

Fast-Fill 手柄维修手册

Fast-Fill Handpiece Maintenance Manual

注意
Warning

此产品需要厂家授权的人员维修操作，否则保修失效
This product must only be repaired by manufacturer approved partner, Otherwise the warranty will be invalid.

编写

审核

批准

文件编号

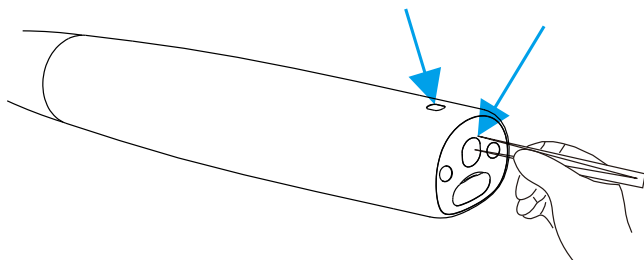
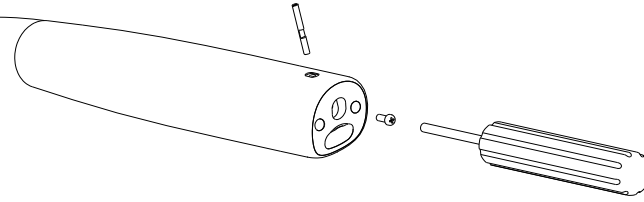
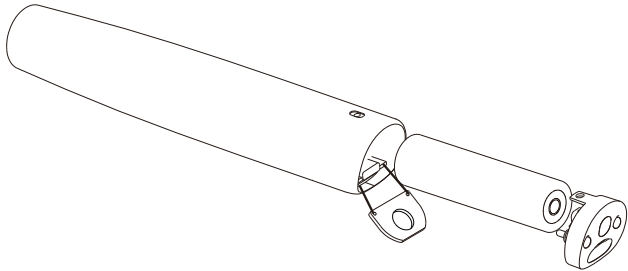
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产品型号

Fast-Fill

拆卸

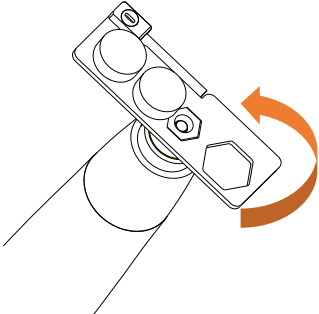
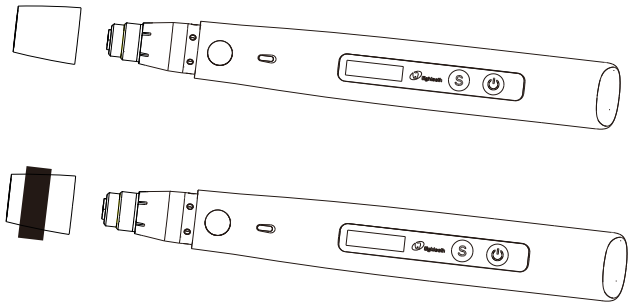
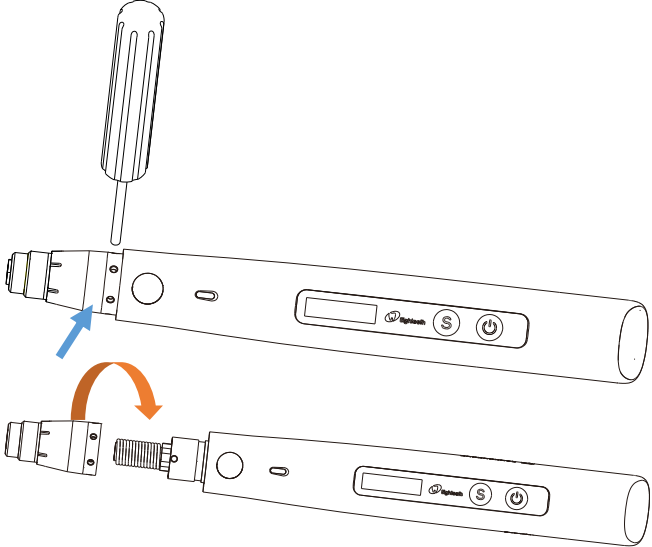
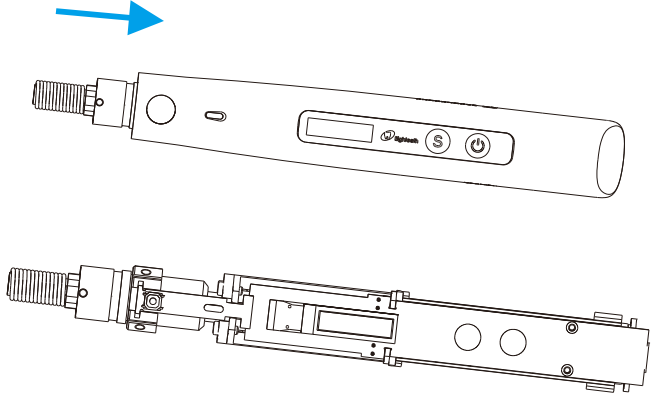
Disassembly

