



*A Series*

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蓄电池平衡重式叉车  
ELECTRIC FOUR-WHEEL FORKLIFT TRUCK

CPD40/45/50-AZ4  
CPD40/45/50-AC4  
CPD40/45/50-AC4-I

# 零件目录 PARTS CATALOG

杭叉集团股份有限公司  
HANGCHA GROUP CO.,LTD.

04 / 2018

# 说明

1. 本“零件目录”汇集了 4.0t~5.0t A 系列锂电池平衡重式叉车的零部件。
2. 订购零件时，须写明所用叉车的型号，出厂编号，所需零部件代号、名称及订购数量。
3. 维修更换零部件时，为确保质量，请使用本公司零部件。
4. 为提高质量，本公司将对某些零部件进行改进，对改进部分在本目录中不能同时一一修改，请用户谅解，欲了解详细情况可与本公司销售公司及备件处联系。

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# INSTRUCTION

1. The "PARTS CATALOG" collects 4.0t~5.0t A Series Lithium battery four wheel forklift truck parts.
2. Model, series Number, code Number of drawing and quantity should be given when ordering the spare parts.
3. It is recommended to use the parts and components made by us for ideal the service and maintenance.
4. We reserve the right of the change of the truck in construction for improving our products without notice. For the details of changes, please consult with sales department of HANGCHA GROUP Co., Ltd.

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# 第一部分 传动系统

## Part I Driving system

Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I

序号 Item	名称 Description	适用车型 Serial No.	页码 Page
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图 1-4 Fig.1-4	制动器 Wheelbrake	Ⓐ Ⓑ Ⓒ	1-9
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图 1-1 传动系统  
Fig.1-1 Driving system

Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I

序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
1	APZ452-110000-000	驱动桥 Drive axle assy	1	见图 1-2 (See Fig.1-2)
2	G000120-010030-01	销 B10×30 Pin B10×30	1	
3	G000093-000012-00	垫圈 12 Washer 12	12	
4	G005783-012035-00	螺栓 M12×35 Bolt M12×35	12	
5	HDCS40-G00	减速箱 Transmission	1	
6	APZ452-130000-000	行走电机 Motor	1	
7	G000096-000014-00	垫圈 14 Washer 14	5	
8	G000093-000014-00	垫圈 14 Washer 14	5	
9	G005785-014175-01	螺栓 M14×1.5×175 Bolt M14×1.5×175	5	
10	JP300-100001-000	垫片 Shim	1	
11	G000093-000020-00	垫圈 20 Washer 20	1	
12	G005785-020070-01	螺栓 M20×1.5×70 Bolt M20×1.5×70	1	
13	G001235-009503P1-00	O 形圈 95×3.1 O-Ring 95×3.1	1	
14	GT02982-002501518-00	轮胎 250-15-18PR Tyre 250-15-18PR	2	
15	G000093-000024-00	垫圈 24 Washer 24	10	

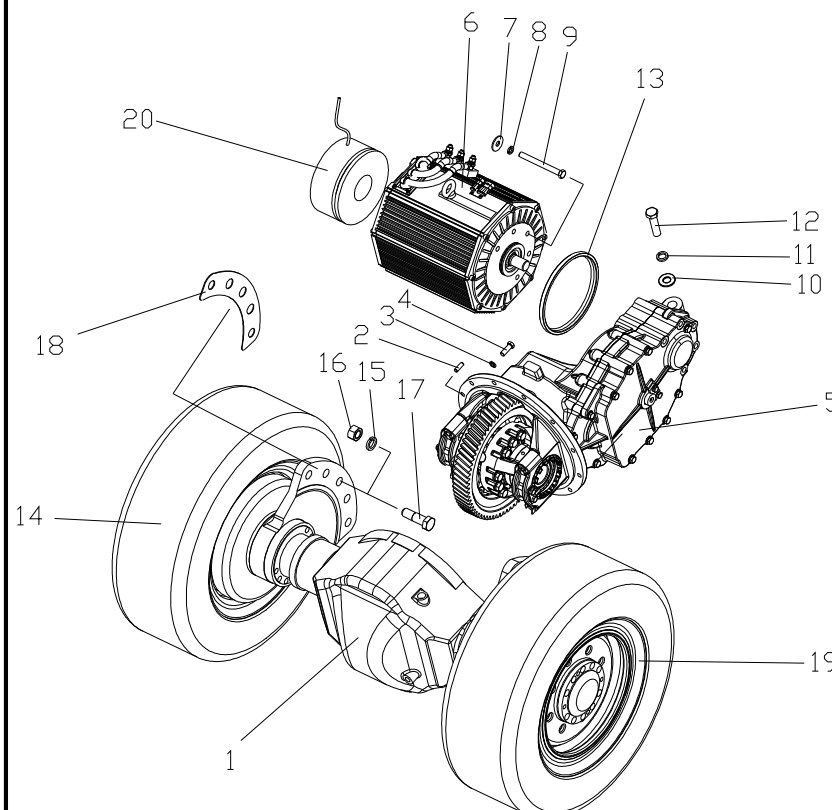
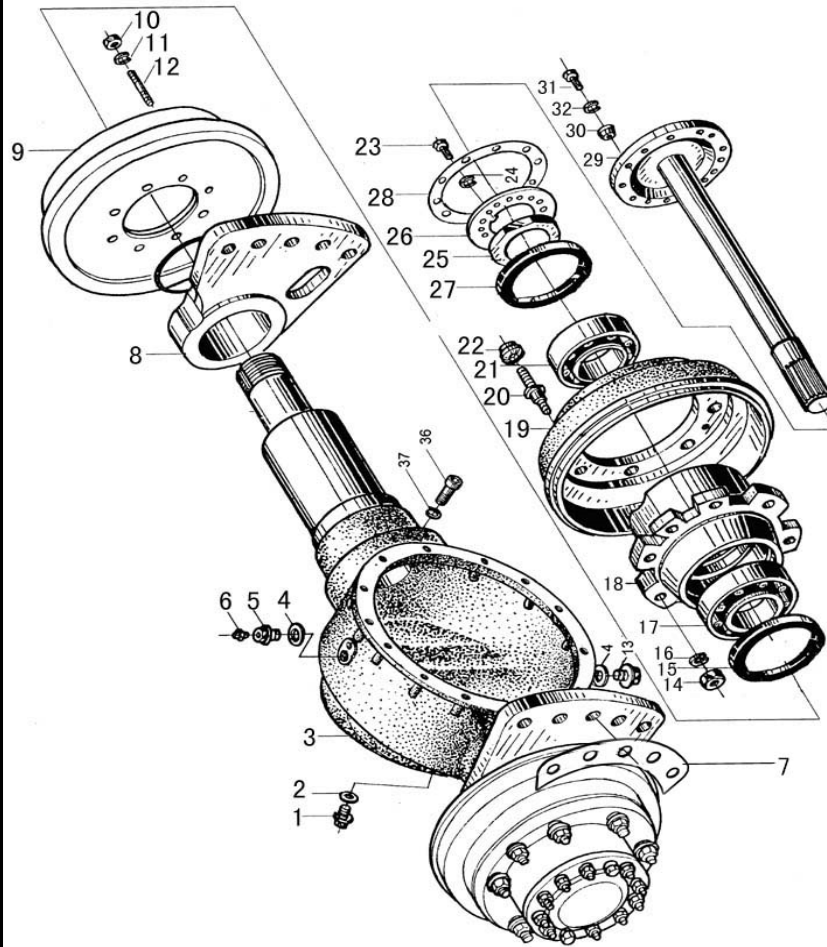




图 1-2 驱动桥  
Fig.1-2 Drive axle

Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I

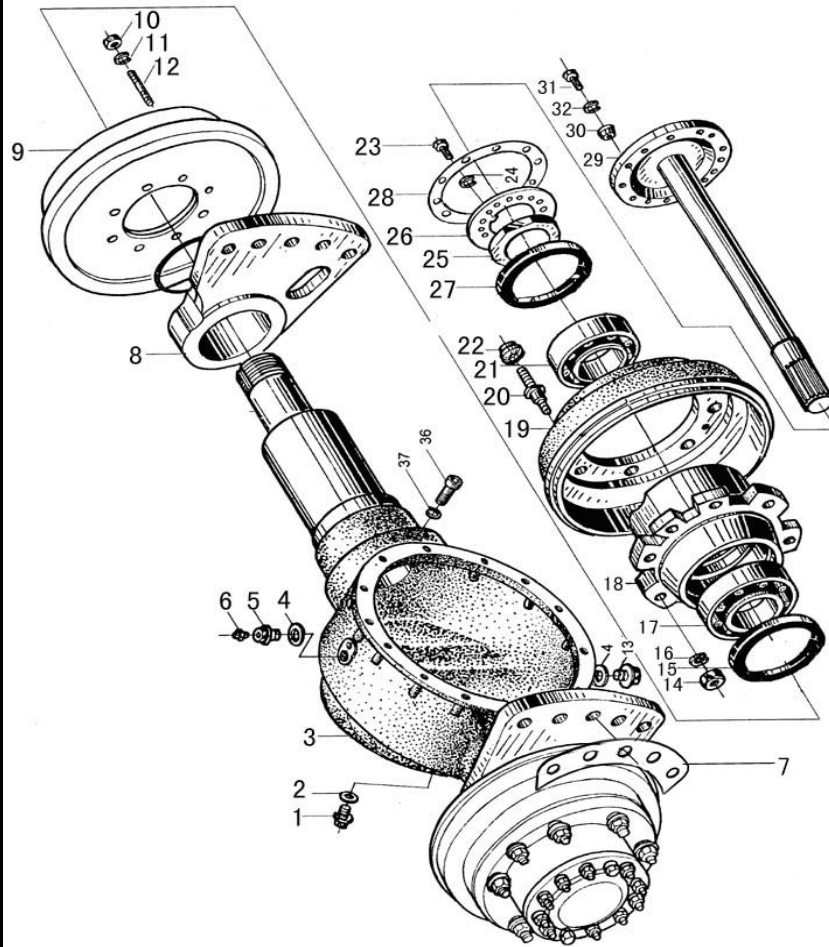


序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
1	J001000-0161P5-00	螺塞 M16×1.5 Plug M16×1.5	1	
2	J000982-000016-00	垫圈 16 Washer 16	1	
3	JP451-111000-001	桥体 Axle house	1	
4	J000982-000022-00	垫圈 22 Washer 22	2	
5	N163-110017-000	螺塞 Plug	1	
6	Q900-Z1/8-G00	通气塞 Z1/8" Vent plug Z1/8"	1	
7	R450-110009-000	垫板 Plate	2	
8	R450-110001-000	左支撑板 Plate,L.H.	1	-2012.03
8	R450-110001-001	左支撑板 Plate,L.H.	1	2012.03-
8	R450-110002-000	右支撑板 Plate,R.H.	1	-2012.03
8	R450-110002-001	右支撑板 Plate,R.H.	1	2012.03-
9	APZ452-113000-000	左制动器 Brake,L.H.	1	
9	APZ452-114000-000	右制动器 Brake,R.H.	1	
10	G006171-000014-02	螺母 M14×1.5 Nut M14×1.5	16	
11	G000093-000014-00	垫圈 14 Washer 14	16	

图 1-2 驱动桥

Fig.1-2 Drive axle

Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I



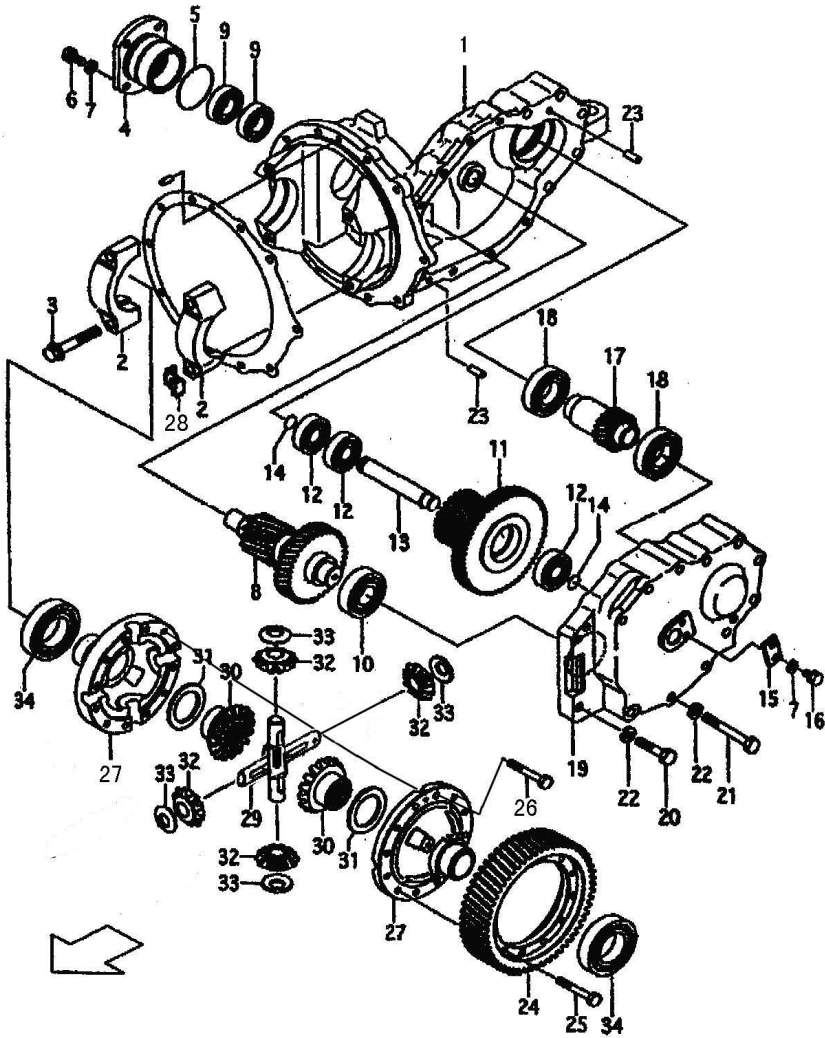
序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
12	40DH-110003	螺柱 Stud	16	
13	J001001-0221P5-00	螺塞 M22×1.5 Plug M22×1.5	1	
14	G006171-000020-02	螺母 M20×1.5 Nut M20×1.5	16	
15	HG40692-160011514-00	油封 PD160×115×14 Oil seal PD160×115×14	2	
16	G000093-000020-00	垫圈 20 Washer 20	16	
17	GT00297-0032217-00	轴承 32217 Bearing 32217	2	
18	R450-110003-000	轮毂 Wheel hub	2	
19	R450-110004-000	制动鼓 Brake drum	2	
20	R450-110007-000	轮毂螺栓 Hub bolt	16	
21	GT00297-0007815-00	轴承 7815 Bearing 7815	2	
22	N163-110015-000	轮毂螺母 Hub nut	16	
23	G005783-006012-00	螺栓 M6×12 Bolt M6×12	4	
24	G000093-000006-00	垫圈 6 Washer 6	4	
25	R450-110006-000	锁紧螺母 Lock nut	2	
26	N163-110011-000	锁紧片 Lock washer	2	



图 1-3 减速箱

Fig.1-3 Transmission

Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I



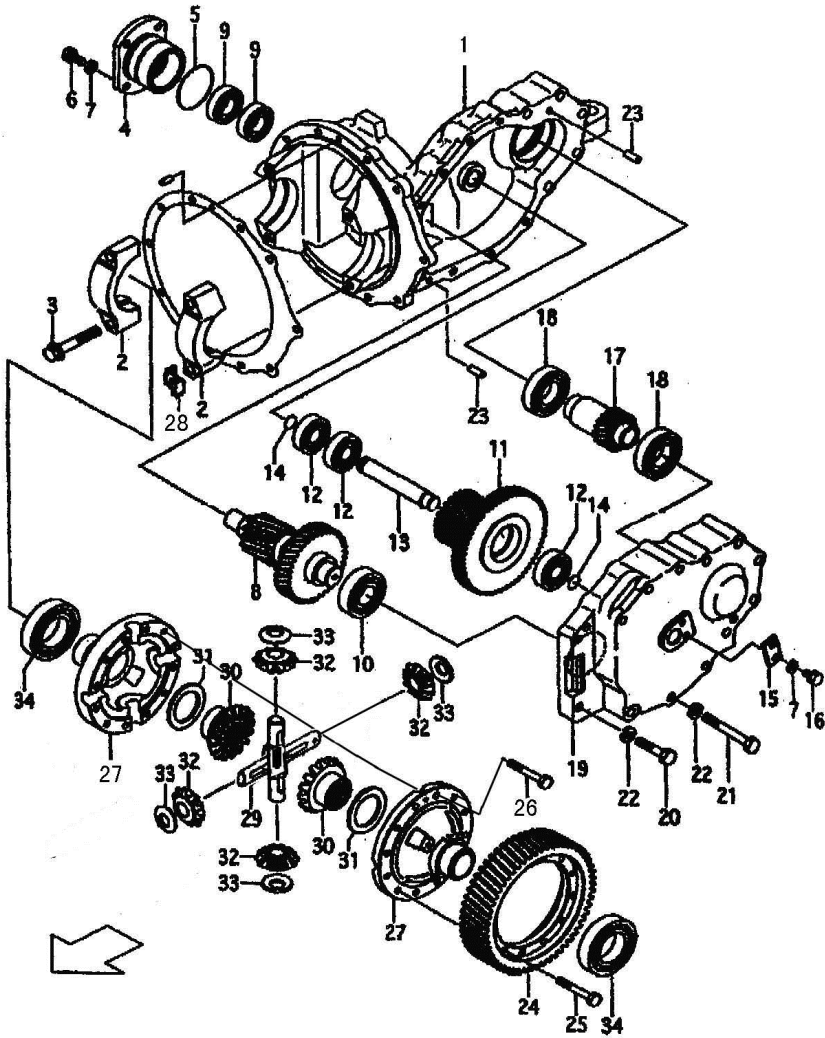
序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
1	HDCS40-0101	箱体 Transmission house	1	
2	HDCS40-0102	轴承座 Cap,Bearing	2	
3	L91631-2203	螺栓 Bolt	4	
4	HDCS40-0006	轴承座 Cap,Bearing	1	
5	GB1235-76	O 型密封圈 85×3.1 O-Ring 80×3.1	1	
6	GB5786-86	螺栓 M10×1.25×25 Bolt M10×1.25×25	4	
7	GB93-87	垫圈 10 Washer 10	6	
8	HDCS40-0400	齿轴组件 Gear,Shaft	1	
9	GB297-94	轴承 6206 Bearing 6206	2	
10	GB276-94	轴承 32209 Bearing 32209	1	
11	HDCS40-0300	双联齿轮组件 Gear,Counter	1	
12	GB276-94	轴承 6207 Bearing 6207	3	
13	HDCS40-0002	轴 Shaft	1	
14	GB1235-76	O 型密封圈 35×2.4 O-Ring 35×2.4	2	
15	HDCS40-0001	定位板 Board	1	



图 1-3 减速箱

Fig.1-3 Transmission

Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I

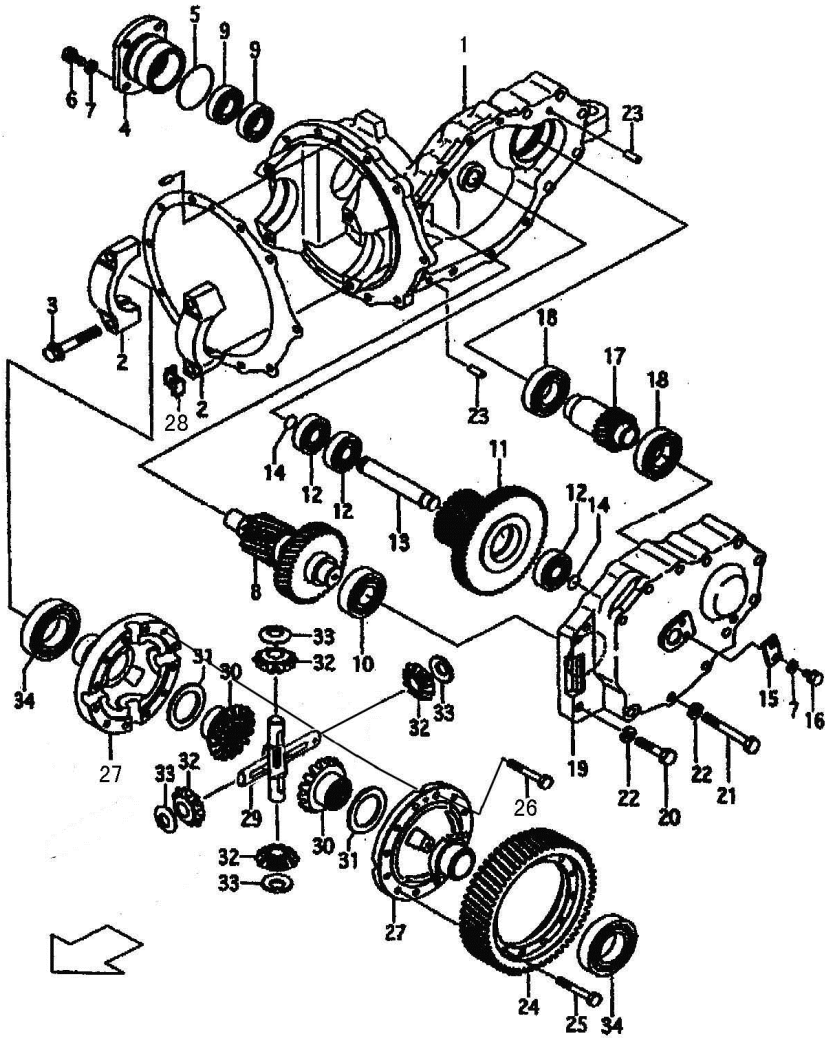


序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
16	GB5786-86	螺栓 M10×1.25×15 Bolt M10×1.25×15	2	
17	HDCS40-0201	输入齿轮 Pinion,Input	1	
18	GB276-94	轴承 6209 Bearing 6209	2	
19	HDCS40-0003	箱盖 Cover	1	
20	GB5785-86	螺栓 M12×1.25×50 Bolt M12×1.25×50	3	
21	GB5785-86	螺栓 M12×1.25×110 Bolt M12×1.25×110	8	
21	GB5785-86	螺栓 M12×1.25×75 Bolt M12×1.25×75	1	
22	GB93-87	垫圈 12 Washer 12	12	
23	GB119-86	销 B10×28 Pin B10×28	2	
24	HDCS40-1001	齿圈 Gearwheel	1	
25	HDCS40-1002	螺栓 Bolt	16	
26	HDCS40-1003	螺栓 Bolt	12	
27	HDCS40-1100	差速器壳体组合 Case,Cross	1	
28	L91631-2016	止动垫片 Washer,Locker	4	
29	YQX45-2005	十字轴 Cross	1	

图 1-3 减速箱

Fig.1-3 Transmission

Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I

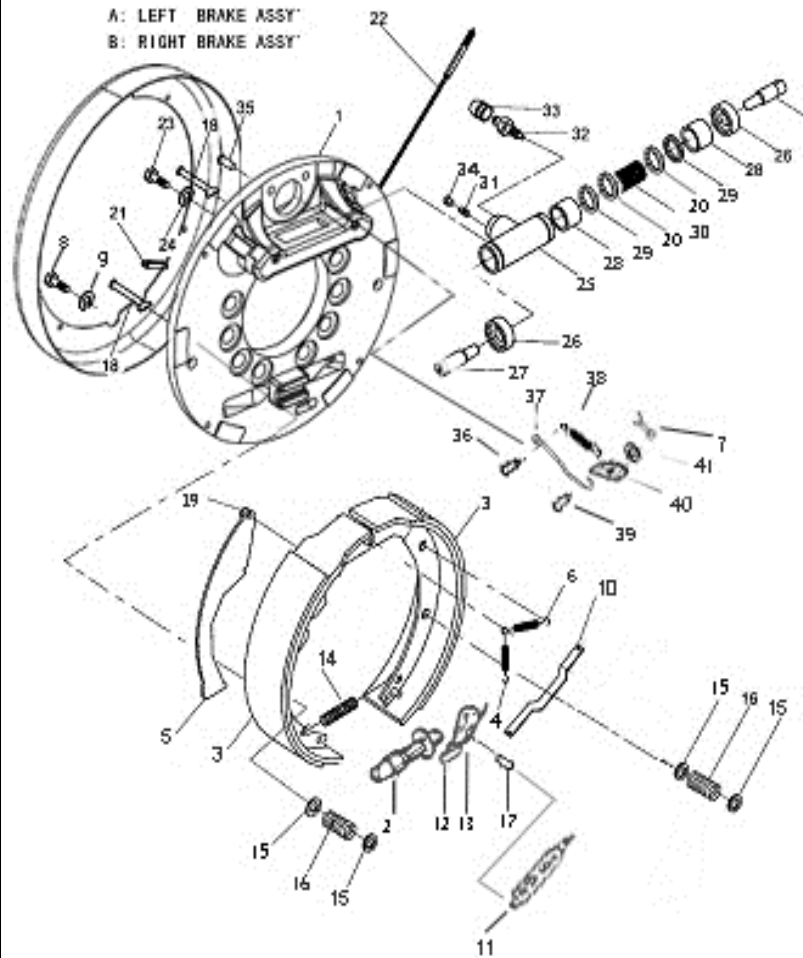


序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
30	YQX45-2001	半轴齿轮 Gear,Side	2	
31	YQX45-2001	垫圈 Washer	2	
32	YQX45-2006	行星齿轮 Gear,Pinion	4	
33	YQX45-2004	止推垫圈 Washer,Thrust	4	
34	GB297-94	圆锥滚子轴承 33016 Bearing 33016	2	

图 1-4 制动器

Fig.1-4 Wheel brake

Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I

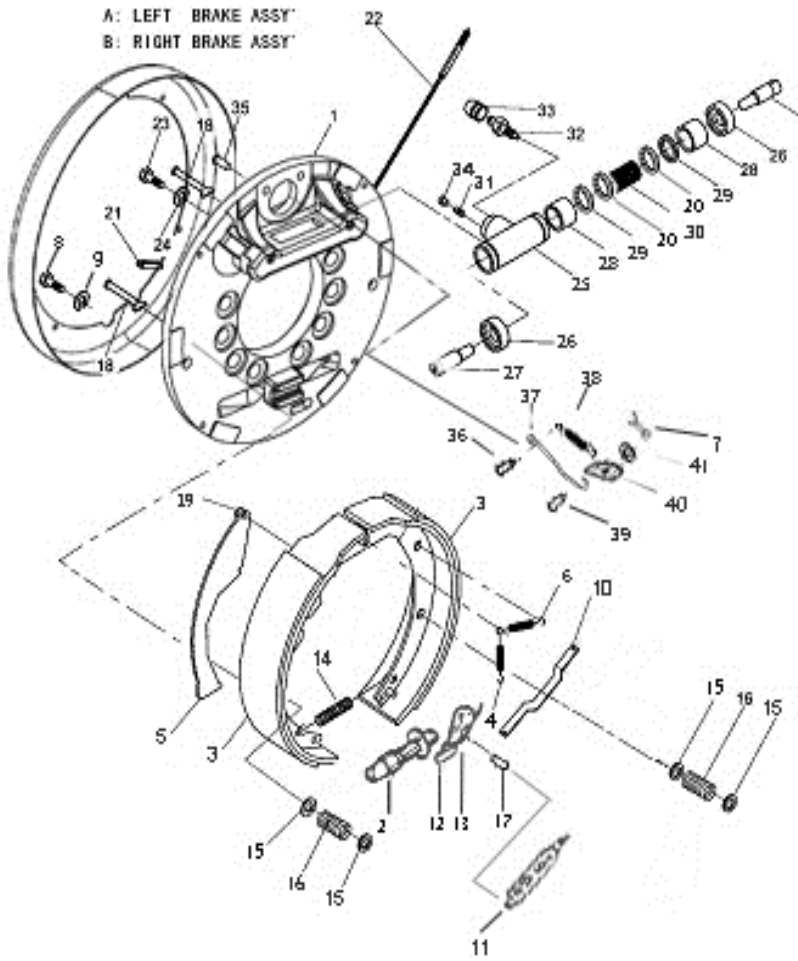


序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
A	APZ452-113000-000	制动器 (左) Brake assy, L.H.	1	R450-113100-W00
B	APZ452-114000-000	制动器 (右) Brake assy, R.H.	1	R450-114100-W00
1	HRAOIC3-704	制动底板 Brake plate assy	1	左右对称各一 Left & Right symmetry
2	25783-71160G	调整器总成 Adjusting cover	1	左右对称各一 Left & Right symmetry
3	HRAOIC3-705	制动蹄带摩擦片总成 Brake shoe	2	
4	25783-71330G	弹簧 E Spring E	1	
5	AOIC3-72031	手制动拉杆 Lever LH brake	1	左右对称各一 Left & Right symmetry
6	25783-71480G	弹簧 A Spring A	1	
7	GB91-86	开口销 1.6×16 Pin 1.6×16	1	
8	GB5782-86	螺栓 M6×20 Bolt M6×20	4	
9	GB96-87	垫圈 6 Washer 6	4	
10	AOIC3-72051	手制动推杆 Strut	1	
11	25783-71210G	弹簧铆接装置 Spring & fitting assy	1	
12	25783-71360G	弹簧 C Spring C	1	左右对称各一 Left & Right symmetry
13	25783-71480G	棘爪 Lever	1	左右对称各一 Left & Right symmetry

图 1-4 制动器

Fig.1-4 Wheel brake

Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I

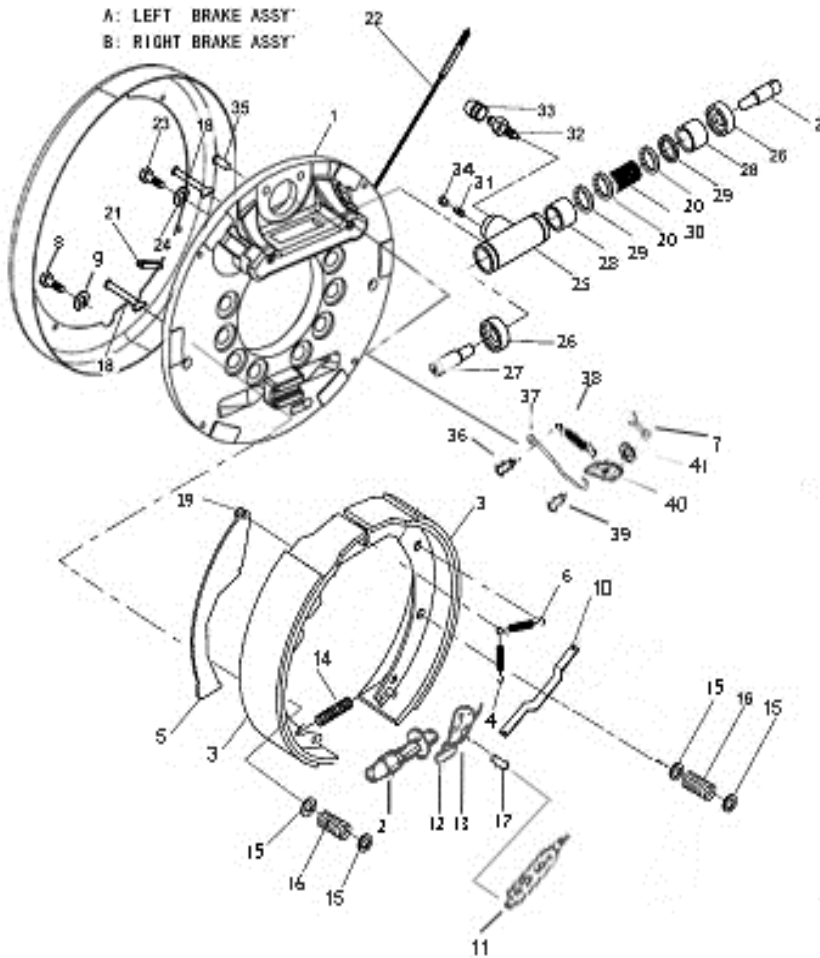


序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
14	25783-71370G	弹簧 B Spring B	1	
15	AOIC3-72001	压簧座 Washing cup	4	
16	25783-71350G	弹簧 F Spring F	2	
17	25783-71410G	销 Pin	1	
18	AOIC3-72011	压簧拉杆 Pin,Shoe hold	2	
19	25783-71460G	销 Pin	1	
20	25783-76040G	分泵皮碗 Cup,Piston	2	
21	25783-71490G	堵塞 Plug,Rubber	1	
23	GB5782-86	螺栓 M8×20 Bolt M8×20	2	
24	GB93-87	垫圈 8 Washing 8	2	
25	AOIC3-72091	制动分泵缸体 Body	1	
26	25783-72101G	制动分泵护罩 Cover,Dust	2	
27	25783-71300G	分泵活塞顶杆 Rod,Piston	2	
28	25783-71260G	分泵活塞 Piston	2	
29	25783-71270G	密封垫 Washer	2	

图 1-4 制动器

Fig.1-4 Wheel brake

Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
30	25783-71280G	分泵弹簧 D Spring D	1	
31	24433-76070G	制动分泵油塞 Seat,Tube	1	
32	24433-76090G	分泵放气螺钉 Screw,Bleeder	1	
33	24433-76100G	分泵放气螺钉帽 Cap,Screw	1	
34	24433-76090G	螺纹防护罩 Cap,Screw	1	
35	22493-71020G	铆钉 Rivet	1	
36	25783-71450G	销 Pin	1	
37	25783-71470G	上拉杆 Lever	1	左右对称各一 Left & Right symmetry
38	25783-71480G	弹簧 A Spring A	1	
39	25783-71430G	销 Pin	1	
40	25783-71500G	摇臂 Lever	1	
41	25783-71390G	垫片 Washer	1	

图 1-5 前轮  
Fig.1-5 Front wheel

Ⓐ CPD40/45/50-AZ4    Ⓑ CPD40/45/50-AC4    Ⓒ CPD40/45/50-AC4-I

序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
1	APZ452-112000-000	轮辋总成 Wheel rim	2	4.0t~4.5t
1	APZ502-120000-000	轮辋总成 Wheel rim	2	5.0t
2	GT10823-0025015-00	轮胎 250-15 Tyre 250-15	2	4.0t~4.5t
2	GT10823-2812515-38	轮胎 28x12.5-15 Tyre 28x12.5-15	2	5.0t



## 第二部分 转向系统

### Part II Steering system

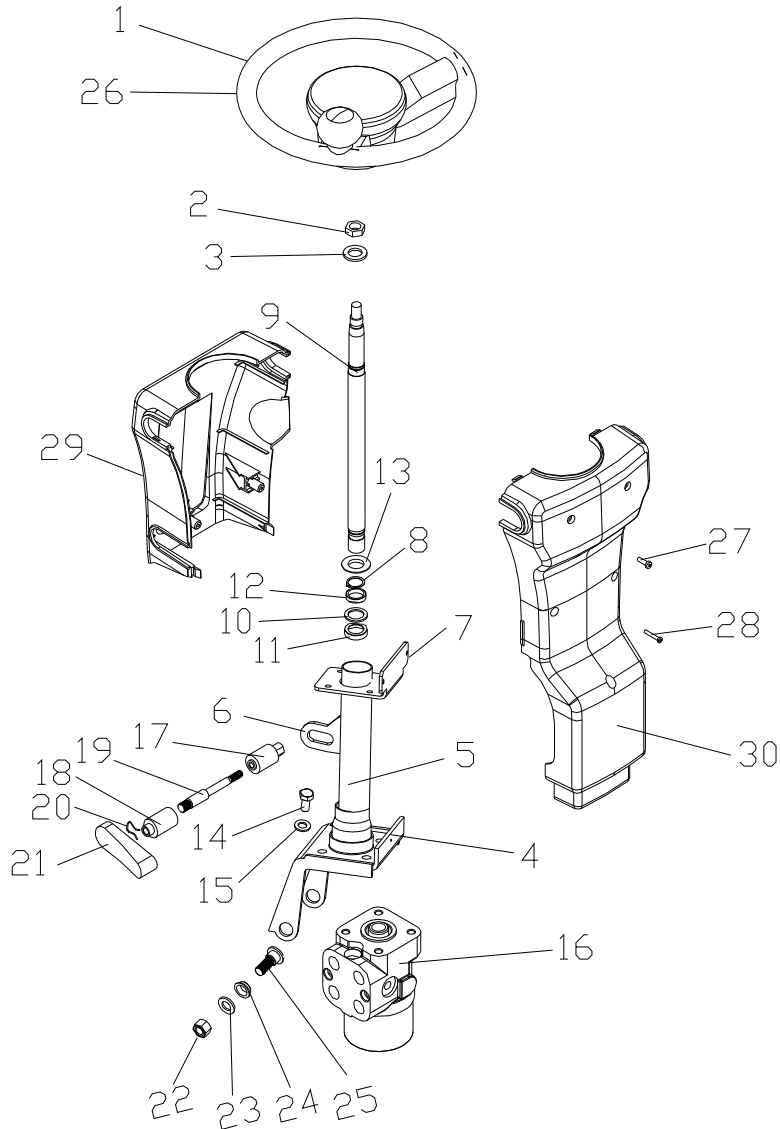
(A) CPD40/45/50-AZ4 (B) CPD40/45/50-AC4 (C) CPD40/45/50-AC4-I

序号 Item	名称 Description	适用车型 Serial No.	页码 Page
图 2-1 Fig.2-1	转向装置 Steering device	(A) (B) (C)	2-1
图 2-2 Fig.2-2	转向桥 1 Steering axle 1	(A) (B) (C)	2-3
图 2-3 Fig.2-3	转向桥 2 Steering axle 2	(A) (B) (C)	2-6
图 2-4 Fig.2-4	转向油缸 Steering cylinder	(A) (B) (C)	2-7
图 2-5 Fig.2-5	车轮总成 Rear wheel assy	(A) (B) (C)	2-8

图 2-1 转向装置

Fig.2-1 Steering device

Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I



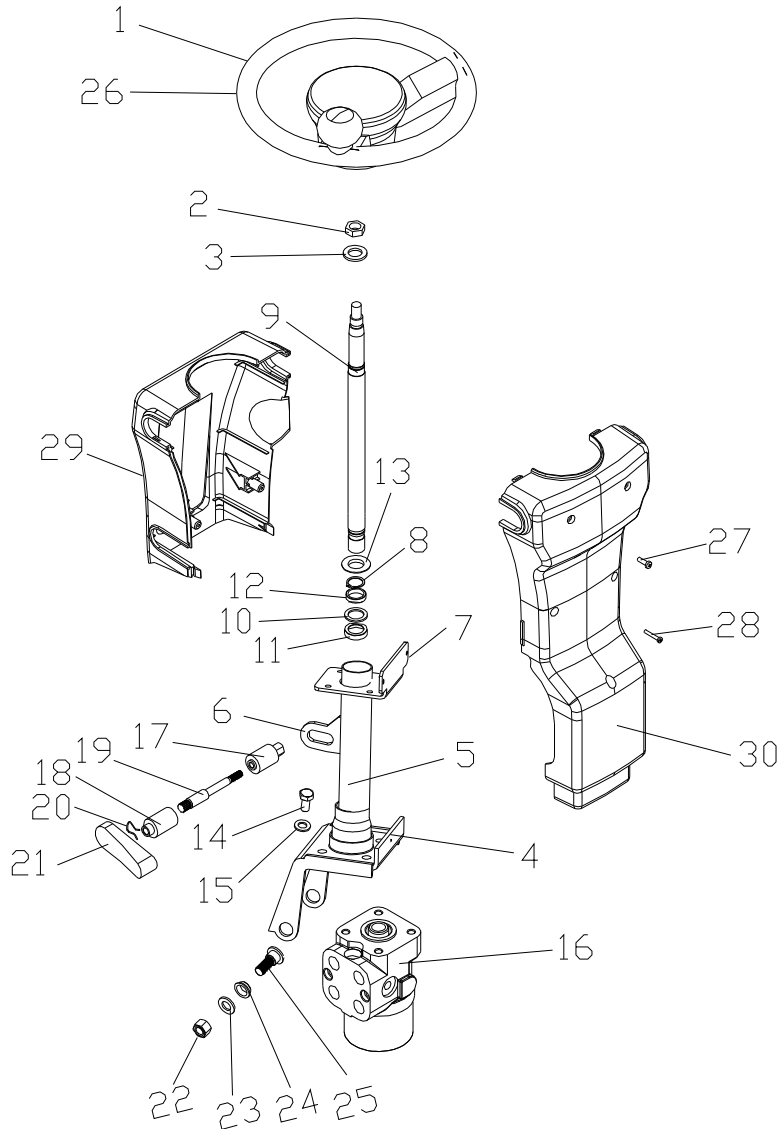
序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
1	X700-211000-000	方向盘总成 Steering wheel assy	1	
2	2QD-210001	方向盘螺母 Steering wheel nut	1	
3	G000093-000016-00	垫圈 16 Washer 16	1	
4	XF250-212101-000	转向器安装板 Steering gear mounting plate	1	
5	XF250-212110-000	转向管 Steering pipe	1	
6	X700-212101-000	限位板 Plate	1	
7	X700-212110-000	组合开关安装板 Combined switch mounting plate	1	
8	G0891P1-000020-00	挡圈 20 Snap ring 20	2	
9	XF250-212001-000	转向轴 Steering shaft	1	
10	XF250-212002-000	调整垫圈 Adjusting washer	1	
11	XF250-212003-000	垫片 Shim	1	
12	XF250-212004-000	隔套 Sleeve	1	
13	XF250-212005-000	防尘套 Dust proof bush	1	
14	G005783-010020-00	螺栓 M10×20 Bolt M10×20	4	
15	G000093-000010-00	垫圈 10 Washer 10	4	



图 2-1 转向装置

Fig.2-1 Steering device

Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
16	APZ452-212000-000	全液压转向器 Full hydraulic steering gear	1	
17	XF250-210001-000	锁紧轴套 I Locking sleeve I	1	
18	XF250-210002-000	锁紧轴套 II Locking sleeve II	1	
19	XF250-210003-000	锁紧轴 Locking shaft	1	
20	XF250-210005-000	卡簧 Circlip	1	
21	XF250-213000-000	锁紧手柄 Locking handle	1	
22	G006184-000012-00	螺母 M12 Nut M12	2	
23	G0097P1-000012-00	垫圈 12 Washer 12	2	
24	XF250-210004-000	衬套 Bush	2	
25	XF250-210006-000	螺栓 Bolt	2	
26	XB450-211000-000	方向盘总成 Steering wheel assy	1	曼尼通车专用
27	G907408-005016-00	螺钉组合件 M5×16 Screw assembly M5×16	3	
28	G907408-004025-00	螺钉组合件 M4×25 Screw assembly M4×25	2	
29	JG800-740001-000	开关前护罩 Front switch cover	1	
30	X700-430402-000	开关后护罩 Back switch cover	1	

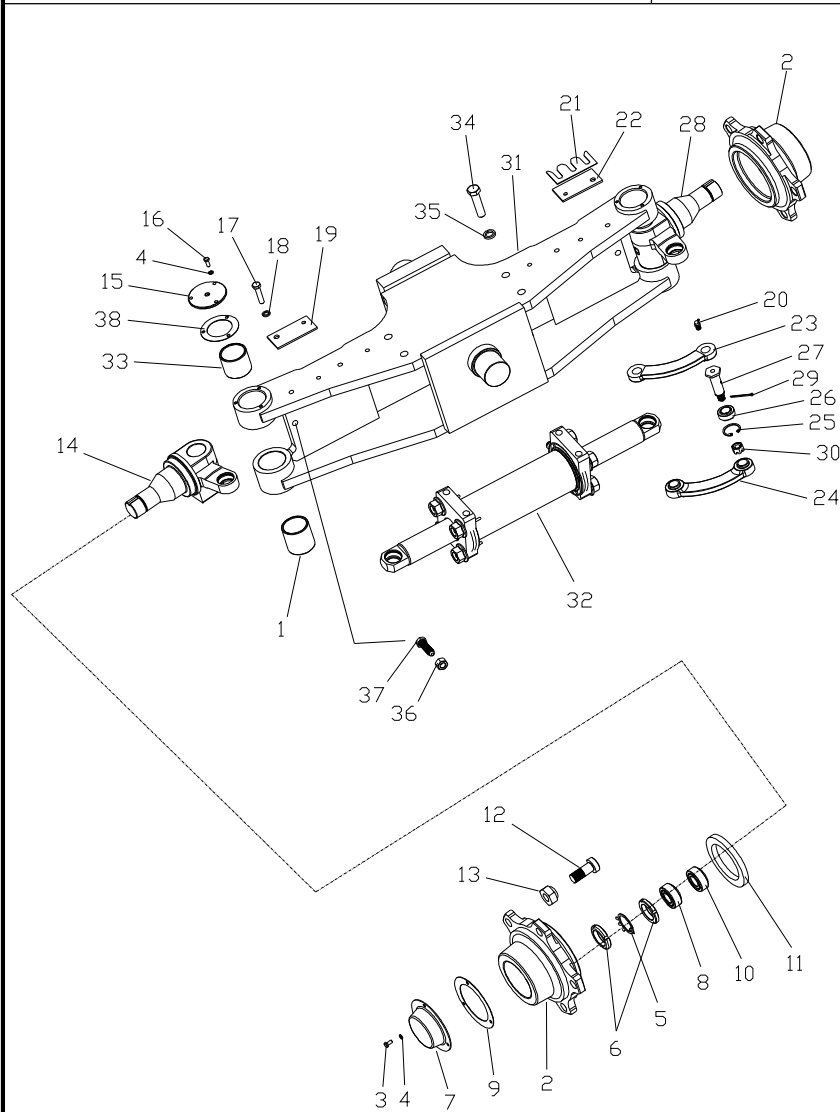
图 2-2 转向桥 1  
Fig.2-2 Steering axle 1

Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I

序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
1	R450-220016-000	钢套 II Steel sleeve II	2	
2	40D-410003	转向轮毂 Steering hub	2	
3	G005783-006010-00	螺栓 M6×10 Bolt M6×10	6	
4	G000093-000006-00	垫圈 6 Washer 6	18	
5	G000858-000040-00	垫圈 40 Washer 40	2	
6	G000812-000040-01	螺母 M40×1.5 Nut M40×1.5	4	
7	40D-410001	轮毂盖 Hub cover	2	
8	GT00297-0032308-00	轴承 32308 Bearing 32308	2	
9	40D-410002	软垫 Gasket	2	
10	GT00297-0032213-00	轴承 32213 Bearing 32213	2	
11	HG40692-090012512-00	油封 PD90×125×12 Oil seal PD90×125×12	2	
12	40D-410004	轮毂螺栓 Hub bolt	10	
13	3-11-00-06	螺母 Nut	10	
14	R450-220003-000	左转向节 Left steering knuckle	1	
15	R450-220011-001	盖板 Cover	4	

图 2-2 转向桥 1  
Fig.2-2 Steering axle 1

Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
16	G005783-006016-00	螺栓 M6×16 Bolt M6×16	12	
17	G005786-010030-00	螺栓 M10×1.25×30 Bolt M10×1.25×30	2	
18	G000093-000010-00	垫圈 10 Washer 10	2	
19	N163-223000-000	左限位板 Plate	1	
20	Q701B45-NPT1/16-G00	油杯 Grease nipple	4	
21	N163-220004-000	调整垫片 Adjusting shim	2	
22	N163-225000-000	右限位板 Plate	1	
23	R450-220004-000	上联杆 Tie-rod bar	2	
24	R450-220005-000	下联杆 Tie-rod bar	2	
25	G0893P2-000035-00	孔用弹性挡圈-B型35 hole-type B 35	2	
26	G009163-2000000-03	轴承 GE20ES-2RS Bearing GE20ES-2RS	2	
27	N163-220005-000	销轴 Pin shaft	4	
28	R450-220006-000	右转向节 Right steering knuckle	1	
29	G000091-3P2040-00	销3.2×40 Pin 3.2×40	4	
30	G009459-000014-01	螺母M14×1.5 Nut M14×1.5	4	

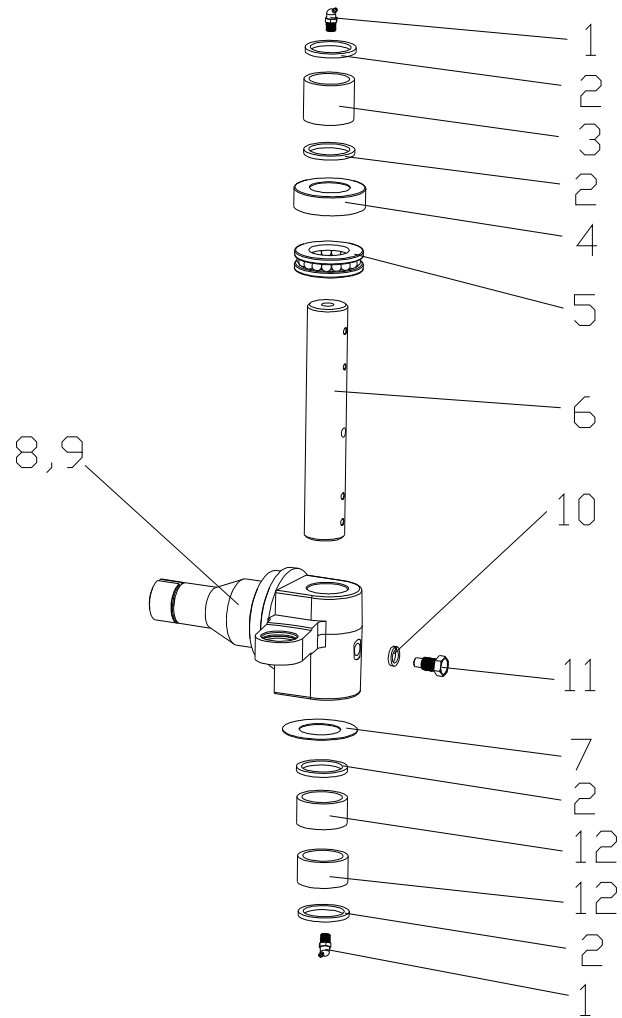
图 2-2 转向桥 1  
Fig.2-2 Steering axle 1

Ⓐ CPD40/45/50-AZ4    Ⓑ CPD40/45/50-AC4    Ⓒ CPD40/45/50-AC4-I

序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
31	R450-222000-001	转向桥体 Steering axle body	1	
32	R450-223000-000	转向油缸 Steering cylinder	1	
33	R450-220015-000	钢套 I Steel sleeve I	2	
34	G005786-016045-01	螺栓M16×1.5×45 Bolt M16×1.5×45	4	
35	G000093-000016-00	垫圈16 Washer 16	4	
36	G006171-000014-02	螺母M14×1.5 Nut M14×1.5	2	
37	N163-220024-000	限位螺栓 Bolt	2	
38	R450-220014-000	主销端盖衬垫 Gasket	4	

