

## INSTALLATION INSTRUCTION

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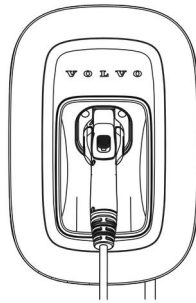




**EN - Charging station**

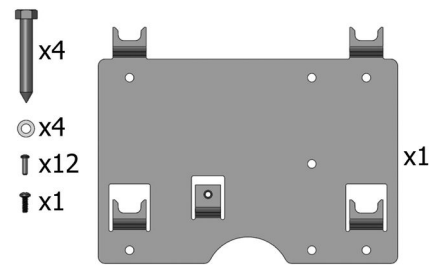
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## Kit contents



The installation kit contains:

- Installation guide
- Charging station
- Mounting kit



The mounting kit contains:

- M6 x 40 mm (1/4" x 1 1/2") wood screws (4 x)
- M6 (1/4") washers (4 x)
- M3.5 x 13 (#6 x 1/2) threaded Torx screws (12 x)
- M5 x 0.8 mm x 10 mm screws with sealing washer
- Wall mounting bracket

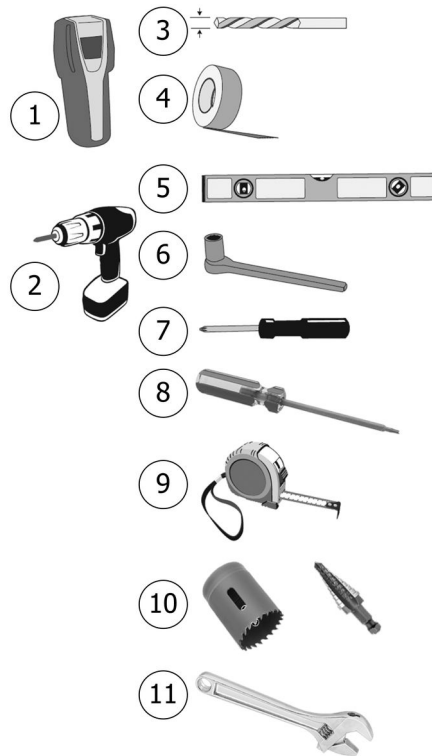
If any of the parts are damaged or missing, contact the Volvo dealer where the charging station was purchased.

Contact your Volvo dealer for a list of spare parts for the charging station.

## Tools

### Tools required for installation (not supplied):

- 1 Electronic stud sensor
- 2 Drill
- 3 5.5 mm (7/32") drill bit
- 4 Masking tape
- 5 Spirit level
- 6 10mm (7/16") socket wrench
- 7 # 2 Philips screwdriver
- 8 T10 Torx screwdriver
- 9 Tape measure
- 10 Hole saw (with pilot bit), or step bit
- 11 Adjustable wrench



## Preparations

 Caution!

The charging station must be installed by an authorised electrician. The installation must follow the regulatory authorities' regulations and local regulations for electrical installations.

 Note!

Hand this mounting instruction to the owner of the charging station for future reference.

- Switch off the central electrical unit's main switch before starting the installation of the charging station.
- The installation must be performed by an authorised electrician. The installation must follow local regulations for electrical installations in the country where the installation is being carried out.
- The charging station should be mounted as close to the circuit breaker as possible.
- The area around the installation location should be free from waste and debris.
- Do not install the charging station near to a heat source (oven, water heater etc.).

Maximum current in the charging station	Overtoltage protection (circuit breaker)
16 A	20 A

Before installation, check mains power requirements and disconnect the current.

Prepare the mounting location for the charging station.

- Mount the charging station against a smooth and stable part of the wall.
- Keep these mounting instructions for future reference.

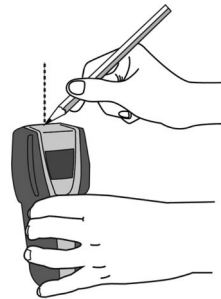
 Note!

Ensure that the circuit breaker and cross-section area of the cables correspond to local regulations. Cables with larger cross section area (lower AWG) may be necessary in some regions.

Before installation, collect together all the necessary parts and tools.

