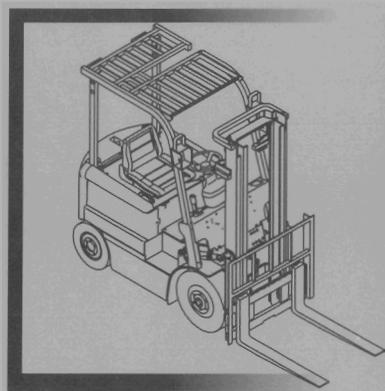


h2000  
SERIES



# 零件目录

## parts manual

H2000系列  
06升级版 **1-1.8t**

蓄电池平衡重式叉车

Counterbalanced  
Electric Forklift Truck

HELI

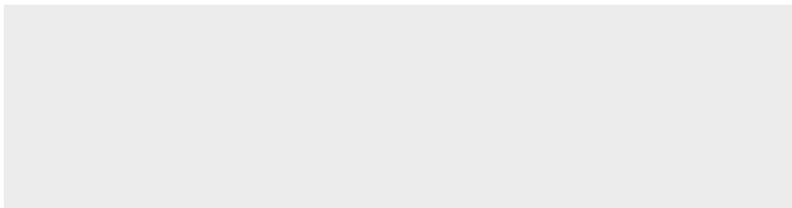
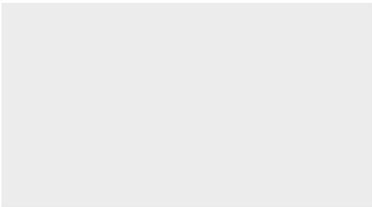
安徽合力股份有限公司  
ANHUI HELI CO., LTD.

零件目录  
parts manual

h2000  
SERIES  
06升级版 1-1.8t

蓄电池平衡重式叉车

Counterbalanced  
Electric Forklift Truck



**HELI**

开发处CI工作室  
CI STUDIO

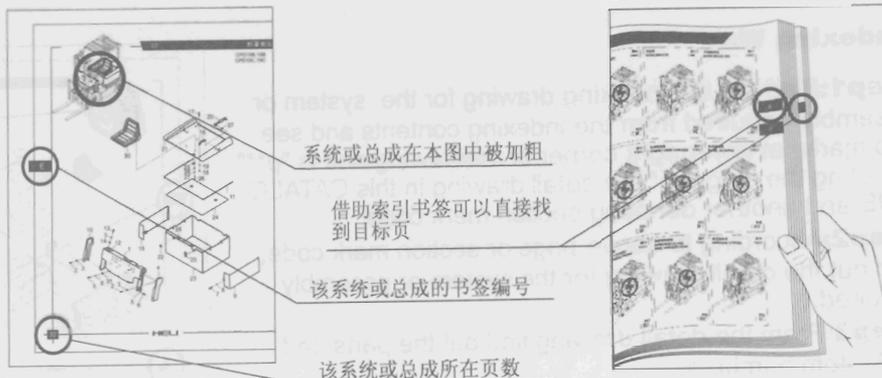


L222-1:2005

# 本零件目录汇集了H2000系列06升级版1-1.8t蓄电池平衡重式叉车的零部件

## 查询方法

- 步骤一：在检索目录中找到系统或总成的检索图，其检索图右下角有两个检索标志。其中“P \*\*”为该图所在页次，另一个为该图的检索书签编号；
- 步骤二：翻至所标页次，找到该图；或者，对照书签，找到该图；
- 步骤三：在其图中找出所需零部件，以及它所标注的序号；
- 步骤四：根据这个序号，在其后附表中可以查到系统或零件的详细信息。



订购零部件时，务请写清叉车的型号、出厂编号、所需零部件的图号及订购数量

在维修时，请使用正规渠道（安徽合力股份有限公司配件分公司）提供的本公司零部件，以确保叉车质量

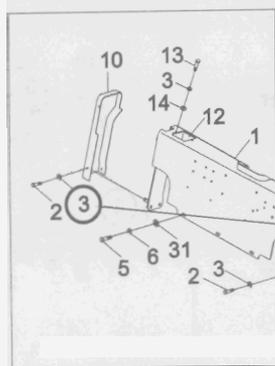
恕不能将本产品可能进行的零部件改进在本图册中同时修改，您可以从本公司的销售和配件公司获得最新资料

## 叉车商品编号

CPD 10 - C1



缩写说明	ASS'Y	总成
	H.P.	高压
	L.P.	低压



序号及该系统或总成的全部信息

每一个零部件都有唯一的序号



## 具体车型与电控的对应关系

- CPD10-C1, 15-C1, 18-C1
- CPD10-C2, 15-C2, 18-C2
- CPD10-F1, 15-F1
- CPD10-F2, 15-F2
- CPD10L-C1, 15L-C1, 18L-C1
- CPD10L-C2, 15L-C2, 18L-C2
- CPD10L-F1, 15L-F1
- CPD10L-F2, 15L-F2

- CURTIS
- ZAPI
- CURTIS
- ZAPI
- CURTIS
- ZAPI
- CURTIS
- ZAPI

### Indexing Way

**Step1:** Find out the indexing drawing for the system or assembly required from the indexing contents and see two marks at lower right corner of the drawing: one is "p\*\*" denoting the page of the detail drawing in this CATALOGUE and another denoting section mark code.

**Step2:** According to above page or section mark code, find out the detail drawing for the system or assembly required.

**Step3:** From the detail drawing, find out the parts and their item numbers

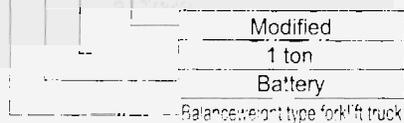
**Step4:** According to these item numbers, find out details of these parts of the system or assembly from attached table.

**When ordering the parts or components, please indicate the model and series number of the your forklift truck, the drawing number of parts or components you require and their quantity.**

**When you replace parts or components, please apply the real goods made by our company (Spare Parts Sub-company of Anhui HELI Co.,Ltd) to ensure the truck's quality.**

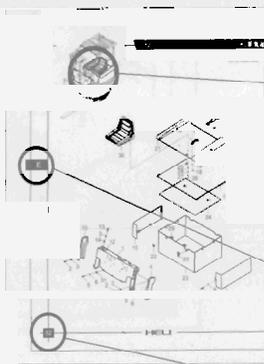
**We reserve modification right without notice Designations in the CATALOGUE**

CPD 10 - C1



### Abbreviations in the CATALOGUE

ASS'Y assembly  
H.P. High pressure  
L.P. low pressure

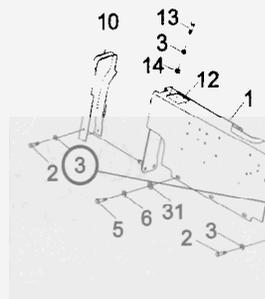
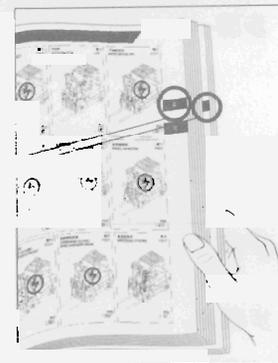


This system or assembly is within the coarse solid line circle.

With a aid of the section mark code, the page required may be found

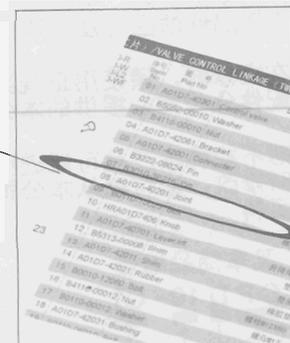
This section mark code denotes the position of the system or assembly drawing in this CATALOGUE

This page code denotes this system or assembly drawing shows on the page



According to these item numbers, find out details of these parts or the system from attached table

Every part or componet in the drawing is expressed with only item number

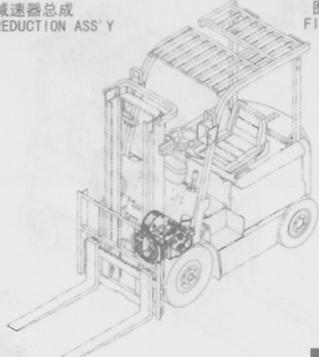
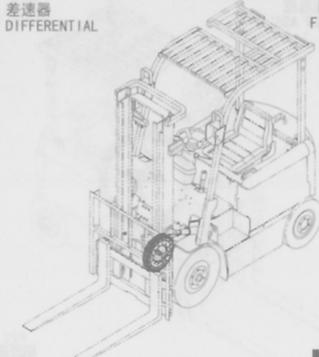
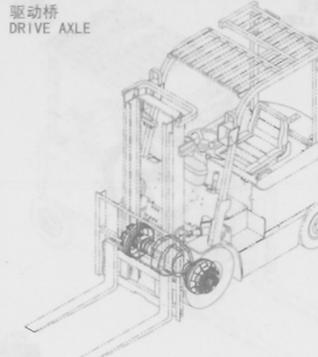
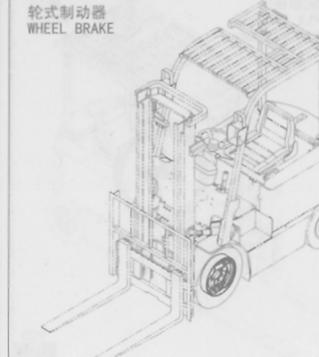
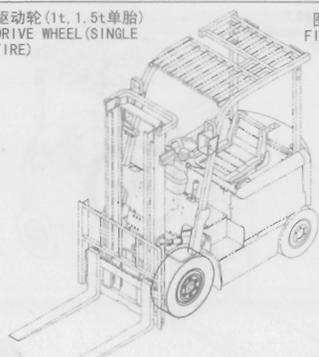
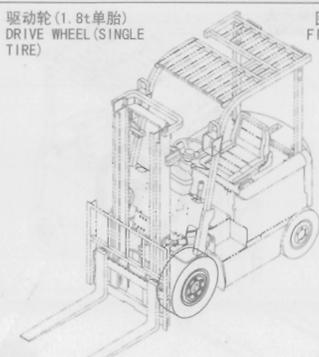
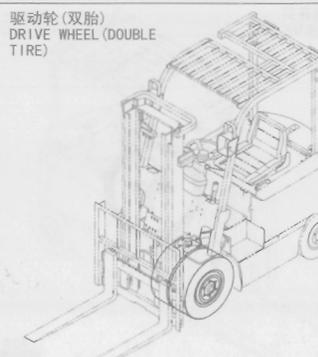
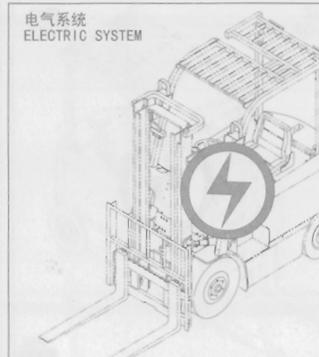
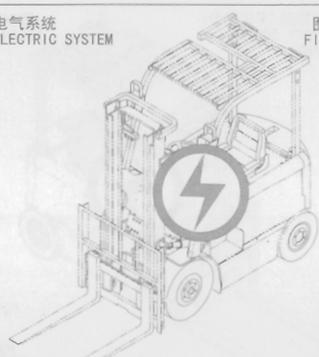
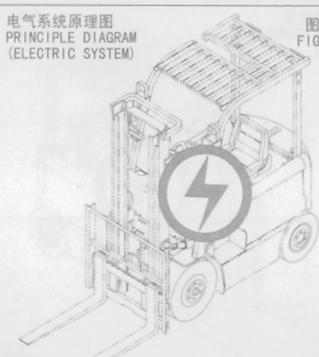
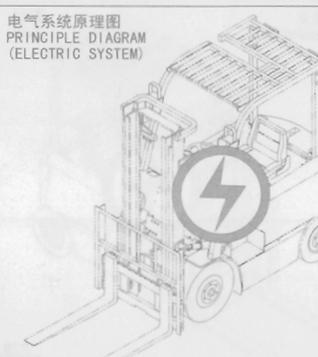
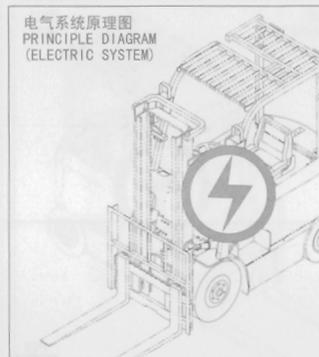


### The following trucks are provided with corresponding controller

CPD10-C1,15-C1,18-C1  
CPD10-C2,15-C2,18-C2  
CPD10-F1,15-F1  
CPD10-F2,15-F2  
CPD10L-C1,15L-C1,18L-C1  
CPD10L-C2,15L-C2,18L-C2  
CPD10L-F1,15L-F1  
CPD10L-F2,15L-F2

CURTIS  
ZAPI  
CURTIS  
ZAPI  
CURTIS  
ZAPI  
CURTIS  
ZAPI

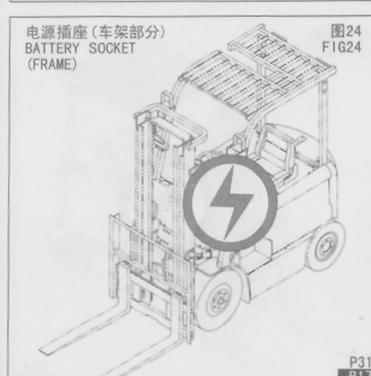
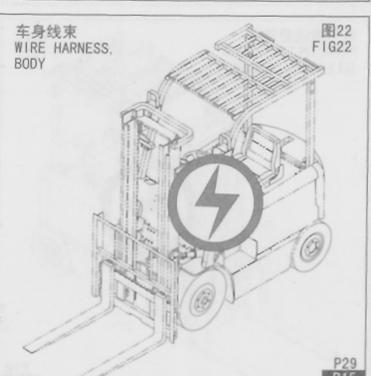
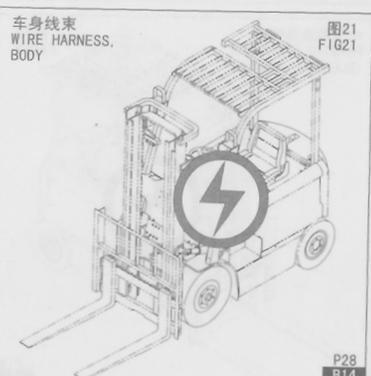
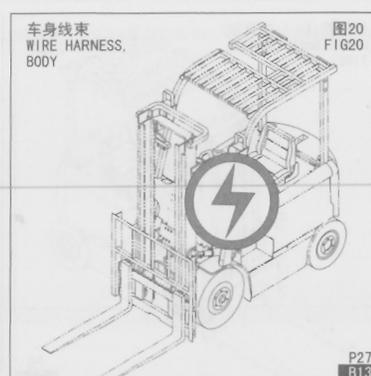
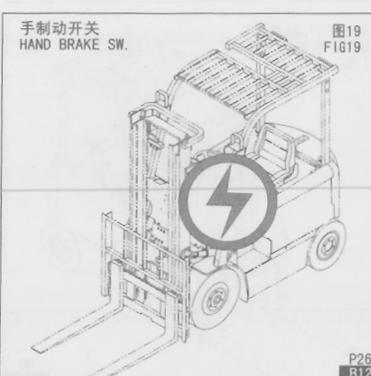
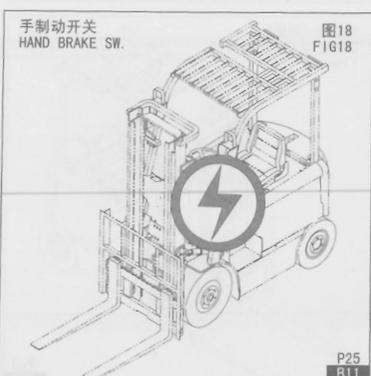
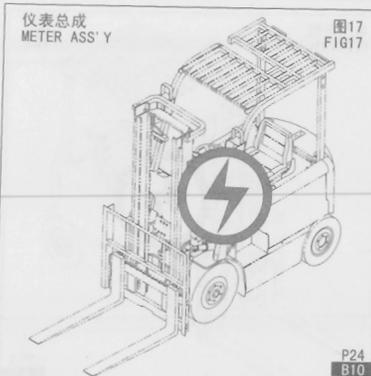
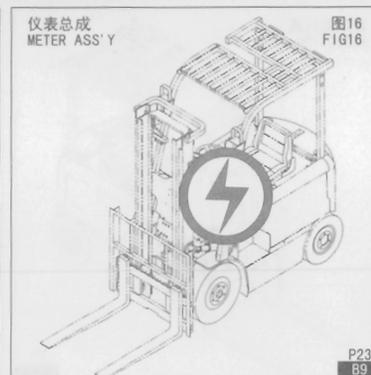
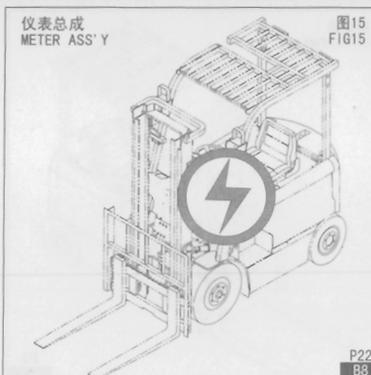
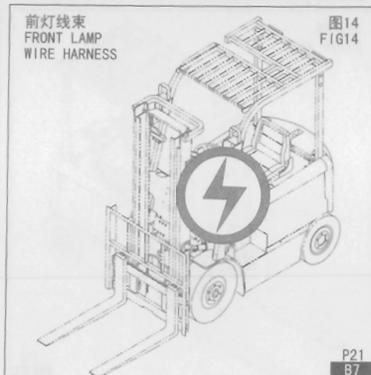
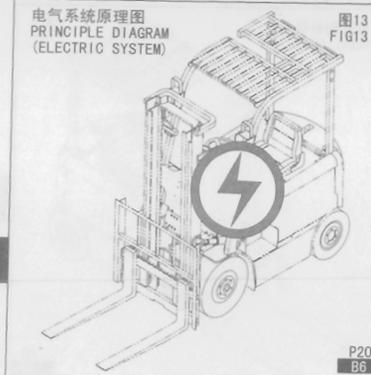
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<p>减速器总成 REDUCTION ASS'Y</p>  <p>图1 FIG1</p> <p>P1 A1</p>	<p>差速器 DIFFERENTIAL</p>  <p>图2 FIG2</p> <p>P3 A2</p>	<p>驱动桥 DRIVE AXLE</p>  <p>图3 FIG3</p> <p>P4 A3</p>	<p>轮式制动器 WHEEL BRAKE</p>  <p>图4 FIG4</p> <p>P6 A4</p>
<p>驱动轮 (1t, 1.5t单胎) DRIVE WHEEL (SINGLE TIRE)</p>  <p>图5 FIG5</p> <p>P8 A5</p>	<p>驱动轮 (1.8t单胎) DRIVE WHEEL (SINGLE TIRE)</p>  <p>图6 FIG6</p> <p>P9 A6</p>	<p>驱动轮 (双胎) DRIVE WHEEL (DOUBLE TIRE)</p>  <p>图7 FIG7</p> <p>P10 A7</p>	<p>电气系统 ELECTRIC SYSTEM</p>  <p>图8 FIG8</p> <p>P11 B1</p>
<p>电气系统 ELECTRIC SYSTEM</p>  <p>图9 FIG9</p> <p>P14 B2</p>	<p>电气系统原理图 PRINCIPLE DIAGRAM (ELECTRIC SYSTEM)</p>  <p>图10 FIG10</p> <p>P17 B3</p>	<p>电气系统原理图 PRINCIPLE DIAGRAM (ELECTRIC SYSTEM)</p>  <p>图11 FIG11</p> <p>P18 B4</p>	<p>电气系统原理图 PRINCIPLE DIAGRAM (ELECTRIC SYSTEM)</p>  <p>图12 FIG12</p> <p>P19 B5</p>

A

B

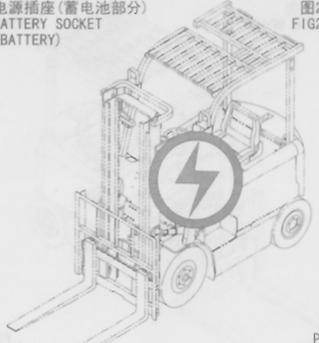
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# 目录 INDEX

电源插座 (蓄电池部分)  
BATTERY SOCKET  
(BATTERY)

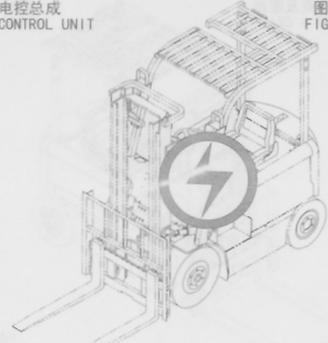
图25  
FIG25



P32  
B18

电控总成  
CONTROL UNIT

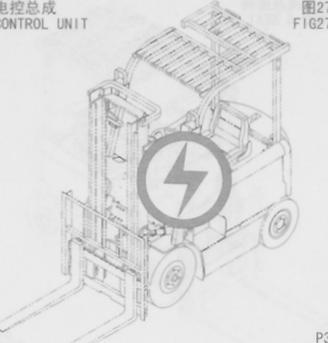
图26  
FIG26



P33  
B19

电控总成  
CONTROL UNIT

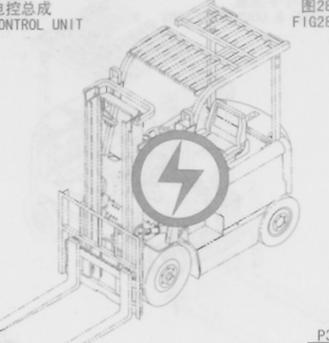
图27  
FIG27



P34  
B20

电控总成  
CONTROL UNIT

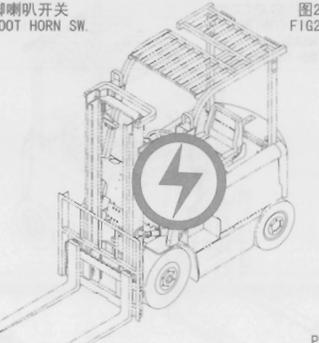
图28  
FIG28



P35  
B21

脚喇叭开关  
FOOT HORN SW.

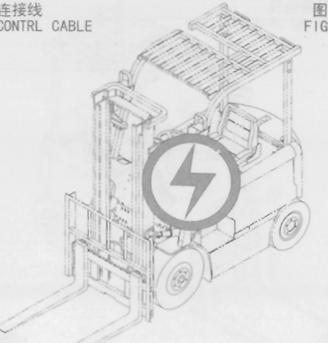
图29  
FIG29



P36  
B22

连接线  
CONTRL CABLE

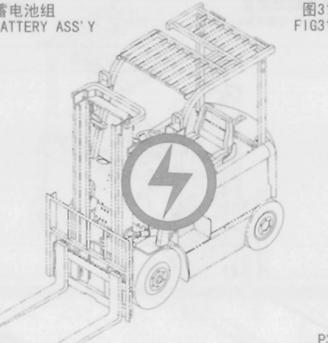
图30  
FIG30



P37  
B23

蓄电池组  
BATTERY ASS'Y

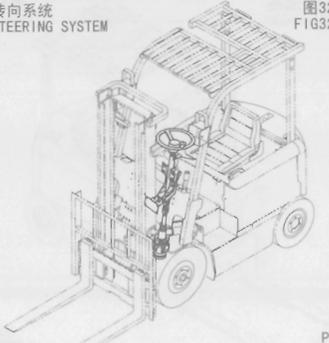
图31  
FIG31



P38  
B24

转向系统  
STEERING SYSTEM

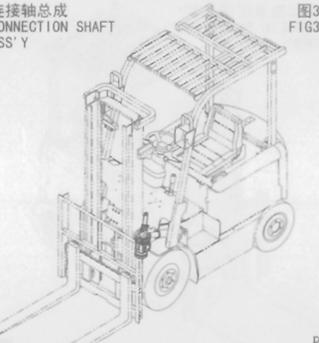
图32  
FIG32



P39  
C1

连接轴总成  
CONNECTION SHAFT  
ASS'Y

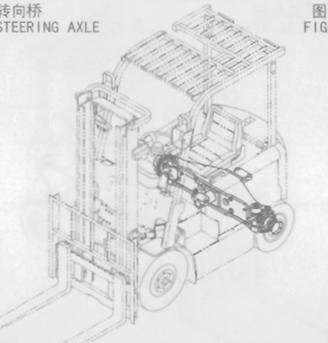
图33  
FIG33



P41  
C2

转向桥  
STEERING AXLE

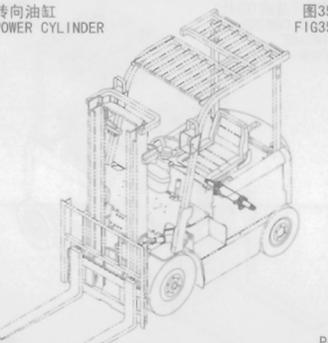
图34  
FIG34



P42  
D1

转向油缸  
POWER CYLINDER

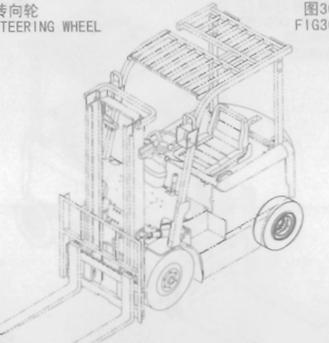
图35  
FIG35



P44  
D2

转向轮  
STEERING WHEEL

图36  
FIG36



P45  
D3

B  
C

D

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车架与平衡重  
FRAME & COUNTERWEIGHT

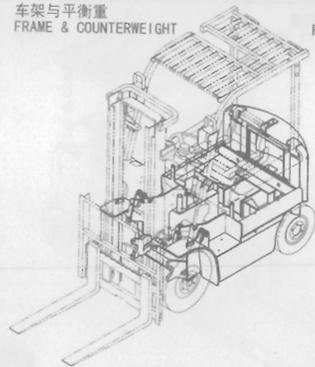


图37  
FIG37

P46  
E1

机罩类及座椅  
HOOD & SEAT

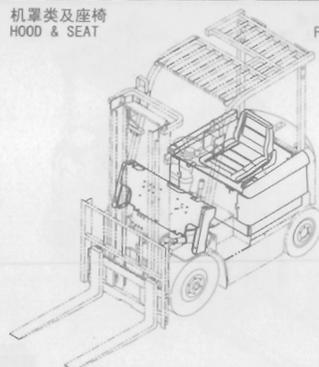


图38  
FIG38

P47  
E2

机罩类及座椅  
HOOD & SEAT

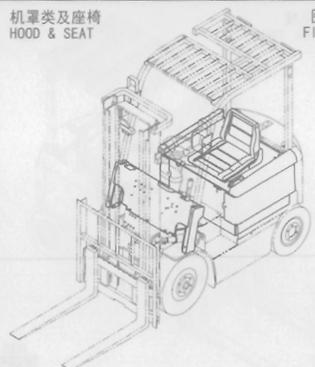


图39  
FIG39

P49  
E3

底板类  
FLOOR BOARD

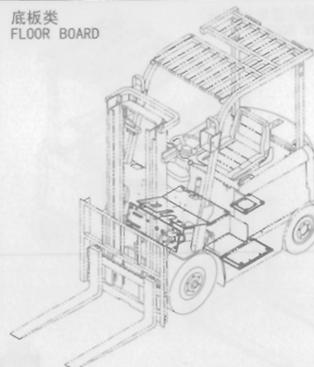


图40  
FIG40

P51  
E4

液压油箱  
OIL TANK

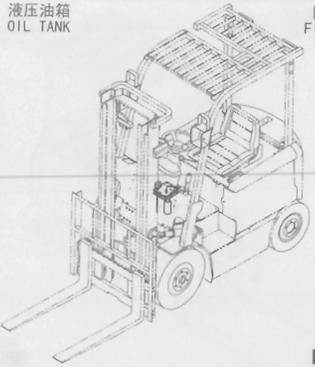


图41  
FIG41

P52  
E5

行车制动装置  
BRAKE CONTROL UNIT

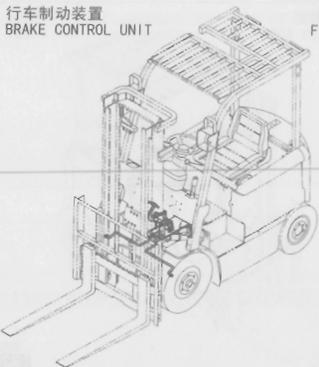


图42  
FIG42

P53  
F1

制动操纵器  
PARKING BRAKE

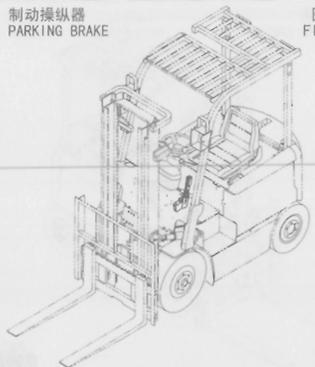


图43  
FIG43

P54  
F2

操纵杆总成(二片)  
VALVE CONTROL  
LINKAGE  
(TWO-THROW)

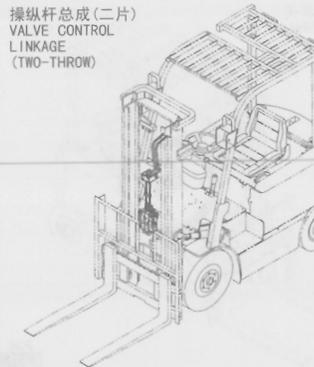


图44  
FIG44

P55  
F3

操纵杆总成(三片)  
VALVE CONTROL  
LINKAGE  
(THREE-THROW)

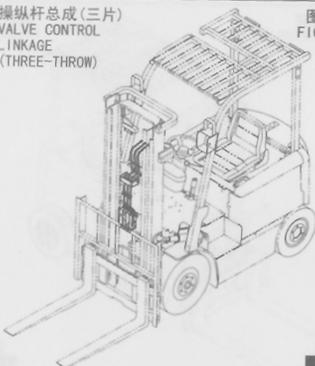


图45  
FIG45

P56  
F4

操纵杆总成(四片)  
VALVE CONTROL  
LINKAGE  
(FOUR-THROW)

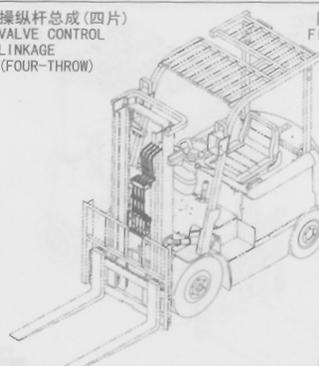


图46  
FIG46

P57  
F5

液压管路系统  
HYDRAULIC SYSTEM

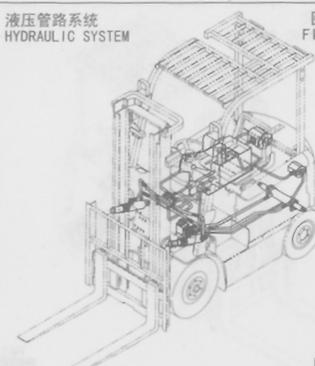


图47  
FIG47

P58  
G1

门架管路系统(基本型)  
HYDRAULIC SYSTEM, MAST  
(NORMAL MAST M)

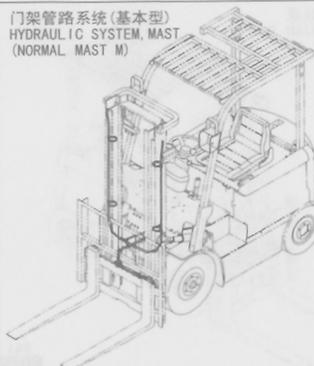


图48  
FIG48

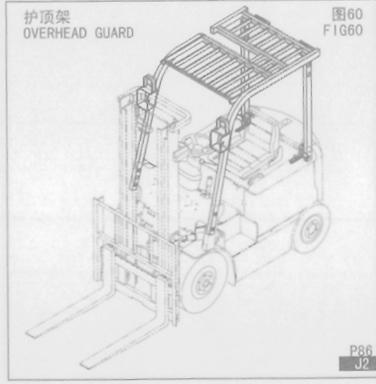
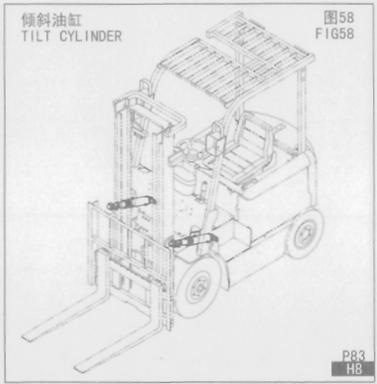
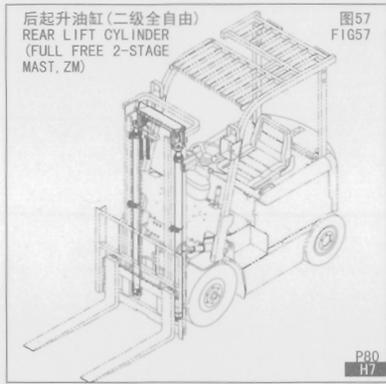
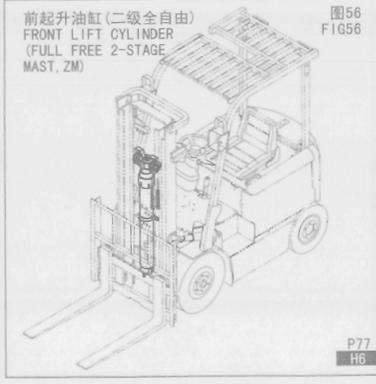
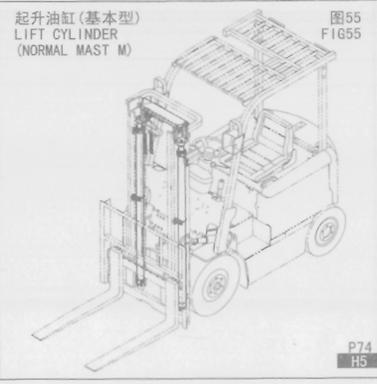
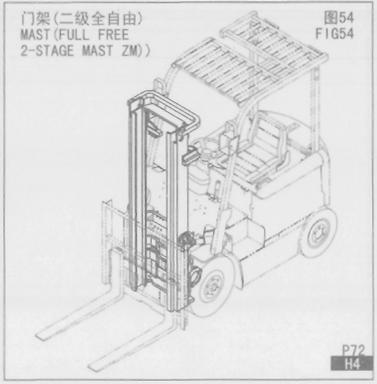
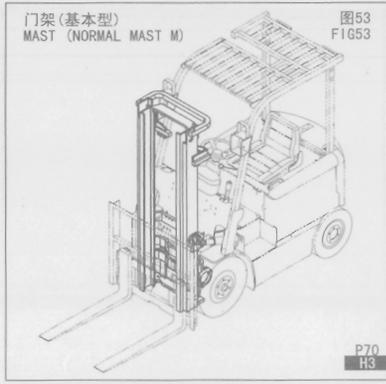
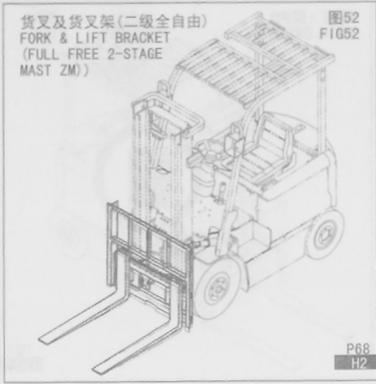
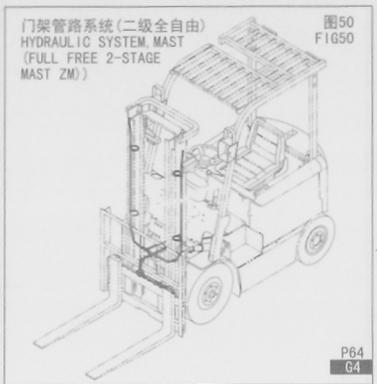
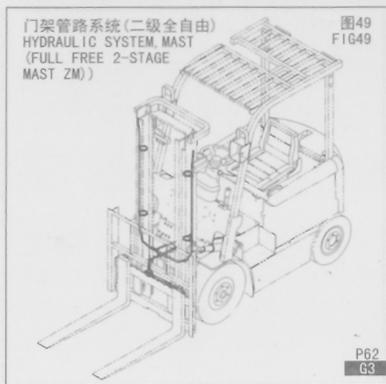
P60  
G2

E

F

G

# 目录 INDEX



G  
H  
J

# 目录 INDEX

标牌 (国内)  
DECAL (HOMELAND)

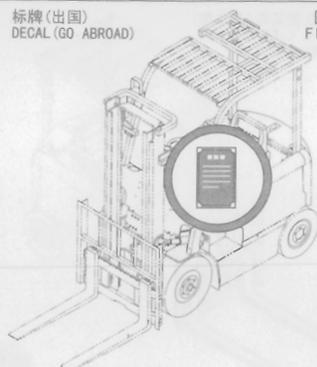
图61  
FIG61



P87  
K1

标牌 (出国)  
DECAL (GO ABROAD)

图62  
FIG62



P88  
K2

图1/FIG1

## 减速器总成/REDUCTION ASS'Y

A1

序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark	CPD10,15,18
01	15D10-00-01	Case, reduction	减速器壳体	1	
02	25592-52001	Packing	垫片	1	
03	B5050-00010	Washer	垫圈10	16	GB93-87
04	B0530-10035	Bolt	螺栓M10X1.25X35	10	GB5786-86
05	B0330-20055	Bolt	螺栓M20X55	2	GB5783-86
06	B4130-00020	Nut	螺母M20	2	GB6170-86
07	B5050-00020	Washer	垫圈20	2	GB93-87
08	B5310-00020	Washer	垫圈20	2	GB97.1-85
09	15D10-00-02	Snap ring	挡环	1	
10	B0530-12030	Bolt	螺栓M12X1.25X30	6	GB5786-86
11	B5050-00012	Washer	垫圈12	6	GB93-87
12	15D10-00-03	Packing	花键套	1	
13	15D10-00-04	Shim, adjust	调整垫片组	2	
14	12492-50101	Decal	机械变速箱标牌	1	
15	B0230-10035	Bolt	螺栓M10X35	6	GB5782-86
16	15D10-10-01a	Gear	螺旋伞齿轮	1	
17	B4832-00033	Nut	螺母M33X1.5	2	GB812-88
18	B5512-00033	Washer	垫圈33	1	GB858-88
19	B5050-00010	Washer	垫圈10	6	GB93-87
20	15D10-10-02	Shim	垫片组	1	
21	15D10-10-03	Shim	垫片组	1	
22	15D10-10-04	Seat, bearing	轴承座	1	
23	Z-7508	Bearing	轴承7508	1	GB297-64
24	15D10-10-05	Spacer	衬套	1	
25	Z0200-04512W	Oil seal	油封PD45X62X12	1	HG4-692-67
26	Z-7507	Bearing	轴承7507	1	GB297-64
27	12003-22051	Cap	轴承盖	2	
28	B0330-10025	Bolt	螺栓M10X25	8	GB5783-86
29	B5050-00010	Washer	垫圈10	8	GB93-87
30	Z6004-07503	O-ring	O形圈75X3.1	2	GB1235-76