图 2-3 转向桥 2  
Fig.2-3 Steering axle 2

Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I

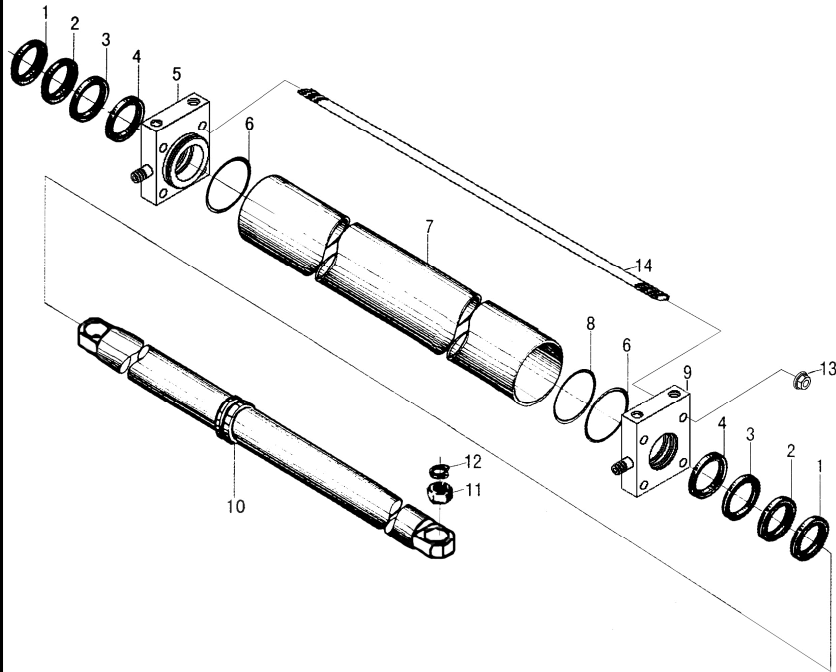


序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
1	Q701B45-NPT1/8-G00	油杯 Grease nipple	4	
2	R450-220009-000	密封圈 Oil seal	8	
3	JT07918-0405040-00	组件 K 型 K405040 Cage assy type K K405040	2	
4	R450-220007-000	防尘套 Dust proof bush	2	
5	GT00301-0051208-00	轴承51208 Bearing 51208	2	
6	R450-220010-000	转向节主销 King pin	2	
7	R450-220008-000	调整垫片 Adjusting shim	1	
8	R450-220003-000	左转向节 Left steering knuckle	1	
9	R450-220006-000	右转向节 Right steering knuckle	2	
10	G000093-000012-00	垫圈12 Washer 12	2	
11	40D-410014	螺钉 Screw	2	
12	JT07918-0405026-00	轴承K405026 Bearing K405026	4	

图 2-4 转向油缸  
Fig.2-4 Steering cylinder

Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I

序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
A	R450-223000-000	转向油缸 Steering cylinder	1	
1	CL0087C3-G00	LBH 防尘圈 d50 Dust proof ring d50	2	
2	3E-215005	保护圈 Protect ring	2	
3	FU0619K0-G00	ISI 密封圈 d50 Seal ring d50	2	
4	SF-1-5035-G00	复合衬套 5035 Bush 5035	2	
5	R450-223400-W00	右导向套 Right guide bush	1	
6	G001235-008003P5-00	O 形密封圈 80×3.5 O-Ring 80×3.5	2	
7	R450-223200-W00	缸筒 Cylinder body	1	
8	PT0300800-T46NA-G00	格莱圈 D80 Ring D80	1	
9	R450-223300-W00	左导向套 Left guide bush	1	
10	R450-223100-W00	活塞杆 Piston rod	1	
11	G009163-2000000-03	轴承 GE20ES-2RS Bearing GE20ES-2RS	2	
12	G0893P2-000035-00	孔用弹性挡圈-B型35 Circlips for hole-type B 35	2	
13	SPL6177.2-2004-G00	螺母 M12×1.25 Nut M12×1.25	8	
14	R450-223001-W00	螺杆 Rod	4	





### 第三部分 车身系统

### Part III Body system

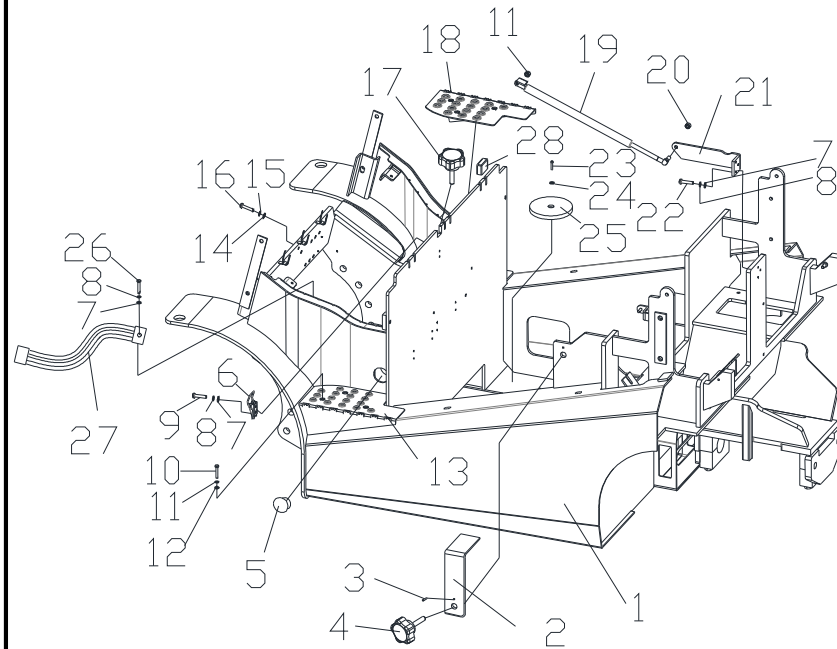
Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I

序号 Item	名称 Description	适用车型 Serial No.	页码 Page
图 3-1 Fig.3-1	车身系统 1 Body system 1	Ⓐ Ⓑ Ⓒ	3-1
图 3-2 Fig.3-2	车身系统 2 Body system 2	Ⓐ Ⓑ Ⓒ	3-3
图 3-3 Fig.3-3	车身系统 3 Body system 3	Ⓐ Ⓑ Ⓒ	3-4
图 3-4 Fig.3-4	平衡重 Counter weight	Ⓐ Ⓑ Ⓒ	3-5
图 3-5 Fig.3-5	护顶架 Overhead guard	Ⓐ Ⓑ Ⓒ	3-6



图 3-1 车身系统 1  
Fig.3-1 Body system 1

Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
1	APZ452-410000-000	车架 Frame	1	
2	2ME4251-400021-000	弯板 Bending plate	1	
3	2ME4251-400022-000	圆柱销 Pin	1	
4	ME4251-401000-000	直纹把手 Handle	1	
5	JG800-400001-000	塞子 Plug	2	
6	NP15C-404000-G00	锁扣 Lock catch	1	
7	G0097P1-000006-00	垫圈 6 Washer 6	10	Ⓐ Ⓑ
7	G0097P1-000006-00	垫圈 6 Washer 6	8	Ⓒ
8	G000093-000006-00	垫圈 6 Washer 6	6	
9	G005783-006010-00	螺栓 M6×10 Bolt M6×10	6	Ⓐ Ⓑ
9	G005783-006010-00	螺栓 M6×10 Bolt M6×10	2	Ⓒ
10	G002672-008016-00	螺栓 M8×16 Bolt M8×16	6	
11	G000093-000008-00	垫圈 8 Washer 8	6	
12	G0097P1-000008-00	垫圈 8 Washer 8	8	
13	APZ452-400300-000	左踏板 Left pedal	1	

图 3-1 车身系统 1  
Fig.3-1 Body system 1

Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I

序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
14	30DH-400015A	垫片 Shim	3	
15	G000093-000010-00	垫圈 10 Washer 10	3	
16	G005783-010020-00	螺栓 M10×20 Bolt M10×20	3	
17	AS161-400006-000	把手 Handle	2	
18	APZ452-400400-000	右踏板 Right pedal	1	
19	G460-430800-000	气弹簧总成 Air spring	1	
20	G001337-000012-00	螺母 12 Nut 12	1	
21	APZ452-400003-000	气弹簧支架 Air spring bracket	1	
22	G005783-006025-00	螺栓 M6×25 Bolt M6×25	3	
23	G006190-006025-00	螺栓 M6×25 Bolt M6×25	4	
24	G000096-000006-00	垫圈 6 Washer 6	4	
25	JS160-4000015-000	橡胶垫 Rubber pad	4	
26	G005783-006016-01	螺栓 M6×16 Bolt M6×16	1	
27	JR140-120000-000	导电链条 Conductive chain	1	
28	JS160-400007-000	垫块 Block	3	

图 3-2 车身系统 2  
Fig.3-2 Body system 2

Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I

序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
1	APZ452-420201-000	左护罩 Left guard	1	
2	XB450-420204-000	后护罩 Back guard	1	
3	APZ452-420202-000	右护罩 Right guard	1	
4	X700-430506-W00	扣子 Clasp	6	
5	XB450-420203-000	前护罩 Front guard	1	
6	X700-430505-W00	杯子 Cup	1	
7	X700-430507-W00	盖子 Cover	1	
8	APZ452-421000-000	仪表架 Instrument rack	1	
9	G907408-006016-00	螺钉组合件 M6×16 Screw M6×16	5	
10	G907417-008016-00	螺栓组合件 M8×16 Screw M8×16	4	
11	APZ452-400600-000	踏板垫 Pedal pad	1	
12	APZ452-400002-000	密封条 Seal strip	2	
13	APZ452-400500-000	前底板 Front floor	1	
14	XB450-431001-000	密封条 Seal strip	1	
15	APZ452-400001-000	后底板 Back floor	1	

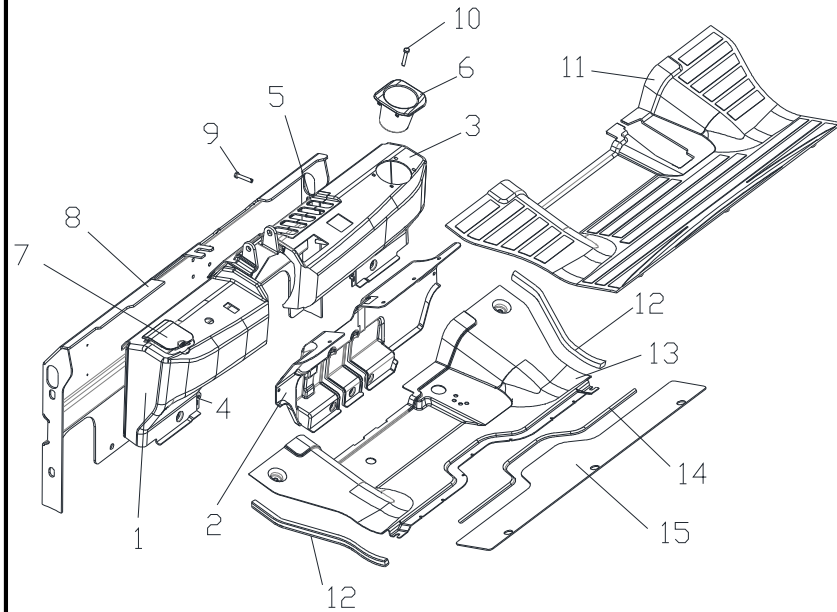


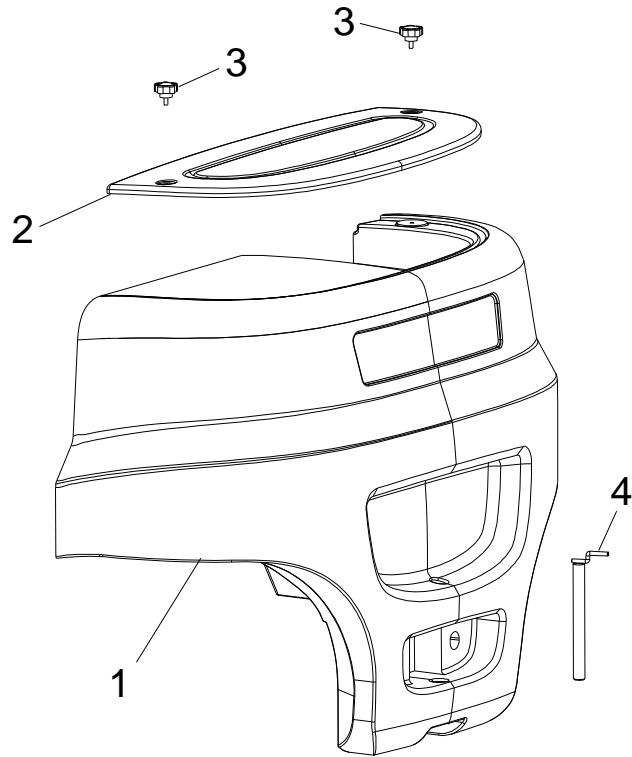
图 3-3 车身系统 3  
Fig.3-3 Body system 3

Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I

序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
1	APZ452-400200-000	右罩板 Right cover plate	1	
2	APZ452-400100-000 AIPC452-400100-000	左罩板 Left cover plate	1	Ⓐ Ⓑ Ⓒ
3	AS161-400006-000	把手 Handle	2	
4	APZ452-430000-000	机盖 Machine cover	1	
5	JS160-400003-000	销轴 Pin	2	
6	G000859-000010-00	垫圈 10 Washer 10	2	
7	G000093-000005-00	垫圈 5 Washer 5	2	
8	G006170-000005-00	螺母 M5 Nut M5	2	
9	G000882-008024-00	销轴 8×24 Pin 8×24	1	
10	G0097P1-000008-00	垫圈 8 Washer 8	8	
11	HSD835x280x50-G00	气弹簧 Air spring	1	
12	G001337-000008-00	螺母 M8 Nut M8	1	
13	G000067-005025-00	螺钉 M5×25 Screw M5×25	2	
14	G0097P1-000005-00	垫圈 5 Washer 5	2	
15	A-019901-02-G00	扶手 Handrail	1	

图 3-4 平衡重  
Fig.3-4 Counter weight

Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I

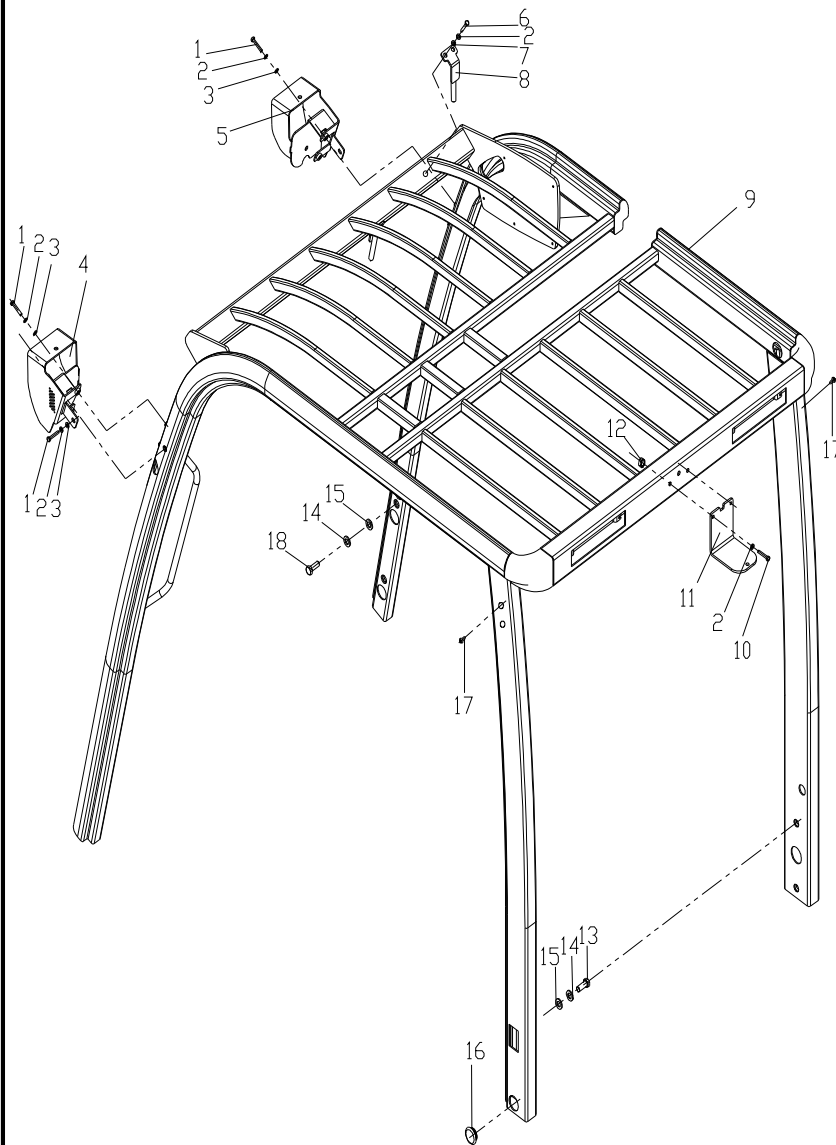


序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
1	APZ402-020001-000	平衡重 Balance weight	1	4.0t
1	APZ452-020001-000	平衡重 Balance weight	1	4.5t
1	APZ502-020001-000	平衡重 Balance weight	1	5.0t
1	AIPC452-040000-000	平衡重 Balance weight	1	CPD40/45-AZ4-I
2	APZ452-020002-000	配重盖板 Balance weight cover	1	
3	JP300-400010-000	把手 Handle	2	
4	JP300-021000-000	牵引销 Traction pin	1	

图 3-5 护顶架

Fig.3-5 Overhead guard

Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I

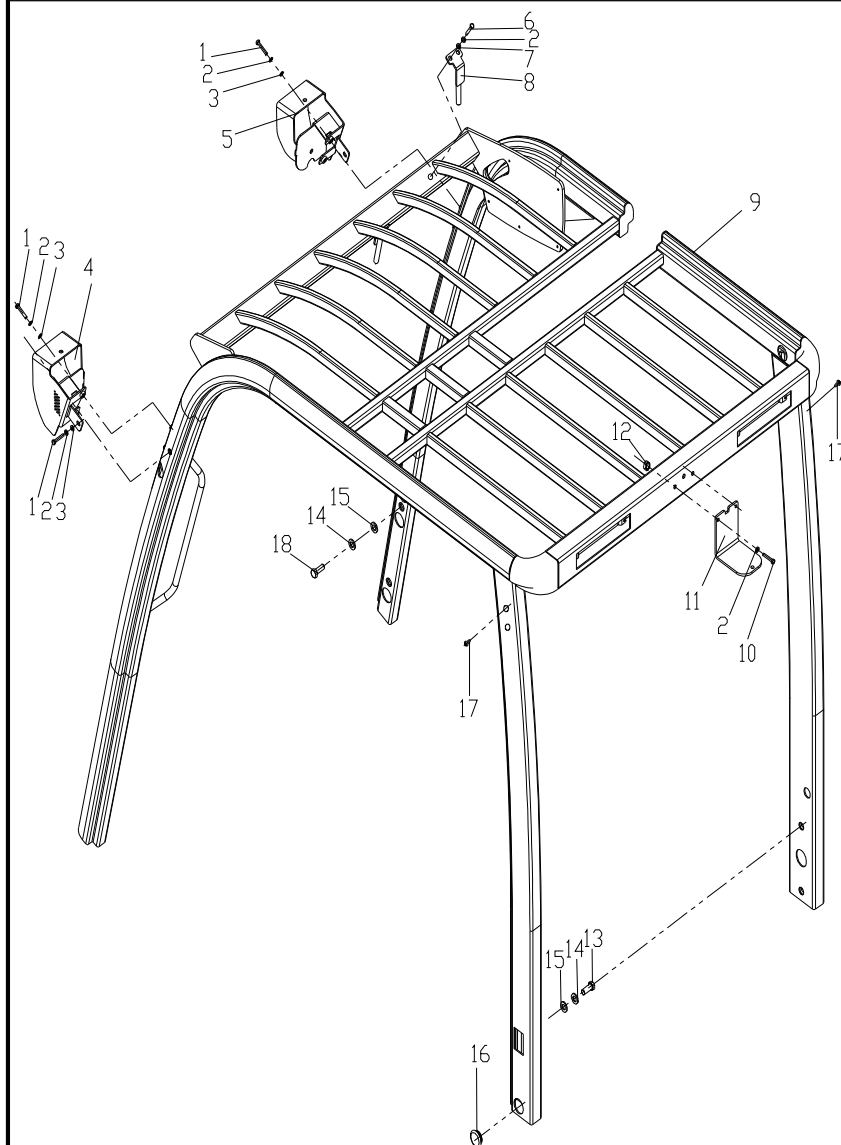


序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
1	G005783-006035-00	螺栓 M6×35 Bolt M6×35	6	
2	G000093-000006-00	垫圈 6 Washer 6	10	Ⓐ Ⓑ
2	G000093-000006-00	垫圈 6 Washer 6	8	Ⓒ
3	G0097P1-000006-00	垫圈 6 Washer 6	6	
4	AS161-300100-000	左灯架 L.H. light bracket	1	
5	AS161-300200-000	右灯架 R.H. light bracket	1	
6	G005783-006010-00	螺栓 M6×10 Bolt M6×10	2	
7	G000095-000006-00	垫圈 6 Washer 6	2	
8	APZ452-300300-000	后视镜支架 Rear mirror bracket	1	
9	APZ452-310000-000	护顶架 Overhead guard	1	
10	G005783-006025-00	螺栓 M6×25 Bolt M6×25	2	
11	JS160-300003-000	警灯支架 Alarm lamp bracket	1	
12	G178801-000006-00	平头铆螺母 M6 Nut M6	2	
13	G005783-012030-00	螺栓 M12×30 Bolt M12×30	4	
14	G000093-000012-00	垫圈 12 Washer 12	8	

图 3-5 护顶架

Fig.3-5 Overhead guard

Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
15	G000095-000012-00	垫圈 12 Washer 12	8	
16	N163-800004-000	橡胶塞 Rubber plug	4	
17	N163-420100-000	螺钉组件 Screw assy	4	
18	G005783-012035-00	螺栓 M12x35 Bolt M12x35	4	

## 第四部分 操纵系统

### Part IV Control system

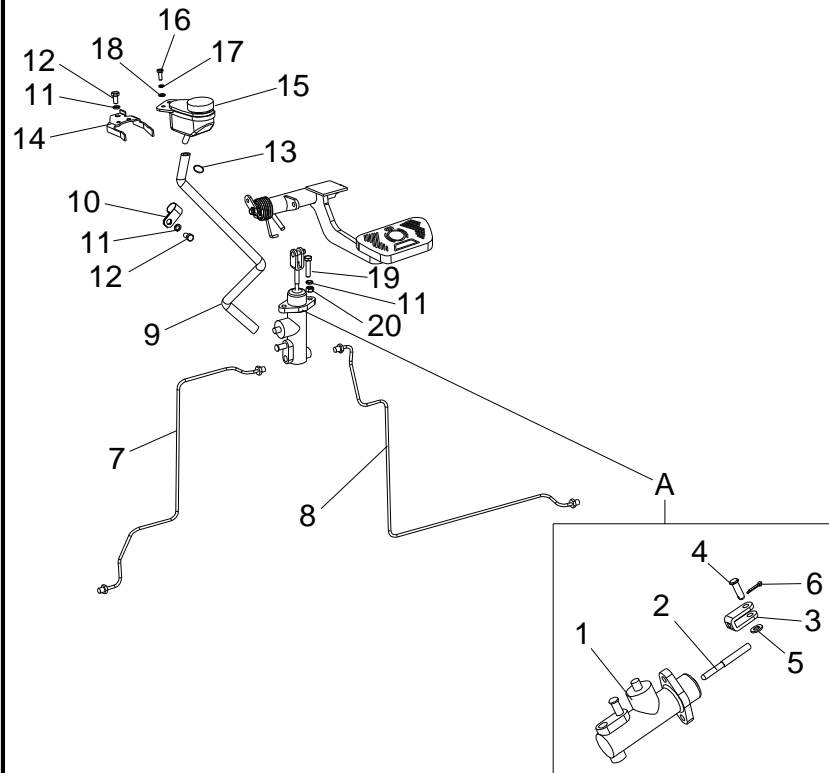
Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I

序号 Item	名称 Description	适用车型 Serial No.	页码 Page
图 4-1 Fig.4-1	制动操纵 Brake control	Ⓐ Ⓑ Ⓒ	4-1
图 4-2 Fig.4-2	制动踏板 Brake pedal	Ⓐ Ⓑ Ⓒ	4-3



图 4-1 制动操纵  
Fig.4-1 Brake control

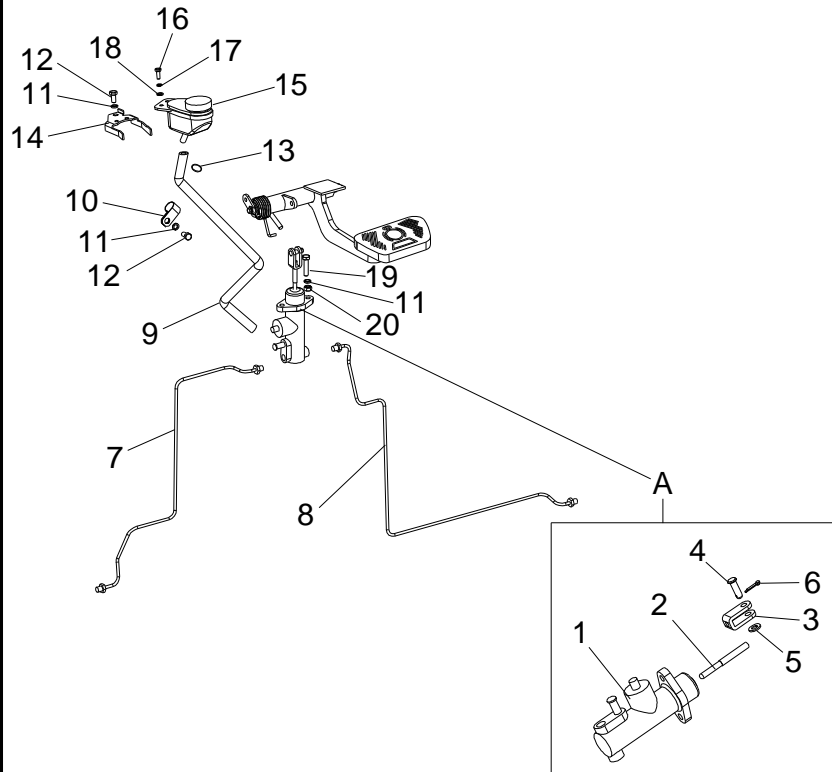
Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
A	JP451-525000-000	制动总泵 Brake master cylinder	1	
1	JP451-525001-W00	制动总泵 Brake master cylinder	1	
2	JP451-525002-W00	杆 Rod	1	
3	JP451-525003-W00	弯头 Elbow	1	
4	G00882-008025-01	销轴 B8×25 Pin shaft B8×25	1	
5	G0097P1-000008-00	垫圈 8 Washer 8	1	
6	G000091-3P2014-00	销 3.2×14 Pin 3.2×14	1	
7	APZ452-511000-000	左制动油管 Brake pipe,L.H.	1	
8	APZ452-512000-000	右制动油管 Brake pipe,R.H.	1	
9	XB450-540001-000	胶管 Rubber	1	
10	N163-540002-000	管夹 Clip	1	
11	G000093-000008-00	垫圈 8 Washer 8	4	
12	G005783-008016-00	螺栓 M8×16 Bolt M8×16	2	
13	Q672-19-G00	双钢丝式环箍 Double steel wire ring	2	
14	XF250-540200-000	支架 Bracket	1	

图 4-1 制动操纵  
Fig.4-1 Brake control

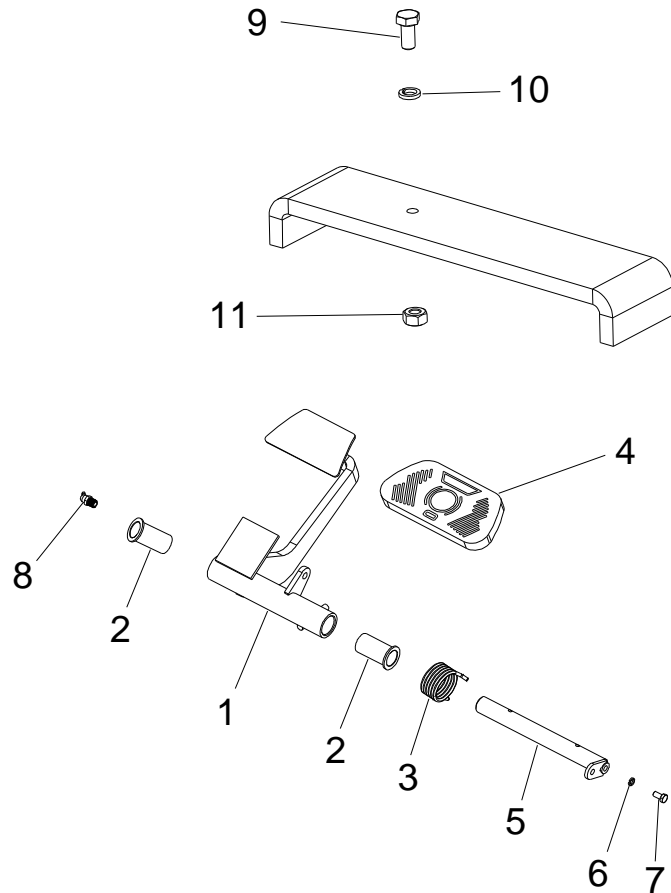
Ⓐ CPD40/45/50-AZ4   Ⓑ CPD40/45/50-AC4   Ⓒ CPD40/45/50-AC4-I



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
15	XF250-540100-000	油壶 Oiler	1	
16	G005783-006016-00	螺栓 M6×16 Bolt M6×16	2	
17	G0097P1-000006-00	垫圈 6 Washer 6	2	
18	G000093-000006-00	垫圈 6 Washer 6	2	
19	G005783-008035-00	螺栓 M8×35 Bolt M8×35	2	
20	G006170-000008-00	螺母M8 Nut M8	2	

图 4-2 制动踏板  
Fig.4-2 Brake pedal

Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
1	APZ452-521000-000	制动踏板 Brake pedal	1	
2	QY110-510001-000	套 Bush	2	
3	JP300-520001-000	扭簧 Spring	1	
4	AP250-520001-000	踏板垫 Pedal,Rubber	1	
5	JP300-522000-000	轴 Shaft	1	
6	G000093-000006-00	垫圈 6 Washer 6	1	
7	G005783-006012-00	螺栓 M6×12 Bolt M6×12	1	
8	G001152-006000-00	油杯 M6 Grease nipple M6	2	
9	G005783-008030-00	螺栓 M8×30 Bolt M8×30	1	
10	G000093-000008-00	垫圈 8 Washer 8	1	
11	G006170-000008-00	螺母 M8 Nut M8	1	

## 第五部分 液压系统

### Part V Hydraulic system

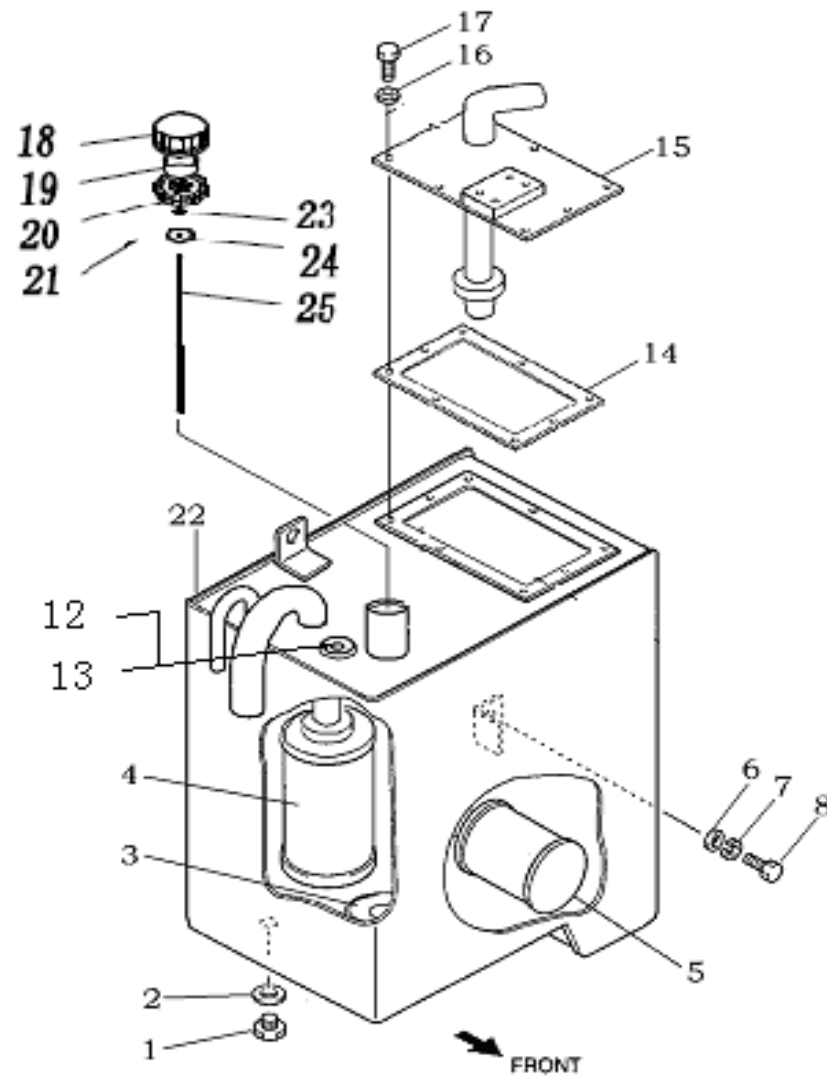
Ⓐ CPD40/45/50-AZ4   Ⓑ CPD40/45/50-AC4   Ⓒ CPD40/45/50-AC4-I

序号 Item	名称 Description	适用车型 Serial No.	页码 Page
图5-1 Fig.5-1	油箱 Oil tank	Ⓐ Ⓑ Ⓒ	5-1
图5-2 Fig.5-2	油泵装置 Pump device	Ⓐ Ⓑ Ⓒ	5-3
图5-3 Fig.5-3	液压管路 Hydraulic system	Ⓐ Ⓑ Ⓒ	5-5
图5-4 Fig.5-4	倾斜油缸管路 Tilting cylinder oil pipe	Ⓐ Ⓑ Ⓒ	5-6
图5-5 Fig.5-5	多路阀操纵 Multi-way valve control	Ⓐ Ⓑ Ⓒ	5-7
图5-6 Fig.5-6	多路阀 Multi-way valve	Ⓐ Ⓑ Ⓒ	5-11

图 5-1 油箱

Fig.5-1 Oil tank

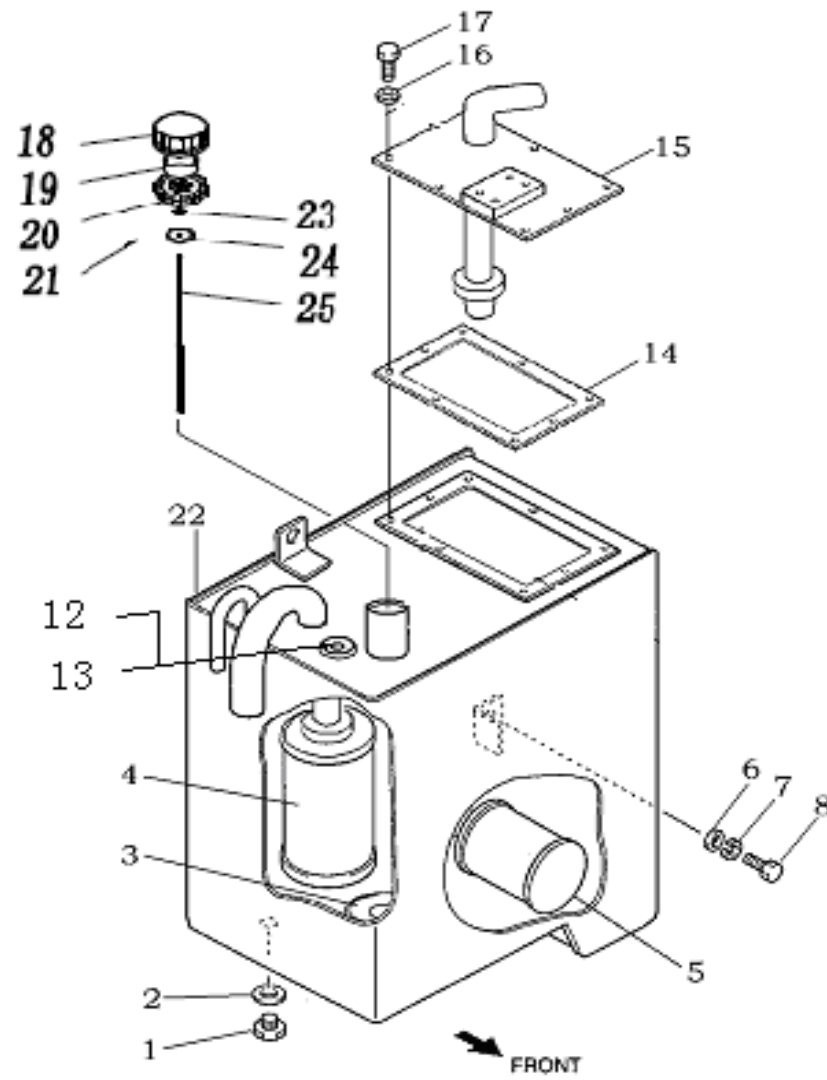
Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
1	J001001-0141P5-00	螺塞 M14×1.5 Plug M14×1.5	1	
2	J000982-000014-00	垫圈 14 Washer 14	1	
3	N163-340002-000	磁铁 Magnet	1	
4	H24C7-50201-G00	回油滤清器 Suction filter	1	
5	JP300-614000-000	吸油过滤器 Filter	1	
6	G0097P1-000008-00	垫圈 8 Washer 8	2	
7	G000093-000008-00	垫圈 8 Washer 8	2	
8	G005783-008025-00	螺栓 M8×25 Bolt M8×25	2	
12	J000982-000012-00	垫圈 12 Washer 12	1	二级全自由门架用 For DUPLEX
13	J001000-0121P5-00	螺塞 M12×1.5 Plug M12×1.5	1	二级全自由门架用 For DUPLEX
14	JP300-610001-000	垫 Packing	1	
15	APZ452-613000-000	盖板 Cover	1	
16	J000982-000006-00	垫圈 6 Washer 6	8	
17	G005783-006016-00	螺栓 M6×16 Bolt M6×16	8	
A	JP451-612000-001	油尺组件 oil dipstick assy	1	INC:18-21,23-25

图 5-1 油箱  
Fig.5-1 Oil tank

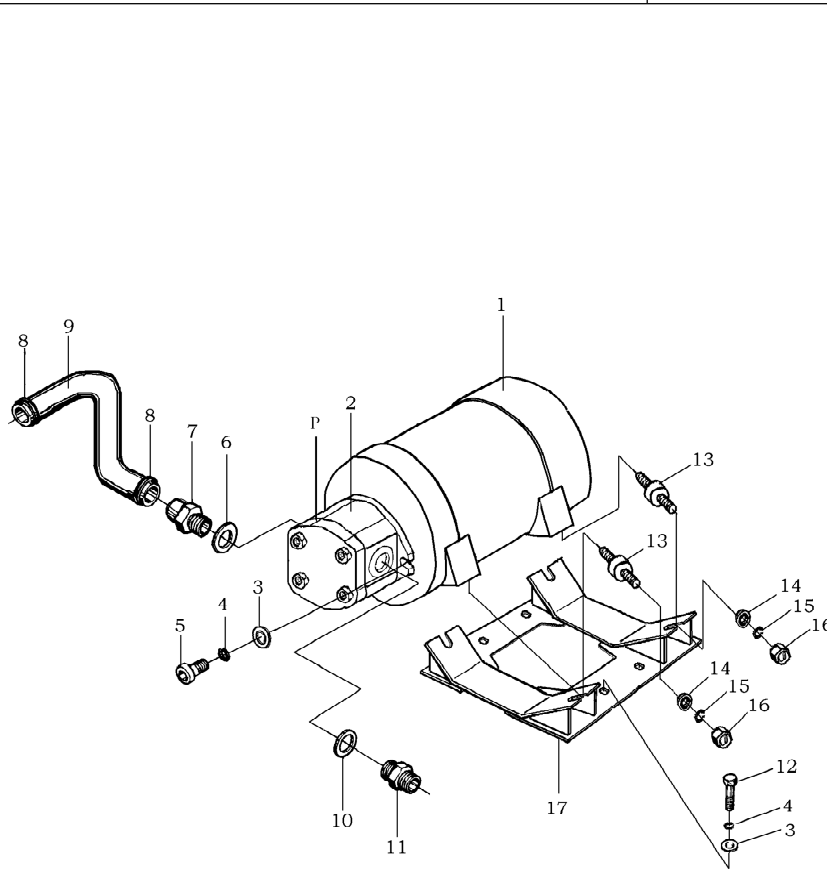
Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
18	JP300-612001-001	加油盖 Cover	1	
19	JP300-612006-W00	空滤纸柱 Filter element	1	
20	JP300-612002-001	盖芯 Cover core	1	
21	G000091-002020-00	销 2×20 Pin 2×20	2	
22	APZ452-611000-000	油箱 Oil tank	1	
23	JP300-612003-W00	弹簧卡圈 Rand	1	
24	JP300-612004-W00	挡油盖 Cover	1	
25	JP451-612005-001	油标尺 Ruler	1	

图 5-2 油泵装置  
Fig.5-2 Pump device

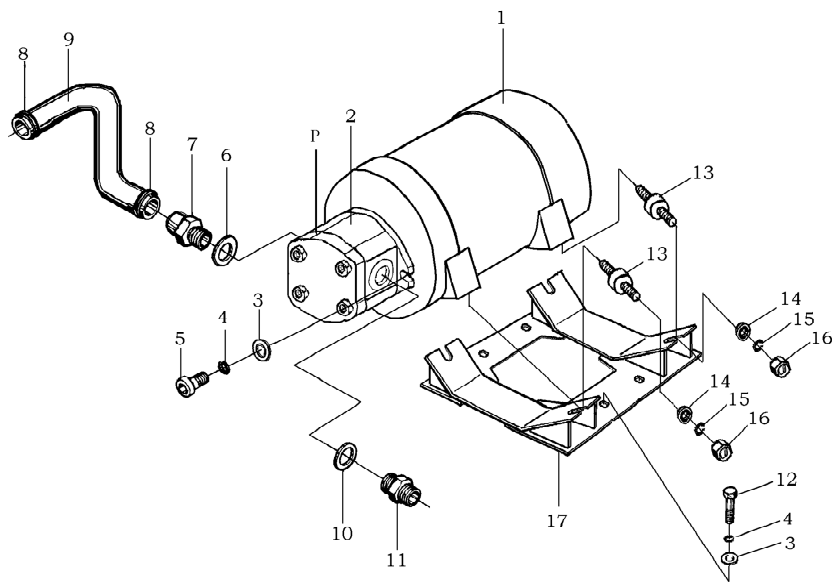
Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
1	JP452-622000-G01	油泵电机 HPB25.4-4 Pump motor HPB25.4-4	1	
2	JP451-621000-001	齿轮泵 Gear pump	1	
3	G0097P1-000010-00	垫圈 10 Washer10	6	
4	G000093-000010-00	垫圈 10 Washer 10	6	
5	G005786-010035-00	螺栓 M10×1.25×35 Bolt M10×1.25×35	2	
6	G001235-003003P5-00	O 形密封圈 35×3.5 O-Ring 35×3.5	1	
7	30DHBW9-600001	管接头 Connector	1	
8	Q672-45-G00	双钢丝式环箍 45 Clamp 45	2	
9	APZ452-600001-000	吸油管 Hose	1	
10	G001235-003003P1-00	O 形密封圈 30×3.1 O-Ring 30×3.1	1	
11	JP451-620002-000	直通接头 Connector	1	
12	G005783-010025-00	螺栓 M10×25 Bolt M10×25	4	
13	JD120-600100-000	双螺柱减震垫 Rubber	4	
14	G0097P1-000012-00	垫圈 12 Washer12	4	
15	G000093-000012-00	垫圈 12 Washer 12	4	

图 5-2 油泵装置  
Fig.5-2 Pump device

Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I



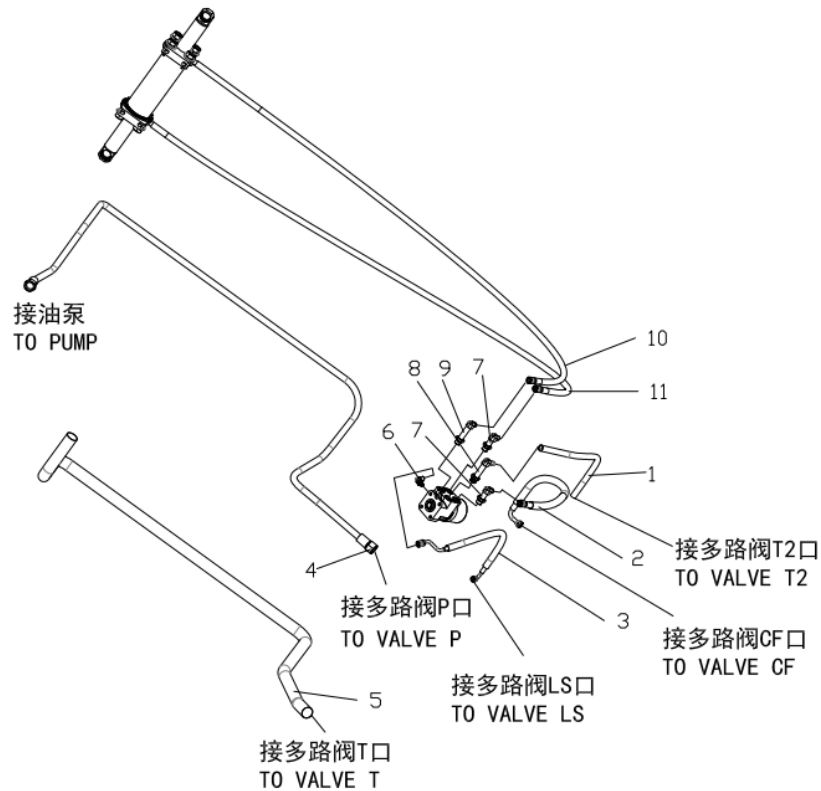
序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
16	G006176-000012-00	螺母 M12×1.25 Nut M12×1.25	4	



图 5-3 液压管路

Fig.5-3 Hydraulic system

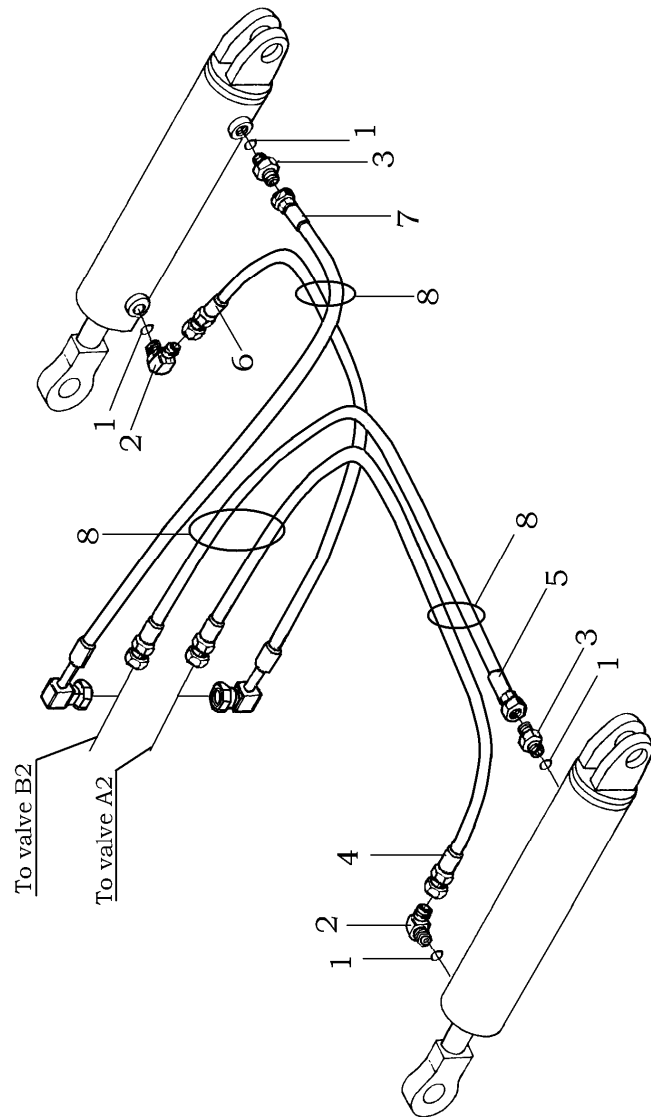
Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
1	APZ452-600007-W00	低压胶管 Hose	1	
2	APZ452-600005-000	胶管总成 Hose	1	
3	APZ452-600006-000	胶管总成 Hose	1	
4	APZ452-600002-000	胶管总成 Hose	1	
5	APZ452-600008-000	回油管 Hose	1	
6	XF250-630500-000	90°管接头 Connector	1	
7	XF250-630800-000	90°管接头 Connector	2	
8	XF250-630600-000	90°回油管接头 Connector	1	
9	XF250-630700-000	90°管接头 Connector	1	
10	APZ452-600003-000	胶管总成 Hose	1	
11	APZ452-600003-000	胶管总成 Hose	1	