| 步骤 Step | 示意图 Diagrammatic Sketch | 说明 Description |
|------------|---|--|
| 1 |  | 用镊子分别取下插销贴面和加热器螺钉盖 Remove the rubber pad on the battery cover and the paster on the cover housing. |
| 2 |  | 先拧下螺丝，然后取下侧边的手柄底盖销 Firstly, screw off the screw on the bottom covering, Then, remove the pin in the cover housing. |
| 3 |  | 取下加热器手柄底盖，翻出充电电路板，倒出电池 Remove the bottom covering with handpiece. Open the charging circuit board and take out the battery. |

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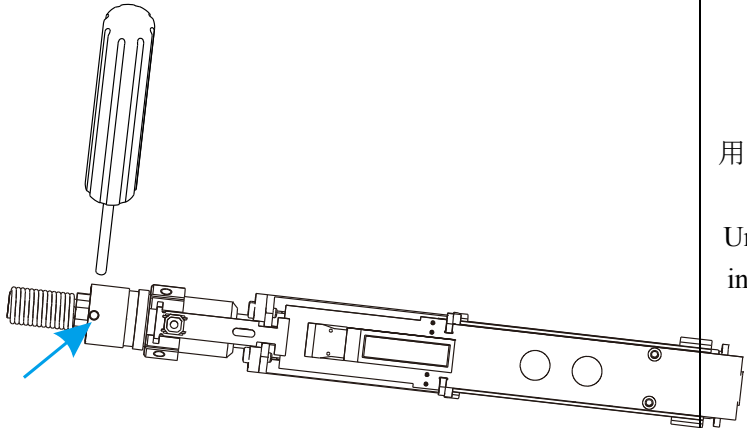
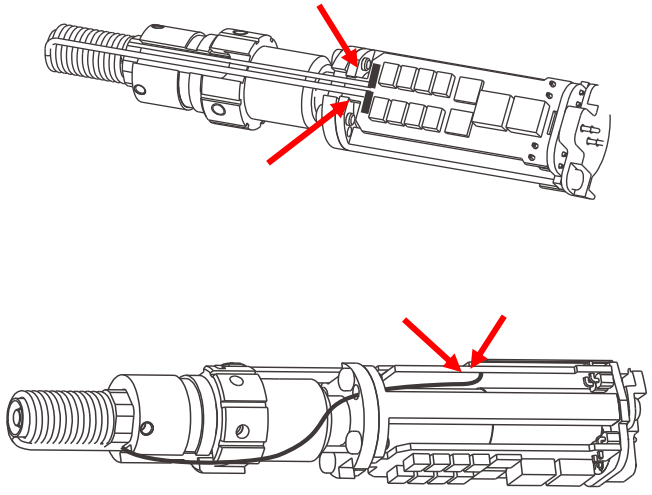
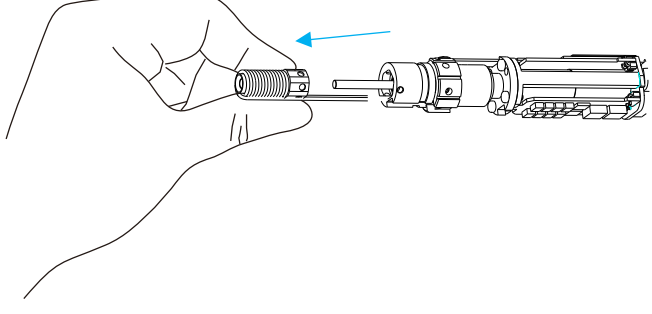
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| | | |
|---|---|---|
| 4 |  | <p>用弯针扳手拧出清洁螺母。</p> <p>Unscrew the cleaning nut with the bending tool.</p> |
| 5 |  | <p>用力拔出充填仪装饰套环。如果操作不便，可在套环外缠绕胶带或者橡胶条以增大摩擦。</p> <p>Pull out the ring from handpiece directly. Wind tape around the ring to increasing friction.</p> |
| 6 |  | <p>用内六角螺丝刀拧下发热丝套侧边的三颗紧定螺钉，然后拧出并取下发热丝套。</p> <p>Unscrew the three screws on the side of the heating wire sleeve with hexagon socket screwdriver. And Unscrew the heating wire sleeve.</p> |
| 7 |  | <p>从头部用力顶出充填仪机芯组件，使之与外壳分离。</p> <p>Push out the motor and PCBA assembly from the housing.</p> |

