

**MAINTENANCE  
MANUAL**  
**维 护 手 册**

**小蜘蛛**  
Smart spider

牧德科技（北京）有限公司  
MODE CHINA

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01

使用与维护

Use and maintenance

A

使用前后检查

Inspection before and after use

- ◆ 在每次使用升降器之前，用户必须确保升降器完全处于正常工作状态并完成用前检查。如有疑问，请勿使用升降器，咨询牧德科技或认证经销商。

Before each use of the ascender, the user must ensure that the ascender is fully in normal working condition and complete a pre-use inspection. If in doubt, please do not use the ascender and consult Mode China company or a certified dealer.

- ◆ 检查升降器及其部件有无零件松动、过度磨损和损坏。损坏包含裂缝、痕迹和异常磨损。

Check the ascender and its components for loose parts, excessive wear and damage. Damage includes cracks, marks and unusual wear and tear.

- ◆ 仅可使用牧德科技建议的原装备件和物料。

Only use original equipment and materials recommended by Mode China company.

- ◆ 定期清洁设备。检查充电引脚和金属环是否氧化。如有需要，进行清洁和润滑。

Clean equipment regularly. Check the charging pin and metal ring for oxidation. Clean and lubricate if necessary.


- ◆ 请勿使用流动的水或者高压清洗。  
Do not use running water or high pressure cleaning.
- ◆ 用湿布擦拭升降器，然后晾干。  
Wipe the ascender with a damp cloth and then dry it.

B / 定期维护  
Regular maintenance

序号 Serie	检测项目 Testing items	图示 icon
1	<p>检查设备上的所有螺钉，是否有松动现象。必须保证每个螺钉都很紧固 Check all screws on the device to see if they are loose. Make sure every screw is tight.</p> <p>保养周期：一个月 Maintenance cycle: one month</p>	<p>整机检查 Whole machine inspection</p>
2	<p>检查分绳器是否在导绳轮内否居中 Check if the rope splitter is centered inside the guide pulley.</p> <p>保养周期：每次使用 Maintenance cycle: every use</p>	

3	<p>检查绳轮的沟槽内，是否有锋利的尖角。它会损毁绳子。如有磨损严重则需更换。</p> <p>Check whether there are any sharp corners in the groove of the sheave. It will damage the rope. If it is severely worn, it needs to be replaced.</p> <p>检查周期：一个月</p> <p>Inspection cycle: one month</p>	
4	<p>绳索安装完毕后，线轮罩壳应该如图正确安装，不能松脱</p> <p>After the rope is installed, the reel cover should be installed correctly as shown and cannot be loose.</p> <p>保养周期：每次使用</p> <p>Maintenance cycle: every use</p>	
5	<p>电池电源接口，可以用高压气体进行清洁。保证表面没有污物。</p> <p>The battery power interface can be cleaned with high-pressure gas. Make sure there is no dirt on the surface.</p> <p>保养周期：一个月</p> <p>Maintenance cycle: one month</p>	

6	<p>检查旋转调速手柄，松开后能顺利回弹至起点。不能有卡滞现象。</p> <p>Check that the rotating speed control handle can smoothly rebound to the starting point after being released. There should be no stagnation.</p> <p>保养周期：每次使用前</p> <p>Maintenance cycle: before each use</p>	
7	<p>导绳轮应旋转灵活，无卡滞现象。</p> <p>The guide pulley should rotate flexibly without sticking.</p> <p>保养周期：每次使用前</p> <p>Maintenance cycle: before each use</p>	
8	<p>急停按钮，开关键，方向键都动作可靠，无卡滞现象。</p> <p>The emergency stop button, on/off key, and direction keys all operate reliably and there is no sticking phenomenon.</p> <p>保养周期：一个月</p> <p>Maintenance cycle: one month</p>	

9	<p>安全挂绳每次使用前检查是否有破损现象。 Check the safety lanyard for damage before each use.</p> <p>如有破损或者已到达6个月则需要更换。 If it is damaged or has reached 6 months, it needs to be replaced.</p>	
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C / 结构说明  
Structure description

◆ 如果有零件损坏，请联系MODE售后购买配件，或者MODE指定的服务商  
If any parts are damaged, please contact MODE after-sales service to purchase accessories, or MODE's designated service provider.

02 保修清单Warranty list

序号 No.	名称 Name	保修政策 Warranty Policy	序号 No.	名称 Name	保修政策 Warranty Policy
1	行星减速机 Planetary reducer	一年 one year	11	承重销 load bearing pin	一年 one year
2	制动器 brake	一年 one year	12	线轮罩壳 Sheave cove	一年 one year
3	驱动板总成 drive board assembly	一年 one year	13	分绳器 Rope divider	一年 one year
4	手动释放总成 Manual release assembly	一年 one year	14	动力电池组 Power battery pack	一年 one year
5	提手A Handle A	一年 one year	15	战术调速器总成 Power battery pack	一年 one year
6	拉伸壳体 Stretch shell	一年 one year			
7	墙板B wall panel B	一年 one year			
8	按钮开关 Power switch button	一年 one year			
9	按钮开关方向键 Button switch direction key	一年 one year			
10	急停开关 Emergency stop button	一年 one year			

下列情况不属三包范围：

The following situations are not within the scope of the three guarantees:

- ◆ 因非“MODE”经销商进行不正确修理或保养而造成的故障；  
Malfunctions caused by improper repair or maintenance performed by non-“MODE” dealers;
- ◆ 因疏忽（人为损坏）、错误处理、外物碰撞等）、不正确的使用（如超出产品极限范围:最大负载）  
Due to negligence (man-made damage), mishandling, collision with foreign objects, etc.), incorrect use (such as exceeding the product limit range: maximum load)
- ◆ 因环境条件（例如工业大气污染、化合物、鸟粪、海水盐份或其它腐蚀物质）造成的损伤；  
Damage caused by environmental conditions (such as industrial air pollution, chemical compounds, bird droppings, sea salt or other corrosive substances);
- ◆ 自行进行了产品改动（如马达改造、性能改变、扩展使用范围等）由于这些改动直接造成了产品故障；  
Self-made product modifications (such as motor modifications, performance changes, expanded use range, etc.) and these modifications directly caused product failure;
- ◆ 使用非“MODE”原厂配件；  
Use non-“MODE” original accessories;
- ◆ 因对产品使用腐蚀性或劣质清洗剂造成损坏；  
Damage caused by the use of corrosive or inferior cleaning agents on the product;
- ◆ 产品用作不法场合。  
The product is intended for illegal use.
- ◆ 由于不可抗拒的各类灾害所造成的损坏（如地震、洪水等）。  
Damage caused by various irresistible disasters (such as earthquakes, floods, etc.).