图 5-4 倾斜油缸管路  
Fig.5-4 Tilting cylinder oil pipe

Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I

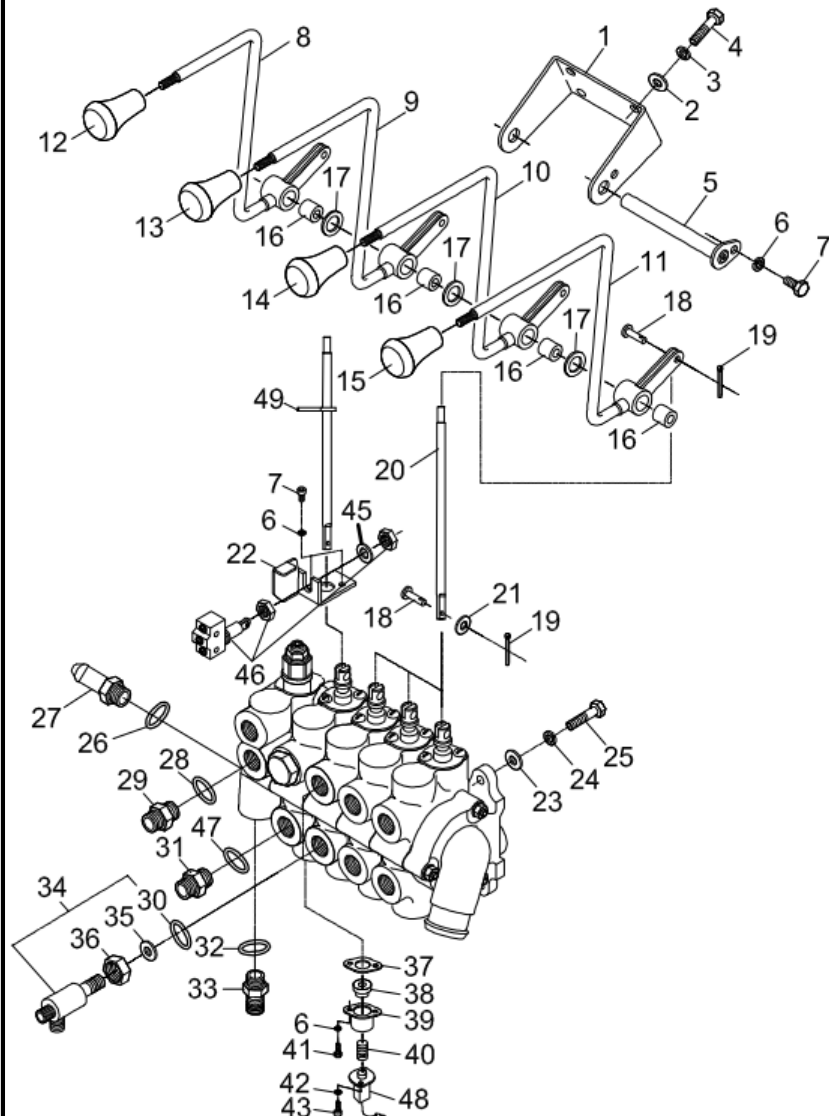


序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
1	G001235-001802P4-00	O 形密封圈 18x2.4 O-Ring 18x2.4	4	
2	40DH-600200	90°管接头 Connector	2	
3	JP451-600006-000	直通接头 Connector	2	
4	ME5451-600008-000	胶管总成 Hose	1	
5	JP451-600007-000	胶管总成 Hose	1	
6	JP451-600010-000	胶管总成 Hose	1	
7	APZ452-600004-000	胶管总成 Hose	1	
8	JP451-600012-W00	护套(Φ17x1) Nylon(Φ17x1)	3	

图 5-5 多路阀操纵

Fig.5-5 Multi-way valve control

Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I

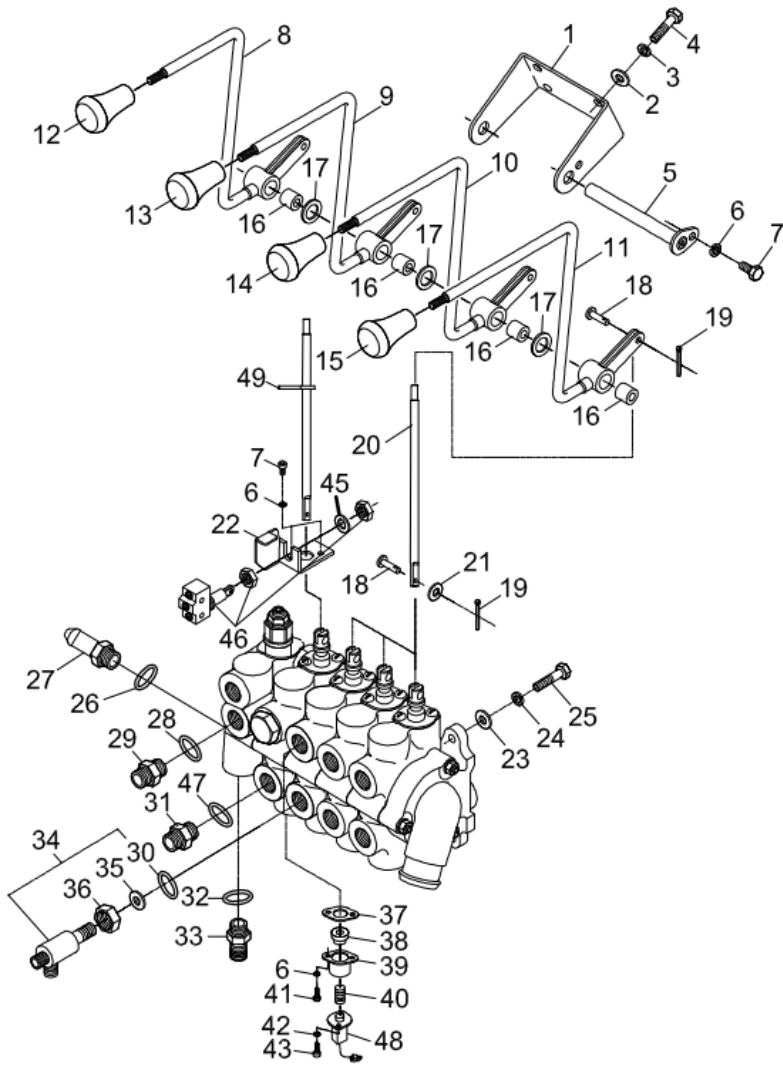


序号 Item	代号 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
1	APZ452-631000-000	支架 Bracket	1	
2	G0097P1-000008-00	垫圈 8 Washer 8	4	
3	G000093-000008-00	垫圈 8 Washer 8	4	
4	G005783-008025-00	螺栓 M8×25 Bolt M8×25	4	
5	N163-612700-000	销轴 Pin shaft	1	
6	G000093-000006-00	垫圈 6 Washer 6	5	5/7/9
7	G005783-006012-00	螺栓 M6×12 Bolt M6×12	3	3/5/7
8	JP451-644000-000	起升手柄 Lifting lever	1	
9	JP451-645000-000	倾斜手柄 Tilting lever	1	
10	JP451-646000-000	属具手柄 Attachment lever	1	
11	JP451-647000-000	属具手柄 Attachment lever	1	
12	N163-610001-000	起升手把 Handle	1	
13	N163-610002-000	倾斜手把 Handle	1	
14	30DH-610008	侧移手把 Handle	1	
15	N163-610003-000	属具手把 Handle	1	

图 5-5 多路阀操纵

Fig.5-5 Multi-way valve control

Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I

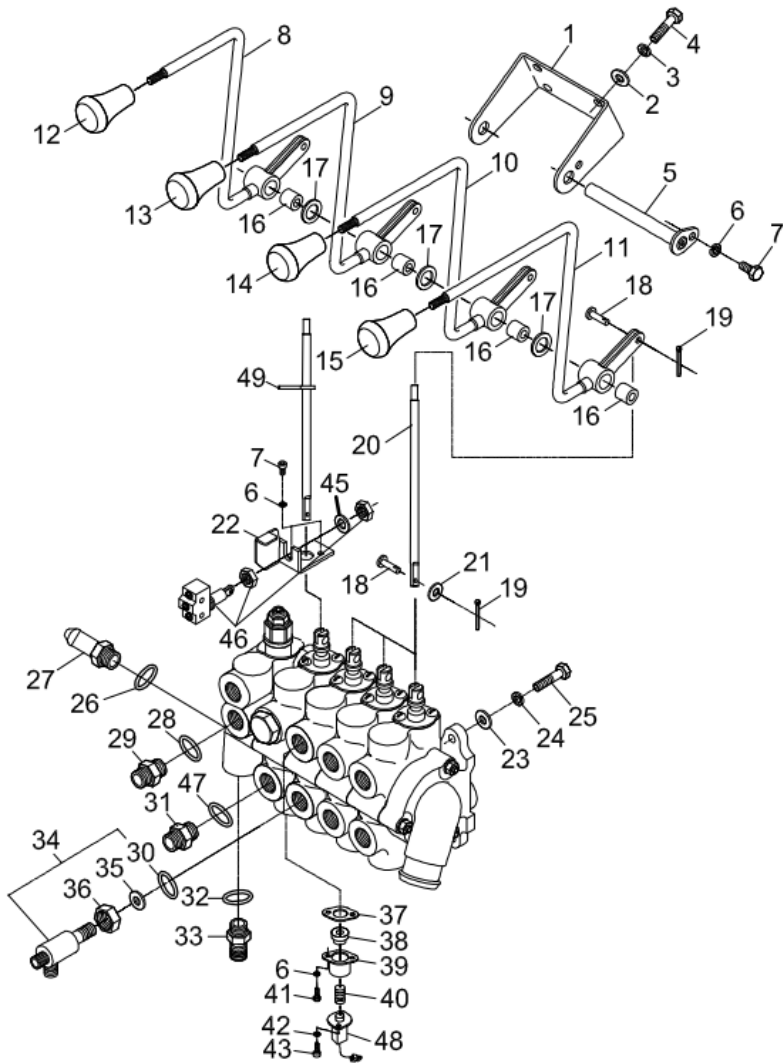


序号 Item	代号 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
16	3E-610005	轴套 Bushing	2	3 spool valve Q'ty is 3 4 spool valve Q'ty is 4
17	3E-610006	垫圈 Washer	1	3 spool valve Q'ty is 2 4 spool valve Q'ty is 3
18	25DE-71-3	销轴 Pin shaft	4	3 spool valve Q'ty is 6 4 spool valve Q'ty is 8
19	G000091-1P6012-00	销 1.6x12 Pin 1.6x12	4	3 spool valve Q'ty is 6 4 spool valve Q'ty is 8
20	APZ452-632000-000	连杆 Countershaft	1	3 spool valve Q'ty is 2 4 spool valve Q'ty is 3
21	G0097P1-000005-00	垫圈 5 Washer 5	2	3 spool valve Q'ty is 3 4 spool valve Q'ty is 4
22	25PH-613000	开关架 Switch bracket	2	3 spool valve Q'ty is 3 4 spool valve Q'ty is 4
23	G0097P1-000010-00	垫圈 10 Washer 10	3	
24	G000093-000010-00	垫圈 10 Washer 10	3	
25	G005786-010030-00	螺栓 M10x1.25x30 Bolt M10x1.25x30	3	
26	J000982-000016-00	垫圈 16 Washer 16	1	
27	JP300-640001-600	直通管接头 Connection	1	
28	G001235-003003P1-00	O 型密封圈 30x3.1 O-Ring 30x3.1	1	
29	JP451-640003-000	直通管接头 Connection	1	
30	G001235-002202P4-00	O 型密封圈 22x2.4 O-Ring 22x2.4	2	

图 5-5 多路阀操纵

Fig.5-5 Multi-way valve control

Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I

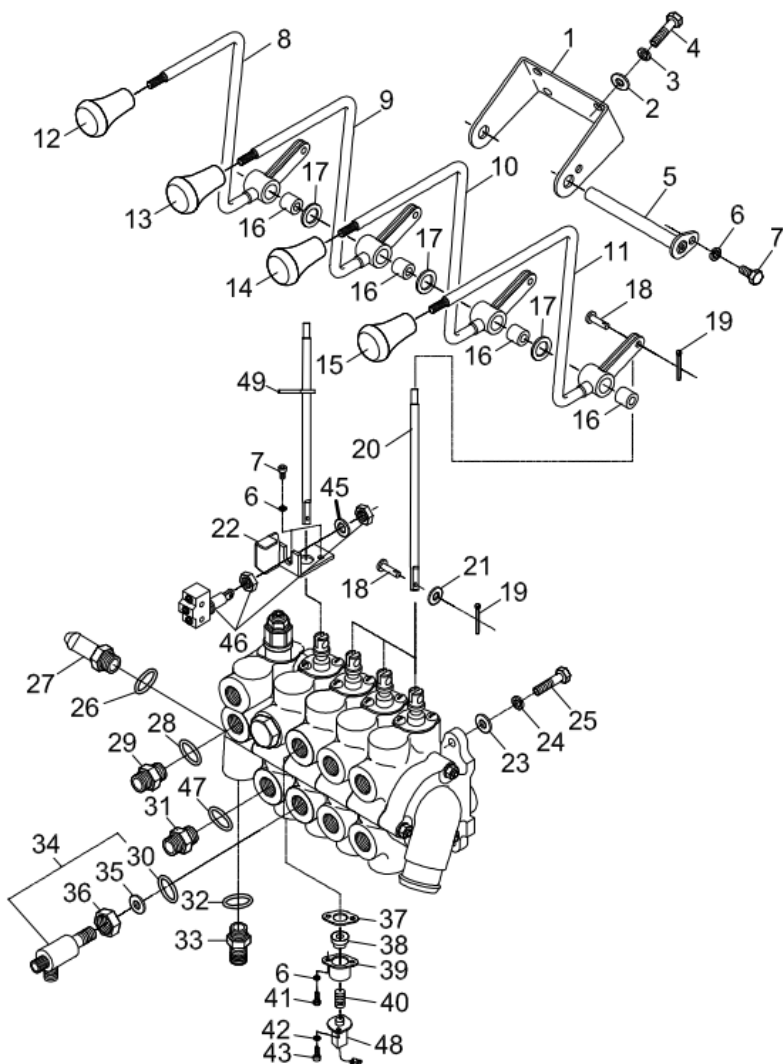


序号 Item	代号 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
31	JP451-640004-000	直通过接头 Connection	1	
32	G001235-001402P4-00	O 型密封圈 14×2.4 O-Ring 14×2.4	1	
33	JP451-640002-001	直通过接头 Connection	1	
34	JP451-640100-000	调向三通接头 Connection	2	
35	JP451-640102-W00	挡圈 Washer	2	
36	JP451-640101-W00	锁紧螺母 Nut	2	
37	JP301-640001-000	垫片 Spacer	1	
38	JP301-640003-000	座垫 Seat cushion	1	
39	JP301-640002-000	电位器支架 Cap	1	
40	JP301-640004-000	弹簧 Spring	1	
41	G000070-006020-00	螺钉 M6×20 Screw M6×20	2	
42	G000093-000005-00	垫圈 5 Washer 5	2	
43	G000070-005012-00	螺钉 M5×12 Screw M5×12	2	
44	M-040107-G00	电位器 Potentiometer	1	
45	G0861P1-000012-00	垫圈 12 Washer 12	1	3 spool valve Q'ty is 2 4 spool valve Q'ty is 3

图 5-5 多路阀操纵

Fig.5-5 Multi-way valve control

Ⓐ CPD40/45/50-AZ4   Ⓑ CPD40/45/50-AC4   Ⓒ CPD40/45/50-AC4-I

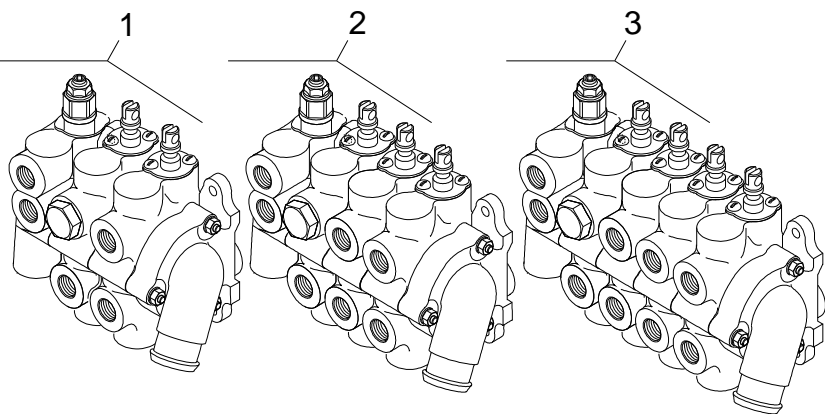


序号 Item	代号 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
46	TM1308-G00	微动开关 Micro switch	1	3 spool valve Q'ty is 2 4 spool valve Q'ty is 3
47	G001235-002402P4-00	O型密封圈 24×2.4 O-Ring 24×2.4	1	
48	M-040107-G00	电位器 Potentiometer	1	
49	APZ452-633000-000	连杆 Countershaft	1	

图 5-6 多路阀

Fig.5-6 Multi-way valve

Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I



序号 Item	代号 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
1	JP451-641000-000	二联多路换向阀 Two multi-way valve	1	CDB3-F18DY-HC-02
2	JP451-642000-000	三联多路换向阀 Three multi-way valve	1	CDB3-F18DY-HC-03
3	JP451-643000-000	四联多路换向阀 Four multi-way valve	1	CDB3-F18DY-HC-04a

## 第六部分 电气系统

### Part VI Electrical system

Ⓐ CPD40/45/50-AZ4   Ⓑ CPD40/45/50-AC4   Ⓒ CPD40/45/50-AC4-I

序号 Item	名称 Description	适用车型 Serial No.	页码 Page
图 6-1 Fig.6-1	电气系统 I Electrical system I	Ⓐ Ⓑ Ⓒ	6-1
图 6-2 Fig.6-2	电气系统 II Electrical system II	Ⓐ Ⓑ Ⓒ	6-3
图 6-3 Fig.6-3	电气系统 III Electrical system III	Ⓐ Ⓑ Ⓒ	6-4
图 6-4 Fig.6-4	仪表盘总成 Instrument panel assy	Ⓐ Ⓑ Ⓒ	6-5
图 6-5 Fig.6-5	仪表显示总成 Instrument display assy	Ⓐ Ⓑ Ⓒ	6-6
图 6-6 Fig.6-6	控制器总成 Controller assy	Ⓐ Ⓑ Ⓒ	6-7
图 6-7 Fig.6-7	控制器总成 Controller assy	Ⓐ Ⓑ Ⓒ	6-8
图 6-8 Fig.6-8	蓄电池组合 Battery combination	Ⓐ Ⓑ Ⓒ	6-9



图 6-1 电气系统 I  
Fig.6-1 Electrical system I

Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I

序号 Item	代号 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
1	AP251-700200-900	扶手按钮开关总成 Handrail button switch	1	
2	A-0507003-G00	喇叭滤波器 Filter for horn	1	
3	R450-700200-000	电喇叭 Horn	1	
4	25PHD-751000-G00	电源插座 Female connector	1	
5	25PH-732100-G00	电源插头 Male connector	1	
6	NC9717-700600-000	制动灯开关 Switch	2	
7	JCTH8001-G00	加速器 Accelerator	1	
8	APZ452-760000-000	保险丝总成 Fuse box	1	
9	TM1308-G00	微动开关 Inching switch	3	(Qty) 3spool 4 4 spool 5
10	AP151-750000-000	前灯总成 Headlight assy	2	Ⓐ Ⓒ
10	AP251-750000-002	前灯总成 Headlight assy	2	Ⓑ
11	JP150-701000-900	翘板开关总成 Tilt switch assy	1	
12	AHP352-700030-000	翘板开关总成 Tilt switch assy	1	
13	XE850-701001-000	手刹开关总成 Parking brake Switch assy	1	
14	XB2BS542C-G00	紧停开关 Emergency stop switch	1	Ⓐ Ⓒ

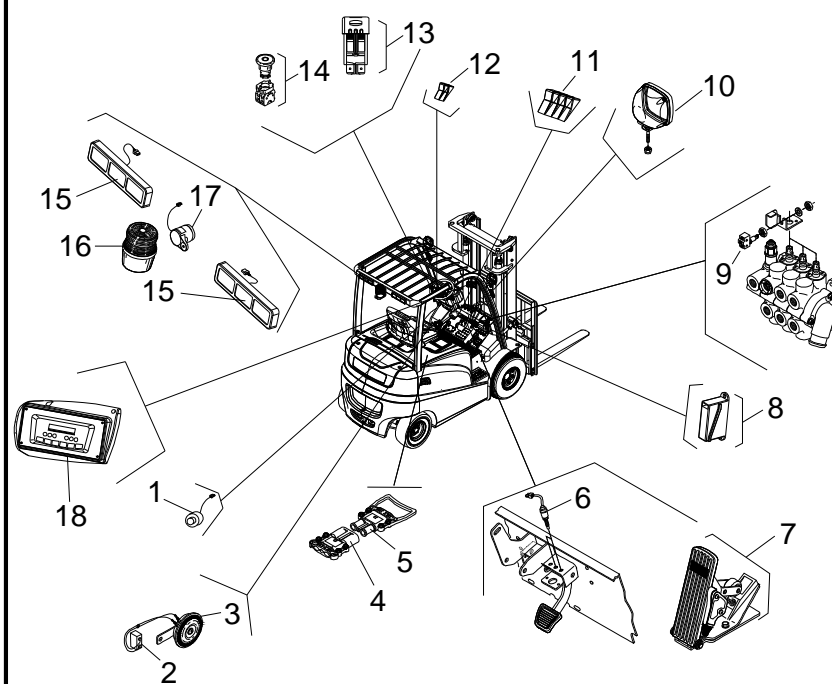


图 6-1 电气系统 I  
Fig.6-1 Electrical system I

Ⓐ CPD40/45/50-AZ4   Ⓑ CPD40/45/50-AC4   Ⓒ CPD40/45/50-AC4-I

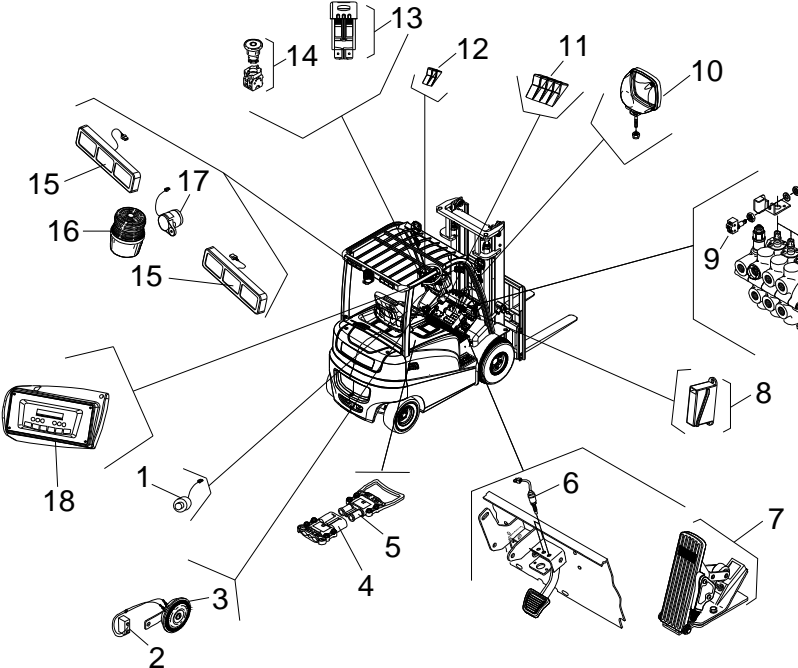
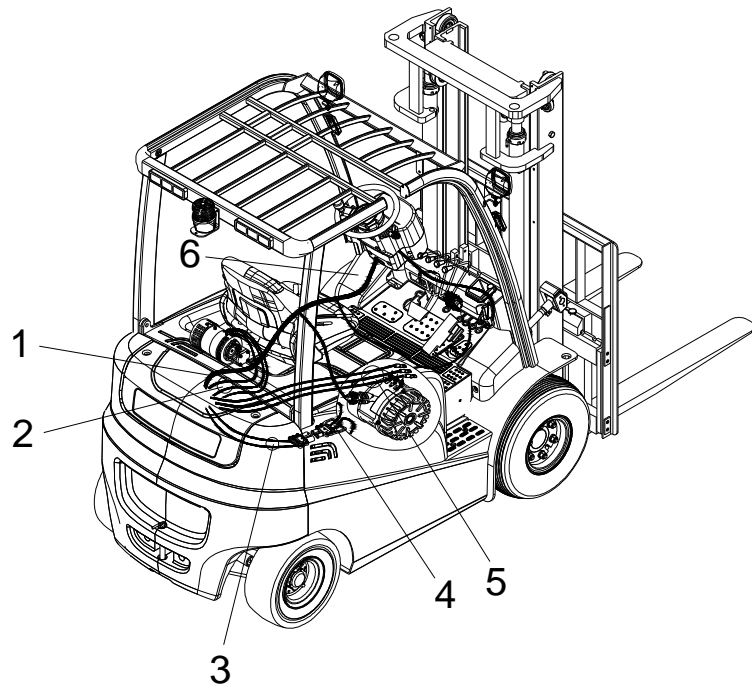
序号 Item	代号 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
				
14	JIP452-700200-000	紧急开关 Emergency stop switch	1	Ⓑ
15	JP255-706000-000	尾灯总成 Rear combination lamp	2	
16	AP251-700030-000	警灯 Warning lamp	1	
17	JP255-700040-000	倒车蜂鸣器 24V Buzzer	1	
18	APZ252-703000-001	仪表显示总成 Instrument display assembly	1	Ⓐ
18	APC252-703000-000	仪表显示总成 Instrument display assembly	1	Ⓒ
18	APC252-703000-000	仪表显示总成 Instrument display assembly	1	Ⓑ

图 6-2 电气系统 II  
Fig.6-2 Electrical system II

Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I



序号 Item	代号 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
1	APZ452-710000-000	车身线束 Bodywork lines	1	Ⓐ
1	APC452-710000-000	车身线束 Bodywork lines	1	Ⓑ
1	AIPC452-710000-000	车身线束 Bodywork lines	1	Ⓒ
2	APZ452-702000-000	油泵电机电缆 Pump motor cable	1	
3	APZ452-790000-000	车身电源电缆组 Female connector assy	1	Ⓐ Ⓑ
3	AIPC452-790000-000	车身电源电缆组 Female connector assy	1	Ⓒ
4	ME5451-732000-000	蓄电池电源电缆组 Battery power cable	1	Ⓐ
4	APC452-732000-000	蓄电池电源电缆组 Battery power cable	1	Ⓑ
5	APZ452-701000-000	牵引电机电缆 Traction motor cable	1	
6	JP305-700010-000	DC-DC 转换器 DC-DC convert	1	

图 6-3 电气系统III  
Fig.6-3 Electrical systemIII

Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I

序号 Item	代号 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
1	JP255-770000-000	转接线束 Connect wire	1	
2	JP255-780000-000	尾灯线束 Tail lamp cable	1	
3	JP255-700200-000	紧停按钮线束 Emergency switch wire	1	Ⓐ Ⓑ
3	SR200-705100-000	紧停按钮线束 Emergency switch wire	1	Ⓒ
4	APZ452-711000-000	仪表转接线束 Instrument connect wire	1	Ⓐ
4	AHP352-707000-000	仪表转接线束 Instrument connect wire	1	Ⓑ
4	AHP352-707000-000	仪表转接线束 Instrument connect wire	1	Ⓒ

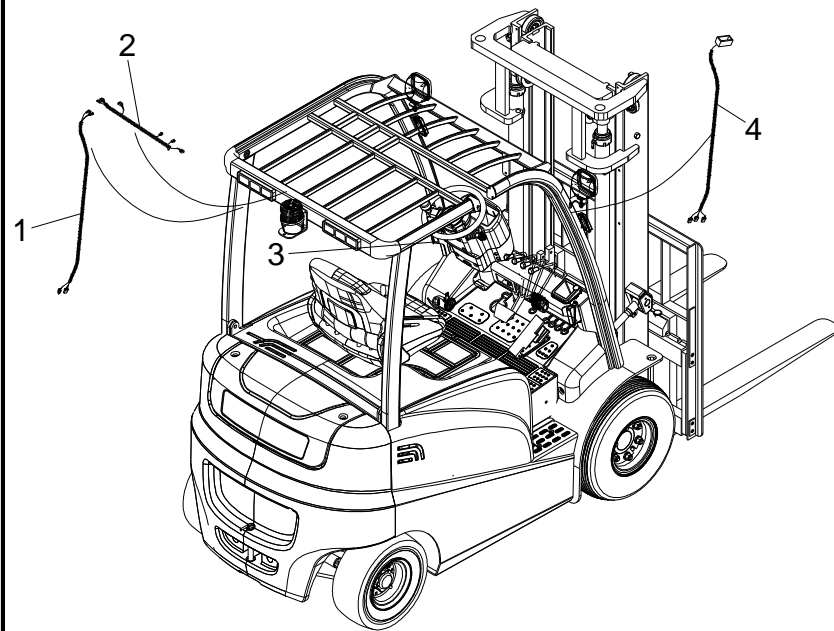
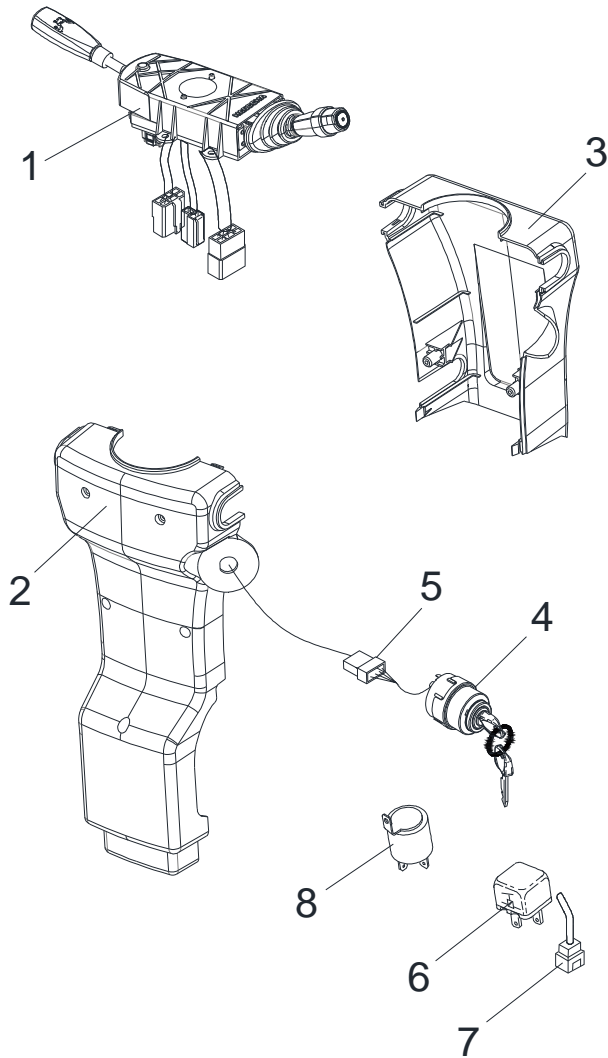


图 6-4 仪表盘总成  
Fig.6-4 Instrument panel assy

Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I

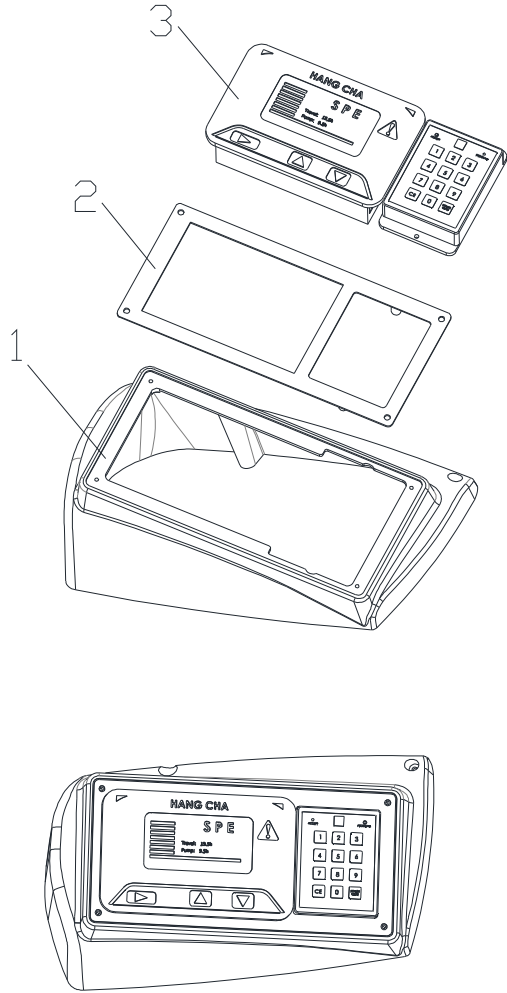


序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
1	JG800-705000-000	组合开关 Combination switch	1	
2	X700-430402-000	开关后罩 After switch cover	1	
3	JG800-740001-000	开关前罩 Front Switch cover	1	
4	JK404C-1-G00	电门开关 Key switch	1	Ⓐ Ⓑ
4	AIP252-740001-000	电门开关 Key switch	1	Ⓒ
5	JP255-741000-000	钥匙开关线束 Key switch harness	1	
6	JP255-700070-000	防水继电器 24V Waterproof relay 24V	2	
7	JP255-740020-000	防水继电器线束 24V Waterproof relay wiring harness	2	
8	JP255-740010-000	电子闪光器 Flasher	1	

图 6-5 仪表显示总成

Fig.6-5 Instrument display assy

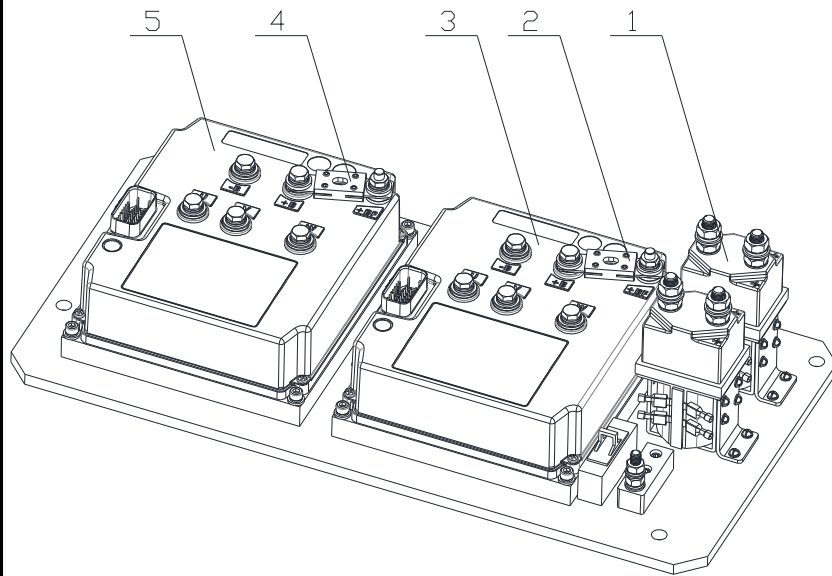
Ⓐ CPD40/45/50-AZ4 Ⓑ CPD40/45/50-AC4 Ⓒ CPD40/45/50-AC4-I



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
1	AHP352-703001-000	仪表罩壳 Instrument enclosures	1	
2	ZPA252-703010-001	仪表架前面板 Instrument front panel frame	1	Ⓐ
2	APC252-703010-000	仪表架前面板 Instrument front panel frame	1	Ⓑ Ⓒ
3	ASZ162-740001-000	ZAPI 方形仪表 ZAPI instrument	1	Ⓐ
3	JS161-740001-000	3501 仪表 3501 instrument	1	Ⓑ Ⓒ

图 6-6 控制器总成  
Fig.6-6 Controller assy

Ⓐ CPD40/45/50-AZ4



序号 Item	代号 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
1	SW200-583	主接触器 Contactor	2	
2	400A	保险丝 Fuse	1	
3	APZ452-720002-W00	行走控制器 Controller	1	
4	400A	保险丝 Fuse	1	
5	APZ452-720001-W00	油泵控制器 Controller	1	

图 6-7 控制器总成  
Fig.6-7 Controller assy

Ⓑ CPD40/45/50-AC4    Ⓒ CPD40/45/50-AC4-I

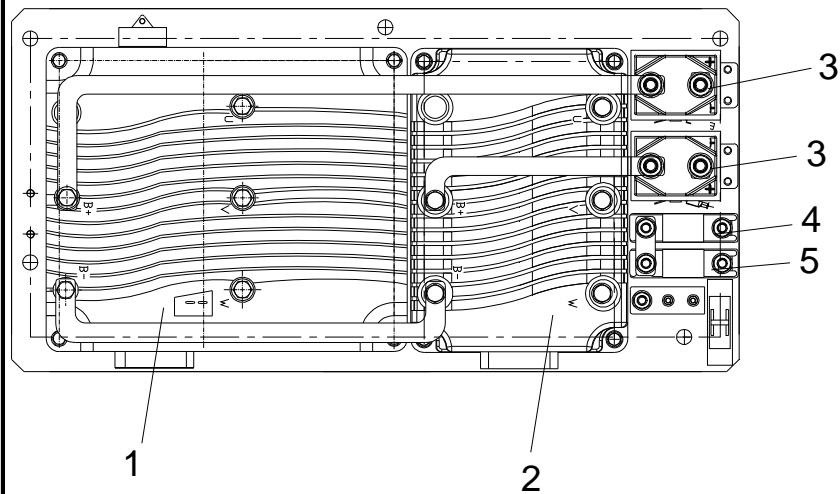
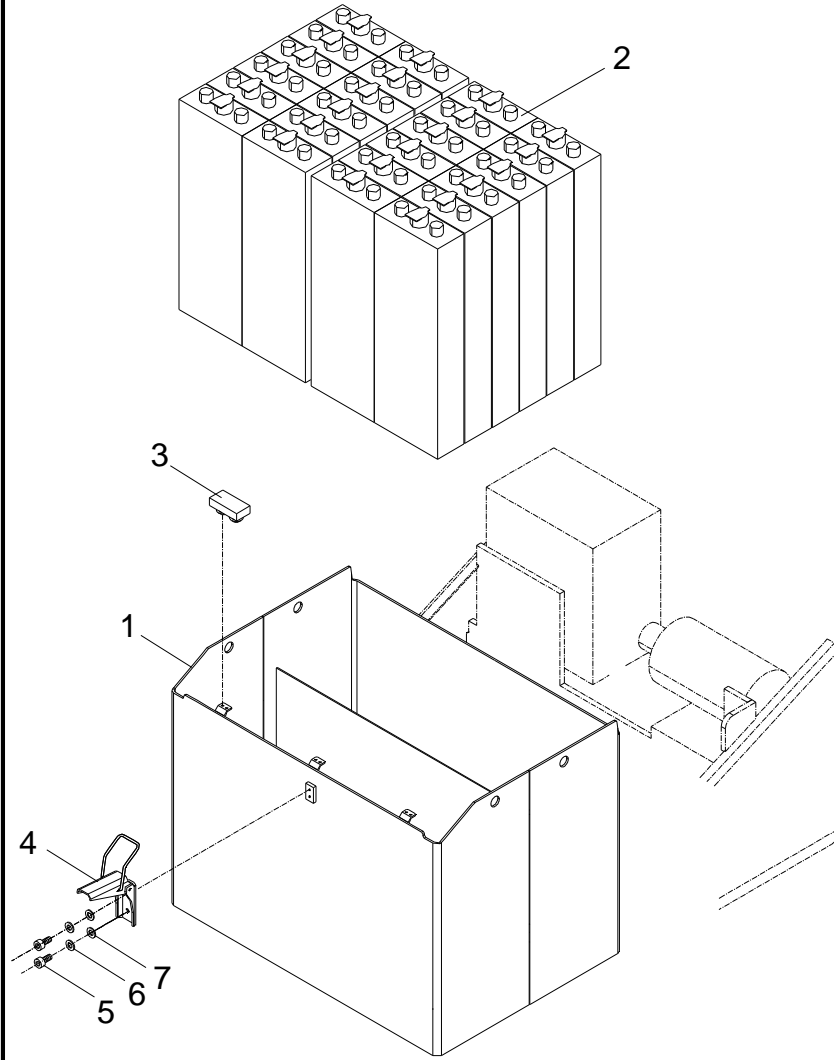
	序号 Item	代号 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
	1	1238E-6521	牵引控制器 Traction control	1	Ⓑ
	1	AIPC452-721000-000	牵引控制器 Traction control	1	Ⓒ
	2	1236SE-6521	油泵控制器 Pump control	1	Ⓑ
	2	AIPC452-722000-000	油泵控制器 Pump control	1	Ⓒ
	3	SW200-583-G00	主接触器 Contactor	2	
	4	ANL 425	保险丝 425A Fuse 425A	1	Ⓑ
	4	ME4201-720010-G00	保险丝 425A Fuse 425A	1	Ⓒ
	5	ANL 350	保险丝 350A Fuse 350A	1	Ⓑ
	5	AP251-700020-G00	保险丝 350A Fuse 350A	1	Ⓒ



图 6-8 蓄电池组合  
Fig.6-8 Battery combination

Ⓐ CPD40/45/50-AZ4    Ⓑ CPD40/45/50-AC4    Ⓒ CPD40/45/50-AC4-I



序号 Item	代号 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
A	AIPC452-730000-000	蓄电池 Battery	1	Ⓒ
1	AHP352-731000-000	蓄电池箱体 Battery box	1	
2	JP250-730010-G90	蓄电池 Battery	40	Ⓐ Ⓑ
3	25PH-400005	橡胶垫 Rubber	3	
4	NP15C-404000-G00	锁扣 Locker	1	
5	G005783-006025-00	螺栓 M6×25 Bolt M6×25	2	
6	G000093-000006-00	垫圈 6 Washer 6	2	
7	G0097P1-000006-00	垫圈 6 Washer 6	2	

## 第七部分 起升系统

### Part VII Lifting system

Ⓐ CPD40/45/50-AZ4   Ⓑ CPD40/45/50-AC4   Ⓒ CPD40/45/50-AC4-I

序号 Item	名称 Description	适用车型 Serial No.	页码 Page
图 7-1 Fig.7-1	起升组件 Lifting part	二级门架    SIMPLEX MAST	7-1
图 7-2 Fig.7-2	链条总成 Chain assy	二级门架    SIMPLEX MAST	7-5
	选配表 1 <Optional Parts List 1>	二级门架    SIMPLEX MAST	7-6
图 7-3 Fig.7-3	门架 Mast	二级门架    SIMPLEX MAST	7-7
	选配表 2 <Optional Parts List 2>	二级门架    SIMPLEX MAST	7-9
图 7-4 Fig.7-4	货叉架总成 Fork carriage assy	二级门架    SIMPLEX MAST	7-10
图 7-5 Fig.7-5	侧移架总成 Sidle carriage assy	二级门架    SIMPLEX MAST	7-11
图 7-6 Fig.7-6	左/右升降油缸 L.H./R.H.Lifting cylinder	二级门架    SIMPLEX MAST	7-13
	选配表 3 <Optional Parts List 3>	二级门架    SIMPLEX MAST	7-15
图 7-7 Fig.7-7	倾斜油缸 Tilt cylinder	二级门架    SIMPLEX MAST	7-17
图 7-8 Fig.7-8	油路系统 Oil pipe system	二级门架    SIMPLEX MAST	7-19
	选配表 4 <Optional Parts List 4>	二级门架    SIMPLEX MAST	7-21
图 7-9 Fig.7-9	起升组件 Lifting part	二级全自由门架    DUPLEX MAST	7-22
图 7-10 Fig.7-10	链条总成 Chain assy	二级全自由门架    DUPLEX MAST	7-27

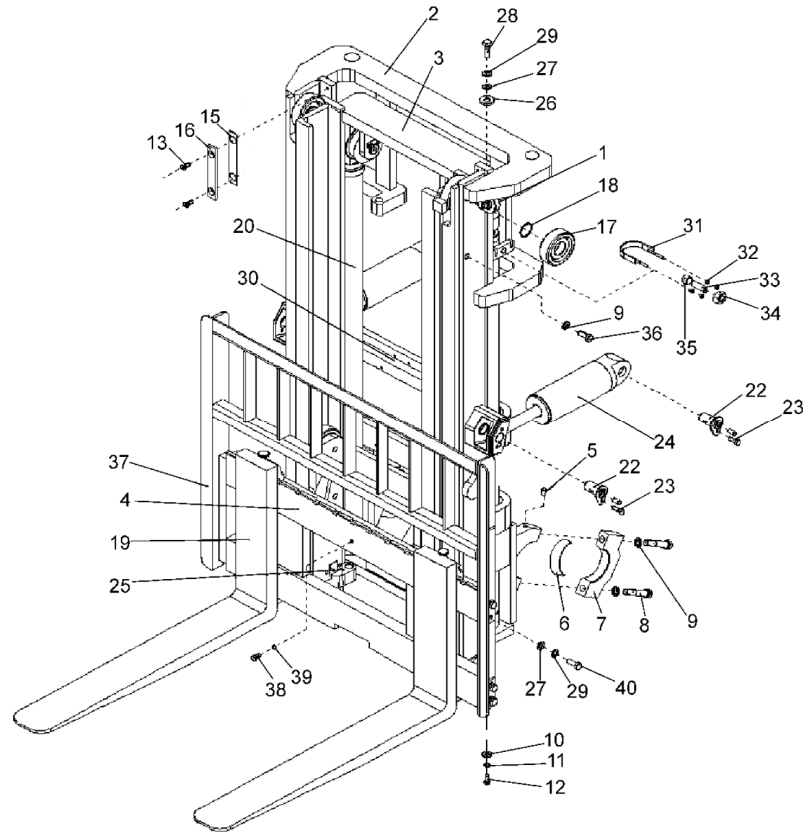
序号 Item	名称 Description	适用车型 Serial No.	页码 Page
	选配表 5 <Optional Parts List 5>	二级全自由门架 DUPLEX MAST	7-28
图 7-11 Fig.7-11	门架 Mast	二级全自由门架 DUPLEX MAST	7-29
	选配表 6 <Optional Parts List 6>	二级全自由门架 DUPLEX MAST	7-30
图 7-12 Fig.7-12	货叉架总成 Fork carriage assy	二级全自由门架 DUPLEX MAST	7-31
图 7-13 Fig.7-13	侧移架总成 Sidle carriage assy	二级全自由门架 DUPLEX MAST	7-32
图 7-14 Fig.7-14	左/右升降油缸 L.H./R.H.Lifting cylinder	二级全自由门架 DUPLEX MAST	7-34
	选配表 7 <Optional Parts List 7>	二级全自由门架 DUPLEX MAST	7-36
图 7-15 Fig.7-15	倾斜油缸 Tilt cylinder	二级全自由门架 DUPLEX MAST	7-37
图 7-16 Fig.7-16	短升降油缸 Lift cylinder,Short	二级全自由门架 DUPLEX MAST	7-39
	选配表 8 <Optional Parts List 8>	二级全自由门架 DUPLEX MAST	7-41
图 7-17 Fig.7-17	油路系统 Oil pipe system	二级全自由门架 DUPLEX MAST	7-42
	选配表 9 <Optional Parts List 9>	二级全自由门架 DUPLEX MAST	7-43
图 7-18 Fig.7-18	起升组件 Lifting part	三级全自由门架 TRIPLEX MAST	7-44
图 7-19 Fig.7-19	链条总成 Chain assy	三级全自由门架 TRIPLEX MAST	7-48
	选配表 10 <Optional Parts List 10>	三级全自由门架 TRIPLEX MAST	7-49
图 7-20 Fig.7-20	链条总成 Chain assy	三级全自由门架 TRIPLEX MAST	7-50

序号 Item	名称 Description	适用车型 Serial No.	页码 Page
	选配表 11 <Optional Parts List 11>	三级全自由门架 TRIPLEX MAST	7-51
图 7-21 Fig.7-21	门架 Mast	三级全自由门架 TRIPLEX MAST	7-52
	选配表 12 <Optional Parts List 12>	三级全自由门架 TRIPLEX MAST	7-54
图 7-22 Fig.7-22	货叉架总成 Fork carriage assy	三级全自由门架 TRIPLEX MAST	7-56
图 7-23 Fig.7-23	侧移架总成 Sidle carriage assy	三级全自由门架 TRIPLEX MAST	7-57
图 7-24 Fig.7-24	左/右升降油缸 L.H./R.H.Lifting cylinder	三级全自由门架 TRIPLEX MAST	7-59
	选配表 13 <Optional Parts List 13>	三级全自由门架 TRIPLEX MAST	7-61
图 7-25 Fig.7-25	短升降油缸 Lift cylinder,Short	三级全自由门架 TRIPLEX MAST	7-63
	选配表 14 <Optional Parts List 14>	三级全自由门架 TRIPLEX MAST	7-64
图 7-26 Fig.7-26	倾斜油缸 Tilt cylinder	三级全自由门架 TRIPLEX MAST	7-65
图 7-27 Fig.7-27	油路系统 Oil pipe system	三级全自由门架 TRIPLEX MAST	7-67
	选配表 15 <Optional Parts List 15>	三级全自由门架 TRIPLEX MAST	7-71
图 7-28 Fig.7-28	侧移油缸 Side cylinder	三级全自由门架 TRIPLEX MAST	7-72
图 7-29 Fig.7-29	侧移油路 Side shifter piping	二级门架 SIMPLEX MAST	7-73
	选配表 16 <Optional Parts List 16>	二级门架 SIMPLEX MAST	7-75
图 7-30 Fig.7-30	第四联油路 The fourth piping	二级门架 SIMPLEX MAST	7-76