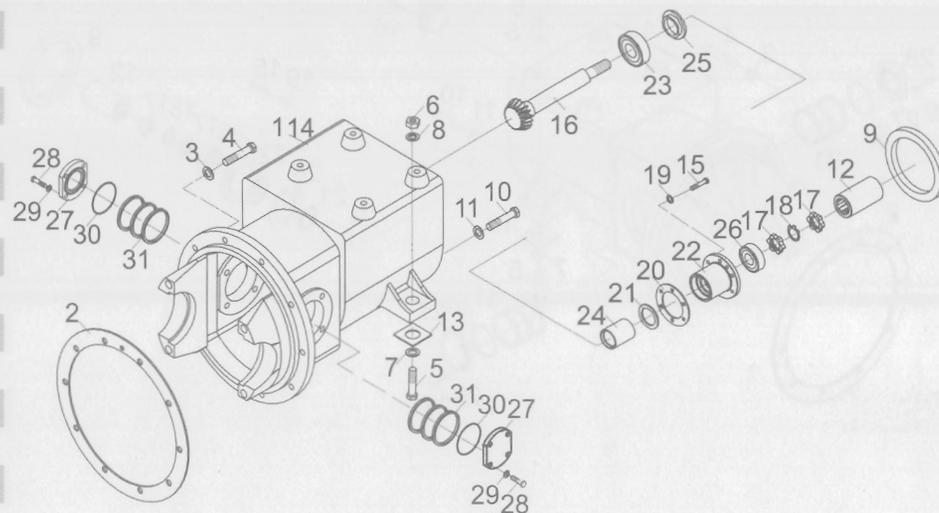
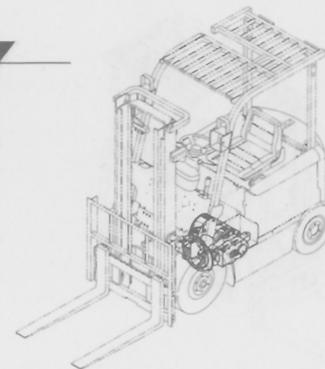


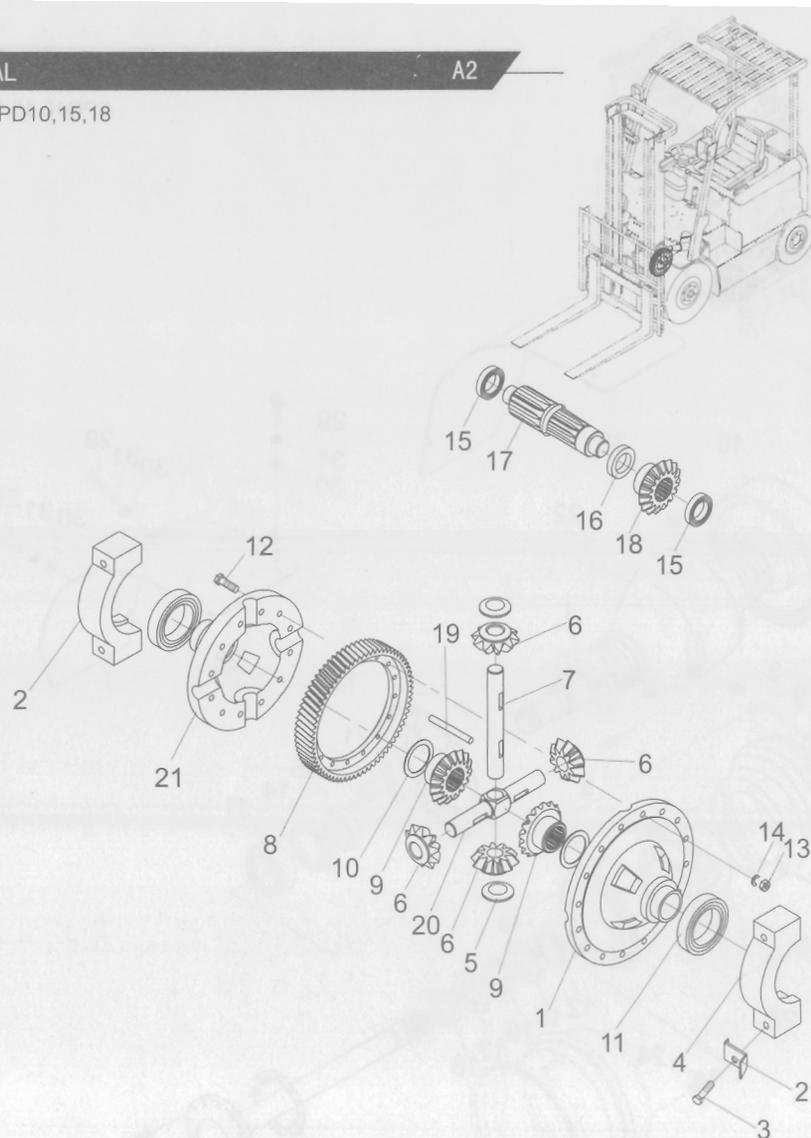


图2/F1G2

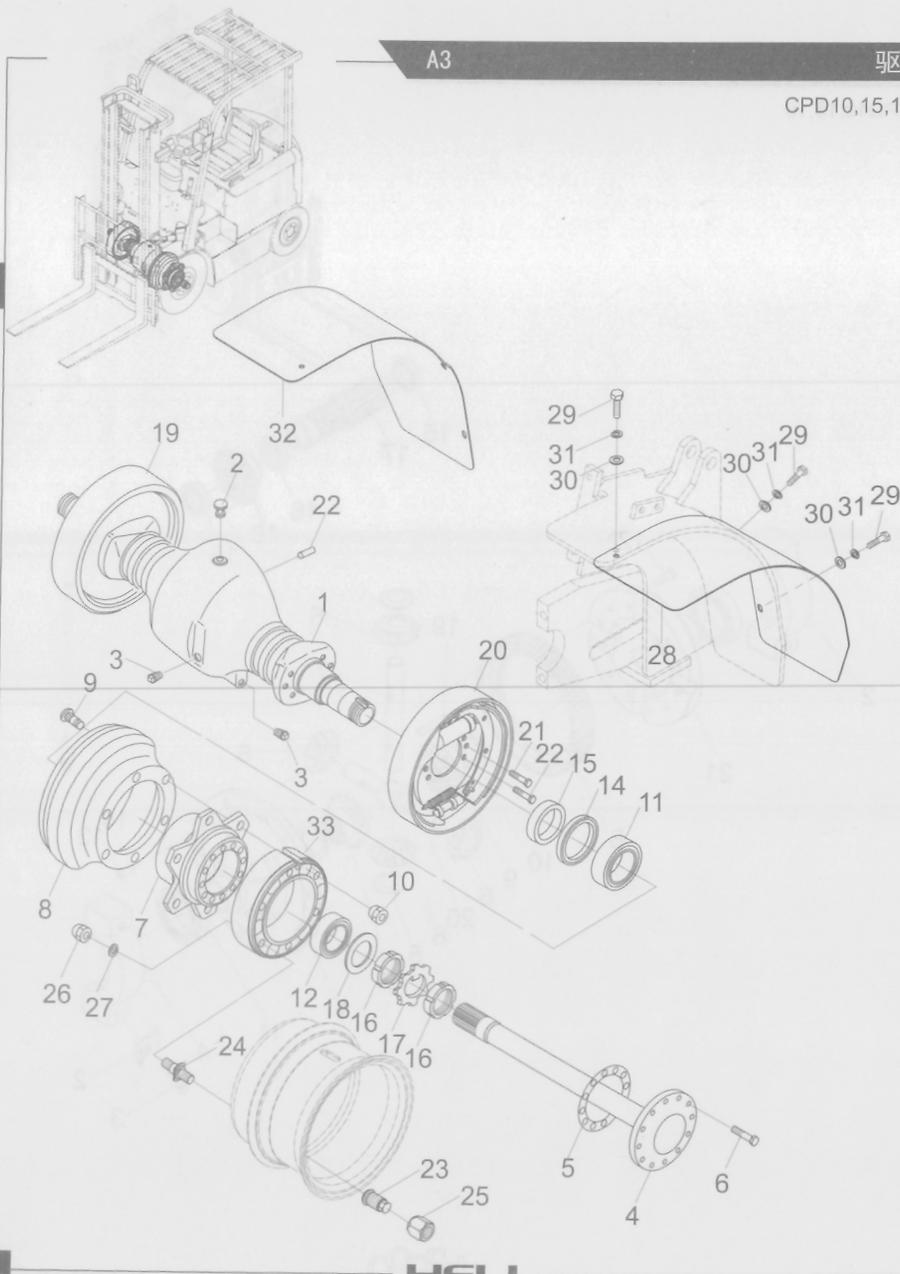
## 差速器/DIFFERENTIAL

A2

序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark	CPD10,15,18
01	15413-52031	Case, Cross(left)	左差速器壳	1	
02	10113-50131	Plate, lock	锁片	4	
03	15413-22021	Bolt	螺栓	4	
04	15413-22011	Bearing seat	轴承座	2	
05	15413-52081	Shim	止推垫圈	4	按需选用
-	15413-52091	Shim	止推垫圈	4	按需选用
-	15413-52101	Shim	止推垫圈	4	按需选用
06	15413-52071	Planet gear	行星齿轮	4	
07	15413-52051	Shaft, pinion	齿轮轴II	1	
08	12003-52011	Gear, ring	齿圈	1	
09	15413-52061	Gear, side	半轴齿轮	2	
10	20113-50181	Shim	垫片	2	按需选用
-	20113-51181	Shim	垫片	2	按需选用
-	20113-52181	Shim	垫片	2	按需选用
-	20113-53181	Shim	垫片	2	按需选用
11	Z-6211	Bearing	轴承6211	2	GB/T276-94
12	15413-52011	Bolt	螺栓	12	
13	B4223-00010	Nut	螺母M10X1.25	12	
14	10113-50141	Plate	锁片	6	
15	Z-32207	Bearing	轴承32207	2	GB/T297-94
16	12003-22041	Spacer	衬套	1	
17	12003-22011	Shaft, pinion	齿轴	1	
18	12083-22031	Gear	螺旋伞齿轮	1	
19	B3120-06024	Pin	销B6X24	1	
20	15413-52041	Shaft	齿轮轴I	1	
21	15413-52021	Case, cross(right)	右差速器壳	1	



CPD10,15,18

序号  
Item  
No图号  
Part No零部件名称  
Description件数  
Q'ty备注  
Remark

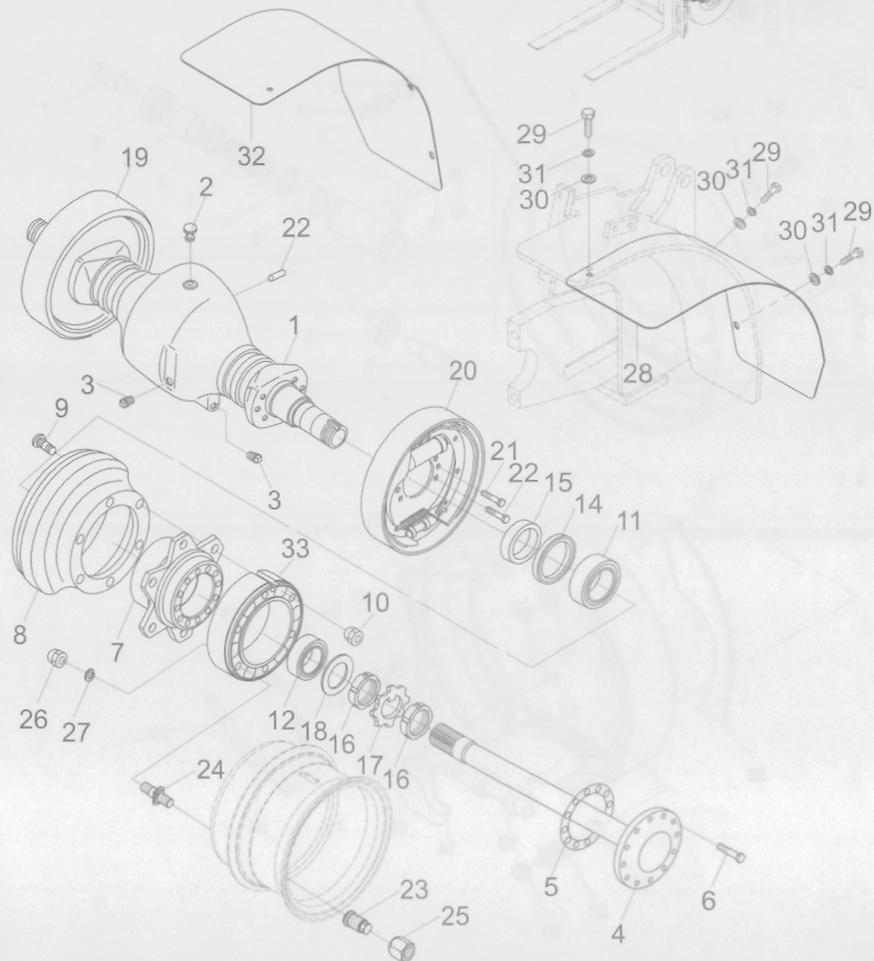
序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark
01	24233-02001	Housing, axle	桥壳	1
02	22253-02061	Plug, rubber	橡皮塞	1
03	22193-03001	Plug	堵塞	2
04	24843-02011	Half, shaft	半轴	2
05	24843-02061	Gasket	垫	2
06	24453-02061	Bolt, reamer	铰制螺栓	16
07	24233-02021aG2	Hub, wheel	轮毂	2
08	24233-02011	Drum, braking	制动鼓	2
09	23654-32042G	Bolt	螺栓	12 单胎 Single tire
-	23654-32051G	Bolt	轮毂螺栓	12 双胎 Double tire
10	23654-34051	Nut	轮毂螺母	12
✓ 11	Z-30213	Bearing	轴承30213	2 GB/T297-94
✓ 12	23453-02071	Bearing & oil seal	轴承油封总成	2
13	23453-72001	Bolt	螺栓	8
✓ 14	Z6311-10014	U-ring	U型密封圈FB100X125X12D	2 GB9877.1-88
15	22513-02051	Snap ring	挡环	2
16	B4735-00060	Nut	圆螺母M60X2	4 GB810-88
17	B5512-00060	Gasket	垫圈60	2 GB858-88
18	23453-02091	Snap ring	垫	2
19	REF000576 21233-70201	Brake ass'y(right)	制动器总成(右)	1
20	REF000576 21233-70301	Brake ass'y(left)	制动器总成(左)	1
21	23453-72031	Bolt	螺栓	4
22	B3130-08026	Pin	销B8X26	1 GB119-86
23	E1193-02081	Nut, hub	柱螺母	12 双胎 Double tire
24	E1193-02011	Bolt	螺栓柱	12 双胎 Double tire
25	B4533-00014	Nut	螺母M14X1.5	12 GB6176-86 双胎 Double tire
26	E1193-02091	Nut, hub	双胎球螺母	12 双胎 Double tire
27	B5050-00014	Washer, lock	垫圈14	12 GB93-87 双胎 Double tire
A	HRA65E3001 A65E3-00211	Stripped-down frame(left) (Inc.29-32)	改制车架(左)	1 双胎 Double tire
-	HRA65E3001 A65E3-00201	Stripped-down frame(Right) (Inc.28-31)	改制车架(右)	1 双胎 Double tire

图3/FIG3

## 驱动桥/DRIVE AXLE

A3

序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark	CPD10,15,18
28	HRA65E3002 A65E3-02011	Fender(left) 挡板一(左)	1	双胎Double tire	
29	B0330-10025	Bolt	6	GB5783-86 双胎Double tire	
30	B5310-00010	Washer	6	GB97.1-85 双胎 Double tire	
31	B5050-00010	Washer,lock	6	GB93-87 双胎 Double tire	
32	HRA65E3002 A65E3-02001	Fender(right) 挡板一(右)	1	双胎 Double tire	
33	E1193-02001	Joint bushing	2	双胎 Double tire	
34	22253-02063c	Breather plug	1		



A

CPD10,15,18

序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark
A	REF000576 21233-70301	Wheel brake ass'y(left) 制动器总成(左)	1	
-	REF000576 21233-70201	Wheel brake ass'y(right) 制动器总成(右)	1	
01	21233-70010G	Back plate ass'y 制动器底板总成	2	
B	21233-70080G	Wheel cylinder ass'y (Inc.2-11) 制动器分泵总成(包含2-11)	2	
02	21233-70090G	Cylinder 制动分泵缸	2	
03	21233-70120G	Spring 分泵弹簧	2	
04	21233-70110G	Cup,piston 分泵皮碗	4	
05	21233-70100G	Piston 分泵活塞	4	
06	21233-70130G	Cover,dust 分泵护罩	4	
07	21233-70140G	Rod,piston 分泵活塞顶杆	4	
08	21233-72141	Cap,screw 分泵放气螺钉罩	2	
09	21233-72131	Screw 分泵放气螺钉	2	
10	24433-76080G	Shroud 螺纹防护罩	2	
11	24433-76070G	Seat,tube 制动分泵油塞	2	
12	21233-70150G	Brake shoe & friction plate ass'y 制动蹄带摩擦片总成	2	
13	21233-70210G	Clearance adjuster 间隙调整器	2	
14	21233-70340G	Pawl 棘爪	2	
15	21233-70320G	Return spring,brake shoe 制动蹄回位弹簧	4	
16	21233-70330G	Guide 导向块	2	
17	21233-70260G	Wire unit,spring 弹簧拉线装置	2	
18	21233-70360G	Spring 弹簧	2	
19	21233-70410G	Guide plate 导向板	2	
20	21233-70430G	Compression spring seat 压簧座	8	
21	21233-70440G	Compression spring 压簧	4	
22	21233-70420G	Pull rod,compression spring 压簧拉杆	4	
23	21233-70380G	Push rod,hand braking 手制动推杆	2	
24	21233-70390G	Spring 弹簧	2	
25	24433-70160G	Shim,spring 弹性垫片	2	
26	24433-70170G	Snap ring,pin axle 杆销挡圈	2	
27	B0230-06016	Bolt 螺栓M6X16	4	GB5782-86

A

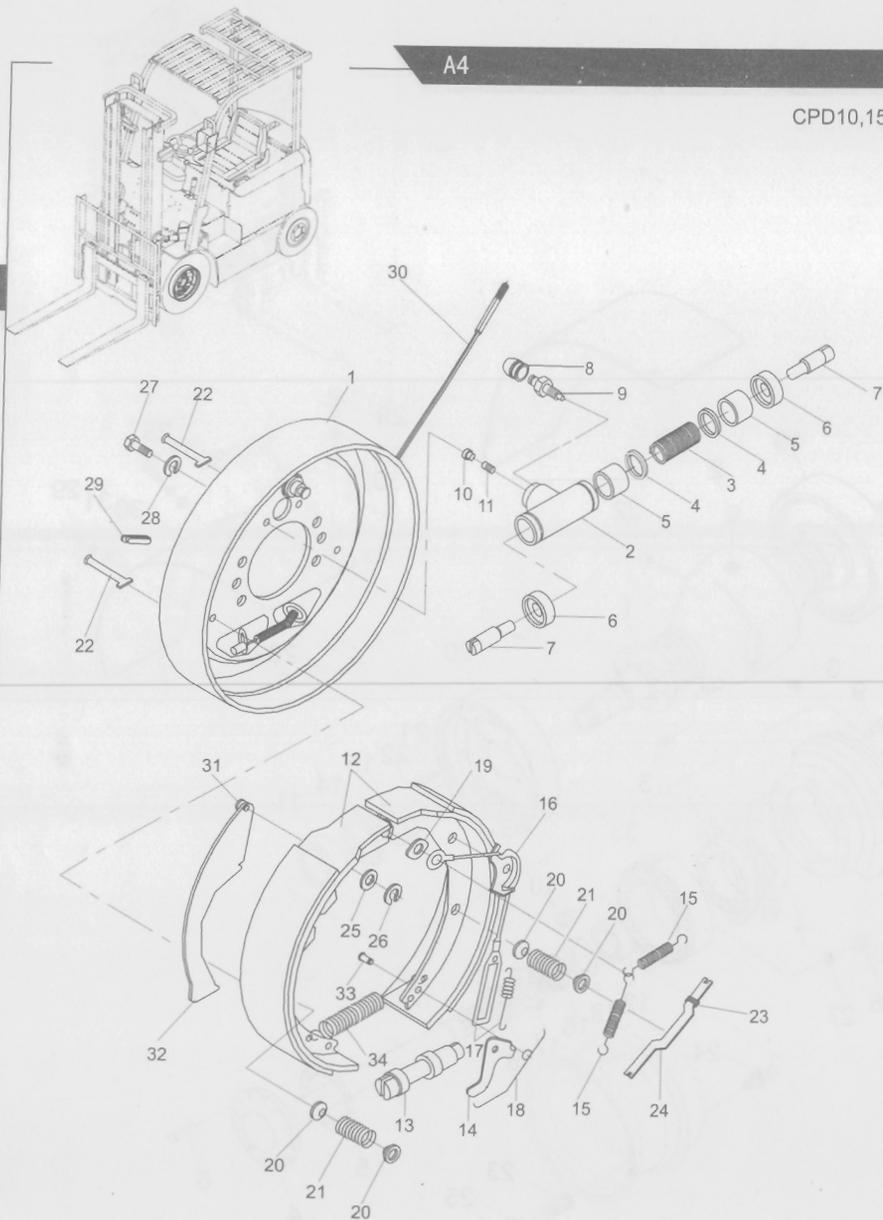
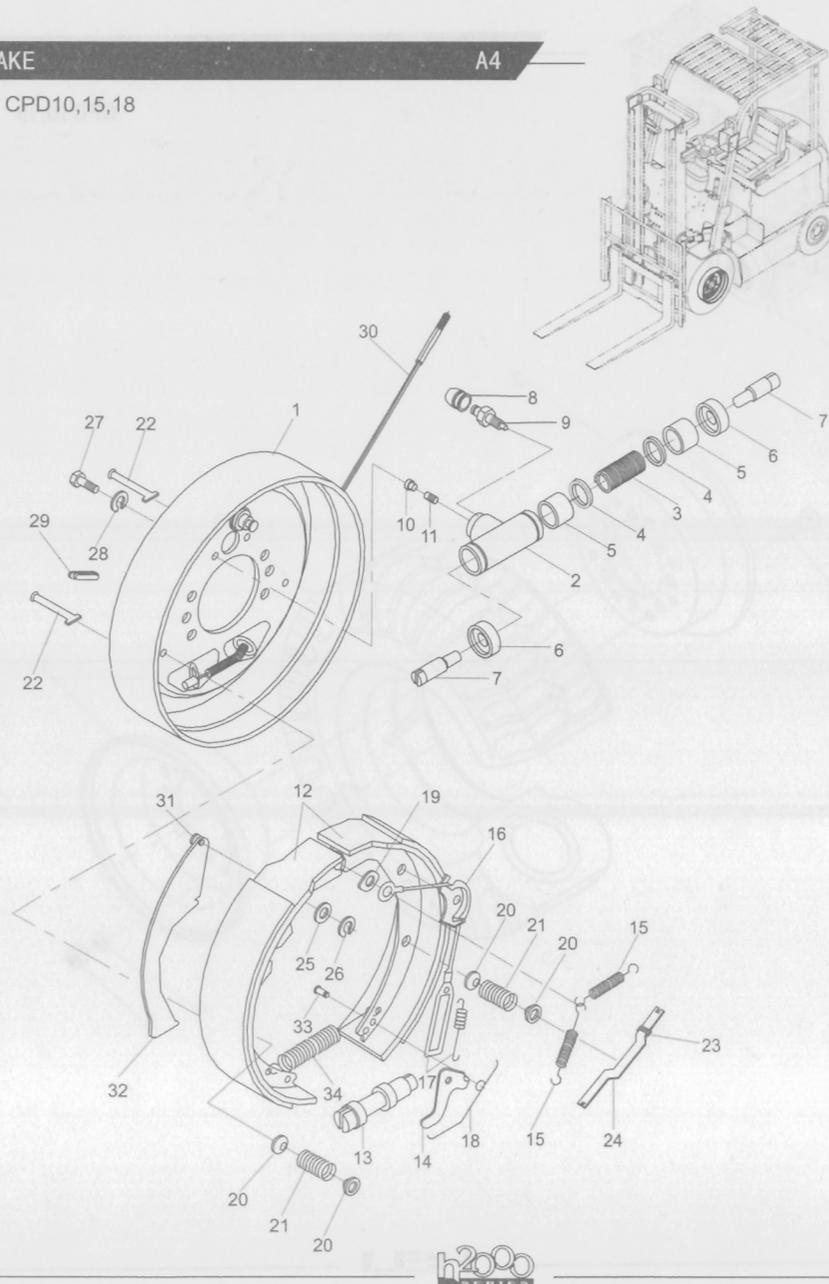


图4/FIG4

## 轮式制动器/WHEEL BRAKE

A4

序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark	CPD10,15,18
28	B5050-00006	Washer,lock	垫圈6	4	GB93-87
29	21233-70450G	Cover	胶堵	4	
30	21195-50020	Cable(right)	制动钢索总成(右)	1	
-	21195-50010	Cable(left)	制动钢索总成(左)	1	
31	21233-70400G	Pin	销钉	2	
32	21233-70370G	Rod	手制动拉杆	2	
33	21233-70310G	Pin	销钉	2	
34	21233-70350G	Return spring	回位弹簧	2	



A





A7

## 驱动轮(双胎) /DRIVE WHEEL (DOUBLE TIRE)

图7/FIG7

CPD10,15,18

序号  
Item  
No图号  
Part No零部件名称  
Description件数  
Q'ty备注  
Remark

序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark
A	E1193-00211	Drive wheel ass'y	2	前轮总成
01	Z3003-65010	Tire	4	轮胎6.5-10-10PR GB2982-82
02	E1193-00221	Rim,inside ass'y	2	内轮辋总成
03	E1193-00241	Pipe	2	充气接管
04	E1193-00231	Rim,outside ass'y	2	外轮辋总成

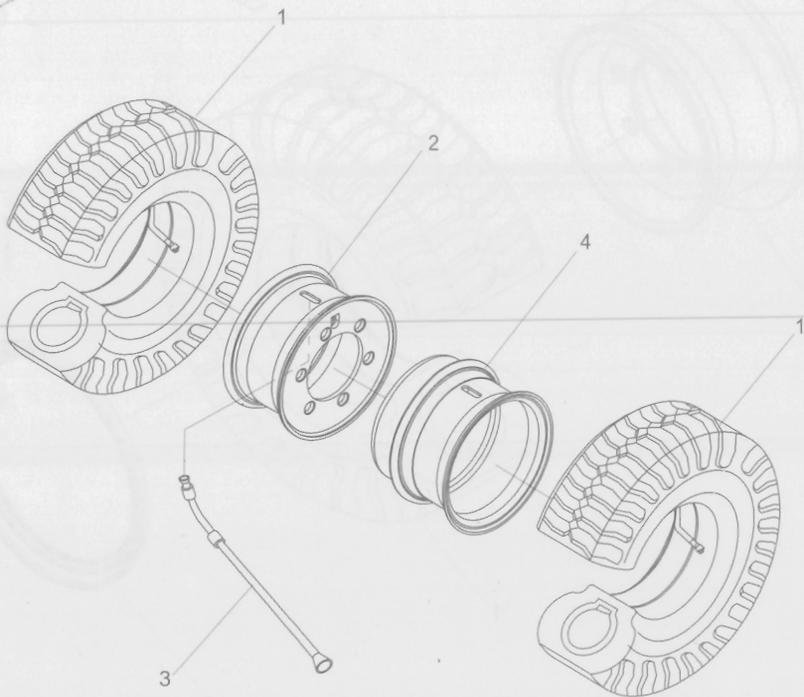
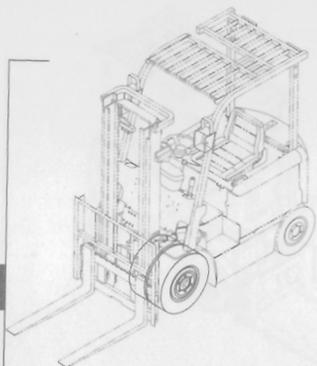


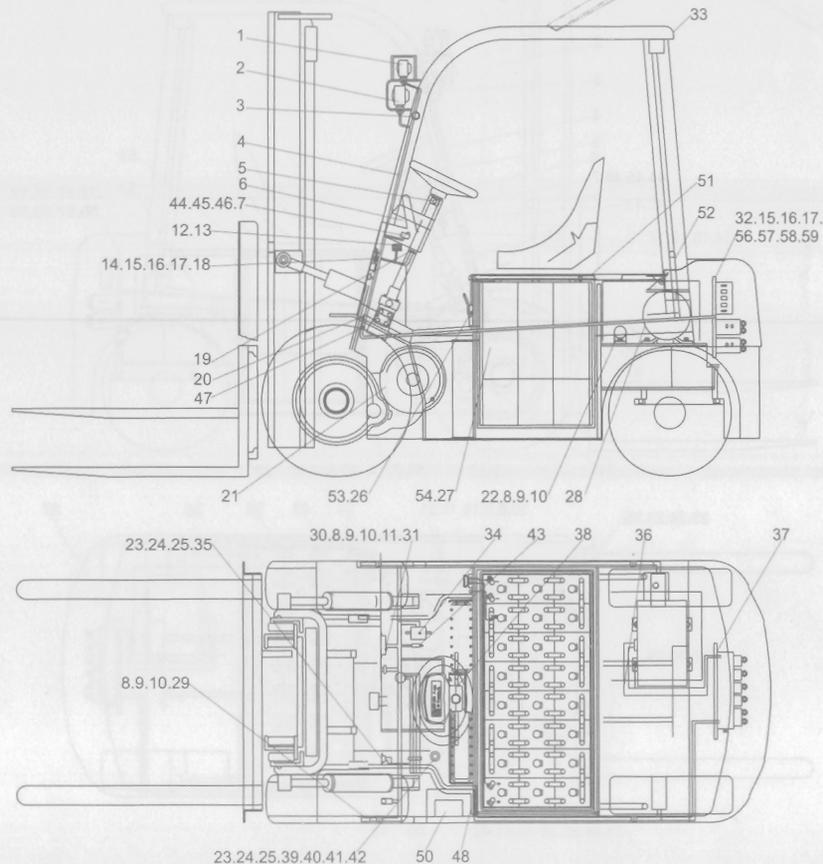
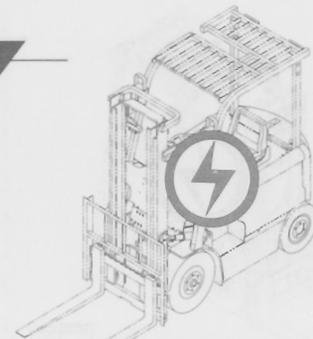
图8/FIG8

## 电气系统/ELECTRIC SYSTEM

[1]

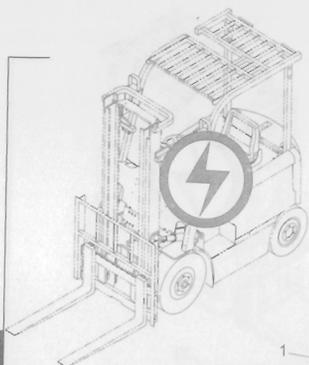
序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark
01	A73J2-42102	Front combination lamp	前小灯 2	
02	A73J2-42202	Head lamp	前大灯12V/35W 2	
03	A22A2-40260*3	Rubber ring	出线胶圈 4	
04	A61S2-41101	Front wire harness	前灯线束 2	See Fig.14
05	Z8730-0802L	Turn signal lamp switch	转向灯开关 (JK802L) 1	
06	A61K2-41801	Meter ass'y	仪表总成 1	See Fig.15
07	A65F2-41201	Hand brake switch	手制动开关 1	See Fig.18
08	B1010-06016	Screw	螺钉M6X16 6	GB65-85
09	B5310-00006	Washer	垫圈6 6	GB97.1-85
10	B5050-00006	Washer,lock	垫圈6 6	GB93-87
11	B4116-00006	Nut	螺母M6 5	GB6170-86
12	A61S2-41201	Fuse box	保险丝盒总成 1	CPD10~18-C1 CPD10,15-F1
-	A67V2-40241	Fuse box	保险丝盒总成 1	CPD10~18L-C1 CPD10,15L-F1
13	D06BX2011C10A	Fuse	片式保险丝 (10A) 4	
14	Z8500-2G129	Horn	喇叭 (DL124ED) 1	
15	B0330-08020	Bolt	螺栓M8X20 1	GB5783-86
16	B5310-00008	Washer	垫圈8 1	GB97.1-85
17	B5050-00008	Washer,lock	垫圈8 1	GB93-87
18	B4116-00008	Nut	螺母M8 1	GB6170-86
19	Z9260-40180	Belt clip	捆扎带 (180型) 15	
20	A6E52-40031	Wire harness,body	车身线束 1	See Fig.20
-	A67V2-40211	Wire harness,body	车身线束 1	See Fig.22 CPD10~18L-C1
21	D02KNDD4001	Travel motor	行走电机 (KNDD4001) 1	韩国PAL电机 Korea PAL motor
-	A69S2-40801	Travel motor	行走电机 1	1.1.5用
-	A69S2-40701	Travel motor	行走电机 1	1.8用
22	A61S2-41301	Back buzzer	倒车蜂鸣器 1	
23	B1010-04020	Screw	螺钉M4X20 5	GB65-85
24	B5323-00004	Washer	垫圈4 5	GB97.1-85
-	B5310-00010	Washer	垫圈4 5	GB97.1-85 CPD10~18L-C1
25	B5050-00004	Washer,lock	垫圈4 5	GB93-87

CPD10,15,18-C1  
CPD10,15,18L-C1  
CPD10,15-F1  
CPD10,15L-F1



CPD10,15,18-C1  
CPD10,15,18L-C1  
CPD10,15-F1  
CPD10,15L-F1

序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark
26	A65S2-41101	Battery socket 电源插座(蓄电池部分)	1	See Fig.25
-	A65S2-41201	Battery socket 电源插座(车架部分)	1	See Fig.24
27	A65S2-40901	Battery ass'y 蓄电池组	1	See Fig.30 CPD10~18-C1
-	A65S2-41401	Battery ass'y 蓄电池组(无漏液孔)	1	See Fig.30 CPD10~18-C1
-	A67S2-40101	Battery ass'y 蓄电池组	1	See Fig.30 CPD10,15-F1
-	A67S2-40201	Battery ass'y 蓄电池组(无漏液孔)	1	See Fig.30 CPD10,15-F1
-	A69V2-40231	Battery ass'y 蓄电池组	1	See Fig.30 CPD10~18L-C1
-	A69V2-40231Y	Battery ass'y 蓄电池组(无漏液孔)	1	See Fig.30 CPD10~18L-C1
-	A6E32-40211	Battery ass'y 蓄电池组	1	See Fig.30 CPD10,15L-F1
-	A6E32-40211Y	Battery ass'y 蓄电池组(无漏液孔)	1	See Fig.30 CPD10,15L-F1
28	A67H2-41201	Lift motor 起升电机	1	1-1.5t
-	A67H2-41301	Lift motor 起升电机	1	1.8t
29	SG152-12V	Flasher unit 电子闪光器	1	
30	HRA61S2402	Lift switch 起升开关	1	二片阀 Two-throw
-	A61S2-40521	Lift switch 起升开关	2	三片阀 Three-throw
-	HRA61S2402	Lift switch 起升开关	3	四片阀 Four-throw
-	A61S2-40531	Lift switch 起升开关	3	四片阀 Four-throw
-	HRA61S2402	Lift switch 起升开关	3	四片阀 Four-throw
-	A61S2-40541	Lift switch 起升开关	3	四片阀 Four-throw
31	B0330-06025	Bolt 螺栓M6X25	2	GB5783-86
32	A6E52-40021	Control unit 电控装置	1	See Fig.26
-	A6E52-40021	Control unit 电控装置	1	See Fig.27
33	D08HZHD	Rear lamp unit 后组合灯	1	
34	A65S2-40601	Accelerator 加速器	1	
35	A61S2-41501	Horn filter 喇叭滤波器	1	
36	Z9230-0000B	Balck sticky belt 黑色粘胶带(FJ-81)	1卷	
37	15D60-00A*59	Silica gel,heat conduction 导热硅脂	50克	
38	A61S2-41601	Direction switch 方向开关	1	CPD10~18-C1 CPD10,15-F1
-	A67V2-40251	Direction switch 电子方向开关	1	GB6170-86 CPD10,15L-F1
39	B4116-00004	Nut 螺母M4	3	CPD10~18L-C1
40	A61S2-40801	Horn switch 脚喇叭开关	1	See Fig.29
41	A73J2-41602	Board 压板	1	
42	A73J2-41702	Rubber cover 橡胶盖	1	



B'

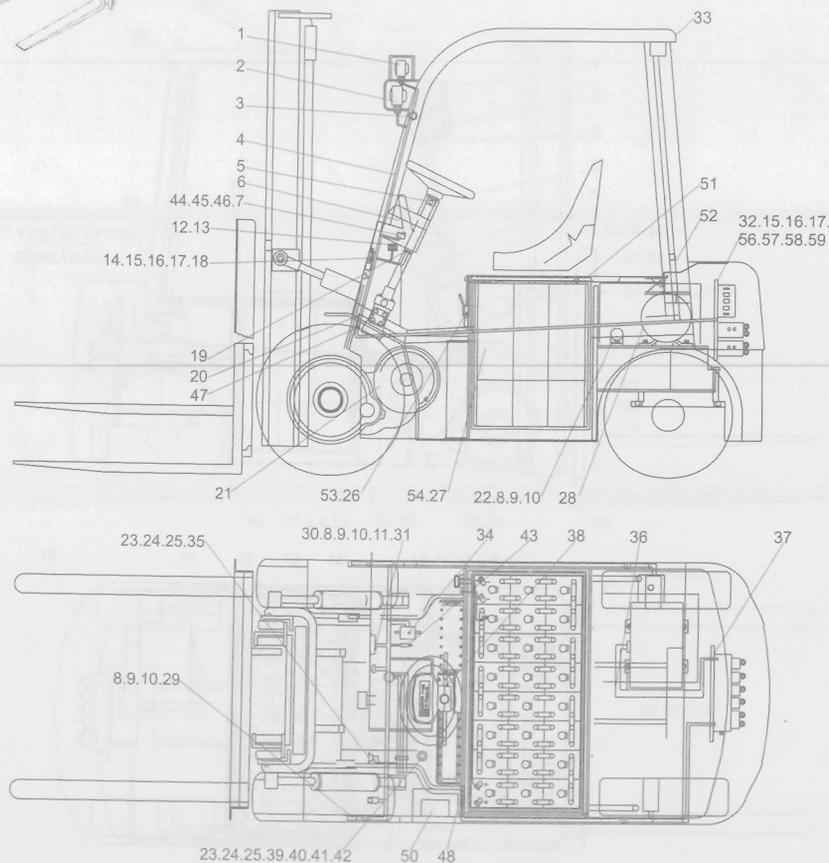


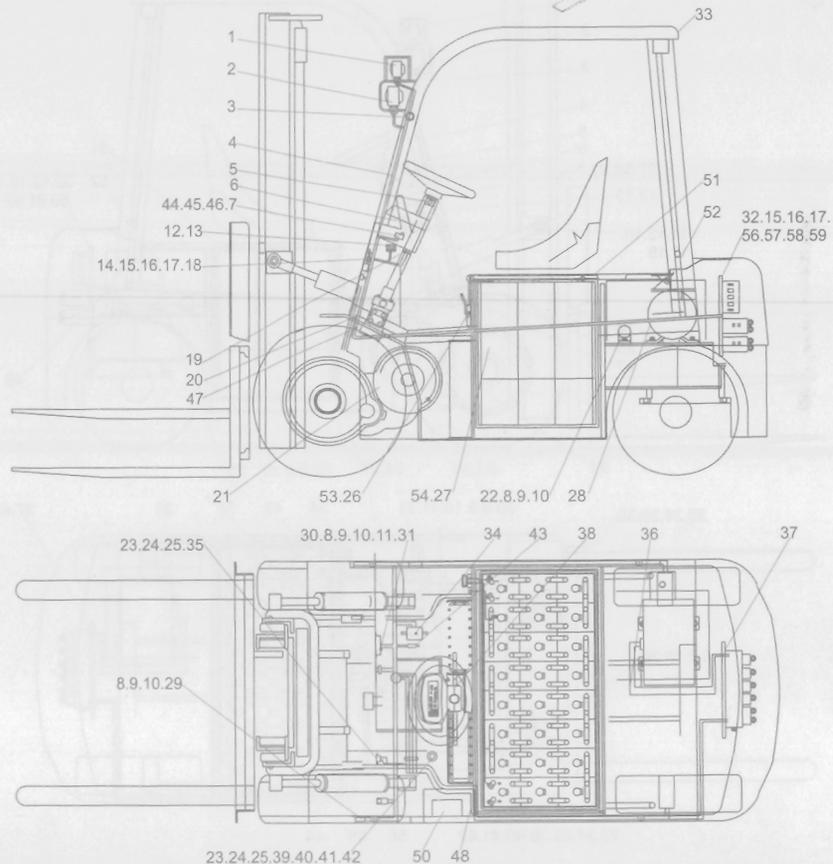
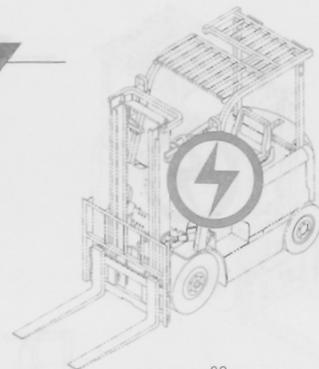
图8/FIG8

