

操作指南 PERATOR'S GUIDE

A、D、F、G系列非侧移式/侧移式夹类

(软包夹、多用刚臂夹、烟叶箱夹、桶夹、砖块夹、叉夹、

两用叉夹、旋转叉、无臂夹)

A,D,F&G-Series Non-Sideshifting & Sideshifting Clamps (Bale Clamp, Multi-Purpose Clamp, Tobacco Carton Clamp, Block Handler, Fork Clamp, Turnaload, No-Arm Clamp)







服务热线 40088 57315

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警告: 叉车属具综合承载能力是由叉车制造厂决定,其值可能比属具铭牌上的小,请参见叉车铭牌。

注 意:操作者必须是经过培训且授权的人员。



WARNING: Rated capacity of the truck/attachment combination is a responsibility of the original truck manufacturer and may be less than shown on the attachment nameplate. Consult the truck nameplate.

CAUTION: Do not operate this attachment unless you are a trained and authorized lift truck driver.

主 意:本指南阐述对大多数货物工况的作业规则。特殊情况,请向您的上级主管请教具体的正确操作规则。

CAUTION: This Guide shows recommended load handling procedures applicable to most products. Consult your company or organization for any special procedures applicable to loads you.

卡斯卡特保留对本指南进行修改的权力。如有改动,恕不另行通知,请留意相应的版本号。

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NTRODUCTION

夹类—卡斯卡特夹类属具品种众名,分别适用于一系列不同场合的物料搬运。

关于本指南—为了保证您能正确、安全、高效地使用纸箱夹、请在操作属具 前仔细地阅读本指南中所有的操作规则和注意事项。若有疑问,请向您的上级 主管请教。

安全第一! —大多数的事故都起因于操作或判断失误, 请格外留心维护保养 状况差和工况恶劣的属具并及时加以解决。

Clamps-Cascade Clamp attachments are available in a wide variety of types designed to handle a wide variety of loads.

About this Guide-The information in this Guide is intended to simplify operator understanding about efficative and safe carton Clamp use and operation. Read this guide thoroughly before operating the attachment. Be sure you know and understand all operating procedures and safety precautions. IF you have any questions, or don't understand a procedure, ask your supervisor.

Emphasize Safety!-Most accidents are caused by operator's carelessness or misjudgement. You must watch for hazardous situations and correct them.







棉花包/软包夹 Cotton/Bale clamp



多用刚臂夹 Multi-Purpose Arm clamp

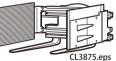


旋转夹类 Revolving Clamps



冬用刚臂夹(带货叉. 旋转式)





用户注意事项



ND USER PLEASE NOTICE

日常的维护保养对于保证叉车属具产品的正常功能及使用寿命至关重要,详细事项请参见卡斯卡特叉车属 具《用户手册》或《维修手册》,或者请首先向售出该产品的叉车主机厂或其代理商咨询。

卡斯卡特(厦门)公司也非常乐意回答您在这方面任何感兴趣的问题。

请洽:

卡斯卡特(厦门)叉车属具有限公司

客户支持中心

电话: 86-592-6512500 传真: 86-592-6512531



用户注意事项 MD USER PLEASE NOTICE

The daily inspection and periodic maintenance is very important for ensuring the normal performance and durable service life of the forklift attachment. For details, please refer to Cascade Xiamen Forklift Attachment User Manual or Service Manual.

You could also primarily consult with the forklift OEM or its Dealer from whom you purchased this equipment. Of course, Cascade Xiamen is willing to answer any questions of your interest, too.

Please contact:

Customer Support Center, Cascade Xiamen Forklift Truck Attachment Co., Ltd. Phone tel:86- 592 -6512500 Fax:86-592-6512531

安全规则 C AFETY RULES

禁止载人行驶 No rides



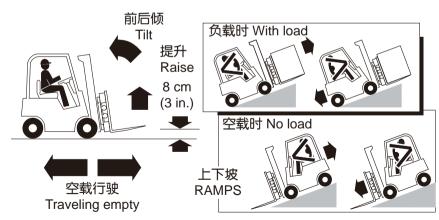
禁止伸手穿越门架 No reaching through mast



禁止货物下站人 No standing under load



叉车熄火、扳下手刹、降下货叉 Motor off,park,lower load



安全规则 C AFETY RULES



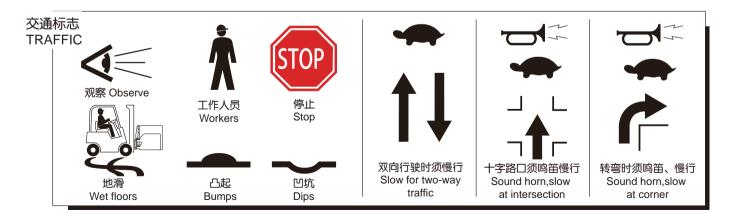
禁止坡上停车 No parking on ramp



禁止坡上转弯 No turning on ramp



注意行驶空间 Watch clearances



AILY INSPECTION

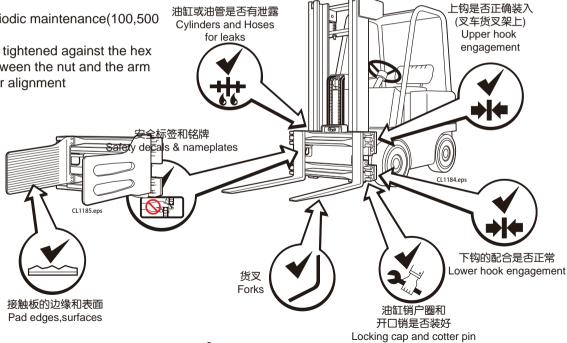
每天必须检查途中所示项目外(以叉夹为例,其他属具类似),还要定期(如100小时、500小时、2000小时)进行维护 保养。主要包括:

- 1.将油缸固定螺母相对六角垫圈锁紧,使螺母与缸座间有一定松度,装好护圈和开口销。
- 2.锁紧导槽上的螺栓。
- 3.更换掉磨损达1毫米的滑动支撑。
- 4.锁紧下钩螺栓。

Check items each day.Periodic maintenance(100,500 2000 hours) include:

1. The rod end nut is being tightened against the hex washer The looseness between the nut and the arm base lug allows for cylinder alignment during clamping.

- 2. Tighten the capscrews to the mounting plates.
- 3. Change the bearings while wear away its 1mm.
- 4. Tighten the lower hooks.