序号 Item	名称 Description	适用车型 Serial No.	页码 Page
	选配表 17 <Optional Parts List 17>	二级门架 SIMPLEX MAST	7-78
图 7-31 Fig.7-31	侧移油路 Side shifter piping	二级全自由门架 DUPLEX MAST	7-79
	选配表 18 <Optional Parts List 18>	二级全自由门架 DUPLEX MAST	7-82
图 7-32 Fig.7-32	四联油路 Fourth piping	二级全自由门架 DUPLEX MAST	7-83
	选配表 19 <Optional Parts List 19>	二级全自由门架 DUPLEX MAST	7-86
图 7-33 Fig.7-33	侧移油路 Side shifter piping	三级全自由门架 TRIPLEX MAST	7-87
	选配表 20 <Optional Parts List 20>	三级全自由门架 TRIPLEX MAST	7-89
图 7-34 Fig.7-34	第四联油路 The fourth piping	三级全自由门架 TRIPLEX MAST	7-90
	选配表 21 <Optional Parts List 21>	三级全自由门架 TRIPLEX MAST	7-92

图 7-1 起升组件  
Fig.7-1 Lifting part

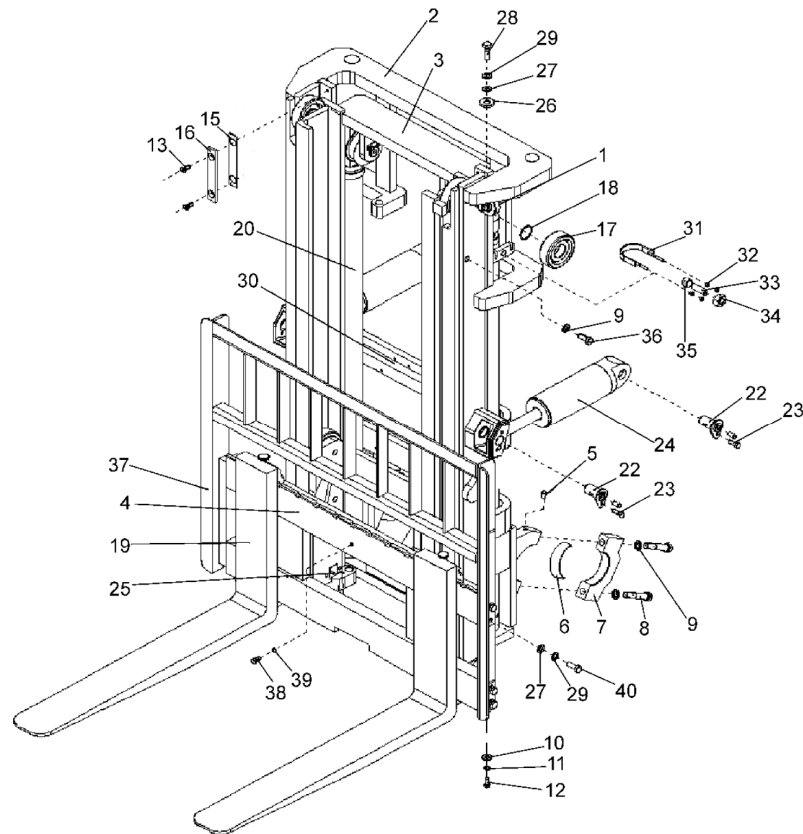
二级门架 SIMPLEX MAST



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
1	4M3F-202000	侧滚轮组 Side rollers	2	
2	见图 7-3 See Fig.7-3	外门架 Outer mast	1	
3	见图 7-3 See Fig.7-3	内门架总成 Inner mast assy	1	
4	见图 7-4 See Fig.7-4	货叉架总成 Fork carriage assy	1	
4	见图 7-5 See Fig.7-5	侧移架总成 Sidle carriage assy	1	
5	G001152-010001-00	油杯 M10×1 Oil cup M10×1	6	
6	R45M300-000001-000	轴承盖 Bearing cap	2	
7	R45M300-000002-000	轴瓦 Bearing liner	2	
8	G005785-020110-00	螺栓 M20×1.5×110 Bolt M20×1.5×110	4	
9	G000093-000020-00	垫圈 20 Washer 20	2	
10	G0097P1-000010-00	垫圈 10 Washer 10	2	
11	G000093-000010-00	垫圈 10 Washer 10	2	
12	G000070-010030-00	螺钉 M10×30 Screw M10×30	2	
13	G000068-008016-00	螺钉 M8×16 Screw M8×16	4	
15	R45M300-000007-000	调整垫片 Adjusting shim	2	

图 7-1 起升组件  
Fig.7-1 Lifting part

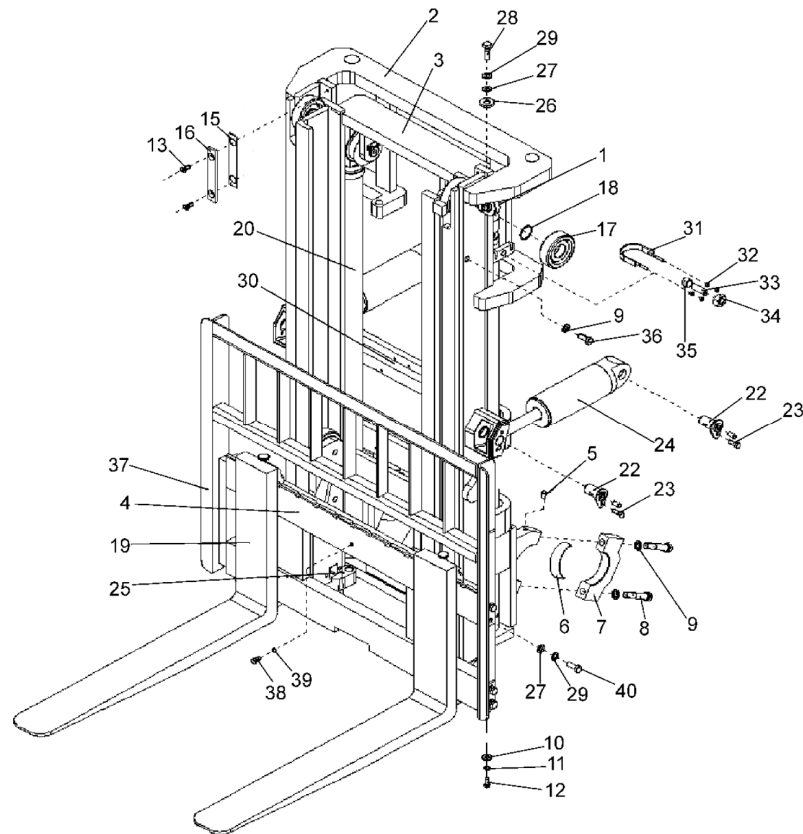
二级门架 SIMPLEX MAST



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
16	R45M300-000006-000	导轨衬垫 Rubber cover	2	
17	10310D-G00	起升滚轮 Roller	2	
18	G0894P1-000050-00	挡圈 50 Snap ring 50	2	
19	4M3H-010000	货叉总成 Fork assy	2	4.0-4.5t 标配 Standard
19	J50M300-010000-000	货叉总成 Fork assy	2	5.0 t 标配 Standard
19	N35M300-010000-000	货叉总成 Fork assy	2	4.0 t 选配 Option
19	J45M300-010000-000	货叉总成 Fork assy	2	4.5-5.0 t 选配 Option
20	见图 7-6 See Fig.7-6	右升降油缸 R.H. Lifting cylinder	1	
21	见图 7-6 See Fig.7-6	左升降油缸 L.H. Lifting cylinder	1	
22	J45M300-001000-000	销轴 Pin shaft	4	
23	N30M300-004000-000	螺栓 M10×1.25×20 Bolt M10×1.25×20	4	
24	见图 7-7 See Fig.7-7	倾斜油缸 Tilt cylinder	2	
25	见图 7-2 See Fig.7-2	链条总成 Chain assy	2	4-4.5t
25	见图 7-2 See Fig.7-2	链条总成 Chain assy	2	5.0t
26	R45M300-000003-000	油缸调整垫圈 Adjust gasket	2	

图 7-1 起升组件  
Fig.7-1 Lifting part

二级门架 SIMPLEX MAST

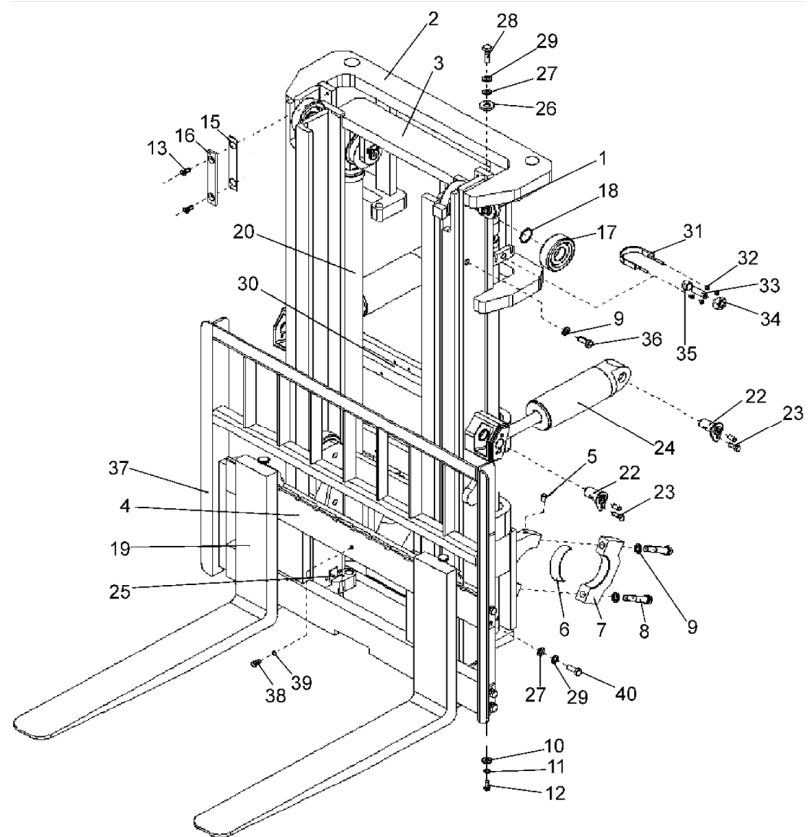


序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
27	G0097P1-000016-00	垫圈 16 Washer 16	10	
28	G005785-016055-00	螺栓 M16×1.5×55 Bolt M16×1.5×55	2	
29	G000093-000016-00	垫圈 16 Washer 16	10	
30	见图 7-8 See Fig.7-8	油路系统 Oil pipe system	1	
31	R45M300-003000-000	油缸固定螺栓 U-Bolt	2	4.0-4.5 t
31	RX50M300-001000-000	油缸固定螺栓 U-Bolt	2	5.0 t
32	G006170-000008-00	螺母 M8 Nut M8	8	
33	R45M300-000004-000	螺钉 Screw	2	
34	G006170-000020-00	螺母 M20 Nut M20	2	
35	R45M300-005000-000	油缸支撑座 Cylinder support	2	4.0-4.5 t
35	RX50M300-004000-000	油缸支撑座 Cylinder support	2	5.0 t
36	4M3H-000003	限位螺钉 Screw	2	
37	R45M300-004000-000	挡货架 Load bracket	1	
38	G005782-012025-00	螺栓 M12×25 Bolt M12×25	1	
39	G000093-000012-00	垫圈 12 Washer 12	1	



图 7-1 起升组件  
Fig.7-1 Lifting part

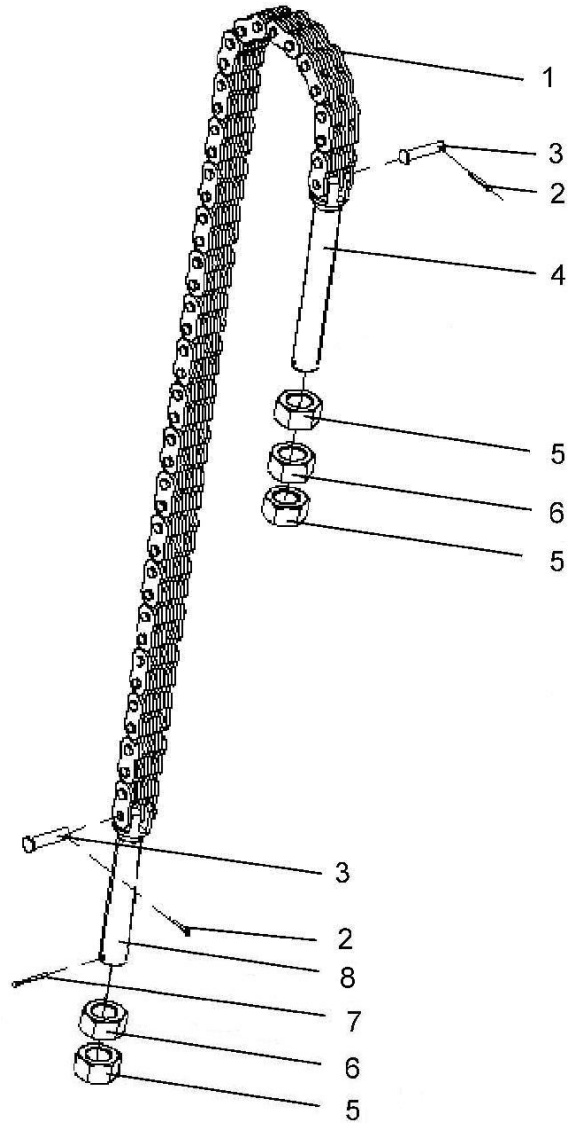
二级门架 SIMPLEX MAST



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
40	G005783-016040-00	螺栓 M16×40 Bolt M16×40	8	

图 7-2 链条总成  
Fig.7-2 Chain assy

二级门架 SIMPLEX MAST



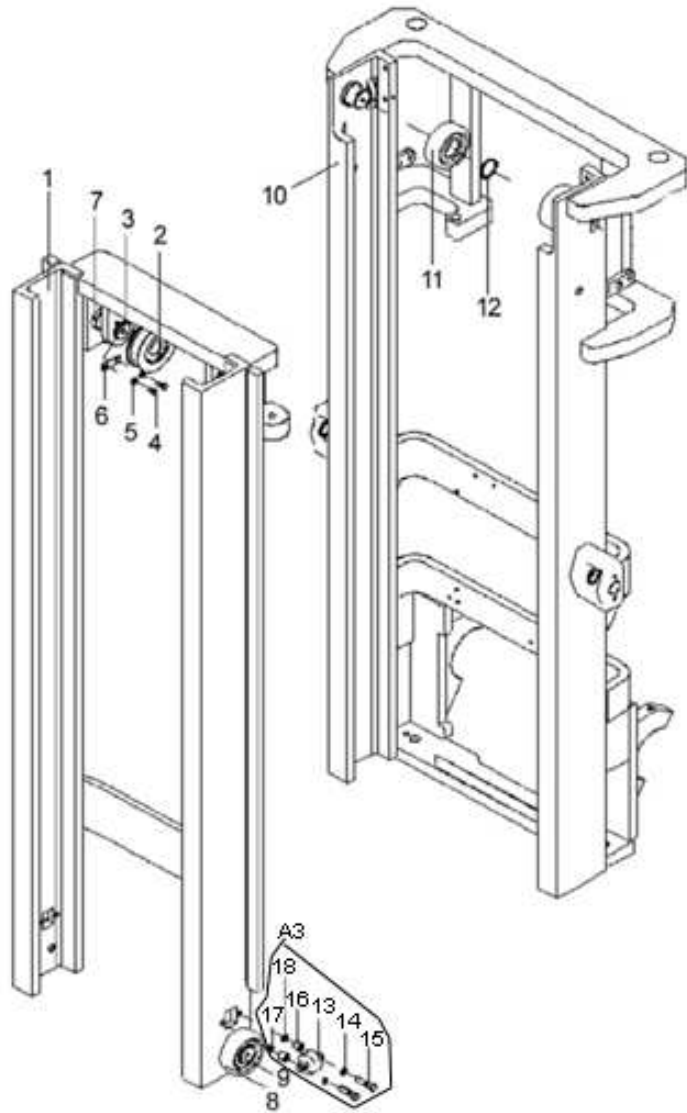
序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
A1	See OPT. Parts List 1	链条总成 Chain assy	2	4.0-4.5t
A2	See OPT. Parts List 1	链条总成 Chain assy	2	5.0t
1	NO PART NO.	板式链 LH2023x67 Chain LH2023x67	1	4.0-4.5t
1	NO PART NO.	板式链 LH1644x(n+1) Chain LH1644x(n+1)	1	5.0t
2	G000091-004020-00	销 4x20 Pin 4x20	2	4.0-4.5t
2	G000091-003020-00	销 3x20 Pin 3x20	2	5.0t
3	40M3.3-800002	销轴 Pin shaft	2	4.0-4.5t
3	H50M300-002002-000	销轴 Pin shaft	2	5.0t
4	R45M300-002001-000	链条接头 Connector	1	4.0-4.5t
4	RX50M300-003001-100	链条接头 Connector	1	5.0t
5	50M3A-800001	螺母 Nut	3	
6	50M3A-800002	球螺母 Nut	2	
7	G000091-2P5028-00	销 2.5x28 Pin 2.5x28	1	
8	R45M300-002002-000	链条接头 Connector	1	4.0-4.5t
8	RX50M300-003002-100	链条接头 Connector	1	5.0t

选配1 < Optional Parts List 1>

序号 Item	A1 4.0-4.5t	A2 5.0t
起升高度 Lift Height	代号 Part NO.	代号 Part NO.
2500	LH-2023059-100	LH-1644075-100
2700	LH-2023063-100	LH-1644079-100
3000	LH-2023067-100	LH-1644083-100
3300	LH-2023071-100	LH-1644091-100
3500	LH-2023075-100	LH-1644095-100
3600	LH-2023077-100	LH-1644097-100
3800	LH-2023079-100	LH-1644101-100
4000	LH-2023091-100	LH-1644113-100
4300	LH-2023101-100	LH-1644127-100
4500	LH-2023107-100	LH-1644135-100
4800	LH-2023119-100	LH-1644149-100
5000	LH-2023123-100	LH-1644155-100
5500	LH-2023143-100	LH-1644177-100
6000	LH-2023159-100	LH-1644199-100

图 7-3 门架  
Fig.7-3 Mast

二级门架 SIMPLEX MAST

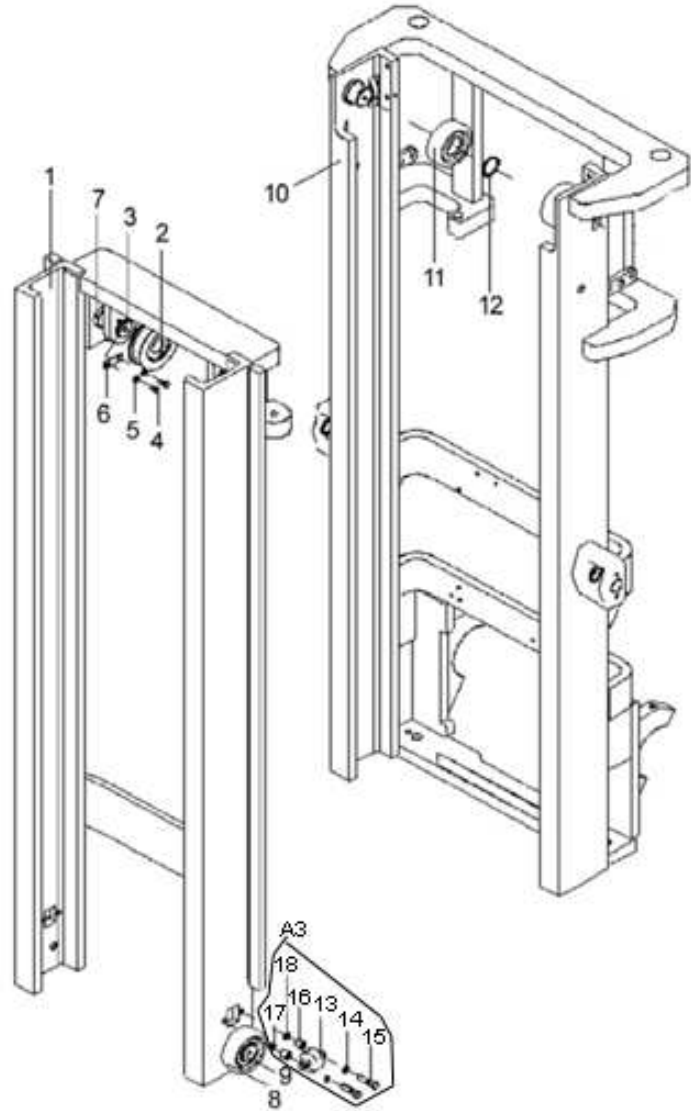


序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
A1	See OPT. Parts List 2	内门架总成 Inner mast assy	1	4.0-4.5t 包含 INC:1-9;A3
1	See OPT. Parts List 2	内门架体 Inner mast	1	4.0-4.5t
A2	See OPT. Parts List 2	内门架总成 Inner mast assy		5.0t 包含 INC:1-9;A3
1	See OPT. Parts List 2	内门架体 Inner mast	1	5.0t
2	780408-G00	链轮 Chain wheel	2	4.0-4.5t
2	CW310-00-G00	链轮 Chain wheel	2	5.0t
3	40M3.3-200002	链轮轴 Chain wheel , shaft	2	4.0-4.5t
3	H50M300-200002-000	链轮轴 Chain wheel , shaft	2	5.0t
4	G005781-008020-00	螺钉 M8×20 Screw M8×20	4	
5	G000093-000008-00	垫圈 8 Washer 8	4	
6	50M3A-100002	止动板 Check plate	2	
7	4M3F-200001	垫 Washer	2	4.0-4.5t
7	H50M300-200001-000	垫 Washer	2	5.0t
8	10310D-G00	起升滚轮 Roller	2	
9	G00894P1-000050-00	挡圈 50 Snap ring 50	2	

图 7-3 门架  
Fig.7-3 Mast

二级门架 SIMPLEX MAST

序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
10	See OPT. Parts List 2	外门架 Outer mast	1	4.0-4.5t
10	See OPT. Parts List 2	外门架 Outer mast	1	5.0t
11	10310D-G00	起升滚轮 Roller	2	
12	G00894P1-000050-00	挡圈 50 Snap ring 50	2	
A3	4M3F-202000	侧滚轮组 Side rollers	2	包含 INC:13-18
13	C58x80-G00	侧滚轮 Side roller	2	
14	G000093-000012-00	垫圈 12 Washer 12	4	
15	G005782-012050-00	螺栓 M12x50 Bolt M12x50	4	
16	4M3F-202001	衬圈 Bushing	4	
17	40M3.3-201003	调整垫 Adjusting shim	4	
18	40M3.3-201002	调整垫 Adjusting shim	4	



选配 2 < Optional Parts List 2 >

序号 Item No.	4.0-4.5 t A1	4.0-4.5 t 1	5.0 t A2	5.0 t 1	4.0-4.5 t 10	5.0t 10
起升高度 Lift Height	代号 Part NO.	代号 Part NO.	代号 Part NO.	代号 Part NO.	代号 Part NO.	代号 Part NO.
2500	R45M250-200000-000	R45M250-201000-000	RX50M250-200000-100	RX50M250-201000-100	J45M250-100000-000	J50M250-100000-000
2700	R45M270-200000-000	R45M270-201000-000	RX50M270-200000-100	RX50M270-201000-100	J45M270-100000-000	J50M270-100000-000
3000	R45M300-200000-001	R45M300-201000-001	RX50M300-200000-100	RX50M300-201000-100	J45M300-100000-001	J50M300-100000-000
3300	R45M330-200000-000	R45M330-201000-000	RX50M330-200000-100	RX50M330-201000-100	J45M330-100000-000	J50M330-100000-000
3500	R45M350-200000-000	R45M350-201000-000	RX50M350-200000-100	RX50M350-201000-100	J45M350-100000-000	J50M350-100000-000
3600	R45M360-200000-000	R45M360-201000-000	RX50M360-200000-100	RX50M360-201000-100	J45M360-100000-000	J50M360-100000-000
3800	R45M380-200000-000	R45M380-201000-000	RX50M380-200000-100	RX50M380-201000-100	J45M380-100000-000	J50M380-100000-000
4000	R45M400-200000-000	R45M400-201000-000	RX50M400-200000-100	RX50M400-201000-100	J45M400-100000-000	J50M400-100000-000
4300	R45M430-200000-000	R45M430-201000-000	RX50M430-200000-100	RX50M430-201000-100	J45M430-100000-000	J50M430-100000-000
4500	R45M450-200000-000	R45M450-201000-000	RX50M450-200000-100	RX50M450-201000-100	J45M450-100000-000	J50M450-100000-000
4800	R45M480-200000-000	R45M480-201000-000	RX50M480-200000-100	RX50M480-201000-100	J45M480-100000-000	J50M480-100000-000
5000	R45M500-200000-000	R45M500-201000-000	RX50M500-200000-100	RX50M500-201000-100	J45M500-100000-000	J50M500-100000-000
5500	R45M550-200000-000	R45M550-201000-000	RX50M550-200000-100	RX50M550-201000-100	J45M550-100000-000	J50M550-100000-000
6000	R45M600-200000-000	R45M600-201000-000	RX50M600-200000-100	RX50M600-201000-100	J45M600-100000-000	J50M600-100000-000

图 7-4 货叉架总成  
Fig.7-4 Fork carriage assy

二级门架 SIMPLEX MAST

序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
A1	J45M300-300000-001	货叉架总成 Fork carriage assy	1	4-4.5t
1	J45M300-301000-001	货叉架 Fork carriage	1	4-4.5t
A2	J50M300-300000-000	货叉架总成 Fork carriage assy	1	5t
1	J50M300-301000-000	货叉架体 Fork carriage	1	5t
2	10310D-G00	起升滚轮 Roller	6	
3	G0894P1-000050-00	挡圈 50 Snap ring 50	6	
A3	4M3F-202000	侧滚轮组 Side rollers	4	包含 INC:4-9
4	G005782-012050-00	螺栓 M12×50 Bolt M12×50	8	
5	G000093-000012-00	垫圈 12 Washer 12	8	
6	4M3F-202001	衬圈 Bushing	8	
7	40M3.3-201003	调整垫 Adjusting shim	8	
8	40M3.3-201002	调整垫 Adjusting shim	8	
9	C58×80-G00	侧滚轮 Side roller	4	

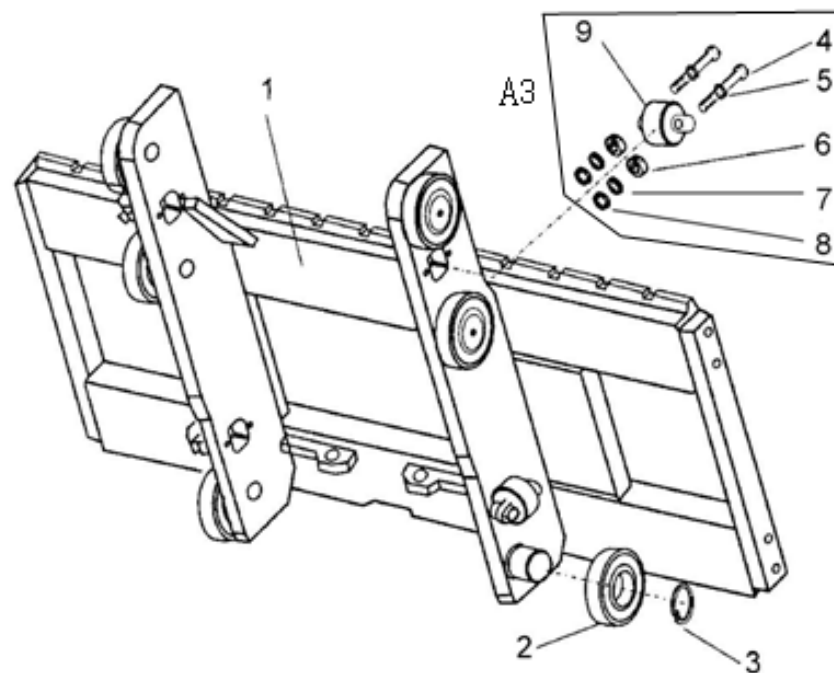


图 7-5 侧移架总成  
Fig.7-5 Sidle carriage assy

二级门架 SIMPLEX MAST

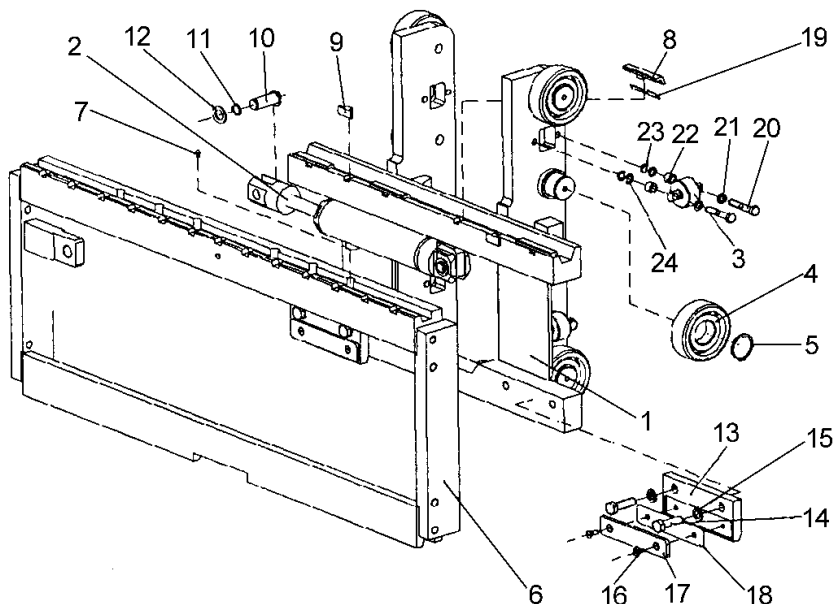
	序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
	A1	J45B300-300000-002	侧移架总成 Sidle carriage assy	1	4-4.5t
	A2	J50B300-300000-001	侧移架总成 Sidle carriage assy	1	5t
	1	J45B300-301000-002	叉架体 Fork carriage	1	4-4.5t
	1	J50B300-301000-001	叉架体 Fork carriage	1	5t
	2	R45V450-303000-000	侧移油缸 Side cylinder	1	
	A3	4M3F-202000	侧滚轮组 Side rollers	4	包含 INC:3;20-24
	3	C58x80-G00	侧滚轮 Side roller	4	
	4	10310D-G00	起升滚轮 Roller	6	
	5	G0894P1-000050-00	挡圈 50 snap ring 50	6	
	6	R45V450-302000-001	侧移货叉架 Side shifting carriage	1	
	7	G001152-006000-00	油杯 M6 Oil cup M6	6	
	8	S16V450-300001-000	塞铁 Plug	5	
	9	1.4QS1-000006	挡块 Block	2	
	10	R45V450-300005-000	轴 Shaft	2	
	11	G0894P1-000022-00	挡圈 22 snap ring 22	2	



图 7-5 侧移架总成  
Fig.7-5 Sidle carriage assy

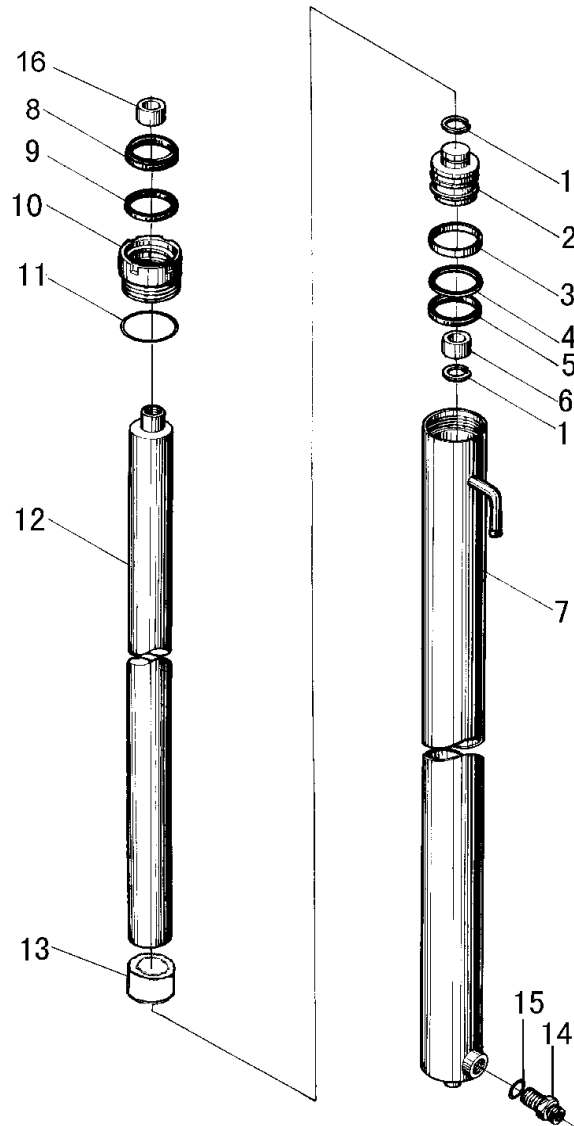
二级门架 SIMPLEX MAST

序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
12	R45V450-300003-000	垫圈 22 Washer 22	2	
13	R45V450-300006-000	挂钩板 Suspension hook board	2	
14	G005786-016050-00	螺栓 M16×1.5×50 Bolt M16×1.5×50	4	
15	G000093-000016-00	垫圈 16 Washer 16	4	
16	G000068-008016-00	螺钉 M8×16 Bolt M8×16	4	
17	R45V450-300002-000	下滑块 Under slide block	2	
18	R45V450-300008-000	调整垫 Adjusting shim	2	
19	S16V450-300009-000	调整垫 Adjusting shim	4	
20	G005782-012050-00	螺栓 M12×50 Bolt M12×50	8	
21	G000093-000012-00	垫圈 12 Washer 12	8	
22	40M3.3-201001	衬圈 Bush	8	
23	40M3.3-201002	调整垫 Adjusting shim	8	
24	40M3.3-201003	调整垫 Adjusting shim	8	

图 7-6 左/右升降油缸

Fig.7-6 L.H./R.H. Lifting cylinder

二级门架 SIMPLEX MAST

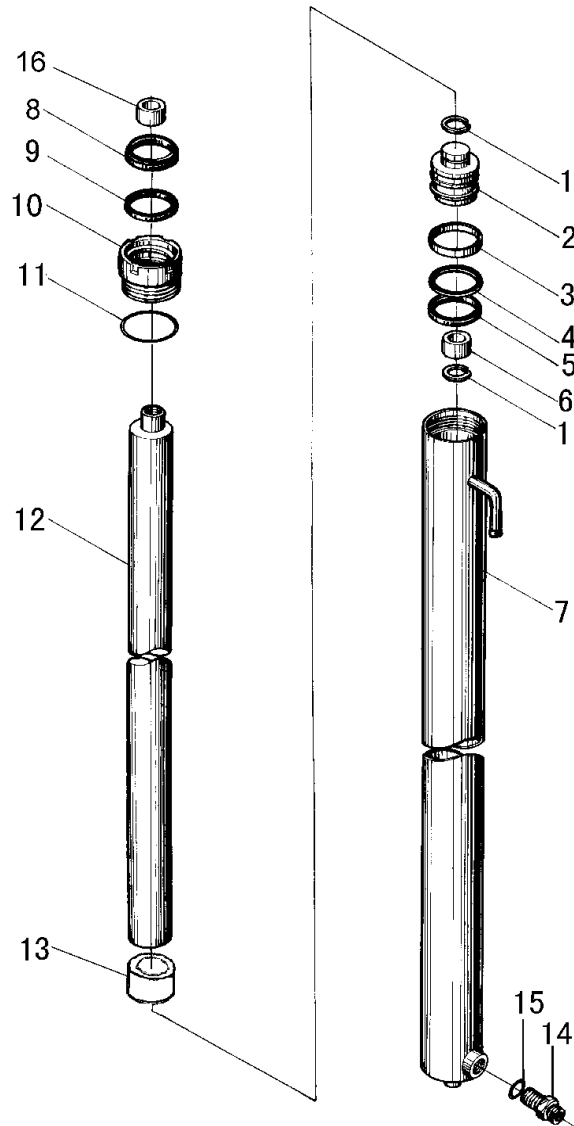


序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
A1	See OPT. Parts List 3	右升降油缸 R.H. Lifting cylinder	1	4-4.5t
A1	See OPT. Parts List 3	右升降油缸 R.H. Lifting cylinder	1	5t
A2	See OPT. Parts List 3	左升降油缸 L.H. Lifting cylinder	1	4-4.5t
A2	See OPT. Parts List 3	左升降油缸 L.H. Lifting cylinder	1	5t
1	G0895P1-000030-00	挡圈 30 Snap shim 30	2	
2	R45M300-500003-W00	活塞 Piston	1	4-4.5t
2	RX50M300-500003-W00	活塞 Piston	1	5t
3	R45M300-500004-W00	支承圈 65×60×25 Support ring	1	4-4.5t
3	RX50M300-500004-W00	支承圈 70×65×25 Support ring	1	5t
4	R45M300-500005-W00	保护圈 65×55×3 Ring	1	4-4.5t
4	RX50M300-500005-W00	保护圈 70×60×3 Ring	1	5t
5	FU0807L0-G00	OSI 密封圈 D65 OSI-seal ring D65	1	4-4.5t
5	FU0846L0-G00	OSI 密封圈 D70 OSI-seal ring D70	1	5t
6	SF-1-5050-G00	复合衬套 5050 Combination bush	1	
7	See OPT. Parts List 3	右缸体 Cylinder body, right	1	4-4.5t

图 7-6 左/右升降油缸

Fig.7-6 L.H./R.H. Lifting cylinder

二级门架 SIMPLEX MAST



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
7	See OPT. Parts List 3	右缸体 Cylinder body, right	1	5t
7	See OPT. Parts List 3	左缸体 Cylinder body, left	1	4-4.5t
7	See OPT. Parts List 3	左缸体 Cylinder body, left	1	5t
8	FD2831A0-G00	DKI 防尘圈 d50 DKI-dustproof ring	1	
9	FU0619K0-G00	ISI 密封圈 d50 ISI-seal ring d50	1	
10	R45M300-500002-W00	导向套 Guide sleeve	1	4-4.5t
10	RX50M300-500002-W00	导向套 Guide sleeve	1	5t
11	G001235-007003P1-00	O 形密封圈 70×3.1 O-ring 70×3.1	1	
12	R45M300-500001-W00	活塞杆 Piston rod	1	
13	N35M300-400006-W00	隔套 Sheath	1	
14	R45M300-402000-W00	油嘴组件 Nozzle valve assy	1	4-4.5t
14	RX50M300-502000-W00	油嘴组件 Nozzle valve assy	1	5t
15	JISB2401-P18-G00	O 形密封圈 P18 O-ring	1	
16	See OPT. Parts List 3	隔套 Sheath	1	

选配3 <Optional Parts List 3>

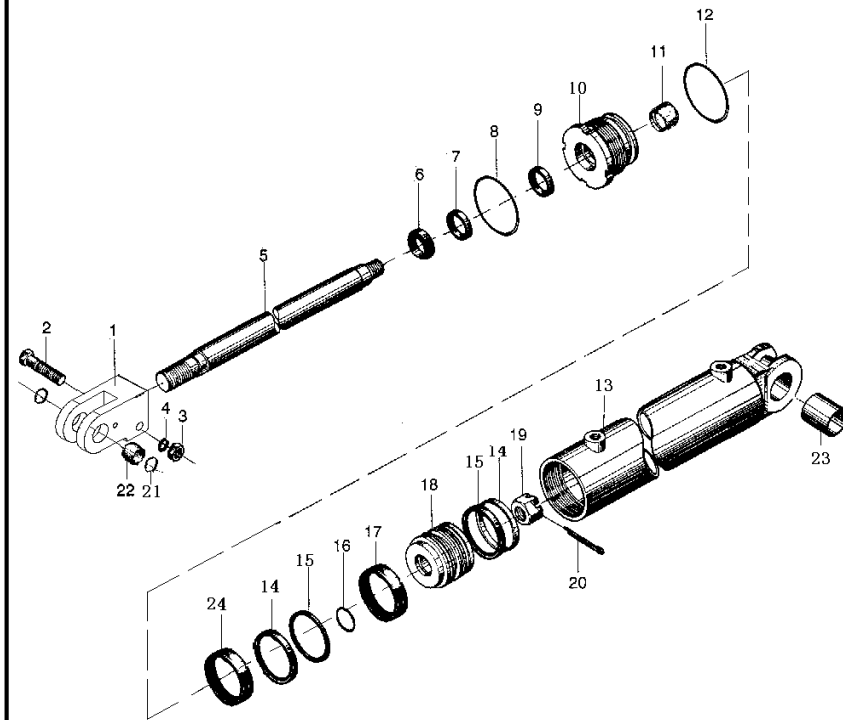
序号 Item No.	4-4.5 t A1 (右 R.H.)	4-4.5 t A2 (左 L.H.)	4-4.5 t 7(右 R.H.)	4-4.5 t 7(左 L.H.)	12	16
起升高度 Lift Height	物料码 Part No.	物料码 Part No.	物料码 Part No.	物料码 Part No.	物料码 Part No.	物料码 Part No.
2500	R45M250-400000-000	R45M250-500000-000	R45M250-401000-W00	R45M250-501000-W00	R45M250-500001-W00	Without part 16
2700	R45M270-400000-000	R45M270-500000-000	R45M270-401000-W00	R45M270-501000-W00	R45M270-500001-W00	Without part 16
3000	R45M300-400000-001	R45M300-500000-001	R45M300-401000-W00	R45M300-501000-W00	R45M300-500001-W00	Without part 16
3300	R45M330-400000-000	R45M330-500000-000	R45M330-401000-W00	R45M330-501000-W00	R45M330-500001-W00	Without part 16
3500	R45M350-400000-000	R45M350-500000-000	R45M350-401000-W00	R45M350-501000-W00	R45M350-500001-W00	Without part 16
3600	R45M360-400000-000	R45M360-500000-000	R45M360-401000-W00	R45M360-501000-W00	R45M360-500001-W00	Without part 16
3800	R45M380-400000-000	R45M380-500000-000	R45M380-401000-W00	R45M380-501000-W00	R45M380-500001-W00	Without part 16
4000	R45M400-400000-000	R45M400-500000-000	R45M400-401000-W00	R45M400-501000-W00	R45M400-500001-W00	R45M400-400001-W00
4300	R45M430-400000-000	R45M430-500000-000	R45M430-401000-W00	R45M430-501000-W00	R45M430-500001-W00	R45M430-400001-W00
4500	R45M450-400000-000	R45M450-500000-000	R45M450-401000-W00	R45M450-501000-W00	R45M450-500001-W00	R45M450-400001-W00
4800	R45M480-400000-000	R45M480-500000-000	R45M480-401000-W00	R45M480-501000-W00	R45M480-500001-W00	R45M480-400001-W00
5000	R45M500-400000-000	R45M500-500000-000	R45M500-401000-W00	R45M500-501000-W00	R45M500-500001-W00	R45M500-400001-W00
5500	R45M550-400000-000	R45M550-500000-000	R45M550-401000-W00	R45M550-501000-W00	R45M550-500001-W00	R45M550-400001-W00
6000	R45M600-400000-000	R45M600-500000-000	R45M600-401000-W00	R45M600-501000-W00	R45M600-500001-W00	R45M600-400001-W00

选配3 < Optional Parts List 3>

序号 Item	5t A1 (右 R.H.)	5t A2 (左 L.H.)	5 t 7(右 R.H.)	5 t 7(左 L.H.)
起升高度 Lift Height	物料码 Part No.	物料码 Part No.	物料码 Part No.	物料码 Part No.
2500	RX50M250-400000-100	RX50M250-500000-100	RX50M250-401000-W00	RX50M250-501000-W00
2700	RX50M270-400000-100	RX50M270-500000-100	RX50M270-401000-W00	RX50M270-501000-W00
3000	RX50M300-400000-100	RX50M300-500000-100	RX50M300-401000-W00	RX50M300-401000-W00
3300	RX50M330-400000-100	RX50M330-500000-100	RX50M330-401000-W00	RX50M330-501000-W00
3500	RX50M350-400000-100	RX50M350-500000-100	RX50M350-401000-W00	RX50M350-501000-W00
3600	RX50M360-400000-100	RX50M360-500000-100	RX50M360-401000-W00	RX50M360-501000-W00
3800	RX50M380-400000-100	RX50M380-500000-100	RX50M380-401000-W00	RX50M380-501000-W00
4000	RX50M400-400000-100	RX50M400-500000-100	RX50M400-401000-W00	RX50M400-501000-W00
4300	RX50M430-400000-100	RX50M430-500000-100	RX50M430-401000-W00	RX50M430-501000-W00
4500	RX50M450-400000-100	RX50M450-500000-100	RX50M450-401000-W00	RX50M450-501000-W00
4800	RX50M480-400000-100	RX50M480-500000-100	RX50M480-401000-W00	RX50M480-501000-W00
5000	RX50M500-400000-100	RX50M500-500000-100	RX50M500-401000-W00	RX50M500-501000-W00
5500	RX50M550-400000-100	RX50M550-500000-100	RX50M550-401000-W00	RX50M550-501000-W00
6000	RX50M600-400000-100	RX50M600-500000-100	RX50M600-401000-W00	RX50M600-501000-W00

图 7-7 倾斜油缸  
Fig.7-7 Tilt cylinder

二级门架 SIMPLEX MAST



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
A1	J45M300-600000-000	倾斜油缸 Tilt cylinder	2	2.5m-4m
A2	J45M430-600000-000	倾斜油缸 Tilt cylinder	2	4.3m-5.0m
A3	J45N550-600000-000	倾斜油缸 Tilt cylinder	2	≥5.5m
1	J45M300-600001-W00	耳环 Ear ring	1	
2	G005785-016085-00	螺栓 M16×1.5×85 Bolt	1	
3	G006171-000016-02	螺母 M16×1.5 Nut	1	
4	G000093-000016-00	垫圈 16 Washer 16	1	
5	J45M300-600002-W00	活塞杆 Piston rod	1	A1 倾斜油缸 Tilt cylinder
5	J45M430-600002-W00	活塞杆 Piston rod	1	A2/A3 倾斜油缸 Tilt cylinder
6	CL0077C2-G00	LBH 防尘圈 d40 Dust ring d40	1	
7	RU3100400-Z20-G00	U 形密封圈 d40 U-seal ring d40	1	
8	G001235-010503P1-00	O 形密封圈 105×3.1 O-ring 105×3.1	1	
9	RS1300400-T46-G00	斯特封 d40 Seal-ring d40	1	
10	R45M300-600002-000	导向套 Guide sleeve	1	
11	SF-1-4030-G00	复合衬套 4030 Combination bush	1	

图 7-7 倾斜油缸  
Fig.7-7 Tilt cylinder

二级门架 SIMPLEX MAST

序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
12	G001235-010003P1-00	O 形密封圈 100×3.1 O-ring 100×3.1	1	
13	J45M300-601000-W00	缸体 Cylinder body	1	
14	FU1078L0-G00	OSI 密封圈 D100 OSI-seal ring D100	2	
15	R45M300-600003-000	保护圈 D100×85×3 Ring	2	
16	G001235-003503P5-00	O 形密封圈 35×3.5 O-ring	1	
17	R45M300-600004-W00	支撑环 100×95×14.3 Support ring	1	
18	R45M300-600005-000	活塞 Piston	1	
19	G009457-000030-02	螺母 M30×2 Nut M30×2	1	
20	G000091-005050-00	销 5×50 Pin 5×50	1	
21	G0893P1-000055-00	挡圈 55 Snap ring 55	4	
22	SF-1-3525-G00	复合衬套 3525 Combination bush	1	
23	G009163-3500000-03	轴承 GE35ES-2RS Bearing	1	
24	J45M430-600003-W00	隔套 Sheath	1	