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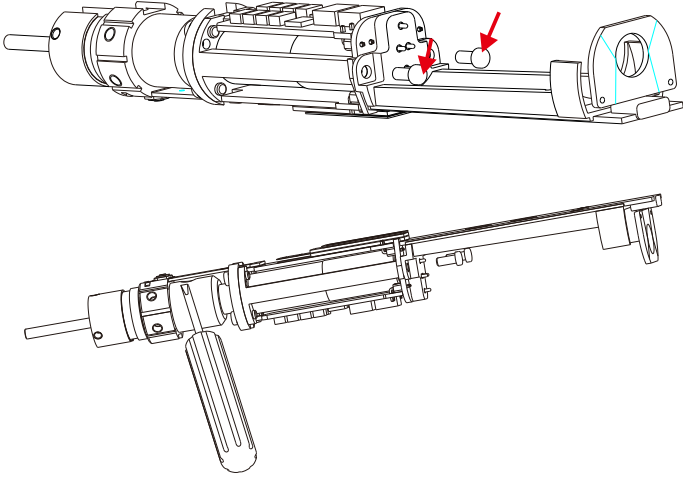
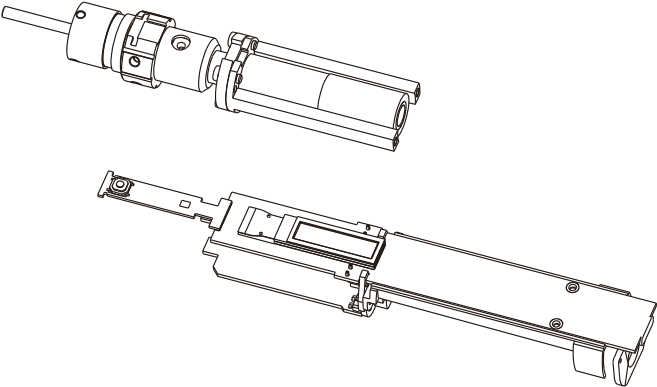
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| | | |
|----|---|---|
| 8 |  | <p>用内六角螺丝刀拧下隔热止转套侧边的三颗紧定螺钉。</p> <p>Unscrew the three screws on the side of the heating insulation sleeve with hexagon socket screwdriver.</p> |
| 9 |  | <p>熔化电路板上发热线圈和采温线的两处焊点。</p> <p>Melt the welding spot of the heating coil and the mining line on the circuit board.</p> |
| 10 |  | <p>用手慢慢拔出发热头部组件。</p> <p>Pull out the heating head assembly slowly by hand.</p> |

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| | | |
|----|--|---|
| 11 |  | <p>用十字螺丝刀拆下图中标记位置的两个螺丝。然后用一字螺丝刀将按键电路板背面的双面胶翘起分离。</p> <p>Remove the two screws from the motor holder (marked in the figure). Then separate the double-sided adhesive from the circuit board.</p> |
| 12 |  | <p>先将电机组件和电路板组件分开，然后将电机引线从电路板上焊点熔开。</p> <p>Separate the motor assembly and the circuit board assembly. Then melt spot for motor lead.</p> |