属具操作



TTACHMENT OPERATION

非侧移式夹类

NON-SIDESHIFTING CLAMPS A 张开夹臂(Release Arms) B 夹紧夹臂(Clamp Arms)

侧移式夹类

SIDESHIFTING CLAMPS A 向左侧移(Sideshift Left) B 向右侧移(Sideshift Right) C 张开夹臂(Release Arms) D夹紧夹臂(Clamp Arms)

装有电磁阀装置的侧移式夹类

SIDESHIFTING WITH SOLENOID VALVE A 向左侧移(Sideshift Left) A 张开夹臂(按下电磁阀开关) Release Arms(Press knob button) Rotate Clockwise(CW)

B 向右侧移(Sideshift Right) B 夹紧夹臂(按下电磁阀开关)

Clamp Arms(Press knob button)

旋转夹类

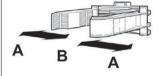
REVOLVING CLAMP A 逆时针旋转

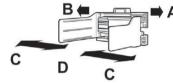
Rotate Counterclockwise(CCW) B 顺时针旋转

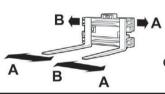
C张开夹臂

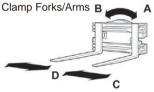
Release Forks/Arms

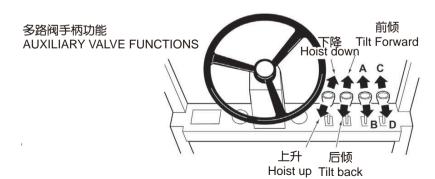
D加紧夹臂

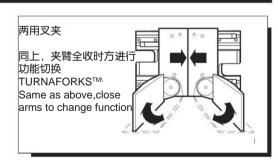










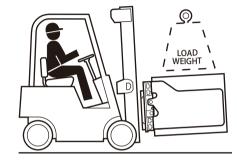


OAD HANDLING

货物顶部不能超出框架顶部

Top of load must not extend above frame.





货物重量不能超过叉车/属具综合承载能力的限值(参见叉车铭牌) Load weight must not exceed combined truck/attachment capacity(see truck nameplate).



不能有未被夹持的货物置于上部 No unclamped loads on top.

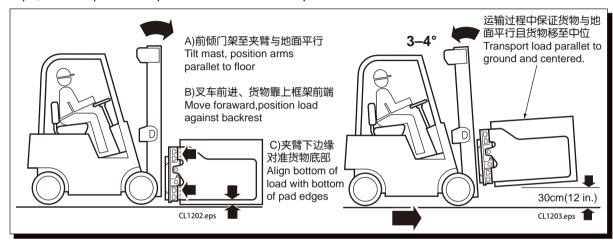


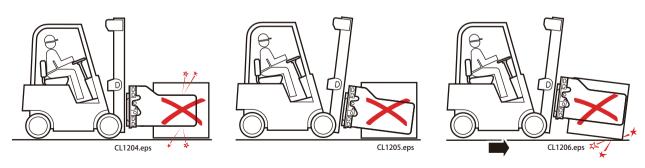
货物居高时应限速行驶 Limit Truck movement with raised load.

门架提升或行驶前请把货物移至中位 Center load prior to lifting and traveling.

货物搬运 OAD HANDLING

软包夹、多用刚臂夹、烟叶箱夹 Bale Clamps,Multi-Purpose Clamps Tobacco Carton Clamps

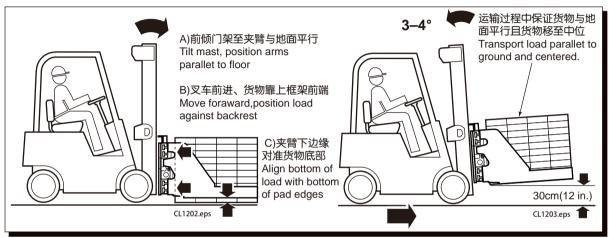


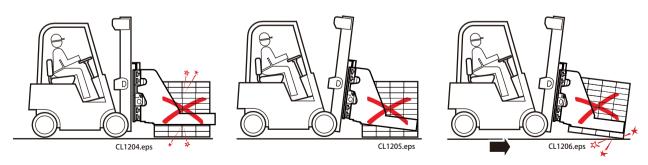




OAD HANDLING

砖块夹 Block Clamps



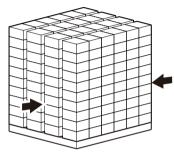




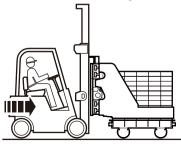
OAD HANDLING

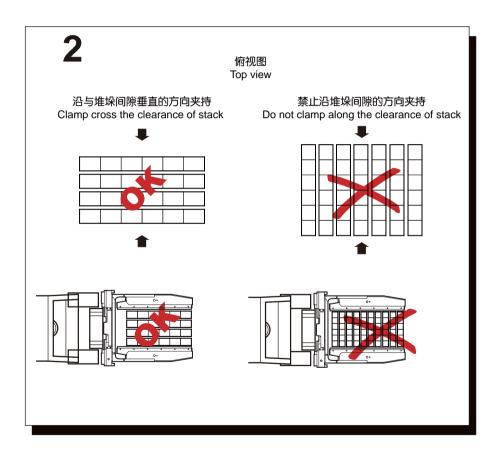
砖块夹 Block Clamps

夹持前,清理砖块堆垛间隙中的杂质 Clear the impurity substance between the clearance of stack before clamping.