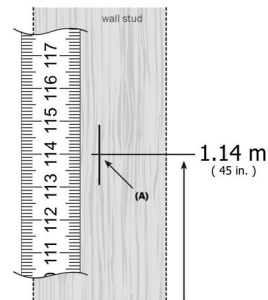


### Step 1



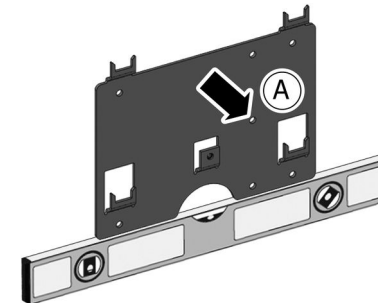
- Use the stud sensor to find the wall stud.
  - Mark the centre of the stud.
- For installation on concrete wall/masonry wall, skip to step 2

### Step 2



- Measure and mark a point on the wall 1.14 m (45") from the floor.

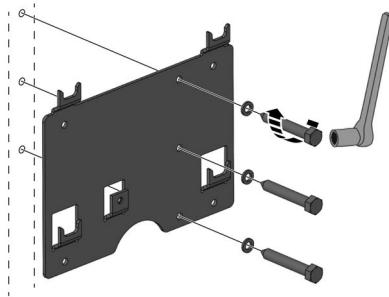
### Step 3



- Use the spirit level to ensure the wall bracket is mounted horizontally.
- When mounting to a stud, mark the three vertical holes with the middle hole (A). Use 5.5 mm (7/32") drill bit to drill three holes along the stud's centre line.
- For wall mounting, mark the four holes in the corners of the bracket. Use a suitable drill bit to drill the four holes.

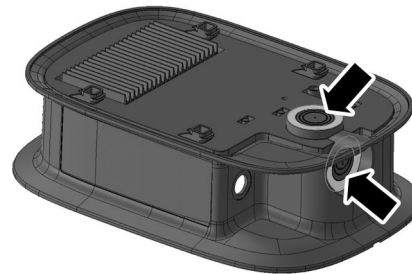
## Installation

### Step 4



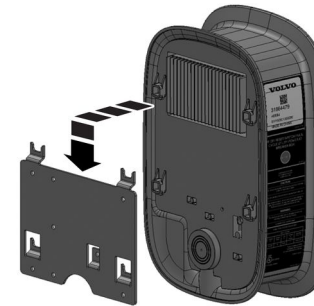
- For mounting against a stud, use a socket wrench to tighten the screws and washers.
- When mounting on a concrete wall or similar, use suitable fasteners to mount the bracket.

### Step 5



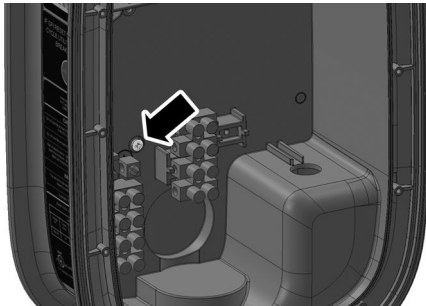
- Unpack the charging station's casing. Determine the location of the mains power connection, bottom or reverse side, see illustration.
- Use the hole saw or step drill to drill a hole suitable for the power supply cable. Follow the recessed grooves on the casing.

### Step 6



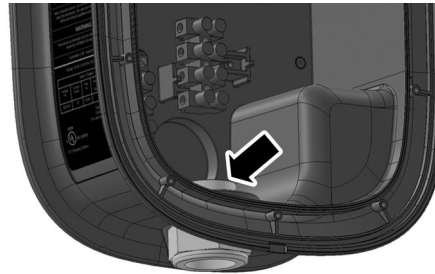
- Place the charger's attachment brackets above the hooks on the wall mounting bracket.
- Slide the charger down onto the bracket to lock it in place.

### Step 7



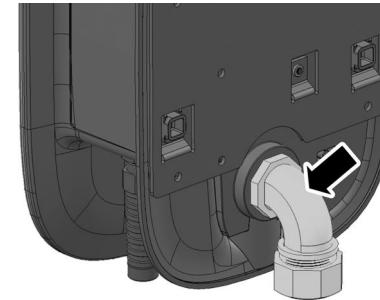
- Insert and tighten the sealing screw to secure the casing against the wall mounting bracket.

### Step 8



- For mains power connection at the bottom of the casing, install the cable connection and tighten the lock nut on the inside of the casing.

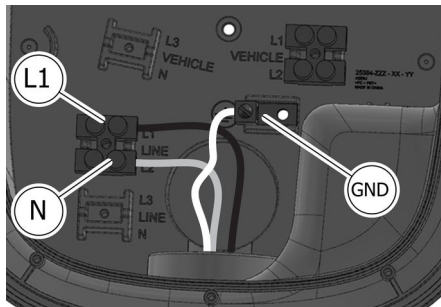
### Step 9



- For mains power connection on the reverse side of the casing, install the 90 degree cable connection and tighten the lock nut on the inside of the casing.