## 电气系统/ELECTRIC SYSTEM

B1

序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark
43	25D50-100	Stop lamp switch	1	刹车灯开关
44	B1010-05025	Screw	2	螺钉M5X25
45	B5323-00005	Washer	2	垫圈5
-	B5310-00005	Washer	2	垫圈5
46	B5050-00005	Washer,lock	2	垫圈5
47	A22A2-40260*2	Rubber ring	2	出线胶圈
48	A65S2-40701	Control cable	1	连接线
49	A6E52-40011	Principle diagram	1	电气原理图
-	A67V2-40221	Principle diagram	1	电气原理图
50	A67V2-40231	DC-DC Commutator	1	DC-DC转换器
51	XB2-BS542	Brake SW.	1	急停开关
52	A65E5-10311	Rubber ring	1	出线胶圈
53	25D50-00-04	Rubber ring	1	出线胶圈
54	A71Y2-40281	Caution light	1	旋转式警示灯
-	A71Y2-40291	Caution light	1	闪光式警示灯
55	A6E52-40041	Cable	1	警示灯过渡线束
56	B0330-10035	Bolt	4	螺栓M10X35
57	B5310-00010	Washer	4	垫圈10
58	B5050-00010	Washer,lock	4	垫圈10
59	A69E2-40801	Cooling plate	1	散热板
60	A65S2-41001	Form	1	行车控制器参数设置表
61	A65E6-42181	Rubber	2	橡胶垫

CPD10,15,18-C1  
CPD10,15,18L-C1  
CPD10,15-F1  
CPD10,15L-F1



CPD10,15,18-C2  
CPD10,15,18-L-C2  
CPD10,15-F2  
CPD10,15L-F2

序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark
01	A73J2-42102	Front combination lamp	前小灯	2
02	A73J2-42202	Head lamp	前大灯12V/35W	2
03	A22A2-40260*3	Rubber ring	出线胶圈	4
04	A61S2-41101	Front wire harness	前灯线束	2 See Fig.14
05	Z8730-0802L	Turn signal lamp switch	转向灯开关 (JK802L)	1
06	A6E92-40041	Meter ass'y	仪表总成	1 See Fig.16 CPD10-18-C2 CPD10,15-F2
-	A63S2-40101	Meter ass'y	仪表总成	1 See Fig.17 CPD10-18-C2 CPD10,15L-F2
07	A73J2-40402A	Hand brake switch	Br.Top. 手制动车开关	1 See Fig.19
08	B1010-06016	Screw	螺钉M6X16	2 GB65-85
09	B5310-00006	Washer	垫圈6	3 GB97.1-85
10	B5050-00006	Washer,lock	垫圈6	3 GB93-87
11	B4116-00006	Nut	螺母M6	2 GB6170-86
12	A61S2-41201	Fuse box	保险丝盒总成	1 CPD10-18-C2 CPD10,15-F2
-	A67V2-40241	Fuse box	保险丝盒总成	1 CPD10-18L-C2 CPD10,15L-F2
13	D06BX2011C10A	Fuse	片式保险丝(10A)	4
14	Z8500-2G129	Horn	喇叭 (DL124ED)	1
15	B0330-08020	Bolt	螺栓M8X20	5 GB5783-86
16	B5310-00008	Washer	垫圈8	5 GB97.1-85
17	B5050-00008	Washer,lock	垫圈8	5 GB93-87
18	B4116-00008	Nut	螺母M8	4 GB6170-86
19	Z9260-40180	Belt clip	捆扎带 (180型)	10
20	A6E92-40031	Wire harness,body	车身线束	1 See Fig.21
-	A6E32-40041	Wire harness,body	车身线束	1 See Fig.23
21	D02KNDD4001	Travel motor	行走电机 (KNDD4001)	1 韩国PAL电机 Korea PAL motor
-	A69S2-40801	Travel motor	行走电机	1 1-1.5t用
-	A69S2-40701	Travel motor	行走电机	1 1.8t用
22	A61S2-41301	Back buzzer	倒车蜂鸣器	1 GB65-85
23	B1010-04020	Screw	螺钉M4X20	1 GB97.1-85
24	B5323-00004	Washer	垫圈4	1 GB93-87
25	B5050-00004	Washer,lock	垫圈4	1

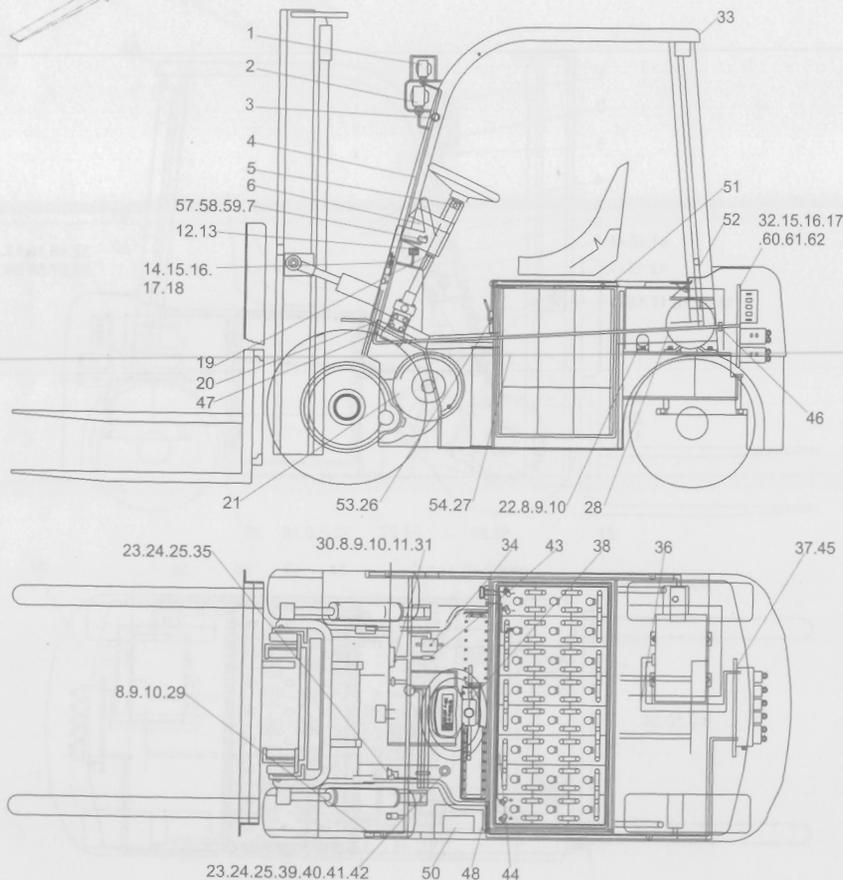
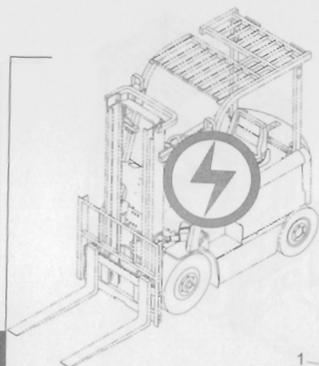


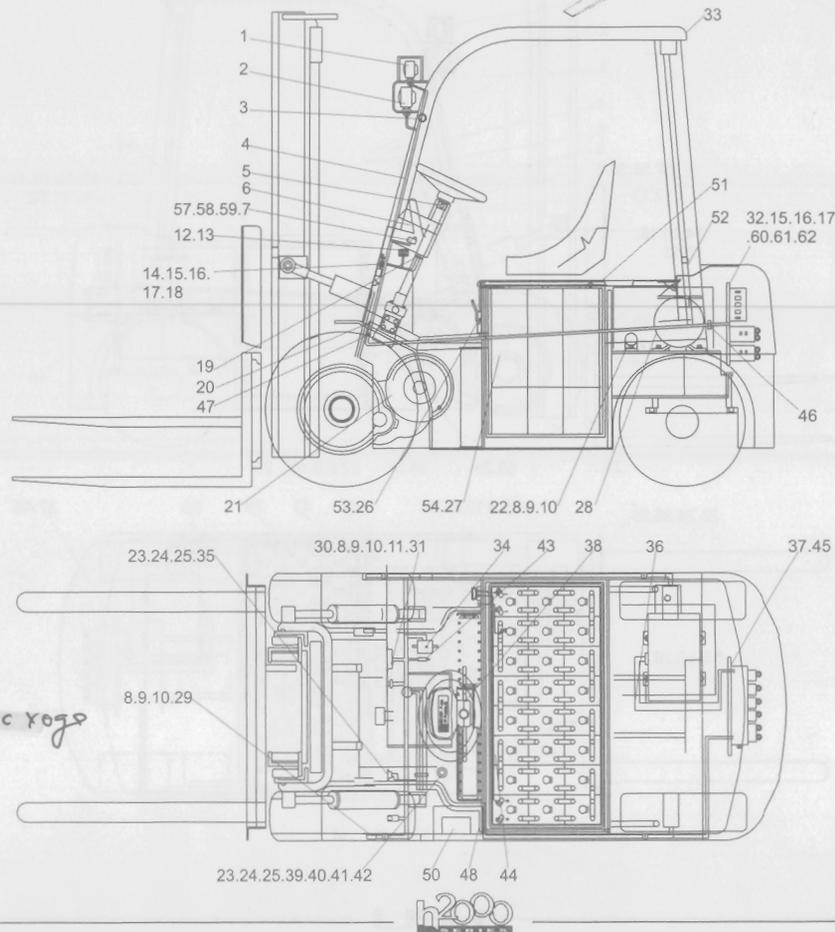
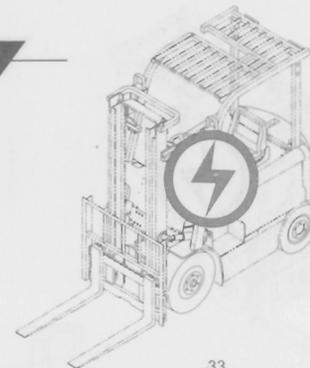
图9/FIG9

## 电气系统/ELECTRIC SYSTEM

B2

序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark
26	A65S2-41101	Battery socket 电源插座(蓄电池部分)	1	See Fig.24
-	A65S2-41201	Battery socket 电源插座(车架部分)	1	See Fig.25
27	A65S2-40901	Battery ass'y 蓄电池组	1	See Fig.30 CPD10~18-C2
-	A65S2-41401	Battery ass'y 蓄电池组(无漏液孔)	1	See Fig.30 CPD10~18-C2
-	A67S2-40101	Battery ass'y 蓄电池组	1	See Fig.30 CPD10,15-F2
-	A67S2-40201	Battery ass'y 蓄电池组(无漏液孔)	1	See Fig.30 CPD10,15-F2
-	A69V2-40231	Battery ass'y 蓄电池组	1	See Fig.30 CPD10~18L-C2
-	A69V2-40231Y	Battery ass'y 蓄电池组(无漏液孔)	1	See Fig.30 CPD10~18L-C2
-	A6E32-40041	Battery ass'y 蓄电池组	1	See Fig.30 CPD10,15L-F2
-	A6E32-40041Y	Battery ass'y 蓄电池组(无漏液孔)	1	See Fig.30 CPD10,15L-F2
28	A67H2-41201	Lift motor 起升电机	1	1-1.5t
-	A67H2-41301	Lift motor 起升电机	1	1.8t
29	SG152-12V	Flasher unit 电子闪光器	1	
30	HRA61S2402 A61S2-40521	Lift switch 起升开关	1	二片阀 Two-throw
-	HRA61S2402 A61S2-40531	Lift switch 起升开关	2	三片阀 Three-throw
-	HRA61S2402 A61S2-40541	Lift switch 起升开关	3	四片阀 Four-throw
31	B0330-06025	Bolt 螺栓M6X25	2	GB5783-86
32	A6E92-40021	Control unit 电控装置	1	See Fig.28 CPD10~18-C2 CPD10,15-F2
-	A6E32-40031	Control unit 电控装置	1	See Fig.28 CPD10~18L-C2 CPD10,15L-F2
33	D08HZHD	Rear lamp unit 后组合灯	1	
34	A71M2-40901	Accelerator 加速器	1	
35	A61S2-41501	Horn filter 喇叭滤波器	1	
36	Z9230-0000B	Balck sticky belt 黑色粘胶带 (FJ-81)	1卷	
37	15D60-00A*59	Silica gel,heat conduction 导热硅脂	50克	
38	A61S2-41601	Direction switch 方向开关	1	
-	A67V2-40251	Direction switch 方向开关	1	GB6170-86
39	B4116-00004	Nut 螺母M4	3	
40	A61S2-40801	Horn switch 脚喇叭开关	1	See Fig.29
41	A73J2-41602	Board 压板	1	
42	A73J2-41702	Rubber cover 橡胶盖	1	

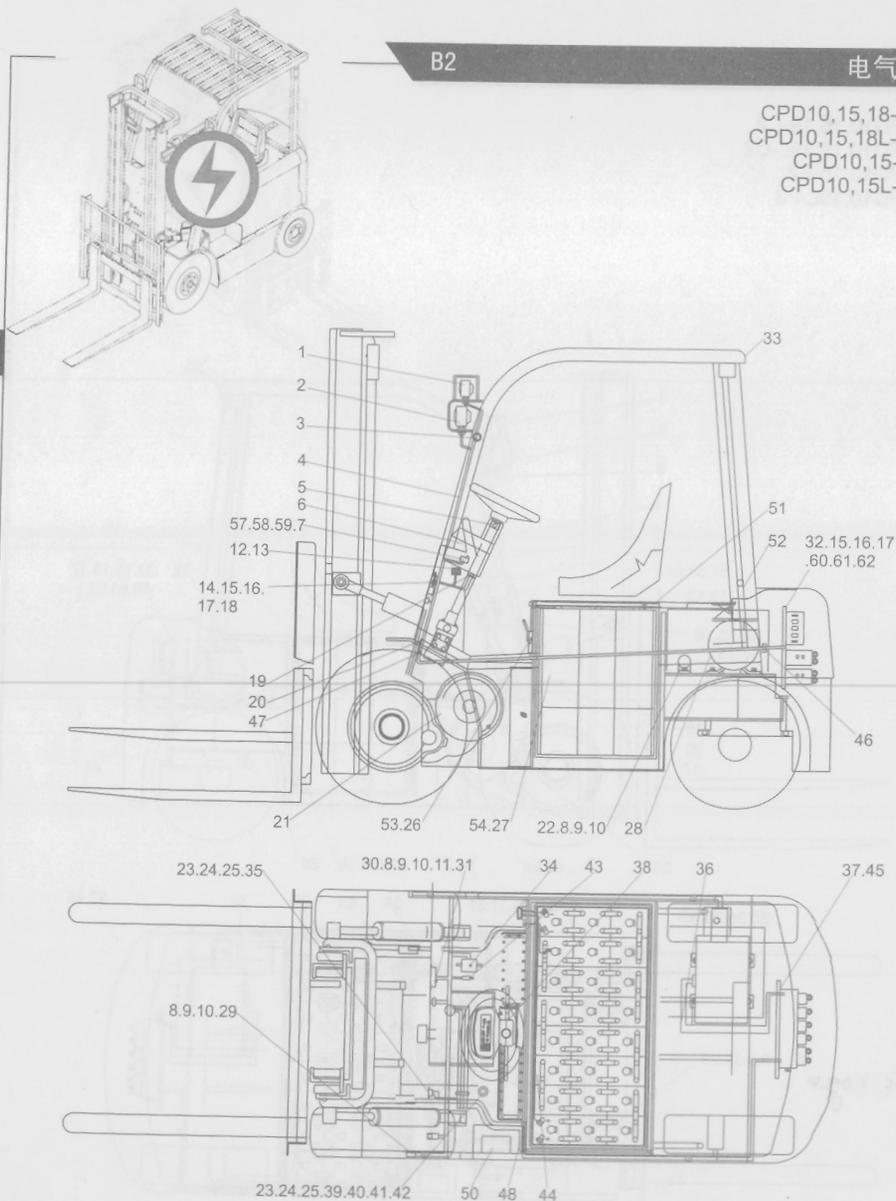
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CPD10,15,18L-C2  
CPD10,15-F2  
CPD10,15L-F2



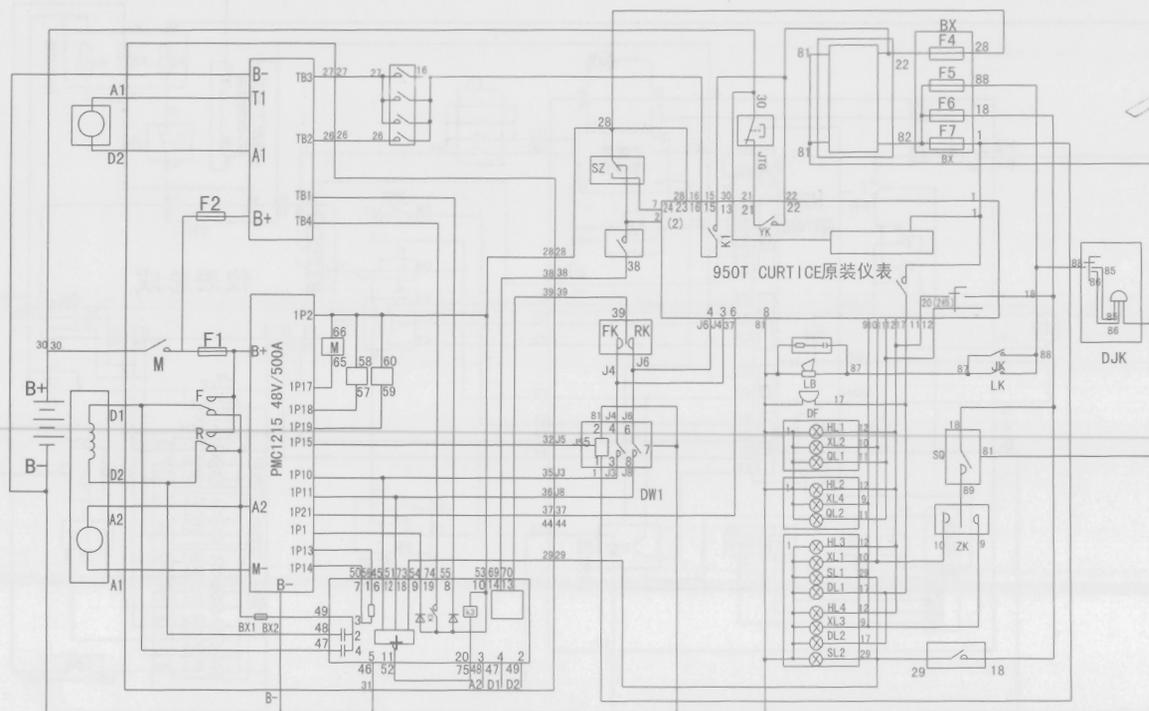
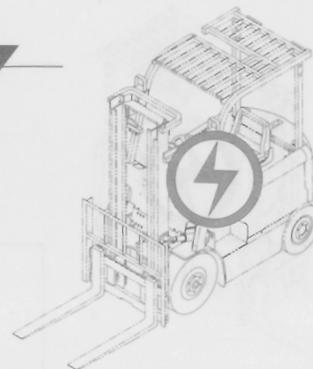
B

CPD10,15,18-C2  
CPD10,15,18L-C2  
CPD10,15-F2  
CPD10,15L-F2

序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark
43	25D50-100	Stop lamp switch 刹车灯开关	1	
44	A69S2-40501	Form 行走控制器参数设置表	1	
45	A65E6-42181	Rubber 橡胶垫	2	
46	A65E2-40501	Rubber ring 橡胶圈	1	
47	A22A2-40260*2	Rubber ring 出线胶圈	4	
48	A65S2-40701	Control cable 连接线	1	See Fig.30 配韩国行走电机
49	A6E92-40011	Principle diagram 电气原理图	1	See Fig.11 CPD10-18-C2 CPD10,15-F2
-	A6E32-40051	Principle diagram 电气原理图	1	See Fig.13 CPD10-18L-C2 CPD10,15L-F2
50	Q74A2-40221	DC-DC Commutator DC-DC转换器	1	CPD10-18-C2 CPD10,15-F2
-	A6E32-40061	DC-DC Commutator DC-DC转换器	1	CPD10-18L-C2 CPD10,15L-F2
51	XB2-BS542	Brake SW. 急停开关	1	
52	A65E5-10311	Rubber ring 出线胶圈	1	选配 Option
53	25D50-00-04	Rubber ring 出线胶圈	1	选配 Option
54	A71Y2-40281	Caution light 旋转式警世灯	1	选配 Option
-	A71Y2-40291	Caution light 闪光式警世灯	1	
55	A6E52-40041	Cable 警世灯过渡线束	1	
56	A65S2-40801	Control cable 连接线	1	See Fig.30 配韩国起升电机
57	B1010-05025	Screw 螺钉M5X5	2	GB65-85 CPD10-18L-C2 CPD10,15L-F2
58	B5323-00005	Washer 垫圈	5	GB97-85 CPD10-18L-C2 CPD10,15L-F2
59	B5050-00005	Washer,lock 垫圈	5	GB93-87 CPD10-18L-C2 CPD10,15L-F2
60	B0330-10035	Bolt 螺栓M10X35	4	GB5783-86 CPD10-18L-C2 CPD10,15L-F2
61	B5310-00010	Washer 垫圈	4	GB97-85 CPD10-18L-C2 CPD10,15L-F2
62	B5050-00010	Washer,lock 垫圈	4	GB93-87 CPD10-18L-C2 CPD10,15L-F2

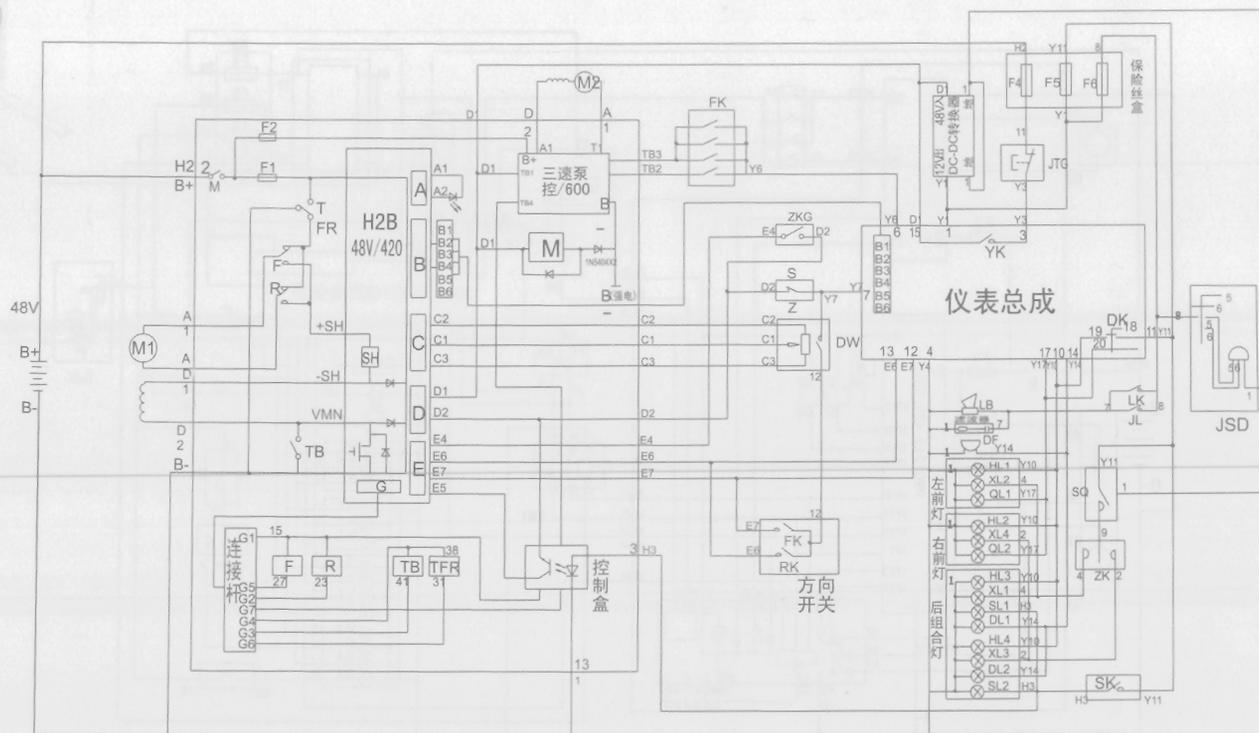


CPD10,15,18-C1  
CPD10,15-F1



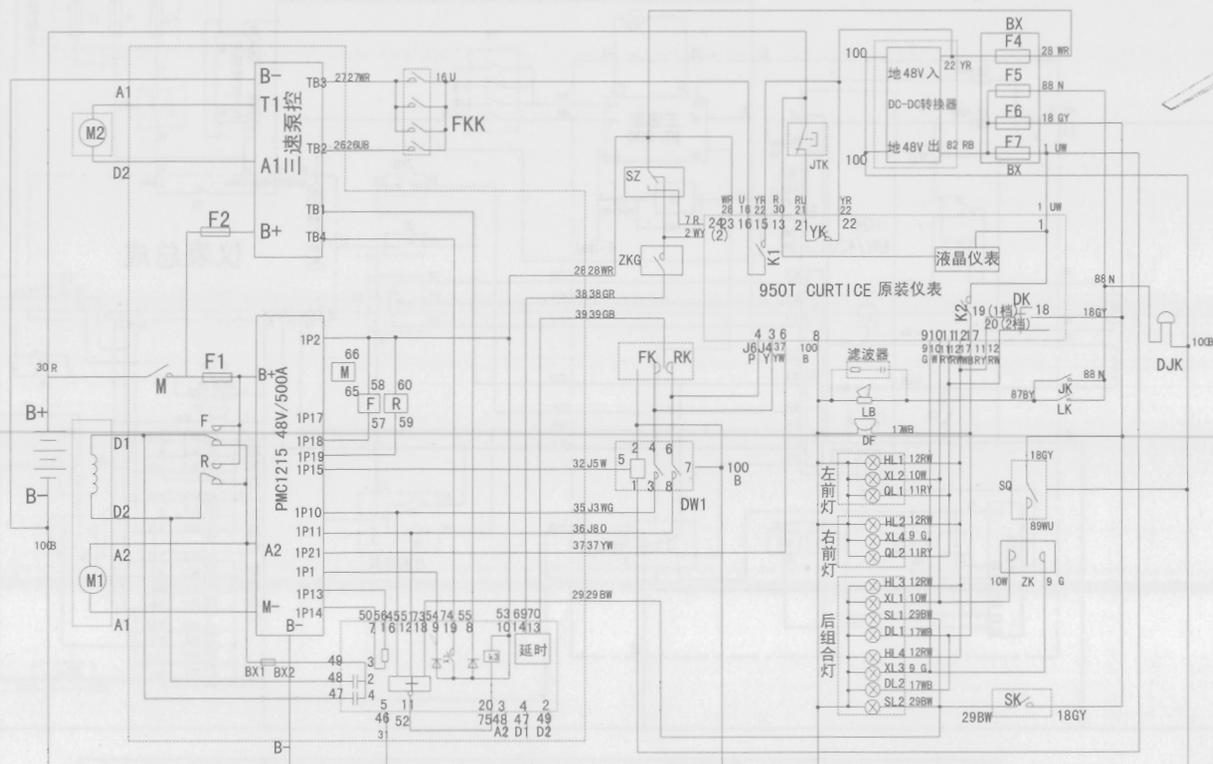
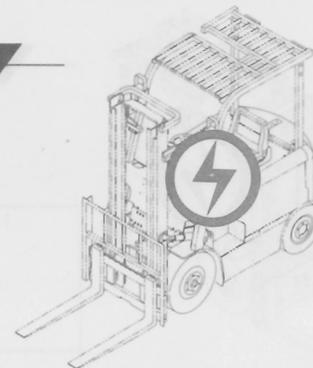
F1	行走熔断器	M	主接触器	JTK	急停开关	SL2	右刹车灯	KL1	左后小灯	LB	喇叭
F2	起升熔断器	F	前进接触器	ZKG	座位开关	XL1	左后转向灯	KL2	右后小灯	DF	倒车蜂鸣器
BX	保险丝盒	R	后退接触器	SZ	手制开关	XL2	左前转向灯	HL1	左示宽灯	K1	欠压保护继电器触点
F4	48V控制熔断器	K3	转向控制继电器触点	FK	前进开关	XL3	右前转向灯	HL2	右示宽灯	K2	倒车蜂鸣器触点
F5	喇叭熔断器	DW1	加速器	RK	后退开关	XL4	右后转向灯	DL1	左倒车灯	DJK	警世灯及开关
F6	灯光熔断器	B	48V蓄电池	FK	阀控开关	QL1	左前大灯	DL2	右倒车灯	SK	刹车灯开关
F7	12V控制熔断器	YK	钥匙开关	SL1	左刹车灯	QL2	右前大灯	SQ	闪光灯	ZK	转向灯开关
JK	脚踏喇叭开关	LK	喇叭开关	M1	行走电机	M2	起升电机	DK	灯光开关		

CPD10,5,18L-C2  
CPD10,15L-F2



F1	行走回路熔断器	TFR	再生接触器	YK	钥匙开关	DW	加速器	XL1, XL2	左转向灯
F2	起升回路熔断器	JTG	急停开关	LK	喇叭开关	M1	行走电机	XL3, XL4	右转向灯
FK	阀控开关	TB	全速接触器	LB	喇叭(12V)	JL	脚喇叭开关	QL1, QL2	前大灯
M2	起升电机	F4	控制回路熔断器(15A)	SQ	闪光器	ZK	转向灯开关	DL1, DL2	倒车灯
DF	倒车蜂鸣器	F5	喇叭回路熔断器(15A)	M	主接触器	F	前进接触器		
ZKG	座位开关	JK	加速开关	SZ	手制动开关	HL1-HL4	示宽灯		
R	后退接触器	F6	灯光回路熔断器(15A)	SK	刹车灯开关	SL1, SL2	刹车灯		

CPD10,15,18-C1  
CPD10,15-F1



F1	行走熔断器	M	主接触器	JTK	急停开关	SL2	右刹车灯	KL1	左后小灯	LB	喇叭
F2	起升熔断器	F	前进接触器	ZKG	座位开关	XL1	左后转向灯	KL2	右后小灯	DF	倒车蜂鸣器
BX	保险丝盒	R	后退接触器	SZ	手制动开关	XL2	左前转向灯	HL1	左示宽灯	K1	欠压保护继电器触点
F4	48V控制熔断器	K3	转向控制继电器触点	FK	前进开关	XL3	右前转向灯	HL2	右示宽灯	K2	倒车蜂鸣器触点
F5	喇叭熔断器	DW1	加速器	RK	后退开关	XL4	右后转向灯	DL1	左倒车灯	DJK	警世灯及开关
F6	灯光熔断器	B	48V蓄电池	FK	阀控开关	QL1	左前大灯	DL2	右倒车灯	SK	刹车灯开关
F7	12V控制熔断器	YK	钥匙开关	SL1	左刹车灯	QL2	右前大灯	SQ	闪光器	ZK	转向灯开关
JK	脚踏开关	LK	喇叭开关	M1	行走电机	M2	起升电机	DK	灯光开关		

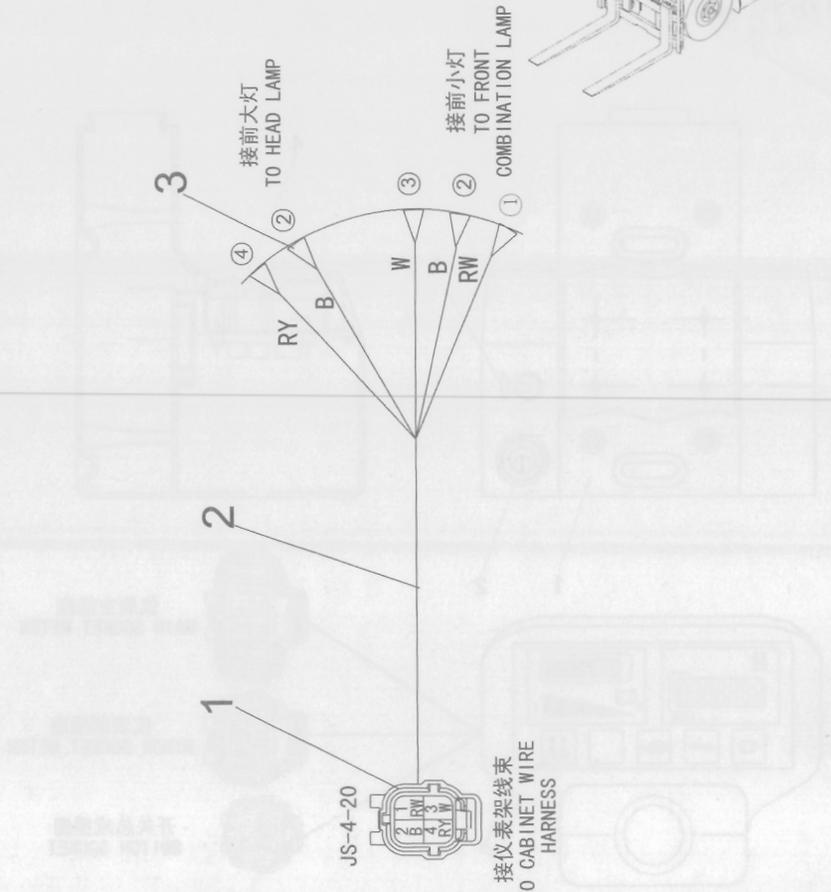


图14/FIG14

前灯线束/Front LAMP WIRE HARNESS

B7

序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark
A	A61S2-41101	Front lamp wire harness 前灯线束	1	
01	Z9005-63B04	4-wire composite socket 四芯复合防水插座	1	
02	FJ-81	Sticky belt 黑色粘胶带	1	
03	Z9010-4B221	Socket 圆形插座	5	



B



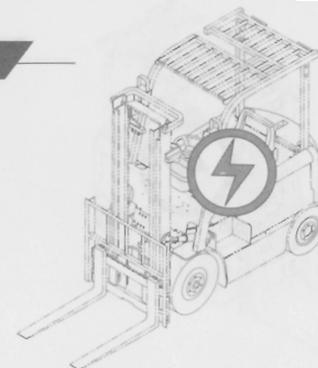
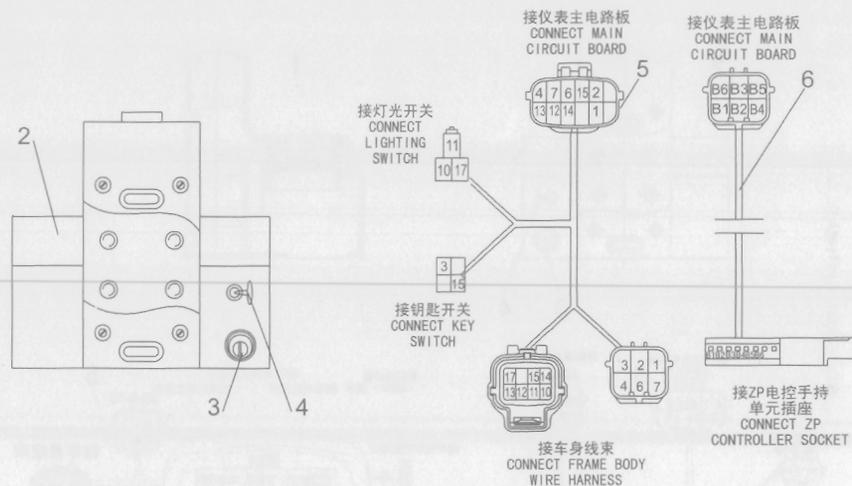
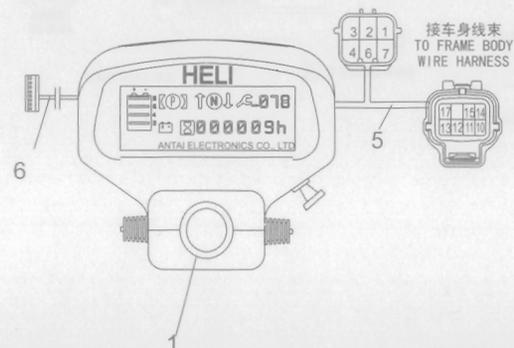
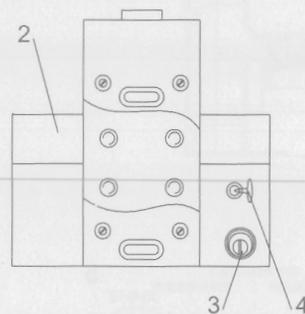