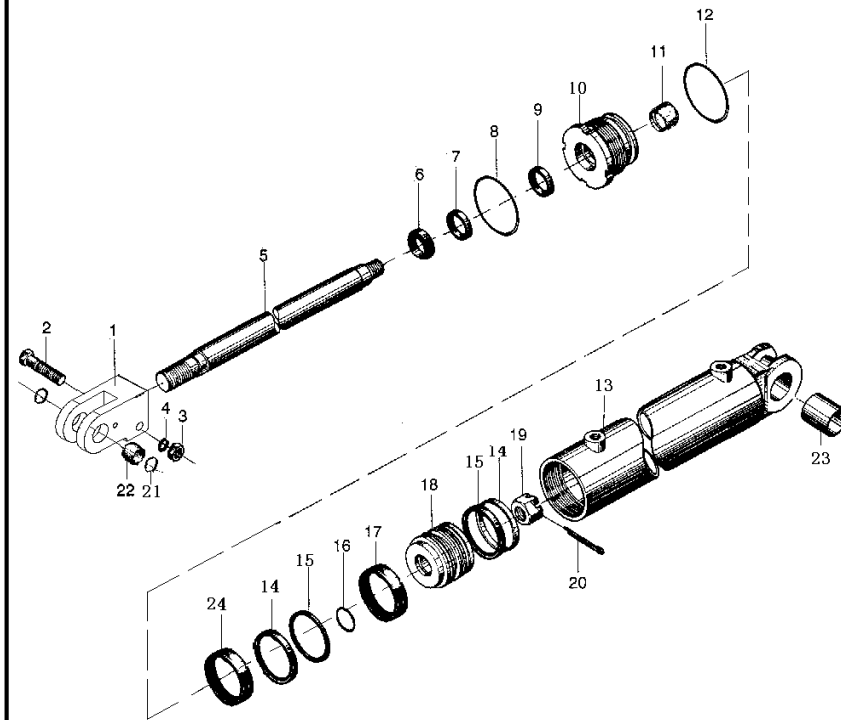
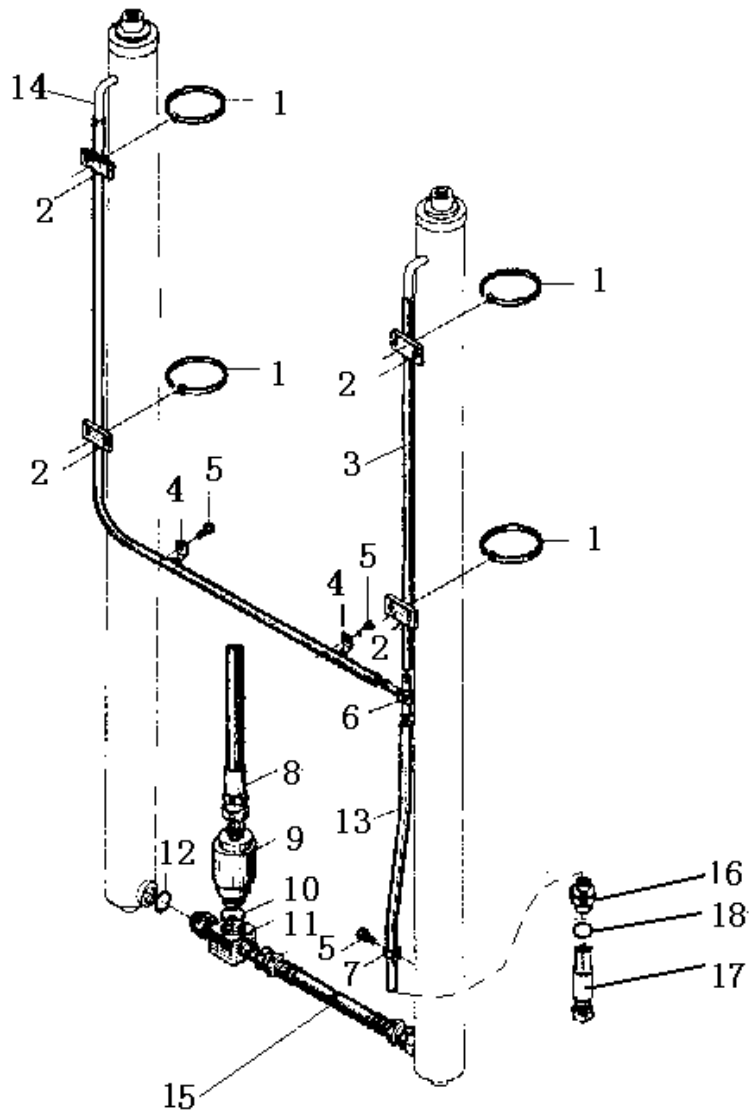


图 7-8 油路系统

Fig.7-8 Oil pipe system

二级门架 SIMPLEX MAST



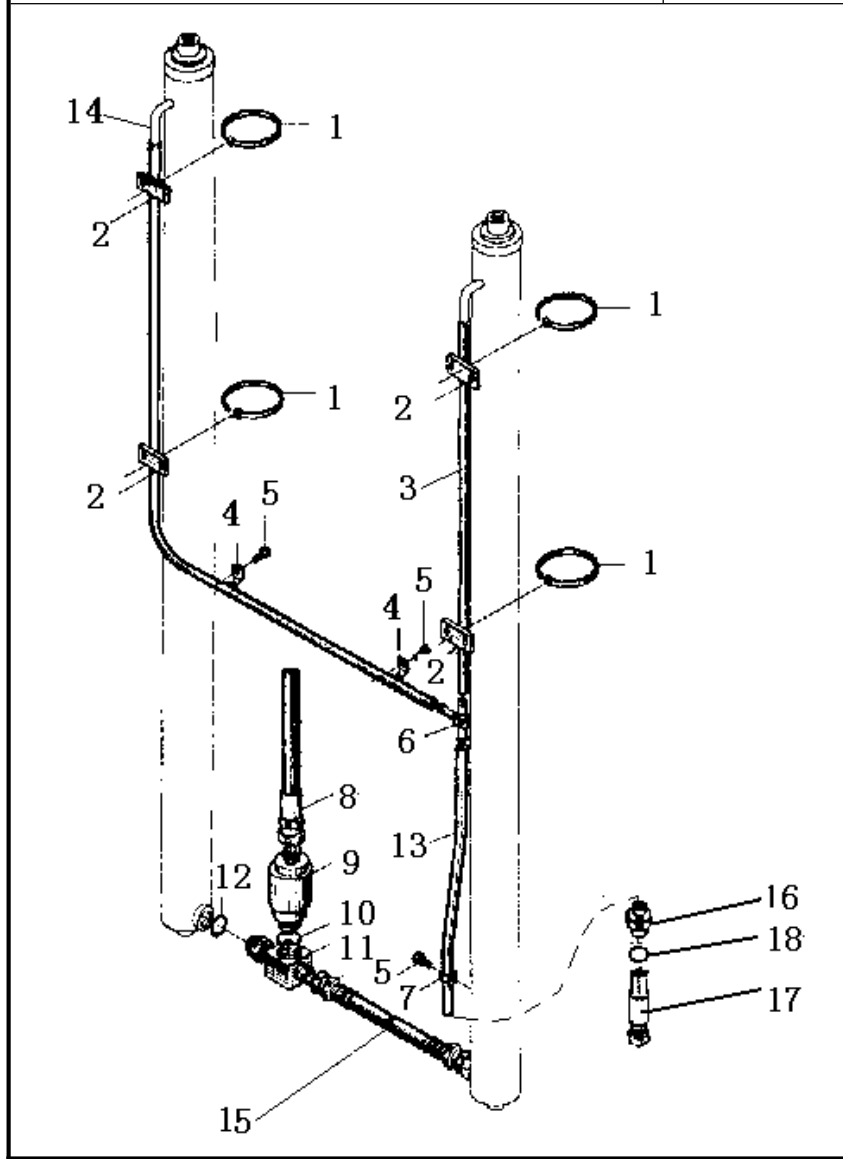
序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
1	GT-3001-G00	通用尼龙扎带 Clamp-band	4	
2	N30M300-700002-000	镶边 Band	4	
3	See OPT. Parts List 4	回油管 $\Phi 14.5 \times \Phi 9.5$ Return oil pipe	1	
4	S16M300-700003-000	管夹 Clip	2	
5	N30M300-003000-000	螺栓 M8 $\times$ 1.25 $\times$ 16 Bolt M8 $\times$ 1.25 $\times$ 16	3	
6	N30M300-700005-000	三通接头 Tee connector	1	
7	N30M300-700006-000	管夹 Clip	1	
8	R45M300-701000-001	胶管总成 Oil pipe assy	1	
9	R45M300-702000-000	限速阀 Speed limiting valve	1	
10	JISB2401-P24-G00	O 形密封圈 P24 O-ring	1	
11	R45M300-704000-000	三通接头 Tee connector	1	
12	G001235-002402P4-00	O 形密封圈 24 $\times$ 2.4 O-ring	1	
13	R45M300-700003-W00	回油管 $\Phi 14.5 \times \Phi 9.5$ Return oil pipe	1	
14	See OPT. Parts List 4	回油管 $\Phi 14.5 \times \Phi 9.5$ Return oil pipe	1	
15	R45M300-703000-000	油管 Oil pipe assy	1	



图 7-8 油路系统

Fig.7-8 Oil pipe system

二级门架 SIMPLEX MAST



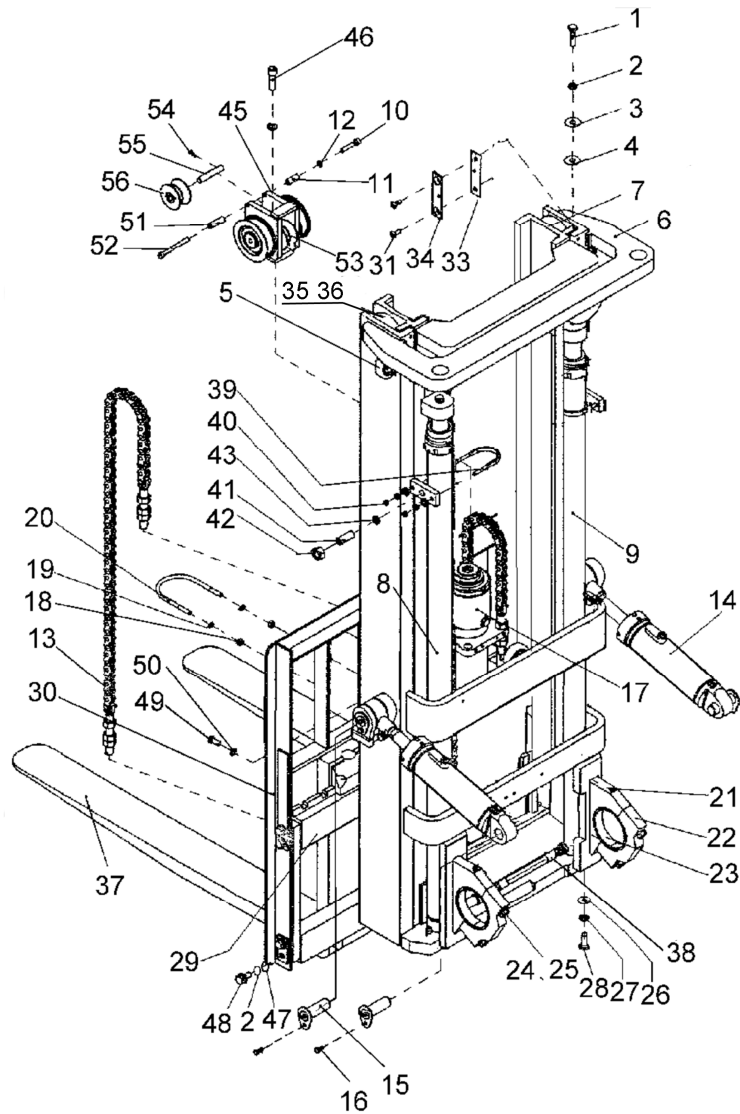
序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
16	3-60-00-30A	铰接螺栓 Bol	1	
17	N15N450-200019-000	低压接头 connector	1	
18	J000982-000012-00	垫圈 12 Washe	2	

选配 4 <Optional Parts List 4>

序号 Item	3	14
起升高度 Lift Height	物料码 Part No.	物料码 Part No.
2500	J45M250-700002-W00	J45M250-700001-W00
2700	J45M270-700002-W00	J45M270-700001-W00
3000	R45M300-700002-W00	R45M300-700001-W00
3300	J45M330-700002-W00	J45M330-700001-W00
3500	J45M350-700002-W00	J45M350-700001-W00
3600	J45M360-700002-W00	J45M360-700001-W00
3800	J45M380-700002-W00	J45M380-700001-W00
4000	J45M400-700002-W00	J45M400-700001-W00
4300	J45M430-700002-W00	J45M430-700001-W00
4500	J45M450-700002-W00	J45M450-700001-W00
4800	J45M480-700002-W00	J45M480-700001-W00
5000	J45M500-700002-W00	J45M500-700001-W00
5500	J45M550-700002-W00	J45M550-700001-W00
6000	J45M600-700002-W00	J45M600-700001-W00

图 7-9 起升组件  
Fig.7-9 Lifting part

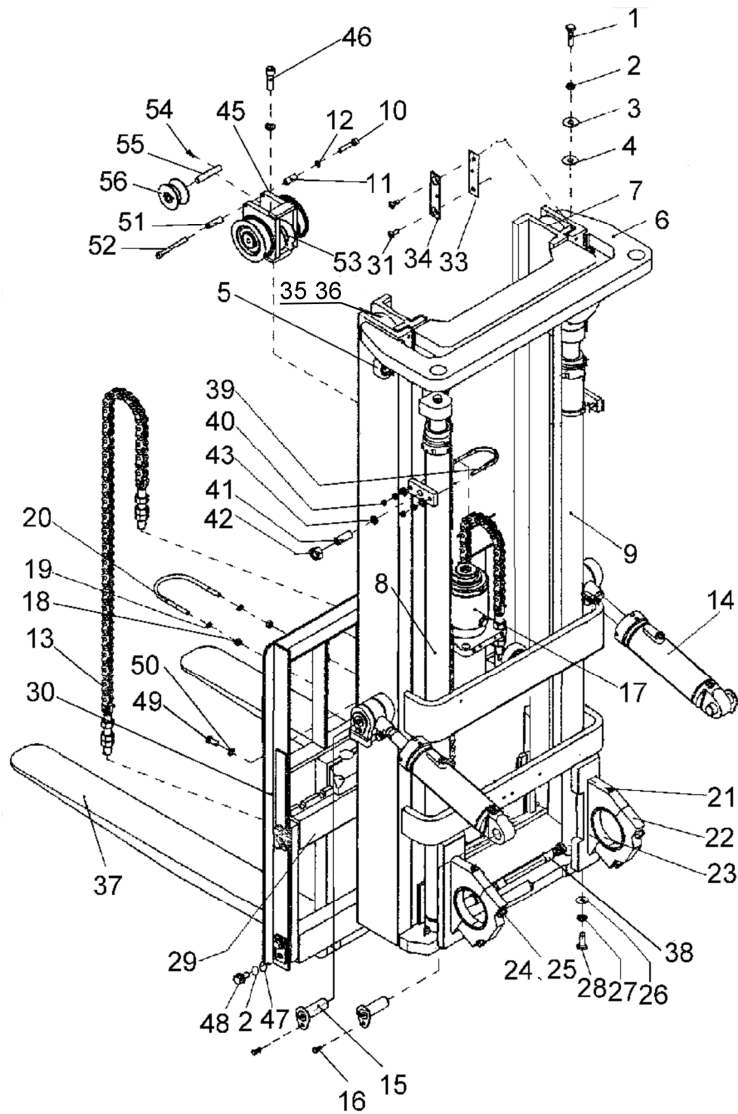
二级全自由门架 DUPLEX MAST



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
1	G005785-016070-01	螺栓 M16×1.5×70 Bolt M16×1.5×70	2	
2	G000093-000016-00	垫圈 16 Washer 16	12	
3	40M3.3-000002	调整垫 Adjusting shim	2	
4	40M3.3-000003	调整垫 Adjusting shim	2	
5	4M3F-202000	侧滚轮组 Side rollers	2	
6	见图 7-11 See Fig.7-11	外门架 Outer mast	1	
7	见图 7-11 See Fig.7-11	内门架 Inner mast	1	
8	见图 7-14 See Fig.7-14	左升降油缸 L.H. Lifting cylinder	1	
9	见图 7-14 See Fig.7-14	右升降油缸 R.H. Lifting cylinder	1	
10	G000070-010060-00	螺钉 M10×60 Screw M10×60	1	
11	2025N4.3-000004	套筒 Sleeve	2	
12	G000093-000010-00	垫圈 10 Washer 10	6	
13	见图 7-10 See Fig.7-10	链条总成 Chain assy	2	
14	见图 7-15 See Fig.7-15	倾斜油缸 Tilt cylinder	2	
15	J45M300-001000-000	销轴 Pin shaft	4	

图 7-9 起升组件  
Fig.7-9 Lifting part

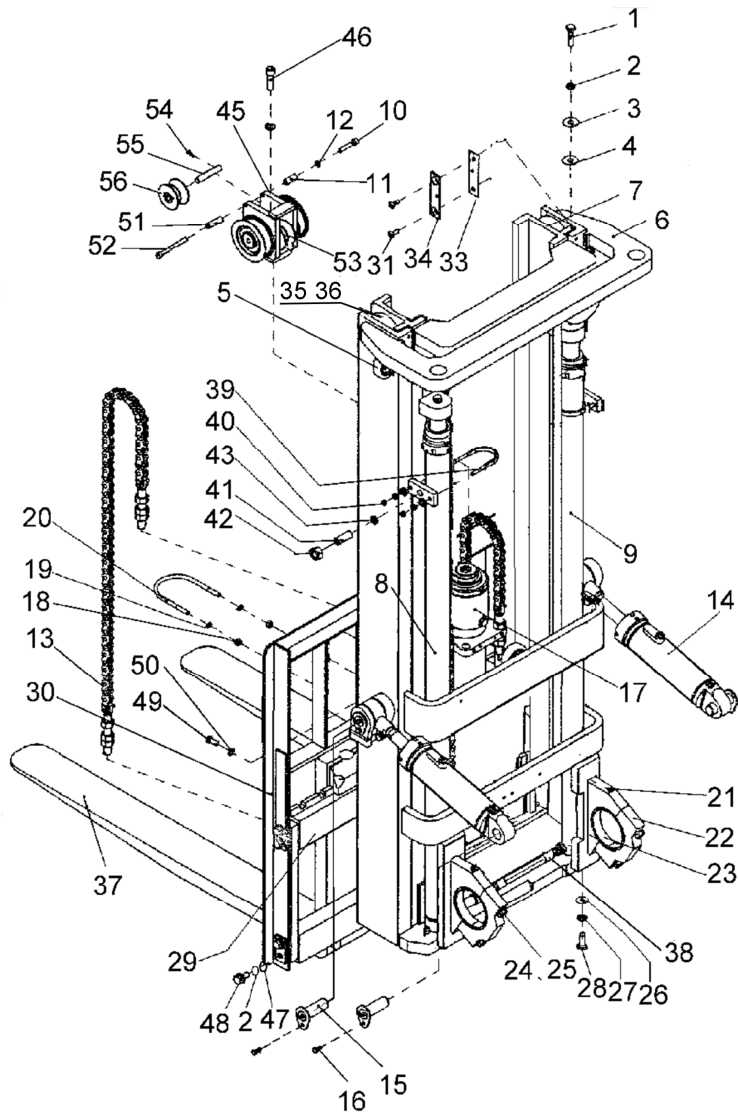
二级全自由门架 DUPLEX MAST



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
16	N30M300-004000-000	螺栓 M10×1.25×20 Bolt M10×1.25×20	4	
17	见图 7-16 See Fig.7-16	短升降油缸 Lift cylinder,short	1	
18	G006170-000014-00	螺母 M14 Nut M14	4	
19	G000093-000014-00	垫圈 14 Washer 14	6	
20	4N4.5H-000001	短缸固定螺栓 Bolt	1	
21	G001152-010001-00	油杯 M10×1 Oil cup M10×1	6	
22	R45M300-000001-000	轴承盖 Bearing cap	2	
23	R45M300-000002-000	轴瓦 Bearing liner	2	
24	G005785-020110-00	螺栓 M20×1.5×110 Bolt M20×1.5×110	4	
25	G000093-000020-00	垫圈 20 Washer 20	8	
26	G0097P1-000010-00	垫圈 10 Washer 10	2	
27	G000093-000010-00	垫圈 10 Washer 10	2	
28	G000070-010030-00	螺钉 M10×30 Screw M10×30	2	
29	R45M300-004000-000	挡货架 Load bracket	1	
30	见图 7-12 See Fig.7-12	货叉架总成 Fork carriage assy	1	

图 7-9 起升组件  
Fig.7-9 Lifting part

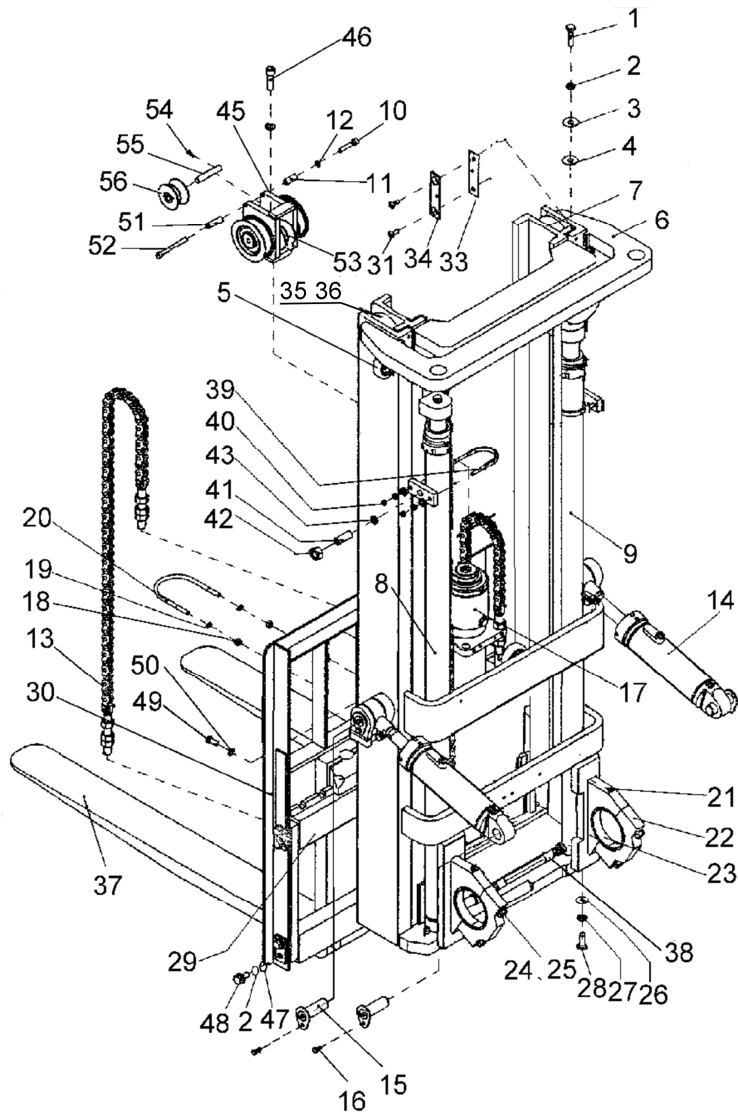
二级全自由门架 DUPLEX MAST



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
30	见图 7-13 See Fig.7-13	侧移架总成 Side carriage assy	1	
31	G000068-008016-00	螺钉 M8×16 Screw M8×16	4	
33	R45M300-000007-000	调整垫片 Adjusting shim	2	
34	R45M300-000006-000	导轨衬垫 Rubber cover	2	
35	10310D-G00	起升滚轮 Roller	2	
36	G0894P1-000050-00	挡圈 50 Washer 50	2	
37	4M3H-010000	货叉总成 Fork assy	2	4.0-4.5 t 标配 Standard
37	J50M300-010000-000	货叉总成 Fork assy	2	5.0 t 标配 Standard
37	N35M300-010000-000	货叉总成 Fork assy	2	4.0 t 选配 Option
37	J45M300-010000-000	货叉总成 Fork assy	2	4.5-5.0 t 选配 Option
38	见图 7-17 See Fig.7-17	油路系统 Oil pipe system	1	
39	R45M300-003000-000	油缸固定螺栓 Bolt	2	
40	G006170-000008-00	螺母 M8 Nut M8	8	
41	R45M300-000004-000	螺钉 Screw	2	
42	G006170-000020-00	螺母 M20 Nut M20	2	

图 7-9 起升组件  
Fig.7-9 Lifting part

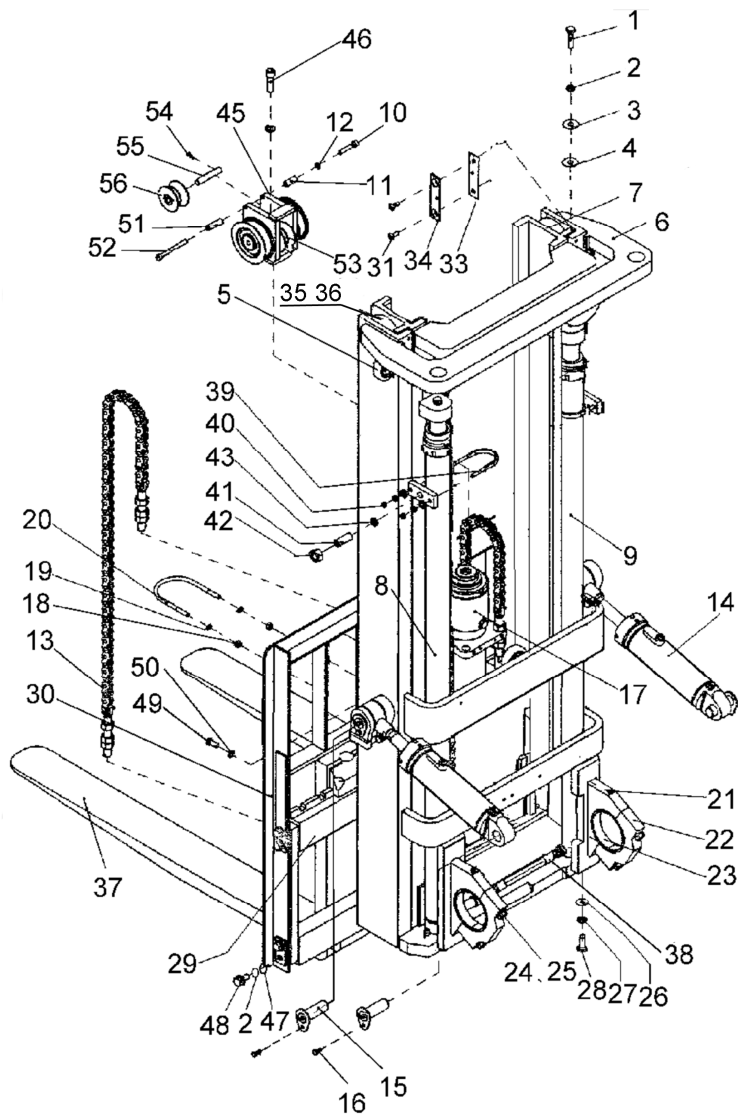
二级全自由门架 DUPLEX MAST



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
43	R45M300-005000-000	油缸支撑 Cylinder support	2	
A	R45U275-010000-000	链条座总成 Chain seat assy	1	4.0-4.5 t INC:45;51-56
45	R45U275-011000-000	链条座 Chain seat	1	4.0-4.5 t
A	RX50U275-010000-000	链条座总成 Chain seat assy	1	5 t INC:45;51-56
45	RX50U275-011000-000	链条座 Chain seat	1	5 t
46	G005782-020016-00	螺栓 M20×16 Bolt M20×16	1	
47	G0097P1-000016-00	垫圈 16 Washer 16	8	
48	G005783-016040-00	螺栓 M16×40 Bolt	8	
49	G005782-012025-00	螺栓 M12×25 Bolt M12×25	1	
50	G000093-000012-00	垫圈 12 Washer 12	1	
51	CSOW-00-03A-G00	套筒 Sleeve	1	
52	CSOW-00-04A-G00	螺钉 Screw	1	
53	R45U275-010001-000	隔套 Sleeve	4	4.0-4.5 t
53	RX50U275-010001-000	隔套 Sleeve	4	5.0 t
53	RX50U275-010001-000	隔套 Sleeve	4	

图 7-9 起升组件  
 Fig.7-9 Lifting part

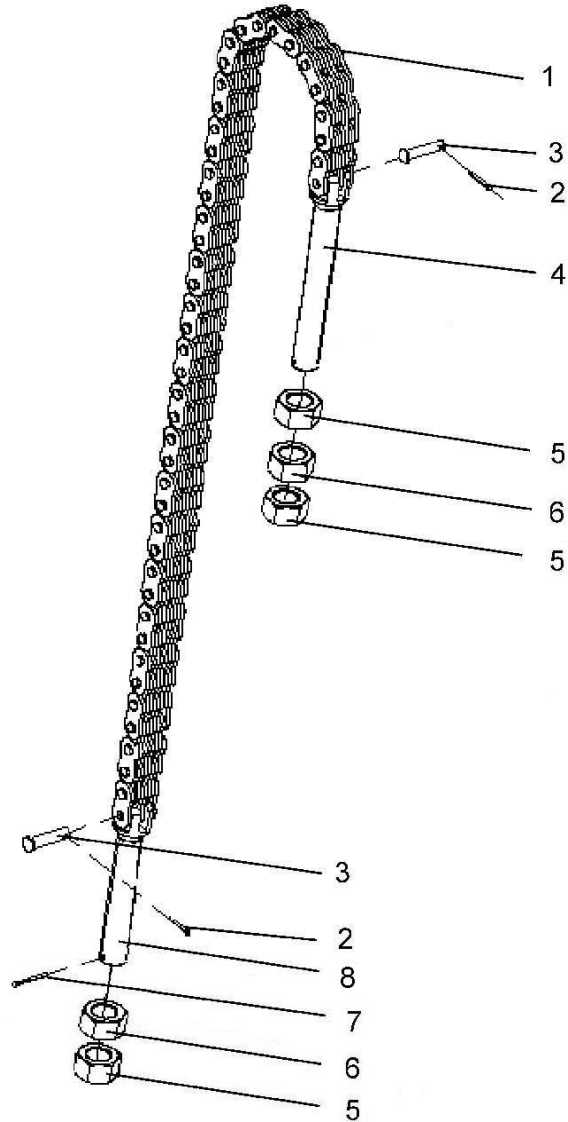
二级全自由门架 DUPLEX MAST



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
54	G000075-006012-00	螺钉 M6x12 Screw M6x12	2	
55	1QN5-200002B	销轴 Pin shaft	2	
56	CSOR-00-01	前滑轮 Wheel	2	

图 7-10 链条总成  
Fig.7-10 Chain assy

二级全自由门架 DUPLEX MAST



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
A1	See OPT. Parts List 5	链条总成 Chain assy	2	4-4.5t
A2	See OPT. Parts List 5	链条总成 Chain assy	2	5 t
1	NO PART NO.	板式链 LH2023x(n+1) Chain H2023x(n+1)	1	4-4.5t
1	NO PART NO.	板式链 LH1644x(n+1) Chain LH1644x(n+1)	1	5t
2	G000091-004020-00	销 4x20 Pin 4x20	2	4-4.5t
2	G000091-003020-00	销 3x20 Pin 3x20	2	5t
3	40M3.3-800002	销轴 Pin shaft	2	4-4.5t
3	H50M300-002002-000	销轴 Pin shaft	2	5t
4	R45M300-002001-000	链条接头 Connector	1	4-4.5t
4	RX50M300-003001-100	链条接头 Connector	1	5t
5	50M3A-800001	螺母 Nut	3	
6	50M3A-800002	球螺母 Nut	2	
7	G000091-2P5028-00	销 2.5x28 Pin 2.5x28	1	
8	R45M300-002002-000	链条接头 Connector	1	4-4.5 t
8	RX50M300-003002-100	链条接头 Connector	1	5 t



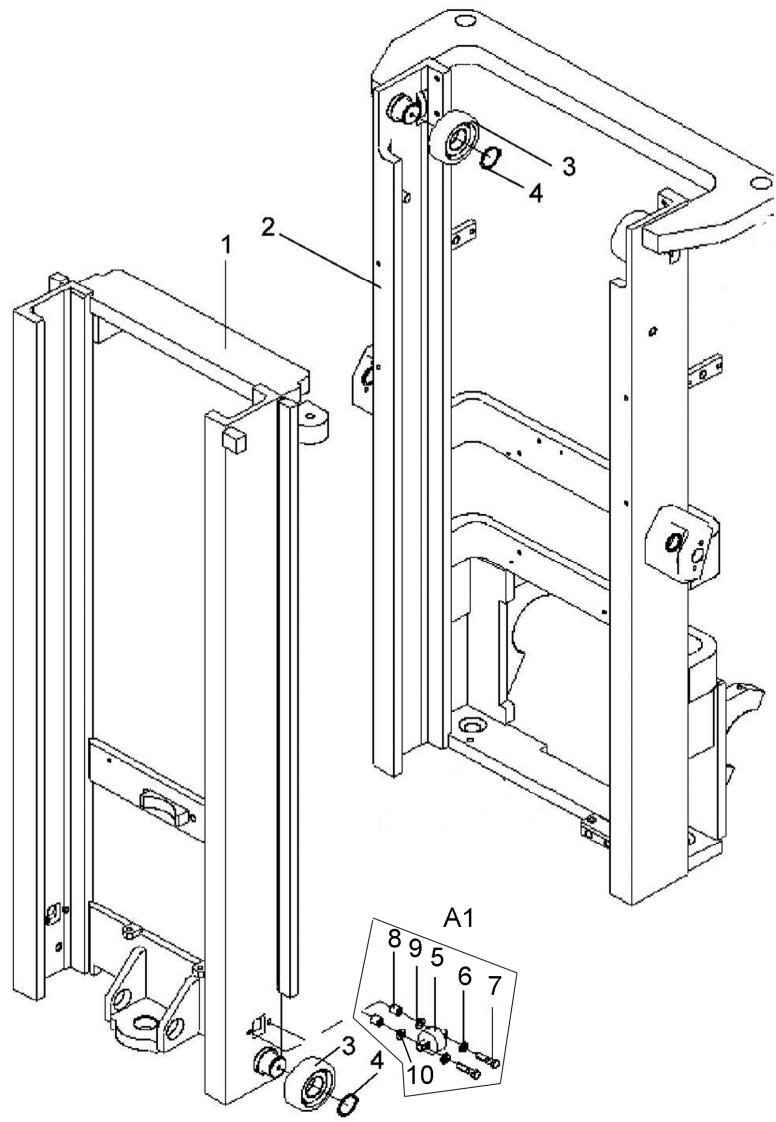
选配 5 <Optional Parts List 5>

序号 Item	A1 4t-4.5t	A2 5t
起升高度 Lift Height	物料码 Part No.	物料码 Part No.
2500	LH-2023039-100	LH-1644053-100
2750	LH-2023041-100	LH-1644053-100
3000	LH-2023043-100	LH-1644057-100
3300	LH-2023045-100 (非内置 No built-in) LH-2023047-100 (内置 Built-in)	LH-1644059-100
3500	LH-2023047-100	LH-1644061-100
3600	LH-2023049-100	LH-1644063-100
3700	LH-2023049-100	LH-1644063-100
4000	LH-2023051-100	LH-1644067-100

图 7-11 门架  
Fig.7-11 Mast

二级全自由门架 DUPLEX MAST

序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
1	See OPT. Parts List 6	外门架 Outer mast	1	4-4.5t
1	See OPT. Parts List 6	外门架 Outer mast	1	5 t
2	See OPT. Parts List 6	内门架 Inner mast	1	
3	10310D-G00	起升滚轮 Roller	4	
4	G0894P1-000050-00	挡圈 50 Washer 50	4	
A1	4M3F-202000	侧滚轮组 Side rollers	2	包含 INC:5-10
5	C58x80-G00	侧滚轮 Side roller	2	
6	G000093-000012-00	垫圈 12 Washer 12	4	
7	G005782-012050-00	螺栓 M12x50 Bolt M12x50	4	
8	4M3F-202001	衬圈 Bushing	4	
9	40M3.3-201003	调整垫 Adjusting shim	4	
10	30806-G00	侧滚轮 Side roller	2	



选配 6 <Optional Parts List 6>

序号 Item	1 4-4.5t 外门架 Outer mast	1 5.0 t 外门架 Outer mast	2 内门架 Inner mast
起升高度 Lift Height	物料码 Part No.	物料码 Part No.	物料码 Part No.
2500	J45U250-100000-000	J50U250-100000-000	R45U250-200000-000
2750	J45U275-100000-000	J50U275-100000-000	R45U275-200000-000
3000	J45U300-100000-000	J50U300-100000-000	R45U300-200000-000
3300	J45U330-100000-000	J50U330-100000-000	R45U330-200000-000
3600	J45U360-100000-000	J50U360-100000-000	R45U360-200000-000
3700	J45U370-100000-000	J50U370-100000-000	R45U370-200000-000
4000	J45U400-100000-000	J50U400-100000-000	R45U400-200000-000

图 7-12 货叉架总成  
Fig.7-12 Fork carriage assy

二级全自由门架 DUPLEX MAST

序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
A1	J45U275-300000-000	货叉架总成 Fork carriage assy	1	
1	J45U275-301000-000	货叉架体 Fork carriage	1	
2	10310D-G00	起升滚轮 Roller	6	
3	G0894P1-000050-00	挡圈 50 Snap ring 50	6	
A2	4M3F-202000	侧滚轮组 Side rollers	4	包含 INC:4-9
4	G005782-012050-00	螺栓 M12×50 Bolt M12×50	8	
5	G000093-000012-00	垫圈 12 Washer 12	8	
6	4M3F-202001	衬圈 Bushing	8	
7	40M3.3-201003	调整垫 Adjusting shim	8	
8	40M3.3-201002	调整垫 Adjusting shim	8	
9	C58×80-G00	侧滚轮 Side roller	4	

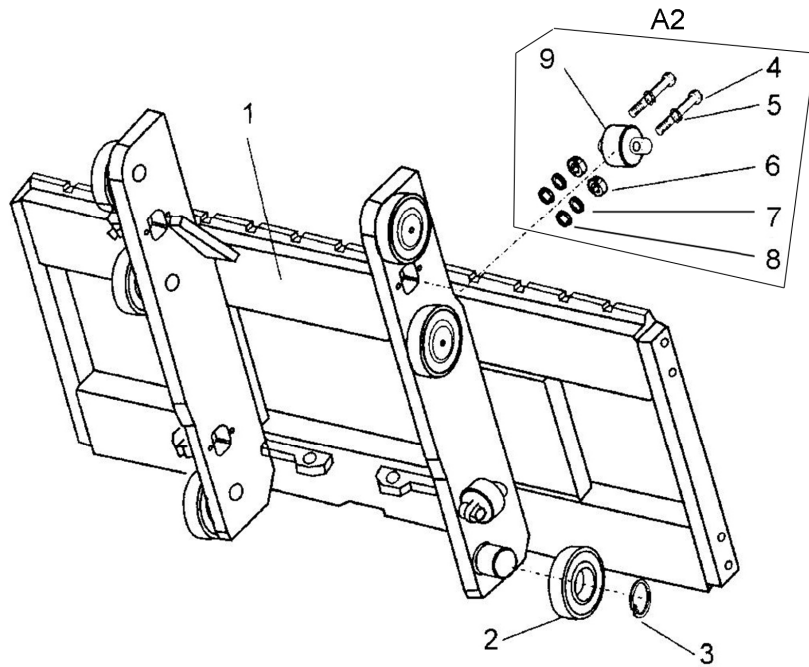


图 7-13 侧移架总成  
Fig.7-13 Sidle carriage assy

二级全自由门架 DUPLEX MAST

序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
A1	J45C275-300000-001	侧移架总成 Sidle carriage assy	1	
1	J45C275-301000-001	叉架体 Fork carriage	1	
2	R45V450-303000-000	侧移油缸 Side cylinder	1	
3	C58x80-G00	侧滚轮 Side roller	2	
4	10310D-G00	起升滚轮 Roller	6	
5	G0894P1-000050-00	挡圈 50 snap ring 50	6	
6	R45V450-302000-001	侧移货叉架 Side shifting carriage	1	
7	G001152-006000-00	油杯 M6 Oil cup M6	6	
8	S16V450-300001-000	塞铁 Plug	5	
9	1.4QS1-000006	挡块 Block	2	
10	R45V450-300005-000	轴 Shaft	2	
11	G0894P1-000022-00	挡圈 22 snap ring 22	2	
12	R45V450-300003-000	垫圈 22 Washer 22	2	
13	R45V450-300006-000	挂钩板 Suspension hook board	2	
14	G005786-016050-00	螺栓 M16x1.5x50 Bolt M16x1.5x50	4	

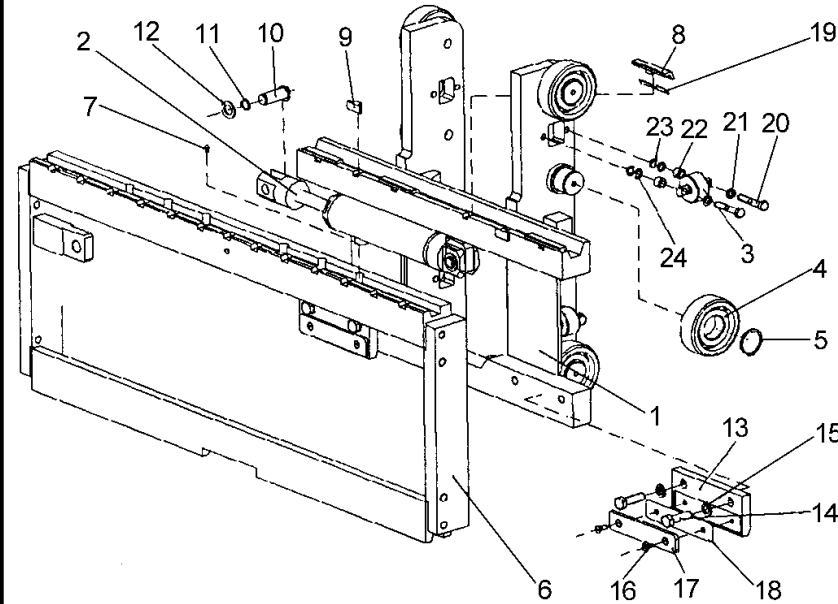


图 7-13 侧移架总成  
Fig.7-13 Sidle carriage assy

二级全自由门架 DUPLEX

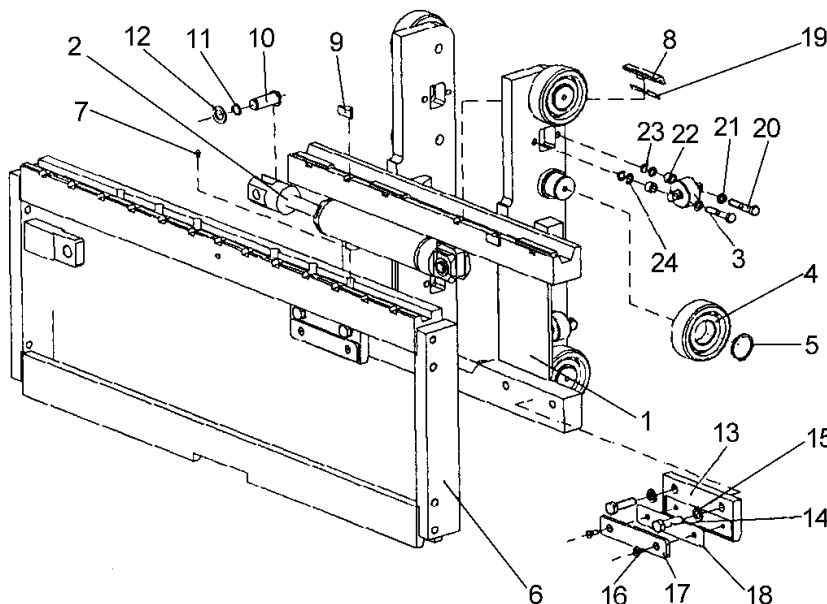
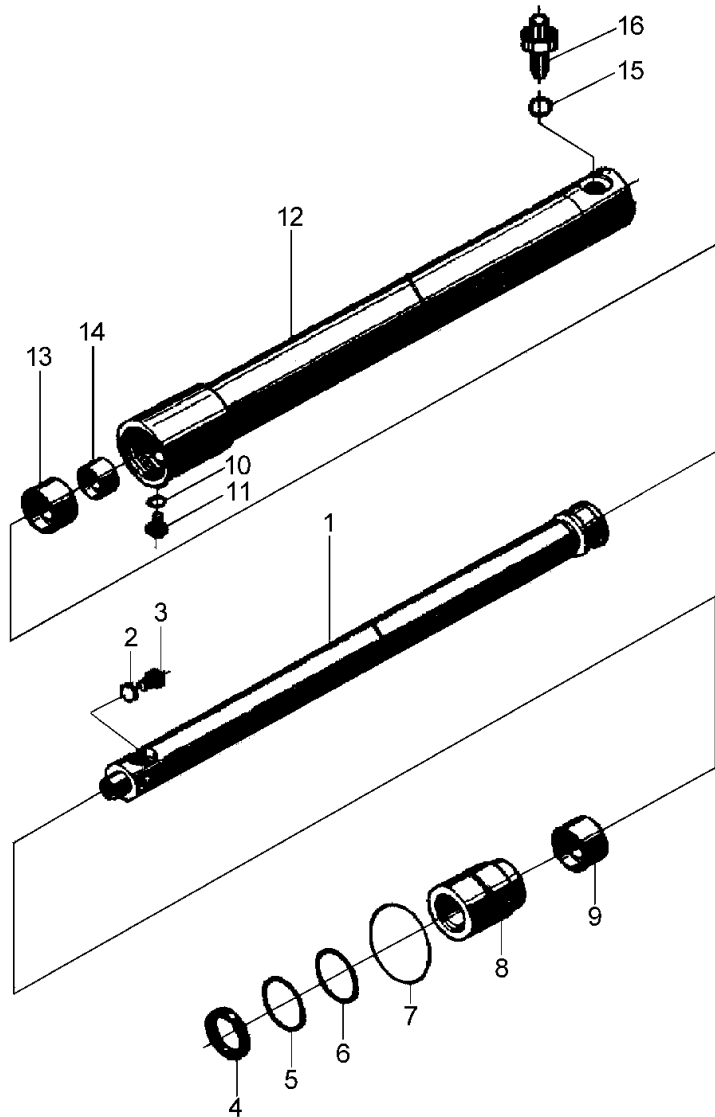
图 7-13 侧移架总成 Fig.7-13 Sidle carriage assy	序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
	15	G000093-000016-00	垫圈 16 Washer 16	4	
	16	G000068-008016-00	螺钉 M8×16 Bolt M8×16	4	
	17	R45V450-300002-000	下滑块 Under slide block	2	
	18	R45V450-300008-000	调整垫 Adjusting shim	2	
	19	S16V450-300009-000	调整垫 Adjusting shim	4	
	20	G005782-012050-00	螺栓 M12×50 Bolt M12×50	8	
	21	G000093-000012-00	垫圈 12 Washer 12	8	
	22	4M3F-202001	衬圈 Bushing	8	
	23	40M3.3-201002	调整垫 Adjusting shim	8	
	24	40M3.3-201003	调整垫 Adjusting shim	8	

图 7-14 左/右升降油缸  
Fig.7-14 L.H./R.H. Lifting cylinder

二级全自由门架 DUPLEX MAST

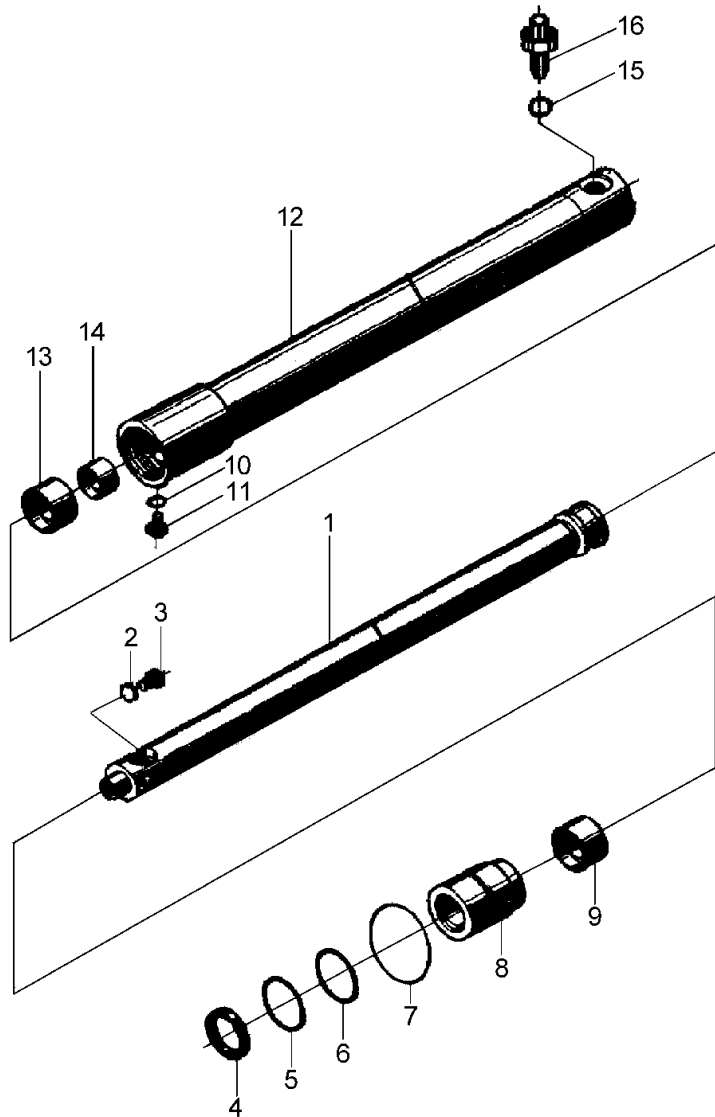


序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
A	See OPT. Parts List 7	右升降油缸 R.H. Lifting cylinder	1	
B	See OPT. Parts List 7	左升降油缸 L.H. Lifting cylinder	1	
1	See OPT. Parts List 7	右柱塞杆 R.H. Pole stopper rod	1	
1	See OPT. Parts List 7	左柱塞杆 L.H. Pole stopper rod	1	
2	J000982-000012-00	垫圈 22 Washer 22	1	右升降油缸 R.H. Lifting cylinder
3	2.5CDJ32-00-01-G00	堵塞 Plug	1	右升降油缸 R.H. Lifting cylinder
4	FD2831A0-G00	DKI 防尘圈 d50 DKI-dustproof ring d50	1	
5	4U2.75L-300001	挡圈 Snap ring	1	
6	FU0619K0-G00	ISI 密封圈 d50 ISI-seal ring d50	1	
7	G001235-007003P1-00	O 型密封圈 70×3.1 O-ring 70×3.1	1	
8	R45U275-400001-W00	导向套 Guide sleeve	1	
9	SF-1-5030-G00	复合衬套 5030 Combination bush	1	
10	J000982-000008-00	垫圈 8 Washer	1	
11	R45U275-400002-W00	放气螺塞 Plug	1	
12	See OPT. Parts List 7	右缸体 R.H. Cylinder body	1	