3 将夹臂下边缘与砖块堆垛的下边缘对齐 Align the bottom of the arms with the bottom of the bricks stackings

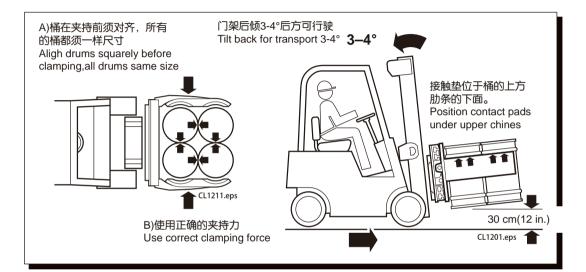


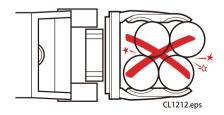


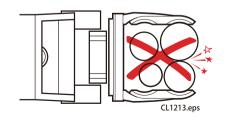


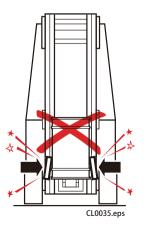
OAD HANDLING

桶夹 Drum Clamps



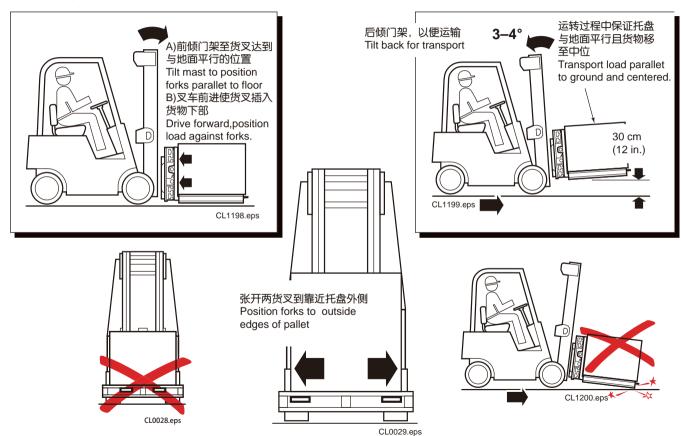






OAD HANDLING

叉夹,两用叉夹 Fork Clamps, Turnaforks

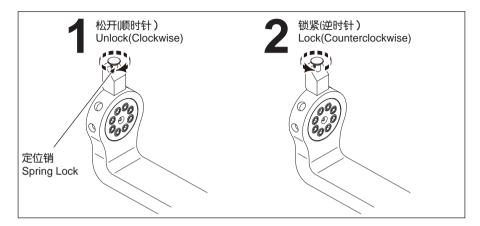




OAD HANDLING

两用叉夹 Turnaforks

货叉的三种状态(手动调节) Three positionable forks options(Adjusting by hand)

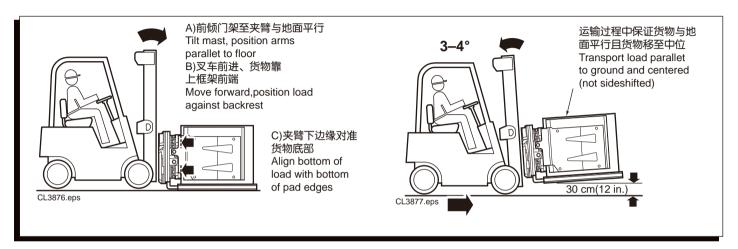




按顺时针方向旋转叉臂上的定位销,将其松开,并将货叉旋转到所需的角度,再按逆时针方向锁紧定位销,固定货叉 Release the spring lock on the fork by twisting clockwise, rotate the forks as required, and lock the fork by twisting the spring lock counterclockwise.

OAD HANDLING

大箱搬运器 Bulk Box Handlers









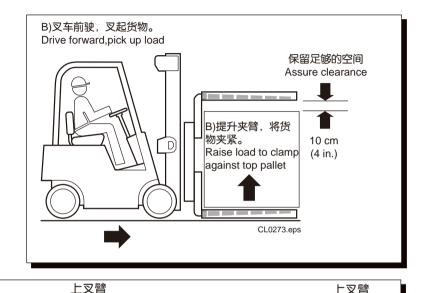


OAD HANDLING

旋转叉 Turnaload

A)叉夹空托盘,旋转180°,使托盘置于上方。 Pick up empty pallet with top arm,rotate 180° to position pallet on top

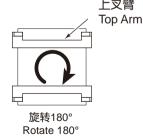




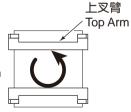


警告: 当货物高度不够,导致无法可靠夹持时,请卸下货物,倒车,并按下列步骤调整上方夹臂:

WARNING:if load is short and does not clamp firmly against top pallet, withdraw from load and reposition top arm as follows;