图16/FIG16

仪表总成/METER ASS'Y

B9

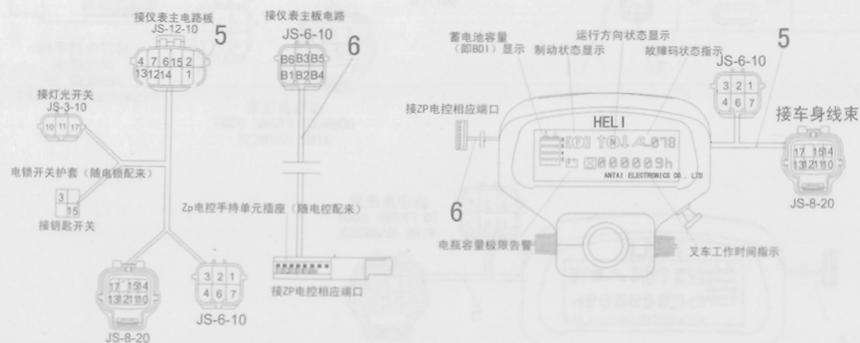
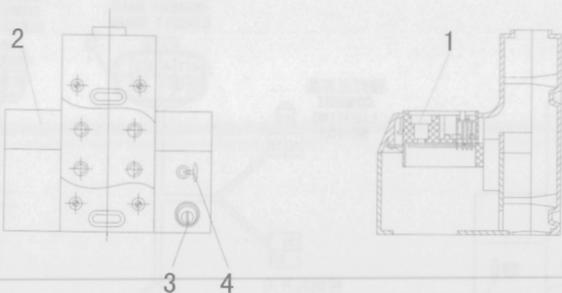
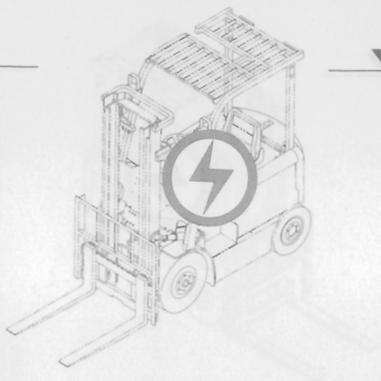
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A	A6E92-40041	Meter ass'y	1	仪表总成
01	TX-HK04	Case, meter	1	仪表外壳
02	JK421	Key switch	1	钥匙开关
03	JK211	Light switch	1	灯光开关
04	ATRB-1	Meter core	1	仪表机芯
05	ATRB-T-XIANSHU	Transmission line	1	仪表主线束
06	ATRB-T-CS	Meter harness	1	电控数据传输线



B

CPD10,15,18L-C2  
CPD10,15L-F2

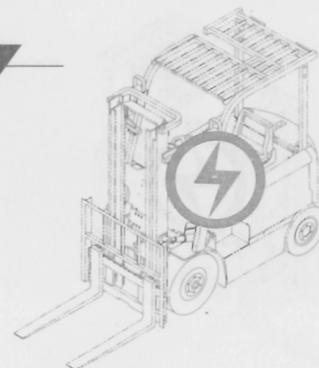
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A	A63S2-40101	Meter ass'y	仪表总成	1	
01	ATRB-T	Meter core	仪表机芯	1	
02	TX-HK04	Case, meter	仪表外壳	1	
03	JK421	Key switch	钥匙开关	1	
04	Jk211	Light switch	灯光开关	1	
05	ATRB-T-XIANSHU	Meter harness	仪表主线束	1	
06	ATRB-T-CS	Transmission line	电控数据传输线	1	



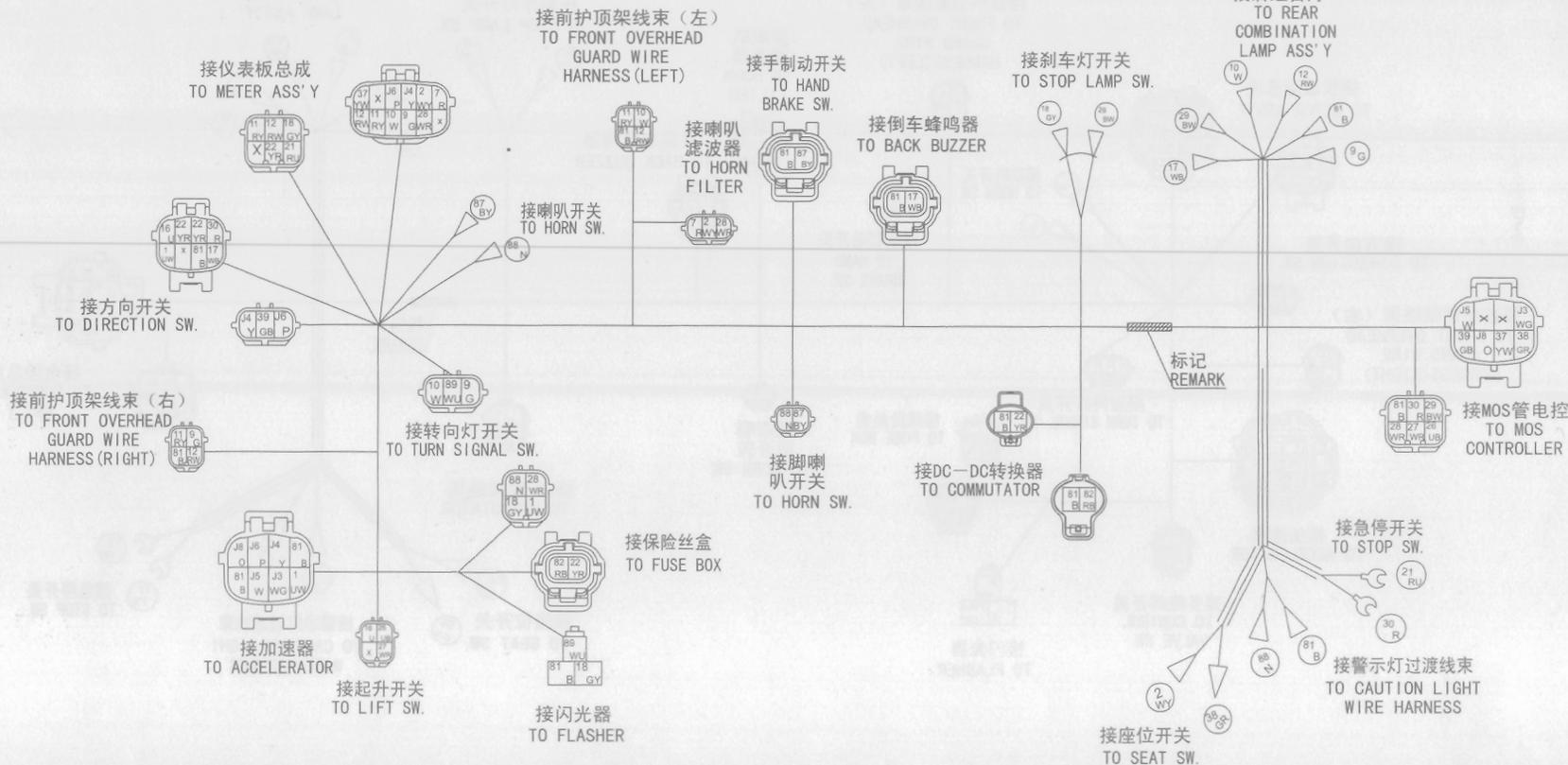




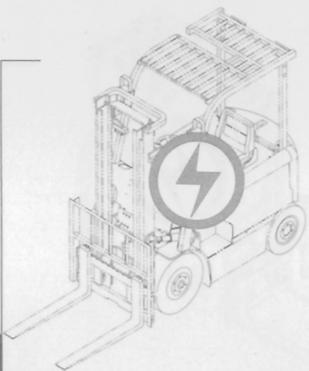
CPD10,15,18-C1  
CPD10,15-F1



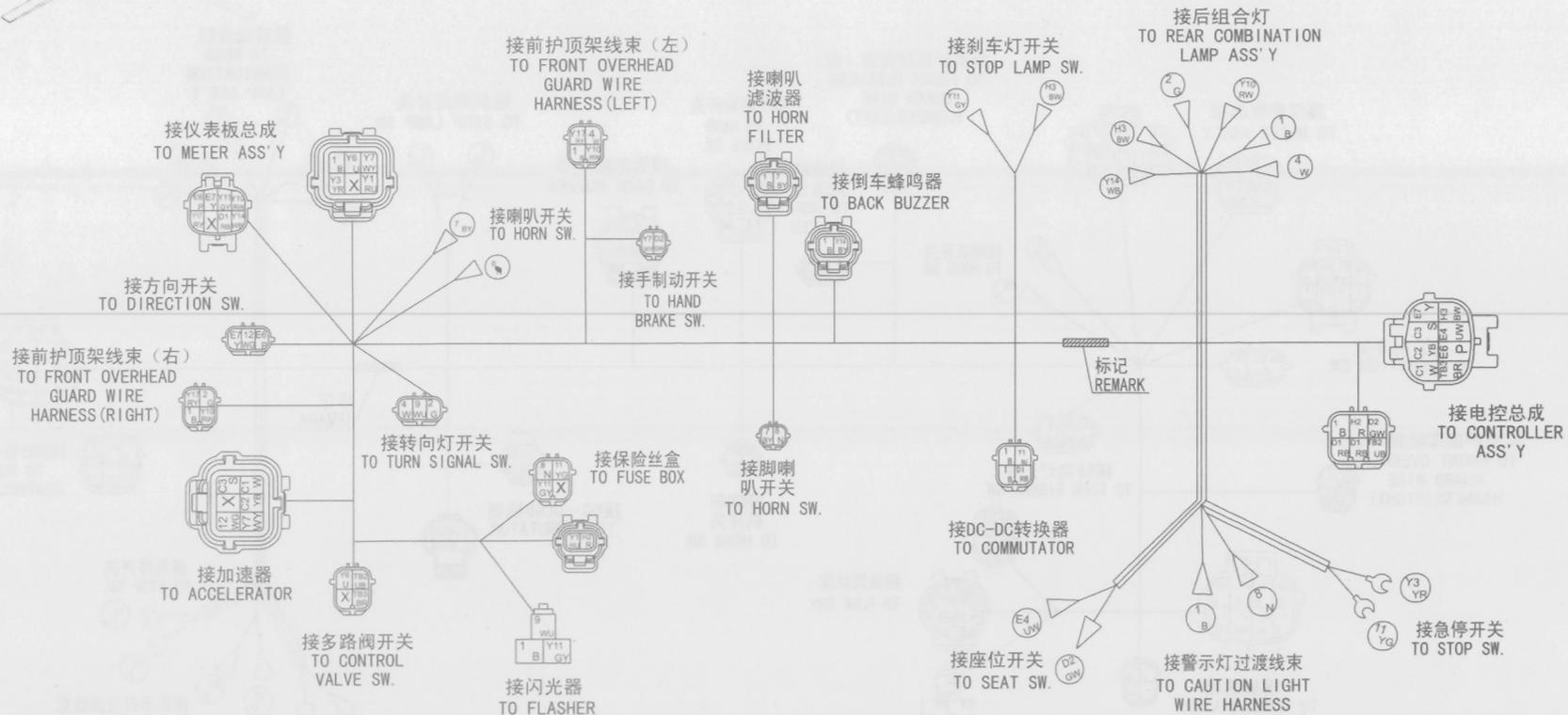
B



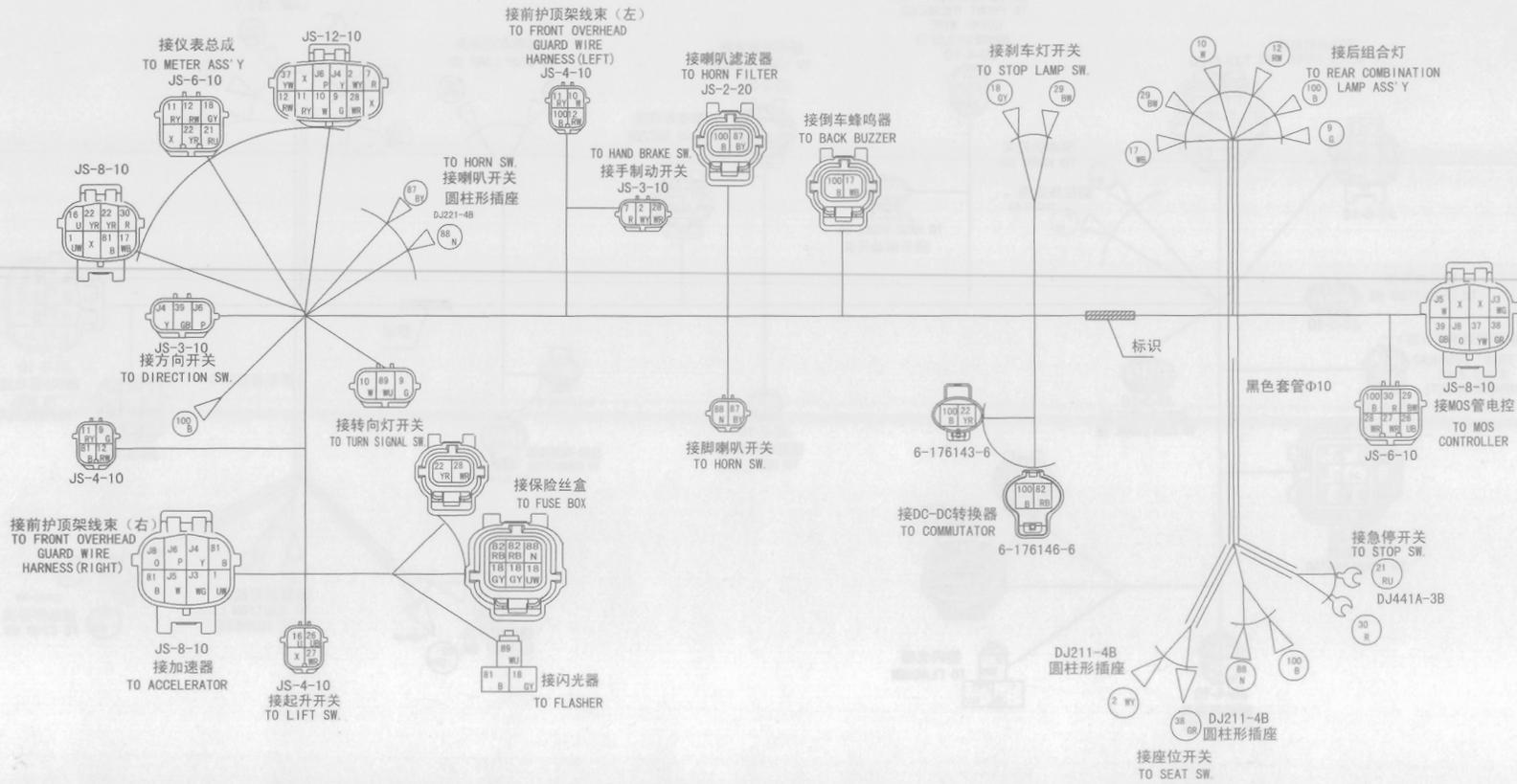
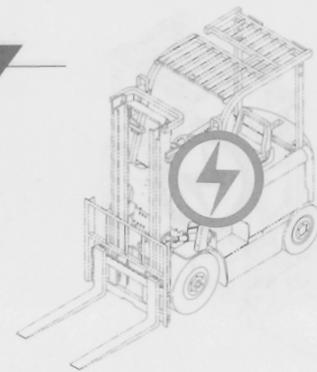
CPD10,15,18-C2  
CPD10,15-F2



B



CPD10,15,18L-C1  
CPD10,15L-F1



CPD10,15,18L-C2  
CPD10,15L-F2

B

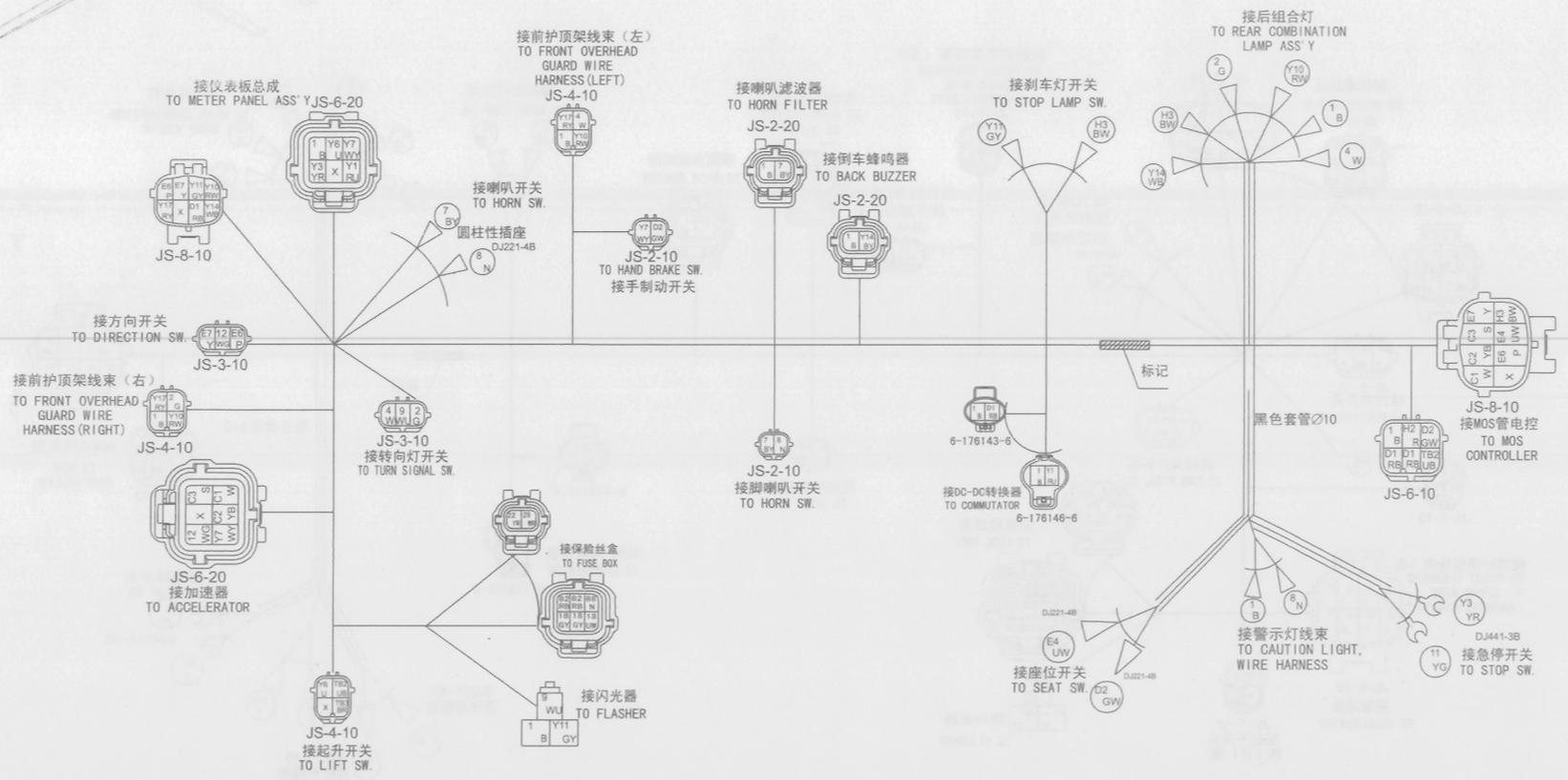
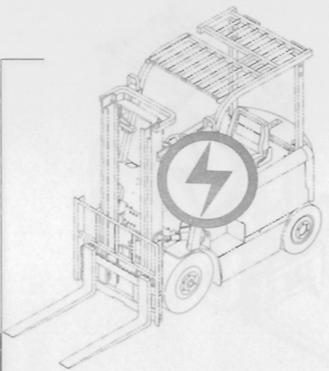
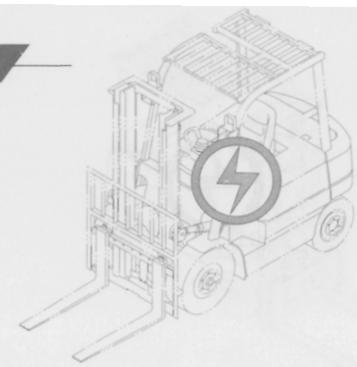


图24/FIG24

## 电源插座 / BATTERY SOCKET

B17

序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark	CPD10,15,18
A	A65S2-41201	Battery socket ass'y 电源插座 (接车架部分)	1		
1	Z9010-08035	Connector 冷压接线端子 $\varnothing 8$ (OT35-8)	2		
2	Z9200-1660B	Plastic pipe 热缩套管, L=60	2		
3	D11YH35-1450	Cable 电缆线35mm <sup>2</sup> , L=1450	1	YH型	
4	Z9010-10035	Connector 冷压接线端子 $\varnothing 10$	1		
5	B5050-00006	Washer 垫圈6	2	GB93-87	
6	B5310-00006	Washer,lock 垫圈6	2	GB97.1-85	
7	B1010-06035	Screw 螺钉M6X35	2	GB65-85	
8	Z9060-SB175	2-Wire composite socket 两芯接插件SB175型	1		
9	D11YH35-1900	Cable 电缆线35mm <sup>2</sup> , L=1900	1	YH型	



B

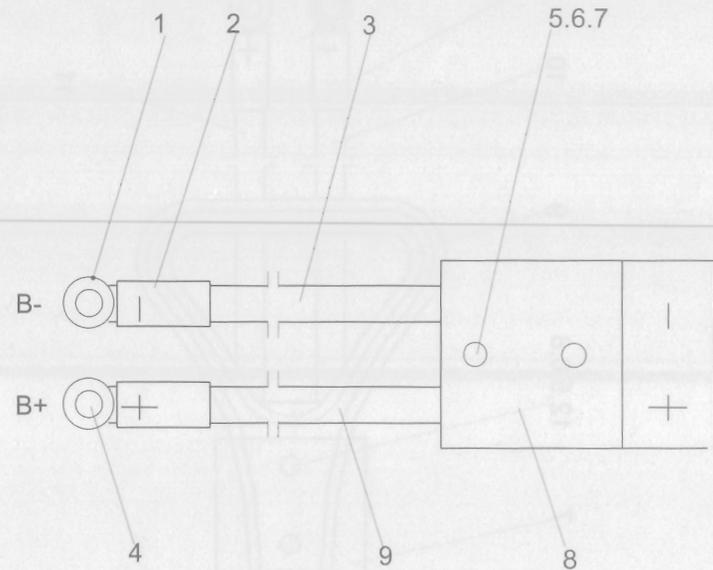




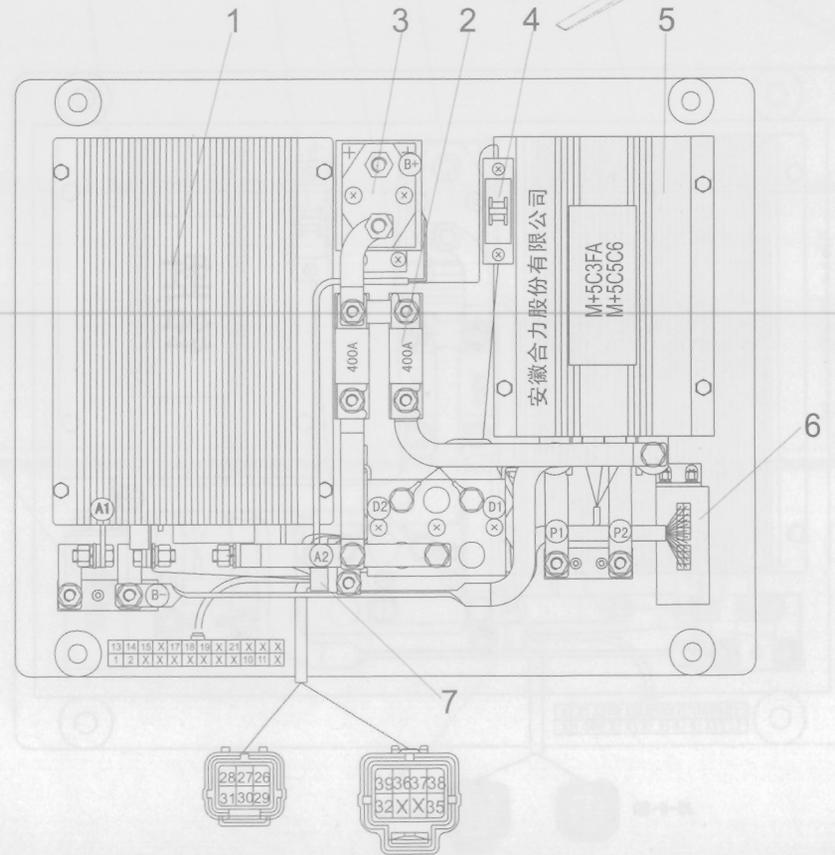
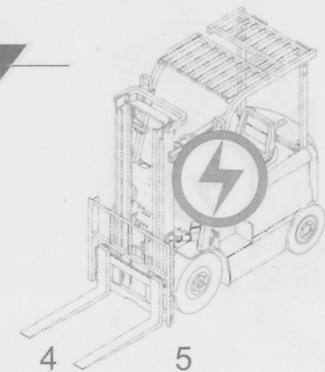
图26/FIG26

电控装置/CONTROL UNIT

B19

序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark
01	PMC 1215-8307	Controller	1	控制器
02	D06-425A	Fuse	2	熔断器
03	SW200-20	Main contactor	1	主接触器
04	RT14-20	Fuse & seat	1	10A保险丝和保险座
05	STAR	Pump controller	1	泵控制器
06	1.5THYSLBH-01	Relay	1	延时控制盒
07	HL1.5THXS-01	Wire harness	1	电控总成线束

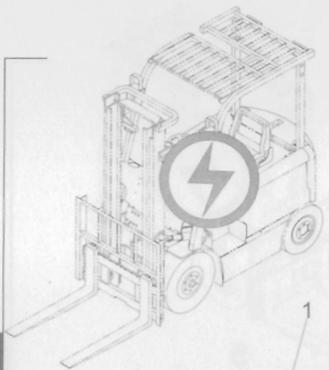
CPD10,15,18-C1  
CPD10,15-F1



B

CPD10,15,18L-C1  
CPD10,15L-F1

序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark
A	A6E52-40021	Control unit	1	电控装置
01	PMC 1215-8307	Filter	1	控制器
02	D06-425A	Fuse	2	熔断器
03	SW200-20	Main contactor	1	主接触器
04	RT14-20	Fuse seat	1	10A保险座(含保险丝)
05	STAR	Pump controller	1	泵控制器
06	1.5THYSLBH-01	Control box	1	延时控制盒
07	HL1.5THXS-01	Control ass'y wire harness	1	电控总成线束



B

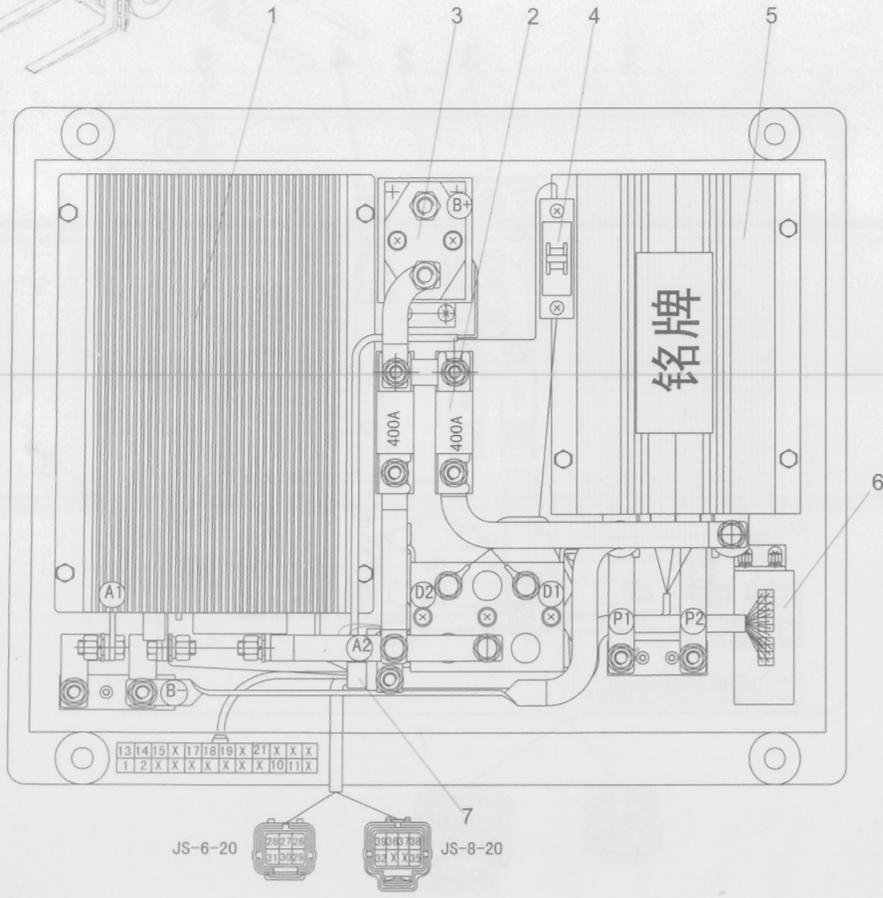


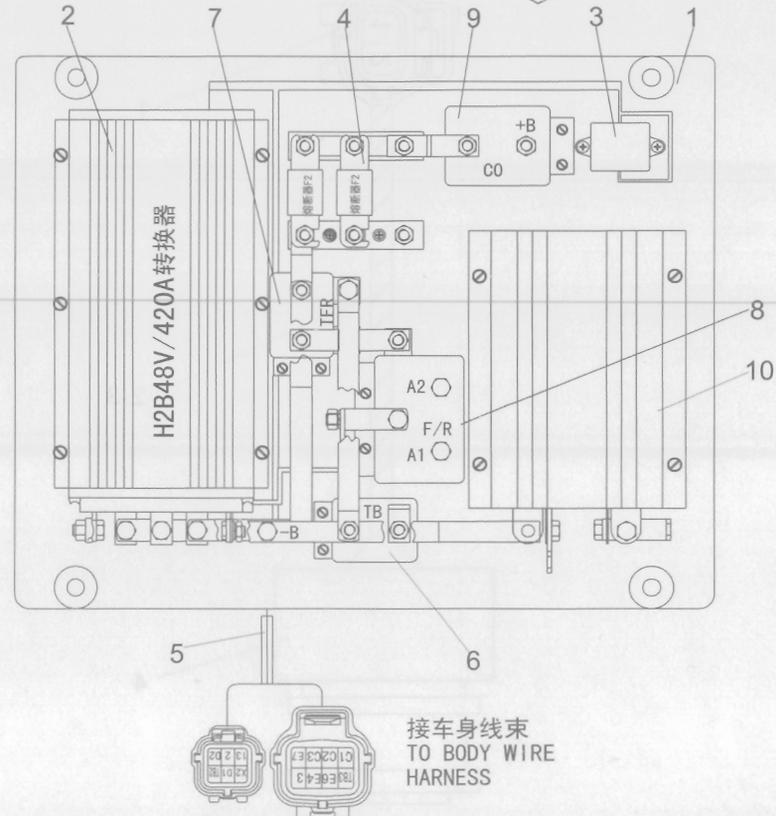
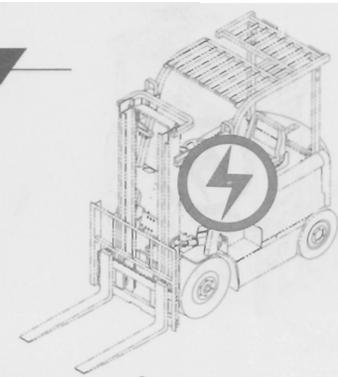
图28/FIG28

## 电控装置/CONTROL UNIT

B21

序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark
A	A6E92-40021	Control unit	1	电控装置
-	A6E32-40031	Control unit	1	电控装置(防水处理)
01	QLB7.139.101	Cooling plate	1	电控散热版(双速)
02	H2B 48V/420	Filter	1	48V/420A斩波器
03	QLB2.100.701	Control box	1	脚刹控制盒
04	DC150V/400A	Fuse	2	熔断器
05	QLB6.139.601	Control ass'y wire harness	1	电控总成线束 (三速泵控)
✓06	SW180B-7	Full speed contactor	1	全速接触器
✓07	SW181B-245T	Contactor	1	再生接触器
✓08	DC182B-537T	Travel contactor	1	行走接触器
✓09	SW200-20	Main contactor	1	主接触器
10	STARP48V/600	Pump controller	1	Star 泵控制器

CPD10,15,18-C2  
 CPD10,15-F2  
 CPD10,15,18L-C2  
 CPD10,15L-F2



h200





CPD10,15,18

序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark
A	A65S2-40901	Battery ass'y	1	蓄电池组 CPD10-18-C
-	A65S2-41401	Battery ass'y	1	蓄电池组(无漏液孔) CPD10-18-C
-	A67S2-40101	Battery ass'y	1	蓄电池组 CPD10-15-F
-	A67S2-40201	Battery ass'y	1	蓄电池组(无漏液孔) CPD10-15-F
-	A69V2-40231	Battery ass'y	1	蓄电池组 CPD10-18L-C
-	A69V2-40231Y	Battery ass'y	1	蓄电池组(无漏液孔) CPD10-18L-C
-	A6E32-40211	Battery ass'y	1	蓄电池组 CPD10-15L-F
-	A6E32-40211Y	Battery ass'y	1	蓄电池组(无漏液孔) CPD10-15L-F
1	DA-550	Battery	24	蓄电池组单体 CPD10-18-C CPD10-18L-C
-	D-400	Battery	24	蓄电池组单体 CPD10-15-F CPD10-15L-F
2	A65E6-40701	Box	1	箱体 CPD10-18-C
-	A65S2-41411	Box	1	箱体(无漏液孔) CPD10-18-C
-	A69E6-40701	Box	1	箱体 CPD10-15-F
-	A67S2-40211	Box	1	箱体(无漏液孔) CPD10-15-F
-	A69V2-40241	Box	1	箱体 CPD10-18L-C
-	A69V2-40241Y	Box	1	箱体(无漏液孔) CPD10-18L-C
-	A6E32-40221	Box	1	箱体 CPD10-15L-F
-	A6E32-40221Y	Box	1	箱体(无漏液孔) CPD10-15L-F
3	A65E6-42231	Rubber	1	橡胶垫 CPD10-18-C CPD10-18L-C
-	A69E6-42271	Rubber	1	橡胶垫 CPD10-15-F CPD10-15L-F

B

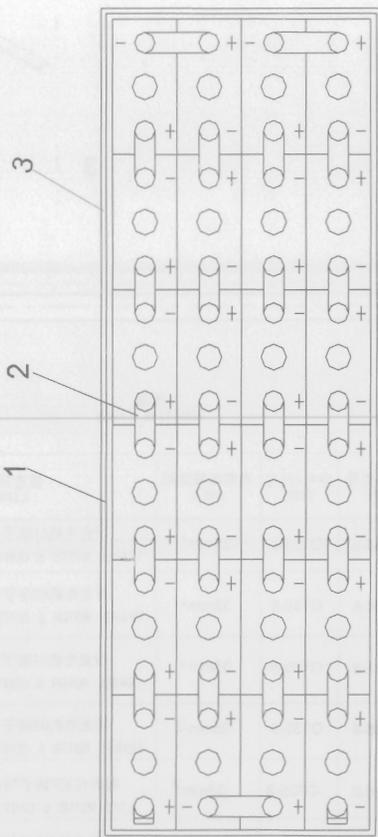
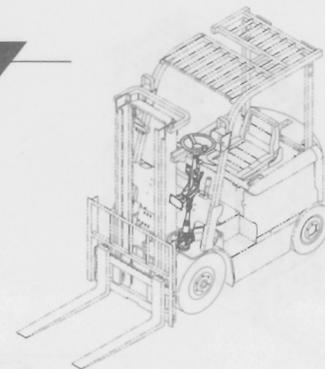
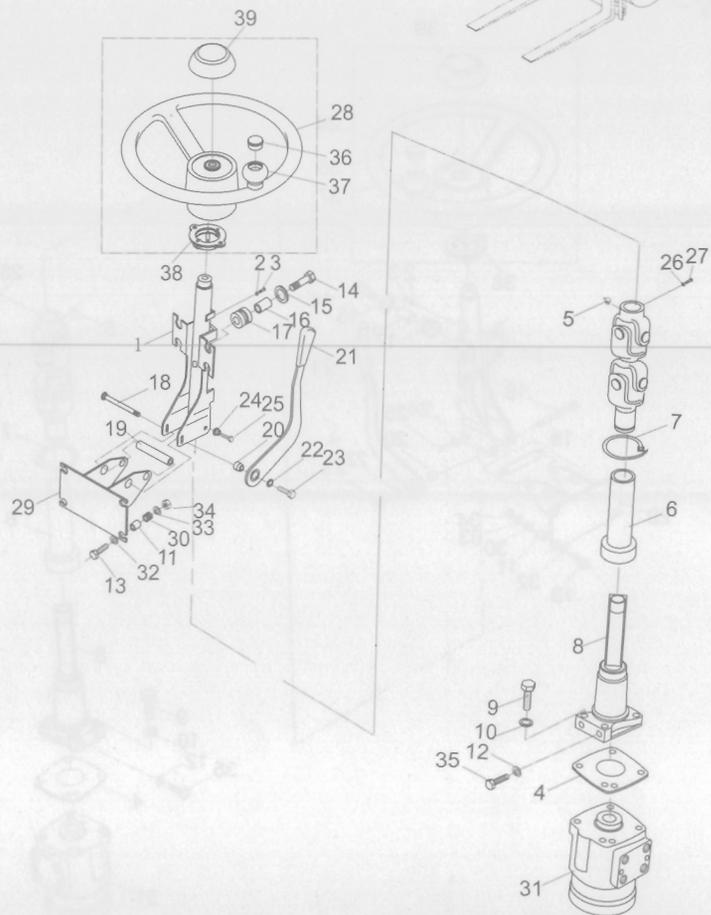


图31/FIG31

## 转向系统/STEERING SYSTEM

C1

序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark	CPD10,15,18
01	A73J4-10203	Column 转向管柱总成	1		
02	B5310-00006	Washer 垫圈	4	GB97.1-85	
03	B1710-06012	Bolt 螺钉 M6X12	4	GB845-85	
04	H24C4-12231	Shim 调整垫	1		
05	Z2500-01010	Fitting,grease 油杯 M10X1	1	GB1152-85	
06	H24C4-12101	Boot 护套	1		
07	ZD-04015	Band 捆扎带 ZD4X150	1		
08	A73J4-10601	Connection shaft ass'y 连接轴总成	1	See Fig.33	
09	B0230-10045	Bolt 螺栓 M10X45	4	GB5782-86	
10	B5050-00010	Washer,lock 垫圈	4	GB93-87	
11	H24C7-42101	Pipe 套管	4		
12	B5050-00012	Washer,lock 垫圈	2	GB93-87	
13	B0230-10040	Bolt 螺栓M10X40	4	GB5782-85	
14	B0230-06035	Bolt 螺栓 M6X35	4	GB5782-86	
15	H24C4-12131	Washer 垫片	4		
16	A22A4-12111	Spacer 套管	4		
17	A22A4-12101	Rubber 橡胶套	4		
18	H24C4-12151	Bolt(left) 螺栓(左旋)	1		
19	H24C4-12161	Spacer 套管	1		
20	H24C4-12171	Nut 螺母	1		
21	H24C4-10501	Lever 手柄总成	1		
22	B5210-00010	Washer 垫圈	1	GB96-85	
23	H24C4-12191	Bolt(left) 螺栓 M10X16(左旋)	1		
24	H24C4-12211	Washer 垫圈	2		
25	H24C4-12221	Bolt 螺栓	2		
26	B5050-00008	Washer 垫圈	1	GB93-87	
27	B0230-08035	Bolt 螺栓M8X35	1	GB5782-86	
28	A73J4-10222	Handle Shaft Ass'y(Inc.36~39) 方向盘总成	1		
29	A73J4-10232	Steering bracket 转向支架	1		
30	H24C6-42311	Rubber 橡胶垫	4		