图 7-14 左/右升降油缸

Fig.7-14 L.H./R.H. Lifting cylinder

二级全自由门架 DUPLEX MAST



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
12	See OPT. Parts List 7	左缸体 L.H. Cylinder body	1	
13	4U2.75L-300003	支承环 Support ring	1	
14	N35M300-400006-W00	隔套 Sheath	1	
15	JISB2401-P18-G00	O 形密封圈 P18 O-ring	1	左升降油缸 L.H. Lifting cylinder
16	R45M300-402000-W00	油嘴组件 Nozzle valve assy	1	左升降油缸 L.H. Lifting cylinder

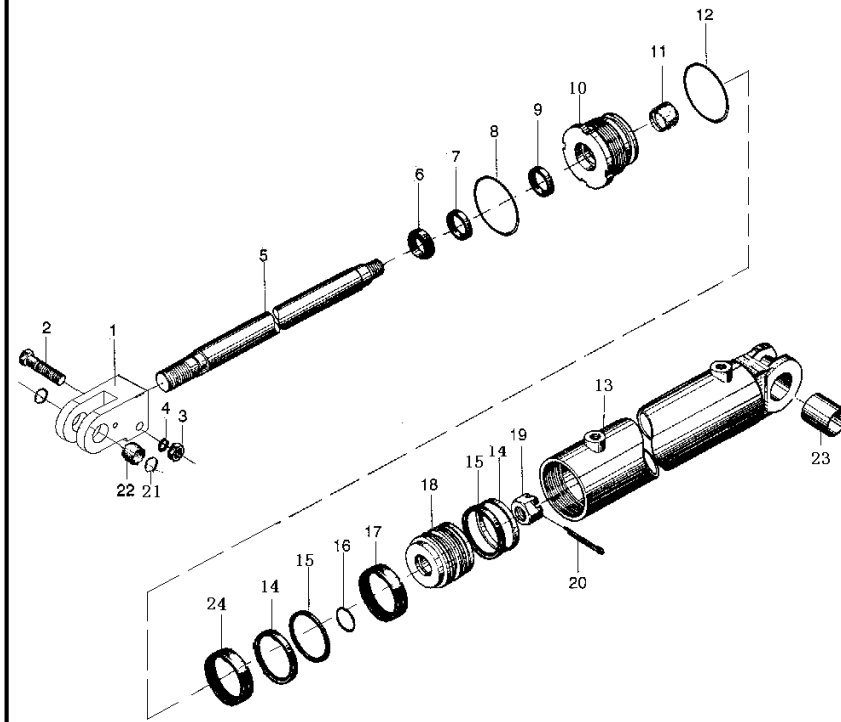


选配7 <Optional Parts List 7>

序号 Item	A 右 R.H.	B 左 L.H	1 右 R.H.	1 左 L.H	12 右 R.H.	12 左 L.H
起升高度 Lift Height	物料码 Part No.	物料码 Part No.	物料码 Part No.	物料码 Part No.	物料码 Part No.	物料码 Part No.
2500	R45U250-400000-001	R45U250-500000-001	R45U250-401000-W01	R45U250-501000-W01	R45U250-402000-W01	R45U250-502000-W01
2750	R45U275-400000-001	R45U275-500000-001	R45U275-401000-W01	R45U275-501000-W01	R45U275-402000-W01	R45U275-502000-W01
3000	R45U300-400000-001	R45U300-500000-001	R45U300-401000-W01	R45U300-501000-W01	R45U300-402000-W01	R45U300-502000-W01
3300	R45U330-400000-001	R45U330-500000-001	R45U330-401000-W01	R45U330-501000-W01	R45U330-402000-W01	R45U330-502000-W01
3500	R45U350-400000-001	R45U350-500000-001	R45U350-401000-W01	R45U350-501000-W01	R45U350-402000-W01	R45U350-502000-W01
3600	R45U360-400000-001	R45U360-500000-001	R45U360-401000-W01	R45U360-501000-W01	R45U360-402000-W01	R45U360-502000-W01
3700	R45U370-400000-001	R45U370-500000-001	R45U370-401000-W01	R45U370-501000-W01	R45U370-402000-W01	R45U370-502000-W01
4000	R45U400-400000-001	R45U400-500000-001	R45U400-401000-W01	R45U400-501000-W01	R45U400-402000-W01	R45U400-502000-W01

图 7-15 倾斜油缸  
Fig.7-15 Tilt cylinder

二级全自由门架 DUPLEX MAST



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
A1	J45M300-600000-000	倾斜油缸 Tilt cylinder	1	2.5m-4m
A2	J45M430-600000-000	倾斜油缸 Tilt cylinder	1	≥4.3m
1	J45M300-600001-W00	耳环 Ear ring	1	
2	G005785-016085-00	螺栓 M16×1.5×85 Bolt	1	
3	G006171-000016-02	螺母 M16×1.5 Nut	1	
4	G000093-000016	垫圈 16 Washer 16	1	
5	J45M300-600002-W00	活塞杆 Piston rod	1	A1 倾斜油缸 Tilt cylinde
5	J45M430-600002-W00	活塞杆 Piston rod	1	A2 倾斜油缸 Tilt cylinde
6	CL0077C2-G00	LBH 防尘圈 d40 Dust ring d40	1	
7	RU3100400-Z20-G00	U 形密封圈 d40 U-seal ring d40	1	
8	G001235-010503P1-00	O 形密封圈 105×3.1 O-Ring 105×3.1	1	
9	RS1300400-T46-G00	斯特封 d40 Seal-ring d40	1	
10	R45M300-600002-W00	导向套 Guide sleeve	1	
11	SF-1-4030-G00	复合衬套 4030 Combination bush	1	
12	G001235-010003P1-00	O 形密封圈 100×3.1 O-ring 100×3.1	1	

图 7-15 倾斜油缸  
Fig.7-15 Tilt cylinder

二级全自由门架 DUPLEX MAST

序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
13	J45M300-601000-W00	缸体 Cylinder body	1	
14	FU1078L0-G00	OSI 密封圈 D100 OSI-seal ring D100	2	
15	R45M300-600003-000	保护圈 D100×85×3 Ring	2	
16	G001235-003503P5-00	O 形密封圈 35×3.5 O-ring	1	
17	R45M300-600004-W00	支撑环 100×95×14.3 Support ring	1	
18	R45M300-600005-000	活塞 Piston	1	
19	G009457-000030-02	螺母 M30×2 Nut M30×2	1	
20	G000091-005050-00	销 5×50 Pin 5×50	1	
21	G0893P1-000055-00	挡圈 55 Snap ring 55	4	
22	SF-1-3525-G00	复合衬套 3525 Combination bush	1	
23	G009163-3500000-03	轴承 GE35ES-2RS Bearing	1	
24	J45M430-600003-W00	隔套 Sheath	1	

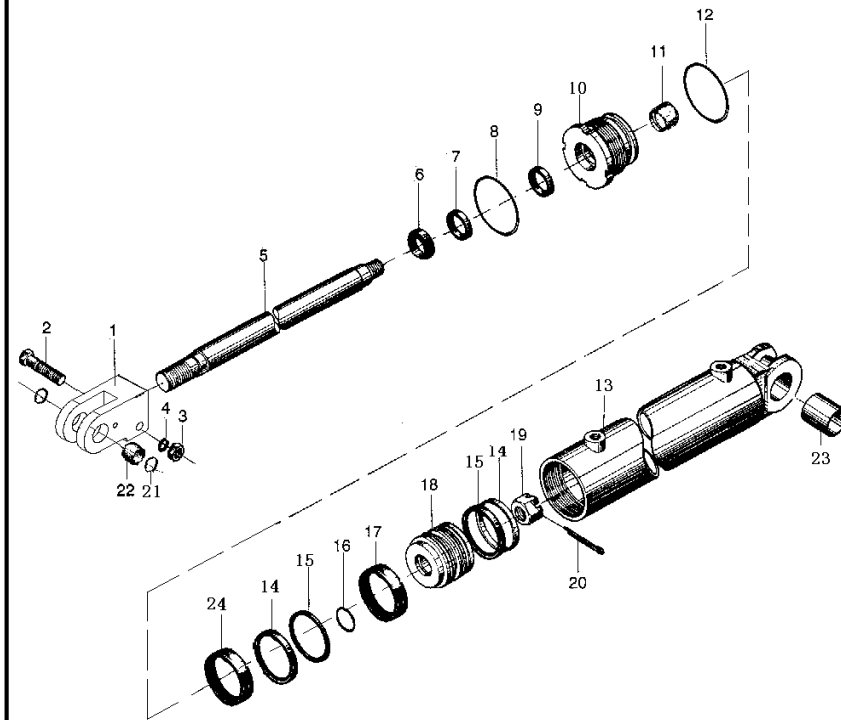
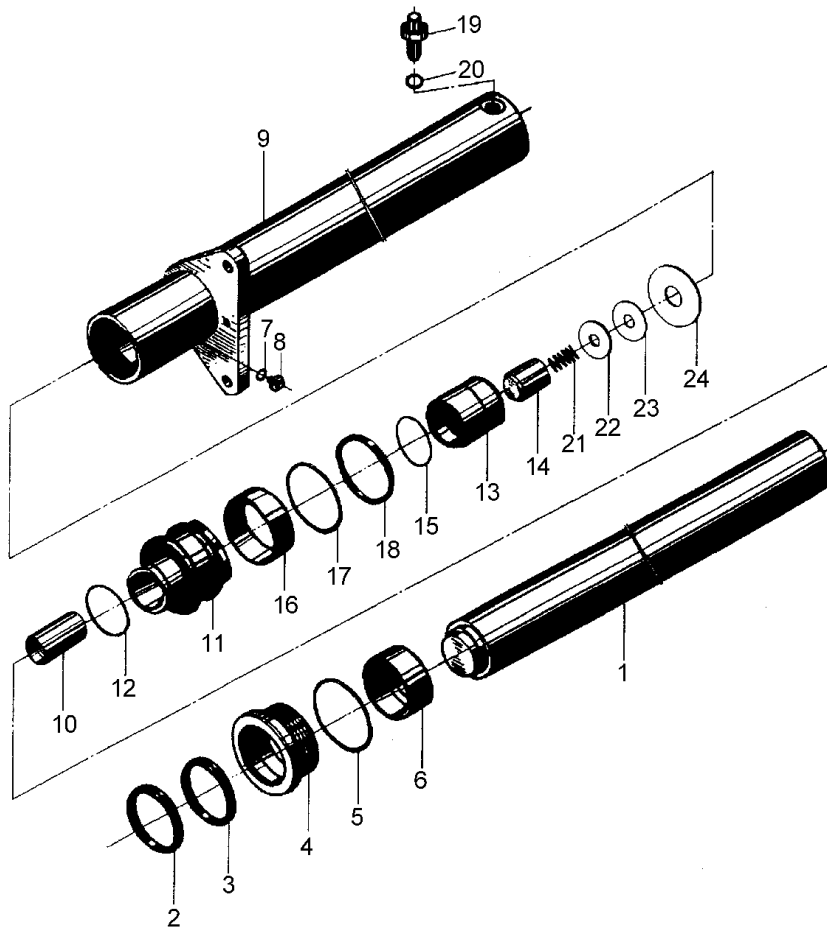


图 7-16 短升降油缸  
Fig.7-16 Lift cylinder,Short

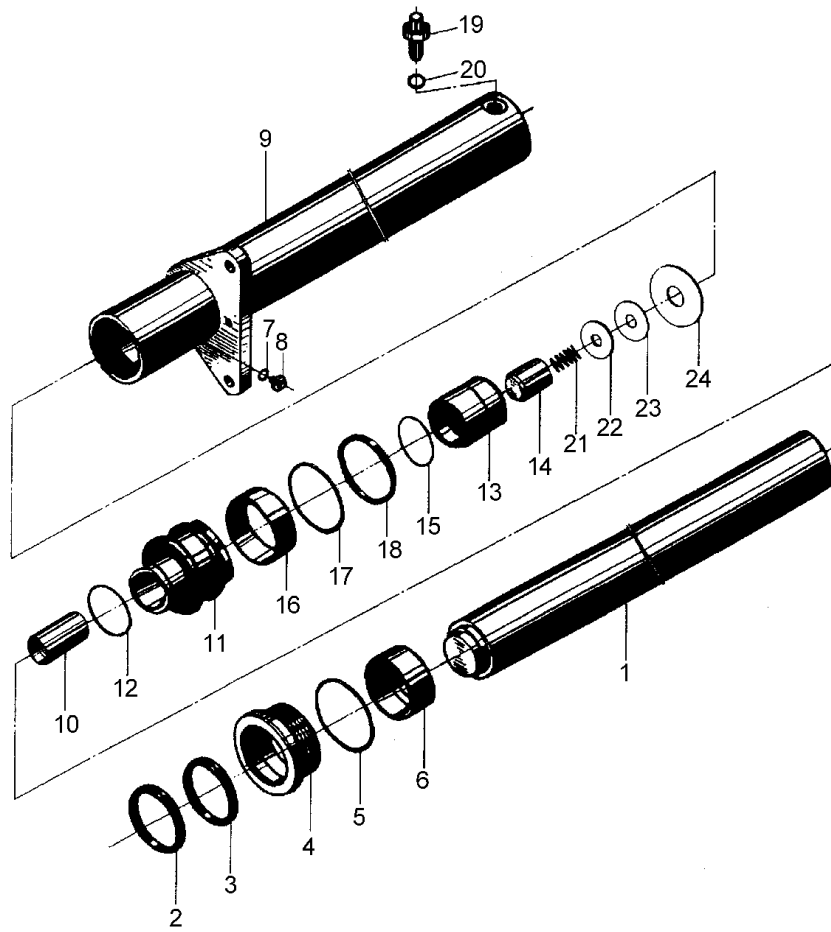
二级全自由门架 DUPLEX MAST



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
A	See OPT. Parts List 8	短升降油缸 Lift cylinder,short	1	
1	See OPT. Parts List 8	活塞杆 Piston rod	1	
2	CL0419C0-G00	LBH 防尘圈 d90 LBH-dustproof ring d90	1	
3	FU1204K0-G00	ISI 密封圈 d90 ISI-seal ring d90	1	
4	R45N450-400002-W00	导向套 Guide sleeve	1	
5	G001235-011503P1-00	O 形密封圈 115x3.1 O-ring 115x3.1	1	
6	SF-1-9050-G00	复合衬套 9050 Combination bush	1	
7	G001235-000801P9-00	O 形密封圈 8x1.9 O-ring 8x1.9	1	
8	R45N450-400003-W00	放气螺塞 Air bleeder plug	1	
9	See OPT. Parts List 8	缸体 Cylinder body	1	
10	R45N450-400004-W00	油管 Oil pipe	1	
11	R45N450-400005-W00	活塞 Piston	1	
12	R45N450-400006-W00	钢丝挡圈Φ4 Steel-wire snap ring	1	
13	R45N450-400007-W00	阀套 Valve bush	1	
14	R45N450-400008-W00	阀芯 Spool	1	

图 7-16 短升降油缸  
Fig.7-16 Lift cylinder,Short

二级全自由门架 DUPLEX



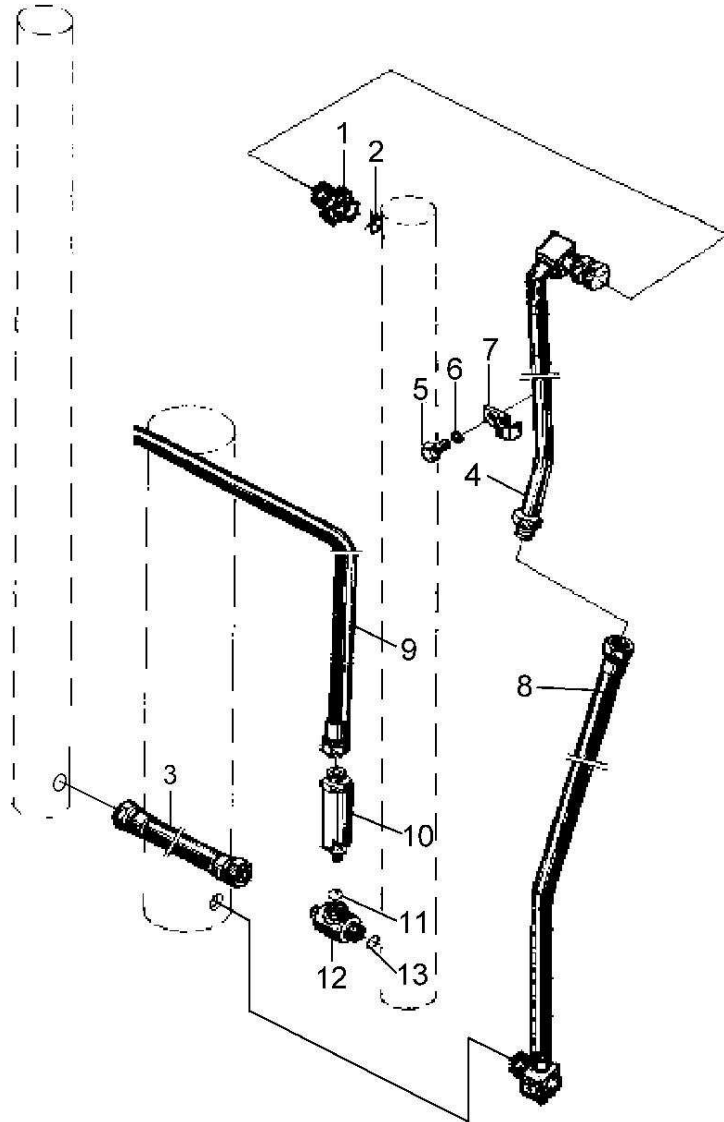
序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
15	G001235-002602P4-00	O 形密封圈 26x2.4 O-ring 26x2.4	1	
16	R45N450-400009-W00	支承环 110x105x20 Ring110x105x20	1	
17	R45N450-400010-W00	保护圈 110x95x3 Protection ring	1	
18	FU1152L0-G00	OSI 密封圈 D110 OSI-seal ring D110	1	
19	R45N450-403000-W00	油嘴组件 Nozzle valve assy	1	
20	GT34521-22P43P55-00	O 形密封圈 22.4x3.55 O-ring 22.4x3.5	1	
21	R45N450-400011-W00	弹簧 Spring	1	
22	R45N450-400012-W00	挡板 Guard	1	
23	G0893P1-000018-00	挡圈 18 Snap ring 18	1	
24	G0893P1-000028-00	孔用弹性挡圈 A 型 28 Circlip for hole A type 28	1	

选配 8 <Optional Parts List 8>

序号 Item	A	1	9
起升高度 Lift Height	物料码 Part No.	物料码 Part No.	物料码 Part No.
2500	R45U250-600000-001	R45U250-600001-W00	R45U250-603000-W00
2750	R45U275-600000-001	R45U275-600001-W00	R45U275-603000-W00
3000	R45U300-600000-001	R45U300-600001-W00	R45U300-603000-W00
3300	R45U330-600000-001	R45U330-600001-W00	R45U330-603000-W00
3500	R45U350-600000-001	R45U350-600001-W00	R45U350-603000-W00
3600	R45U360-600000-001	R45U360-600001-W00	R45U360-603000-W00
3700	R45U370-600000-001	R45U370-600001-W00	R45U370-603000-W00
4000	R45U400-600000-001	R45U400-600001-W00	R45U400-603000-W00

图 7-17 油路系统  
Fig.7-17 Oil pipe system

二级全自由门架 DUPLEX MAST



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
A1	See OPT. Parts List 9	油路系统 Oil pipe system	1	
1	50U2.5-800001	直通接头 Connector	1	
2	J000982-000022-00	垫圈 22 Washer 22	2	
3	R45U275-701000-000	胶管接头 Connector	1	
4	See OPT. Parts List 9	钢油管 Connector	1	
5	G005781-008016-00	螺栓 M8×16 Blot M8×16	1	
6	G000848-000008-00	垫圈 8 Washer	1	
7	2.5U3H-600004	管夹 Clip	1	
8	R45U275-703000-001	胶管接头 Connector	1	
9	J45M300-701000-001	胶管总成 Oil pipe assy	1	
10	R45M300-702000-000	限速阀 Speed limiting valve	1	
11	JISB2401-P24-G00	O 形密封圈 P24 O-ring	1	
12	R45M300-704000-000	三通接头 Connector	1	
13	JISB2401-P18-G00	O 形密封圈 P18 O-ring	1	

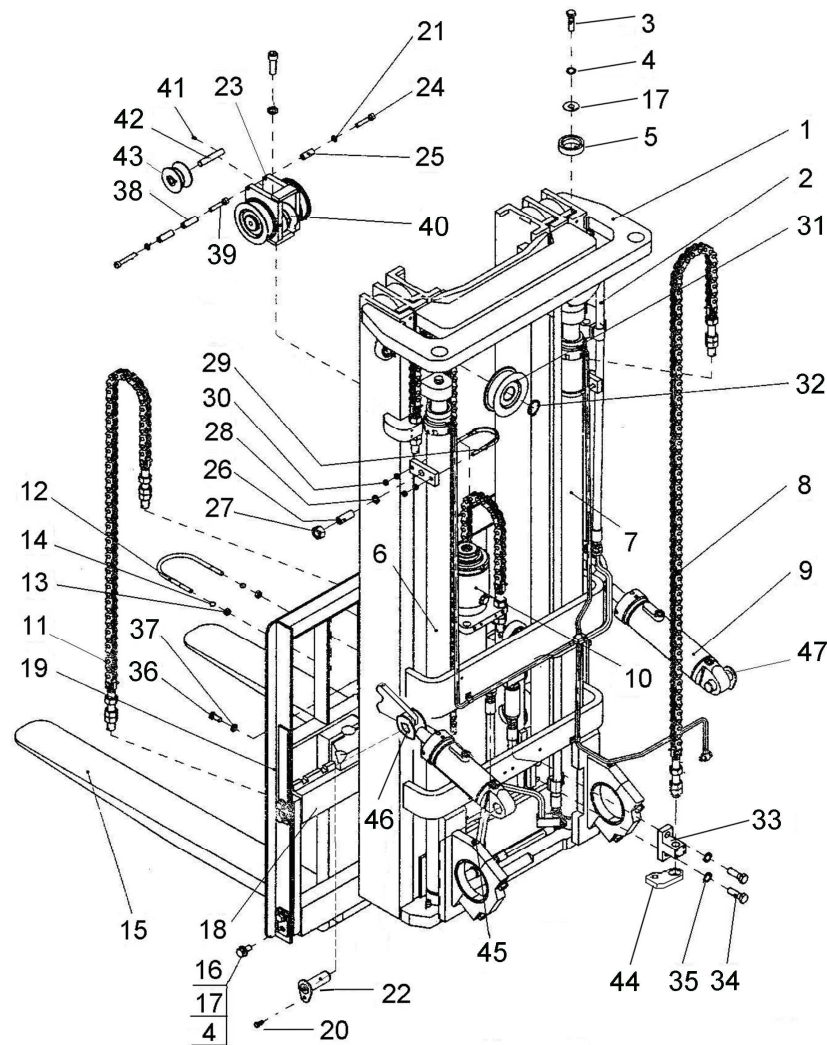
选配 9 <Optional Parts List 9>

序号 Item	A1	4
起升高度 Lift Height	物料码 Part No.	物料码 Part No.
2500	J45U250-700000-000	R45U250-702000-001
2750	J45U275-700000-001	R45U275-702000-001
3000	J45U300-700000-000	R45U300-702000-001
3300	J45U330-700000-000	R45U330-702000-001
3500	J45U350-700000-000	R45U350-702000-001
3600	J45U360-700000-000	R45U360-702000-001
3700	J45U370-700000-000	R45U370-702000-001
4000	J45U400-700000-000	R45U400-702000-001



图 7-18 起升组件  
Fig.7-18 Lifting part

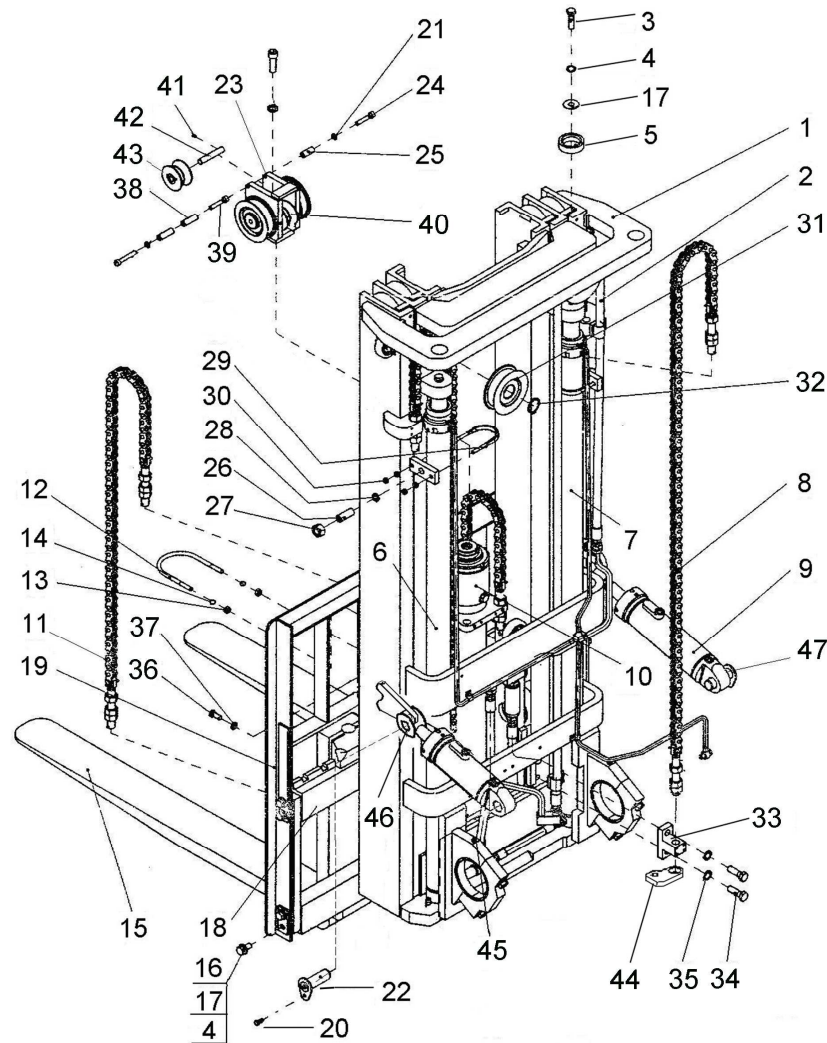
三级全自由门架 TRIPLEX MAST



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
1	见图 7-21 See Fig.7-21	门架 Mast	1	
2	见图 7-27 See Fig.7-27	油路系统 Oil pipe system	1	
3	G005785-016055-00	螺栓 M16×1.5×55 Bolt M16×1.5×55	2	
4	G000093-000016-00	垫圈 16 Washer16	10	
5	R45M300-000003-000	油缸调整垫圈 Ajust gasket	2	
6	见图 7-24 See Fig.7-24	左升降油缸 L.H. Lifting cylinder	1	
7	见图 7-24 See Fig.7-24	右升降油缸 R.H. Lifting cylinder	1	
8	见图 7-19 See Fig.7-19	后链条总成 After Chain assy	2	4-4.5t
8	见图 7-20 See Fig.7-20	后链条总成 After Chain assy	2	5t
9	见图 7-26 See Fig.7-26	倾斜油缸 Tilt cylinder	2	
10	见图 7-25 See Fig.7-25	短升降油缸 Lift cylinder,short	1	
11	见图 7-19 See Fig.7-19	前链条总成 Front Chain assy	2	4-4.5t
11	见图 7-20 See Fig.7-20	前链条总成 Front Chain assy	2	5t
12	4N4.5H-000001	短缸固定螺栓 Bolt	1	
13	G006170-000014-00	螺母 M14 Nut M14	2	

图 7-18 起升组件  
Fig.7-18 Lifting part

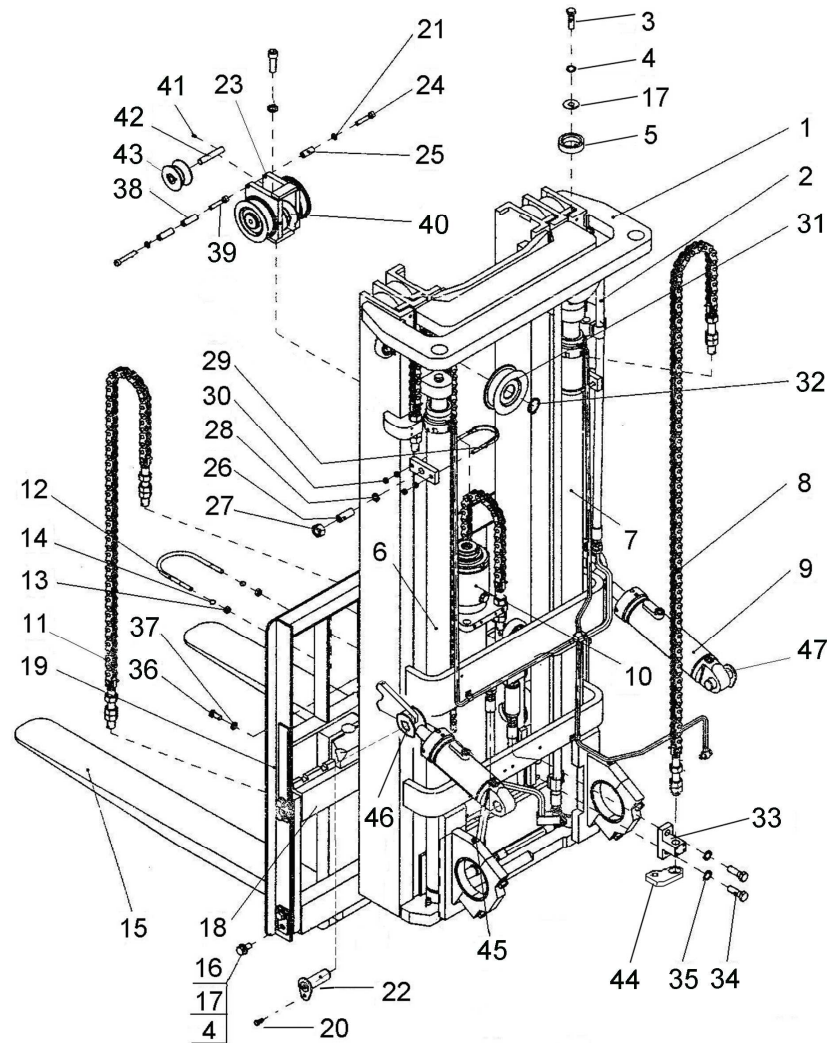
三级全自由门架 TRIPLEX MAST



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
14	G000093-000014-00	垫圈 14 Washer	2	
15	4M3H-010000	货叉总成 Fork assy	2	4.0-4.5 t 标配 Standard
15	J50M300-010000-000	货叉总成 Fork assy	2	5.0 t 标配 Standard
15	N35M300-01000-000	货叉总成 Fork assy	2	4.0t 选配 Option
15	J45M300-010000-000	货叉总成 Fork assy	2	4.5-5.0 t 选配 Option
16	G005783-016040-00	螺栓 M16×40 Bolt M16×40	8	
17	G097P1-000016-00	垫圈 16 Washer 16	10	
18	见图 7-22 See Fig.7-22	货叉架总成 Fork carriage assy	1	
18	见图 7-23 See Fig.7-23	侧移架总成 Side carriage assy	1	
19	R45M300-004000-000	挡货架 Load bracket	1	
20	N30M300-004000-000	螺栓 M10×1.25×20 Bolt M10×1.25×2	4	
21	G000093-000010-00	垫圈 10 Washer 10	6	
22	J45M300-001000-000	销轴 Pin shaft	4	
23	R45U275-010000-000	链条座总成 Chain seat	1	4-4.5t
23	RX50U275-010000-000	链条座总成 Chain seat	1	5t

图 7-18 起升组件  
Fig.7-18 Lifting part

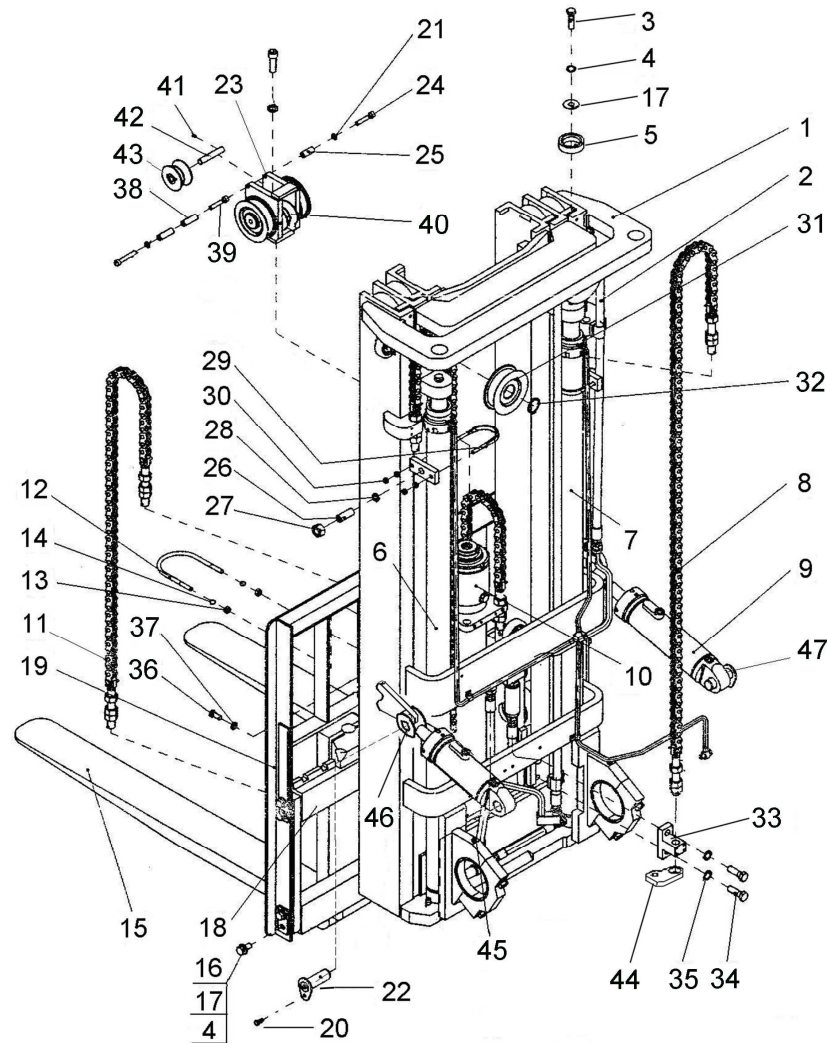
三级全自由门架 TRIPLEX MAST



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
24	G000070-010060-00	螺钉 M10×60 Screw M10×60	2	
25	2025N4.3-000004	套筒 Sleeve	2	
26	N30N450-000005-000	螺钉 M20×53 Screw M20×53	2	
27	G006170-000020-00	螺母 M20 Nut M20	2	
28	N30M300-000009-000	塞子 Plug	2	
29	R45N450-000001-000	油缸固定螺栓 Bolt	2	4--4.5t
29	4M3H-000001	油缸固定螺栓 Bolt	2	5t
30	G006170-000008-00	螺母 M8 Nut M8	4	
31	780408-G00	链轮 Chain wheel	2	4-4.5t
31	CW310-00-G00	链轮 Chain wheel	2	5t
32	G0894P1-000040-00	挡圈 40 Snap ring 40	2	
33	4N4.5F-000002	链条支座 Chain seat	2	
34	G005786-020065-00	螺栓 M20×1.5×65 Bolt M20×1.5×65	4	
35	G000093-000020-00	垫圈 20 Washer 20	4	
36	G005782-012025-00	螺钉 M12×25 Screw M12×25	1	

图 7-18 起升组件  
Fig.7-18 Lifting part

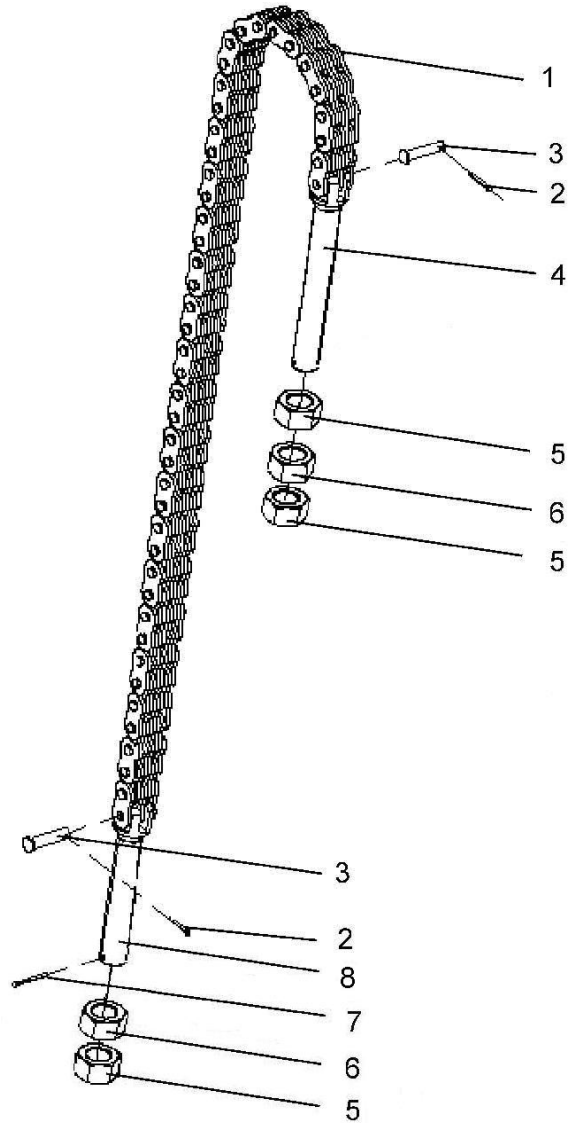
三级全自由门架 TRIPLEX MAST



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
37	G000093-000012-00	垫圈 12 Washer 12	1	
38	CSOW-00-03A	套筒 Sleeve	1	
39	CSOW-00-04A	螺钉 Screw	1	
40	CSOW-00-05A	隔套 Sleeve	4	4-4.5t
40	RX50U275-010001-000	隔套 Sleeve	4	5t
41	G000075-006012-00	螺钉 M6×12 Screw M6×12	2	
42	1QN5-200002B	销轴 Pin shaft	2	
43	CSOR-00-01	前滑轮 Wheel	2	
44	R45N450-000002-000	固定板 fixation plate	1	
45	G001152-010001-00	油杯 M10×1 Oil cup M10×1	6	
46	SF-1-3525-G00	复合衬套 3525 Combination bush	2	
47	G009163-3500000-03	轴承 GE35ES-2RS Bearing	2	

图 7-19 链条总成  
Fig.7-19 Chain assy

三级全自由门架 TRIPLEX MAST



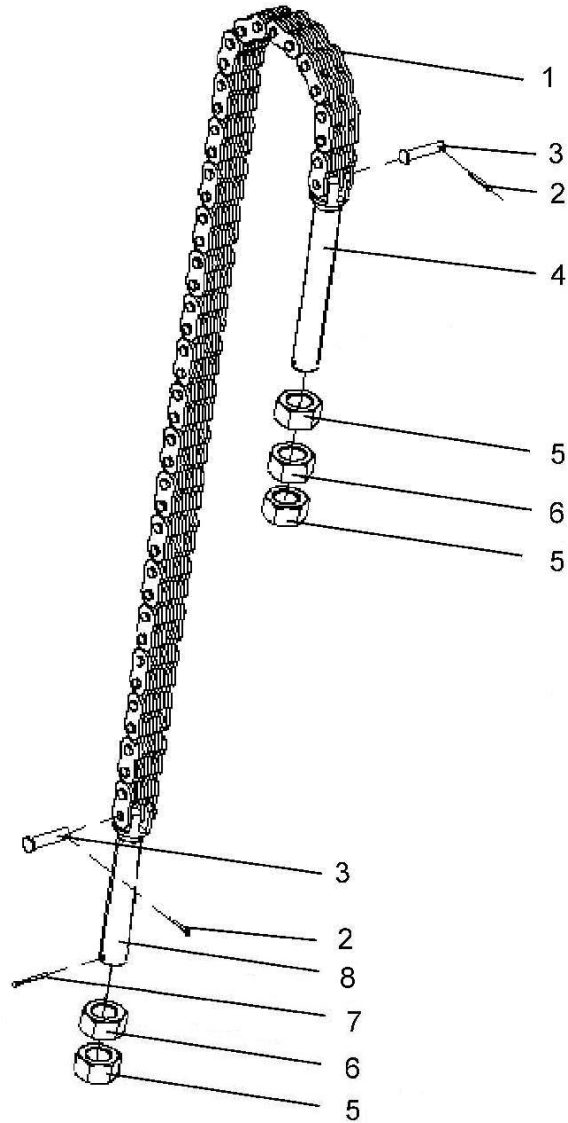
序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
A1	See OPT. Parts List 10	前链条总成 Front Chain assy	1	4-4.5t
A2	See OPT. Parts List 10	后链条总成 After Chain assy	1	4-4.5t
1	NO PART NO.	链条 LH2023×(n+1) Chain	1	
2	G000091-004020-00	销 4×20 Pin 4×20	2	
3	40M3.3-800002	销轴 Pin shaft	2	
4	R45M300-002001-000	链条接头 Connector	1	
5	50M3A-800001	螺母 Nut	3	
6	50M3A-800002	球螺母 Nut	2	
7	G000091-2P5028-00	销 2.5×28 Pin 2.5×28	1	
8	R45M300-002002-000	链条接头 Connector	1	

选配 10 <Optional Parts List 10>

序号 Item	A1	A2
起升高度 Lift Height	物料码 Part No.	物料码 Part No.
4000	LH-2023041-100	LH-2023059-100
4300	LH-2023041-100 (非内置 No built-in) LH-2023043-100 (内置 Built-in)	LH-2023063-100
4500	LH-2023043-100	LH-2023065-100
4700	LH-2023045-100	LH-2023067-100
4800	LH-2023045-100	LH-2023069-100
5000	LH-2023045-100 (非内置 No built-in) LH-2023047-100 (内置 Built-in)	LH-2023071-100
5500	LH-2023049-100	LH-2023075-100
6000	LH-2023051-100	LH-2023083-100
6500	LH-2023053-100 (非内置 No built-in) LH-2023055-100 (内置 Built-in)	LH-2023089-100
7000	LH-2023057-100	LH-2023093-100

图 7-20 链条总成  
Fig.7-20 Chain assy

三级全自由门架 TRIPLEX MAST



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
B1	See OPT. Parts List 11	前链条总成 Front Chain assy	1	5.0 t
B2	See OPT. Parts List 11	后链条总成 After Chain assy	1	5.0 t
1	NO PART NO.	链条 LH1644x(n+1) Chain	1	
2	G000091-003020-00	销 3x20 Pin 3x20		
3	H50M300-002002-000	销轴 Pin shaft	2	
4	RX50M300-003001-100	链条接头 Connector	1	
5	50M3A-800001	螺母 Nut	3	
6	50M3A-800002	球螺母 Nut	2	
7	G000091-2P5028-00	销 2.5x28 Pin 2.5x28	1	
8	RX50M300-003002-100	链条接头 Connector	1	

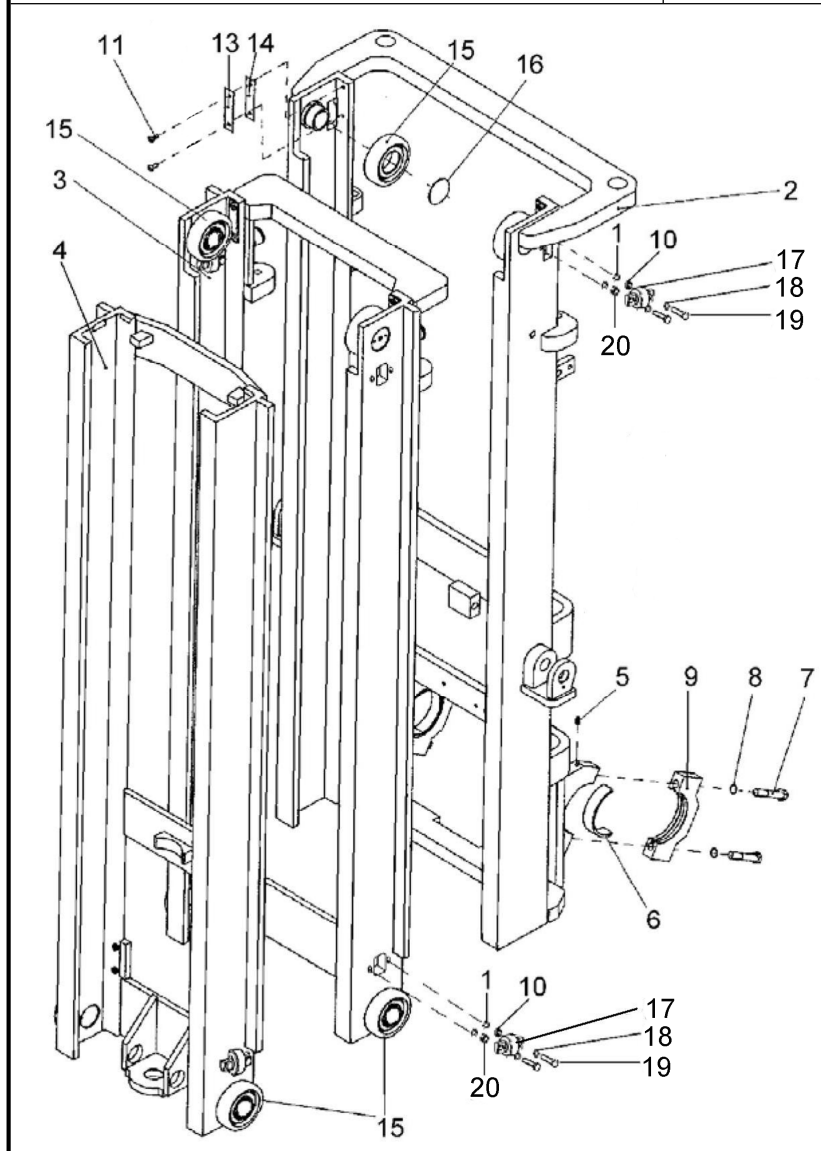
选配 11 <Optional Parts List 11>

序号 Item	B1	B2
起升高度 Lift Height	物料码 Part No.	物料码 Part No.
4000	LH-1644051-100	LH-1644075-100
4300	LH-1644053-100	LH-1644079-100
4500	LH-1644055-100	LH-1644081-100
4700	LH-1644055-100	LH-1644083-100
4800	LH-1644057-100	LH-1644085-100
5000	LH-1644057-100	LH-1644087-100
5500	LH-1644061-100	LH-1644095-100
6000	LH-1644065-100	LH-1644103-100
6500	LH-1644067-100	LH-1644111-100
7000	LH-1644071-100	LH-1644117-100



图 7-21 门架  
Fig.7-21 Mast

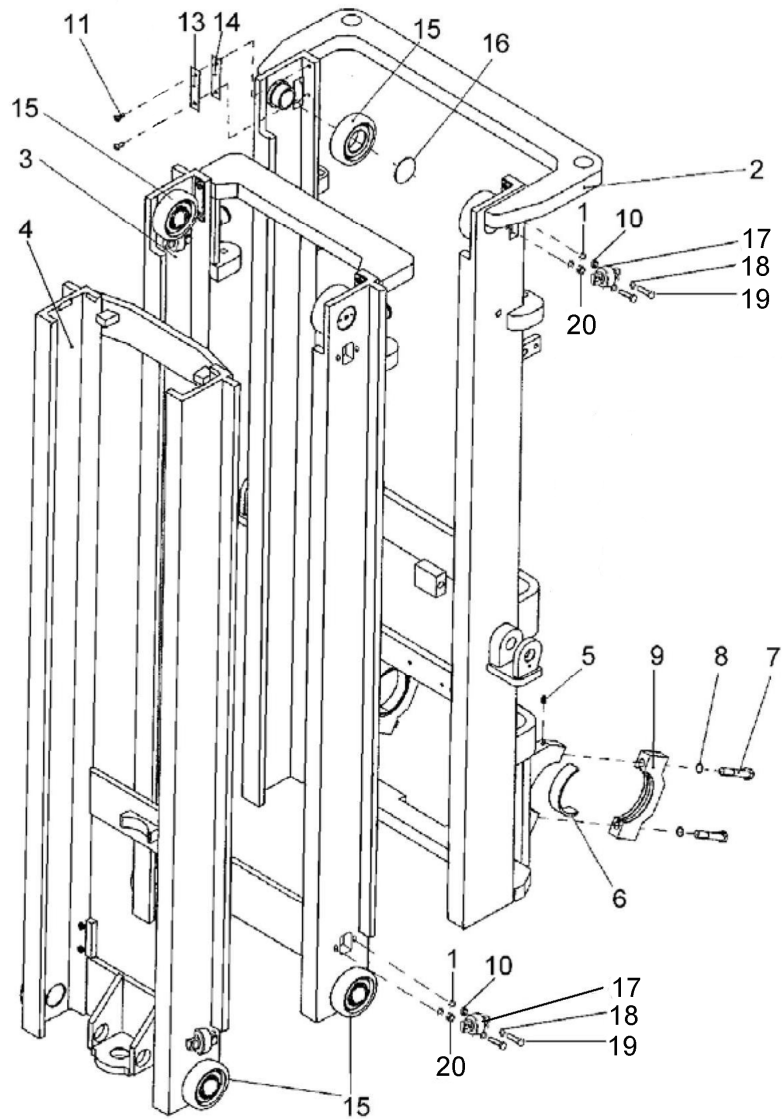
三级全自由门架 TRIPLEX MAST



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
A1	See OPT. Parts List 12	门架 Mast	1	4-4.5t
A2	See OPT. Parts List 12	门架 Mast	1	5t
1	4M3F-202001	衬圈 Bushing	12	
2	See OPT. Parts List 12	外门架 Outer mast	1	4-4.5t
2	See OPT. Parts List 12	外门架 Outer mast	1	5 t
3	See OPT. Parts List 12	中门架 Middle mast	1	4-4.5t
3	See OPT. Parts List 12	中门架 Middle mast	1	5 t
4	See OPT. Parts List 12	内门架 Inner mast	1	4-4.5t
4	See OPT. Parts List 12	内门架 Inner mast	1	5 t
5	G001152-010001-00	油杯 M10×1 Oil cup M10×1	2	
6	R45M300-000002-000	轴瓦 Bearing liner	2	
7	G005785-020110-01	螺栓 M20×1.5×110 Bolt M20×1.5×110	4	
8	G000093-000020-00	垫圈 20 Washer 20	4	
9	R45M300-000001-000	轴承盖 Bearing cap	2	
10	40M3.3-201003	调整垫 Adjusting shim	12	

