

T1PJ6-61081 右护臂装配组件/Right protective arm assembly assembly
461-415A 右护臂装配组件/Right protective arm assembly assembly



注释	序号	力达图号	合力图号		Erp号	名称	规格型号	数量	备注
Note	Item No	Drawing NO.	Drawing NO.		Part NO.	Part name	Spec.	Q'ty	Remarks
	1	461-413	T1PJ6-61101			右护臂焊接件 Right protective arm weldment			
	2	46-701	T1PJ6-62251			手臂套 Arm sleeve			
	3	46-723	T1PJ6-62261			销轴 Pin shaft			
	4	461-476	T1PJ6-61091			右护臂发泡组件 Right protective arm foam component			
	5	461-473	T1PJ6-60091			右护臂盖板焊合 Welding of right protective arm cover plate			
	6	T-MM-009	GB/T 70.2-2000			内六角平圆头螺钉 M8×16 Hexagon socket flat head screw M8×16			

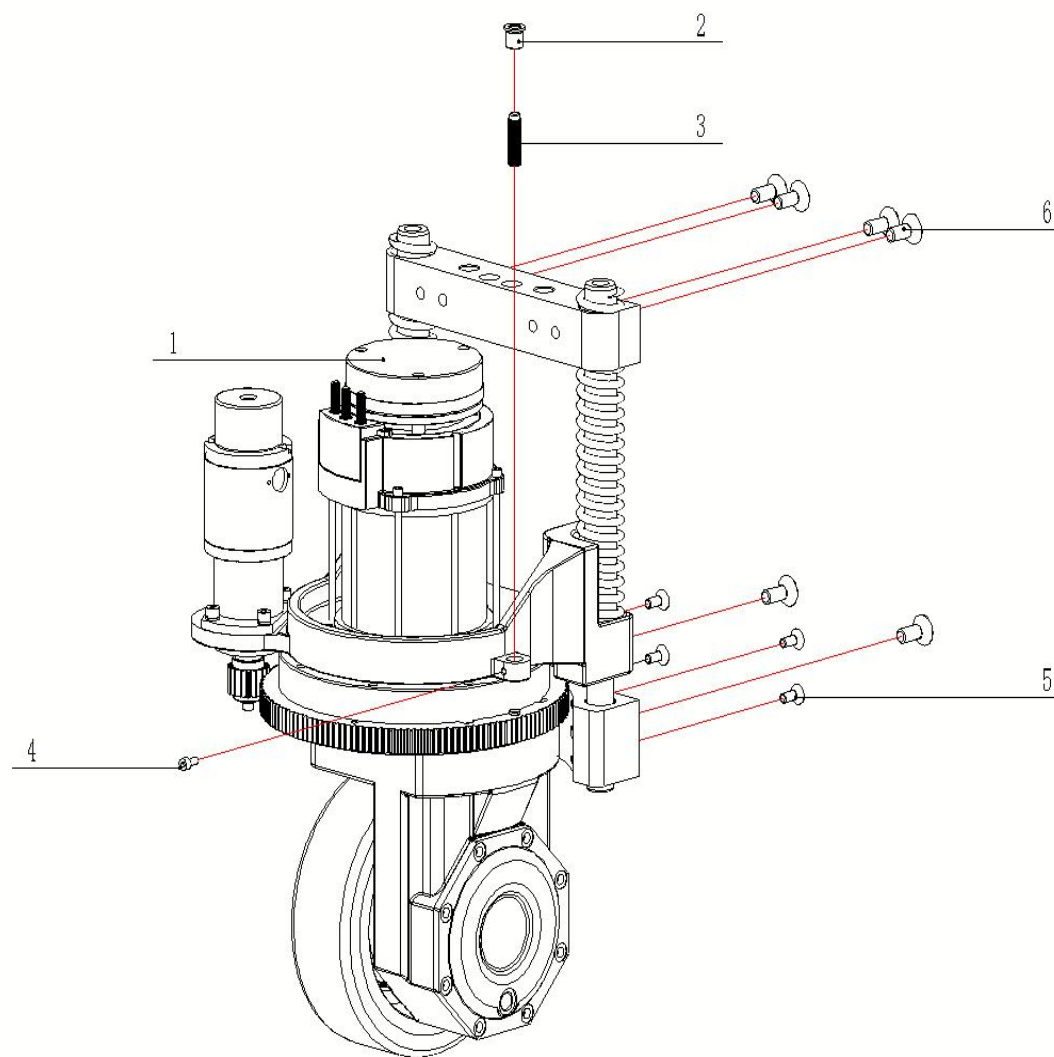
T1PJ6-61121 左护臂装配组件/Left protective arm assembly assembly
461-415 左护臂装配组件/Left protective arm assembly assembly



2.0驱动系统

T1PJ1-00001 驱动系统/driving system

461-100 驱动系统/driving system

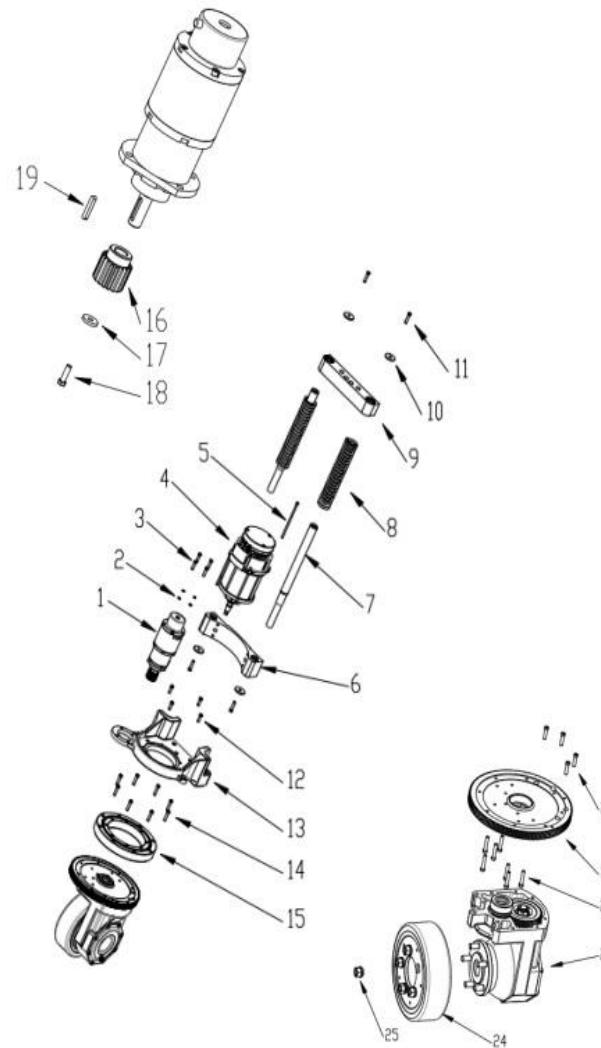


2.0驱动系统

注释	序号	力达图号	合力图号		Erp号	名称	规格型号	数量	备注
Note	Item No	Drawing NO.	Drawing NO.		Part NO.	Part name	Spec.	Q'ty	Remarks
Y	1	T-WW-004	T1PJ1-00011			变速箱总成Transmission assembly		1	见2.1
	2	58-230	T1PJ1-02001			光电开关衬套Photoelectric switch bushing		1	
	3	SK-WW-003	T1PJ2-40051			接近开关Proximity switch		1	
	4	03-MM-002	B8030-06012			内六角圆柱头螺钉M6×12Hexagon socket head cap screw M6 × 12		1	
	5	T-MM-161	B8070-08020			内六角沉头螺钉M8X20Hexagon socket countersunk head screw M8X20		4	
	6	73-MM-009	B8070-12030			内六角沉头螺钉Hexagon socket countersunk head screw		6	