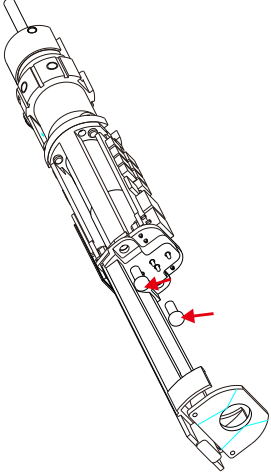
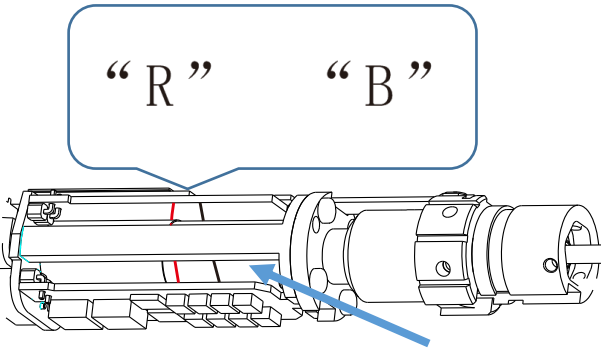
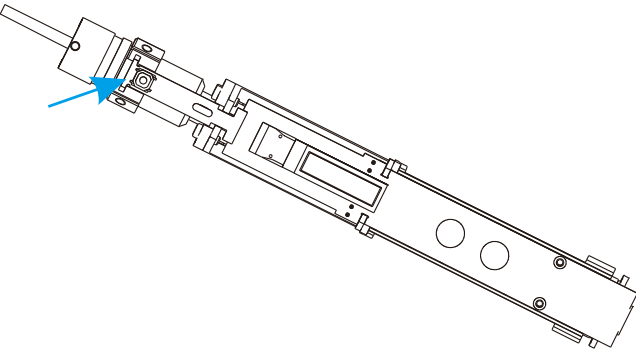
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安 装

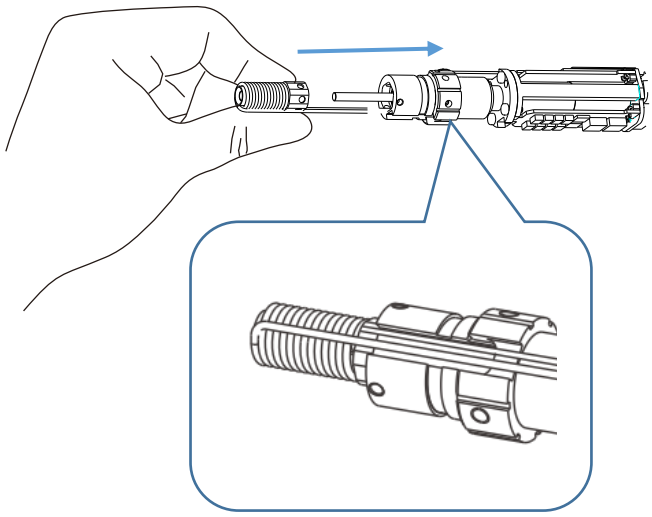
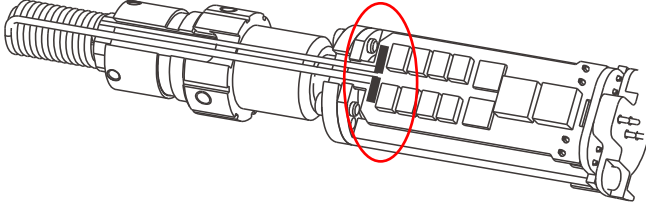
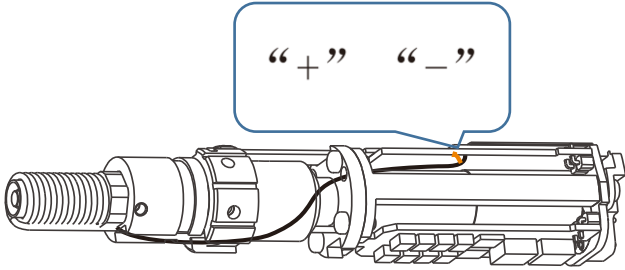
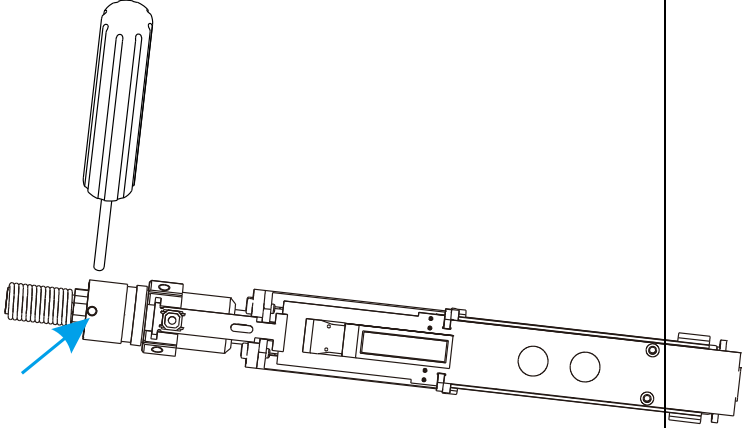
Installation