上叉臂 Top Arm 调整夹臂位置 Adjust arm Rotate 18

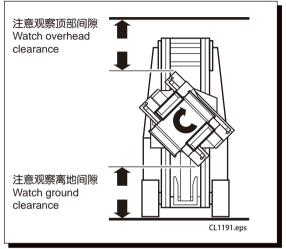


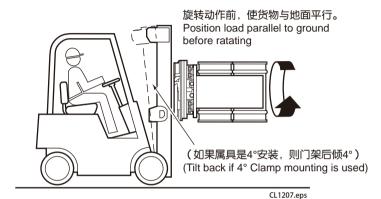
旋转180°, 重新夹持 Rotate 180° and clamp

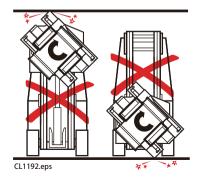
OAD HANDLING

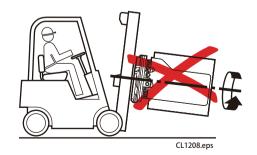
旋转式夹类

Revolving Clamps









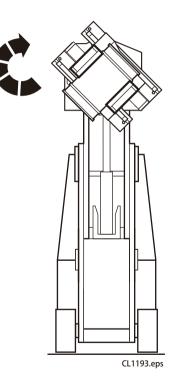
OAD HANDLING





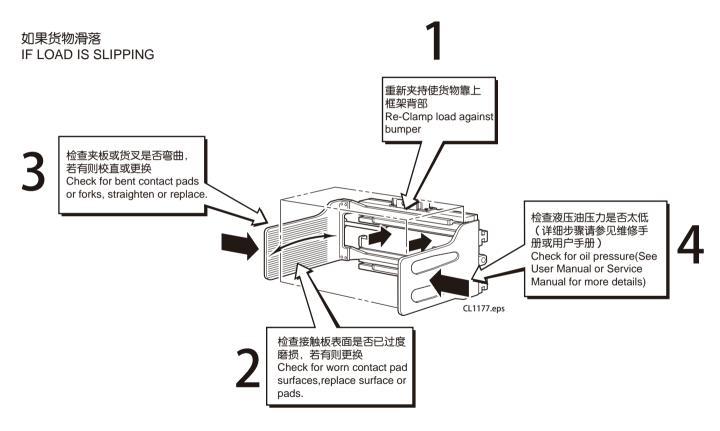


如果必须旋转已举升起的货物,请控制旋转速度 If elevated loads must be rotated, rotated slowly



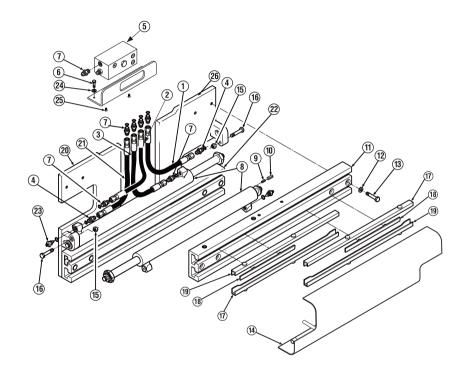


OAD TROUBLESHOOTING



备件清单 **C** PARE PARTS LIST

非旋转式夹类 Non-Revolving Clamps



总图(非旋转式夹类) Base Unit(Non-Revolving Clamp)						
序号	数量	零件号(见注)	描述			
Ref	Qty	Part No.	Description			
1	2	_	胶管 Hose			
2	2	-	胶管 Hose			
3	1	_	胶管 Hose			
4	2	_	接头 Fitting			
5	2	_	阀体总成 Valve			
6	2	-	六角头螺栓M10×20 C/S-HH			
7	9	_	接头 Fitting			
8	2	_	油缸 Cylinder			
9	2	_	内圆柱销 Roll Pin - Inner			
10	2	-	外圆柱销 Roll Pin - Outer			
11	1	_	上导槽 Frame - Upper			
12	12	_	垫圈 Washer			
13	12	-	螺钉 Capscrew			
14	1	-	护挡板 Bumper			
15	2	_	螺母 Nut			
16	2	_	螺钉 Capscrew			
17	4	-	滑动支承 Bearing			
18	4	_	滑动支承 Bearing			
19	4	-	滑动支承 Bearing			
20	1	-	右后挂板 Mounting Plate-RH			
21	1	_	胶管 Hose			
22	1	_	下导槽 Frame - Lower			
23	2	-	节流阀 Restrictor Cartridge			
24	2	_	垫圈10 WASHER			
25	2	_	沉头螺钉 C/S-HSFH			
26	1	-	左后挂板 Mounting Plate - LH			

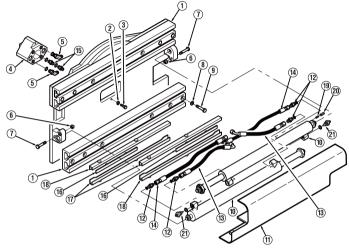


注:不同型号夹类属具的上述零件具有不同的零件号,本清单所列零件号仅供参考。如需订购备件,请事先记录下属具铭牌上的属具型号、编号等信息后,联系卡斯卡特(厦门)公司。

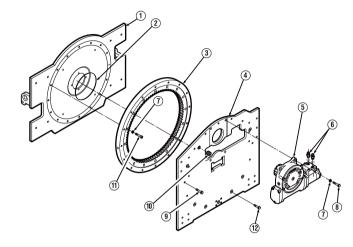
When Ordering replace parts, please consult us and provide the Attachment Model or Serial No. stamped on the nameplate.

备件清单 **C** PARE PARTS LIST

旋转式夹类 Revolving Clamps



	总图(旋转式夹类) Base Unit(Revolving Clamps)											
序号	数量	零件号 (见注)	描述		数量	零件号(凡注)	描述					
Ref	Qty	Part No.	Description		Qty	Part No.	Description					
1	2	-	导槽 Frame	12	4	-	接头 Fitting 6-8					
2	2	-	弹簧垫圈M8 Lock Washer	13	2	_	管 Hose					
3	2	1	六角头螺栓M8×30 Capscrew		2	-	胶管 Hose 6#					
4	1	1	液压旋转连接装置 Rev.Conn.		2	1	接头 Fitting					
5	2	-	弯管接头90 Ftg6-6 90°Elbow	16	4	-	滑动支承 Bearing					
6	2	-	锁止螺母M12 Lock Nut	17	4	1	滑动支承 Bearing					
7	2	1	螺栓 Capscrew	18	4	-	滑动支承 Bearing					
8	8	1	垫圈 Washer	19	2	-	内圆柱销 Roll Pin - Inner					
9	8	1	螺栓 Capscrew	20	2	-	外圆柱销 Roll Pin - Outer					
10	2	-	油缸 Cylinder	21	2	-	节流阀 Restrictor Cartridge					
11	1	-	护挡板 Bumper									



		ħ	旋转总成(旋转式夹类) [Rotator Group (Revolving Clamps)					
序号	数量 零件号(见注) 描述		序号	数量	零件号(凡注)	描述			
Ref	Qty	Part No.	Description	Ref	Qty	Part No.	Description		
1	1	_	面板 Faceplate	8	4	-	六角头螺栓M12 Capscrew		
2	1	-	密封圈 Seal	9	9	1	六角头螺栓 Capscrew		
3	1	-	回转支承 Bearing Assy.	10	1	1	堵头 Plug		
4	1	-	基板 BasePlate	11	16	1	内六角螺钉 M12×35 Capscrew		
5	1	_	减速器总成 Drive Group	12	7	-	六角头螺栓 Capscrew		
6	2	-	接头 Fitting						
7	20	-	弹簧垫圈 M12 Spring Washer						

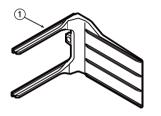


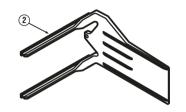
上述零件具有不同的零件号,本清单所列零件号仅供参考。如需订购备件,请事先记录下属具铭牌 编号等信息后, 联系卡斯卡特(厦门)公司。

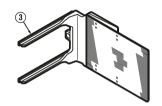
When Ordering replace parts, please consult us and provide the Attachment Model or Serial No.stamped on the nameplate. -21 -

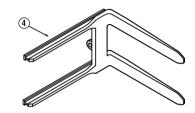
备件清单 PARE PARTS LIST

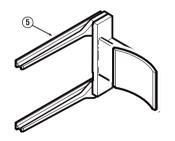
夹臂 Arm

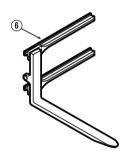












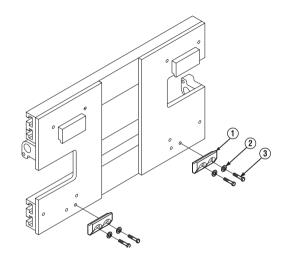
_											
	夹臂 Arm										
序号	序号 数量 零件号(见注) 描述										
Ref	Qty	Part No.	Description								
1	1	-	软包夹夹臂 Bale Clamp Arm								
2	1	-	纸浆包夹夹臂 Pulp Bale Clamp Arm								
3	1	_	多用刚臂夹夹臂 Multi-Purpose Clamp Arm								
4	1	_	旋转叉夹夹臂 Turnafork Arm								
5	1	_	桶夹夹臂 Drum Clamp Arm								
6	1	_	叉夹夹臂 Fork Clamp Arm								