2.1 变速箱总成及转向电机

T-WW-004 变速箱总成&DJ-900 转向电机总成/Transmission assembly&Steering motor assembly

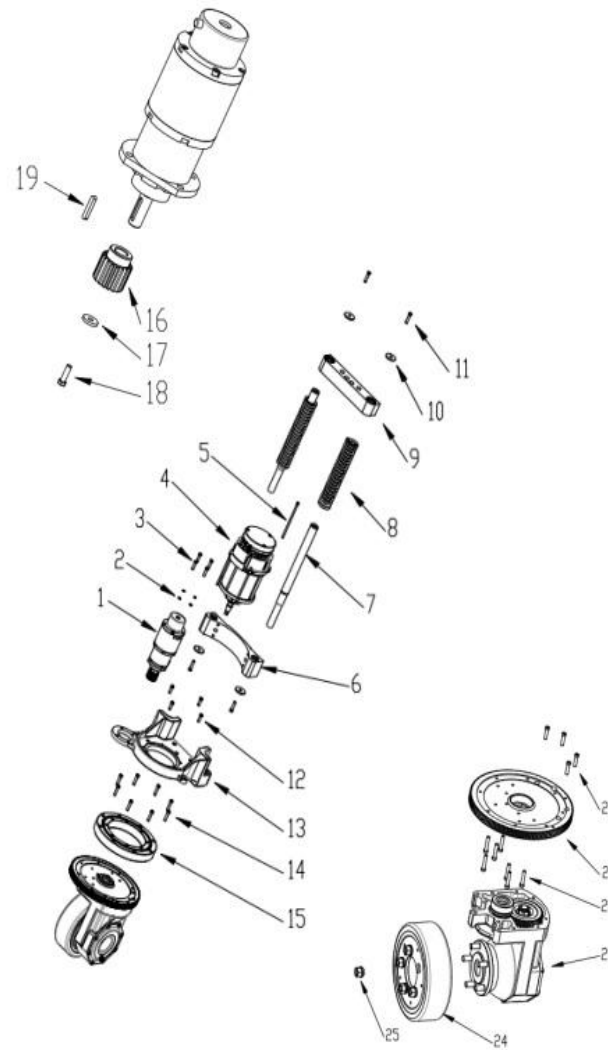


2.1 变速箱总成及转向电机

注释	序号	图号		Erp号	名称	规格型号	数量	备注
Note	Item No	Drawing NO.		Part NO.	Part name	Spec.	Q'ty	Remarks
	1	DJ-500			转向电机总成 Steering motor assembly		1	
	2	T-MM-662			弹性垫圈 Elastic washer		4	
	3	T-MM-012			M8×30内六角螺钉 M8×30 socket head cap screw		4	
	4	03-237			交流电机总成 AC motor assembly		1	
	5	03-263			交流电机加长螺钉 AC motor extension screw		4	
	6	58-205			下浮动档 Lower floating gear		1	
	7	58-203			滑动轴 Sliding axis		2	
	8	58-202B			浮动弹簧 Floating spring		2	
	9	58-201			上浮动档 Upper floating gear		1	
	10	58-207			滑动杆挡圈 Sliding rod retaining ring		4	
	11	58-MM-001			M8×20内六角螺钉 M8×20 Socket Head Cap Screw		4	
	12	MM-066			M8×25内六角螺钉 M8×25 Socket Head Cap Screw		4	
	13	03-207			浮动架 Floating frame		1	
	14	T-MM-239			M8×35内六角螺钉 M8×35 Socket Head Cap Screw		8	
	15	03-205			转向轴承 Steering bearing		1	
	16	55-204			转向小齿轮 Steering Pinion		1	

2.1 变速箱总成及转向电机

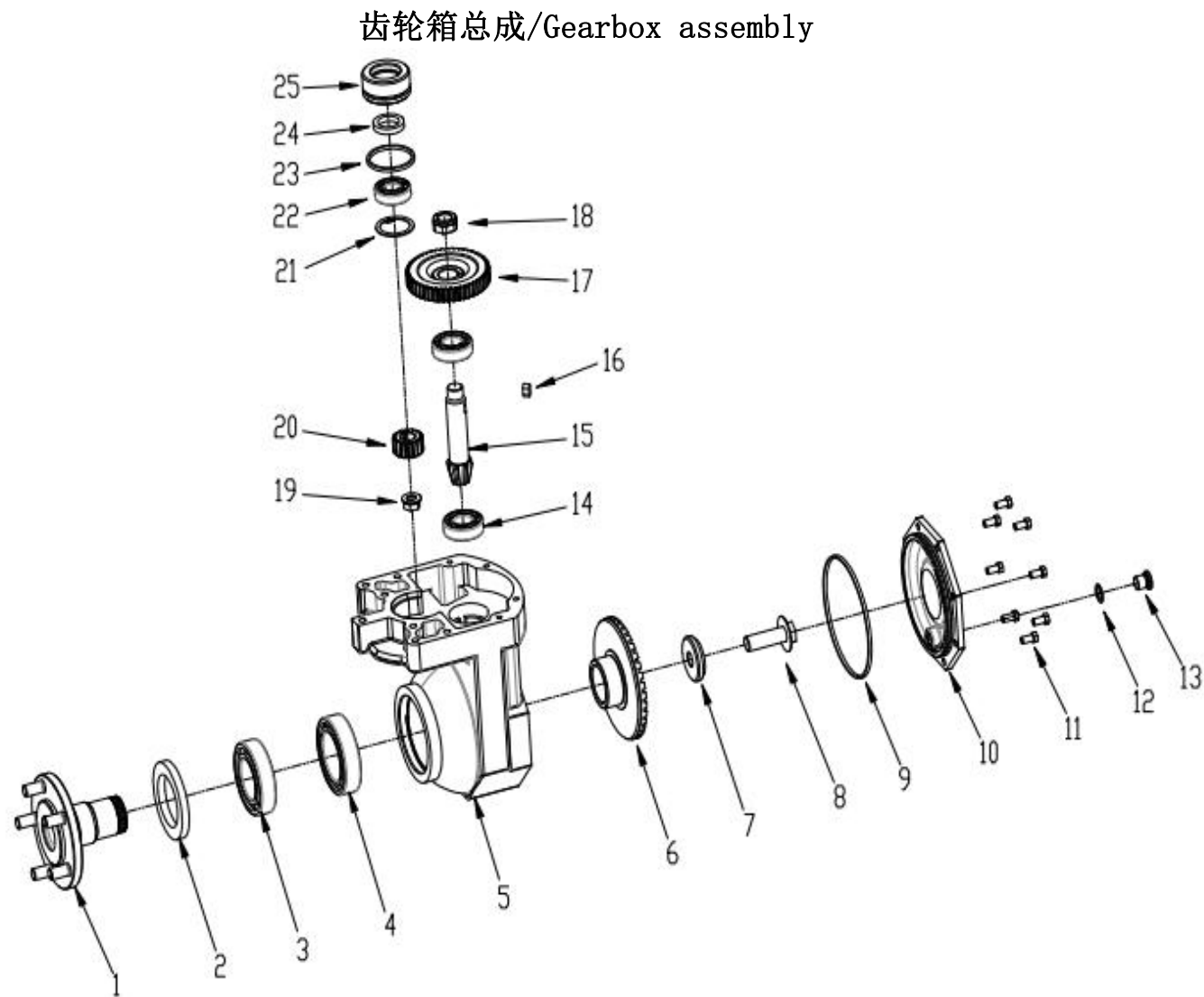
T-WW-004 变速箱总成&DJ-900 转向电机总成/Transmission assembly&Steering motor assembly



2.1 变速箱总成及转向电机

注释	序号	图号		Erp号	名称	规格型号	数量	备注
Note	Item No	Drawing NO.		Part NO.	Part name	Spec.	Q'ty	Remarks
	17	DJ-535			大垫片 Large gasket		1	
	18	T-MM-298			M6×20内六角螺钉 M6×20 Socket Head Cap Screw		1	
	19	T-MM-299			5×30平键 five×30 flat key		1	
	20	T-MM-012			M8×30内六角螺钉 M8×30 socket head cap screw		4	
	21	58-209			大齿轮 big gear wheel		1	
	22	T-MM-013			M8×40内六角螺钉 M8×40 Socket Head Cap Screw		7	
Y	23				齿轮箱总成 Gearbox assembly		1	见2.1.1
	24	B205			驱动轮总成 Drive wheel assembly		1	
	25	D219			螺母 Nut		5	