| 步骤 Step | 示意图 Diagrammatic Sketch | 说明 Note |
|------------|---|---|
| 1 |  | <p>将电机组件和电路板组件按图示位置装配到一起，然后用两颗螺钉连接固定。</p> <p>Assemble the motor assembly and circuit board assembly in the figure, and fix them with two screws.</p> |
| 2 |  | <p>焊接电机引线。将黑色电机引线焊接在主电路板 B 孔，将红色电机引线焊接在主电路 R 孔。然后将引线整理到电机支架内侧。</p> <p>Weld motor leads. Weld black motor lead into the hole marked "B". Weld red motor lead into the hole marked "R". And arrange the motor leads inside the motor holder marked in the figure.</p> |
| 3 |  | <p>撕开图示箭头处电路板背面的双面胶，将按键电路板固定于滑筒的定位槽内。</p> <p>Fix the key circuit board in the positioning slot of the slide tube with double-sided adhesive on the back of circuit board. As shown in the figure.</p> |

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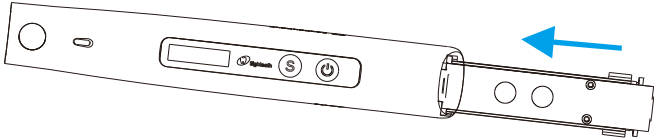
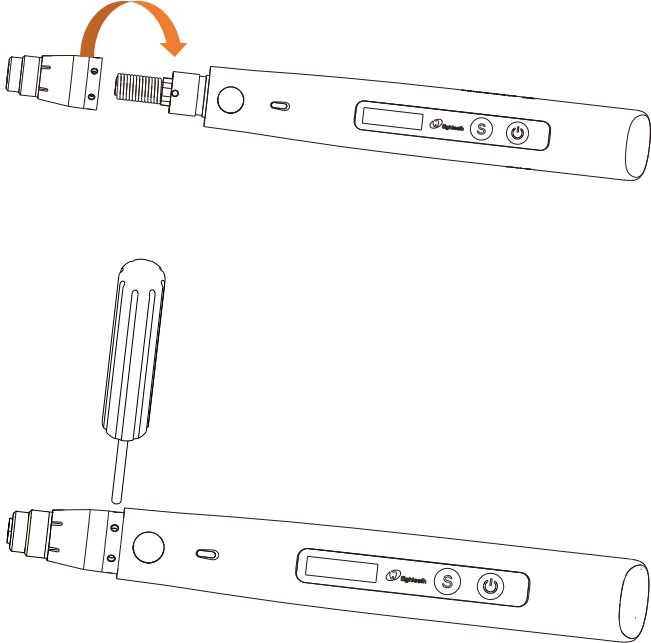
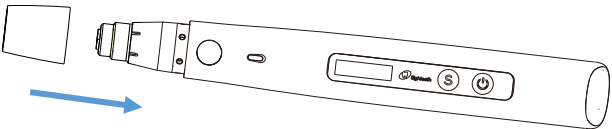
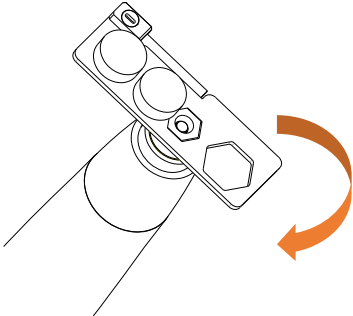
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| | | |
|---|---|--|
| 4 |  | <p>装发热头部组件。将发热头部组件套入陶瓷推杆，引出线与滑筒上开槽方向一致，推压到位后锁紧侧边三个紧定螺钉。</p> <p>Install heating head assembly. The direction of the outlet line is the same as the grooving direction on the slide tube. Push the heating head assembly into the ceramic rod. Screw up three screws on the side of slide tube.</p> |
| 5 |  | <p>焊接发热线圈引线到电路板上。</p> <p>Weld heating lead to circuit board.</p> |
| 6 |  | <p>将采温线穿过电机支架上的小孔，然后焊接与电路板对应位置上。</p> <p>注意：采温线金色线对应电路板上“+”，银色线对应电路板上“-”。</p> <p>Pass the temperature line through the hole in the motor holder, and weld it to circuit board marked position.</p> <p>Note: The golden line through the hole marked “+”. The silver line through the hole marked “-”.</p> |
| 7 |  | <p>锁紧三颗紧定螺钉。</p> <p>Lock three screws.</p> |