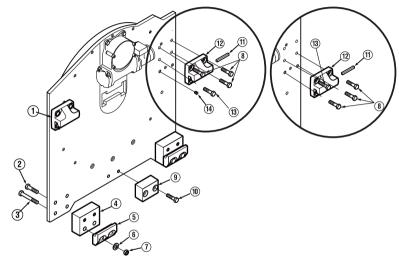
注: 不同型号夹类属具的上述零件具有不同的零件号,本清单所列零件号仅供参考。如需订购备件,请事先记录下属具铭牌 上的属具型号、编号等信息后,联系卡斯卡特(厦门)公司。 When Ordering replace parts, please consult us and provide the Attachment Model or Serial No.stamped on the nameplate.

备件清单 **C** PARE PARTS LIST

夹类螺栓紧固式后挂板总成 Bolt-On



	螺栓紧固式后挂板总成(非旋转式夹类)									
	Bolt-On Mounting Group(Non-Revolving Clamps)									
序号	序号 数量 零件号 Part No. 描述									
Ref	Qty	二级Ⅱ	三级 Ⅲ	Description						
1	2	_	-	下钩 Lower Hook Group						
2	4	_	-	垫片 Washer						
3	3 4 — 六角头螺栓 Capscrew									



		螺栓	紧固式后:	挂板总成(旋转式夹类)	Bolt-On Mounting Group(Revolving Clamps)						
序号	数量	零件号 Part No.		描述	序号	二级	Class II	三组	Class III	描述	
Ref	Qty	二级 Ⅱ 三级 Ⅲ		Description	Ref	Qty	Part No.	Qty	Part No.	Description	
	1	_	-	安装总成 Mounting Group	8	8	-	6	1	螺栓 Capscrew	
1	1	-	-	左上钩 Upper Hook - LH	9	1	-	1	-	中央垫块 Center Spacer	
2	4	_	-	螺栓 Capscrew	10	2	-	2	1	螺栓 Capscrew	
3	4	-	-	螺栓 Capscrew	11	1	-	1	-	止动块 Stop Kit	
4	2	_	-	垫块 Spacer	12	1	_	1	-	右上钩 Upper Hook – RH	
5	2	_	-	下钩 Lower Hook	13	ı	-	2	-	螺栓 Capscrew	
6	4	_	-	平垫 Washer	14	ı	-	2	1	堵头 Plug	
7	4	-	-	螺母 Nut							



注:不同型号夹类属具的上述零件具有不同的零件号,本清单所列零件号仅供参考。如需订购备件,请事先记录下属具铭牌 上的属具型号、编号等信息后, 联系卡斯卡特 (厦门)公司。

When Ordering replace parts, please consult us and provide the Attachment Model or Serial No.stamped on the nameplate.

定期维护保养

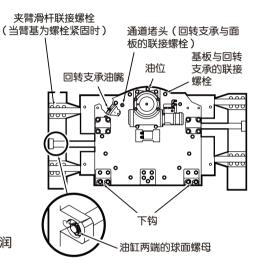


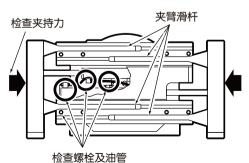
P ERIODIC MAINTENANCE

100小时保养 100-hour

叉车每次维修或使用100小时后(以先到达者为准),

- 1.检查标签或铭牌是否清晰。
- 2.检查属具工作同步性, 必要时进行调整。
- 3.检查螺栓是否松动或丢失,油管是否磨损或损坏,油缸是否泄漏。
- 4.使用轴承润滑油润滑油缸两端的球形螺母,并检查其紧固情况;球形螺母 既要锁紧六角头垫圈,且要保证夹持时,与球面油钢座不发生干涉。
- 5.对工程塑料滑动支承进行定期润滑可延长其寿命,必要时,使用底盘润滑油润 滑滑杆的滑动支承部分。
- 6.锁紧滑竿与夹臂的螺栓(无臂夹),力矩大小如下: 35D & 50D: 380-430Nm(280-320 ft.-lbs.) 70D:922-976 Nm(680-720 ft.-lbs.)
- 7.检查夹紧力保压情况。 (可使用卡斯卡特压力测试仪#200645)





定期维护保养



ERIODIC MAINTENANCE

500小时保养 500-Hour

叉车每使用500小时后,在进行100小时保养的同时,还应包括以下检测、保养工作:

- 1.重新锁紧上下安装挂钩的螺栓。
- 2.加固基板与回转支承的联接螺栓,力矩大小为88-100N·m。
- 3.卸开基板后面左上角的堵头,校验面板与回转支承的联接螺栓,力矩大小为130-135Nm。
- 4.使用轴承润滑油润滑回转支承,加油期间让回转支承旋转一周。
- 5.拧开减速器上的油嘴,检查减速器内齿轮油的油位,如果没有到达油嘴孔,请用656300或SAE#90齿轮油加满。

1000小时保养 1000-Hour

叉车每使用1000小时后,在进行100、500小时保养的同时,还应包括以下检测、保养工作:

检查E型槽内的滑动支承,如果已经磨损,而且剩余厚度小于1毫米,请更换。

2000小时保养 2000-Hour

叉车每使用2000小时后,在完成100、500、1000小时保养的同时,还包括以下检测、保养工作

- 1.更换所有滑动支承。
- 2.重新锁紧属具上所有的紧固螺栓。
- 3.检查油缸保压情况,如出现不保压,请检查油缸维修包及单向阀芯情况,必要时进行更换密封件。



100小时保养 100-hour

Every time the lift truck is serviced or every 100 hours of truck operation, whichever comes first, complete the following maintenanve procedures:

- 1. Check decals and nameplate for legibility.
- 2.Check for equal arm movement.
- 3. Check for loose or missing capscrews, worn or damaged hoses, and hydraulic leaks.
- 4.Apply wheel bearing grease to the spherical portion of the cylinder anchor nuts, Inspect the cylinder anchor nuts. The nuts must be tight against the hex washer, but loose fit with the anchor for alignment when clamping.
- 5.Arm bearing life can be extended with periodic light lubrication. If your application warrants, apply a thin film of classis grease to the bearing portion of the arm bars.
- 6. Tighten the arm bar capscrews to a torque of:

35D & 50D: 380-430N·m (280-320 ft.-lbs.)