2.1.1 齿轮箱总成

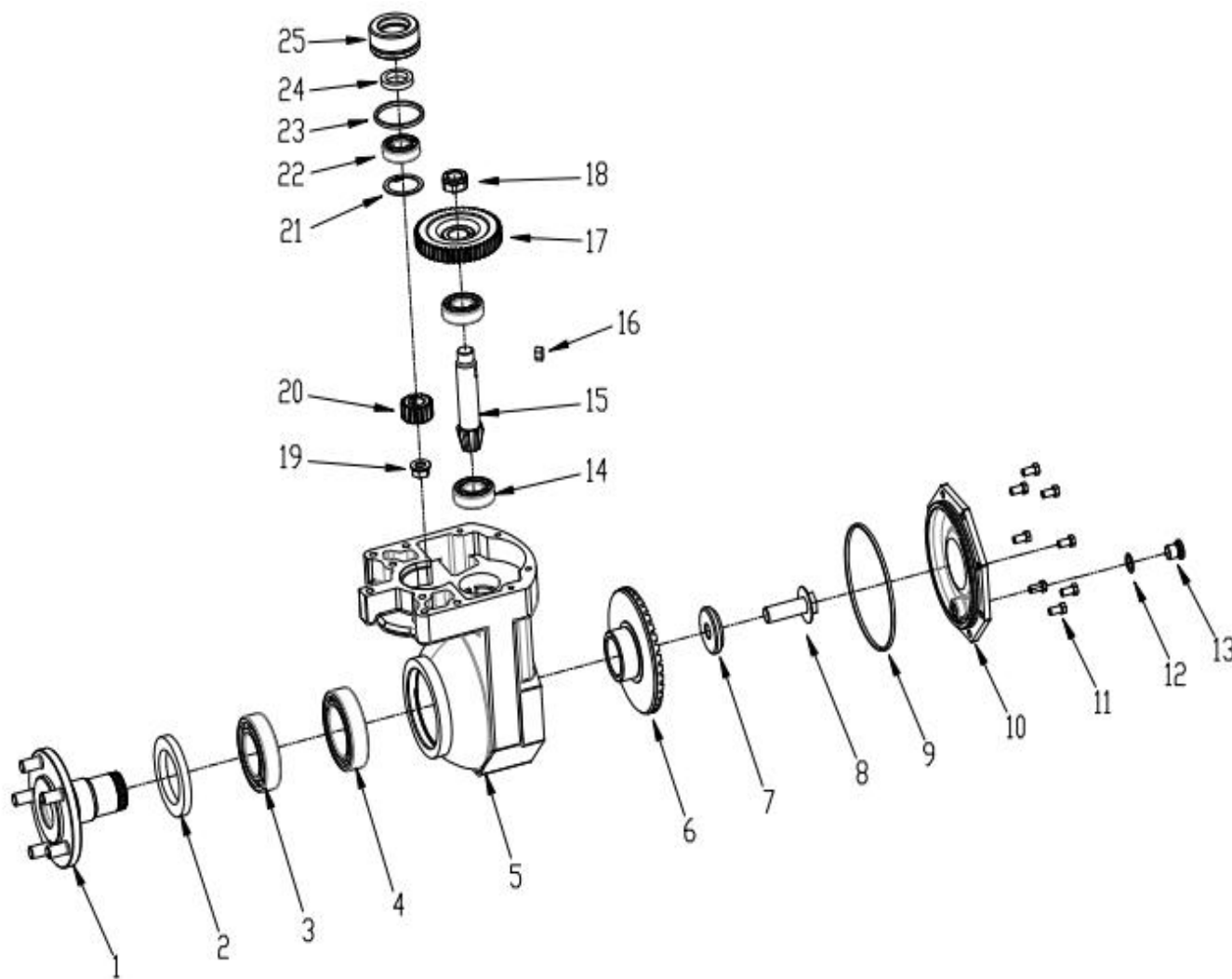


2.1.1 齿轮箱总成

注释	序号	图号	Erp号	名称	规格型号	数量	备注
Note	Item No	Drawing NO.	Part NO.	Part name	Spec.	Q'ty	Remarks
	1	D218		大轮花键轴 Large wheel spline shaft		1	
	2	T-MM-061		密封圈 $\phi 95 \times \phi 65 \times 10$ seal ring $\phi 95 \times \phi 65 \times 10$		1	
	3	T-MM-087		轴承 $90 \times 50 \times 22$ Bearing $90 \times 50 \times 22$		1	
	4	T-MM-086		轴承 $95 \times 60 \times 23$ Bearing $95 \times 60 \times 23$		1	
	5	D206		齿轮箱箱体 Gearbox body		1	
	6	D211		弧齿锥齿轮 Spiral bevel gear		1	
	7	D210		大锥齿垫圈 Large bevel gear washer		1	
	8	D210-3		螺钉 screw		1	
	9	T-MM-081		密封圈 seal ring		1	
	10	D209		齿轮箱侧面盖 Gearbox side cover		1	
	11	T-MM-592		M8 $\times$ 16外六角螺钉 M8 $\times$ 16 external hexagonal screw		8	
	12	MM-138		紫铜垫片 Copper gasket		1	
	13	BB-026		油塞螺栓 Oil plug bolt		1	
	14	T-MM-085		轴承 Bearing		2	
	15	B210		弧齿锥齿轮轴 Spiral bevel gear shaft		1	
	16	B211		平键 Flat key		1	

2.1.1 齿轮箱总成

齿轮箱总成/Gearbox assembly



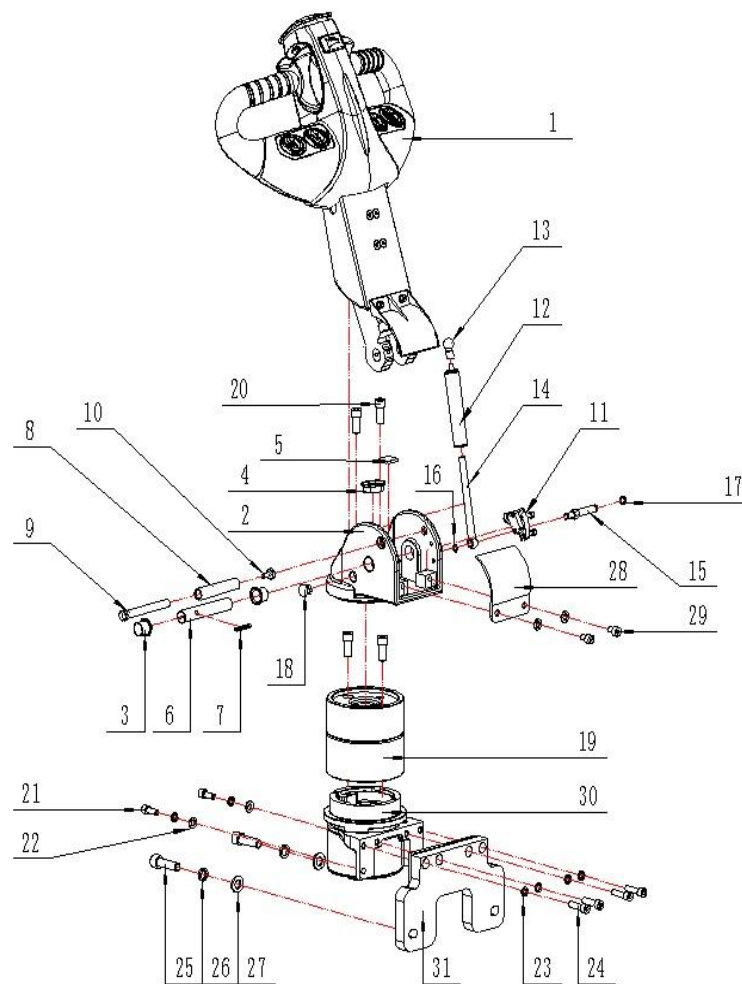
2.1.1 齿轮箱总成

注释	序号	图号	Erp号	名称	规格型号	数量	备注
Note	Item No	Drawing NO.	Part NO.	Part name	Spec.	Q'ty	Remarks
	17	03-267		箱体斜齿轮 Box helical gear		1	
	18	D204		箱体斜齿轮拧紧螺母 Box helical gear tightening nut		1	
	19	MM-028		螺母 Nut		1	
	20	03-266		电机齿轮 Motor gear		1	
	21	T-MM-067		弹性挡圈 Elastic retaining ring		1	
	22	MM-200		轴承 Bearing		1	
	23	T-MM-079		O型圈 O-ring		1	
	24	T-MM-060		密封圈 $\phi 40 \times \phi 28 \times 7$ seal ring $\phi 40 \times \phi 28 \times 7$		1	
	25	03-212		电机轴过渡定位套 Motor shaft transition positioning sleeve		1	

3.0操纵系统

T1PJ5-80001 操纵系统/control system

461-100 操纵系统/control system



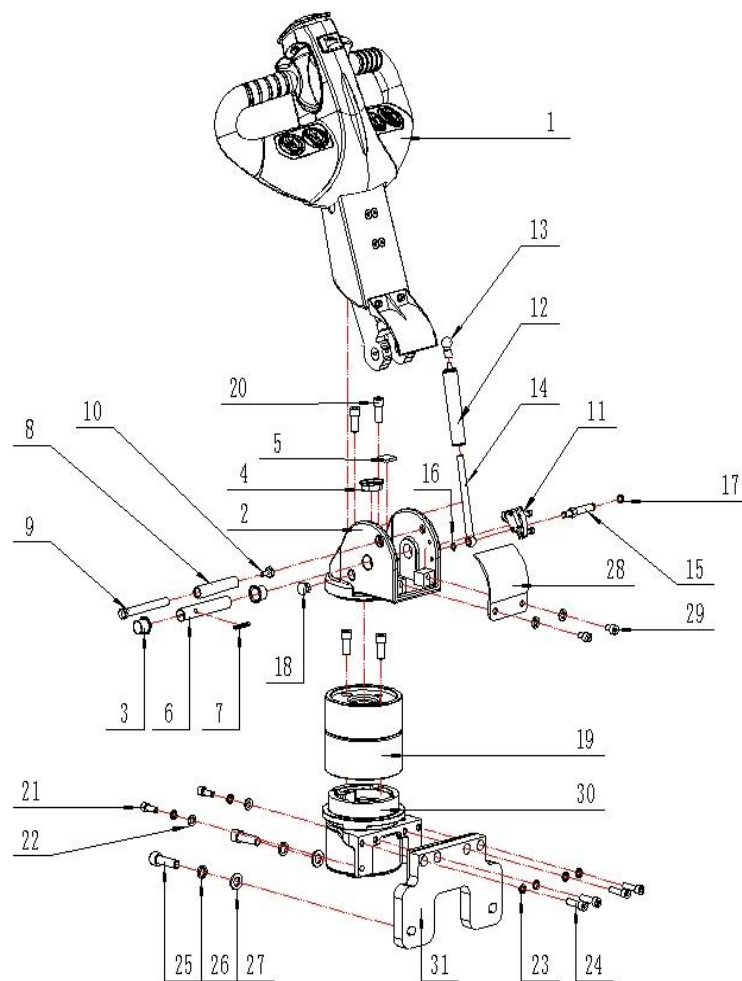
3.0操纵系统

注释	序号	力达图号	合力图号		Erp号	名称	规格型号	数量	备注
Note	Item No	Drawing NO.	Drawing NO.		Part NO.	Part name	Spec.	Q'ty	Remarks
Y	1	47-WW-001B	T1PJ5-80011			智能手柄总成 Smart Handle Assembly		1	见3.1
	2	B120A	T1PJ5-82051			手柄座 Handle seat		1	
	3	T-MM-092	SF-1F 18170			自润滑翻边轴承φ18-φ20-17 Self lubricating flanged bearingsφ18-φ20-17		2	
	4	46-103	T1PJ5-82061			电线保护套 Wire protection sleeve		1	
	5	D122	T1PJ5-82071			橡胶垫 Rubber pad		1	
	6	D111	T1PJ5-82081			手把销轴 Handle pin shaft		1	
	7	55-MM-003	B3352-05035			弹性圆柱销5×35 Elastic cylindrical pin 5 × thirty-five		1	
	8	D106	T1PJ5-820091			橡胶套 Rubber sleeve		1	
	9	D107	T1PJ5-820101			定位销轴 Positioning pin shaft		1	
	10	D108	T1PJ5-820111			定位螺钉 Set screw		1	
	11	20-WW-019	T1PJ5-80041			手把联锁开关 Handle interlocking switch		1	
	12	B106G-6	T1PJ5-80051			手把气弹簧 Handle Gas Spring		1	
	13	D123D	T1PJ5-82141			气弹簧球头 Gas Spring ball head		1	
	14	D123H	T1PJ5-82151			气弹簧下接头 Gas Spring lower connector		1	
	15	D119AA	T1PJ5-82161			气弹簧固定螺钉 Gas Spring fixing screw		1	
	16	T-MM-252	B6150-00008			轴用弹性挡圈8 Elastic retaining ring for shaft 8		1	