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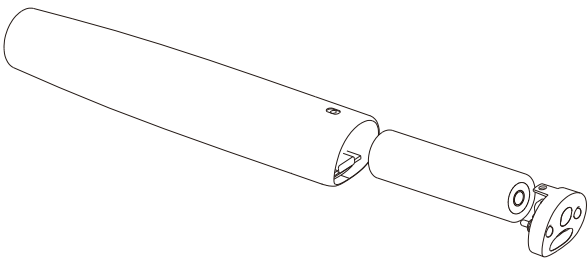
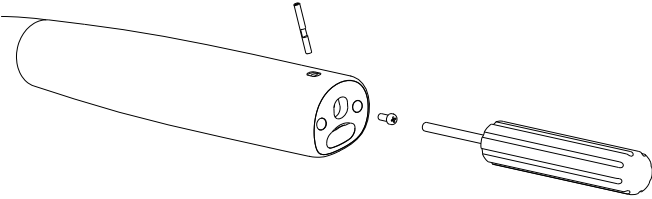
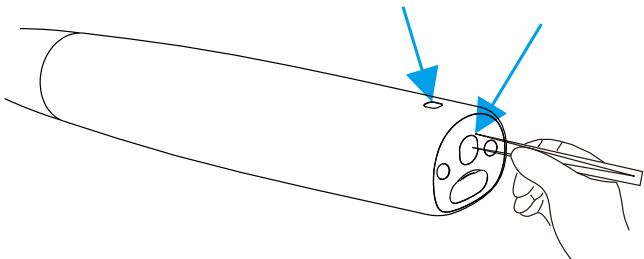
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| | | |
|----|---|---|
| 8 |  | <p>安装充填仪外壳。显示屏方向与外壳窗口方向一致，将机芯组件推入外壳。</p> <p>Install the housing. The direction of the interface is the same as the shell window. Push the motor and PCBA assembly into the housing.</p> |
| 8 |  | <p>安装发热丝套并锁上三颗紧定螺钉。</p> <p>Install the heating wire sleeve and lock three screws.</p> |
| 9 |  | <p>安装装饰套环。</p> <p>Install the ring.</p> |
| 10 |  | <p>安装清洁螺母。用弯针扳手拧紧清洁螺母。</p> <p>Install the cleaning nut. Screw the cleaning nut with the bending tool.</p> |

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| | | |
|----|---|--|
| 11 |  | <p>安装电池和尾盖。先将电池铜片端朝里推入主机手柄，放入黑色海绵，再把尾端电路板放入手柄，最后安装手柄底盖。</p> <p>Install battery and the bottom covering. Push the electrodes of battery inwards into the handpiece. Put black sponge into handpiece. Take the charging circuit board and install the bottom covering.</p> |
| 12 |  | <p>安装底盖销和锁紧螺钉。用手顶住手柄底盖，将手柄底盖销放入侧边安装孔，注意销上开槽方向朝向手柄底部。然后锁紧螺钉。</p> <p>Install the pin and the screw. Support the bottom covering with your finger. Put the pin into the mounting hole. Take the groove direction of pin towards the bottom. Lock the screw.</p> |
| 13 |  | <p>安装插销贴面和加热器螺钉盖。</p> <p>Install the rubber pad on the battery cover and the paster on the cover housing.</p> |

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Fast-Fill 底座维修手册

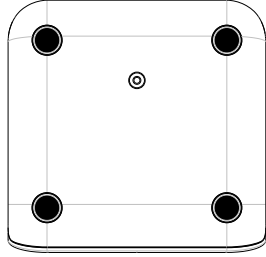
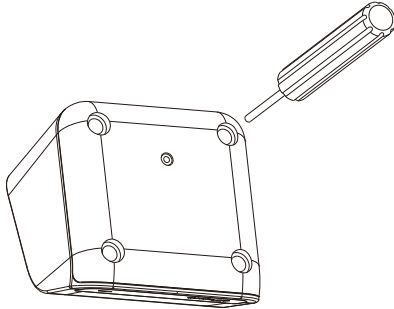
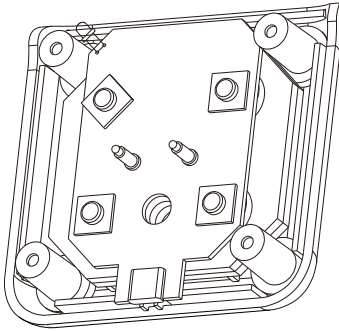
Fast-Fill Charge Basement Maintenance Manual