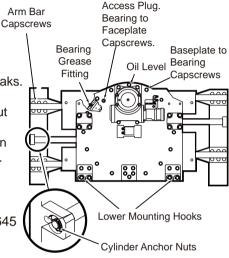
70D:922-976 N·m(680-720 ft.-lbs.)

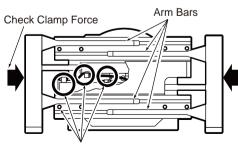
7. Check clamp force retention. (Cascade Clamp Force Indicator, Part No. 200645 is available for this test.)

500小时保养 500-Hour

After each 500 hours of turck operation, in addition to the 100 hourmaintenance, perform the following procedures:

- 1. Tighten the lower hook capscrews.
- 2. Tighten the baseplate to bearing assembly outer race capscrews to a torque of 88-100 N·m(65-75 ft.-lbs.)





Check Capscrews and Hoses



- 3.Remove the access plug on the back upper left side of the baseplate. Tighten the bearing assembly inner race to faceplate capscrews to a torque of 130-135 Nm(95-100 ft.-lbs.)
- 4. Lubricate the rotator bearing assembly with chassis grease.

Rotate the attachment one full turn while applying grease to the grease fitting.

5. Check rotator drive gearcase lubricant level. Lubricant should be up to bottom of fill plug hole. If necessary, fill with Cascade Rotator Drive Lubricant, Part No.656300, or SAE 90 wt.gear lube(AGMA'mild'6 EP Gear Oil). Replace plug.

1000小时保养 1000-Hour

After each 1000 hours of lift truck operation,in addition to the 100-hour and 500-hour maintenance procedures,perform the following.

Inspect the arm bearings. If the bearings are worn in any area to a thickness less than, 1 mm(0.04 in.), they must be replaced.

2000小时保养 2000-Hour

After each 2000 hours of lift truck operation, in addition to the 100-hour, 500-hour, they must be replaced.

- 1.Replace all arm bearings.
- 2. Tighten the frame mounting plate capscrews.
- 3. Check the cylinder hydraulic retention, if leaking, check the cylinder service kits and check valve, replace as necessary. Check the revolving connect valve seals, replace as necessary.



安全操作和维护 C AFE OPERATION AND MAINTENANCE (OSHA REGULATIONS)

符合OSHA规则一工业车辆和属具(详见OSHA1910.178)



警告: 本工业车辆安全操作和维护规则遵循 OSHA1910.178和ANSI B56.1-1969工业车辆 安全标准。当操作和维护安装有属具的叉车时 您要特别注意这些规则的如下部分。您应熟悉 这些规则的所有部分。不明之处请向您的上级 询问。

(a)常规要求

- (4)除非预先得到书面许可,用户无权擅自更改和添加影响作业能力 和操作安全的操作。
- (5)如果用户自行在叉车上安装属具而不通过厂家安装,用户将被要 求对叉车进行标注以区别干属具, 并标明在货物载荷中心夹持并举升到 最大高度时叉车/属具准确的综合载重量。
 - (6)用户在维护时应能看到所有铭牌和标签清晰明了。

(e)安全规则

- (2)如果货物堆放形式不合安全规范,用户应根据如下(a)(2)要求 给叉车加装竖式挡货架。
- (a)(2)所有1972年2月15日以后用户购买的叉车的设计和结构必须符合降下货物,挂空挡,关闭发动机并拉上制动刹车手柄。 中ANST制定ANSI B156.1-1969工业车辆部件 Ⅱ 标准。

只有经过培训和授权的操作者才可以驾驶叉车。在叉车安 全培训时应为培训人员制订相关规程。

(m)叉车驾驶

- (1)叉车不允许朝工作台或其他固定物体前的站立者行进。
- (2) 叉车举升时无论空载还是载货时都不允许有人站在货叉 下方或从货叉下方经过。
- (3)未经授权的人员不允许驾驶叉车, 用于安全驾驶叉车的 场地亦须得到许可。
 - (4)不允许将手臂或脚伸到门架之间或行进着的叉车外。
- (5i)当叉车载着货停放时,货物应尽量完全放低。控制杆应 挂空挡,关闭发动机并拉上制动刹车手柄。如果叉车停在斜坡上 还应用块状物挡住车轮。
- (5ii)叉车在以下情况属无人看管状态:操作者远离叉车7.6米 以上(即使在视野以内),或任何时候操作者离开叉车并不在视 野范围内。
- (5iii) 当操作者离开叉车并在7.6米的视野范围内时,应先完全
- (6) 在任何装卸码头或载重卡车作业时都应使叉车与斜坡或平 台保持一定的安全距离。叉车不能用于开闭门。

(I)操作人员培训

安全操作和维护 C AFE OPERATION AND MAINTENANCE (OSHA REGULATIONS)

(10)无论是否需要都应加装挡货架,以尽可能减小货物或部分货物向后 掉落的可能性。

(n) 行进

(4)驾驶员经过十字路口或其他影响视野的障碍物时应慢速行 驶并鸣笛。如果货物搬运时前方视线被挡, 驾驶员应采用倒 退搬运。

(7i)当斜坡坡度超过10°时,叉车装载行驶时须使货物相对叉车而言 处于坡度上方(即上坡时叉车向前行驶,下坡时叉车倒退行驶。)

(7iii)在坡上行驶时,叉车门架尽可能后倾,并提升必要的高度以保 证货物运输安全。

(o)装货

- (1)只允许搬运包装稳定或安全的货物。在搬运载荷中心不对中的货 物时须小心谨慎。
 - (2)只允许搬运叉车承载能力范围内的货物。
- (3)当货物尺寸过长或过高(包括多层货物)而影响承载能力 时, 必须调整货物。
- (4)操作安装上属具的叉车,即使不夹持货物,也应把它看成搬运了 一定重量(非满载)货物。
 - (5)须小心地后倾门架以保证货物稳定性。

(6)货物前后倾时要格外小心、特别是高层堆垛时。货物提升时 不能同时前倾、除非叉起货物时。提升货物至堆垛货物上方 时再前倾。当堆垛多层货物时, 应尽量后倾以保证稳定性。