3.0操纵系统

T1PJ5-80001 操纵系统/control system

461-100 操纵系统/control system



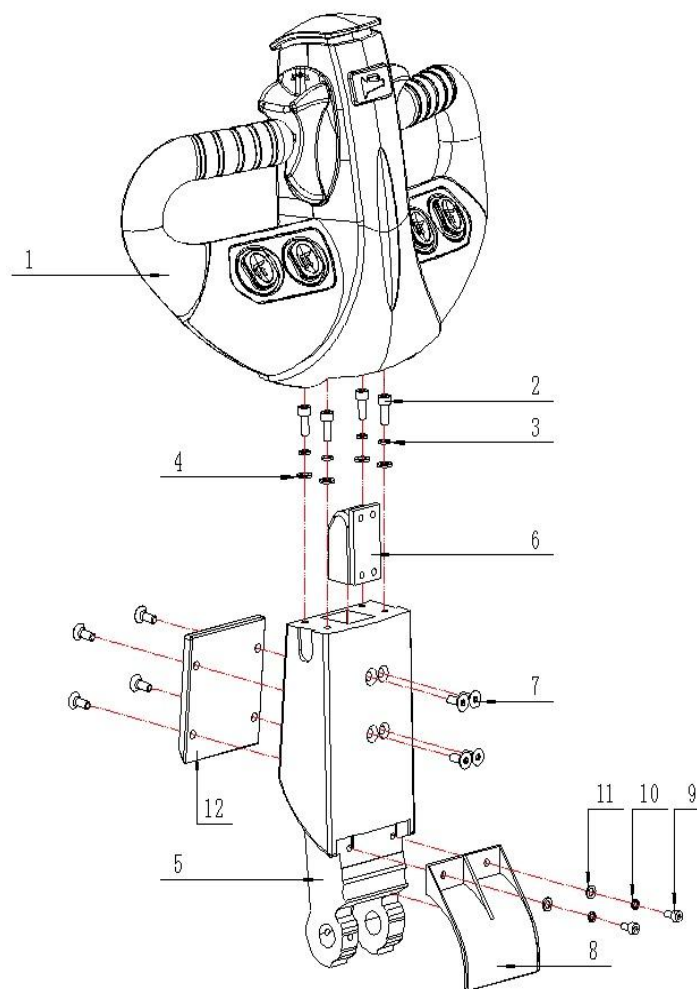
3.0操纵系统

注释	序号	力达图号	合力图号		Erp号	名称	规格型号	数量	备注
Note	Item No	Drawing NO.	Drawing NO.		Part NO.	Part name	Spec.	Q'ty	Remarks
	17	07EC-MM-003	B6150-00010			轴用弹性挡圈10 Elastic retaining ring for shaft 10		1	
	18	D224	T1PJ5-82171			塞子 Stopper		1	
	19	B121A	T1PJ5-82181			手把连接套 Handle connecting sleeve		1	
	20	52-MM-010	B8030-10025			内六角圆柱头螺钉M10×25 Hexagon socket head cap screw M10×25		4	
	21	MM-061	B8030-08020			内六角圆柱头螺钉M8×20 Hexagon socket head cap screw M8×20		2	
	22	T-MM-043	B5310-00008			平垫圈8 Flat washer 8		4	
	23	T-MM-048	B5050-00008			弹垫8 Spring pad 8		6	
	24	T-MM-012	B8030-08030			内六角圆柱头螺钉M8×30 Hexagon socket head cap screw M8×30		4	
	25	T-MM-391	B8030-12040			内六角圆柱头螺钉M12×40 Hexagon socket head cap screw M12×40		2	
	26	T-MM-050	B5050-00012			弹垫12 Spring pad 12		2	
	27	28-MM-002	B5310-00012			平垫圈12 Flat washer 12		2	
	28	D104	T1PJ5-82221			内盖板 Inner cover plate		1	
	29	T-MM-582	B8030-08012			内六角圆柱头螺钉M8×12 Hexagon socket head cap screw M8×12		2	
	30	93-WW-200	T1PJ5-80061			光码盘总装件 Optical code disk assembly		1	
	31	46-101T	T1PJ5-80071			手把支座安装板 Handle support mounting plate		1	

3.1 智能手柄总成

T1PJ5-80011 智能手柄总成/Smart Handle Assembly

47-WW-001B 智能手柄总成/Smart Handle Assembly



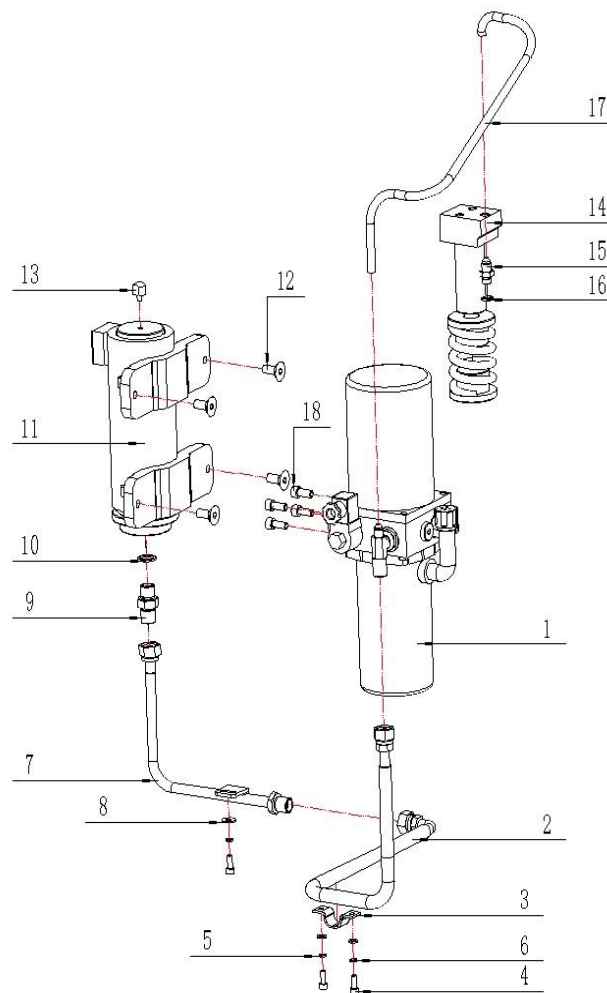
3.1 智能手柄总成

注释	序号	力达图号	合力图号		Erp号	名称	规格型号	数量	备注
Note	Item No	Drawing NO.	Drawing NO.		Part NO.	Part name	Spec.	Q'ty	Remarks
	1	47-WW-001B	T1PJ5-80021			智能手柄 Smart Handle		1	
	2	E-MM-027	B8030-06016			内六角圆柱头螺钉M6×16 Hexagon socket head cap screw M6×16		4	
	3	T-MM-047	B5050-00006			弹垫6 Spring pad 6		4	
	4	T-MM-043	B5310-00006			平垫圈6 Flat washer 6		4	
	5	B101	T1PJ5-82001			车铝手把(配电子手柄) Car aluminum handle (equipped with electronic handle)		1	
	6	E103	T1PJ5-80031			气弹簧安装座 Mounting seat of Gas Spring		1	
	7	T-MM-028	B8070-06016			内六角沉头螺钉 Hexagon socket countersunk head screw		8	
	8	D103	T1PJ5-82031			外盖板 Outer cover plate		1	
	9	56-MM-017	B8030-05010			内六角圆柱头螺钉M5*10 Hexagon socket head cap screw M5 * 10		2	
	10	T-MM-124	B5050-00005			弹垫5 Spring pad 5		2	
	11	GB／T95-2002	B5310-00005			平垫圈5 Flat washer 5		2	
	12	B103	T1PJ5-82041			手把后盖板 Handle rear cover plate		1	