注意
Warning

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拆卸

Disassembly

| 步骤 Step | 示意图 Sketches | 说明 Note |
|------------|---|--|
| 1. |  | 取下底部四处黑色橡胶垫 Remove the black rubber pads around the bottom. |
| 2 |  | 用十字螺丝刀拆下底部橡胶垫下四处螺丝，拆掉上盖 Remove four screws from the bottom of the base with a cross screwdriver, then remove the top cover. |
| 3 |  | 拆掉电路板上四处螺钉。拆下方形垫片、电路板、圆环形橡胶垫片、配重铁块。 Remove four screws from the circuit board. Remove square spacer, circuit board, circular rubber gasket, Counterweight iron. |

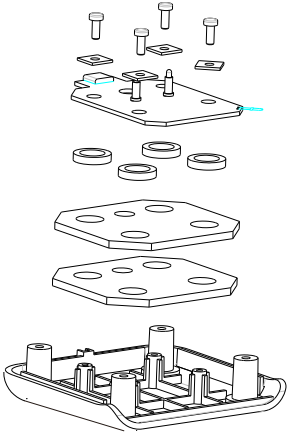
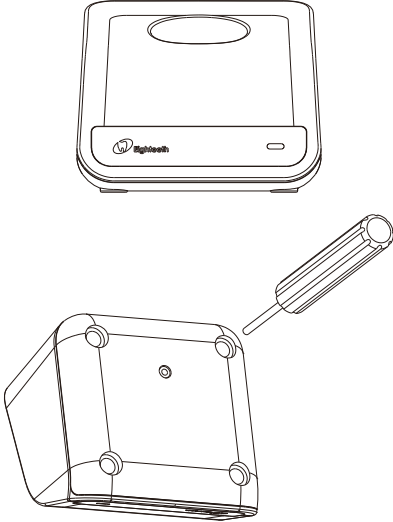
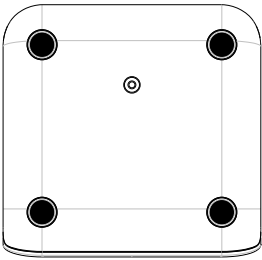
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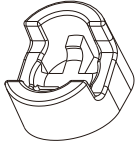


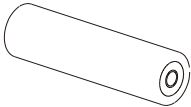

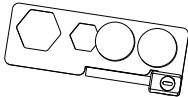
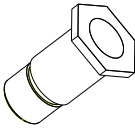
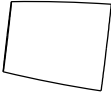

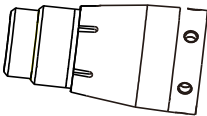
Install

| 步骤 Step | 示意图 Diagrammatic Sketch | 说明 Note |
|------------|---|---|
| 1 |  | <p>依次装上配重铁块，圆环形橡胶垫，电路板。方形垫片，打上螺钉。</p> <p>Install iron sheet, circular rubber pad, circuit board, square washer and screw.</p> |
| 2 |  | <p>盖上上盖。打上底部四处螺钉。</p> <p>Cover the upper covering. Screw the base around.</p> |
| 3 |  | <p>重新粘上底部橡胶垫。</p> <p>Attach the rubber pad at the bottom of the base</p> |

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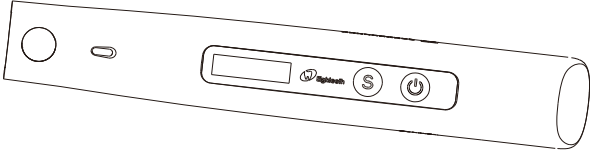
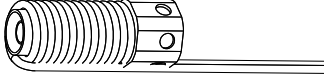
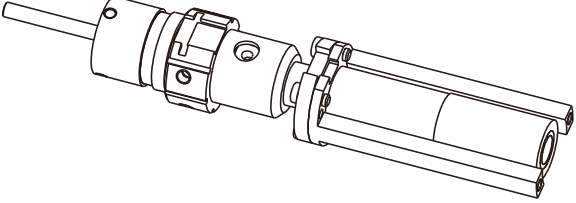
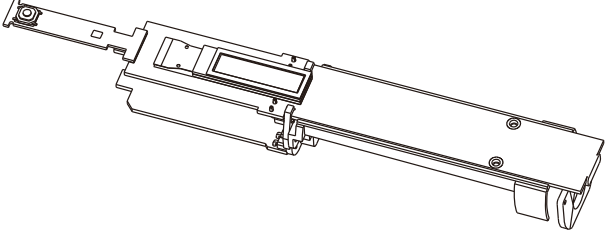