(p)叉车操作

(1)任何时候发现叉车处于须维修、有缺陷或任何不安全隐患的 情况, 叉车必须停下来维修直到可重新安全工作。

(a)叉车维护

- (1)任何存在不安全操作隐患的叉车都应该返修。所有维修工作 应由经授权的人员完成。
- (5)叉车上所有待维修更换的部件都只能用标准更换件更换以确 保叉车保持出厂时的安全使用状态。
- (6)未经授权不得对叉车擅自改动以避免和出厂时众多部件原有 位置不符。也不允许用即使制造商原先没提供的额外部件进 行更换或减少任何配件。除非得到叉车制造商的许可,否则 不得对叉车超载作业。
- (7)叉车投入使用前应先检查,如果检查显示任何对叉车操作不 安全的迹象时都不可投入使用。这样的检查至小应每日进 行。如果叉车是24小时不间断工作,那么每次换班时需例 行检查。发现毛病时应立即上报并更正。



安全操作和维护 C AFE OPERATION AND MAINTENANCE (OSHA REGULATIONS)



WARNING: The safe operation and maintenance of industrial trucks is regulated by Occupational Safety and Health(OSHA) regulations 1910.178 and American National Standards Institute(ANSI)Safety Standard for Powered Industrial Trucks, ANSI B56.1-1969. When operating and maintaining industrial trucks equipped with attachments you should pay particular attention to the following sections of these regulations. You should be familiar with all sections of these regulations. Ask your employer for the complete regulations.

(a) General Requirement

- (4) Modifications and additions which affect capacity and safe operation shall not be performed by the customer or user without manufacturers prior written approval. Capacity, operation and maintenance instruction plates, tags or decals shall be changed accordingly.
- (5) If the truck is equipped with front-end attachments other than factory installed attachments, the user shall request that the truck be marked to identify the attachments and show the appropriate weight of the truck and attachment combination at maximum elevation with load laterally centered.
- (6) The user shall see that all nameplates and markings are in place and maintained in a legible condition.

(e)Safety Guards

(2) If the type of load presents a hazard, the user shall equip fork trucks with a vertical load backrest extension in accordance with (a) (2) following. (a) (2) All new powered industrial trucks acquired and used by an employer after February 15,1972 shall meet the design and construction requirements for powered industrial trucks established in the "American National

Standard for Powered Industrial Trucks, Part II, ANSI B56.1-1969", except for vehicles intended primarily for earth moving or over -the-road hauling..

(I)Operator Training

Only trained and authorized operators shall be permitted to operate a powered industrial truck. Methods shall be devised to train operators in the safe operation of powered industrial trucks. (m)Truck Operations

- (1) Trucks shall not be driven up to anyone standing in front of a bench or other fixed object.
- (2) No person shall be allowed to stand or pass under the elevated portion of any truck, whether loaded or empty.
- (3) Unauthorized personnel shall not be permitted to ride on powered industrial trucks. A safe place to ride shall be provided where riding of trucks is authorized.
- (4) The employer shall prohibit arms or legs from being palced between the uprights of the mast or outside the running lines of the truck.
- (5i) When a powered industrial truck is left unattended, load engaging means shall be fully lowered controls shall be neutralized, power shall be shut off and brakes set. Wheels shall be blocked if the truck is parked on an incline.
- (5ii) A powered industrial truck is unattended when the operator is 25 feet or more away from the vehicle which remains in his view, or whenever the operator leaves the vehicle and it is not in his view.
- (5iii) withinWhen the operator of an industrial truck is dismounted and within 25 feet of the truck still in his view, the load engaging means shall be fully lowered, controls neutralized and the brakes set to prevent movement.



安全操作和维护 AFE OPERATION AND MAINTENANCE (OSHA REGULATIONS)

(6) A safe distance shall be maintained from the edge of ramps or platforms while on any elevated dock or platform or freight car. Trucks shall not be used for opening or closing freight doors. (10) A load backrest extension shall be used whenever necessary to minimize the possibility of the load or part of it from falling rearward.

(n)

- (4) The driver shall be required to slow down and sound the horn at cross isles and other locations where vision is obstructed. If the load being carried obstructs forward view, the driver shall be required to travel with the load trailing.
 - (7i) When ascending or descending grades in excess of 10 percent, loaded trucks shall be driven with the load upgrade.
- (7ii) On all grades the load and load engaging means shall be tilted back if applicable, and raised only as far as necessary to clear the road surface.

(o)Loading

- (1) Only stable or safely arranged loads shall be handled. Caution shall be exercised when handling off-center loads which cannot be centered.
- (2) Only loads within the rated capacity of the truck shall be handled.
- (3) The long or high(including multiple-tiered)loads which may affect capacity shall be adjusted.
- (4) Trucks equipped with attachments shall be operated as partially loaded trucks when not handling a load.
- (5) A load engaging means shall be placed under the load as far as possible; the mast shall be carefully tilted backward to stabilize the load.
- (6) Extreme care shall be used when tilting the load forward or backward, particularly when high tiering. Tilting forward with

load engaging means elevated shall be prohibited except to pick up a load. An elevated load shall not be tilted forward except when the load is in a deposit position over a rack or stack. When stacking or tiering only enough backward tilt to stabilize the load shall be used.

(p)Operation of the Truck

(1) If at any time a powered industrial truck is found to be in need of repair, defective, or in any way unsafe, the truck shall be taken out of service until it has been restored to safe operating condition.

(g) Maintenance of Industrial Trucks

- (1) Any power-operated industrial truck not in safe operating condition shall be removed from service. All repairs shall be made by authorized personnel.
- (5) All parts of any such industrial truck requiring replacement shall be replaced only by parts equivalent as to safety with those used in the original design.
- (6) Industrial trucks shall not be altered so that the relative positions of the various parts are different from what they were when originally received from the manufacturer, nor shall they be altered either by the addition of extra parts not provided by the manufacturer or by the elimination of any parts. Additional counter-weighting of fork trucks shall not be done unless approve by the truck manufacturer.
- (7) Industrial trucks shall be examined before being placed in service and shall not be placed in service if the examination shows any condition adversely affecting the safety of the ehicle. Such examinations shall be made at least daily. When industrial trucks are used on a round-the-clock basis, they shall be examined after each shift. Defects when found shall be immediately reported and corrected.