4.0 液压系统

T1PJ7-60001 液压系统/Hydraulic system

461-300 液压系统/Hydraulic system



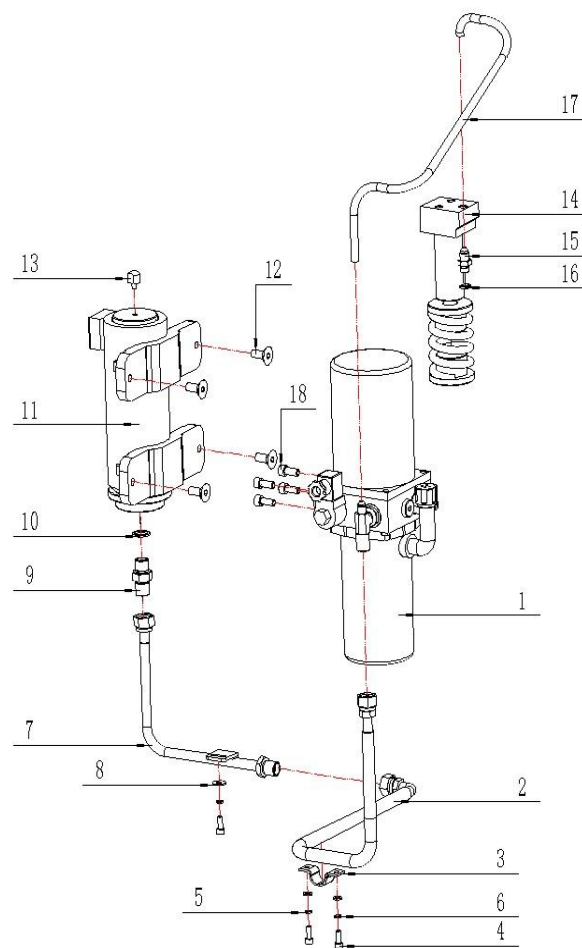
4.0 液压系统

注释	序号	力达图号	合力图号	Erp号	名称	规格型号	数量	备注
Note	Item No	Drawing NO.	Drawing NO.	Part NO.	Part name	Spec.	Q'ty	Remarks
	1	461-301	T1PJ7-60011		泵站装配总成 Pump Station Assembly Assembly		1	
	2	461-303	T1PJ7-60021		高压胶管 High pressure rubber hose		1	
	3	93-339	T4607-62001		管夹 pipe clamp		1	
	4	E-MM-027	B8030-06016		内六角圆柱头螺钉M6×16 Hexagon socket head cap screw M6×16		3	
	5	T-MM-047	B5050-00006		弹垫6 Spring pad 6		3	
	6	T-MM-043	B5310-00006		平垫圈6 Flat washer 6		2	
	7	461-302	T1PJ7-60031		高压钢管 High pressure steel pipe		1	
	8	471-MM-001	B5210-00006		大垫圈6 Large washer 6		1	
	9	461-322	T1PJ7-62011		油缸接头 Cylinder joint		1	
	10	D324	T1PJ7-62031		18紫铜垫 18 copper pad		1	
	11	46-305	T1PJ7-60041		起升油缸 Lifting cylinder		1	
	12	43-MM-038	B8070-10025		内六角沉头螺钉M10×25 Hexagon socket countersunk head screw M10×25		4	
	13	46-312	T1PJ7-62051		球头螺钉 Ball head screw		1	
	14	03-341	T1PJ7-60051		增压缸组件 Booster cylinder assembly		1	
	15	56-305	T1PJ7-62111		油缸接头 Cylinder joint		1	
	16	56-MM-016	T1PJ7-62121		12紫铜垫 12 copper pad		1	

4.0 液压系统

T1PJ7-60001 液压系统/Hydraulic system

461-300 液压系统/Hydraulic system



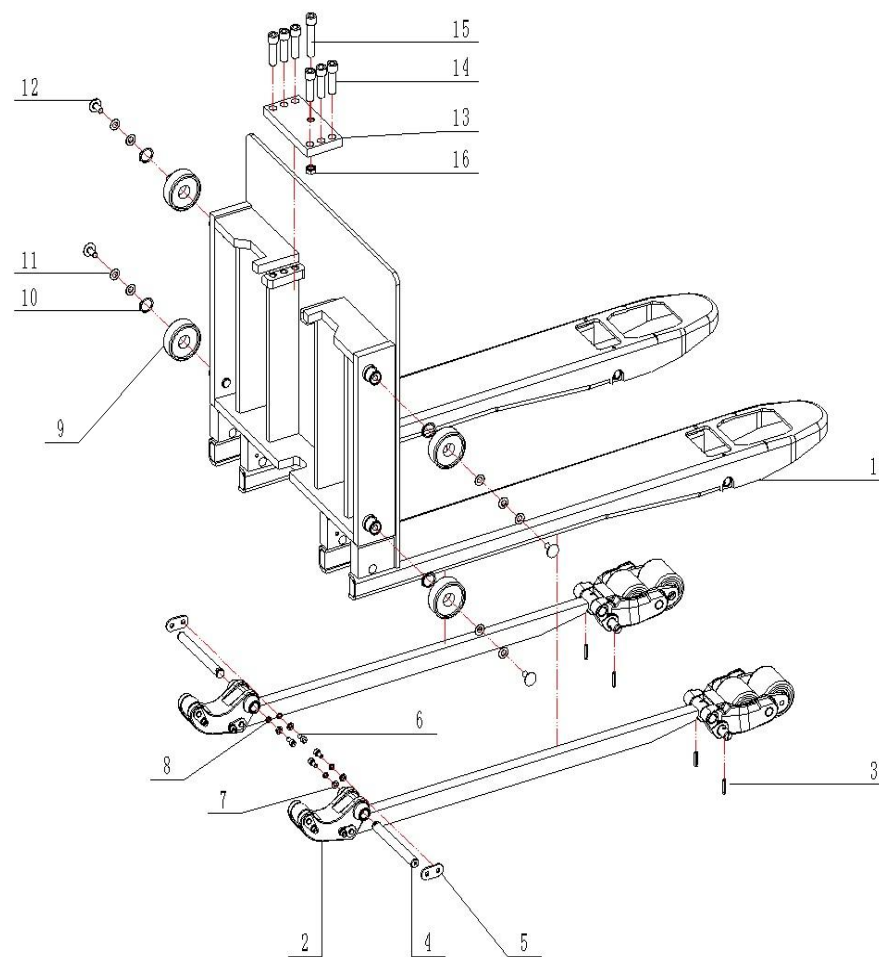
4.0 液压系统

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5.0起重系统

HRT1PJ8001 起重系统/Lifting system

461-500 起重系统/Lifting system



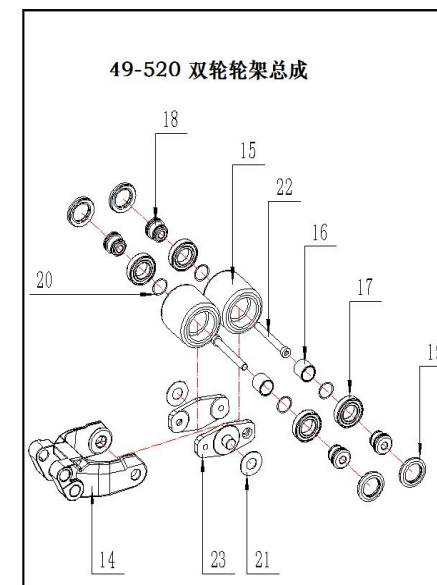
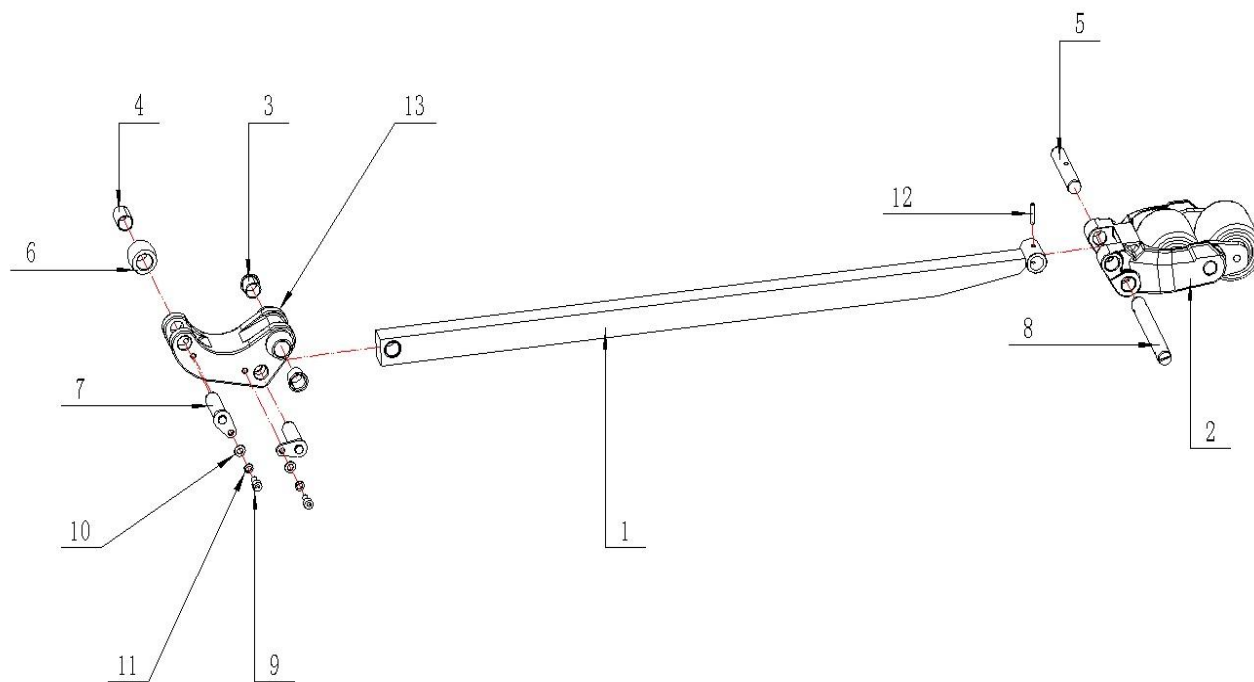
5.0起重系统