C1

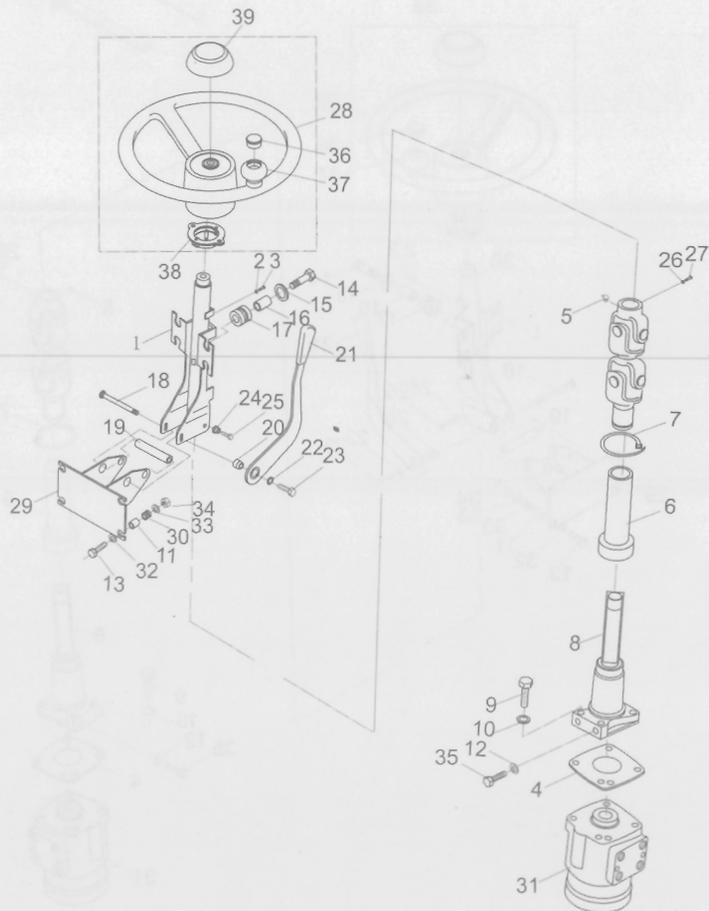
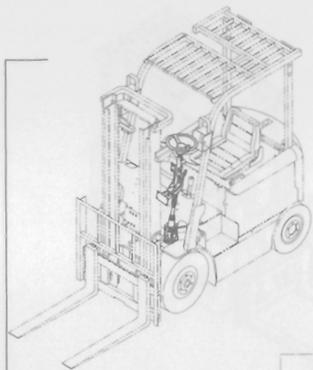
## 转向系统/STEERING SYSTEM

图32/FIG32

CPD10,15,18

序号  
Item  
No图号  
Part No零部件名称  
Description件数  
Q'ty备注  
Remark

31	A65H4-10101	转向器总成	1	
32	B5050-00010	Washer,lock 垫圈	4	GB93-87
33	B5210-00010	Washer 垫圈	4	GB96-85
34	B4130-00010	Nut 螺母	4	GB6170-86
35	B0530-12025	Bolt 螺栓	2	GB5786-86
36	XD-001	Cover 球盖	1	
37	XD-002	Ball 圆球	1	
38	XD-106	Conductive rod ass'y 喇叭触杆铆合总成	1	
39	XD-011	Cover 盖	1	



C



D1

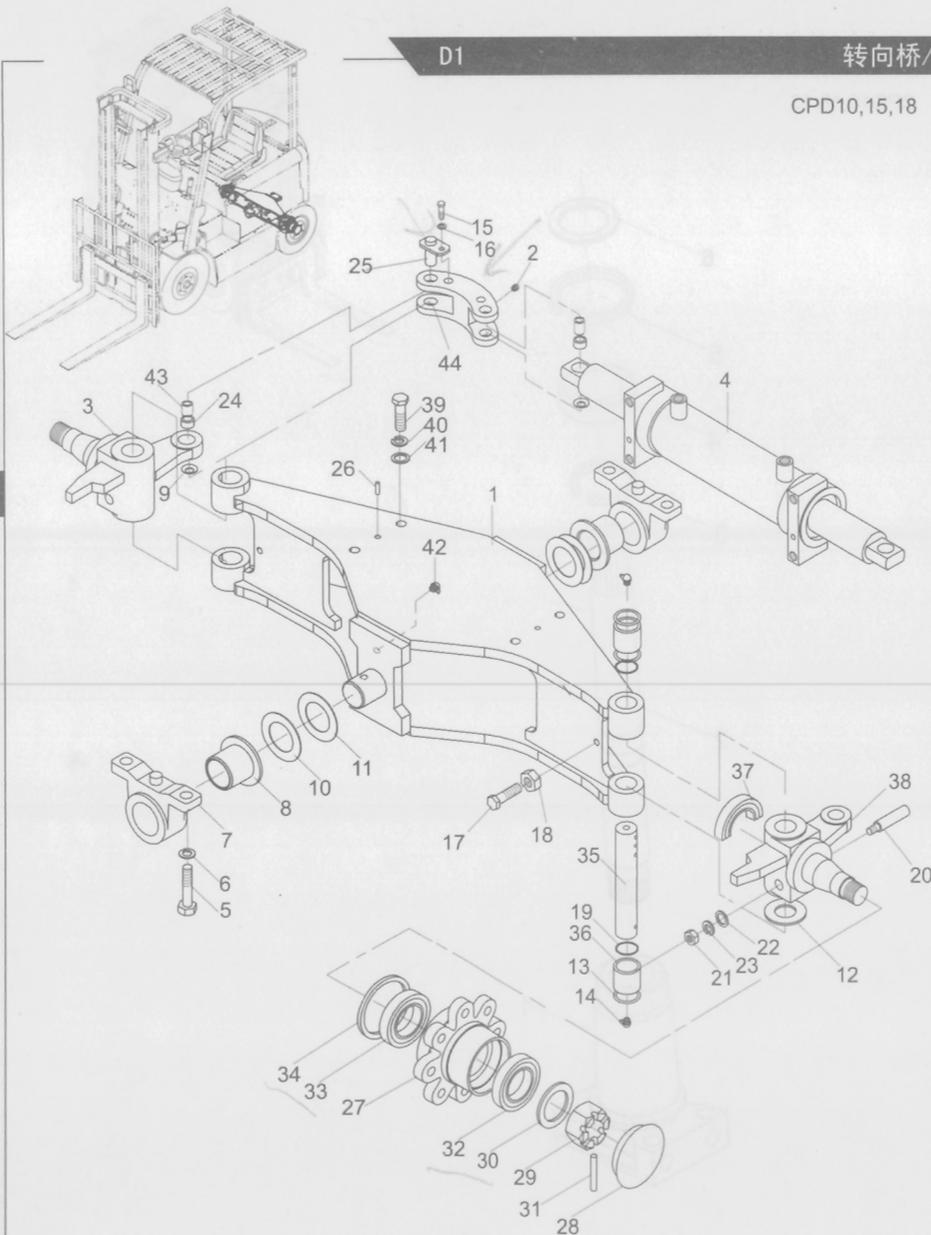
## 转向桥/STEERING AXLE

图34/FIG34

CPD10,15,18

序号  
Item  
No图号  
Part No零部件名称  
Description件数  
Q'ty备注  
Remark

01	A10C4-10301	Axle ass'y	转向桥体总成	1	
02	Q700806	Fitting	直通式滑脂嘴	4	ZBT33001.0-88
03	H12C4-30301	Right steering knuckle	右转向节总成	1	
04	A65E4-50301	Steering cylinder	转向油缸总成	1	See Fig.35
05	B0530-14040	Bolt	螺栓 M14X1.5X40	4	GB5786-86
06	B5050-00014	Washer,lock	垫圈14	4	GB93-87
07	23656--12572	Support	后桥支座	2	
08	24236-12581	Bushing	衬套	2	
09	A10C4-12091	Shim	垫片	4	
10	24234-32501	Shim	垫片	2	
11	24234-52031	Shim	垫片	2	
12	20114-30091	Steering knuckle shim	转向节调整垫圈	5	
13	24234-32231	Oil seal	油封	4	
14	Q701B45	Fitting	弯颈式滑油嘴	4	ZBT33001.2-88
15	B0330-06012	Bolt	螺栓M6X12	4	GB5783-86
16	B5050-00006	Washer	垫圈6	4	GB93-87
17	B0430-10040	Bolt	螺栓M10X1.25X40	2	GB5785-86
18	B4216-00010	Nut	螺母M10X1.25	2	GB6171-86
19	24234-32241	O-ring	O形圈	2	
20	20114-30081	Pin, lock	固定销	2	
21	B4216-00008	Nut	螺母M8X1	2	GB6171-86
22	B5310-00008	Washer, lock	垫圈8	2	GB97.1-86
23	B5850-00008	Washer	垫圈8	2	GB859-87
24	H12C4-32101	Bushing	衬套	4	
25	H12C4-30501	Pin, lock	锁紧销	4	
26	B3120-08020	Pin	销B8X20	2	GB119-86
27	24234-32221	Wheel hub	转向轮毂	2	
28	22194-32361	Hub cover	轮毂盖	2	
29	B7613-00024	Nut	螺母M24X2	2	GB9459-88
30	B5310-00024	Washer	垫圈24	2	GB97.1-85



D

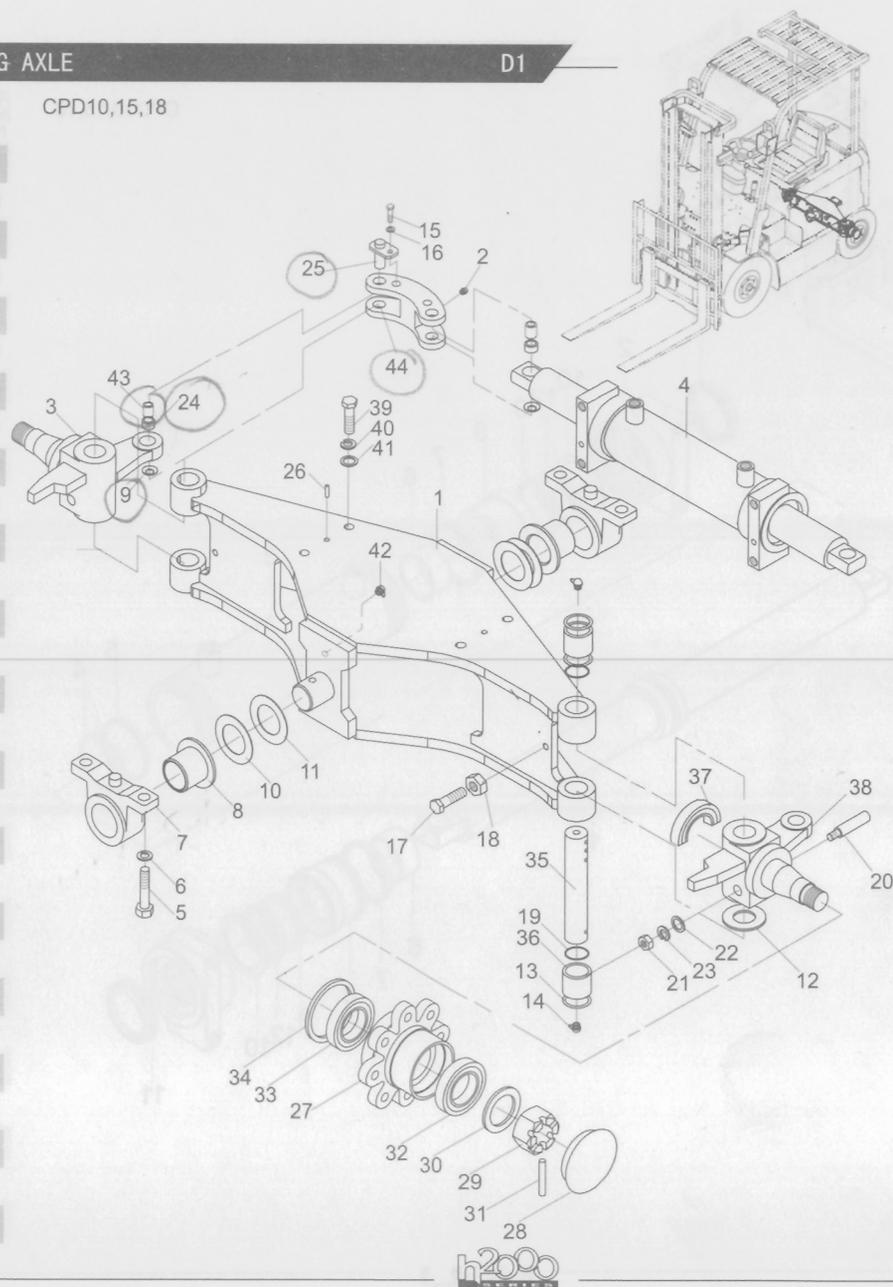
图34/FIG34

## 转向桥/STEERING AXLE

D1

序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark
31	B3010-05045	Pin	销5X45	2 GB91-86
32	Z-30206	Bearing	轴承30206	2 GB/T297-94
33	Z-30208	Bearing	轴承30208	2 GB/T297-94
34	22574-32102	Seal	骨架密封圈	2
35	24234-32181	King pin, steering knuckle	转向节主销	2
36	Z-942/25	Bearing, needle	滚针轴承942/25	4 GB290-82
37	Z-198905	Bearing	单向推力球轴承	2 GB198902
38	H12C4-30401	Left steering knuckle	左转向节总成	1
39	B0220-12040	Bolt	螺栓M12X40	4 GB5782-86
40	B5310-00012	Washer	垫圈12	4 GB97.1-85
41	B5050-00012	Washer,lock	垫圈12	4 GB93-87
42	Q701B90	Fitting	弯颈式滑脂嘴	4 ZBT33001.2-88
43	H12C4-32091	Bearing	关节轴承GE15ES	4
44	HRH12C4302 H12C4-32041	Link(left)	连杆(左)	1
-	HRH12C4302 H12C4-32051	Link(right)	连杆(右)	1

CPD10,15,18



D

D2

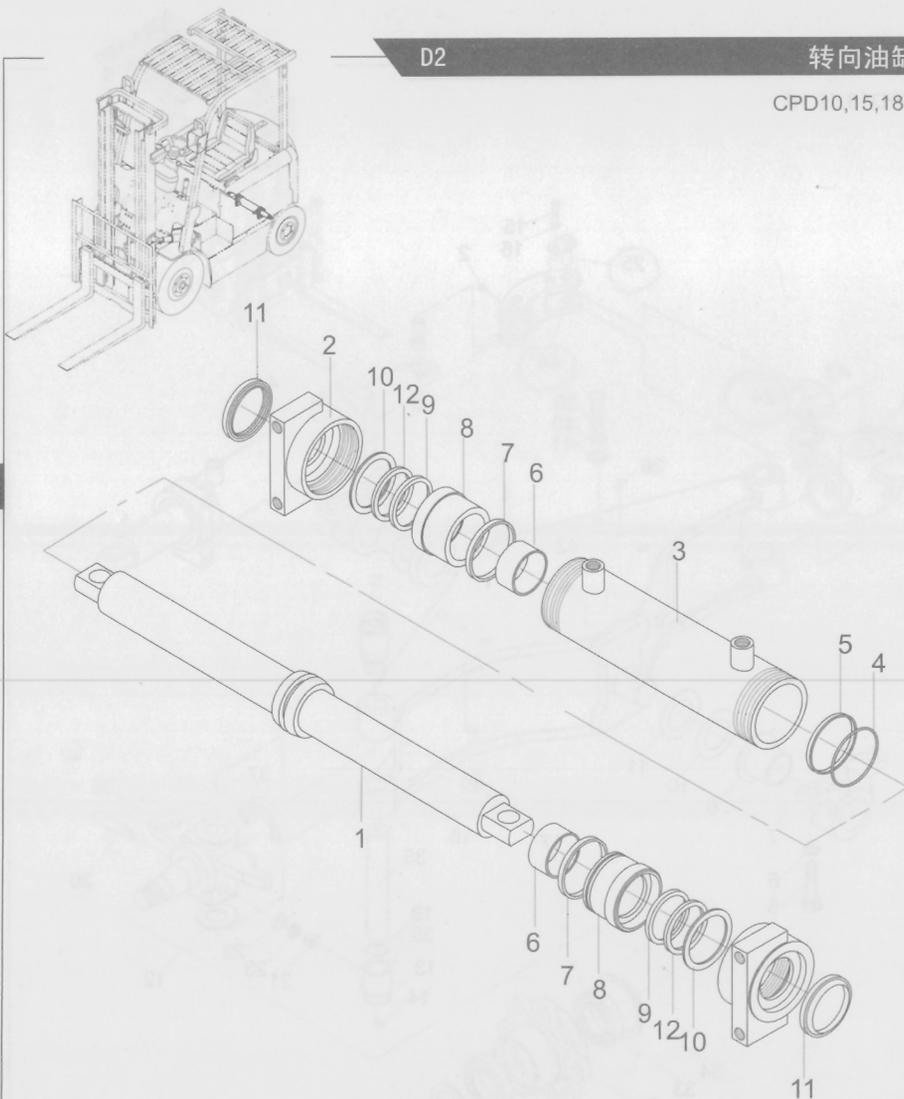
## 转向油缸/STEERING CYLINDER

图35/FIG35

CPD10,15,18

序号  
Item  
No图号  
Part No零部件名称  
Description件数  
Q'ty备注  
Remark

序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark
A	A65E4-50301	Steering cylinder ass'y	1	转向油缸总成
01	H12C4-50311	Piston rod	1	活塞杆总成
02	A10C4-52021	Cap	2	缸盖
03	A10C4-50301	Cylinder	1	缸体
04	Z6053-04753	O-ring	1	0形圈 47.5X3.55 GB3452.1-92
05	A10C4-52041	Seal,slipper	1	支撑环
06	Z2113-04030	Bushing	2	钢背轴承4030
07	Z6053-04873	O-ring	2	0形圈 48.7X3.55 GB3452.1-92
08	A10C4-52051	Bushing	2	轴套
09	H12C4-52041	Y-ring	2	Y型密封圈 40X50X6
10	A10C4-52061	Shim	2	垫片
11	23650-83581	Seal,dust	2	防尘圈
12	23650-83531	Shim	2	挡片



D



CPD10,15,18

序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark
01	A63A6-30012	Counter weight	1t平衡重	1 CPD10-C,10-F CPD10L-C,10L-F
-	A65E6-30012	Counter weight	1.5t平衡重	1 CPD15-C CPD15L-C
-	HAR69E6302 A69E6-30011	Counter weight	1.5t平衡重	1 CPD15-F CPD15L-F
-	HAR69E6302 A63J6-30011	Counter weight	1.8t平衡重	1 CPD18-C CPD18L-C
02	HRA22A6408 A73E6-32021	Rubber	橡胶密封条(L=2125)	1
03	A73E6-32011	Cap	平衡重后盖	1
04	B0230-24080	Bolt	螺栓M24X80	3 GB5782-86 CPD10-18-C CPD10-15L-C 2 GB5782-86 CPD10-15-F CPD10-15L-F CPD18L-C
05	B5050-00024	Washer,lock	垫圈24	3 GB93-87
06	B5310-00024	Washer	垫圈24	3 GB97.1-85
07	22676-32041	Pin,drop	牵引销	1
08	B0230-10050	Bolt	螺栓M10X50	2 GB5782-86
09	B5210-00010	Washer	垫圈10	6 GB96-85
10	B5050-00010	Washer,lock	垫圈10	6 GB93-87
11	B0330-10030	Bolt	螺栓M10X30	4 GB5783-86
12	A65E6-10001	Frame	车架	1 CPD10-18-C CPD10-18L-C
-	A69E6-10001	Frame	车架	1 CPD10-15-F CPD10-15L-F
13	B0220-24100	Bolt	螺栓M24X100	1 CPD10-15-F GB5782-86 CPD10-15L-F CPD18L-C

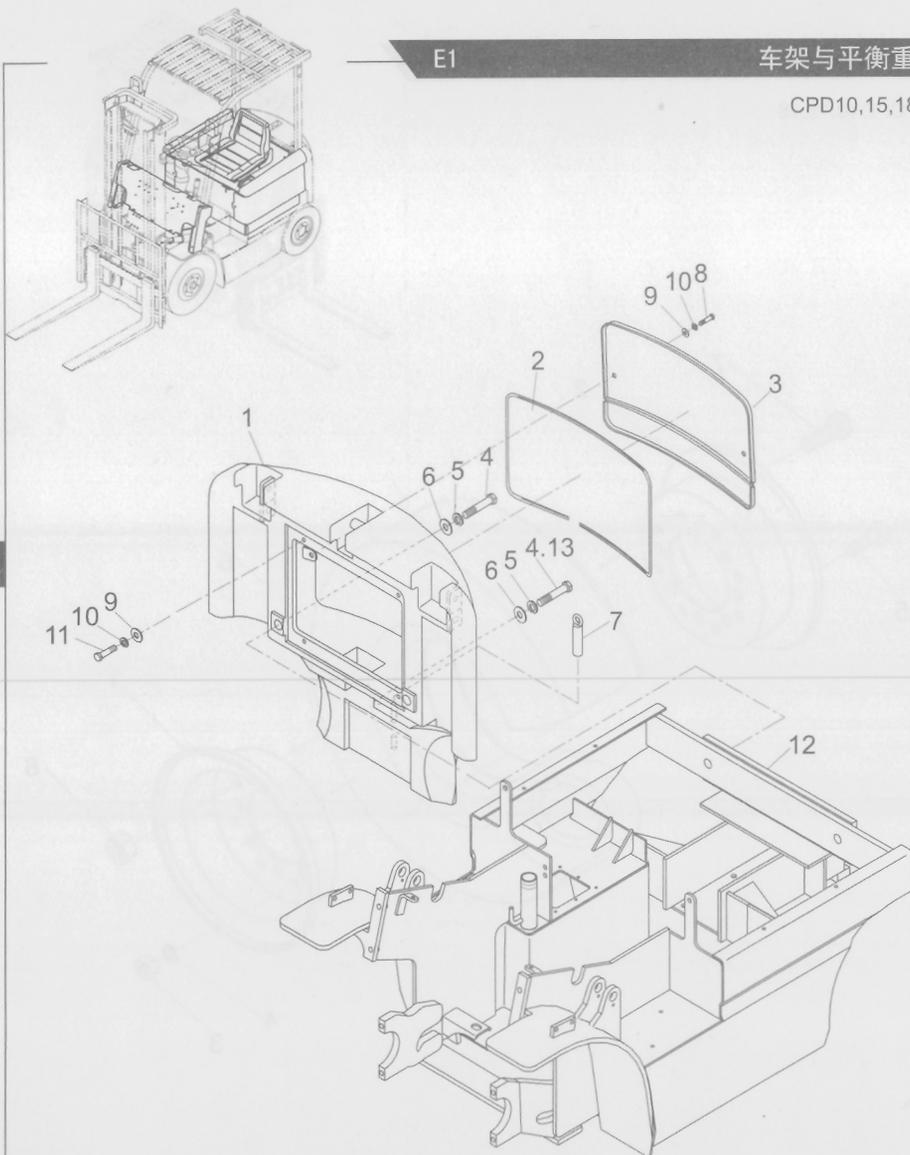


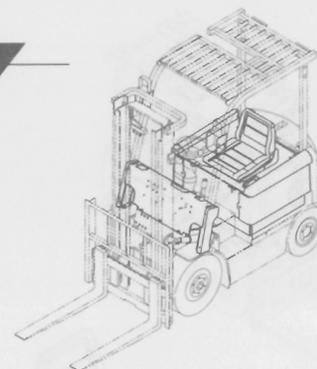
图38/FIG38

机罩类及座椅/HOOD &amp; SEAT

E2

序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark
01	B5310-00020	Washer 垫圈20	2	GB97.1-85
02	B1210-06010	Screw 螺钉M6X10	8	GB818-85
03	B5050-00006	Washer,lock 垫圈6	10	GB93-87
04	HRH26D6412 H26D6-42131	Hood(left) 护罩(左)	1	
05	B0530-10025	Bolt 螺栓M10X1.25X25	7	GB5786-86
06	B5050-00010	Washer,lock 垫圈10	7	GB93-87
07	25786-40651	Catch 弹簧卡	1	
08	A65E6-40201	Cabine 仪表架	1	
09	HRA65E6403 H65E6-40302	Planking ass'y(left) 侧板总成(左)	1	CPD10-18-C
-	HRA69E6401 H69E6-40302	Planking ass'y(left) 侧板总成(左)	1	CPD10-15-F
10	HRH26D6412 H26D6-42141	Hood(right) 护罩(右)	1	
11	A73E6-42351	Edding 密封条	1	CPD10-18-C
-	A69E6-42351	Edding 密封条	1	CPD10-15-F
12	H24C6-42072	Box 工具箱	1	
13	B1210-06016	Screw 螺钉M6X16	2	GB818-85
14	B5310-00006	Washer 垫圈6	2	GB97.1-85
15	HRA65E6403 H65E6-40402	Planking ass'y(right) 侧板总成(右)	1	CPD10-18-C
-	HRA69E6401 H69E6-40402	Planking ass'y(right) 侧板总成(右)	1	CPD10-15-F
16	A73E6-42362	Handle ass'y 把手总成	1	
17	SC1-E-0000	Seat 座椅	1	
18	B4123-00008	Nut 螺母M8	2	GB6170-86
19	B5210-00010	Washer 垫圈10	3	GB96-85 CPD10-15-F
20	P3205A	Shock,absorber 气弹簧	2	
21	A65E6-40601	Cap 蓄电池箱盖	1	CPD10-18-C
-	A69E6-40601	Cap 蓄电池箱盖	1	CPD10-15-F
22	B4430-00020	Nut 螺母M20X1.5	2	GB97.1-85
23	B0330-08016	Bolt 螺栓M8X16	2	GB5783-86
24	B5050-00008	Washer,lock 垫圈8	8	GB93-87
25	A65E6-42321	Pin 挡销	1	GB6173-86
26	B1110-08016	Screw 螺钉M8X16	2	GB67-85

CPD10,15,18-C1  
CPD10,15,18-C2  
CPD10,15-F1  
CPD10,15-F2



E

CPD10,15,18-C1  
 CPD10,15,18-C2  
 CPD10,15-F1  
 CPD10,15-F2

序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark
27	B5050-00020	Washer,lock	垫圈20	2 GB93-87
28	B5310-00008	Washer	垫圈8	4 GB97.1-85

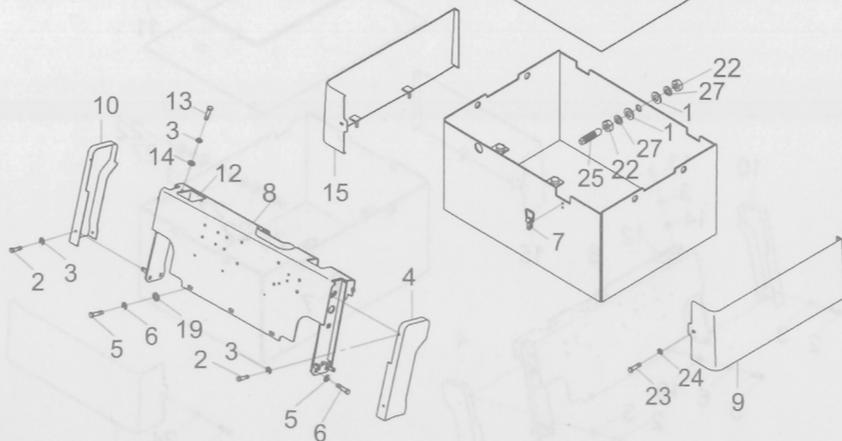
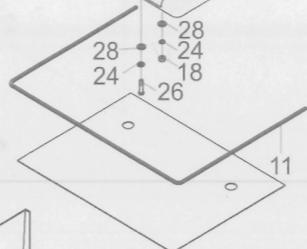
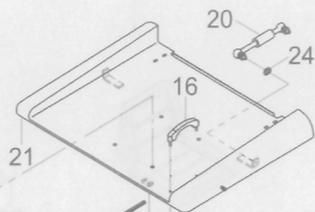
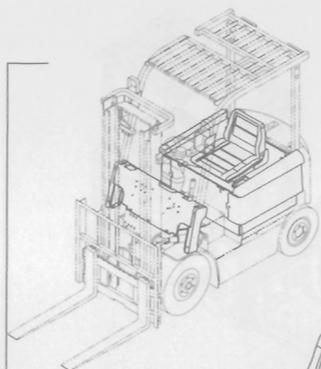


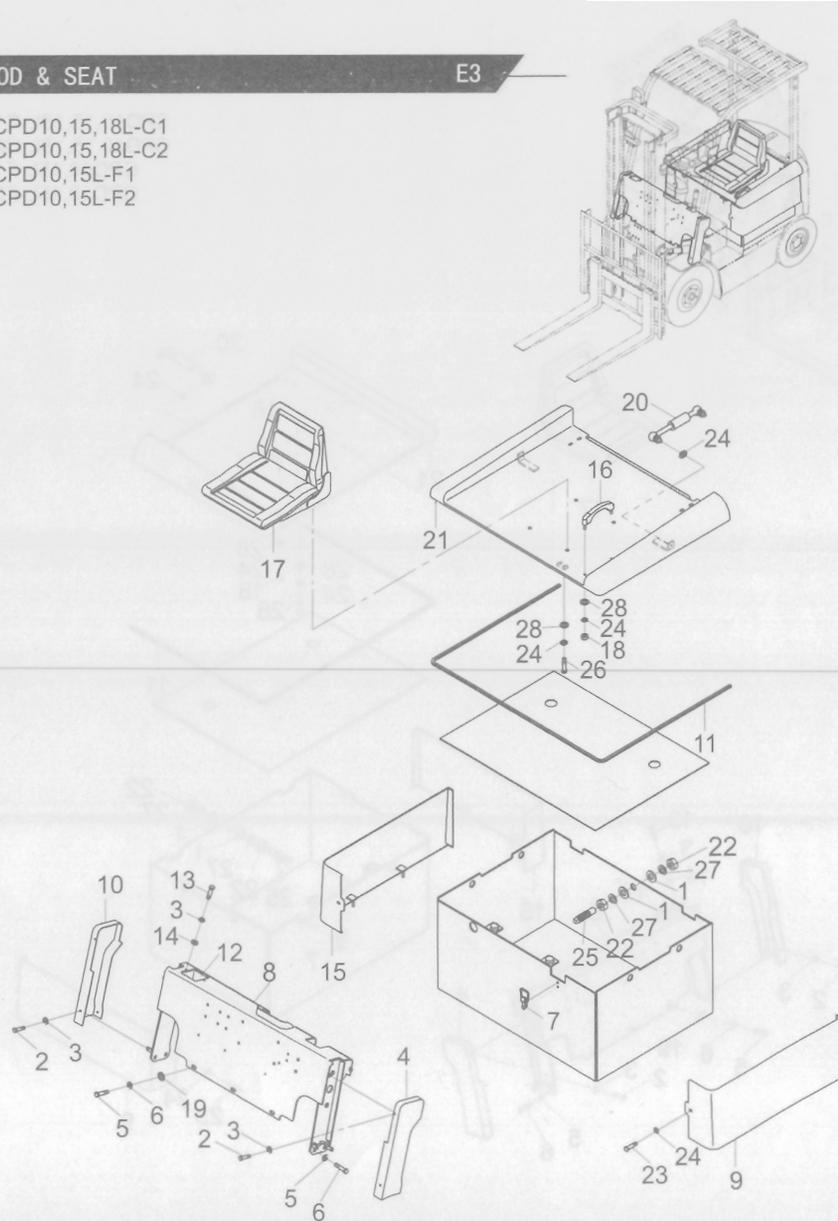
图39/FIG39

## 机罩类及座椅/HOOD &amp; SEAT

E3

序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark
01	B5310-00020	Washer 垫圈20	2	GB97.1-85
02	BX1210-06010	Screw 螺钉M6X10	8	GB818-85
03	BX5050-00006	Washer,lock 垫圈6	10	GB93-87
04	HRH26D6412 H26D6-42131	Hood(left) 护罩(左)	1	
05	BX0530-10025	Bolt 螺栓M10X1.25X25	7	GB5786-86
06	BX5050-00010	Washer,lock 垫圈10	7	GB93-87
07	25786-40651	Catch 弹簧卡	1	
08	A65E6-40201	Cabine 仪表架	1	
09	HRA65E6403 H65E6-40302	Planking ass'y(left) 侧板总成(左)	1	CPD10~18L-C
-	HRA69E6401 H69E6-40302	Planking ass'y(left) 侧板总成(左)	1	CPD10~15L-F
10	HRH26D6412 H26D6-42141	Hood(right) 护罩(右)	1	
11	A73E6-42351	Edding 密封条	1	CPD10~18-C
-	A69E6-42351	Edding 密封条	1	CPD10~15-F
12	H24C6-42072	Box 工具箱	1	
13	BX1210-06016	Screw 螺钉M6X16	2	GB818-85
14	BX5310-00006	Washer 垫圈6	2	GB97.1-85
15	HRA65E6403 H65E6-40402	Planking ass'y(right) 侧板总成(右)	1	CPD10~18L-C
-	HRA69E6401 H69E6-40402	Planking ass'y(right) 侧板总成(右)	1	CPD10~15L-F
16	A73E6-42362	Handle ass'y 把手总成	1	CPD10~18L-C
17	SC1-E-0000	Seat 座椅	1	
18	BX4123-00008	Nut 螺母M8	2	GB6170-86 CPD10~18L-C
19	BX5210-00010	Washer 垫圈10	3	GB96-85 CPD10~15-F
20	P3205A	Shock,absorber 气弹簧	2	CPD10~18L-C
21	A65E6-40601	Cap 蓄电池箱盖	1	CPD10~18L-C
-	A69E6-40601	Cap 蓄电池箱盖	1	CPD10~15L-F
22	B4430-00020	Nut 螺母M20X1.5	2	GB97.1-85
23	BX0330-08016	Bolt 螺栓M8X16	2	GB5783-86
24	BX5050-00008	Washer,lock 垫圈8	8	GB93-87
25	A65E6-42321	Pin 挡销	1	GB6173-86
26	B1110-08016	Screw 螺钉M8X16	2	CPD10~18L-C GB67-85

CPD10,15,18L-C1  
CPD10,15,18L-C2  
CPD10,15L-F1  
CPD10,15L-F2



CPD10,15,18L-C1  
 CPD10,15,18L-C2  
 CPD10,15L-F1  
 CPD10,15L-F2

序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark
27	B5050-00020	Washer,lock	垫圈20	2 GB93-87
28	BX5310-00008	Washer	垫圈8	4 GB97.1-85 CPD10-18L-C

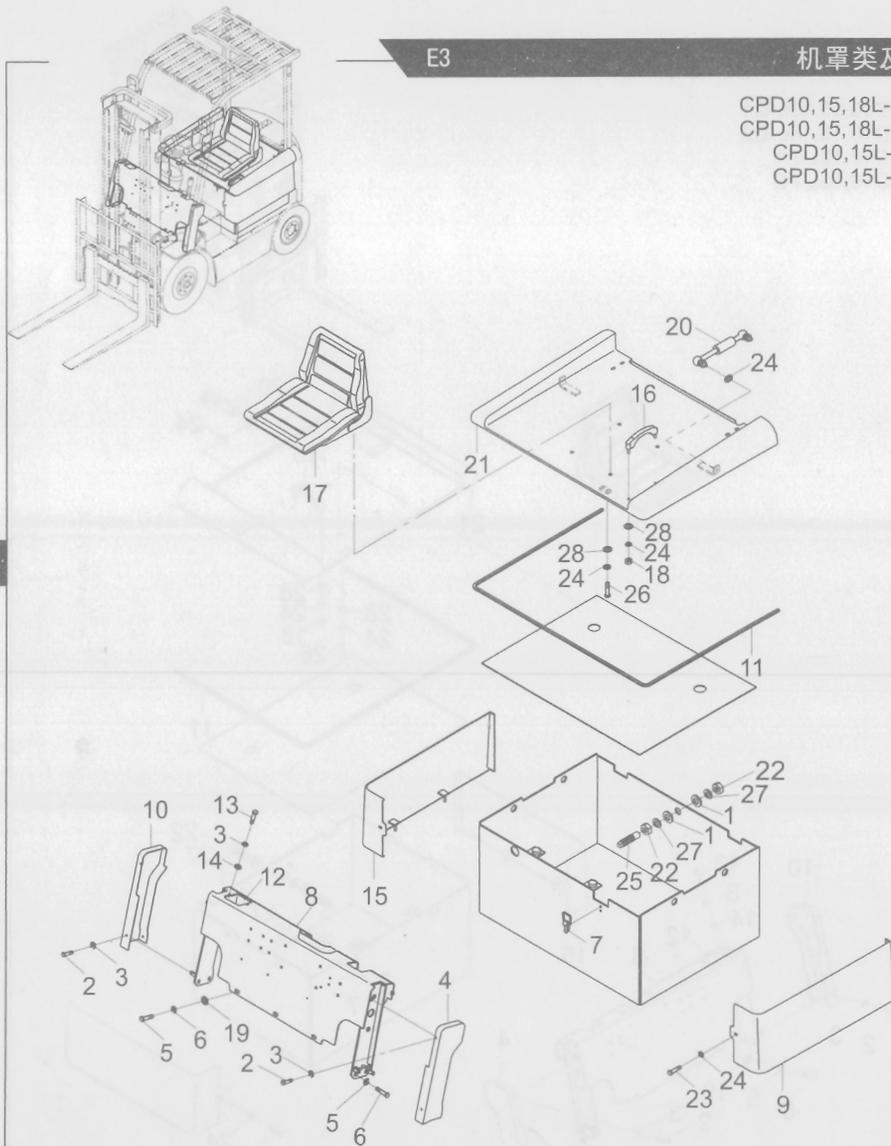


图40/FIG40

## 底板类/FLOOR BOARD

E4

序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark
01	24236-12632	Cap,front axle support 支座盖	2	
02	B0430-14070	Bolt 螺栓M14X1.5X70	4	GB5785-86
03	B5050-00014	Washer,lock 垫圈14	4	GB93-87
04	B0330-16035	Bolt 螺栓M16X35	4	GB5783-86
05	B5050-00016	Washer,lock 垫圈16	4	GB93-87
06	A65H6-50211	Plate 前板总成	1	
07	22496-51001G	Screw 螺钉	2	
08	A65E6-50301	Floor board 前地板总成	1	
09	A65E6-50401	Floor board 平地板总成	1	CPD10-18-C
-	A69E6-50101	Floor board 平地板总成	1	CPD10-15-F
10	B0530-10040	Bolt 螺栓M10X1.25X40	4	GB5786-86
11	B5210-00010	Washer 垫圈10	12	GB96-85
12	A73J6-53053	Cushion 橡胶垫	8	
13	A73J6-53063	Cannula 套管	4	
14	B0530-10025	Bolt 螺栓M10X1.25X25	12	GB5786-86
15	A65E6-52131	Board 板	1	
16	B5050-00010	Washer,lock 垫圈10	14	GB93-87
17	A65E6-52141	Board 板	1	
18	B5310-00010	Washer 垫圈10	6	GB97.1-85
19	B0330-10025	Bolt 螺栓M10X25	2	GB5783-86
20	B5111-00016	Bolt 垫圈16	8	
21	A65E6-52153	Rubber 底板垫	1	CPD10-18-C
-	A69E6-52041	Rubber 底板垫	1	CPD10-15-F
22	H24C7-50402	Breather 呼吸器	1	
23	Z4590-00020	Clip 双钢丝卡箍	2	
24	Z7500-13005	Hose 橡胶软管	1	
25	A65E6-52012	Rubber 橡胶垫	2	CPD10-18-C
-	A69E6-52021	Rubber 橡胶垫	2	CPD10-15-F