质量保证政策



感谢您选用卡斯卡特(厦门)叉车属具有限公司产品。为了充分保障您的权益,请认真阅读本质量保证政策。

以下:"卡斯卡特(厦门)公司"指卡斯卡特(厦门)叉车属具有限公司;"购买商"指直接与卡斯卡特(厦门)公司签订产品购销合同的 叉车主机厂或获得叉车主机厂授权的代理商。

卡斯卡特(厦门)公司:保证其产品符合卡斯卡特(厦门)公司所提供的有效的产品购销合同、报价单、产品手册中所列有关性能参数的要求。

卡斯卡特(厦门)公司全新产品:包括属具、货叉、卷管器和配件,质量保证期为卡斯卡特(厦门)公司货交第一承运人之日起24个月或该产品使用4000小时。以上述两项中先到期限者为准。

卡斯卡特(厦门)公司绿萌系列再制造产品: 质量保证期为卡斯卡特(厦门)公司货交第一承运人之日起6个月或该产品使用1000小时。以上述两项中先到期限者为准。

本政策中,"质量保证"的含义是:卡斯卡特(厦门)公司将对于获得其书面授权人员检查后确认在材料或制造工艺方面存在缺陷的任何零部件进行修理或更换。

购买商、最终用户应做到:

- 1.在对卡斯卡特产品进行安装、调试、使用和保养时,必须严格按照相关的卡斯卡特安装说明书、检测规范、操作指南和维修手册的规定进行操作。
- 2.只有在获得卡斯卡特(厦门)公司的书面授权后,方可对所购的卡斯卡特公司产品进行修理,但不能拆除或更换产品上的零部件。 任何在未经卡斯卡特(厦门)公司书面授权的情况下对卡斯卡特产品所作的修理、改动,或使用非卡斯卡特(厦门)公司原厂提供的零部件,或违反卡斯卡特安装说明书、检测规范、操作指南和维修手册中的有关规定,都将导致失去享受本质量保证政策的权利。

质量保证政策



注意事项:

- 1.卡斯卡特(厦门)公司对于使用其产品进行超出该产品适用工况的特殊作业导致的产品损坏或任何非正常状况不 予保修。
- 2.当购买商或最终用户已拥有或虽未拥有但已开始使用本公司产品后,发生的该产品丢失、该产品使用中对人身或财产造成损失或损害(包括间接损失或损害),卡斯卡特(厦门)公司均不承担责任。
- 3.产品正常使用中的磨损、消耗、未按卡斯卡特(厦门)公司操作指南而进行非正常使用、以及正常或定期的维护保养工作,不享受本质量保证政策。
- 4.超出本质量保证政策内容及卡斯卡特(厦门)公司购销合同上所述的产品相关条款外的情况,均不享受本质量保证政策。

最终用户如果需要进一步了解卡斯卡特(厦门)公司产品或安装及修理方面的事宜,请首先向售出该产品的叉车主机厂或其代理商咨询。

卡斯卡特(厦门)公司也非常乐意解答您在这方面的任何问题。

请洽:卡斯卡特(厦门)叉车属具有限公司服务与配件处 电话: 40088 57315

本质量保证政策自2013年9月24日起生效。在新的质量保证政策颁发前,本政策一直有效。卡斯卡特(厦门)公司保留对本政策进行修改的权利,届时恕不一一通知。请注意本政策页面下端的版本号。

Version No.: Cascade Xiamen 2013



Thank you very much for your purchasing Cascade products, in order to fully guarantee your rights and interests, please read the content of this Warranty carefully.

In this article, hereafter, "Cascade Xiamen" means Cascade Xiamen Forklift Truck Attachment Co., Ltd.: "Buyer" means the forklift truck OEM (Original Equipment Manufacturer) or its authorized Dealer who signs purchasing contract with Cascade Xiamen directly for its product.

Cascade Xiamen: warrants its products to conform to published specifications as found in its valid sales contracts, quotations, brochures, price lists.

Cascade Xiamen New Products: consisting of attachments, forks, hose reels and service parts are warranted for 24 months following the date of delivery to the primary carrier, or 4000 hours of operation, whichever terminates first alternatively.

Cascade Xiamen Remanufactured Products: are warranted for 6 months following the date of delivery to the primary carrier, or 1000 hours of operation, whichever terminates first alternatively.

Within the policy, "Warranty" means Cascade Xiamen will repair or replace, at its option, any part that a Cascade Xiamen itself or .authorized inspection reveals to be defective in materials or workmanship.

What Buyers and Customers must do:

1.To preserve Cascade Xiamen's Warranty, Buyers and Customers must carefully follow applicable Cascade Installation Instructions,

Service Manuals and Operator Guides when installing, adjusting, maintaining and operating Cascade equipment.

2.Buyers, Customers must obtain Cascade Xiamen written authorization for repairs other than removal or replacement of defective parts.

Any unauthorized repairs or alterations, use of parts not provided by Cascade Xiamen, or failure to follow Cascade's Installation Instructions, Service Manuals and Operator Guides will result in loss of Warranty.



Notice:

- 1.Cascade Xiamen does not warrant that its products will perform any particular task which conditions are not suitable for the product.
- 2. Cascade Xiamen assumes no responsibility for loss, damage or injury to persons or property, or for consequential damages, resulting from the possession or use of its products.
- 3.Cascade Xiamen's Warranty does not cover wear, tear, abnormal applications which fail to follow Cascade Xiamen product Operator's Guide properly, normal or scheduled maintenance.
- 4.THERE ARE NO WARRANTIES EITHER EXPRESS OR IMPLIED INCLUDING ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE WHICH EXTEND BEYOND THOSE STATED IN THIS WARRANTY AND THE PRODUCT DESCRIPTION ON THE FACE OF CASCADE XIAMEN'S ORDER ACKNOWLEDGEMENT.

If the end user customer would like to know more about Cascade Xiamen product or the relevant aspects of installation and service, please firstly consult with the forklift truck OEM or its Dealer who sold the product.

Cascade Xiamen is also very happy to answer any of your questions on this. Please contact: Service and Spare Parts Department, Cascade Xiamen Forklift Truck Attachment Co., Ltd. Phone: 40088 57315

This Warranty's effective since September 24, 2013. Its validity remains until being superceded by a later version. Cascade Xiamen reserves all the rights of amendment without notice. Please note the Version No. at the bottom of this page.

卡斯卡特(厦门)叉车属具有限公司 Cascade Xiamen Forklift Truck Attachment Co., Ltd

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