注释	序号	力达图号	合力图号		Erp号	名称	规格型号	数量	备注
Note	Item No	Drawing NO.	Drawing NO.		Part NO.	Part name	Spec.	Q'ty	Remarks
	1	461-501	HRT1PJ8101			起升货叉 Lifting fork		1	
Y	2	461-504	T1PJ4-40001			长连杆组件 Long connecting rod assembly		2	见5.1
	3	T-MM-683	B3352-06035			弹性圆柱销6×35 Elastic cylindrical pin 6×35		4	
	4	461-533	T1PJ8-12111			长带孔轴 Long perforated shaft		2	
	5	461-534	T1PJ8-12121			大防转片 Large anti rotation plate		2	
	6	E-MM-014	B8030-08016			内六角圆柱头螺钉M8×16 Hexagon socket head cap screw M8×16		4	
	7	T-MM-043	B5310-00008			平垫圈8 Flat washer 8		4	
	8	T-MM-048	B5050-00008			弹垫8 Spring pad 8		4	
	9	43-570	T1PJ8-10041			起升滚轮组件 Lifting roller assembly		4	
	10	JK-MM-011	B6150-00030			轴用弹性挡圈30 Elastic retaining ring for shaft 30		4	
	11	43-503B	T1PJ8-12131			小碟簧 Small disc spring		10	
	12	43-504A	T1PJ8-12141			张紧滑块 Tensioning slider		4	
	13	461-535	T1PJ8-12191			油缸上顶板 Top plate of oil cylinder		1	
	14	52-MM-007	B8030-16055			内六角圆柱头螺钉M16×55 Hexagon socket head cap screw M16×55		6	
	15	T-MM-672	B8030-16070			内六角圆柱头螺钉M16×70 Hexagon socket head cap screw M16×70		1	
	16	MM-087	B4430-00016			M16X2X8 螺帽 M16X2X8 Nut		1	

5.1长连杆组件

T1PJ4-40001 长连杆组件/Long connecting rod assembly

461-504 长连杆组件/Long connecting rod assembly



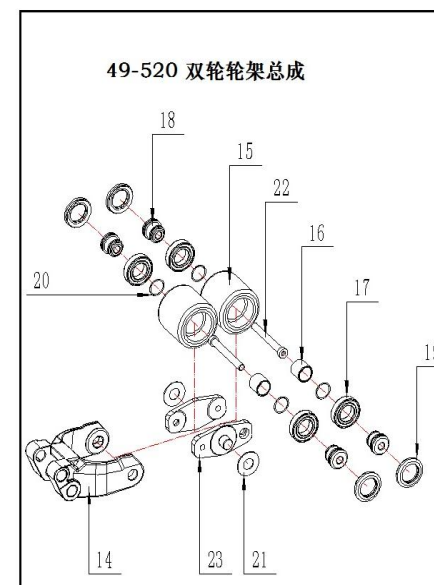
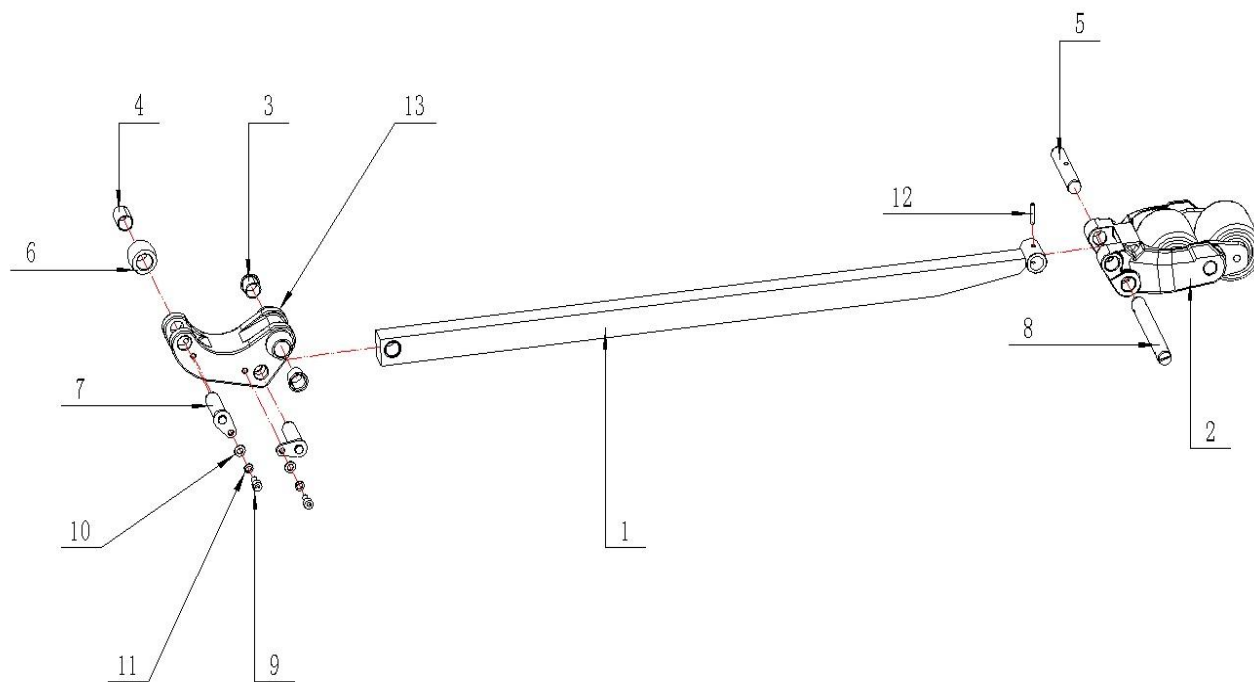
5.1长连杆组件

注释	序号	力达图号	合力图号		Erp号	名称	规格型号	数量	备注
Note	Item No	Drawing NO.	Drawing NO.		Part NO.	Part name	Spec.	Q'ty	Remarks
	1	461-505	T1PJ4-40011			长连杆焊合 Long connecting rod welding		1	
	2	49-520	T1PJ4-40021			双轮轮架总成 Double wheel frame assembly		1	
	3	19B-MM-029	SF-1F 20215			自润滑翻边轴承 Self lubricating flanged bearing		2	
	4	B607-5	SF-1 20300			自润滑轴承 Self-lubricating bearing		1	
	5	461-528	T1PJ4-42031			轮架连接轴 Wheel frame connecting shaft		1	
	6	43-502	T1PJ4-42151			小滚轮 Small roller		1	
	7	461-508	T1PJ4-40041			连杆连接轴焊合 Welding of connecting rod connecting shaft		2	
	8	461-531	T1PJ4-42181			轮架安装轴 Wheel frame installation shaft		1	
	9	E-MM-014	B8030-08016			内六角圆柱头螺钉M8×16 Hexagon socket head cap screw M8×16		2	
	10	T-MM-043	B5310-00008			平垫圈8 Flat washer 8		2	
	11	T-MM-048	B5050-00008			弹垫8 Spring pad 8		2	
	12	E-MM-010	B3352-05030			弹性圆柱销5×30 Elastic cylindrical pin 5×30		1	
	13	461-532	T1PJ4-42121			小转臂 Small swivel arm		1	
	14	49-522	T1PJ4-40051			轮架组合 Wheel frame combination		1	
	15	49-515	T1PJ4-42041			前双轮 Front double wheel		2	
	16	49-514	T1PJ4-42051			轮子隔套 Wheel spacer sleeve		2	