CPD10,15,18

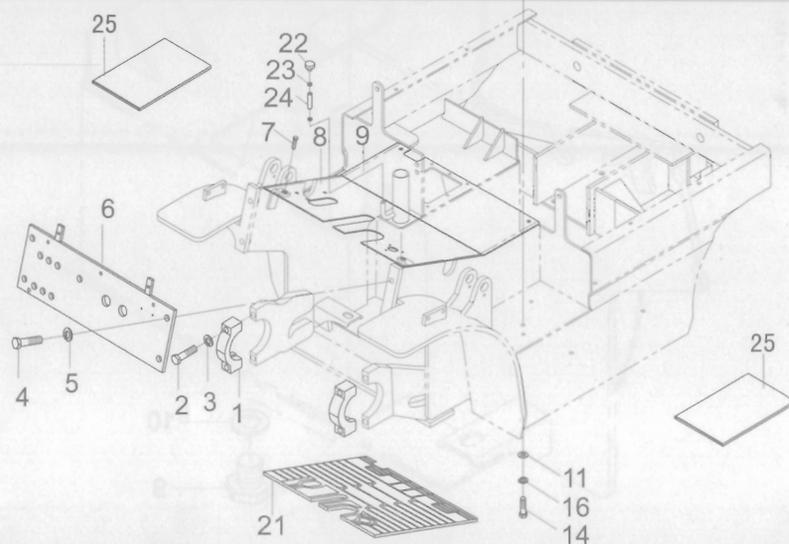
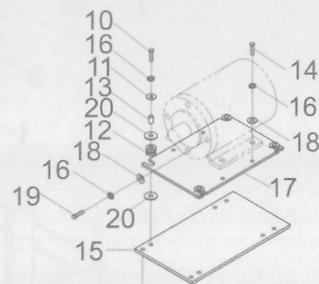
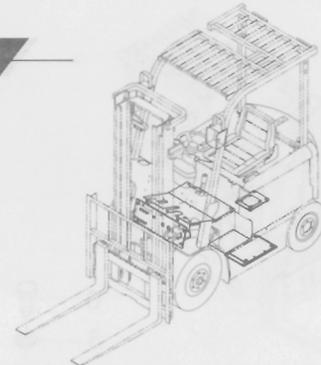


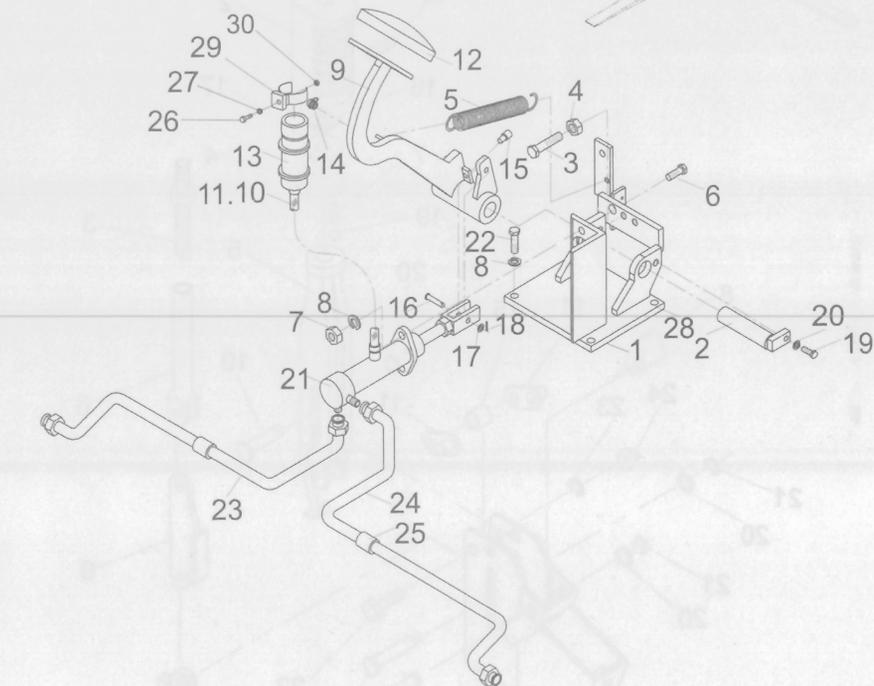


图42/FIG42

## 行车制动装置/BRAKE CONTROL UNIT

F1

序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark
01	15D20-10	Bracket	支架	1
02	15D20-20	Shaft, oil	油轴	1
03	B0530-10035	Bolt	螺栓M10X1.25X35	1 GB5786-86
04	B4430-00010	Nut	螺母M10X1.25	1 GB6173-86
05	15D20-00-01	Spring	拉簧	1
06	B0230-10035	Bolt	螺栓M10X35	2 GB5782-86
07	B4313-00010	Nut	螺母M10	2 GB6172-86
08	B5050-00010	Washer	垫圈10	6 GB93-87
09	15D20-30	Pedal, brake	制动踏板	1
10	Z4501-13019	Clip, hose	喉箍	2
11	Z7300-09040	Hose, reserve	橡胶管 $\varnothing 9$ 内径	1 L=400 $\pm$ 10
12	25595-42071	Cover, pedal head	踏板垫	1
13	15D20-00*13	Tank, reserve	储油罐	1
14	Z2500-01010	Fitting	油杯M10X1	1 GB1152-74
15	23235-40091	Stopper, rubber	橡皮顶轴	1
16	B3230-08030	Pin	销轴8X30	1 GB882-86
17	B5310-00008	Washer	垫圈8	1 GB97.1-85
18	B3010-02015	Pin, cotter	销2X15	1 GB91-86
19	B0230-08016	Bolt	螺栓M8X16	1 GB5782-86
20	B5050-00008	Washer	垫圈8	1 GB93-87
21	25595-40302	Master cylinder	制动总泵	1
22	GB5782-86	Bolt	螺栓M10X25	4
23	15D20-40	Pipe, brake	油管总成	1
24	15D20-50	Pipe, brake	油管总成	1
25	24235-42201	Clip	管夹	2
26	B0320-04016	Bolt	螺栓M4X16	1 GB5783-86
27	B5310-00004	Washer	垫圈4	1 GB97.1-85
28	15D50-00-01	Clip	管夹片	2
29	23776-42351	Clip	卡子	1
30	B4223-00004	Nut	螺母M4	1 GB6171-86



CPD10,15,18

序号  
Item  
No图号  
Part No零部件名称  
Description件数  
Q'ty备注  
Remark

序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark	
A	A73J3-60002	Parking brake	1	制动操纵器	
01	THN-111	Lever,adjust	1	调节杆	
02	HHN-110	Spring	1	手柄头	
03	THN-500	Stud	1	螺杆	
04	THN-101	Seat	1	手柄座	
05	A73J3-60002-10	Lever	1	闸把体	
06	THN-600	Rod	1	拉杆体	
07	THN-200	Spring	1	弹簧1X6X10.8	
08	THN-098A	Stopper	1	限位块	
09	THN-900-00	Link	1	拉板总成	
10	THN-070	Pin	1	平头销 $\varnothing 8$ L=35	
11	THN-40-00	Plate	2	支承板总成	
12	THN-070	Pin	2	平头销 $\varnothing 8$ L=45	
13	21235-52171G	Bracket	1	挂线架	
14	A73J3-60002-20	Bracket	1	支架总成	
15	25785-52261	Washer	1	垫圈II	
16	B7810-00010	Nut	1	方螺母 $\delta=4$	GB39-88
17	GB96-85	Plate	1	大垫圈8	GB96-85
18	B1830-04004	Screw	1	内六角凹端紧定螺钉M4X4	GB80-85
19	Z1510-G0060	Ball	1	钢球 $\varnothing 6$	GB308-89
20	B5310-00008	Washer	6	垫圈8	GB97.1-85
21	B6250-00006	Snap ring	3	开口挡圈6	GB896-86
22	B0230-10045	Bolt	1	螺栓M10X45	GB5782-86
23	B5050-00010	Washer,lock	1	垫圈10	GB93-87
24	GB802-88	Nut	1	组合式盖形螺母M10	GB802-88
25	B0230-10025	Bolt	2	螺栓M10X25	GB5782-86

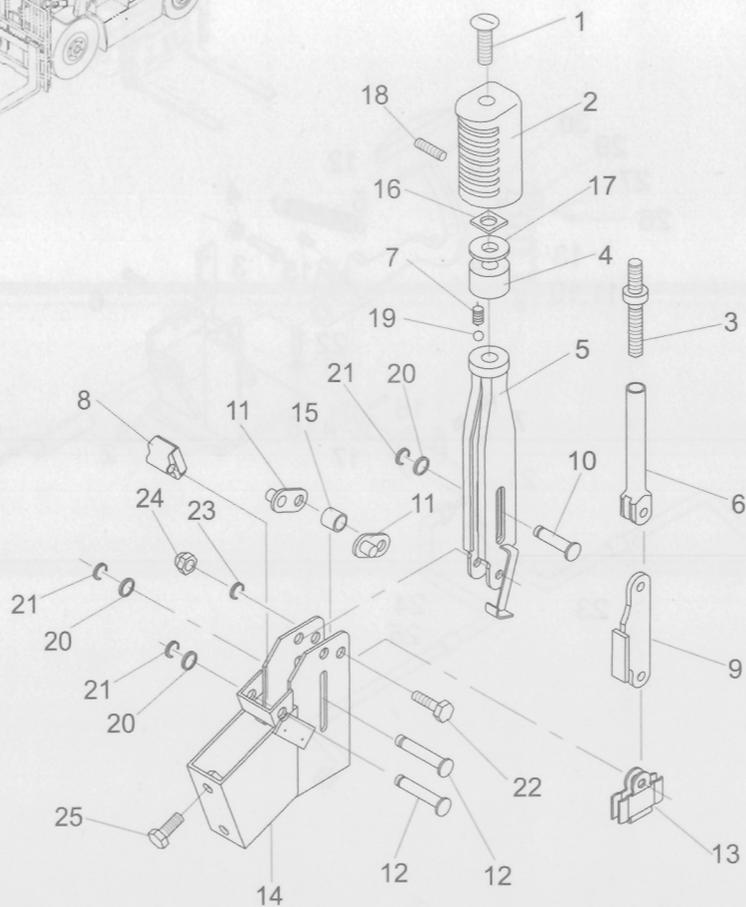
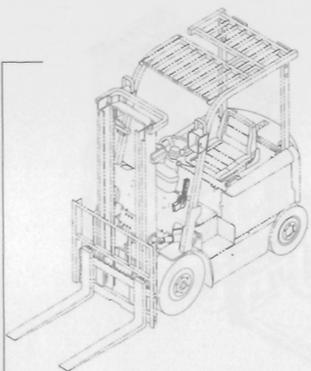


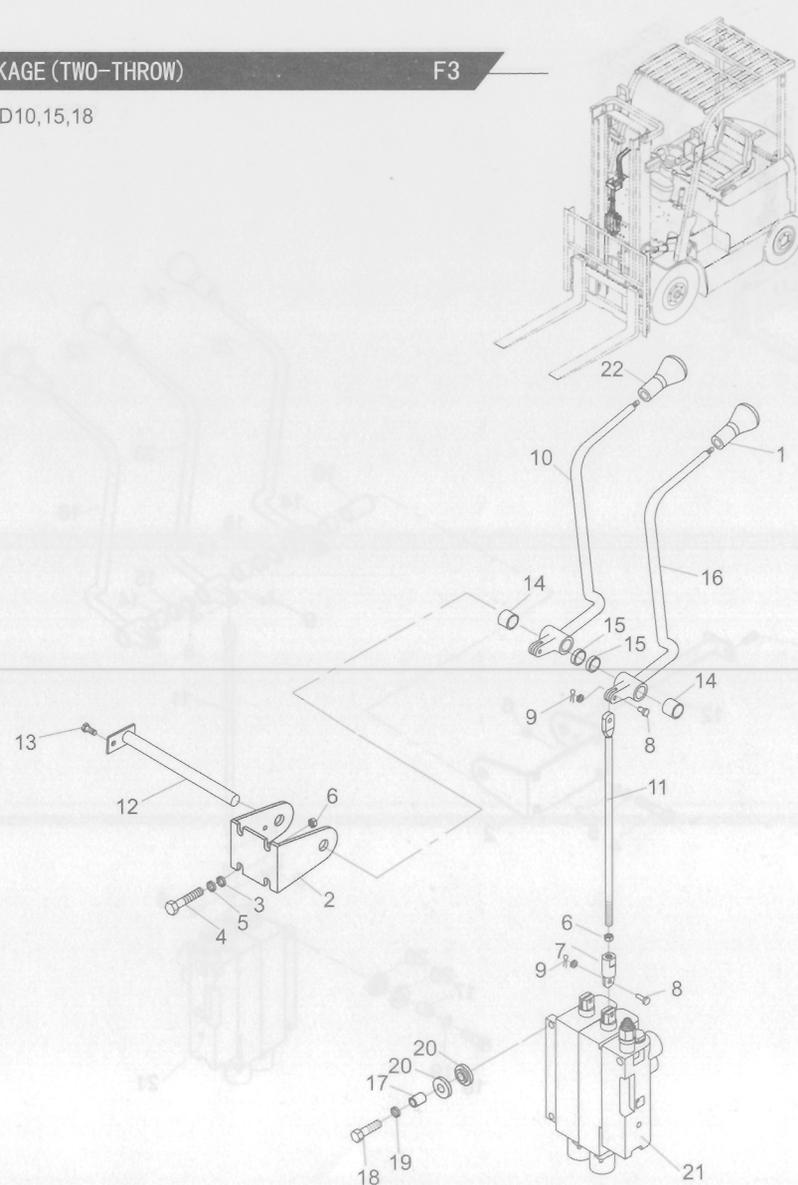
图44/FIG44

操纵杆总成(二片)/VALVE CONTROL LINKAGE (TWO-THROW)

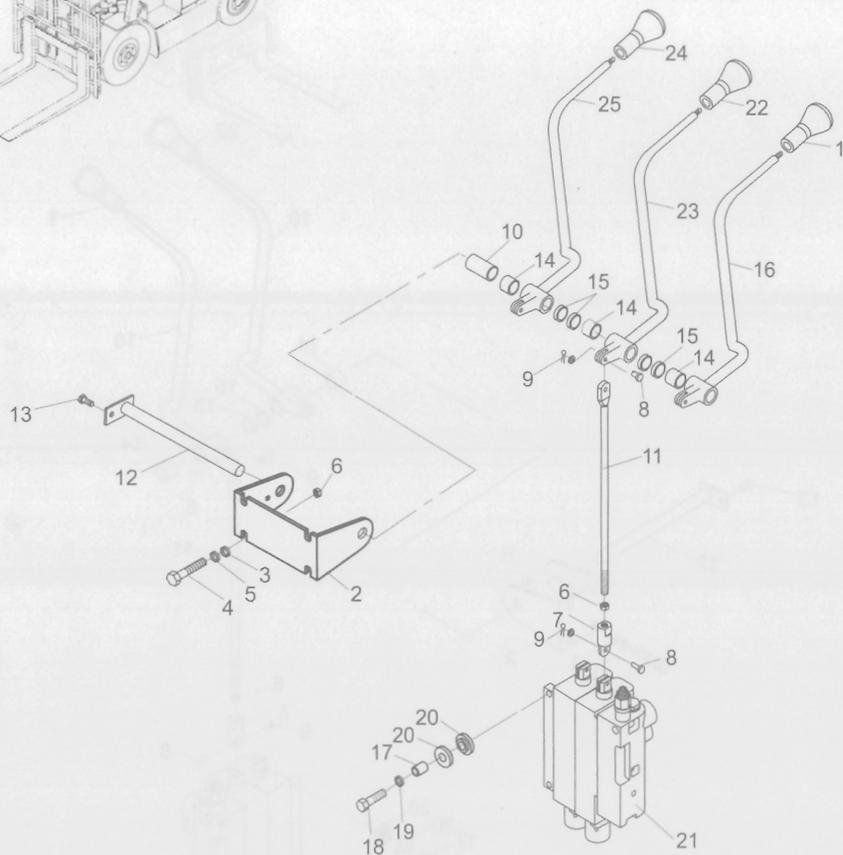
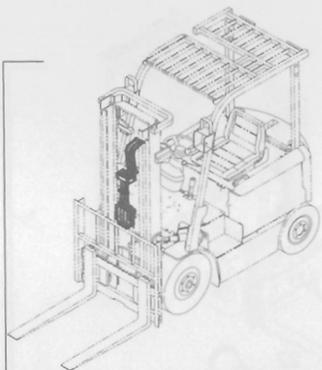
F3

序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark
1	HRA22A7406 214A7-42001	Knob, lift 升降手柄	1	
2	HRH24C7402 H24C7-42011	Bracket, valve lever 阀杆支架	1	
3	B5310-00008	Washer 垫圈	4	GB97.1-85
4	B0330-08020	Bolt 螺栓M8X20	4	GB5783-86
5	B5050-00008	Washer,lock 垫圈	4	GB93-87
6	B4123-00008	Nut 螺母M8	6	GB6170-86
7	15D50-50-12	Tie-in 接头	2	
8	22717-40061	Pin 销钉	4	
9	B3010-02012	Pin,cotter 开口销2X12	4	GB91-86
10	HRH24C7403 H24C7-40201	Lever,tilt 倾斜阀杆	1	
11	A65S7-52001	Joint 连接杆	2	
12	23647-40041*1	Shaft,level 连接轴	1	
13	B1110-06012	Screw 螺钉M6X12	1	GB67-85
14	23452-42101	Bushing 衬套	2	
15	22517-40051	Shim 垫片	2	
16	HRH24C7403 H24C7-40101	Lever, lift 升降阀杆	1	
17	H24C7-42101	Sleeve 套管	3	
18	B0530-10035	Bolt 螺栓M10X1.25X35	3	GB5786-86
19	B5210-00010	Washer 垫圈10	3	GB96-85
20	H24C7-42121	Rubber 减振垫	6	
21	HRA65S7301 A65S7-30021	Control valve 多路阀	1	
22	HRA22A7406 214A7-42011	Knob, tilt 倾斜手柄	1	

CPD10,15,18



CPD10,15,18



序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark
1	HRA22A7406 214A7-42001	Knob, lift	升降手柄	1
2	HRH24C7402 H24C7-42021	Bracket, valve lever	阀杆支架	1
3	B5310-00008	Washer	垫圈8	4 GB97.1-85
4	B0330-08020	Bolt	螺栓M8X20	4 GB5783-86
5	B5050-00008	Washer,lock	垫圈8	4 GB93-87
6	B4123-00008	Nut	螺母M8	7 GB6170-86
7	15D50-50-12	Tie-in	接头	3
8	22717-40061	Pin	销钉	6
9	B3010-02012	Pin,cotter	开口销2X12	6 GB91-86
10	23657-42131	Sleeve	调节套	1
11	A65S7-52001	Joint	连接杆	3
12	23647-40041*2	Shaft,level	连接轴	1
13	B1110-06012	Screw	螺钉M6X12	1 GB67-85
14	23452-42101	Bushing	衬套	3
15	22517-40051	Shim	垫片	4
16	HRH24C7403 H24C7-40101	Lever, lift	升降阀杆	1
17	H24C7-42101	Sleeve	套管	3
18	B0530-10035	Bolt	螺栓M10X1.25X35	3 GB5786-86
19	B5210-00010	Washer	垫圈10	3 GB96-85
20	H24C7-42121	Rubber	减振垫	6
21	HRA65S7301 A65S7-30031	Control valve	多路阀	1
22	HRA22A7406 214A7-42011	Knob, tilt	倾斜手柄	1
23	HRH24C7403 H24C7-40201	Lever, tilt	倾斜阀杆	1
24	HRA22A7406 514A2-72401	Knob, third	第三操纵手柄	1
25	HRH24C7403 H24C7-40301	Lever, third	第三操纵杆	1



CPD10,1518

序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark
1	A65E7-62201	Hose H.P.	2	高压胶管
2	JT7021-12051	Nipple	1	直通接头
3	B5050-00006	Washer	9	垫圈6
4	B0330-06025	Bolt	2	螺栓M6X25
5	A65S7-60201	Steel pipe ass'y	1	倾斜缸钢管总成
6	H24C7-60322	Hose H.P.	2	高压胶管
7	B0530-10025	Bolt	1	螺栓M10X1.25X25
8	B5310-00010	Washer	11	垫圈10
9	B4223-00010	Nut	5	螺母M10X1.25
10	B0330-10040	Bolt	5	螺栓M10X40
11	B5050-00010	Washer,lock	14	垫圈10
12	JT6021-20021	Nipple	2	直通接头(包括29)
13	JT6022-22031	Elbow	3	直角接头(包括29)
14	JT7022-14021	Elbow	4	直角接头(包括31)
15	A65E7-62011	Hose,return	1	多路阀回油管
16	Z4590-00045	Clip	8	双钢丝卡箍Ø45
17	25597-60301G	Oil filter	1	滤油器
18	A65E7-62021	Hose,return	1	多路阀回油管2
19	Z7300-13085	Hose,return	1	转向器回油管Ø13X850
20	Z4590-00024	Clip	4	双钢丝卡箍Ø24
21	A65H7-62001	Hose	1	吸油管
-	A6E77-62001	Hose	1	吸油管
22	Z6004-02202	O-ring	2	0型密封圈22X2.4
-			4	三片阀Three-throw
-			4	四片阀Four-throw
-			6	五片阀Five-throw
23	Z6004-01101	O-ring	2	0型密封圈11X1.9
-			4	三片阀Three-throw
-			4	四片阀Four-throw
-			6	五片阀Five-throw
24	Z6053-01502	O-ring	1	0型密封圈16X6.25
25	Z6054-01502	O-ring	1	0型密封圈16X6.25
26	Z6003-02402	O-ring	1	0型密封圈22X2.4
27	Z9501-08158	Hose H.P.	1	高压胶管
-	Z9501-08146	Hose H.P.	1	高压胶管

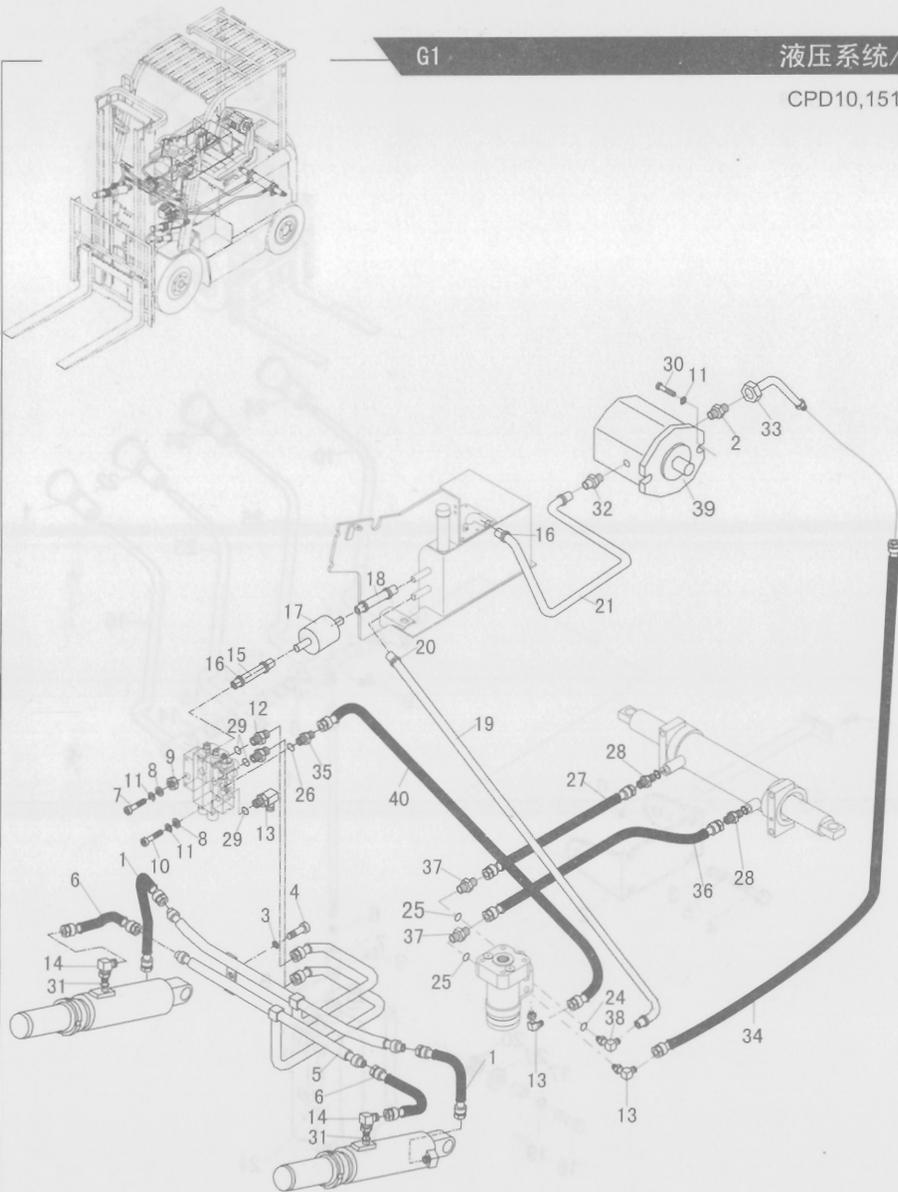
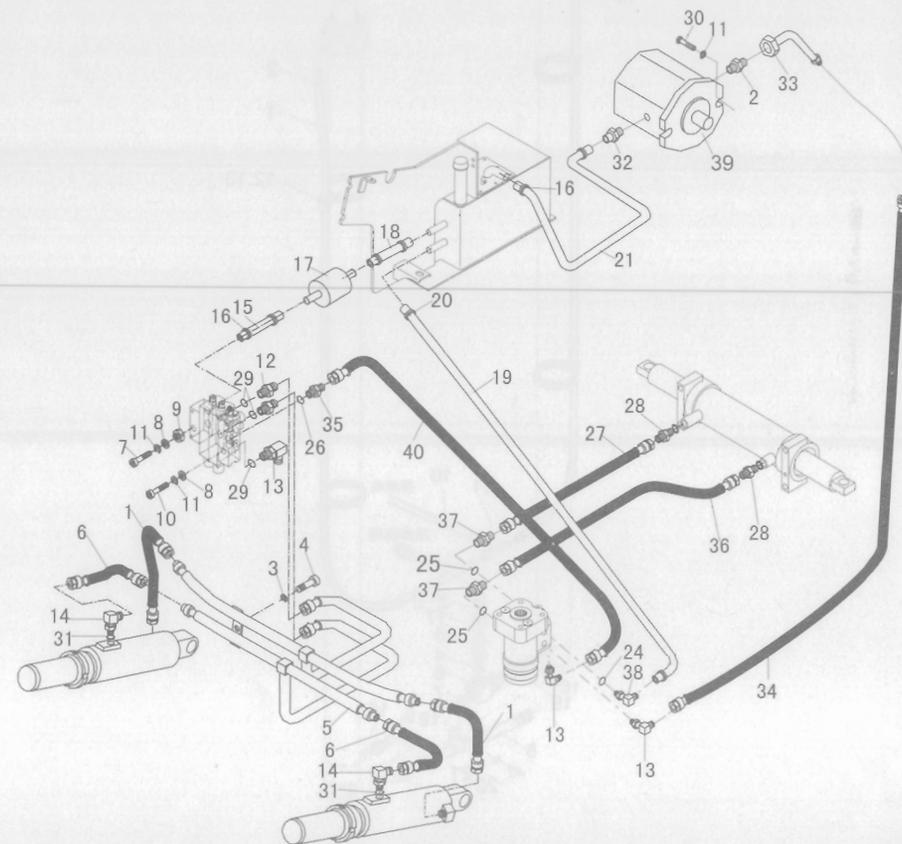


图47/FIG47

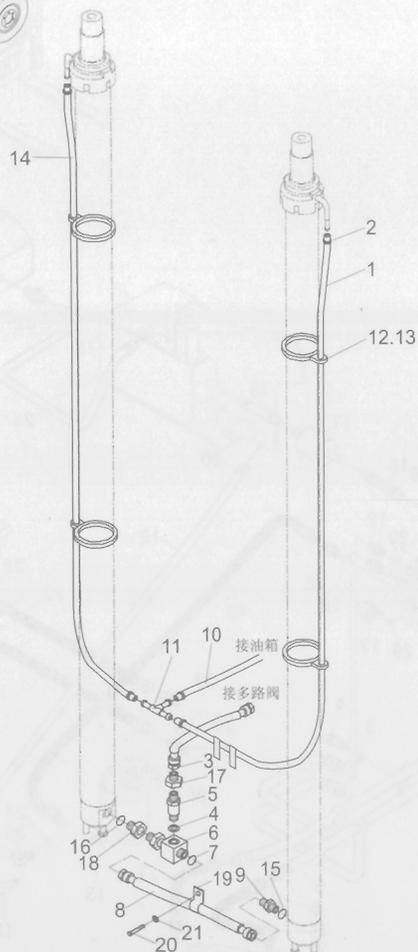
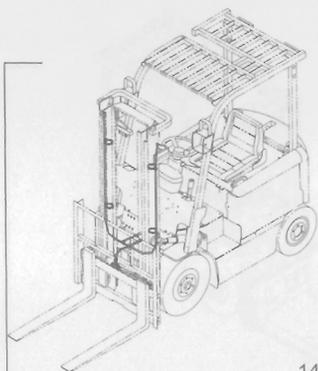
## 液压系统/HYDRAULIC SYSTEM

G1

序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark
28	JT6025-16071	Nipple 直通接头	2	
29	Z6003-02202	O-ring O型密封圈22X2.4	5	GB1235-76
30	B0330-10030	Bolt 螺栓M10X30	2	GB5783-86
31	Z6003-01502	O-ring O型密封圈15X2.4	4	GB1235-76
32	JT7021-10011	Nipple 直通接头	1	
33	A65H7-60221	Hose 出油管总成	1	
34	Z9502-1305022	Hose H.P. 高压胶管13#X500	1	CPD10-18-C CPD10-18L-C
-	Z9502-1303622	Hose H.P. 高压胶管13#X360	1	CPD10-15-F CPD10-15L-F
35	JT6021-22051	Nipple 直通接头(包含26)	1	
36	Z9501-08150	Hose H.P. 高压胶管	1	CPD10-18-C CPD10-18L-C
-	Z9501-08138	Hose H.P. 高压胶管	1	CPD10-15-F CPD10-15L-F
37	JT6021-18201	Elbow 接头(包括25)	2	
38	JT6022-18121	Elbow 直角接头(包括24)	1	
39	A61F7-10001	Gear pump 齿轮泵(DSG05C14.5)	1	1.1.5t用
-	A75G7-10001	Lift pump 起升油泵(DSG05C18)	1	1.8t用
40	Z9502-1309022GS	Hose H.P. 高压胶管	1	
41	JT6022-20061	Elbow 直角接头(包括22.23)	1	三片阀Three-throw 2 四片阀Four-throw 3 五片阀Five-throw
42	JT6022-20071	Elbow 直角接头(包括22.23)	1	三片阀Three-throw 2 四片阀Four-throw 3 五片阀Five-throw
43	22497-61010	Plug 堵头	2	三片阀Three-throw 4 四片阀Four-throw 6 五片阀Five-throw



CPD10,15,18

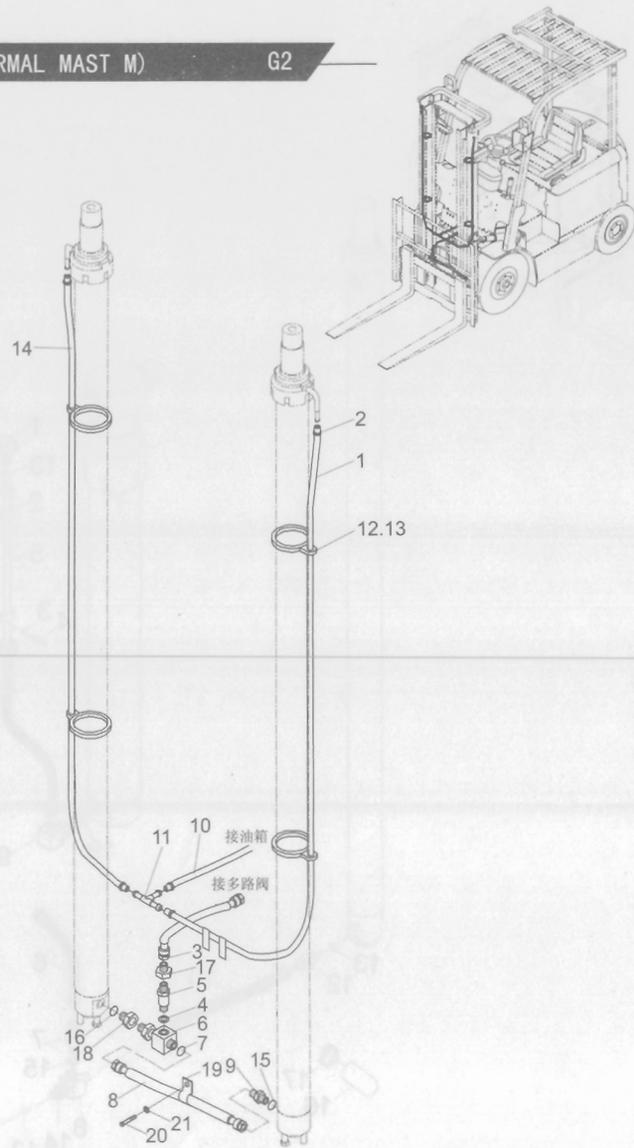


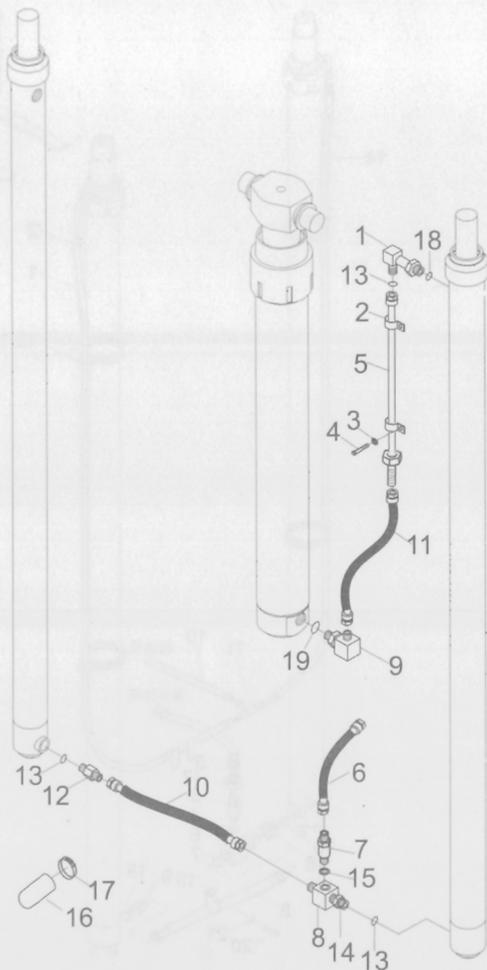
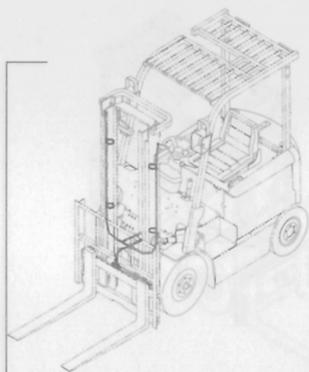
序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark
A	HRD12C8601	Mast hydraulic system 门架管路系统	1	Metric 公制螺纹
-	HRE12C8601	Mast hydraulic system 门架管路系统	1	SAE 美制螺纹
01		Tube vinyl 塑料回油管	1	见表 See optional parts
02	Z4500-10016	Clip 卡箍10-16	6	
03	Z9502-130522GS	Hose H.P. 高压胶管13ΠX520	1	Metric 公制螺纹
-	Z7802-1307522GS	Hose H.P. 高压胶管13ΠX750	1	SAE 美制螺纹
04	Z6700-02227	Washer 组合垫圈22	1	JB982-77
05	D10B8-60401	Flow regulator 限速阀	1	
06	JT6031-22031	Three way 三通接头	1	Metric 公制螺纹
-	JT8031-96031	Three way 三通接头	1	SAE 美制螺纹
07	Z6003-02202	O-ring O型密封圈22X2.4	1	GB1235-76
08	Z9502-08034	Hose H.P. 高压胶管8ΠX340	1	Metric 公制螺纹
-	Z7802-08034	Hose H.P. 高压胶管8ΠX340	1	SAE 美制螺纹
09	D12C8-60211	Valve(Inc.15) 切断阀(包含15)	1	Metric 公制螺纹
-	E12C8-60211	Valve(Inc.15) 切断阀(包含15)	1	SAE 美制螺纹
10	Z7400-14105	Tube vinyl 塑料回油管∅14X1050	1	
11	JT6031-08011	Three way 三通接头	1	
12	24239-44311	Band 回油管管夹片	4	
13	23659-40010G	Clip 卡箍	4	
14		Tube vinyl 塑料回油管	1	见表 See optional parts
15	Z6004-01802	O-ring O形密封圈18X2.4	1	GB1235-76
16	Z6003-02202	O-ring O形密封圈22X2.4	1	GB1235-76
17	D12C8-65001	Elbow 直角接头	1	Metric 公制螺纹
-	E20B8-60201	Nipple 过渡接头	1	SAE 美制螺纹
18	JT6021-20101	Nipple(Inc.16) 直通接头(包含16)	1	
19	D12C8-62021	Clip 管夹	1	
20	B0530-10020	Bolt 螺栓M10X1.25X20	1	GB5786-86
21	B5050-00010	Washer,lock 垫圈10	1	GB93-87

管路系统选用件 Mast Piping Optional Parts

CPD10,15,18

起升高度 IFTING HEIGHT	件1塑料回油管长度 PLASTIC HOSE		件14塑料回油管长度 PLASTIC HOSE		备注 REMARK
	图号 (公制) PART NO (METRIC)	图号 (美制) PART NO (SAE)	图号 (公制) PART NO (METRIC)	图号 (美制) PART NO (SAE)	
M200	Z7400-12103	Z7400-12115	Z7400-12102	Z7400-12110	
225	-12125	-12125	-12120	-12120	
250	-12140	-12140	-12135	-12135	
270	-12150	-12150	-12145	-12145	
275	-12150	-12150	-12145	-12145	
300	-12150	-12160	-12150	-12160	标准 STD
325	-12175	-12175	-12170	-12170	
330	-12165	-12180	-12160	-12175	
350	-12190	-12190	-12185	-12185	
366	-12200	-12200	-12195	-12195	
370	-12200	-12200	-12195	-12195	
375	-12200	-12200	-12195	-12195	
400	-12205	-12220	-12200	-12215	
425	-12230	-12230	-12250	-12250	
450	-12230	-12245	-12225	-12240	
475	-12255	-12255	-12250	-12250	
500	-12270	-12270	-12265	-12265	
550	-12300	-12300	-12295	-12295	
600	-12325	-12325	-12320	-12320	