## Installation

## Step 10

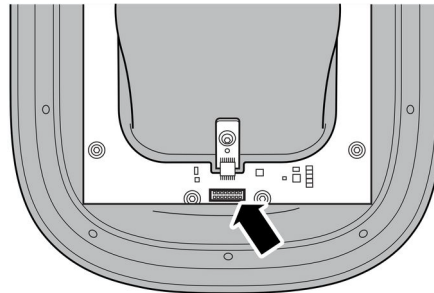


- Connect all mains power and ground cables to the terminal block and ground terminal on the inside of the casing.

## Power configurations

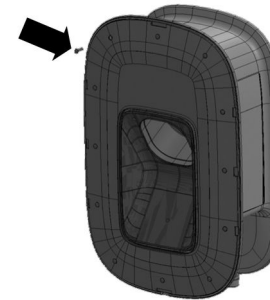
Mains power	L1 to GND	N to GND	L1 to N
Phase-ground 220 V	220 V	0 V	220 V

## Step 11



- Hold up the front electronic protection whilst connecting the light ring cable in the circuit board.

## Step 12



- Insert and secure the protection in the casing using the twelve Torx screws.

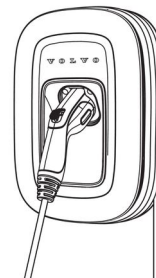
### Step 13



- Carefully click the front cover onto the casing.
- Ensure that all catches engage.

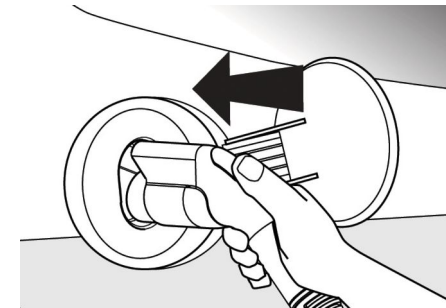
It is possible to remove the front cover without damaging the catches.

### Step 14



- Wrap the charging cable around the charging module and connect the charging handle in the docking port.
- Switch on the current to the charging station. The charger's start-up sequence starts.

### Step 15



During start-up, the charging station runs a self-test to ensure correct operation. The light ring flashes red briefly to confirm that the self-test has been performed and the charging station is ready for use. The white status indicator lights and remains lit to indicate that the charging station is receiving current and is ready for use.

- Insert the charging handle into the car's charging socket until it clicks.

When the charging handle is locked in, it will not loosen until the release button has been depressed.

Charging starts automatically.

## Installation

### Note!

If charging with the charging station does not work, try charging with the charging cable supplied with the vehicle.

## Troubleshooting

### Problem

The white LED lamp by the charging handle does not light

Possible cause	Solution
No current supply to the unit	Check the circuit breaker.
Internal charger fault	Contact your local Volvo dealer for assistance.

### Problem

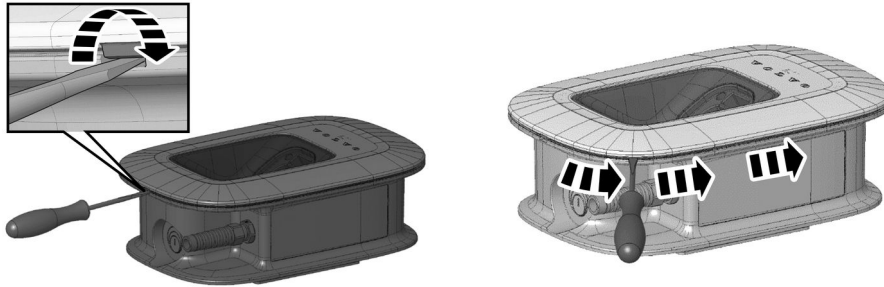
The light ring flashes rapidly with a red light

Possible cause	Solution
Mains power fault	<ul style="list-style-type: none"> <li>– Reset the charger via the circuit breaker in the central electrical cabinet.</li> <li>– If the problem persists, contact an authorised electrician to inspect the wall socket's grounding.</li> <li>– Perform repairs if required.</li> </ul>

For more detailed troubleshooting information, see the owner's manual.

**Appendix**

**Removing the front cover**



- Install a flat head screwdriver between the front cover and casing. Turn the screwdriver to unclick the front cover, see illustration.

- Pull the screwdriver around the entire circumference of the front cover so that all catches release. Hold onto the front cover so that it does not fall to the ground.