5.1长连杆组件

T1PJ4-40001 长连杆组件/Long connecting rod assembly

461-504 长连杆组件/Long connecting rod assembly



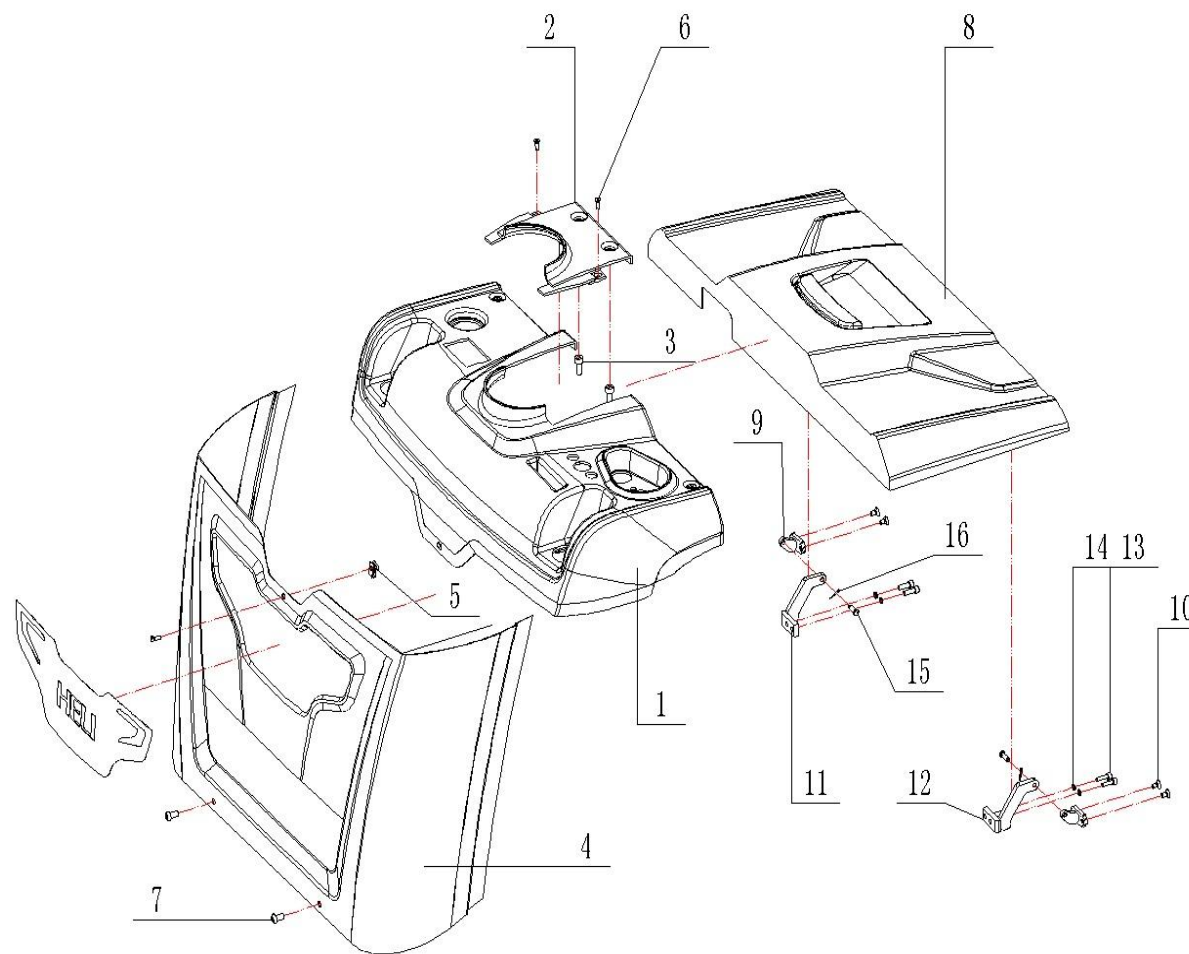
5.1长连杆组件

注释	序号	力达图号	合力图号		Erp号	名称	规格型号	数量	备注
Note	Item No	Drawing NO.	Drawing NO.		Part NO.	Part name	Spec.	Q'ty	Remarks
	17	T-MM-271	Z-6006			深沟球轴承 Deep Groove Ball Bearing		4	
	18	49-513	T1PJ4-42061			轮子轴套 Wheel sleeve		4	
	19	49-516	T1PJ4-42071			橡胶防尘圈 Rubber dust ring		4	
	20	T-MM-658	T1PJ4-42081			O型橡胶密封圈26.5×2 O-shaped rubber sealing ring 26.5 ×2		4	
	21	49-517	T1PJ4-42091			轮架垫片 Wheel frame gasket		2	
	22	49-512	T1PJ4-42101			轮子螺钉 Wheel screw		2	
	23	49-511	T1PJ4-42111			轮架夹板 Wheel frame clamp plate		2	

6.0覆盖件系统

T1PJ6-40001 覆盖件系统/Covering system

461-600 覆盖件系统/Covering system



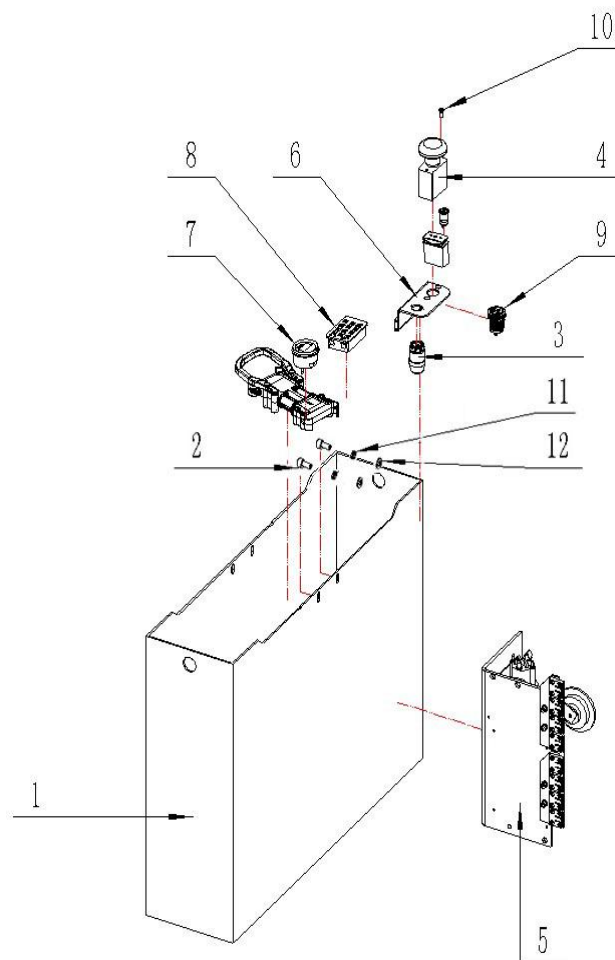
6.0覆盖件系统

注释	序号	力达图号	合力图号		Erp号	名称	规格型号	数量	备注
Note	Item No	Drawing NO.	Drawing NO.		Part NO.	Part name	Spec.	Q'ty	Remarks
	1	461-620	T1PJ6-42001			车身上盖 Body cover		1	
	2	461-629	T1PJ6-42101			手柄前罩 Handle front cover		1	
	3	MM-061	B8030-08020			内六角圆柱头螺钉M8×20 Hexagon socket head cap screw M8×20		4	
	4	461-621	T1PJ6-42011			车身后盖 Rear body cover		1	
	5	461-MM-015	QC／T 608 - 2011			B型板簧螺母M5 B-type leaf spring nut M5		1	
	6	T-MM-024	B8070-05016			内六角沉头螺钉M5×16 Hexagon socket countersunk head screw M5×16		3	
	7	T-MM-009	GB/T 70.2-2000			内六角平圆头螺钉 M8×16 Hexagon socket flat head screw M8×16		2	
	8	461-605	T1PJ6-40051			电池盖装配 Battery cover assembly		1	
	9	461-601	T1PJ6-40011			电瓶箱盖左固定板 Left fixing plate of battery box cover		2	
	10	03-MM-002	B8070-06012			内六角沉头螺钉M6×12 Hexagon socket countersunk head screw M6×20		4	
	11	461-602	T1PJ6-40031			电瓶箱盖左安装座 Left mounting seat of battery box cover		1	
	12	461-603	T1PJ6-40041			电瓶箱盖右安装座 Right mounting seat of battery box cover		1	
	13	T-MM-006	B8030-06020			内六角圆柱头螺钉M6×20 Hexagon socket head cap screw M6×20		4	
	14	T-MM-047	B5050-00006			弹垫6 Spring pad 6		4	
	15		GB 882-88			销轴 B型 6*20 Pin B type 6 * 20		2	
	16	F-MM-048	GB/T 91-2000			开口销2*16 Split pin 2 * 16		2	