CPD10,15,18

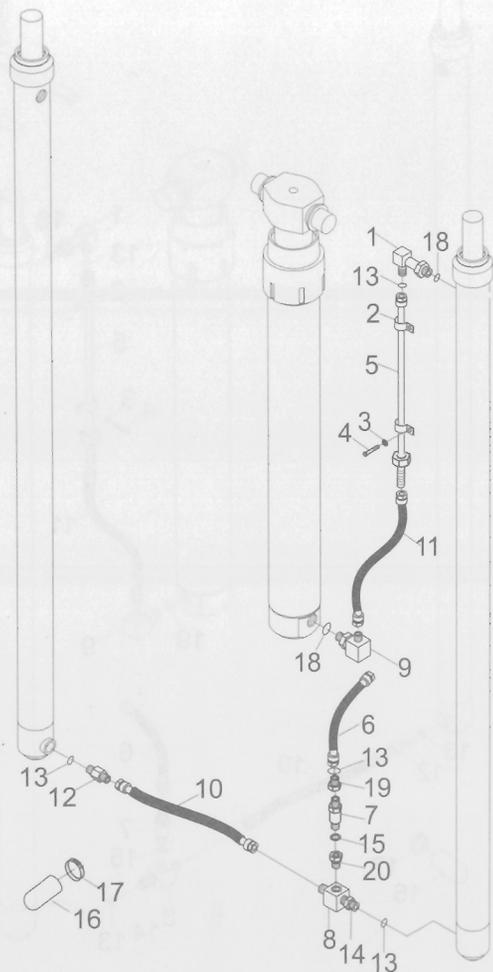
序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark
A	HRD16L8601	Mast hydraulic system 门架管路系统	1	公制 EX-B
01	20020-10020	Elbow(Inc.13,18) 直角接头(包括13, 18)	1	
02	23670-62201	Clip 管夹	2	
03	B5050-00006	Washer,lock 垫圈6	2	GB93-87
04	B0330-06016	Bolt 螺栓M6X16	2	GB5783-86
05	REF208232	Steel pipe ass'y 钢管总成	1	见选用件表 See op. Parts
06	Z9502-13065	Hose H.P. 高压胶管 $\phi$ 13II $\times$ 650	1	
07	D10B8-60401	Flow regulator 限速阀	1	
08	D10B8-62001	Three way 三通接头	1	
09	64460-52000	Elbow(Inc.19) 直角接头(包括19)	1	
10	Z9502-08033	Hose H.P. 高压胶管 $\phi$ 8II $\times$ 330	1	
11	REF339337G	Hose H.P. 胶管接头13II	1	见选用件表 See op. Parts
12	D10B8-60301	Nipple(Inc.13) 升降油缸直通管接头(包括13)	1	
13	Z6003-02202	O-ring 0型密封圈22X2.4	3	GB1235-76
14	21198-40100	Connector(Inc.13) 升降缸过渡接头(包括13)	1	
15	Z6700-02227	Washer 组合垫圈22	1	GB983-77
16	23650-89901	Sleeve 封头套管	1	
17	Z4690-00019	Clip 双钢丝卡箍	1	
18	Z6004-02402	O-ring 0型密封圈22X2.4	1	GB1235-76
19	Z6003-01802	O-ring 0型密封圈18X2.4	1	GB1235-76



CPD10,15,18

序号  
Item  
No图号  
Part No零部件名称  
Description件数  
Q'ty备注  
Remark

序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark
A	HRE16L0601	Mast hydraulic system 门架管路系统	1	美制 EX-A
01	20020-10020	Elbow(Inc.13,18) 直角接头(包括13, 18)	1	
02	23670-62201	Clip 管夹	2	
03	B5050-00006	Washer,lock 垫圈6	2	GB93-87
04	B0330-06016	Bolt 螺栓M6X16	2	GB5783-86
05	HRD26D8605	Steel pipe ass'y 钢管总成	1	见选用件表 See op. Parts
06	Z7802-13080	Hose H.P. 高压胶管	1	
07	D10B8-60401	Flow regulator 限速阀	1	
08	E10B8-60201	Three way 三通接头	1	
09	H26D7-60241	Elbow(Inc.18) 直角接头(包括18)	1	
10	Z7802-10035	Hose H.P. 高压胶管	1	
11	REF339337G	Hose H.P. 高压胶管	1	见选用件表 See op. Parts
12	E10B8-60301	Hose H.P.(Inc.13). 直通接头(包括13)	1	
13	Z6003-02202	O-ring O型密封圈22X2.4	4	GB1235-76
14	21198-40100	Connector(Inc.13) 升降缸过渡接头(包括13)	1	
15	Z6700-02227	Washer 组合垫圈22	1	GB983-77
16	23650-89901	Sleeve 封头套管	1	
17	Z4690-00019	Clip 双钢丝卡箍	1	
18	Z6004-02402	O-ring O型密封圈22X2.4	2	GB1235-76
19	E20B8-60201	Nipple(Inc.13) 过渡接头(Inc.13)	1	
20	24258-47011G	Nipple 限速阀过渡接头	1	



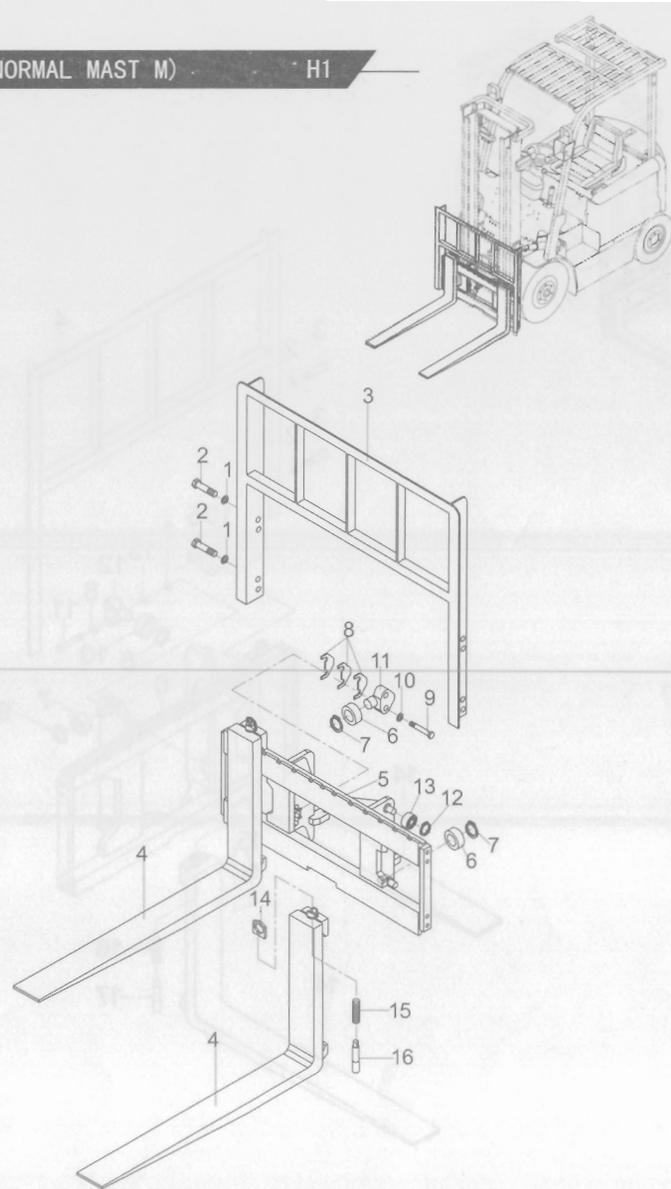




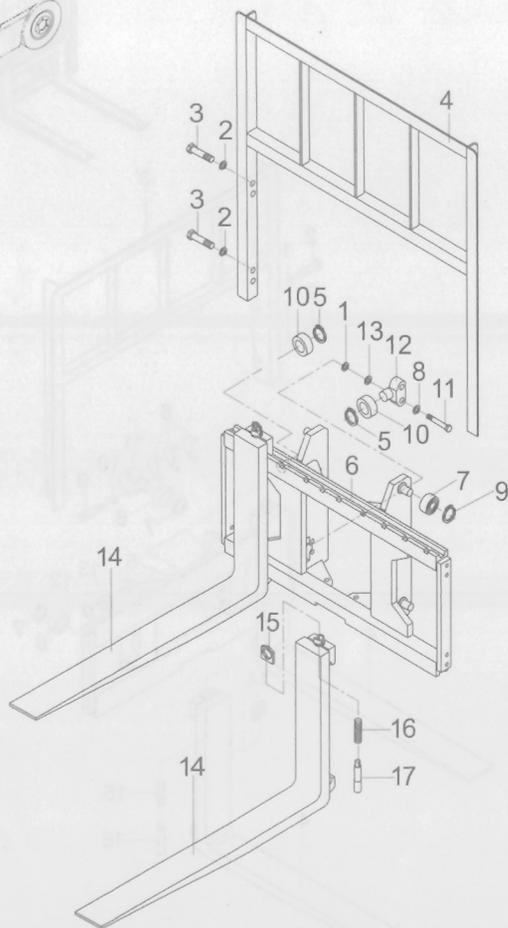
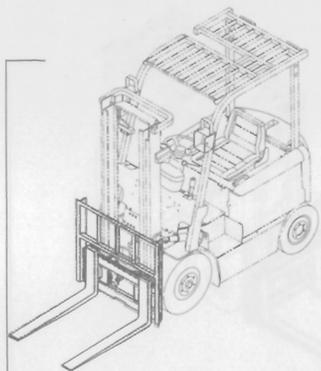
货叉选用件表 Fork optional parts

CPD10,15,18

型式 MODEL	货叉体代号 PART NO.	长度 LENGTH	备注 REMARK
LF167-10H	D10B8-12181	1670	
LF152-10H	-12171	1520	
LF137-10H	-12161	1370	
LF122-10H	-12151	1220	
LF107-10H	-12141	1070	
LF92-10H	-12131	920	1.8t STD
LF85-10H	-12121	850	
LF167-10F	-12111	1670	
LF152-10F	-12091	1520	
LF137-10F	-12081	1370	
LF122-10F	-12071	1220	
LF107-10F	-12061	1070	
LF92-10F	-12051	920	1.5t STD
LF85-10F	-12041	850	
LF92-10B	-12031	920	
LF85-10B	-12021	850	
LF77-10B	-12011	770	1t STD



CPD10,15,18

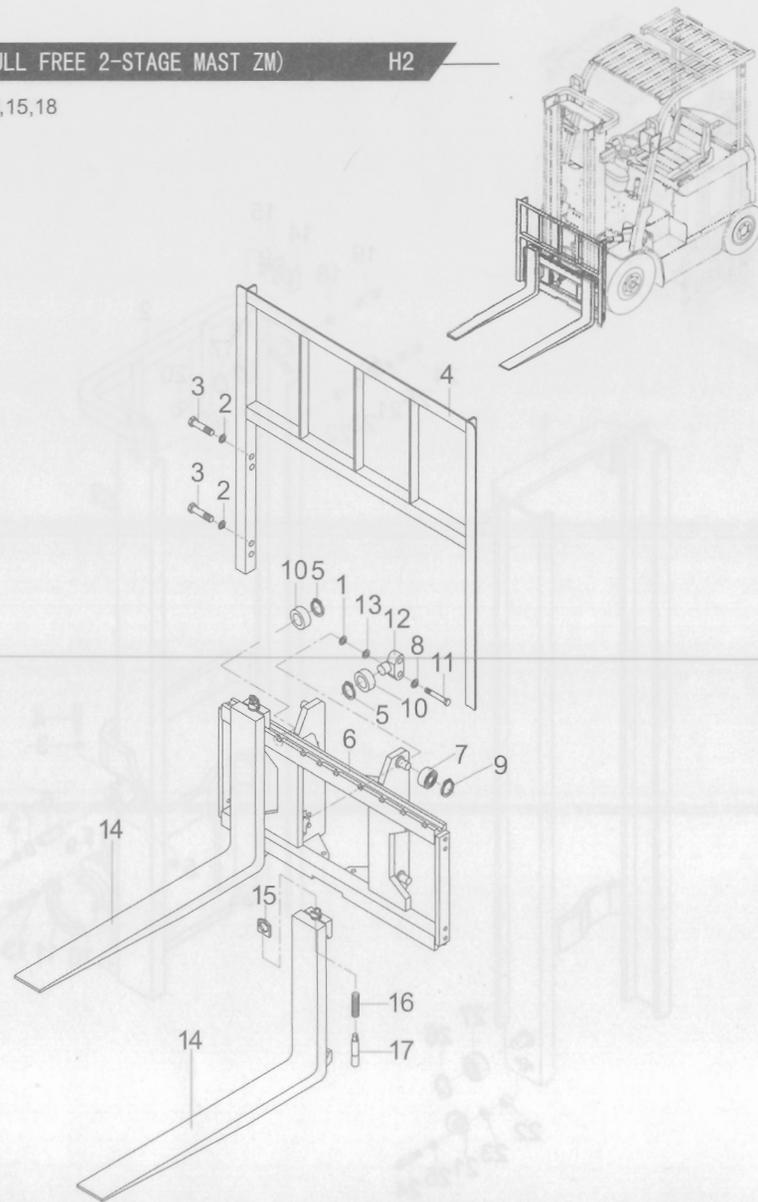


序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark
01	23917-42191	Washer	垫圈 12	
02	B5050-00012	Washer,lock	垫圈12 8	GB93-87
03	B0330-12025	Bolt	螺栓M12 X30 8	GB5783-86
04	D20B8-20701	Backrest	挡货架 1	
05	B6150-00025	Snap ring	挡圈25 4	GB894.1-86
06	D16L0-60021	Lift bracket	货叉架 1	
07	Y30208-N	End roller	主滚轮 4	
08	B5050-00016	Washer,lock	垫圈16 4	GB93-87
09	B6150-00040	Snap ring	挡圈40 4	GB894.1-86
10	22578-22401	Spacing roller	限位滚轮 4	
11	B0330-16045	Bolt	螺栓M16X45 4	GB5783-86
12	22679-43761	Shaft	侧滚轮轴 2	
13	22679-43831	Washer	垫圈 8	
14	HRD10B8101	Fork	货叉总成 2	见选用件表 See op. Parts
B	D20B8-10201	Stopper(Inc.15-17)	货叉销(包含15-17) 2	
15	D20B8-12031	Handle	把手 2	
16	D20B8-12001	Spring	弹簧 2	
17	D20B8-12011	Stopper	定位销 2	

货叉选用件表 Fork optional parts

CPD10,15,18

型式 MODEL	货叉体代号 PART NO.	长度 LENGTH	备注 REMARK
LF167-10H	D10B8-12181	1670	
LF152-10H	-12171	1520	
LF137-10H	-12161	1370	
LF122-10H	-12151	1220	
LF107-10H	-12141	1070	
LF92-10H	-12131	920	1.8t STD
LF85-10H	-12121	850	
LF167-10F	-12111	1670	
LF152-10F	-12091	1520	
LF137-10F	-12081	1370	
LF122-10F	-12071	1220	
LF107-10F	-12061	1070	
LF92-10F	-12051	920	1.5t STD
LF85-10F	-12041	850	
LF92-10B	-12031	920	
LF85-10B	-12021	850	
LF77-10B	-12011	770	1t STD



H3

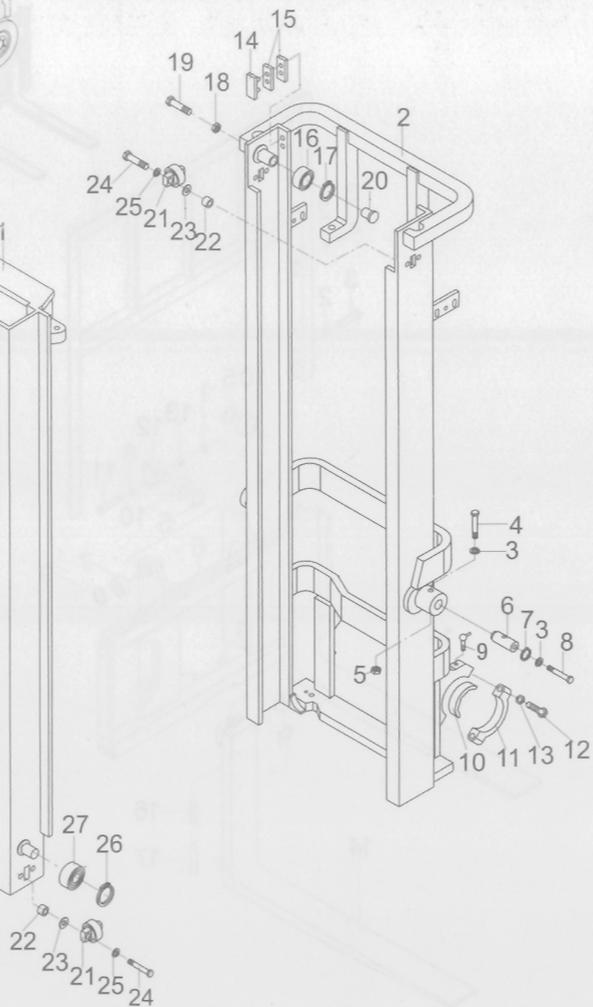
## 门架(基本型)/MAST(NORMAL MAST M)

图53/FIG53

CPD10,15,18

序号  
Item  
No图号  
Part No零部件名称  
Description件数  
Q'ty备注  
Remark

序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark
01	HRD12C8303A	Inner master	1	内门架总成
02	HRD12C8302A	Outer master	1	外门架总成
03	B5050-00012	Washer,lock	4	垫圈12 GB93-87
04	01100-12080	Bolt	2	螺栓M12X25
05	B4116-00012	Nut	2	螺母M12 GB6170-86
06	D10B8-02301	Pin	2	倾斜油缸销轴II
07	27042-62661	Snap ring	2	挡圈
08	B0330-12025	Bolt	2	螺栓M12X25 GB5783-86
09	Q700B01	Grease fitting	2	直通式滑脂嘴 ZBT33001.1-88
10	D20B8-02001	Bushing	2	轴衬
11	24236-12632	Cap	2	支座盖
12	B0230-14065	Bolt	4	螺栓M14X65 GB5782-86
13	B5050-00014	Washer,lock	4	垫圈14 GB93-87
14	20028-32001*G	Slipper	2	限位滑块
15	20029-43231*2	Shim	4组	调整垫片
16	22198-22341	Side roller	2	侧滚轮
17	B6150-00030	Snap ring	2	挡圈30 GB894.1-86
18	B4116-00010	Nut	2	螺母M10 GB6170-86
19	B8330-10035	Screw	2	螺钉M10X35 GB79-85
20	D10B8-03201	Slipper	2	滑块
21	22018-30303G	Side roller	4	侧滚轮
22	20019-32841	Spacer	8	垫块
23	23308-22051*2	Shim	4组	调整垫片
24	B0330-10045	Bolt	8	螺栓M10X45 GB5783-86
25	B5050-00010	Washer,lock	8	垫圈10 GB93-87
26	B6150-00040	Snap ring	2	挡圈40 GB894.1-86
27	Y30208-N	End roller	2	主滚轮

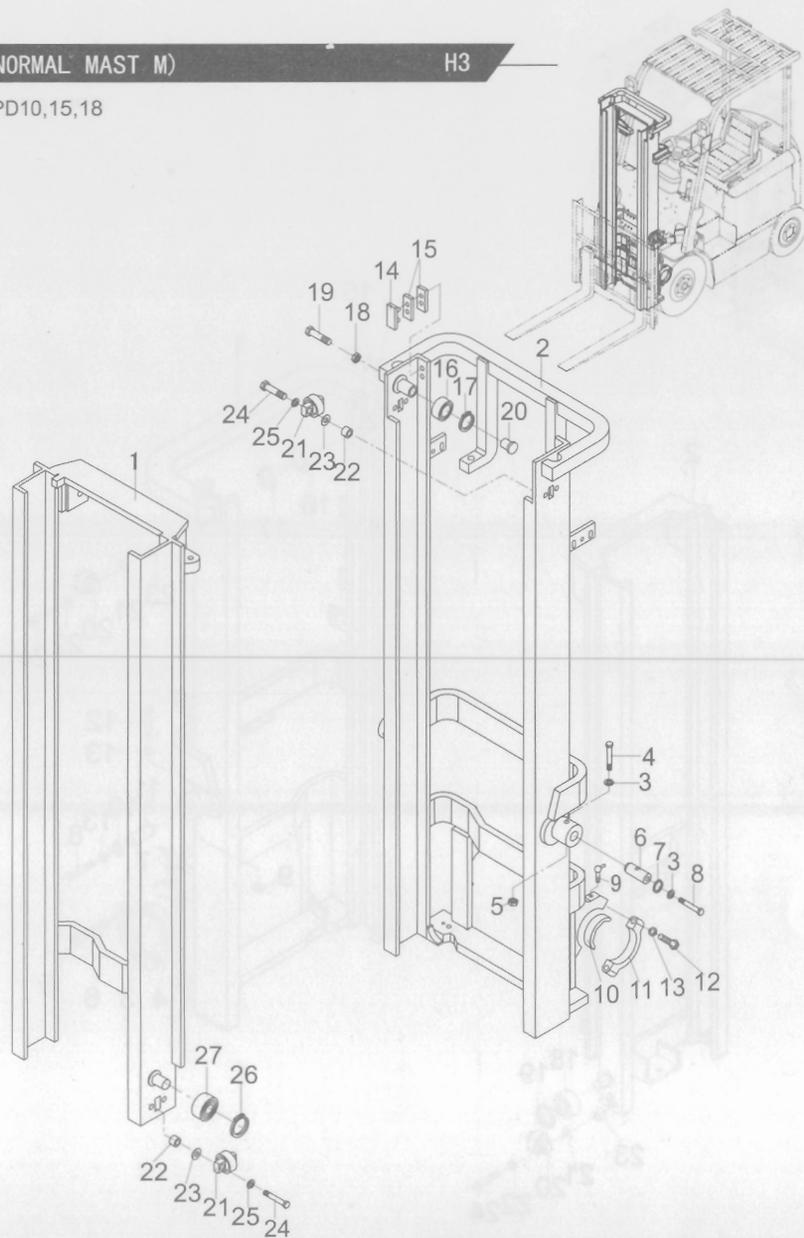


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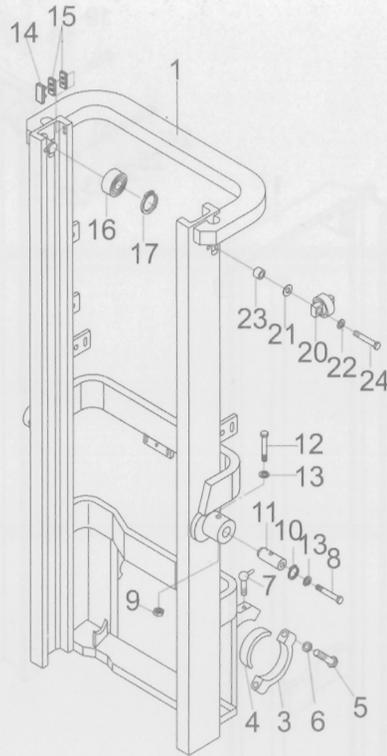
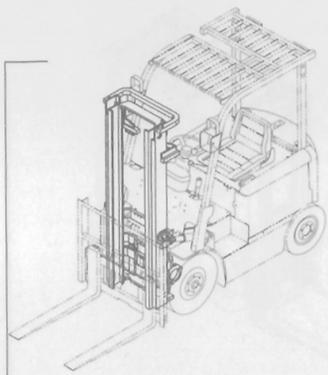
门架选用件表 Mast Optional Parts

CPD10,15,18

起升高度 LIFTING HEIGHT	外门架总成 OUTER MAST	内门架总成 INNER MAST	备注 REMARK
M200	D12C8-30011A	D12C8-30411A	
225	-30021A	-30421A	
250	-30031A	-30431A	
270	-30041A	-30441A	
275	-30051A	-30451A	
300	-30001A	-30401A	标准 STD
325	-30061A	-30461A	
330	-30071A	-30471A	
350	-30081A	-30481A	
366	-30091A	-30491A	
370	-30101A	-30511A	
375	-30111A	-30521A	
400	-30121A	-30531A	
425	-30131A	-30541A	
450	-30141A	-30551A	
475	-30151A	-30561A	
500	-30161A	-30571A	
550	-30171A	-30581A	
600	-30181A	-30591A	

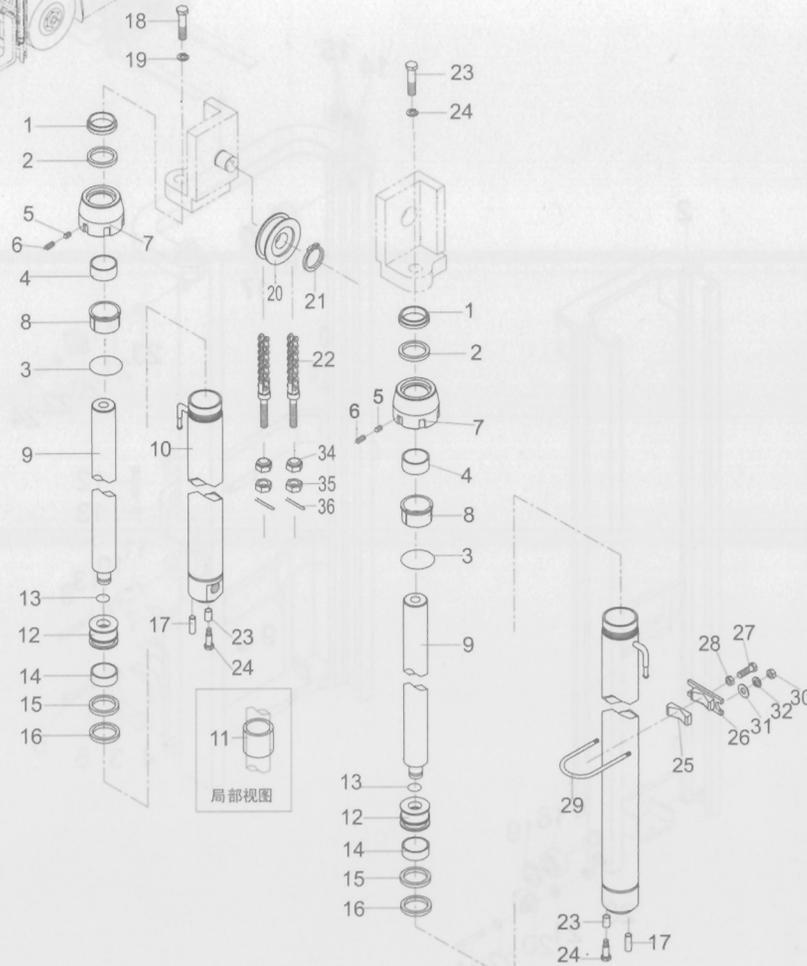
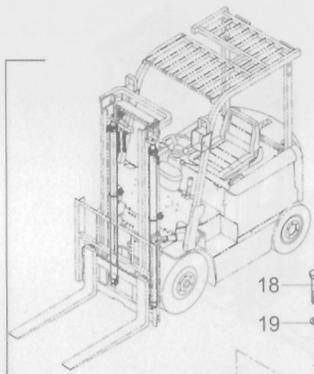


CPD10,15,18



序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark
01	HRD65E0401A	Mast ass'y,outer	1	外门架总成 见选用件表 See op. Parts
02	HRD16L0420	Mast ass'y,inner	1	内门架总成 见选用件表 See op. Parts
03	24236-12362	Cap	2	支座盖
04	22518-30032	Bushing	2	轴衬
05	B0230-14065	Bolt	4	螺栓M14X65 GB8752-86
06	B5050-00014	Washer	8	垫圈14 GB93-87
07	Q701B45	Fitting	2	弯颈式滑脂油嘴 ZBT33001.2-88
08	01100-12080	Bolt	2	螺栓
09	B4116-00012	Nut	2	螺母M12 GB93-87
10	27042-62261	Snap ring	2	挡圈
11	D10B8-02301	Pin	2	倾斜油缸销轴II
12	B0330-12025	Bolt	4	螺栓M12X25 GB5783-86
13	B5050-00012	Washer,lock	4	垫圈12 GB93-87
14	20028-32001*G	Slipper	2	限位滑块
15	20029-43231*1	Shim	6	调整垫块
-	20029-43231*2	Shim	6	调整垫块
16	22198-22341	Roller	2	侧滚轮
17	B6150-00030	Snap ring	2	挡圈30 GB894.1-86
18	Y30208-N	Roller	2	主滚轮
19	B6150-00040	Snap ring	2	挡圈40 GB894.1-86
20	22018-30303G	Roller	4	侧滚轮
21	23308-22051	Shim	4	调整垫圈
22	B5050-00010	Washer,lock	8	垫圈10 GB93-87
23	20018-32841	Spacer	8	垫块
24	B0330-10045	Bolt	8	螺栓M10X45 GB5783-86



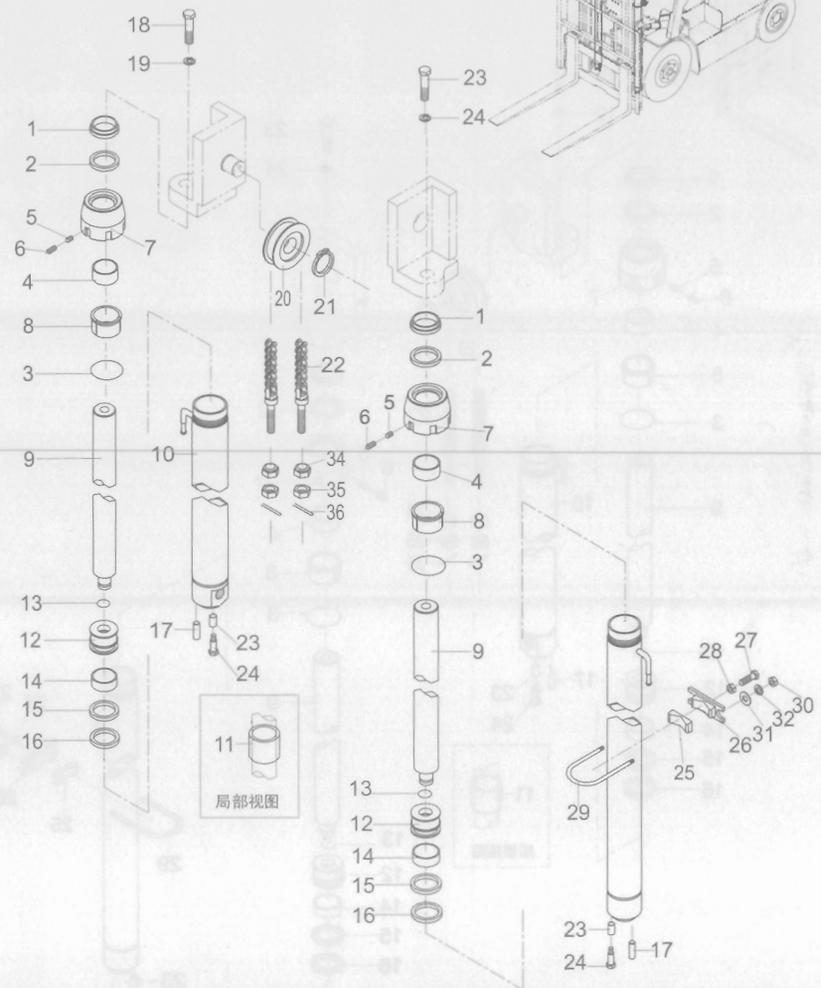
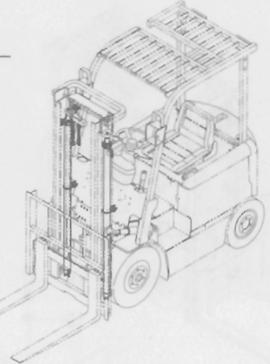


CPD10,15,18

序号 Item No	图号 Part No	零部件名称 Description	件数 Qty	备注 Remark	
A	HRD12C8402	Lift cylinder(Inc.01-17)	起升油缸总成(包含01-17)	2	
01	HRD20A8508 D10B8-42321	Seal	防尘圈	2	
02	HRD20B8406 D10B8-42331A	Packing	密封圈	2	
03	Z2113-03630	Bushing	钢背轴承3630	2	
04	Z6053-04752	O-ring	O形圈47. 5X2. 65	2	GB3452.1-92
05	D20B8-42341	Plug	塞子	4	
06	B1830-08008	Screw	螺钉M8X8	4	GB80-85
07	D12C8-42051	Cap	导向套	2	
08	D12C8-42041	Sleeve	衬套	2	
09	HRD12C8403	Cylinder	缸筒体	2	
10	HRD10B8405	Rod	活塞杆	2	
11	HRD20A8509 D10B8-42511	Spacer	调整套	见表	
12	D12C8-42061	Piston	活塞	2	
13	D20B8-42381	Snap ring	钢丝挡圈	2	
14	HRD20A8409 D10B8-42521	Wearing	支承环	2	
15	HRD20A8509 D20A8-42541	Snap ring	挡片	2	
16	HRD20A8505 D10B8-42531	U-ring	U形密封圈	2	
17	B3130-10026	Pin	销D10X26	2	GB119-86
18	B0530-14050	Bolt	螺栓M14X1. 5X50	2	GB5786-86
19	B5050-00014	Washer,lock	垫圈14	2	GB93-87
20	24239-44091	Sheave	链轮	2	
21	B6150-00040	Snap ring	弹性挡圈40	2	GB894.1-87
22	HRLH1223011-N	Chain(Inc.34-36)	链条总成(包含34-36)	2	
23	B0530-12025	Sleeve	隔套	2	
24	D14F0-92041	Bolt	螺栓M12X1. 25X25	2	GB5786-86
25	D14F0-92051	Spacer	调整块	2	
26	B0530-12050	Support	油缸支撑块	2	
27	B4223-00012	Bolt	螺栓M12X1. 25X50	2	GB5786-86
28	HRD20B8407 D20B8-42031	Nut	螺母M12X1. 25	2	GB6171-86
29	HRD20B8408 D10B8-42811	U-bolt	U型螺栓	2	

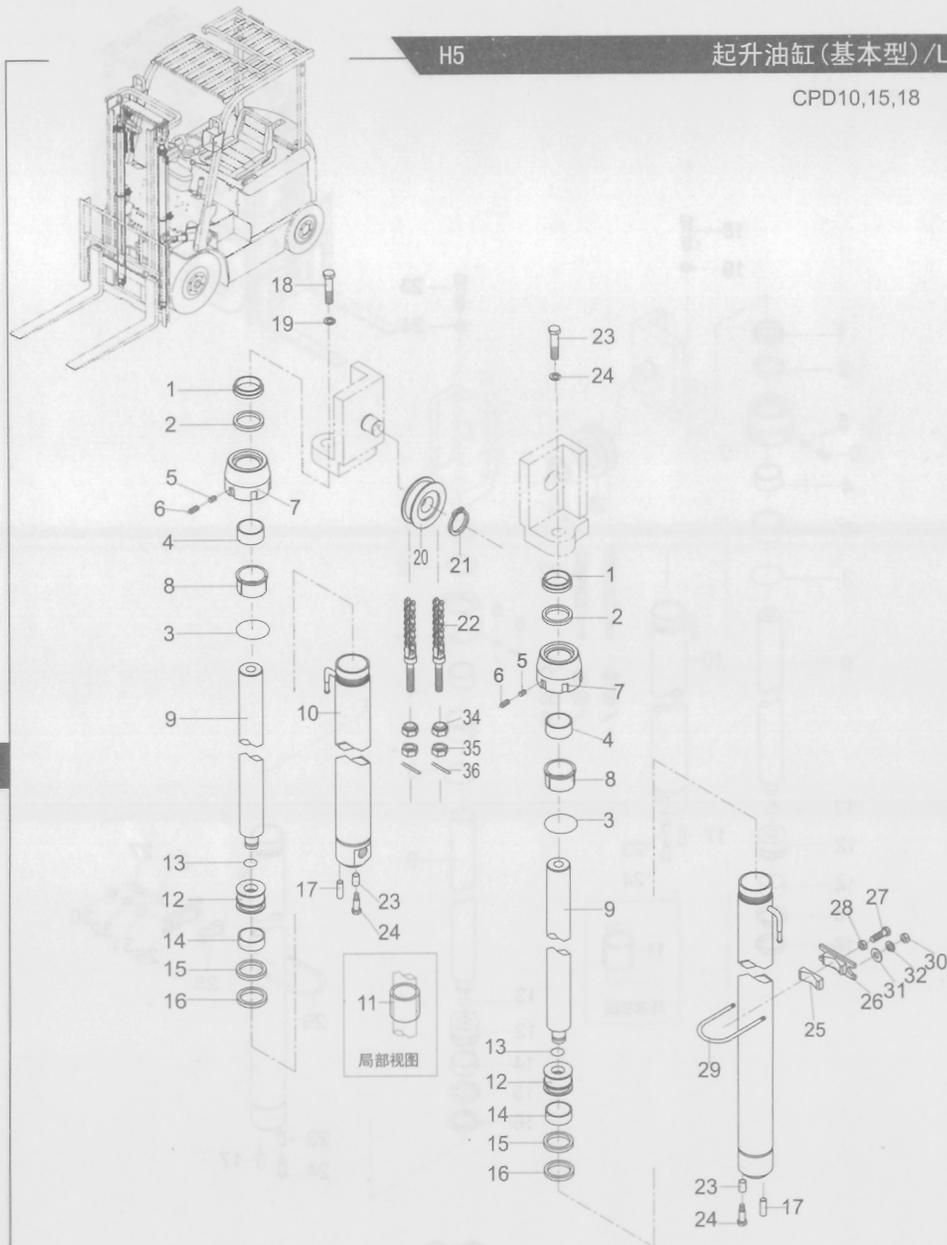
CPD10,15,18

序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark
30	B4413-00010	Nut 螺母M10X1.25	4	GB6173-86
31	B5310-00010	Washer 垫圈10	4	GB97.1-85
32	B5050-00010	Washer,lock 垫圈10	4	GB93-87
33	D12C8-42071	Plate 垫片	3	
34	22118-40181	Nut 球面螺母	4	
35	B4230-00014	Nut 螺母M14X1.5	4	GB6171-86
36	B3010-03030	Pin 销3X30	4	GB91-86