图 7-21 门架  
Fig.7-21 Mast

三级全自由门架 TRIPLEX MAST



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
11	G0068-008016-00	螺栓 M8×16 Bolt M8×16	8	
13	R45M300-000007-000	调整垫片 Adjusting shim	4	
14	R45M300-000006-000	导轨衬垫 Rubber cover	4	
15	10310D-G00	起升滚轮 Roller	8	
16	G0894P1-000050-00	轴用弹性挡圈 A 型 50 Circlip for shaft A style 50	8	
A2	4M3F-202000	侧滚轮组( I ) Side rollers( I )	8	包含 INC:1,10,17-20
17	C58×80-G00	侧滚轮 Side roller	8	
18	G000093-000012-00	垫圈 12 Washer 12	16	
19	G005782-012050-00	螺栓 M12×50 Bolt M12×50	16	
20	40M3.3-201002	调整垫 Adjusting shim	16	

选配 12 <Optional Parts List 12>

序号 Item	A1 4.0-4.5 t Mast	A2 5.0t Mast	2 4.0-4.5 t Outer mast	2 5.0t Outer mast
起升高度 Lift Height	物料码 Part No.	物料码 Part No.	物料码 Part No.	物料码 Part No.
4000	J45N400-100000-000	J50N400-100000-000	J45N400-101000-000	J50N400-101000-000
4300	J45N430-100000-000	J50N430-100000-000	J45N430-101000-000	J50N430-101000-000
4500	J45N450-100000-000	J50N450-100000-000	J45N450-101000-000	J50N450-101000-000
4700	J45N470-100000-000	J50N470-100000-000	J45N470-101000-000	J50N470-101000-000
4800	J45N480-100000-000	J50N480-100000-000	J45N480-101000-000	J50N480-101000-000
5000	J45N500-100000-000	J50N500-100000-000	J45N500-101000-000	J50N500-101000-000
5500	J45N550-100000-000	J50N550-100000-000	J45N550-101000-000	J50N550-101000-000
6000	J45N600-100000-000	J50N600-100000-000	J45N600-101000-000	J50N600-101000-000
6500	J45N650-100000-000	J50N650-100000-000	J45N650-101000-000	J50N650-101000-000
7000	J45N700-100000-000	J50N700-100000-000	J45N700-101000-000	J50N700-101000-000

选配 12 <Optional Parts List 12>

序号 Item	3 4.0-4.5t Middle mast	3 5.0 t Middle mast	4 4.0-4.5t Inner mast	4 5.0t Inner mast
起升高度 Lift Height	物料码 Part No.	物料码 Part No.	物料码 Part No.	物料码 Part No.
4000	R45N400-102000-000	RX50N400-102000-100	4N4F-103000	RX50N400-103000-100
4300	R45N430-102000-000	RX50N430-102000-100	4N4.3F-103000	RX50N430-103000-100
4500	R45N450-102000-000	RX50N450-102000-100	4N4.5F-103000	RX50N450-103000-100
4700	R45N470-102000-000	RX50N470-102000-100	4N4.7F-103000	RX50N470-103000-100
4800	R45N480-102000-000	RX50N480-102000-100	4N4.8F-103000	RX50N480-103000-100
5000	R45N500-102000-000	RX50N500-102000-100	4N5F-103000	RX50N500-103000-100
5500	R45N550-102000-000	RX50N550-102000-100	4N5.5F-103000	RX50N550-103000-100
6000	R45N600-102000-000	RX50N600-102000-100	4N6F-103000	RX50N600-103000-100
6500	R45N650-102000-000	RX50N650-102000-100	4N6.5F-103000	RX50N650-103000-100
7000	R45N700-102000-000	RX50N700-102000-100	4N7F-103000	RX50N700-103000-100

图 7-22 货叉架总成  
Fig.7-22 Fork carriage assy

三级全自由门架 TRIPLEX MAST

序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
A1	J45N450-300000-000	货叉架总成 Fork carriage assy	1	
1	J45N450-301000-000	货叉架体 Fork carriage	1	
2	10310D-G00	起升滚轮 Roller	6	
3	G0894P1-000050-00	挡圈 50 Snap ring 50	6	
A	R45N450-302000-000	侧滚轮组 Side roller group	4	包含 INC:4-9
4	G005782-012065-00	螺栓 M12×65 Bolt M12×65	8	
5	G000093-000012-00	垫圈 12 Washer 12	8	
6	40M3.3-201001	衬圈 Bushing	8	
7	40M3.3-201002	调整垫 Ajusting shim	8	
8	40M3.3-201003	调整垫 Ajusting shim	8	
9	C58×80-G00	侧滚轮 Side roller	4	

图 7-23 侧移架总成  
Fig.7-23 Sidle carriage assy

三级全自由门架 TRIPLEX MAST

序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
A	J45V450-300000-001	侧移架总成 Side carriage assy	1	
1	J45V450-301000-001	叉架体 Fork carriage	1	
2	见图 7-28 See Fig.7-28	侧移油缸 Side cylinder	1	
A	R45N450-302000-000	侧滚轮组 Side roller group	4	包含 INC:3;20-24
3	C58x80-G00	侧滚轮 Side roller	4	
4	10310D-G00	起升滚轮 Roller	6	
5	G0894P1-000050-00	挡圈 50 snap ring 50	6	
6	R45V450-302000-001	侧移货叉架 Side shifting carriage	1	
7	G001152-006000-00	油杯 M6 Oil cup M6	6	
8	S16V450-300001-000	塞铁 Plug	5	
9	1.4QS1-000006	挡块 Block	2	
10	R45V450-300005-000	轴 Shaft	2	
11	G0894P1-000022-00	挡圈 22 snap ring 22	2	
12	R45V450-300003-000	垫圈 22 Washer 22	2	
13	R45V450-300006-000	挂钩板 Suspension hook board	2	

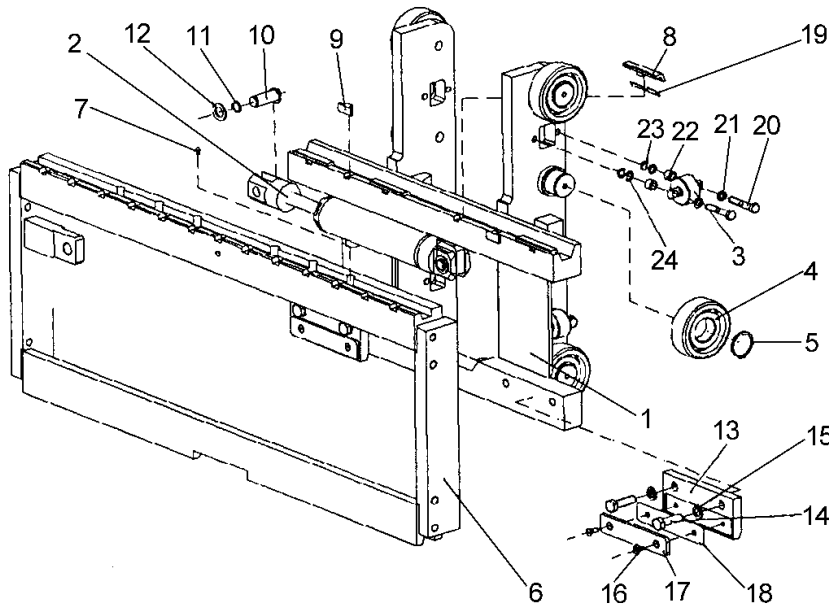


图 7-23 侧移架总成  
Fig.7-23 Sidle carriage assy

三级全自由门架 TRIPLEX MAST

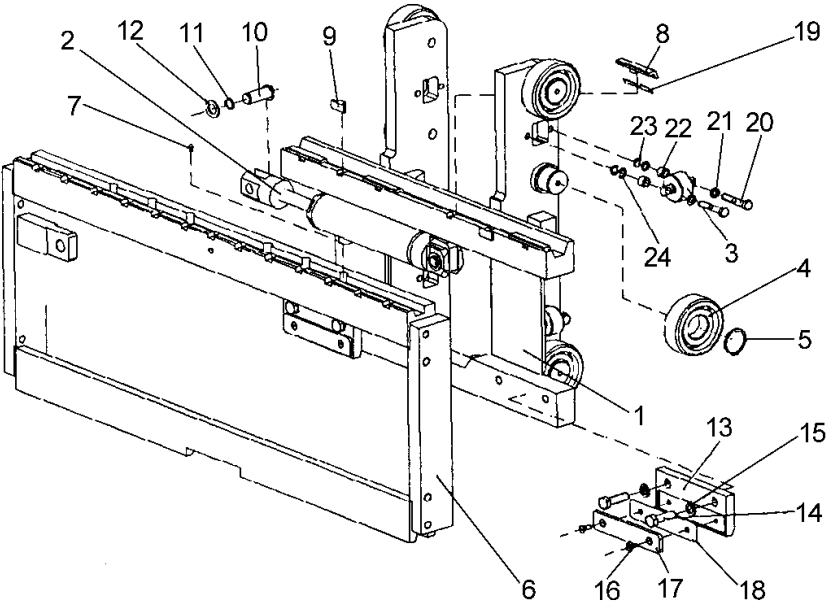
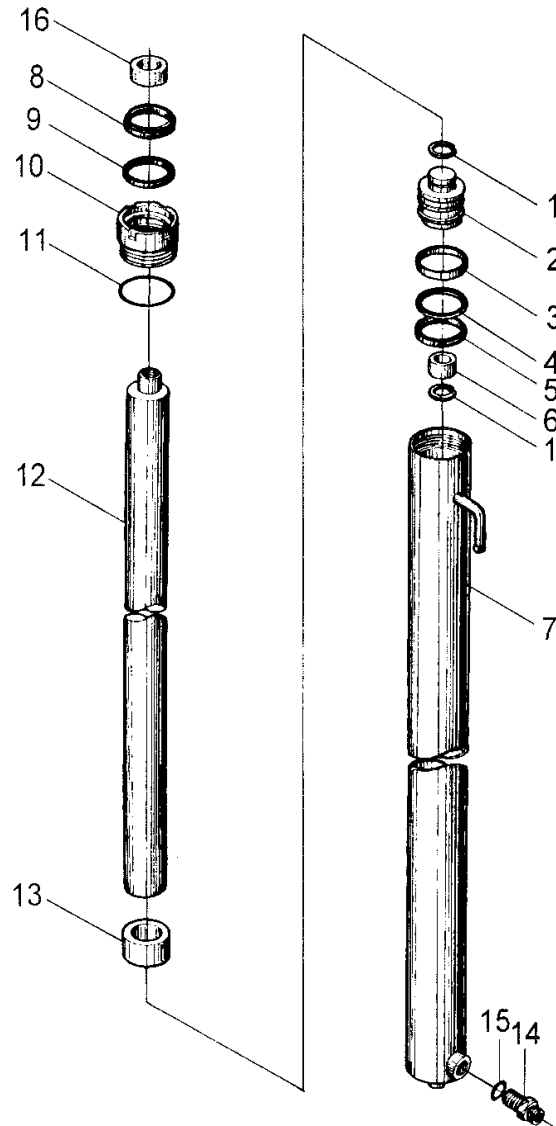
序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
	14	螺栓 M16×1.5×50 Bolt M16×1.5×50	4	
	15	垫圈 16 Washer 16	4	
	16	螺钉 M8×16 Bolt M8×16	4	
	17	下滑块 Under slide block	2	
	18	调整垫 Ajusting shim	2	
	19	调整垫 Ajusting shim	4	
	20	螺栓 M12×50 Bolt M12×50	8	
	21	垫圈 12 Washer	8	
	22	衬圈 Bushing	8	
	23	调整垫 Adjusting shim	8	
	24	调整垫 Adjusting shim	8	

图 7-24 左/右升降油缸  
Fig.7-24 L.H./R.H. Lifting cylinder

三级全自由门架 TRIPLEX MAST

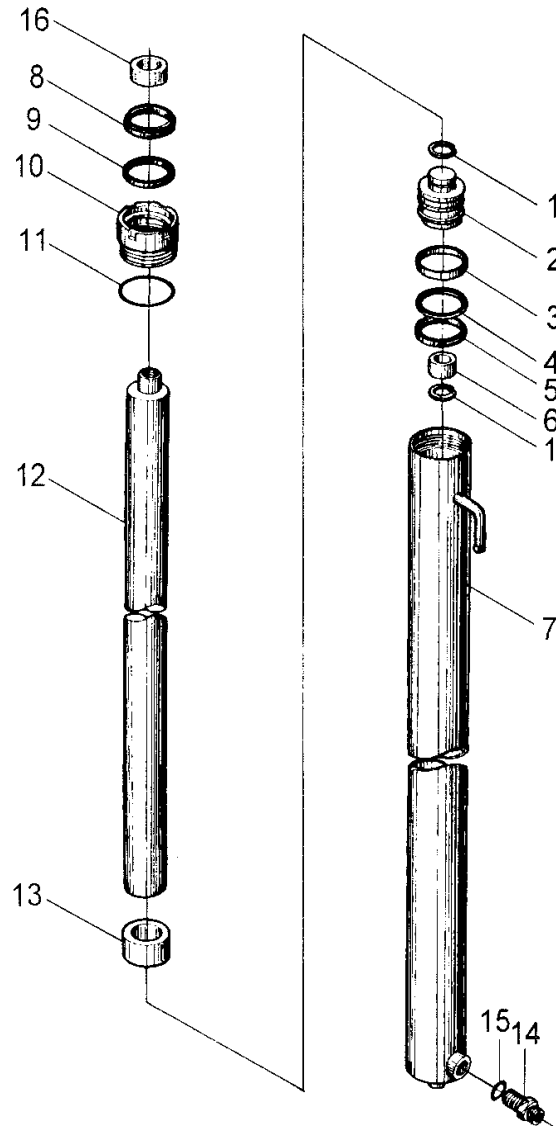


序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
A1	See OPT. Parts List 13	右升降油缸 R.H. Lifting cylinder	1	4-4.5t
A1	See OPT. Parts List 13	右升降油缸 R.H. Lifting cylinder	1	5t
A2	See OPT. Parts List 13	左升降油缸 L.H. Lifting cylinder	1	4-4.5t
A2	See OPT. Parts List 13	左升降油缸 L.H. Lifting cylinder	1	5t
1	G0895P1-000030-00	挡圈 30 Snap shim 30	2	
2	R45M300-500003-W00	活塞 Piston	1	4-4.5t
2	RX50M300-500003-W00	活塞 Piston	1	5t
3	R45M300-500004-W00	支承圈 65×60×25 Support ring	1	4-4.5t
3	RX50M300-500004-W00	支承圈 70×65×25 Support ring	1	5t
4	R45M300-500005-W00	保护圈 65×55×3 Ring 65×55×3	1	4-4.5t
4	RX50M300-500005-W00	保护圈 70×60×3 Ring 70×60×3	1	5t
5	FU0807L0-02-G00	OSI 密封圈 D65 OSI-seal ring D65	1	4-4.5t
5	FU0846L0-G00	OSI 密封圈 D70 OSI-seal ring D70	1	5t
6	SF-1-5050-G00	复合衬套 5050 Bushing	1	
7	See OPT. Parts List 13	右缸体 R.H.Cylinder body	1	4-4.5t



图 7-24 左/右升降油缸  
Fig.7-24 L.H./R.H. Lifting cylinder

三级全自由门架 TRIPLEX



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
7	See OPT. Parts List 13	右缸体 R.H.Cylinder body	1	5.0t
7	See OPT. Parts List 13	左缸体 L.H.Cylinder body	1	4.0-4.5t
7	See OPT. Parts List 13	左缸体 L.H.Cylinder body	1	5.0t
8	FD2831A0-G00	DKI 防尘圈 d50 DKI-dustproof ring	1	
9	FU0619K0-G00	ISI 密封圈 d50 ISI-seal ring d50	1	
10	R45M300-500002-W00	导向套 Guide sleeve	1	4-4.5t
10	RX50M300-500002-W00	导向套 Guide sleeve	1	5t
11	G001235-007003P1-00	O 形密封圈 70×3.1 O-ring 70×3.1	1	4-4.5t
11	GB1235-76	O 形密封圈 75×3.1 O-ring 75×3.1	1	5t
12	See OPT. Parts List 13	活塞杆 Piston rod	1	
13	N35M300-400006-W00	衬套 Bushing	1	
14	R45M300-402000-W00	油嘴组件 Nozzle valve assy	1	4.0-4.5t 左升降油缸 L.H. Lifting cylinder
14	RX50M300-502000-W00	油嘴组件 Nozzle valve assy	1	5.0t 左升降油缸 L.H. Lifting cylinder
15	JISB2401-P18-G00	O 形密封圈 P18 O-ring	1	
16	No part No	隔套 Sheath	1	

选配 13 <Optional Parts List 13>

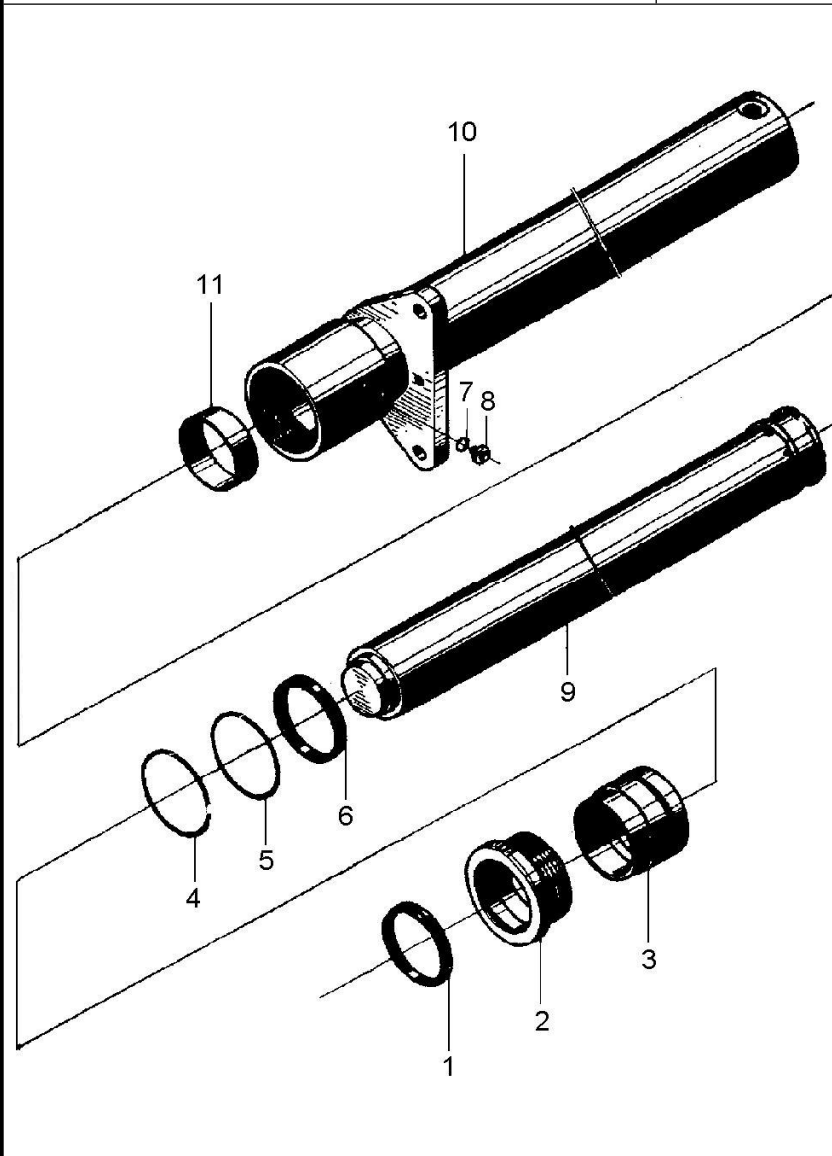
序号 Item	A1 4.0-4.5t R.H	A2 4.0-4.5t L.H.	7 4.0-4.5t R.H.	7 4.0-4.5t L.H.	12
起升高度 Lift Height	物料码 Part No.	物料码 Part No.	物料码 Part No.	物料码 Part No.	物料码 Part No.
4000	R45N400-400000-000	R45N400-500000-000	R45N400-401000-W00	R45N400-501000-W00	R45N400-500001-W00
4300	R45N430-400000-000	R45N430-500000-000	R45N430-401000-W00	R45N430-501000-W00	R45N430-500001-W00
4500	R45N450-400000-000	R45N450-500000-000	R45N450-401000-W00	R45N450-501000-W00	R45N450-500001-W00
4700	R45N470-400000-000	R45N470-500000-000	R45N470-401000-W00	R45N470-501000-W00	R45N470-500001-W00
4800	R45N480-400000-000	R45N480-500000-000	R45N480-401000-W00	R45N480-501000-W00	R45N480-500001-W00
5000	R45N500-400000-000	R45N500-500000-000	R45N500-401000-W00	R45N500-501000-W00	R45N500-500001-W00
5500	R45N550-400000-000	R45N550-500000-000	R45N550-401000-W00	R45N550-501000-W00	R45N550-500001-W00
6000	R45N600-400000-000	R45N600-500000-000	R45N600-401000-W00	R45N600-501000-W00	R45N600-500001-W00
6500	R45N650-400000-000	R45N650-500000-000	R45N650-401000-W00	R45N650-501000-W00	R45N650-500001-W00
7000	R45N700-400000-000	R45N700-500000-000	R45N700-401000-W00	R45N700-501000-W00	R45N700-500001-W00

选配 13 <Optional Parts List 13>

序号 Item	A1 5.0t R.H.	A2 5.0t L.H.	7 5.0t R.H.	7 5.0t L.H.
起升高度 Lift Height	物料码 Part No.	物料码 Part No.	物料码 Part No.	物料码 Part No.
4000	RX50N400-400000-100	RX50N400-500000-100	RX50N400-401000-W00	RX50N400-501000-W00
4300	RX50N430-400000-100	RX50N430-500000-100	RX50N430-401000-W00	RX50N430-501000-W00
4500	RX50N450-400000-100	RX50N450-500000-100	RX50N450-401000-W00	RX50N450-501000-W00
4700	RX50N470-400000-100	RX50N470-500000-100	RX50N470-401000-W00	RX50N450-501000-W00
4800	RX50N480-400000-100	RX50N480-500000-100	RX50N480-401000-W00	RX50N480-501000-W00
5000	RX50N500-400000-100	RX50N500-500000-100	RX50N500-401000-W00	RX50N500-501000-W00
5500	RX50N550-400000-100	RX50N550-500000-100	RX50N550-401000-W00	RX50N550-501000-W00
6000	RX50N600-400000-100	RX50N600-500000-100	RX50N600-401000-W00	RX50N600-501000-W00
6500	RX50N650-400000-100	RX50N650-500000-100	RX50N650-401000-W00	RX50N650-501000-W00
7000	RX50N700-400000-100	RX50N700-500000-100	RX50N700-401000-W00	RX50N700-501000-W00

图 7-25 短升降油缸  
Fig.7-25 Lift cylinder,Short

三级全自由门架 TRIPLEX MAST



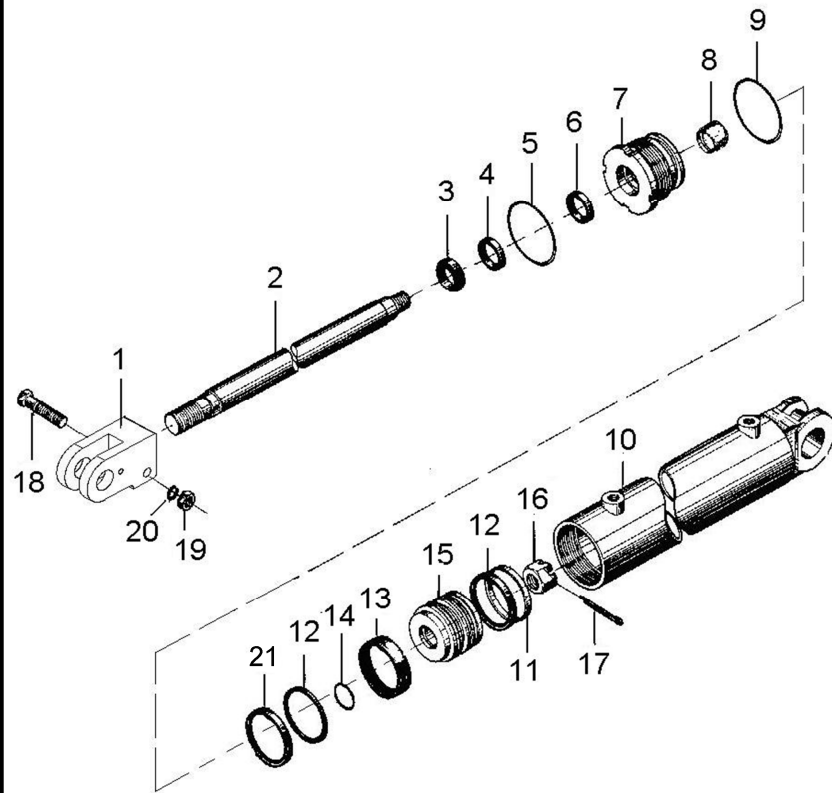
序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
A1	See OPT. Parts List 14	短升降油缸 Lift cylinder,short	1	
1	CL0448C0-G00	LBH 防尘圈 d110 Dust ring d110	1	
2	40N4.5-700001B	缸盖 Cylinder cover	1	
3	40N4.5-700002A	导套 Sleeve	1	
4	G001235-013503P1-00	O 形密封圈 135x3.1 O-ring 135x3.1	1	
5	G001235-011503P1-00	O 形密封圈 115x3.1 O-ring 115x3.1	1	
6	FU1157K0-G00	ISI 密封圈 d110 ISI-seal ring d110	1	
7	G001235-001602P4-00	O 形密封圈 16x2.4 O-ring 16x2.4	1	
8	2.5CDJ32-00-07-G00	放气螺塞 Air bleeder plug	1	
9	See OPT. Parts List 14	活塞杆 Piston rod	1	
10	See OPT. Parts List 14	缸筒 Cylinder body	1	
11	40N4.5-700003	支承环 Ring	1	

选配 14 <Optional Parts List 14>

序号 Item	A	9	10
起升高度 Lift Height	物料码 Part No	物料码 Part No.	物料码 Part No.
4000	R45N400-700000-000	40N4H-701000	R45N400-702000-000
4300	R45N400-700000-000	40N4.3H-701000	R45N430-702000-000
4500	R45N450-700000-000	40N4.5H-701000	R45N450-702000-000
4700	R45N470-700000-000	40N4.7H-701000	R45N470-702000-000
4800	R45N480-700000-000	40N4.8H-701000	R45N480-702000-000
5000	R45N500-700000-000	40N5H-701000	R45N500-702000-000
5500	R45N550-700000-000	40N5.5H-701000	R45N550-702000-000
6000	R45N600-700000-000	40N6H-701000	R45N600-702000-000
6500	R45N650-700000-000	40N6.5H-701000	R45N650-702000-000
7000	R45N700-700000-000	40N7H-701000	R45N700-702000-000

图 7-26 倾斜油缸  
Fig.7-26 Tilt cylinder

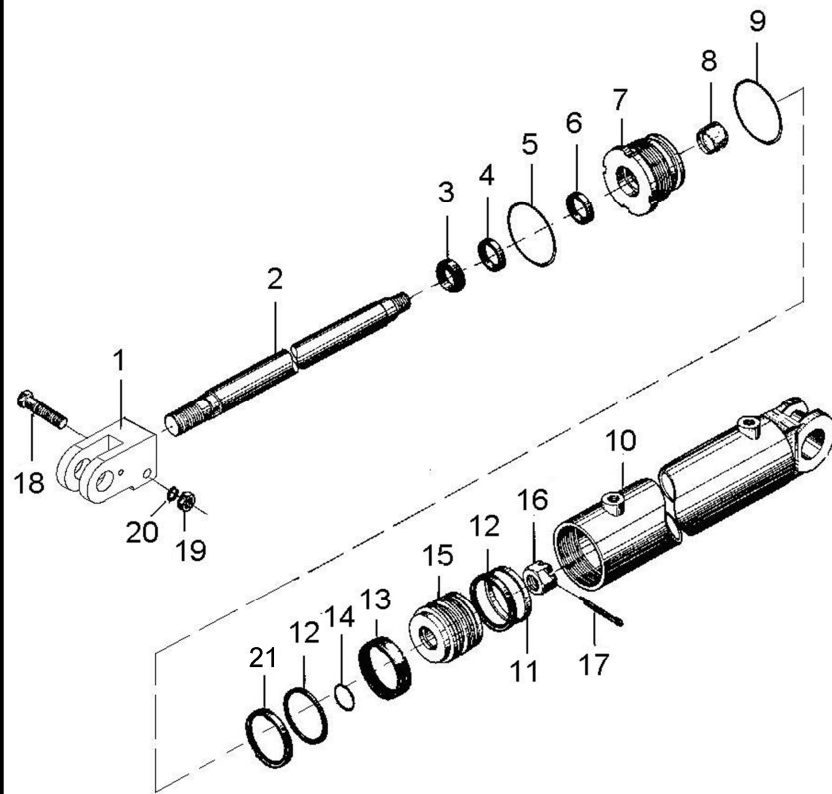
三级全自由门架 TRIPLEX MAST



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
A1	J45M300-600000-000	倾斜油缸 Tilt cylinder	1	4.0m
A2	J45M430-600000-000	倾斜油缸 Tilt cylinder	1	4.3m-5.5m
A3	J45N550-600000-000	倾斜油缸 Tilt cylinder	1	6.0m-7.0m
1	J45M300-600001-W00	耳环 Ear ring	1	
2	J45M300-600002-W00	活塞杆 Piston rod	1	4.0m 倾斜油缸 Tilt cylinder
2	J45M430-600002-W00	活塞杆 Piston rod	1	4.3m-7.0m 倾斜油缸 Tilt cylinder
3	CL0077C2-G00	LBH 防尘圈 d40 Dust ring d40	1	
4	RU3100400-Z20-G00	U 形密封圈 d40 U-seal ring d40	1	
5	G001235-010503P1-00	O 形密封圈 105×3.1 O-ring 105×3.1	1	
6	RS1300400-T46-G00	斯特封 d40 Seal-ring d40	1	
7	R45M300-600002-W00	导向套 Guide sleeve	1	
8	SF-1-4030-G00	复合衬套 4030 Combination bush	1	
9	G001235-010003P1-00	O 形密封圈 100×3.1 O-ring 100×3.1	1	
10	J45M300-601000-W00	缸体 Cylinder body	1	
11	FU1078L0-G00	OSI 密封圈 D100 OSI-seal ring D100	2	

图 7-26 倾斜油缸  
Fig.7-26 Tilt cylinder

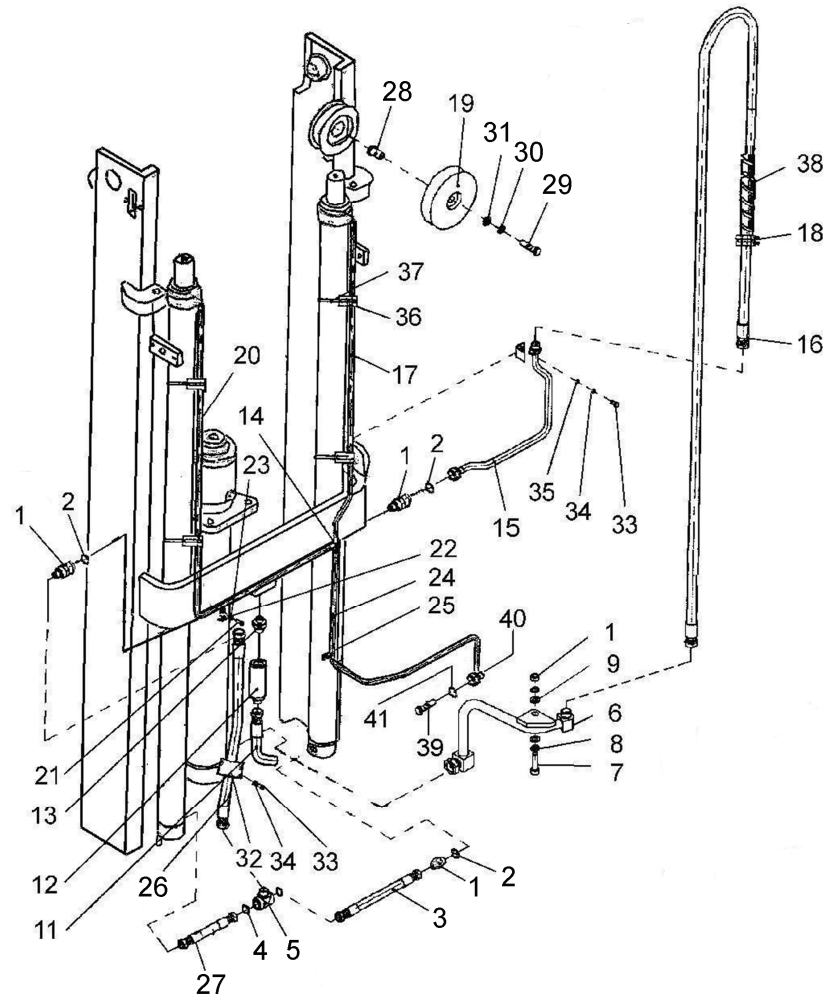
三级全自由门架 TRIPLEX MAST



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
12	R45M300-600003-W00	保护圈 D100×85×3 RingD100×85×3	2	
13	R45M300-600004-W00	支承环 100×95×14.3 Support ring100×95×14.3	1	
14	G001235-003503P5-00	O 形密封圈 35×3.5 O-ring 35×3.5	1	
15	R45M300-600005-W00	活塞 Piston	1	
16	G009457-000030-02	螺母 M30×2 Nut M30×2	1	
17	G000091-005050-00	销 5×50 Pin 5×50	1	
18	G005785-016085-00	螺栓 M16×1.5×85 Bolt M16×1.5×85	1	
19	G006171-000016-02	螺母 M16×1.5 Nut M16×1.5	1	
20	G000093-000016-00	垫圈 16 Washer 16	1	
21	J45M430-600003-W00	隔套 Sheath	1	4.3m-5.0m 倾斜油缸 Tilt cylinder
21	J45N550-600003-W00	隔套 Sheath	1	6.0m-7.0m 倾斜油缸 Tilt cylinder

图 7-27 油路系统  
Fig.7-27 Oil pipe system

三级全自由门架 TRIPLEX MAST

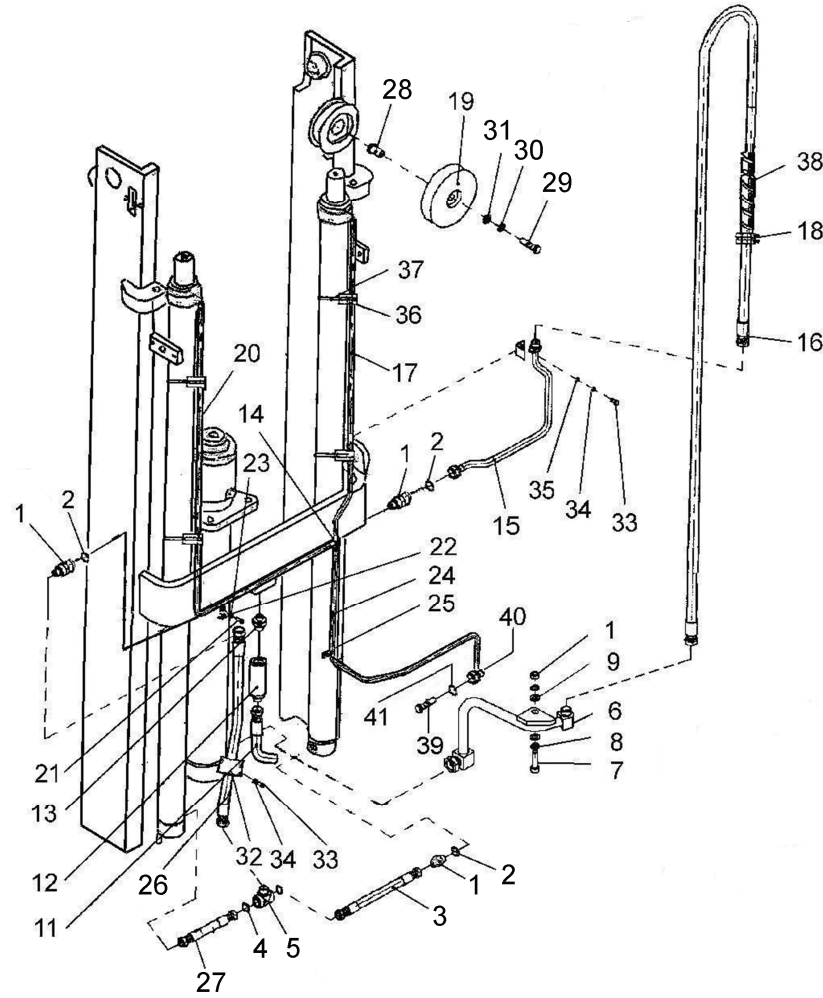


序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
A1	J45N450-200000-001	油路系统 Oil pipe system	1	4.0-4.5 t
A2	J50N450-200000-000	油路系统 Oil pipe system	1	5t
1	N30N450-200003-000	直通接头 Connector	3	
2	J000982-000022-00	垫圈 22 Washer 22	3	
3	R45N450-203000-000	连接硬管 Connector	1	
4	J000982-000027-00	垫圈 27 Washer 27	4	
5	50U2.5-800002	直通接头 Connector	1	
6	R45N450-201000-001	硬管接头 Connector	1	
7	G000070-000040-00	螺钉 M10×40 Bolt M10×40	1	
8	G000093-000010-00	垫圈 10 Washer 10	2	
9	G0097P1-000010-00	垫圈 10 Washer 10	2	
10	G006170-000010-00	螺母 M10 Nut M10	1	
11	J45N450-200007-000	胶管接头 Connector	1	
12	R45N450-204000-000	限速阀 Speed limiting valve	1	
13	4N4.5H-200014	直通接头 Connector	1	



图 7-27 油路系统  
Fig.7-27 Oil pipe system

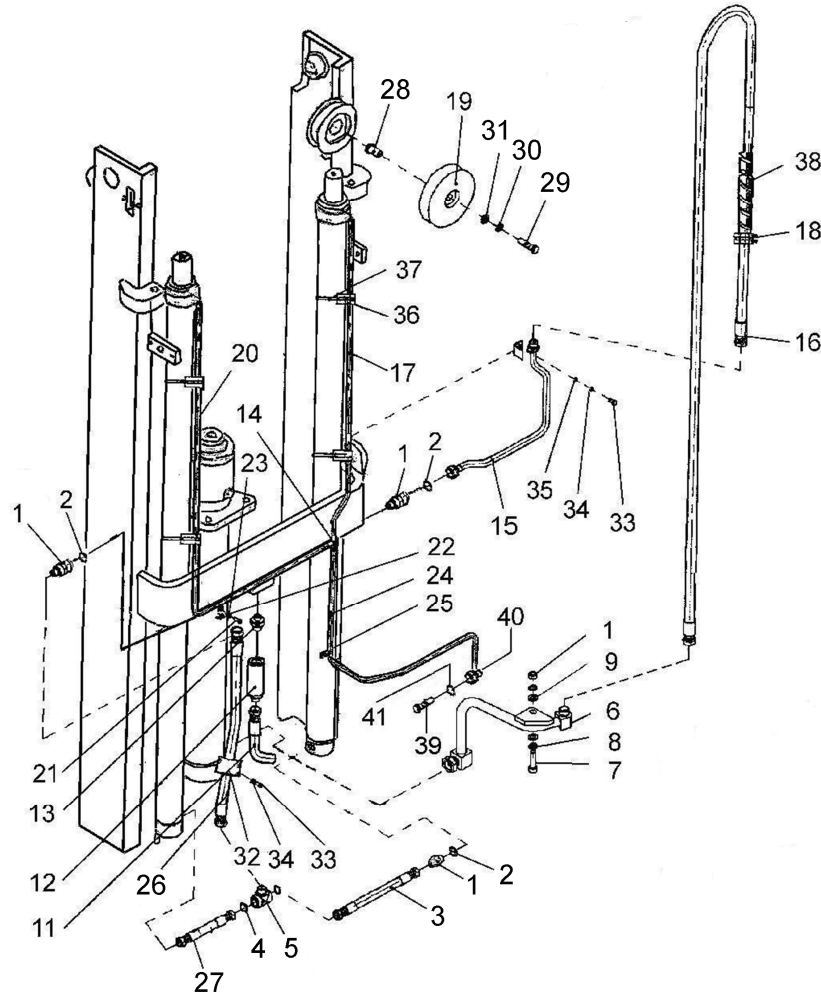
三级全自由门架 TRIPLEX MAST



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
14	N30M300-700005-000	三接头 Connector	1	
15	R45N450-202000-001	钢油管 Connector	1	
16	See OPT. Parts List 15	胶管接头 Connector	1	
17	See OPT. Parts List 15	回油管 $\Phi 14.5 \times \Phi 9.5$ Return oil pipe	1	4.0-4.5t
17	See OPT. Parts List 15	回油管 $\Phi 14.5 \times \Phi 9.5$ Return oil pipe	1	5 t
18	4N4.5H-200003	管夹 Clip	2	
19	4N4.5H-200004A	滑轮 Pulley wheel	1	
20	See OPT. Parts List 15	回油管 $\Phi 14.5 \times \Phi 9.5$ Return oil pipe	1	4.0-4.5t
20	See OPT. Parts List 15	回油管 $\Phi 14.5 \times \Phi 9.5$ Return oil pipe	1	5 t
21	G005781-006012-00	螺栓 M6×12 Bolt M6×12	2	
22	G000093-000006-00	垫圈 6 Washer 6	2	
23	3M3H-700014	长管夹 Clip	1	
24	R45N450-200011-W00	回油管 $\Phi 8 \times \Phi 11$ Return oil pipe	1	
25	3M3H-700003	管夹 Clip	1	
26	R45N450-200012-000	胶管接头 Connector	1	

图 7-27 油路系统  
Fig.7-27 Oil pipe system

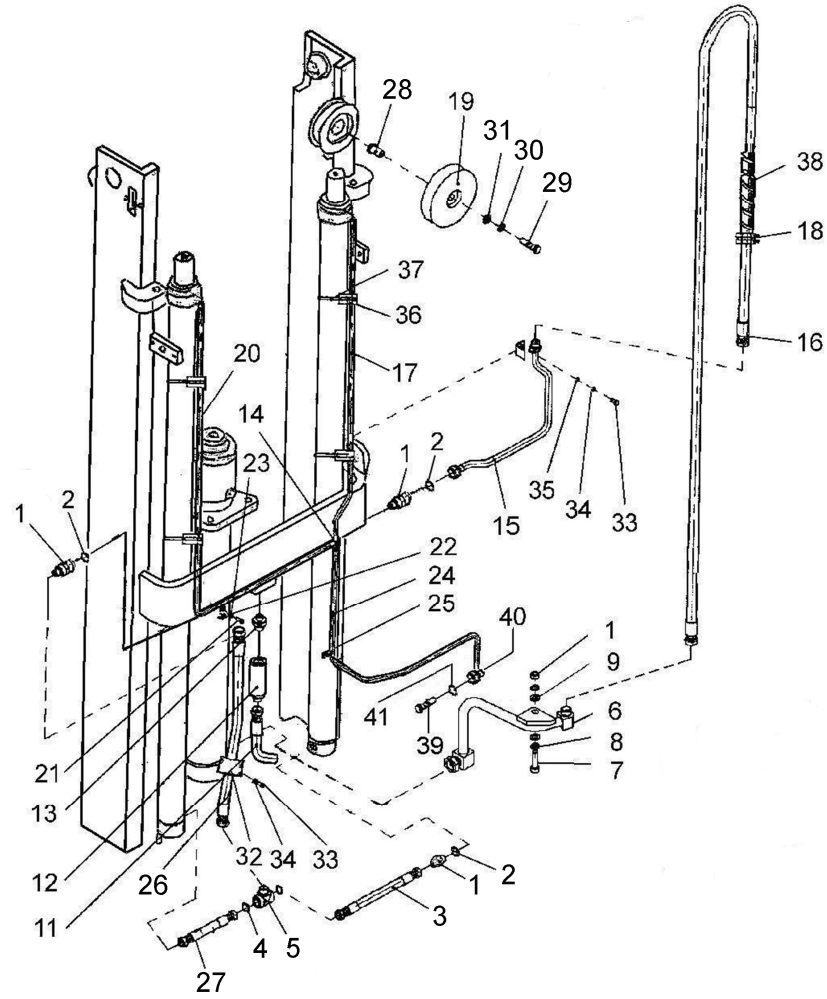
三级全自由门架 TRIPLEX MAST



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
27	4N4.5H-200013	胶管接头 Connector	1	
28	40N4.5-200006	轴套 Shaft sleeve	1	4.0-4,5t
28	H50N450-200003-000	轴套 Shaft sleeve	1	5 t
29	G005782-016060-00	螺栓 M16×60 Bolt M16×60	1	
30	G000093-000016-00	垫圈 16 Washer 16	1	
31	G0097P1-000016-00	垫圈 16 Washer 16	1	
32	2.5N4.5H-200010	管夹 Clip	1	
33	G005783-000016-00	螺栓 M8×16 Bolt M8×16	2	
34	G000093-000008-00	垫圈 8 Washer 8	2	
35	G0097P1-000008-00	垫圈 8 Washer 8	1	
36	N30M300-700002-000	镶边 Band	4	
37	GT-3001-G00	通用尼龙扎带 Clamp-band	4	
38	4N4.5L*200014	护套(Φ17×1) Nylon sleeve	1	
39	3-60-00-30A	铰接螺栓 Bolt	1	
40	N15N450-200019-000	低压接头 Connector	1	

图 7-27 油路系统  
Fig.7-27 Oil pipe system

三级全自由门架 TRIPLEX MAST



序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
41	J00982-000012-00	垫圈 12 Washer 12	1	

选配 15 <Optional Parts List 15>

序号 Item No.	16	17 4.0-4.5t	17 5.0t	20 4.0-4.5t	20 5.0t
起升高度 Lift Height	物料码 Part No.	物料码 Part No.	物料码 Part No.	物料码 Part No.	物料码 Part No.
4000	R45N400-200001-001	J45N400-200002-W00	J50N400-200002-W00	J 45N400-200003-W00	J50N400-200003-W00
4300	R45N430-200001-001	J 45N430-200002-W00	J50N430-200002-W00	J 45N430-200003-W00	J50N430-200003-W00
4500	R45N450-200008-001	R45N450-200010-W00	R45N450-200010-W00	R45N450-200009-W00	R45N450-200009-W00
4700	R45N470-200001-001	J 45N470-200002-W00	J50N470-200002-W00	J 45N470-200003-W00	J50N470-200003-W00
4800	R45N480-200001-001	J 45N480-200002-W00	J50N480-200002-W00	J 45N480-200003-W00	J50N480-200003-W00
5000	R45N500-200001-001	J 45N500-200002-W00	J50N500-200002-W00	J 45N500-200003-W00	J50N500-200003-W00
5500	R45N550-200001-001	J 45N550-200002-W00	J50N550-200002-W00	J 45N550-200003-W00	J50N550-200003-W00
6000	R45N600-200001-001	J 45N600-200002-W00	J50N600-200002-W00	J 45N600-200003-W00	J50N600-200003-W00
6500	R45N650-200001-001	J 45N650-200002-W00	J50N650-200002-W00	J 45N650-200003-W00	J50N650-200003-W00
7000	R45N700-200001-001	J 45N700-200002-W00	J50N700-200002-W00	J 45N700-200003-W00	J50N700-200003-W00

图 7-28 侧移油缸  
Fig.7-28 Side cylinder

三级全自由门架 TRIPLEX MAST

序号 Item	物料码 Part No.	名称 Description	数量 Qty	备注或适用车型 Remarks Or Serial No.
A1	R45V450-303000-000	侧移油缸 Side cylinder	1	
1	G000091-004035-00	销 4×35 Pin 4×35	1	
2	3-22-00-02	六角槽形螺母 Nut	1	
3	R45V450-303001-000	活塞环 Piston ring	2	
4	R45V450-303002-000	活塞 Piston	1	
5	R45V450-303100-000	油缸体 Cylinder body	1	
6	R45V450-303200-000	活塞杆 Piston rod	1	
7	SF-1-2540-G00	复合衬套 2540 Combination bush	1	
8	R45V450-303003-000	导向套 Guide sleeve	1	
9	G001235-006503P5-00	O 形密封圈 65×3.5 O-Ring 65×3.5	1	
10	CKS-0250-G00	CKS 密封圈 d25 CKS-seal ring d25	1	
11	G001235-006803P1-00	O 形密封圈 68×3.1 O-Ring 68×3.1	1	
12	CKG-025-G00	CKG 密封圈 d25 CKG-seal ring d25	1	
13	CK-025-G00	CK 防尘圈 d25 CK-dustproof ring d25	1	