7.0电气系统

T1PJ2-40001 电气系统/electrical system

461-800 电气系统/electrical system



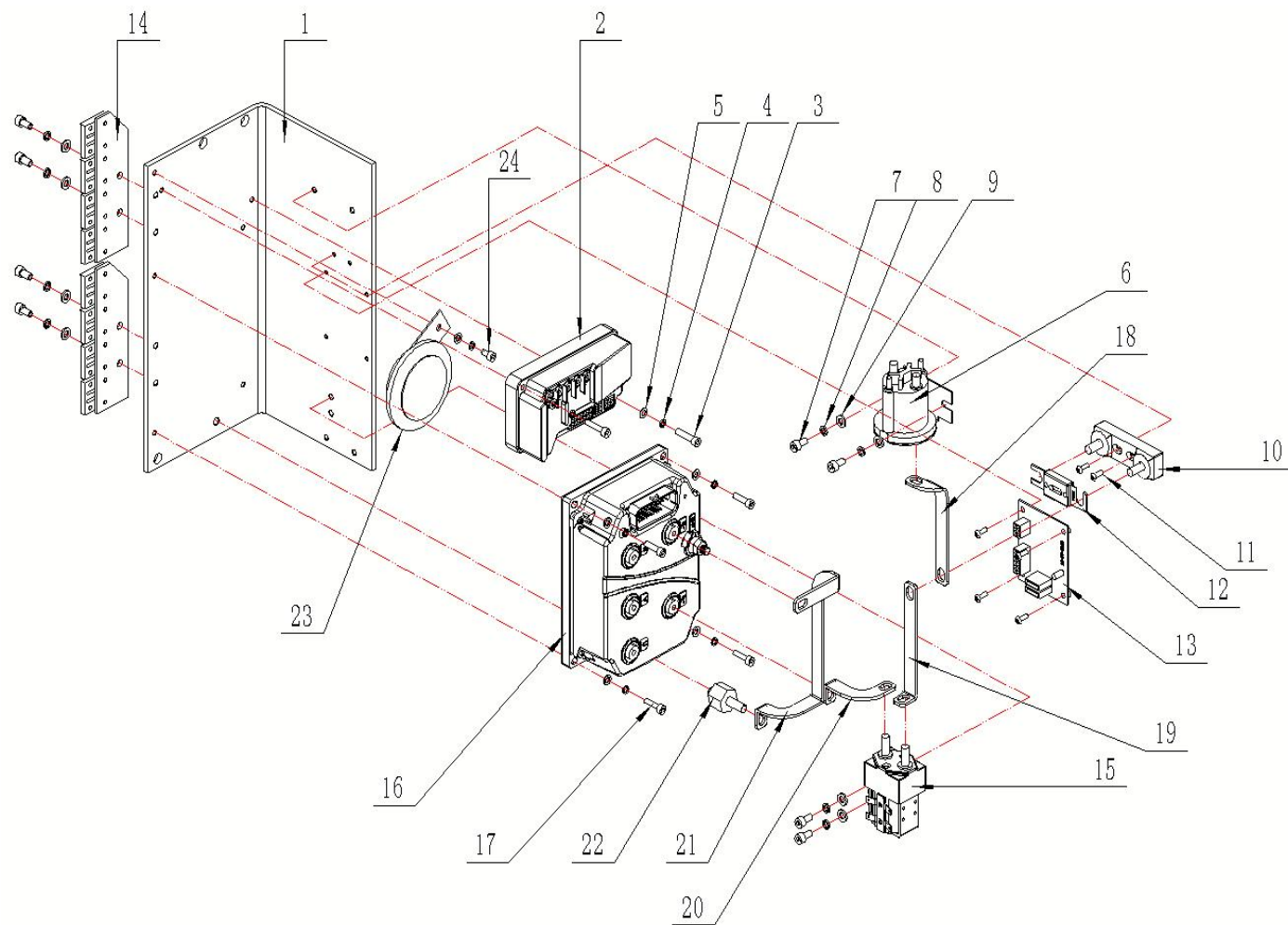
7.0电气系统

注释	序号	力达图号	合力图号		Erp号	名称	规格型号	数量	备注
Note	Item No	Drawing NO.	Drawing NO.		Part NO.	Part name	Spec.	Q'ty	Remarks
	1		T1PJ2-42041			460电池组 460 battery pack		1	
	2	E-MM-014	B8030-08016			圆柱头内六角螺钉 Hexagon socket head cap screw		2	
	3	SS-004C	T1PJ2-42011			钥匙开关 Key switch		2	
	4	SS-098	T1PJ2-42021			急停开关 Emergency stop switch		1	
Y	5	461-801	T1PJ2-40011			电控总成(前拓) Electric control assembly (front extension)		1	见7.1
	6	461-820	T1PJ2-42001			急停开关安装板 Emergency stop switch mounting plate		1	
	7	461-821	T1PJ2-42031			LVM1640电量表 LVM1640 electricity meter		1	
	8	461-850	T1PJ2-42401			权限控制器 Permission controller			
	9	461—851	TIPJ2-42411			USB充电口 USB charge port			
	10	T-MM-024	B8070-05016			内六角沉头螺钉M5×16 Hexagon socket countersunk head screw M5×16			
	11	T-MM-048	B5050-00008			弹垫8 Spring washer 8			
	12	T-MM-043	B5310-00008			平垫圈8 Flat washer 8			

7.1 电控总成(前拓)

T1PJ2-40011 电控总成(前拓) /Electric control assembly (front extension)

461-801 电控总成(前拓) /Electric control assembly (front extension)



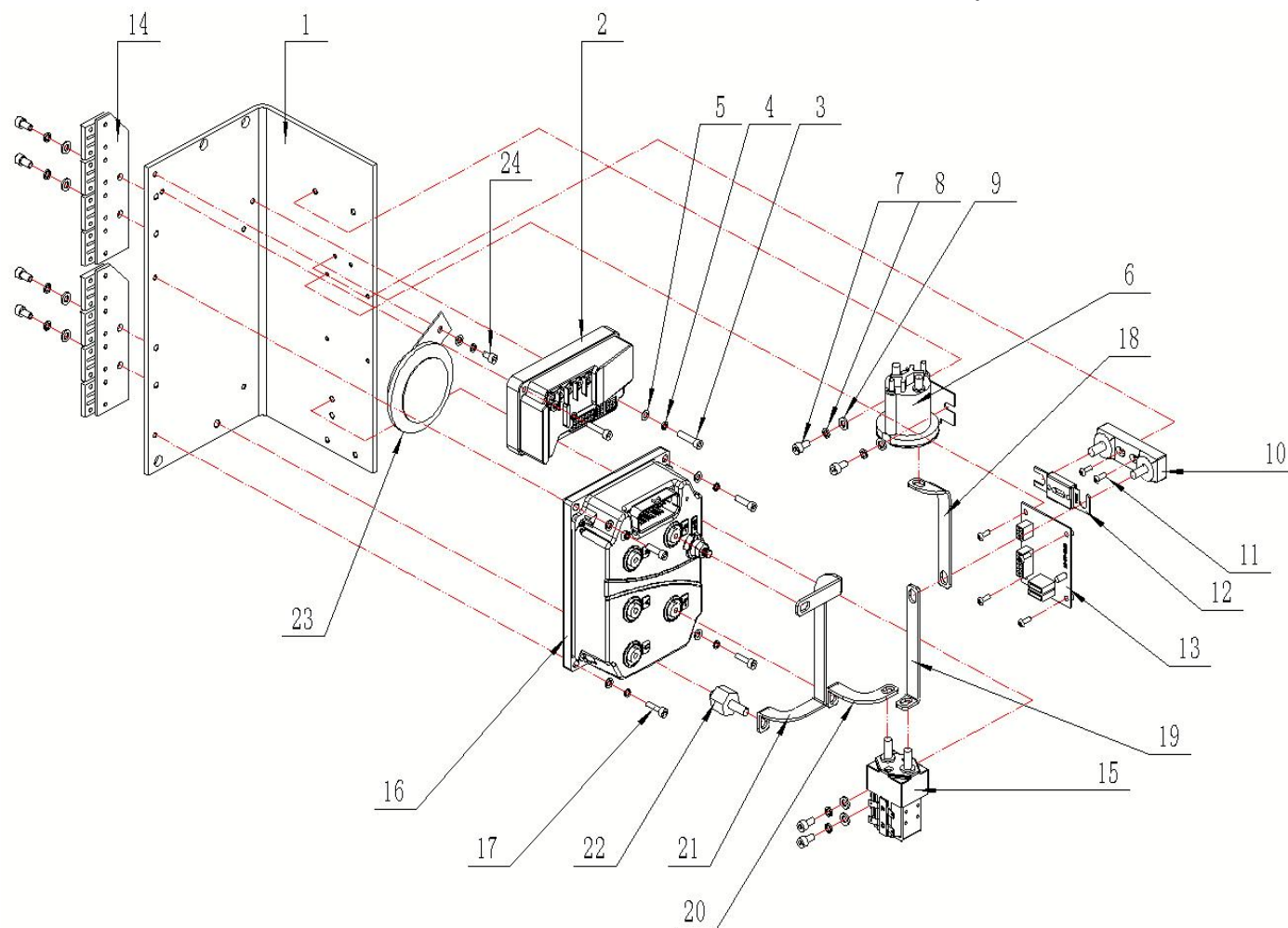
7.1 电控总成(前拓)

注释	序号	力达图号	合力图号		Erp号	名称	规格型号	数量	备注
Note	Item No	Drawing NO.	Drawing NO.		Part NO.	Part name	Spec.	Q'ty	Remarks
	1	461-822	T1PJ2-42071			配电板安装板 Distribution board installation board		1	
	2	461-802	T1PJ2-42081			转向控制器 Steering controller		1	
	3	32-MM-007	B8030-05025			内六角圆柱头螺钉M5×25 Hexagon socket head cap screw M5×25		2	
	4	T-MM-124	B5050-00005			弹垫5 Spring pad 5		7	
	5	581-MM-002	B5310-00005			平垫圈5 Flat washer 5		7	
	6	SS-610B	T1PJ2-42091			起升接触器 Lifting contactor		1	
	7	03-MM-002	B8030-06012			内六角圆柱头螺钉M6×12 Hexagon socket head cap screw M6×12		8	
	8	T-MM-047	B5050-00006			弹垫6 Spring pad 6		8	
	9	T-MM-043	B5310-00006			平垫圈6 Flat washer 6		8	
	10	SS-447	T1PJ2-42101			保险丝安装座 Fuse mounting base		1	
	11	MM-193	GB/T 70.2-2000			内六角平圆头螺钉M4×12 Hexagon socket flat head screw M4×12		6	
	12	SS-476	T1PJ2-42111			保险丝 Fuse		1	
	13	10-WW-500B	T1PJ2-42121			电路板 Circuit board		1	含SS-444保险丝
	14	93-457	T1PJ2-42131			插件连接座 Plug connection base		2	
	15	SS-610	T1PJ2-42141			主接触器 Main contactor		1	
	16	461-803	T1PJ2-42161			行走控制器总成(前拓) Travel controller assembly (front extension)		1	

7.1 电控总成(前拓)

T1PJ2-40011 电控总成(前拓) /Electric control assembly (front extension)

461-801 电控总成(前拓) /Electric control assembly (front extension)



7.1 电控总成(前拓)

注释	序号	力达图号	合力图号	Erp号	名称	规格型号	数量	备注
Note	Item No	Drawing NO.	Drawing NO.	Part NO.	Part name	Spec.	Q'ty	Remarks
	17	F-MM-021	B8030-05020		内六角圆柱头螺钉M5*20 Hexagon socket head cap screw M5*20		4	
	18	461-823	T1PJ2-42171		铜条1 (前拓) Copper strip 1 (front extension)		1	
	19	461-824	T1PJ2-42181		铜条2 (前拓) Copper bar 2 (front extension)		1	
	20	461-825	T1PJ2-42191		铜条2 (前拓) Copper bar 2 (front extension)		1	
	21	461-826	T1PJ2-42201		铜条4 (前拓) Copper bar 4 (front extension)		1	
	22	461-827	T1PJ2-42211		接线柱 Terminal		1	
	23	SS-025	T1PJ2-42051		喇叭 horn		1	
	24	56-MM-017	B8030-05010		内六角圆柱头螺钉M5*10 Hexagon socket head cap screw M5 * 10		1	