CPD10,15,18

起升油缸选用件 OPTION TABLE FOR LIFT CYLINDER



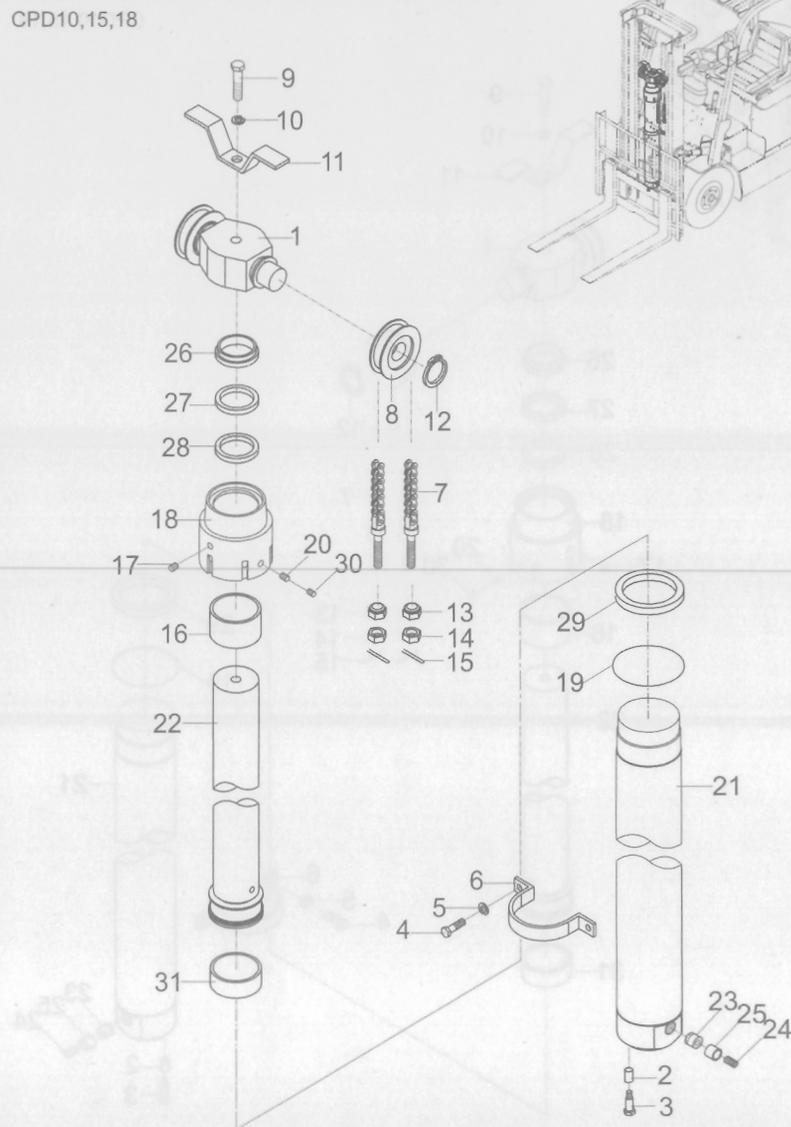
起升高度 IFTING HEIGHT	起升油缸 LIFT CYL	缸体 LYL. BODY	活塞杆 Rid, piston	链条节数 (N) Chain, leaf	调整套 (个) Spacer (N)
M200	HRD12C8402 D12C8-40411	HRD12C8403 D12C8-40611	HRD10B8405 D12C8-42311	HRD10B8408 *73	
225	-40421	-40621	-42321	*79	
250	-40431	-40631	-42331	*85	
270	-40441	-40641	-42341	*91	
275	-40451	-40651	-42351	*91	
标准 STD 300	-40401	-40601	-42301	*99	
325	-40461	-40661	-42361	*105	
330	-40471	-40671	-42371	*107	
350	-40481	-40681	-42381	*113	
366	-40491	-40691	-42391	*117	
370	-40511	-40711	-42411	*117	
375	-40521	-40721	-42421	*117	
400	-40531	-40731	-42431	*127	1
425	-40541	-40741	-42441	*133	1
450	-40551	-40751	-42451	*139	1
475	-40561	-40761	-42461	*147	1
500	-40571	-40771	-42471	*153	1
550	-40581	-40781	-42481	*169	2
600	-40591	-40791	-42491	*183	2

图56/FIG56

前起升油缸 (二级全自由) / FRONT LIFT CYLINDER (FULL FREE-2STAGE MAST ZM)

H6

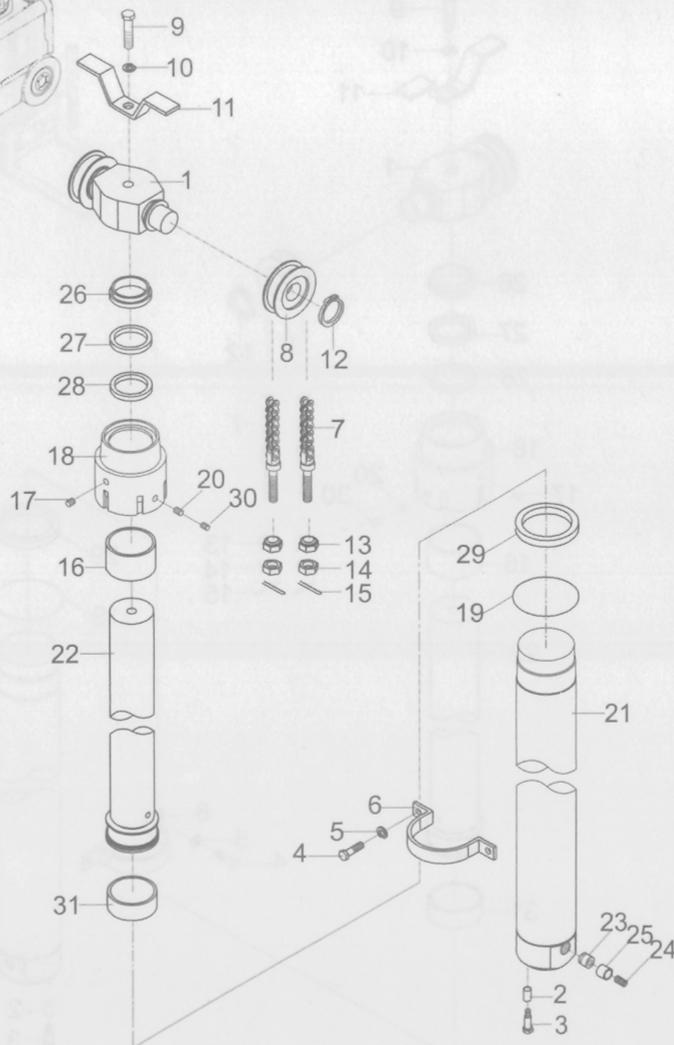
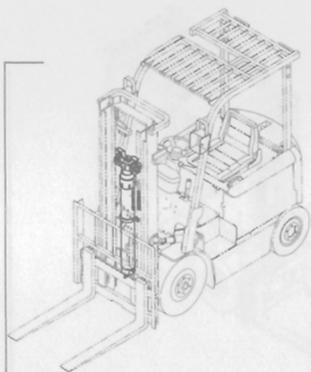
序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark
A	REF105294	Lift cylinder(Front) (Inc.16~31)	1	见选用件表 See op.parts
01	27390-82011	Sheave axle	1	
02	D10P0-22001	Spacer	1	
03	B0530-12030	Bolt	1	GB5786-86
04	B0330-10020	Bolt	2	GB5783-86
05	B5050-00010	Washer,lock	2	GB93-87
06	27390-82101	Clip	1	
07	HRLH1223011-N	Chain ass'y(Inc.13~15)	2	见选用件表 See op.parts
08	24239-44091	Sheave	2	
09	B0430-16060	Bolt	1	GB5785-86
10	B5050-00016	Washer,lock	1	GB93-87
11	REF200130 20010-82211	Stopper,chain	1	
12	B6150-00040	Snap ring	2	GB894.1-86
13	B3010-03030	Nut	2	
14	B4230-00014	Nut	2	GB6171-86
15	22118-40181	Pin	2	GB91-86
16	Z2114-07035	Bearing	1	钢背轴承 (7035)
17	22518-40151	Plug	1	螺塞
18	24240-82001	cap	1	缸盖
19	03340-00160	O-ring	1	O型密封圈
20	90662-63041	Plug	1	塞子
21	REF206938	Cylinder body	1	见选用件表 See op.parts
22	REF206543	Rod,piston	1	见选用件表 See op.parts
23	REF339485 23659-44871	Spool	1	滑阀
24	REF339431 24230-52071	Spring	1	弹簧
25	24230-82071	Spring ,seat	1	弹簧座
26	REF341310 25808-42481	Seal,dust	1	防尘圈
27	REF340216 24230-82221	Snap ring	1	挡圈
28	REF340213 24230-82211	Seal	1	密封圈
29	REF340216 24230-82231	Snap ring	1	挡圈



CPD10,15,18

序号  
Item No图号  
Part No零部件名称  
Description件数  
Q'ty备注  
Remark

30 B1830-06008 Screw 螺钉M6X8 1 GB80-86

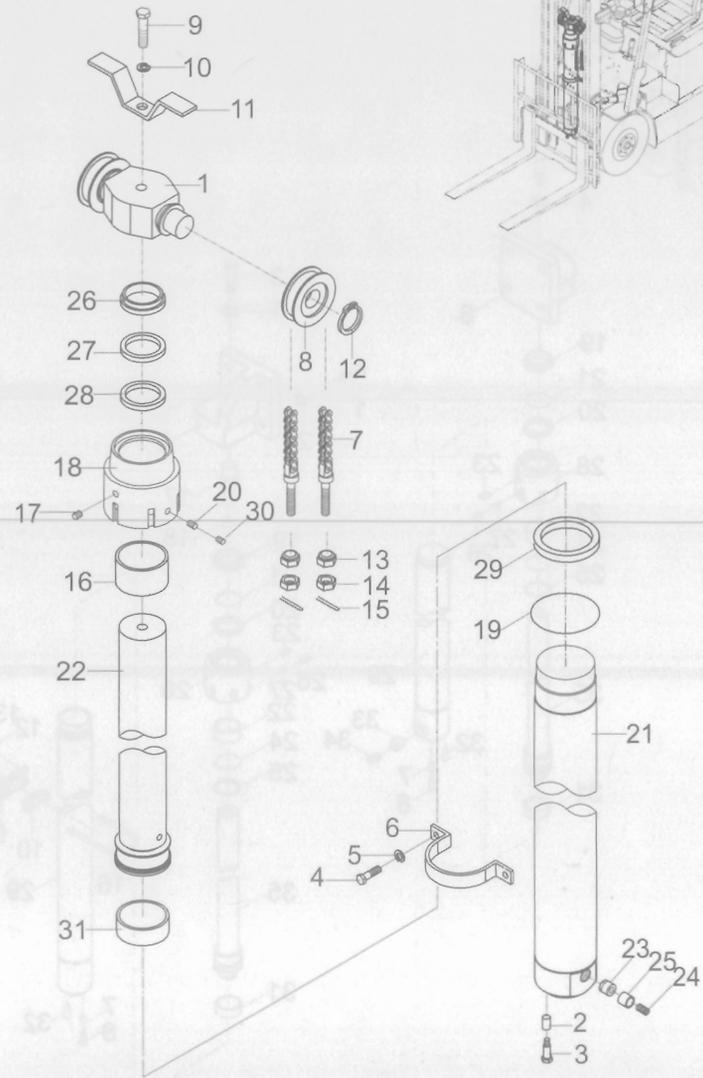
31 REF340369  
22518-40121 Wearing 支承环 1

1~1.8t 前起升缸选用件 (二级全自由门架)

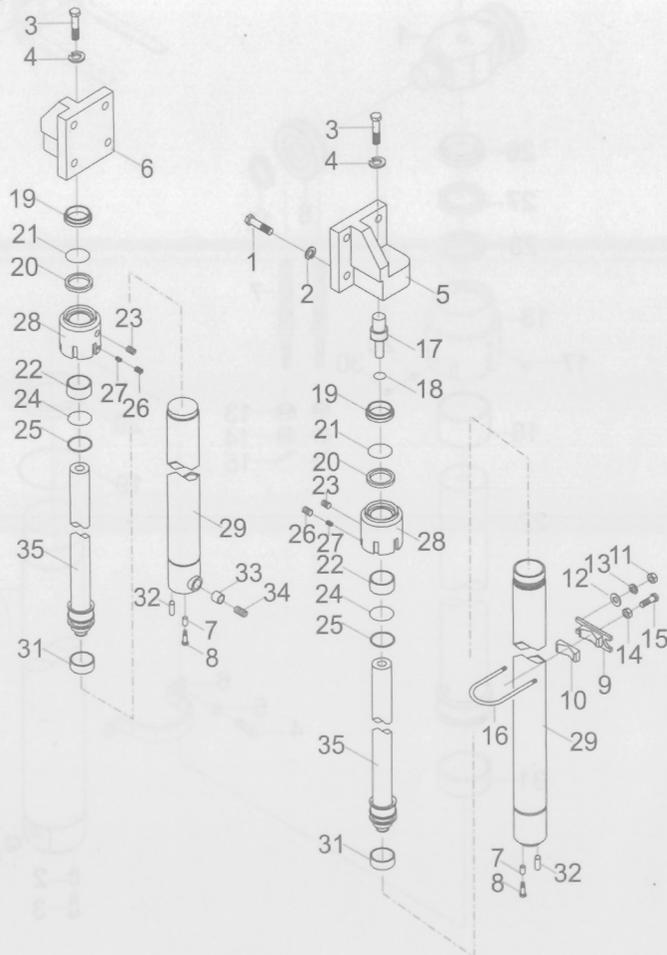
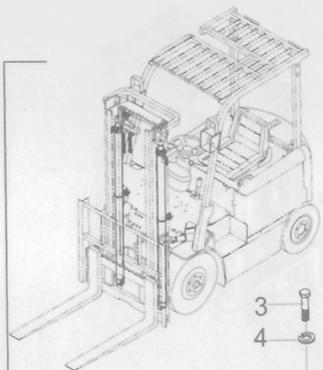
OPTIONAL PARTS 1~1.8t TON FRONT LIFT CYLINDER (FULL FREE 2-STAGE MAST)

CPD10,15,18

起升高度 LIFTING HEIGHT	前升降缸 LIFT CYLINDER	柱塞杆 PISTON ROD	缸体 CYLINDER BODY	链条总成 CHAIN ASS'Y	备注 REMARKS
ZM400	24240 -80111	24230 -50631	24230 -50301	HRLH1223011 -105	
425	-80121	-50641	-50311	-113	
450	-80131	-50651	-50321	-119	
475	-80141	-50661	-50331	-123	
500	-80151	-50671	-50341	-133	
550	-80161	-50681	-50351	-147	
600	-80171	-50691	-50361	-161	



CPD10,15,18



序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark
A	REF184400	Lift cylinder(Rear) Inc.(17-35)	2	后升降油缸 (包括17-35) 见选用件表 See op. Parts
01	B0330-12035	Wearing	8	螺栓M12X35 GB5783-86
02	B5050-00012	Washer,lock	8	垫圈12 GB93-87
03	B0330-16035	Bolt	2	螺栓M16X35 GB5783-86
04	B5050-00016	Washer,lock	2	垫圈16 GB93-87
05	HRD16L0505 D16L0-53011	Bracket(L.H.)	1	支架(左)
06	HRD16L0505 D16L0-53021	Bracket(R.H.)	1	支架(右)
07	HRD20B8402 D20B8-42031	Sleeve	2	隔套
08	B0530-12025	Bolt	2	螺栓M12X1.25X25 GB5786-86
09	D14F0-92051	Support	2	油缸支撑块
10	D14F0-92041	Spacer	2	调整块
11	B4123-00010	Bolt	4	螺母M10 GB6170-86
12	B5310-00010	Washer	4	垫圈10 GB97.1-85
13	B5050-00010	Washer,lock	4	垫圈10 GB93-87
14	B0230-12035	Bolt	2	螺栓M12X35 GB5782-86
15	B4123-00012	Nut	2	螺母M12x1.25 GB6171-86
16	HRD20B8408 D10B8-42811	U-Bolt	2	U型螺栓
17	20020-10450	Joint rod	1	连接杆
18	Z6004-02602	O-ring	1	O型密封圈26X2.4 GB1235-76
19	REF340210 23658-52081	Dust ring	2	防尘圈
20	REF340213 23658-52051	U-ring	2	U型密封圈
21	REF340216 23658-52061	Snap ring	2	挡圈
22	Z2113-03225	Bushing	2	钢背轴承3225
23	Q/ZB223.1	Plug	4	螺塞Z1/8
24	Z6004-05603	O-ring	2	O型密封圈56X3.5 GB80-85
25	20010-85000	Snap ring	2	挡圈50.9X56X1.5
26	B1830-06008	Screw	4	螺钉M6X8
27	90662-63401G	Plug	4	塞子
28	20010-86000	Cylinder cap	2	缸盖
29	REF104420G	Cylinder body	2	缸体 见选用件表 See op. Parts

图57/FIG57

后起升油缸 (二级全自由) / REAR LIFT CYLINDER (FULL FREE 2-STAGE MAST ZM)

H7

序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark
30	REF200110	Piston rod ass'y(L.H.) 左柱塞杆总成	1	见选用件表 See op. Parts
31	22580-53321	Wearing 支承环	2	
32	B3120-10025	Pin 销10X25	2	GB119-86
33	REF339485 23659-44871	Slide valve 滑阀	1	
34	REF339431 27978-42601	Spring 弹簧	1	
35	REF200120	Piston rod ass'y(R.H.) 右柱塞杆总成	1	见选用件表 See op. Parts

CPD10,15,18

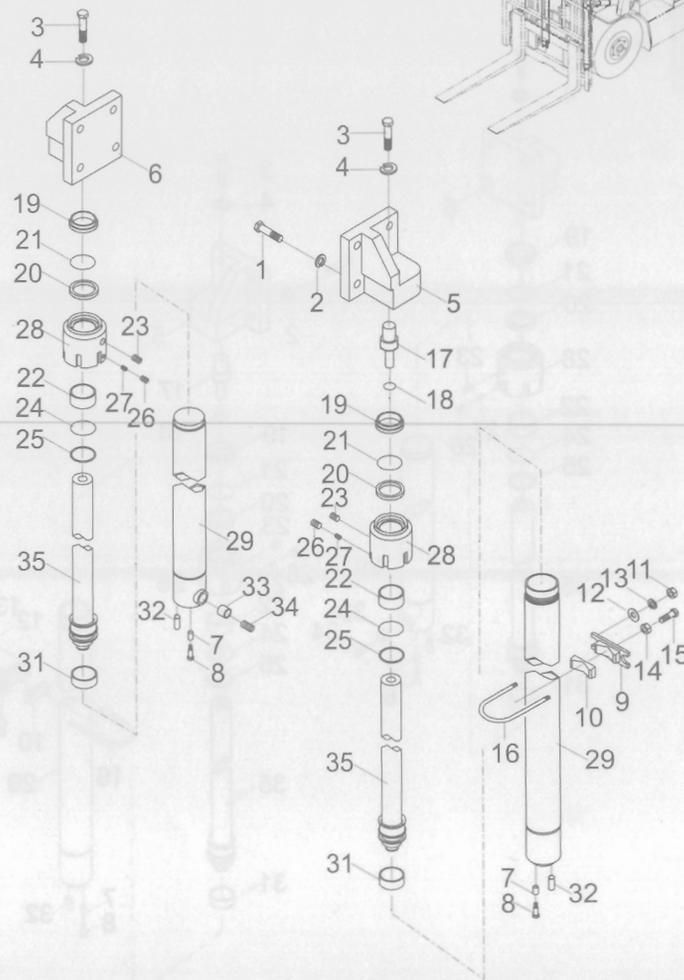
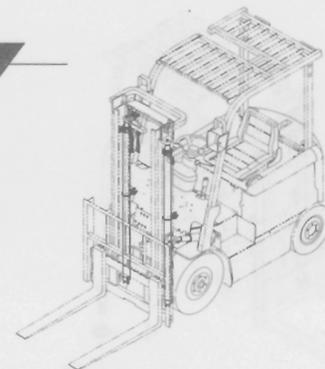


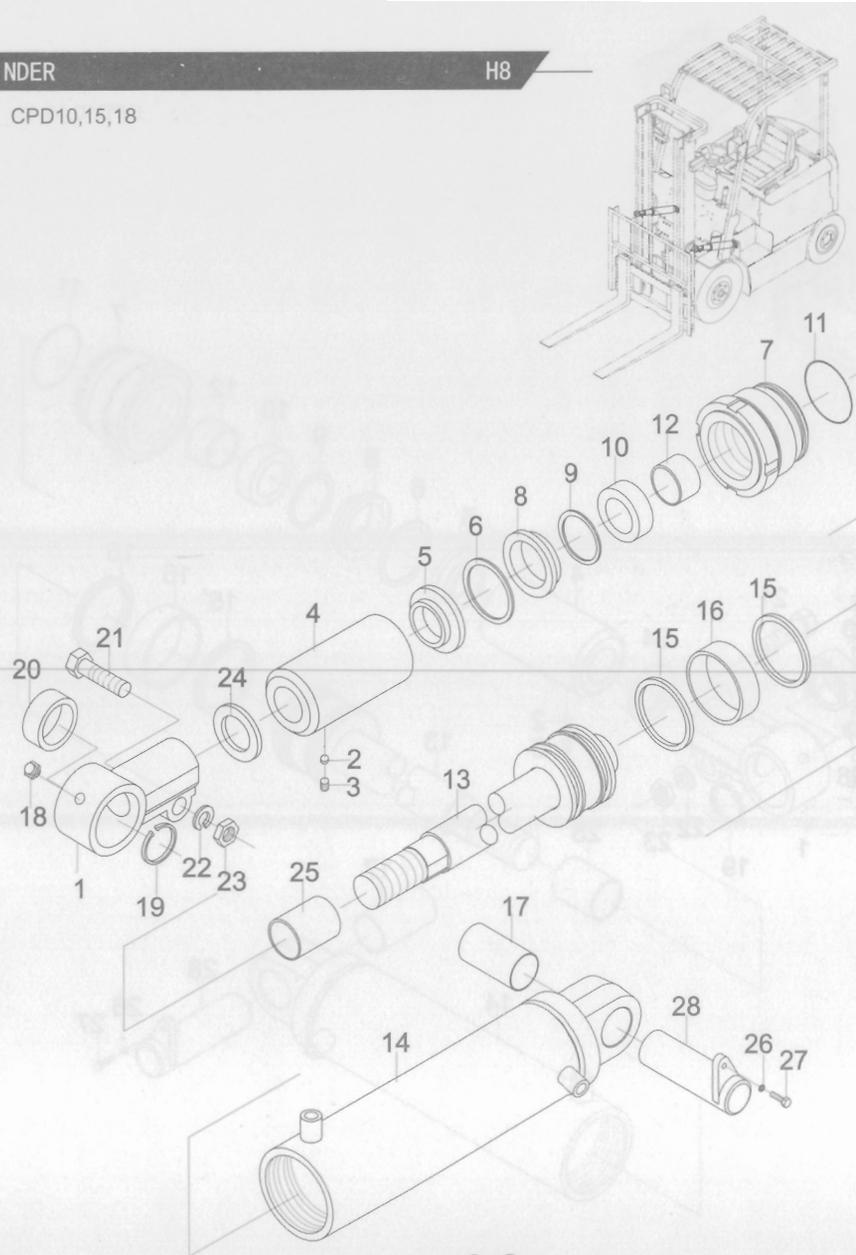


图58/FIG58

## 倾斜油缸/TILT CYLINDER

H8

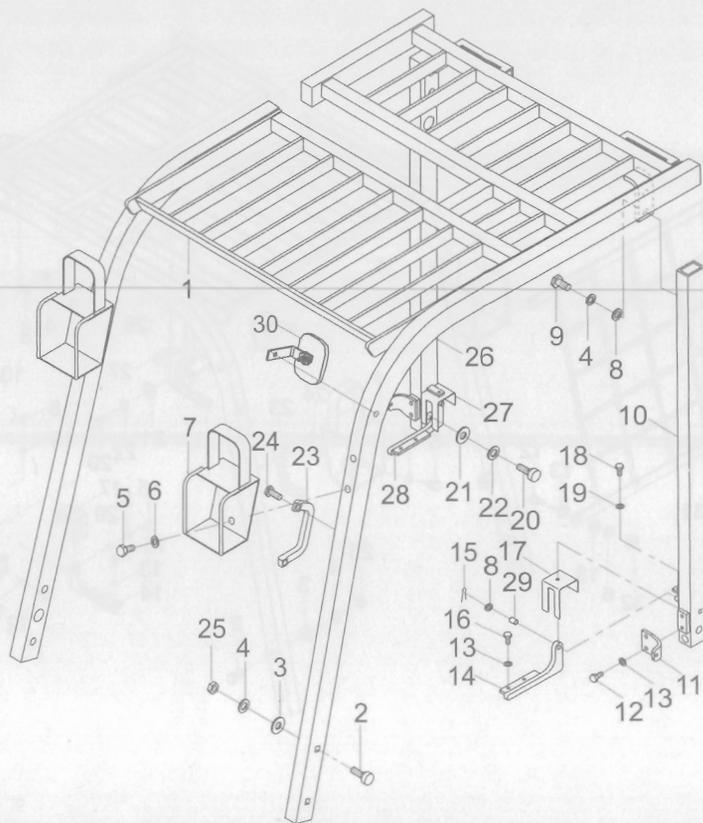
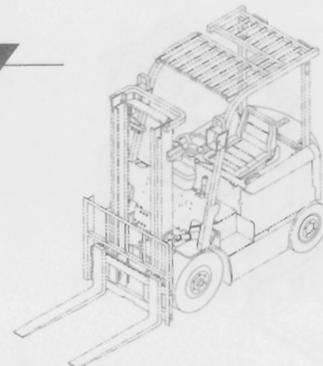
序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark	CPD10,15,18
1	HRD10B8507	Ear ring	耳环	1	
2	23658-52401	Plug	塞子	1	
3	B1830-10010	Screw	螺钉M10X10	1	GB80-85
4	HRD65E8502	Spacer	调整轴套	1	见表 See optional parts
5	REF341310 24248-52341	Dust seal	防尘圈	1	
6	B6050-00047	Snap ring	挡圈47	1	GB893.1-86
7	D10B8-52051	Guide Sleeve	导向套	1	
8	24248-52351	Snap ring	挡圈	1	
9	REF340216 24248-52331	Shim	挡片D30	1	
10	REF340213 24248-52321	Yx-ring	Yx型密封圈	1	
11	Z6053-06303	O-ring	O型密封圈63X3.55	1	GB3452.1-92
12	Z2133-03025	Bushing	钢背轴承3025	1	
13	D65E8-50201	Body,piston ass'y	活塞体	1	
14	HRD65E8503	Tube,cylinder ass'y	缸筒总成	1	
15	REF340214 22439-43711	U-ring	U型密封圈	2	
16	24248-52251	Wearing	支承环	1	
17	REF340270 63626-23071	Bushing	轴套	1	
18	Q700B01	Grease	直通式滑脂嘴	1	ZBT33001.1-88
19	B6050-00047	Snap ring	挡圈47	1	GB893.1-86
20	D20B8-50211	Bushing	关节轴承	1	
21	B0230-14055	Bolt	螺栓M14X55	1	GB5782-86
22	B4123-00014	Nut	螺母M14	1	GB6170-86
23	B5050-00014	Washer,lock	垫圈14	1	GB93-87
24	24238-52121	Shim	垫片	2	选用 Option
25	D10B8-52061	Spacer	调整轴套	2	前3'/后6',前3'/后3'
26	B5050-00010	Washer,lock	垫圈10	2	GB93-87
27	B0530-10020	Bolt	螺栓M10X1.25X20	2	GB5786-86
28	HRH22A8309 H22A8-00201	Pin	倾斜油缸销轴	2	





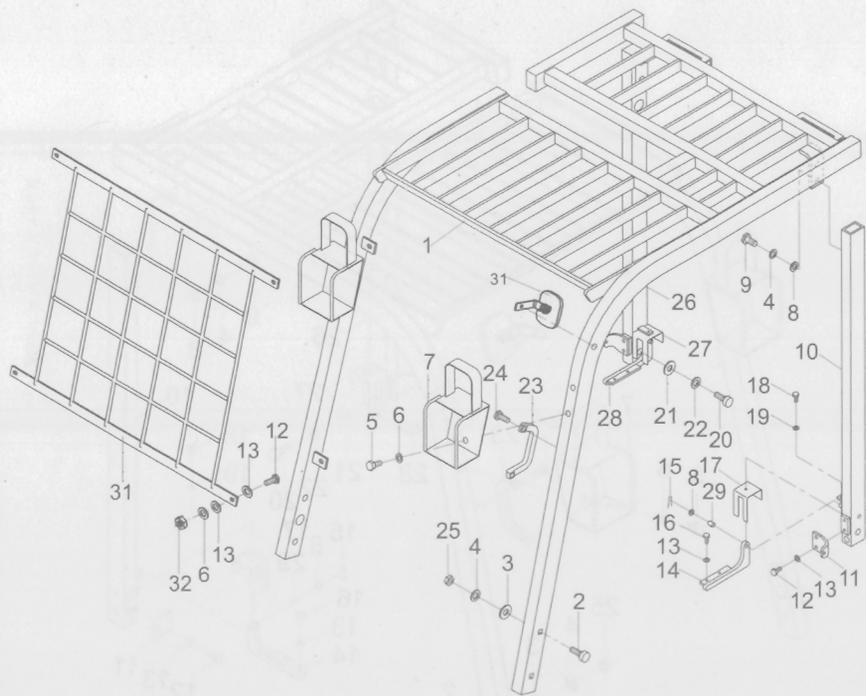
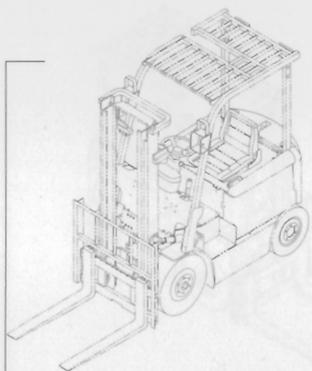
序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark
01	A65E5-10201	Overhead guard	顶框架	1 CPD10-18-C
-	A63E5-10201	Overhead guard	顶框架	1 CPD10-15-F
02	H24C5-12922	Bolt	螺栓	4
03	B5210-00012	Washer	大垫圈	12 4 GB96-85
04	B5050-00012	Washer,lock	垫圈	12 8 GB93-87
05	B0330-08016	Bolt	螺栓M8X16	4 GB5783-86
06	B5050-00008	Washer,lock	垫圈	8 4 GB93-87
07	A22A5-10401	Guard,lamp F	前灯架总成	2
08	B5310-00012	Washer	垫圈	12 6 GB97.1-85
09	B0530-12030	Bolt	螺栓M12X1.25X30	4 GB5786-86
10	HRA65E5101 A65E5-10602	Rear pipe ass'y L.H.	后支腿总成(左)	1
11	A65E5-12232	Bracket	弹簧支架	2
12	B0330-08020	Bolt	螺栓M8X20	4 GB5783-86
13	B5310-00008	Washer	垫圈	8 GB97.1-85
14	HRA65E5108 A65E5-11701	Bracket L.H.	铰链支架(左)	1
15	B3010-3P216	Pin	销3.2X16	2 GB91-86
16	B0330-08016	Bolt	螺栓M8X16	4 GB5783-86
17	HRA65E5109 A65E5-12272	Cover board L.H.	盖板(左)	1
18	B1110-06010	Screw	螺钉M6X10	2 GB67-85
19	B5210-00006	Washer	垫圈	6 2 GB96-85
20	B0530-16035	Bolt	螺栓M16X1.5X35	2 GB5786-86
21	B5310-00016	Washer	垫圈	16 2 GB97.1-85
22	B5050-00016	Washer,lock	垫圈	16 2 GB93-87
23	A22A5-10412G	Handle,grip	把手总成	1
24	B8030-06020	Screw	螺钉M6X20	2 GB70-85
25	B4216-00012	Nut	螺母M12X1.25	4 GB6171-85
26	HRA65E5101 A65E5-10502	Rear pipe ass'y R.H.	后支腿总成(右)	1
27	HRA65E5109 A65E5-12262	Cover board R.H.	盖板(右)	1
28	HRA65E5108 A65E5-11601	Bracket R.H.	铰链支架(右)	1
29	Z2111-01210	Bearing	钢背轴承	2 GS-1
30	A22A0-02001	Backup mirror	倒车镜	2

CPD10,15,18-C  
CPD10,15-F

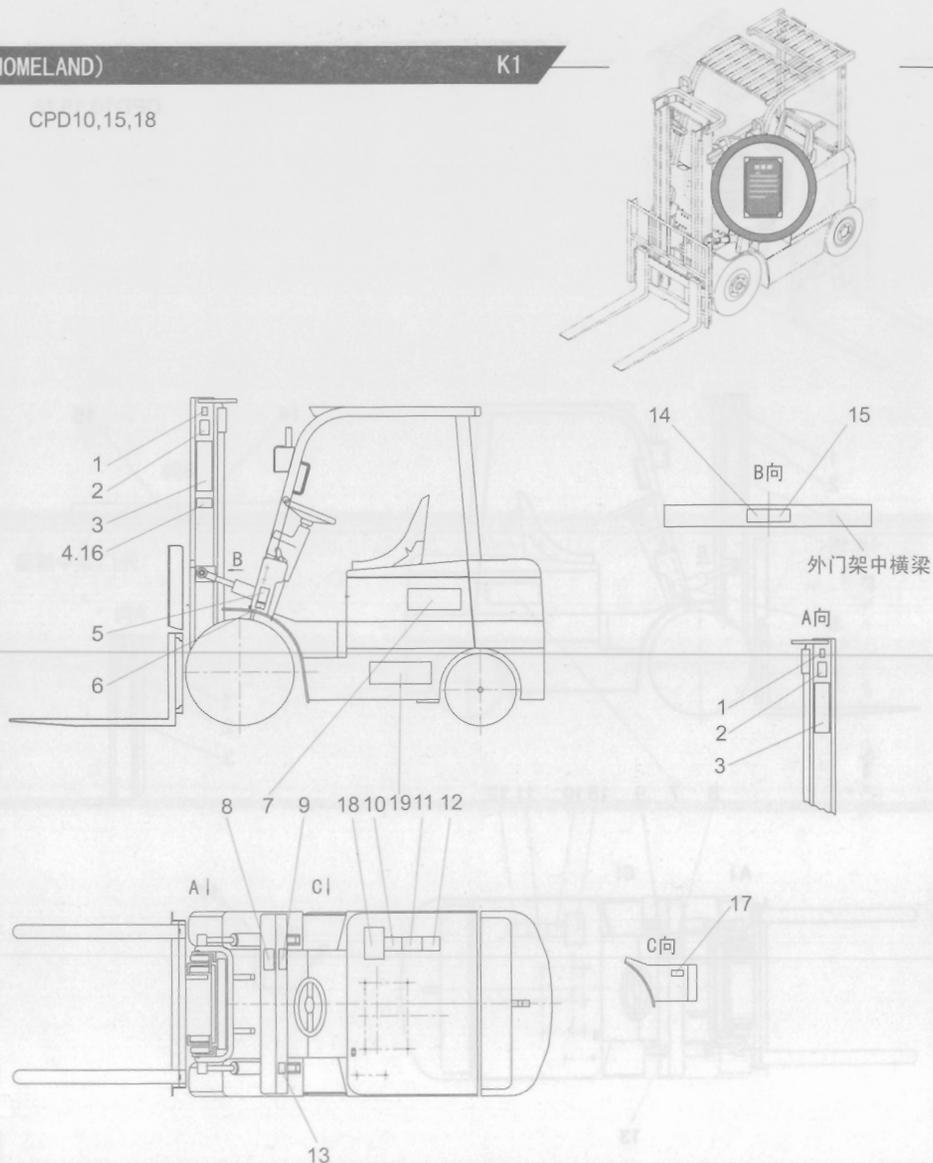


CPD10,15,18L-C  
CPD10,15L-F

序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark	
01	A67V5-10201	Overhead guard	顶框架	1	CPD10-18L-C
-	A6E15-10201	Overhead guard	顶框架	1	CPD10-15L-F
02	H24C5-12922	Bolt	螺栓	4	
03	B5210-00012	Washer	大垫圈	4	GB96-85
04	B5050-00012	Washer,lock	垫圈	8	GB93-87
05	BX0330-08016	Bolt	螺栓M8X16	4	GB5783-86
06	BX5050-00008	Washer,lock	垫圈	8	GB93-87
07	A22A5-10401	Guard,lamp F	前灯架总成	2	
08	BX5310-00012	Washer	垫圈	6	GB97.1-85
09	BX0530-12030	Bolt	螺栓M12X1.25X30	4	GB5786-86
10	HRA65E5101 A65E5-10602	Rear pipe ass'y L.H.	后支腿总成(左)	1	
11	A65E5-12232	Bracket	弹簧支架	2	
12	BX0330-08020	Bolt	螺栓M8X20	8	GB5783-86
13	BX5310-00008	Washer	垫圈	12	GB97.1-85
14	HRA65E5108 A65E5-11701	Bracket L.H.	铰链支架(左)	1	
15	B3010-3P216	Pin	销3.2X16	2	GB91-86
16	BX0330-08016	Bolt	螺栓M8X16	4	GB5783-86
17	HRA65E5109 A65E5-12272	Cover board L.H.	盖板(左)	1	
18	B1110-06010	Screw	螺钉M6X10	2	GB67-85
19	B5210-00006	Washer	垫圈	2	GB96-85
20	B0530-16035	Bolt	螺栓M16X1.5X35	2	GB5786-86
21	B5310-00016	Washer	垫圈	2	GB97.1-85
22	B5050-00016	Washer,lock	垫圈	2	GB93-87
23	A22A5-10412G	Handle,grip	把手总成	1	
24	BX8030-06020	Screw	螺钉M6X20	2	GB70-85
25	B4216-00012	Nut	螺母M12X1.25	4	GB6171-85
26	HRA65E5101 A65E5-10502	Rear pipe ass'y R.H.	后支腿总成(右)	1	
27	HRA65E5109 A65E5-12262	Cover board R.H.	盖板(右)	1	
28	HRA65E5108 A65E5-11601	Bracket R.H.	铰链支架(右)	1	
29	Z2111-01210	Bearing	钢背轴承	2	GS-1
30	A22A0-02001	Backup mirror	倒车镜	2	
31	A67V5-10301	Hood	防护罩总成	1	CPD10-18L-C CPD10-15L-F
32	BX4116-00008	Nut	螺母M8	4	CPD10-18L-C CPD10-15L-F GB6170-86



序号 Item No	图号 Part No	零部件名称 Description	件数 Q'ty	备注 Remark
01	6TY40-10-01	Decal,sling 起吊标牌	2	
02	6TY 40-01-01	Decal,safy mark 安全标志标牌	2	
03	6TY40-00-348	Decal,HELI trademark "HELI" 标牌	2	
04	6TY10-00-60	Plate,name 叉式装卸车铭牌	1	
05	6TY40-08-01	Decal,tyre safety 轮胎安全标牌	1	
06	6TY40-16-01	Decal,air pressure 轮胎气压标牌	1	
07	6TY40-00-388	Decal,model 型号标牌	2	1t
-	6TY40-00-389	Decal,model 型号标牌	2	1.5t
-	6TY40-00-390	Decal,model 型号标牌	2	1.8t
08	6TY40-02-03	Decal,lubrication chart 润滑系统图标牌	1	
09	6TY20-00-159	Decal,capacity chart 负荷曲线图标牌	1	1t
-	6TY20-00-160	Decal,capacity chart 负荷曲线图标牌	1	1.5t
-	6TY20-00-161	Decal,capacity chart 负荷曲线图标牌	1	1.8t
10	6TY40-20-01	Decal 蓄电池使用注意事项标牌	1	
11	6TY40-30-01	Decal 保养蓄电池注意事项标牌	1	
12	6TY40-19-07	Decal,battery 蓄电池标牌	1	CPD10-18-C
-	6TY40-19-01	Decal,battery 蓄电池标牌	1	CPD10,15-F
13	6TY40-13-01	Decal,praking brake adjust 停车制动调整标牌	1	
14	6TY40-14-01	Decal,padlok mast space 禁止进入门架后空间标牌	1	
15	6TY40-15-01	Decal,notice thumb hand 注意伤手标牌	1	
16	B2180-03006	Rivet 铆钉3X6	4	GB827-86
17	6TY40-05-01	Decal,adding hydraulic oil 加液压油标牌	1	
18	6TY40-03-11	Decal,operating 使用须知标牌	1	
19	6TY40-11-01	Decal,HELI forklift truck "合力叉车" 标牌	2	





# HELI

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**L222-1:2005**