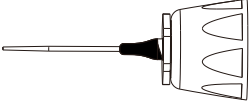
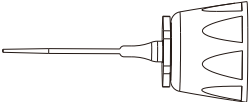
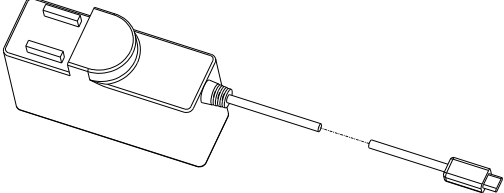
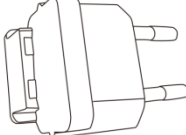

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| 编号 Part number | 名称 Name | 图示 Diagrammatic Sketch |
|-------------------|-----------------------------------|---|
| 6333015 | 插销贴面 Paster |  |
| 6305002 | 加热器螺钉盖 Rubber pad |  |
| 6301215 | 手柄底盖销 Pin |  |
| 6021001 | 十字槽圆头平尾自攻螺钉 ST2.2X6 Screw |  |
| 6314006 | 单端导通电池 18650 (3.7V) Battery |  |
| 6351201 | 加热器手柄底盖组件 Bottom covering |  |
| 6351010 | 弯针扳手 Bending tool |  |
| 6301027 | 清洁螺母 Cleaning nut |  |
| 6303006 | 充填仪装饰套环 Ring |  |
| 6021003 | 内六角平端紧定螺钉 M2.5X2 Screw |  |
| 6301007 | 发热丝套 Heating wire sleeve |  |

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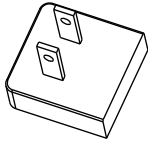


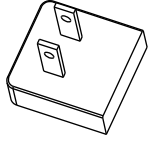
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| | | |
|---------|--|--|
| 6351202 | 充填仪外壳组件 Housing assembly |  |
| 6351018 | 发热头部组件 Heating head assembly |  |
| 6351203 | 电机组件 Motor assembly |  |
| 6351204 | 电路板组件 Circuit board assembly |  |
| 6321011 | 十字槽盘头螺钉 M2.5x6 Screw |  |
| 6351019 | 充填仪牙胶针 25Ga Cartridge (25Ga) |  |
| 6351020 | 充填仪牙胶针 23Ga Cartridge (23Ga) |  |
| 6316001 | 开关电源 TPC Adapter |  |
| 6316005 | 欧标头 TPC Charging converter (European standard) |  |
| 6316008 | 美标头 TPC Charging converter (American standard) |  |

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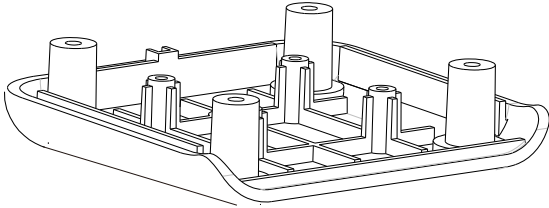
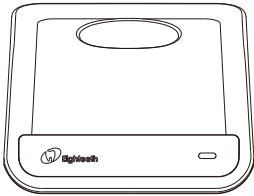
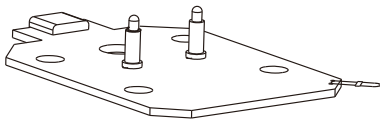


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| | | |
|---------|--|--|
| 6316009 | 国标头 TPC Charging converter (Chinese standard) |  |
| 6316006 | 英标头 TPC Charging converter (UK standard) |  |
| 6316007 | 澳标头 TPC Charging converter (Australian standard) |  |
| 6316011 | 阿标头 TPC Charging converter (Argentine standard) |  |

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| 编号 Part number | 名称 Name | 图示 Diagrammatic Sketch |
|-------------------|---------------------------------|---|
| 6303202 | 单底座下壳 Charge basement bottom |  |
| 6351205 | 底座上壳 Charge basement upper |  |
| 6351206 | 底座电路 Charge basement PCB |  |
| 6021006 | 十字槽圆头平尾自攻螺钉 ST3X8 Screw |  |
| 6033025 | 一体机脚垫 Rubber pad |  |

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