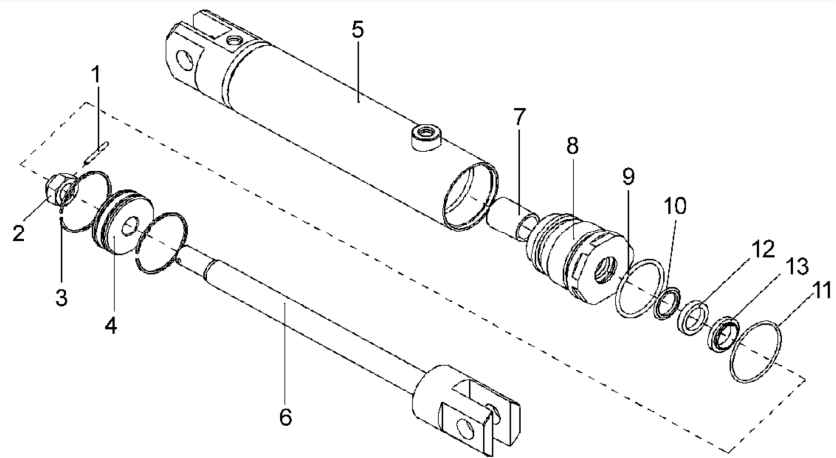
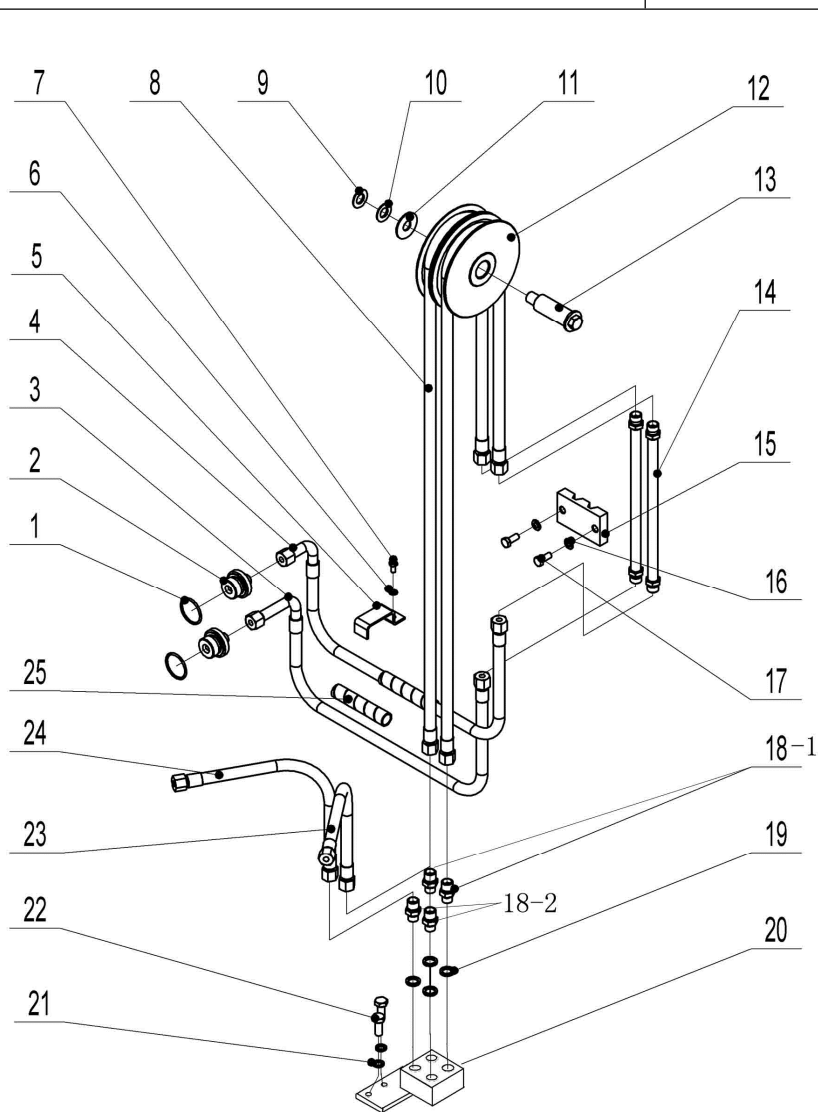


图 7-29 侧移油路  
Fig.7-29 Side shifter piping

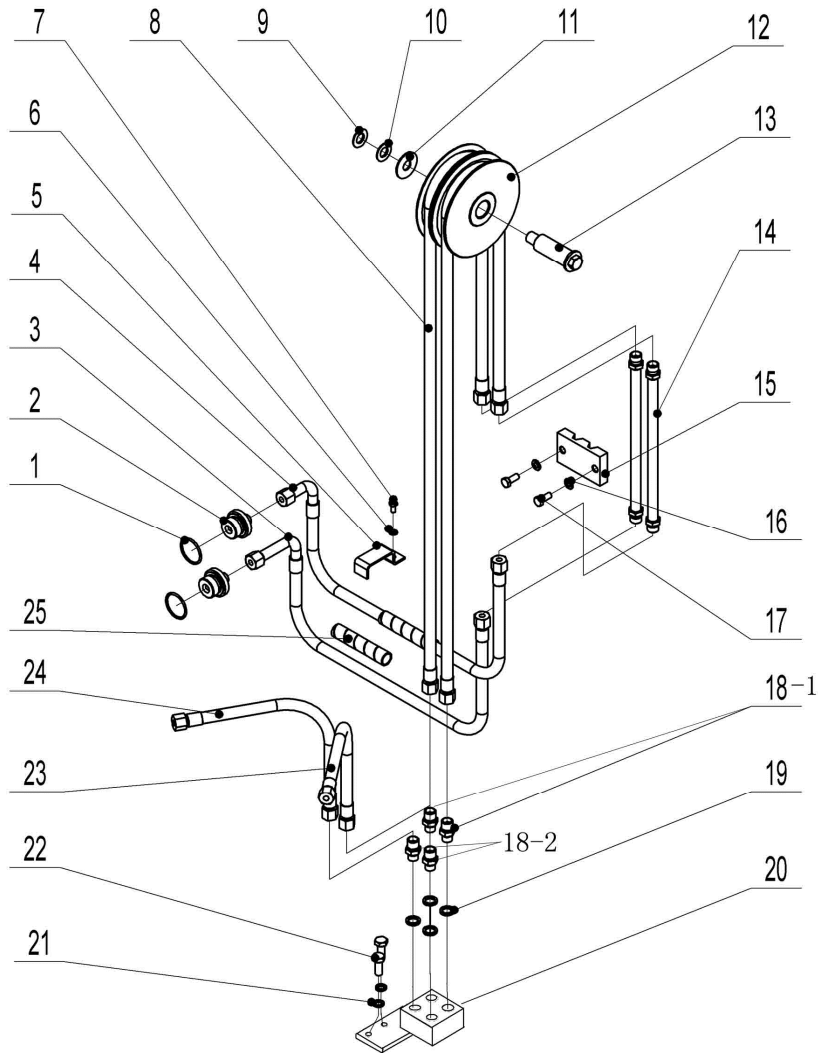
二级门架 SIMPLEX MAST



序号 Item	物料码 Part NO.	名称 Description	数量 Qty	备注或适用车型 Remarks or Serial NO.
A	See OPT. Parts List 16	侧移油路 Side shifter piping	1	
1	GB1235-76	O 型密封圈 40×3.1 O-ring 40×3.1	4	
2	30DH-600004	管接头 Pipe joint	2	
3	GB1885-77	胶管 8I-750G/G Hose	1	
4	GB1885-77	胶管 8I-850G/G Hose	1	
5	30DH-500001A	管夹 Clip	1	
6	GB93-87	垫圈 6 Washer 6	1	
7	GB5783-86	螺栓 M6×12 Bolt M6×12	1	
8	See OPT. Parts List 16	胶管 Hose	2	
9	GB97.1-86	垫圈 16 Washer 16	1	
10	GB93-87	弹簧垫 16 Washer 16	1	
11	CSOF-00-02	垫圈 Washer	1	
12	CSOK-00-05F	滑轮 Pulley wheel	2	
13	CSOM-00-04	滑轮轴 Pulley bolt	1	
14	CSOC-20-00A	硬管接头 Connector	2	

图 7-29 侧移油路  
Fig.7-29 Side shifter piping

二级门架 SIMPLEX MAST



序号 Item	物料码 Part NO.	名称 Description	数量 Qty	备注或适用车型 Remarks or Serial NO.
15	CSOC-00-03B	压块 Press block	1	4t-X5t
16	GB93-87	垫圈 8 Washer 8	2	
17	GB70-85	螺钉 M8×25 Bolt M8×25	2	
18-1	3CS9-60-04A	直通接头 Nipple	2	
18-2	3CS9-60-04B	直通接头 Nipple	2	
19	JB982-77	组合垫 14 Washer 14	4	
20	CSOW-10-00F	接头支座 Joint bearing	1	
21	GB93-87	弹簧垫 10 Washer 10	1	
22	GB5783-86	螺栓 M10×16 Bolt M10×16	2	
23	JB1885-77	胶管 6I-350G/G Hose	1	
24	JB1885-77	胶管 6I-300G/G Hose	1	
25	J25B300-900010-W00	胶管护套 Hose Sheath	2	

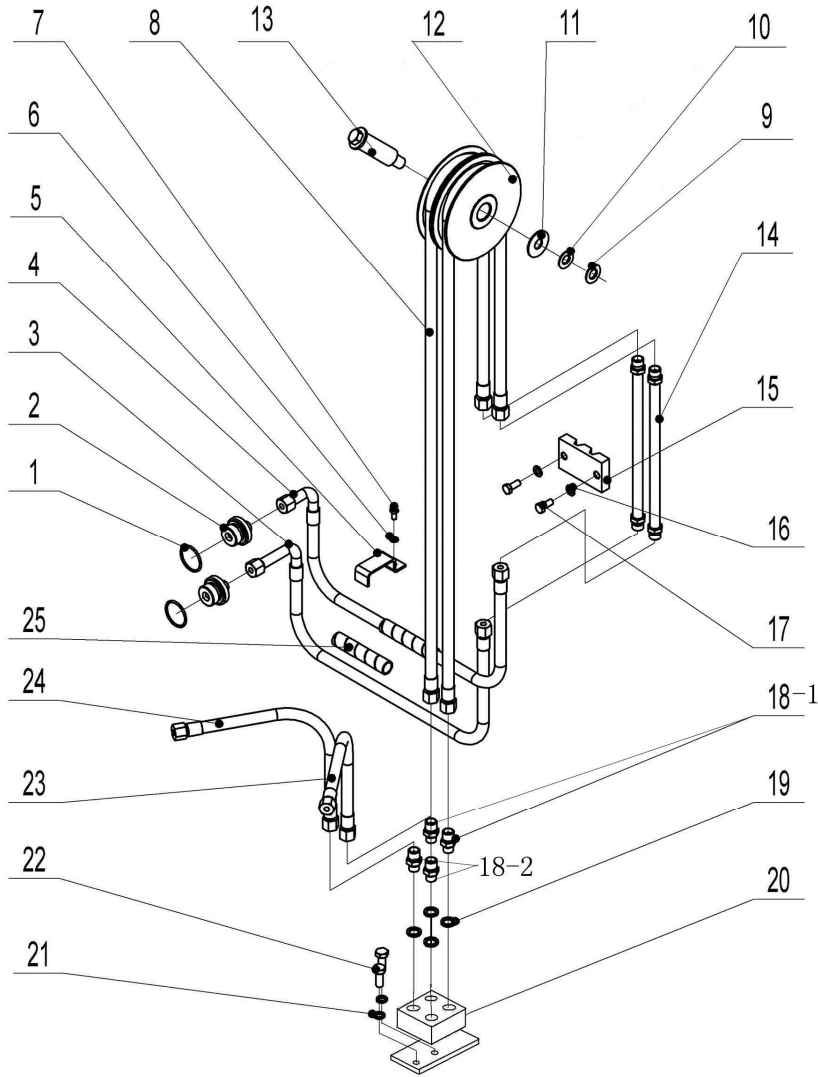
选配表 16 <Optional Parts List 16>

序号 Item No.	A	8
起升高度 Lift Height	物料码 Part NO.	物料码 Part NO.
2500	J45B250-90-00	JB1885-77 8I-2150G/G
2750	J45B275-90-00	JB1885-77 8I-2400G/G
3000	J45B300-90-00	JB1885-77 8I-2650G/G
3300	J45B330-90-00	JB1885-77 8I-2950G/G
3500	J45B350-90-00	JB1885-77 8I-3150G/G
3600	J45B360-90-00	JB1885-77 8I-3200G/G
3800	J45B380-90-00	JB1885-77 8I-3450G/G
4000	J45B400-90-00	JB1885-77 8I-3700G/G
4300	J45B430-90-00	JB1885-77 8I-4000G/G
4500	J45B450-90-00	JB1885-77 8I-4200G/G
4800	J45B480-90-00	JB1885-77 8I-4500G/G
5000	J45B500-90-00	JB1885-77 8I-4750G/G
5500	J45B550-90-00	JB1885-77 8I-5150G/G
6000	J45B600-90-00	JB1885-77 8I-5650G/G



图 7-30 第四联油路  
Fig.7-30 The fourth piping

二级门架 SIMPLEX MAST



序号 Item	物料码 Part NO.	名称 Description	数量 Qty	备注或适用车型 Remarks or Serial NO.
A	See OPT. Parts List 17	第四联油路 The fourth piping	1	
1	GB1235-76-32×3.5	O 型密封圈 32×3.5 O-ring 32×3.5	4	
2	30DH-600004	管接头 Pipe joint	2	
3	8I-1100G/G	胶管 8I-1100G/G Hose	1	
4	8I-1200G/G	胶管 8I-1200G/G Hose	1	
5	30DH-500001A	管夹 Clip	1	
6	GB93-87-6	垫圈 6 Washer 6	1	
7	GB5783-86- M6×12	螺栓 M6×12 Bolt M6×12	1	
8	See OPT. Parts List 17	胶管 8I-2700G/G Rubber pipe	2	
9	GB97.1-86-16	垫圈 16 Washer 16	1	
10	GB93-87-16	弹簧垫 16 Washer 16	1	
11	CSOF-00-02	垫圈 Washer	1	
12	CSOK-00-05F	滑轮 Pulley wheel	2	
13	CSOM-00-04	滑轮轴 Pulley bolt	1	
14	CSOC-20-00A	硬管接头 Connector	2	

图 7-30 第四联油路  
Fig.7-30 The fourth piping

二级门架 SIMPLEX MAST

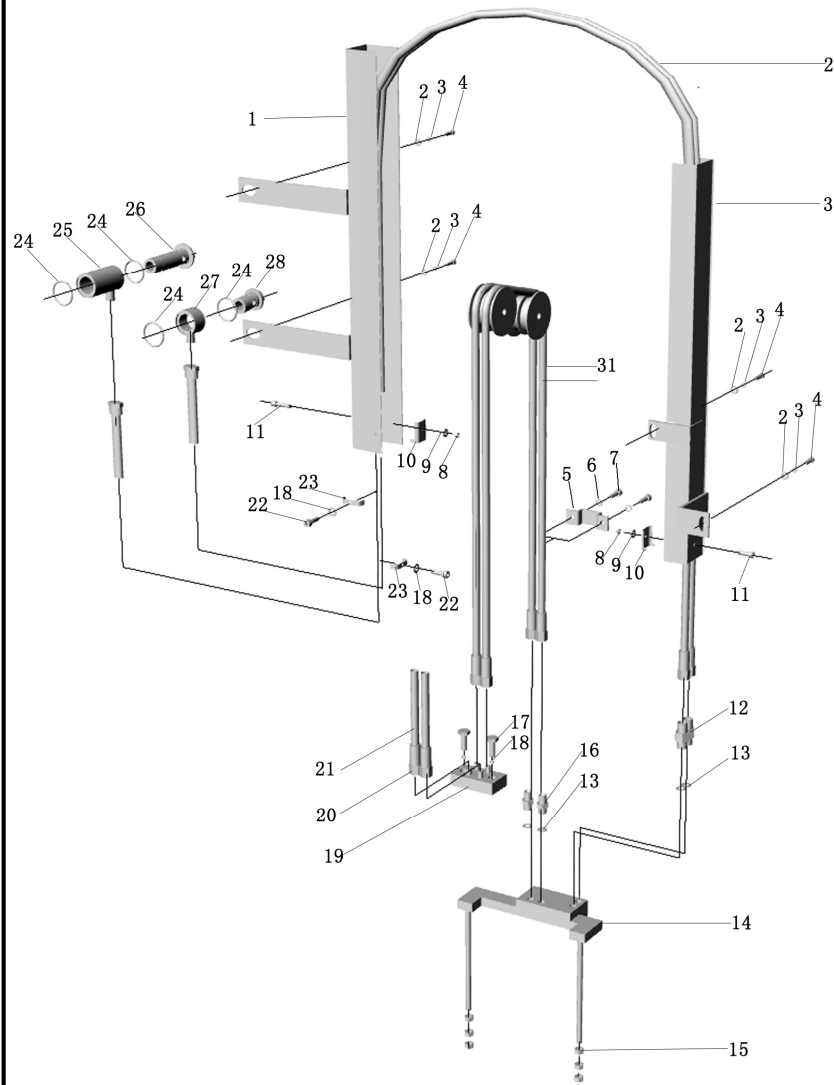
序号 Item	物料码 Part NO.	名称 Description	数量 Qty	备注或适用车型 Remarks or Serial NO.
15	CSOC-00-03B	压块 Press block	1	
16	GB93-87-8	垫圈 8 Washer 8	2	
17	GB70-85- M8x25	螺钉 M8x25 Bolt M8x25	2	
18-1	3CS9-60-04A	直通接头 Nipple	2	非内侧
	CSOS-00-04	直通接头 Nipple	2	内侧
18-2	3CS9-60-04B	直通接头 Nipple	2	非内侧
	CSOS-00-05	直通接头 Nipple	2	内侧
19	JB982-77-14	组合垫 14 Washer 14	4	
20	CSOW-10-00FL	接头支座 Joint bearing	1	非内侧
	CSOW-10-00L	接头支座 Joint bearing	1	内侧
21	GB93-87-10	弹簧垫 10 Washer 10	1	
22	GB5783-86- M10x16	螺栓 M10x16 Bolt M10x16	2	
23	6I-350G/G	胶管 6I-350G/G Hose	1	
24	6I-300G/G	胶管 6I-300G/G Hose	1	
25	J25B300-900010-W00	胶管护套 Hose Sheath	2	

选配表 17 <Optional Parts List 17>

序号 Item No.	A	8
起升高度 Lift Height	物料码 Part NO.	物料码 Part NO.
2500	J45B250-80-00	JB1885-77 8I-2200G/G
2750	J45B275-80-00	JB1885-77 8I-2450G/G
3000	J45B300-80-00	JB1885-77 8I-2700G/G
3300	J45B330-80-00	JB1885-77 8I-3000G/G
3500	J45B350-80-00	JB1885-77 8I-3200G/G
3600	J45B360-80-00	JB1885-77 8I-3300G/G
3800	J45B380-80-00	JB1885-77 8I-3400G/G
4000	J45B400-80-00	JB1885-77 8I-3500G/G
4300	J45B430-80-00	JB1885-77 8I-3750G/G
4500	J45B450-80-00	JB1885-77 8I-4050G/G
4800	J45B480-80-00	JB1885-77 8I-4300G/G
5000	J45B500-80-00	JB1885-77 8I-4550G/G
6000	J45B600-80-00	JB1885-77 8I-4800G/G

图 7-31 侧移油路  
Fig.7-31 Side shifter piping

二级全自由门架 DUPLEX MAST



序号 Item	物料码 Part NO.	名称 Description	数量 Qty	备注或适用车型 Remarks or Serial NO.
A	See OPT. Parts List 18	侧移油路 Side shifter piping	1	
1	See OPT. Parts List 18	滑导(右) slipping lump (RH)	1	
2	GB97.1-86-10	垫圈 10 Washer 10	4	
3	GB93-87-10	垫圈 10 Washer 10	4	
4	GB5783-86- M10×16	螺栓 M10×16 Bolt M10×16	4	
5	1QN5-200004	管夹 Clip	1	
6	GB93-87-6	垫圈 6 Washer 6	2	
7	GB70-85- M6×12	螺栓 M6×12 Bolt M6×12	2	
8	GB6170-86- M5	螺母 M5 Nut M5	2	
9	GB93-87-5	垫圈 5 Washer 5	2	
10	2025C3-200006	压块 I Press Block I	1	
11	GB5783-86- M5×35	螺栓 M5×35 Bolt M5×35	2	
12	CSOS-00-04	直通接头 Nipple	2	
13	JB982-77-14	垫圈 14 Washer 14	2	
14	CSOS-50-00A	接头支座 Joint bearing	1	

图 7-31 侧移油路  
Fig.7-31 Side shifter piping

二级全自由门架 DUPLEX MAST

序号 Item	物料码 Part NO.	名称 Description	数量 Qty	备注或适用车型 Remarks or Serial NO.
15	GB6170-86- M10	螺母 M10 Nut M10	6	
16	CSOS-00-05	直通接头 Nipple	2	
17	GB70-85- M8x25	螺钉 M8x25 Bolt M8x25	2	
18	GB93-87-8	垫圈 8 Washer 8	4	
19	CSOS-10-00A	接头支座 Joint bearing	1	
20	8I/6GK-450G/G	胶管 8I/6GK-450G/G Hose assy	1	
21	8I/6GK-350G/G	胶管 8I/6GK-350G/G Hose assy	1	
22	GB5783-86- M8x35	螺母 M8x35 Nut M8x35	2	
23	2025C3-200009	压块 II Press Block II	2	
24	GB1235-76-32x3.5	O 型圈 32x3.5 O-ring 32x3.5	3	
25	3-60-00-04	铰接接头体 Connector	1	
26	30DH-600010	铰接螺栓 Hinge bolt	1	
27	3-60-00-02	铰接接头体 Connector	1	
28	30DH-600012	铰接螺栓 Hinge bolt	1	
29	See OPT. Parts List 18	并体胶管 Hose assy	1	



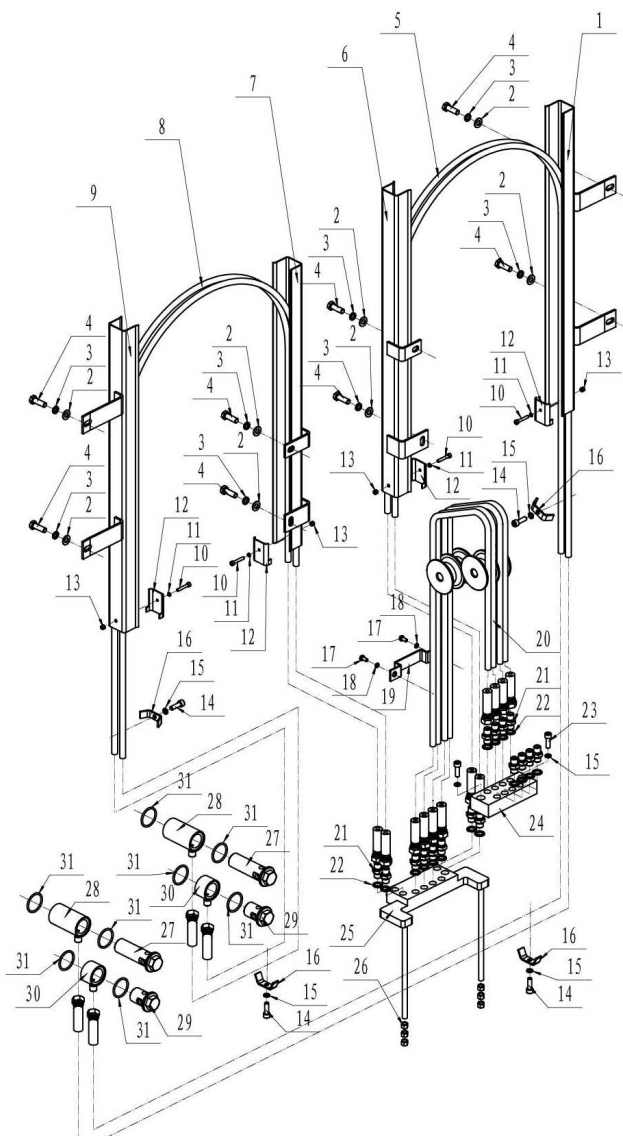
选配表 18 <Optional Parts List 18>

序号 Item No.	A	1	29
起升高度 Lift Height	物料码 Part NO.	Part NO.	Part NO.
2500	J45C250-90-00	CSOW-40-00B	CSOW*40-00 8I-2740G/G
2750	J45C275-90-00	CSOW-40-00B	CSOW*40-00 8I-2740G/G
3000	J45C300-90-00	CSOW-40-00C	CSOW*40-00 8I-2950G/G
3300	J45C330-90-00	CSOW3.3-40-00	CSOW*40-00 8I-3050G/G
3600	J45C360-90-00	CSOW3.6-40-00	CSOW*40-00 8I-3400G/G
4000	J45C400-90-00	CSOW4.0-40-00	CSOW*40-00 8I-3800G/G

序号 Item No.	30	31
起升高度 Lift Height	Part NO.	Part NO.
2500	CSOW2.5-30-00	JB1885-77 6I-1710G/G
2750	CSOW2.75-30-00	JB1885-77 6I-1810G/G
3000	CSOW-30-00A	JB1885-77 6I-1970G/G
3300	CSOW3.3-30-00	JB1885-77 6I-2050G/G
3600	CSOW3.6-30-00	JB1885-77 6I-21200G/G
4000	CSOW4.0-30-00	JB1885-77 6I-2400G/G

图 7-32 四联油路  
Fig.7-32 Fourth piping

二级全自由门架 DUPLEX MAST

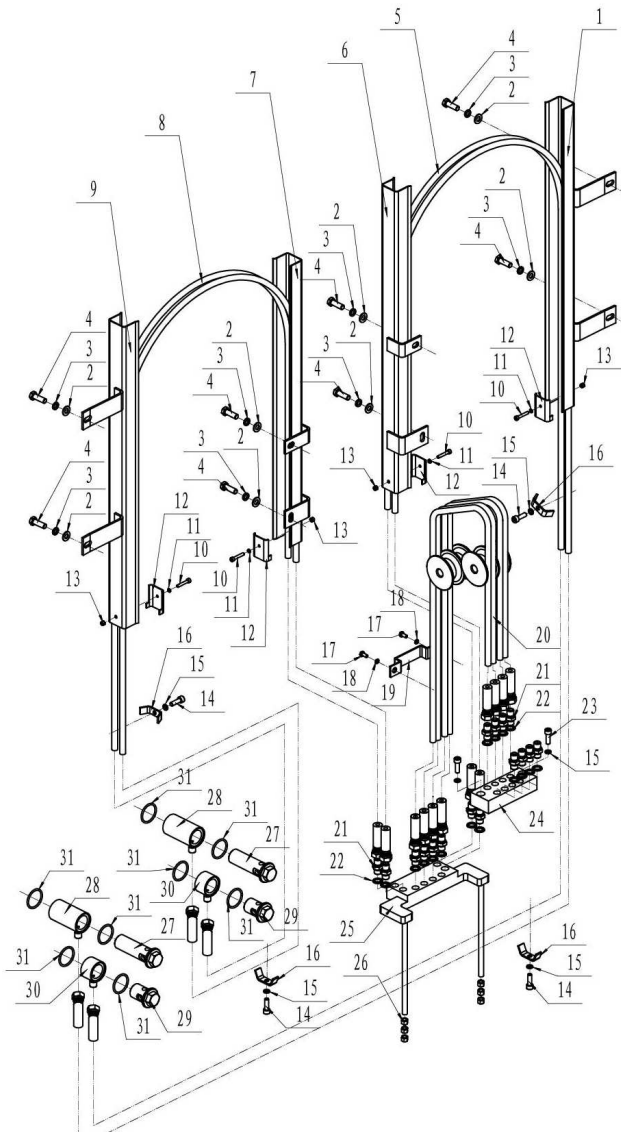


序号 Item	物料码 Part NO.	名称 Description	数量 Qty	备注或适用车型 Remarks or Serial NO.
A	See OPT. Parts List 19	四联油路 The fourth piping	1	
1	See OPT. Parts List 19	滑导(左外) slipping lump (LOH)	1	
2	GB97.1-86	垫圈 10 Washer 10	8	
3	GB93-87	垫圈 10 Washer 10	8	
4	GB5783-86	螺栓 M10×16 Bolt M10×16	8	
5	See OPT. Parts List 19	并体胶管 Hose assy	1	
6	See OPT. Parts List 19	滑导(左内) slipping lump (LIH)	1	
7	See OPT. Parts List 19	滑导(右内) slipping lump (RIH)	1	
8	See OPT. Parts List 19	并体胶管 Hose assy	1	
9	See OPT. Parts List 19	滑导(右外) slipping lump (ROH)	2	
10	GB6170-86	螺母 M5 Nut M5	4	
11	GB93-87	垫圈 5 Washer 5	4	
12	2025C3-200006	压块 I Press Block I	4	
13	GB5783-86	螺栓 M5×35 Bolt M5×35	4	
14	GB5783-86	螺母 M8×35 Nut M8×35	4	



图 7-32 四联油路  
Fig.7-32 Fourth piping

二级全自由门架 DUPLEX MAST



序号 Item	物料码 Part NO.	名称 Description	数量 Qty	备注或适用车型 Remarks or Serial NO.
15	GB93-87	垫圈 8 Washer 8	6	
16	2025C3-200009	压块 II Press Block II	4	
17	GB70-85	螺栓 M6×12 Bolt M6×12	2	
18	GB93-87	垫圈 6 Washer 6	2	
19	1QN5-200004C	管夹 Clip	1	
20	See OPT. Parts List 19	胶管 Hose assy	4	
21	CSOS-00-04	直通接头 Nipple	16	
22	JB982-77	垫圈 14 Washer 14	16	
23	GB70-85	螺钉 M8×25 Bolt M8×25	2	
24	CSOW2-80-00C	接头支座 Joint bearing	1	
25	CSOW2-50-00	接头支座 Joint bearing	1	
26	GB6170-86	螺母 M10 Nut M10	6	
27	3-60-00-04	铰接螺栓 Hinge bolt	2	
28	30DH-600010	铰接接头体 Connector	2	
29	3-60-00-02	铰接螺栓 Hinge bolt	2	



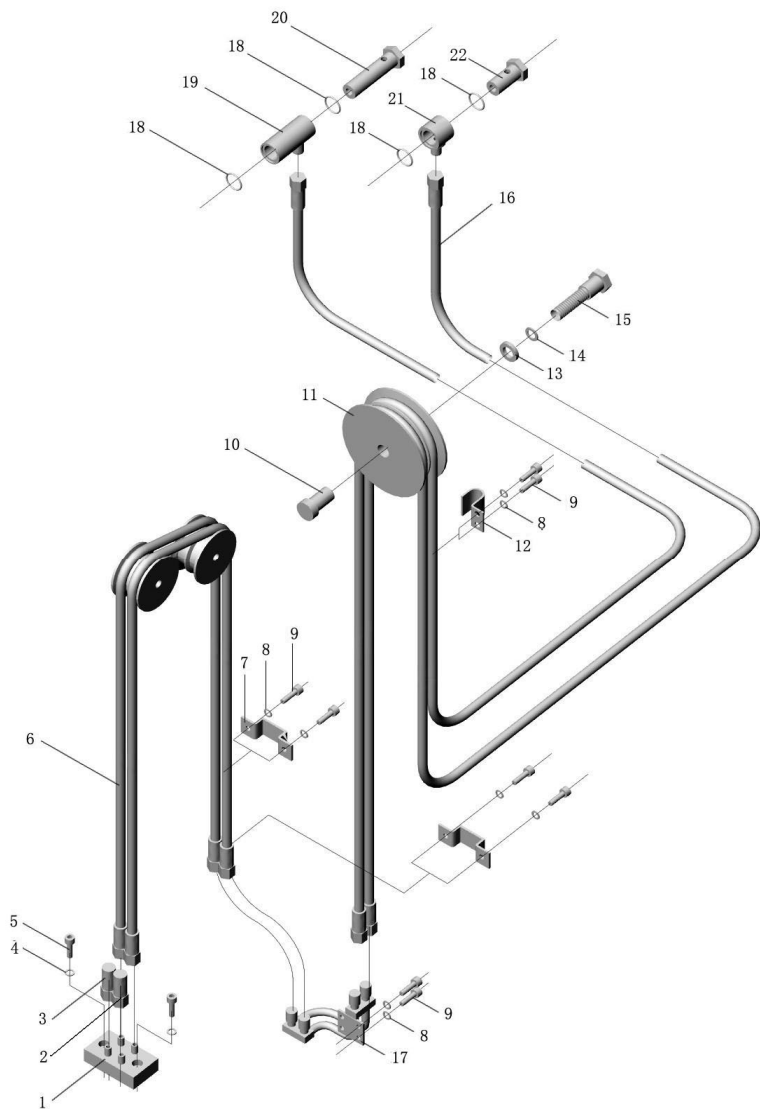
选配表 19 <Optional Parts List 19>

序号 Item No.	A	1	5	6
起升高度 Lift Height	Part NO.	Part NO.	Part NO.	Part NO.
2500	J45C250-80-00	CSOW-20-00A	CSOT*30-00 8I-2690G/G	CSOW2-2.5-10-00
2750	J45C275-80-00	CSOW-20-00A	CSOT*30-00 8I-2900G/G	CSOW2-2.75-10-00
3000	J45C300-80-00	CSOW2-40-00C	CSOT*30-00 8I-3000G/G	CSOW2-10-00
3300	J45C330-80-00	CSOW2-3.3-40-00	CSOT*30-00 8I-3350G/G	CSOW2-3.3-10-00
3600	J45C360-80-00	CSOW2-3.6-30-00	CSOT*30-00 8I-3600G/G	CSOW2-3.6-10-00
4000	J45C400-80-00	CSOW2-4.0-30-00	CSOT*30-00 8I-3950G/G	CSOW2-4.0-10-00

序号 Item No.	7	8	9	20
起升高度 Lift Height	Part NO.	Part NO.	Part NO.	Part NO.
2500	COSW2-2.5-70-00	CSOW*40-00 8I-2250G/G	CSOW-40-00B	JB1885-77 6I-1660G/G
2750	COSW2-2.75-70-00	CSOW*40-00 8I-2450G/G	CSOW-40-00B	JB1885-77 6I-1760G/G
3000	COSW2-70-00	CSOW*40-00 8I-2690G/G	CSOW-40-00C	JB1885-77 6I-1920G/G
3300	COSW2-3.3-70-00	CSOW*40-00 8I-3000G/G	CSOW3.3-40-00	JB1885-77 6I-2000G/G
3600	COSW2-3.6-70-00	CSOW*40-00 8I-3350G/G	CSOW3.6-30-00	JB1885-77 6I-2150G/G
4000	COSW2-4.0-70-00	CSOW*40-00 8I-3750G/G	CSOW4.0-30-00	JB1885-77 6I-2350G/G

图 7-33 侧移油路  
Fig.7-33 Side shifter piping

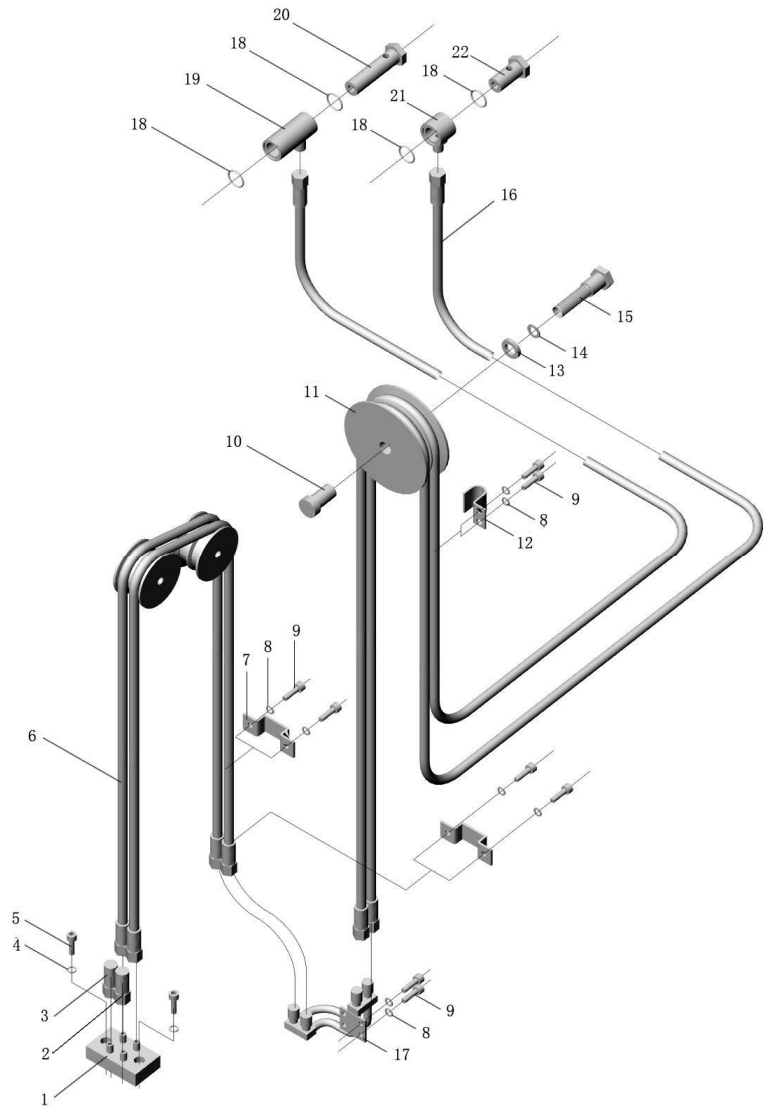
三级全自由门架 TRIPLEX MAST



序号 Item	物料码 Part NO.	名称 Description	数量 Qty	备注或适用车型 Remarks or Serial NO.
A	See OPT. Parts List 20	侧移油路 Side shifter piping	1	
1	CSOS-10-00A	接头支座 Joint bearing	1	
2	JB1885-77 6I-400G/G	胶管 Hose	1	
3	JB1885-77 6I-300G/G	胶管 Hose	1	
4	G000093-000008-00	弹垫 8 Washer 8	4	
5	G005783-008016-00	螺栓 M8×16 Bolt M8×16	2	
6	See OPT. Parts List 20	胶管 Hose	2	
7	1QN5-200004	管夹 Clip	2	
8	G000093-000006-00	弹垫 6 Washer 6	8	
9	G000070-006012-00	螺钉 M6×12 Bolt M6×12	6	
10	2025N4.3-200004C	轴套 Shaft sleeve	1	
11	CSOR-00-04C	滑轮 Pulley wheel	1	
12	CSOR-00-03A	管夹 Clip	1	
13	G0097P1-000016-00	平垫 16 Washer 16	1	
14	G000093-000016-00	垫圈 16 Washer 16	1	

**图 7-33 侧移油路**  
**Fig.7-33 Side shifter piping**

三级全自由门架 TRIPLEX MAST



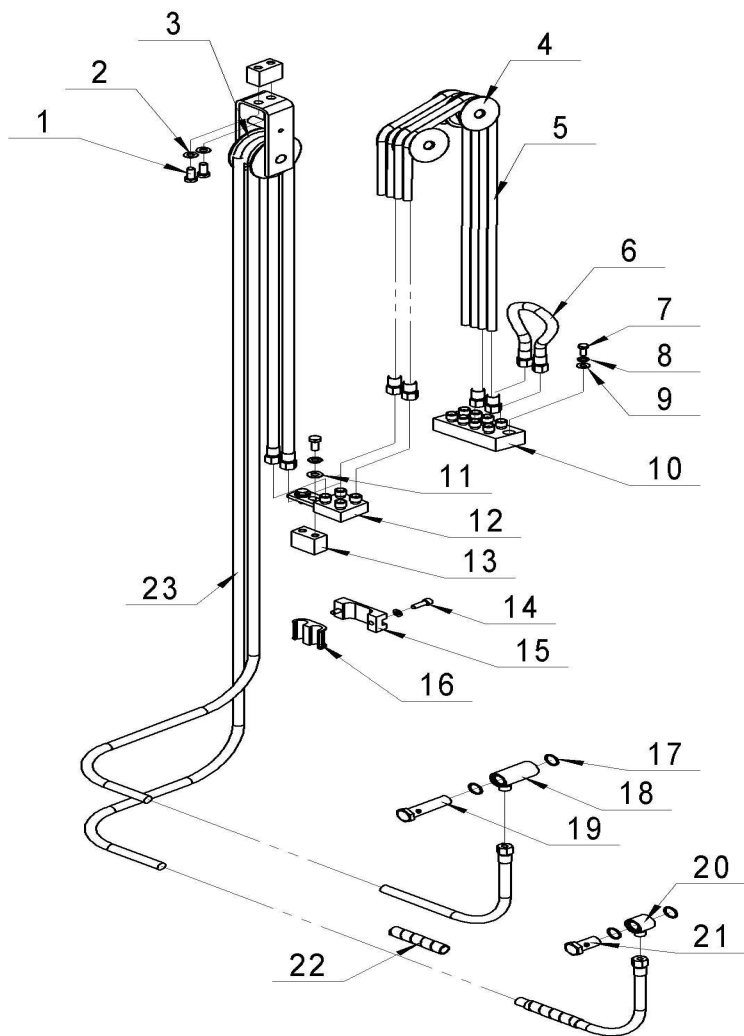
序号 Item	物料码 Part NO.	名称 Description	数量 Qty	备注或适用车型 Remarks or Serial NO.
15	G005783-016055-00	螺栓 M16×55 Bolt M16×55	1	
16	See OPT. Parts List 20	胶管 Hose	2	
17	CSOR-20-00B	管式接头支座 Joint bearing	1	
18	G001235-004003P1-00	O 型密封圈 40×3.1 O-ring 40×3.1	4	
19	30DH-600010	铰接头体 Connector	1	
20	3-60-00-04	铰接螺栓 Hinge bolt	1	
21	30DH-600012	铰接头体 Connector	1	
22	3-60-00-02	铰接螺栓 Hinge bolt	1	

选配表 20 <Optional Parts List 20>

序 号 Item No.	A	6	16
起升高度 Lift Height	物料码 Part NO.	物料码 Part NO.	物料码 Part NO.
4000	J45V400-90-00	JB1885-77 6I-1900 G/G	JB1885-77 6I-3700 G/G
4300	J45V430-90-00	JB1885-77 6I-1960 G/G	JB1885-77 6I-4000 G/G
4500	J45V450-90-00	JB1885-77 6I-2000 G/G	JB1885-77 6I-4200 G/G
4800	J45V480-90-00	JB1885-77 6I-2100 G/G	JB1885-77 6I-4350 G/G
5000	J45V500-90-00	JB1885-77 6I-2150 G/G	JB1885-77 6I-4650 G/G
5500	J45V550-90-00	JB1885-77 6I-2270 G/G	JB1885-77 6I-4800 G/G
6000	J45V600-90-00	JB1885-77 6I-2500 G/G	JB1885-77 6I-5150 G/G
6500	J45V650-90-00	JB1885-77 6I-2650 G/G	JB1885-77 6I-5750 G/G
7000	J45V700-90-00	JB1885-77 6I-2750 G/G	JB1885-77 6I-6000 G/G

图 7-34 第四联油路  
Fig.7-34 The fourth piping

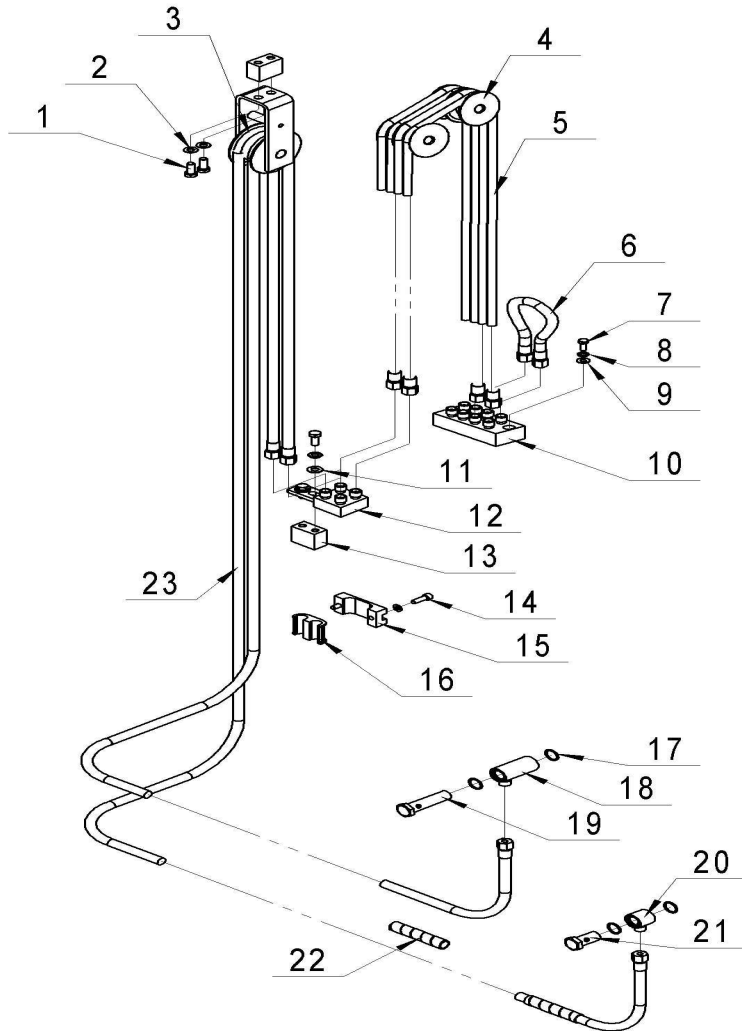
三级全自由门架 TRIPLEX MAST



序号 Item	物料码 Part NO.	名称 Description	数量 Qty	备注或适用车型 Remarks or Serial NO.
A	See OPT. Parts List 21	第四联油路 The fourth piping	1	
1	G005783-010025-00	螺栓 M10 Bolt M10	4	
2	G000093-000010-00	垫圈 10 Washer 10	4	
3	CSOF2-10-00A	滑轮支架总成 Pulley bracket assy	1	
4	CSOR-00-01A	滑轮 Pulley wheel	2	
5	See OPT. Parts List 21	胶管接头 Oil pipe assy	2	
6	JB1885-77	胶管 8I/8GK-300G/G Oil pipe assy	1	
7	G005783-008025-00	螺栓 M8 Bolt M8	4	
8	G000093-000008-00	垫圈 8 Washer 8	4	
9	G000097-000008-00	垫圈 8 Washer 8	2	
10	CSOW2-80-00C	接头支座 Joint bearing	1	
11	G000097-000010-00	平垫片 10 Washer 10	2	
12	CSOG26-40-00B	接头支座 Joint bearing	1	
13	CSOCN-00-01B	垫块 Pads	2	
14	G000070-008025-00	内六角螺栓 M8 Hexagon bolt M8	2	

图 7-34 第四联油路  
Fig.7-34 The fourth piping

三级全自由门架 TRIPLEX MAST



序号 Item	物料码 Part NO.	名称 Description	数量 Qty	备注或适用车型 Remarks or Serial NO.
15	CSOK-00-01D	压块 Briquette	1	
16	CSOK-00-02	橡胶垫 rubber matting	1	
17	G001235-002602P4-00	O 型圈 26x2.4 O-ring 26x2.4	4	
18	30DH-600012	铰接接头体 Hinge joint body	1	
19	3-60-00-02	铰接螺栓 Hinge bolt	1	
20	30DH-600010	铰接接头体 Hinge joint body	1	
21	3-60-00-04	铰接螺栓 Hinge bolt	1	
22	J25B300-900010-W00	胶管护套 Hose Sheath	2	
23	See OPT. Parts List 21	胶管接头 Oil pipe assy	2	



选配表 21 <Optional Parts List 21>

序号 Item No.	A	5	23
起升高度 Lift Height	物料码 Part NO.	物料码 Part NO.	物料码 Part NO.
4000	J45V400-80-00	JB1885-77 8I/8GK-1900 G/G	JB1885-77 8I/8GKI-3900 G/G
4300	J45V430-80-00	JB1885-77 8I/8GK-1960 G/G	JB1885-77 8I/8GKI-4200 G/G
4500	J45V450-80-00	JB1885-77 8I/8GK-2000 G/G	JB1885-77 8I/8GKI-4400 G/G
4800	J45V480-80-00	JB1885-77 8I/8GKI-2100 G/G	JB1885-77 8I/8GKI-4550 G/G
5000	J45V500-80-00	JB1885-77 8I/8GKI-2150 G/G	JB1885-77 8I/8GKI-4850 G/G
5500	J45V550-80-00	JB1885-77 8I/8GKI-2270 G/G	JB1885-77 8I/8GKI-5000 G/G
6000	J45V600-80-00	JB1885-77 8I/8GKI-2500 G/G	JB1885-77 8I/8GKI-5350 G/G
6500	J45V650-80-00	JB1885-77 8I/8GKI-2650 G/G	JB1885-77 8I/8GKI-5950 G/G
7000	J45V700-80-00	JB1885-77 8I/8GKI-2750 G/G	JB1885-77 8I/8GKI-6200 G/G