**Abbreviations**

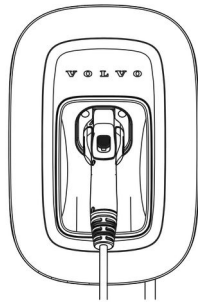
A	Amperes
AWG	American wire gauge
GB/T	Guobiao/T Recommended standards of the Chinese National Committee of the ISO and IEC.
GND	Ground
V	Volts



ZH - 充电站

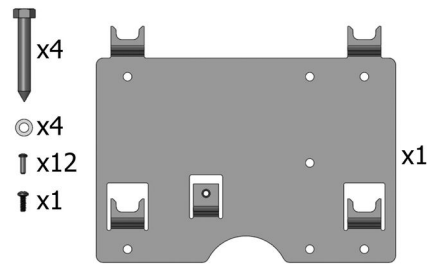
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工具 .....	17
准备 .....	18
安装 .....	19
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套件所含物品



安装套件包含：

- 安装指南
- 充电站
- 安装套件



安装套件包含：

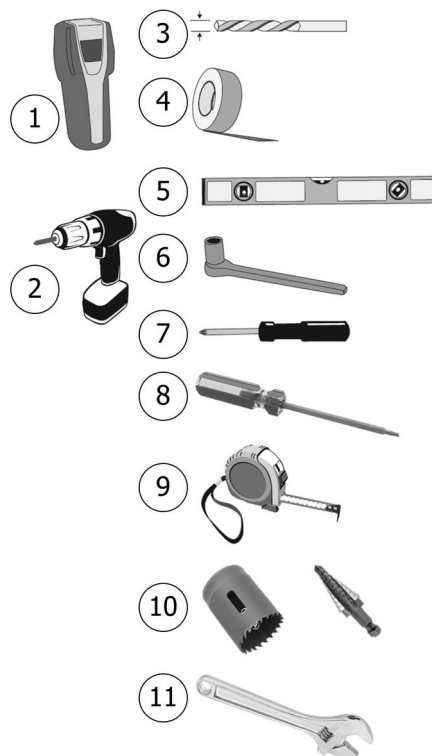
- M6 x 40 mm (1/4" x 1 1/2") 木螺钉 (4 x)
- M6 (1/4") 垫圈 (4 x)
- M3.5 x 13 (#6 x 1/2) 螺纹梅花头螺钉 (12 x)
- M5 x 0.8 mm x 10 mm 螺钉以及密封垫圈
- 壁装支架

如果有任何部件损坏或丢失，请与出售充电站的沃尔沃经销商联系。

请联系您的沃尔沃经销商了解充电站的备件列表。

安装所需工具 (未提供) :

- 1 电子立柱传感器
- 2 钻机
- 3 5.5 mm (7/32") 钻头
- 4 遮蔽胶带
- 5 水平仪
- 6 10 mm (7/16") 套筒扳手
- 7 # 2 十字螺丝刀
- 8 T10 梅花螺丝刀
- 9 卷尺
- 10 孔锯 (带导向钻头) ,  
或阶梯钻头
- 11 可调扳手



## 准备

**⚠ 小心！**

充电站必须由获得授权的电工执行安装。安装必须遵守监管机构和当地实施的有关电气安装的法规。

**ⓘ 注意！**

向充电站所有者交付此安装说明，以备将来参考。

- 开始安装充电站前，关闭中央电气单元的主开关。
- 必须由获得授权的电工执行安装。安装必须符合安装所在国家有关电气安装的当地法规。

充电站最大电流	过电压保护（断路器）
16 A	20 A

安装之前，检查主电源要求并断开电流。  
准备充电站的安装位置。

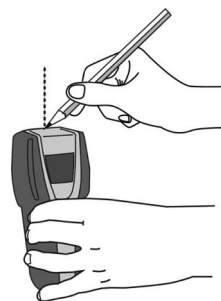
- 充电站应安装在尽可能靠近断路器的位置。
- 安装位置周围区域应无任何废物和垃圾。
- 不得将充电站安装在热源（烤箱、热水器等）附近。
- 将充电站紧靠墙壁平滑稳固区域安装。
- 请妥善保管这些安装说明，以备日后参考。

**ⓘ 注意！**

确保断路器和电缆横截面积符合当地法规。  
某些地区可能需要横截面积大（AWG 低）的电缆。

安装之前，准备好所有必需的零件和工具。

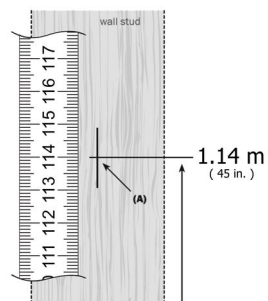
### 步骤1



- 使用立柱传感器找到墙体立柱。
- 标记立柱的中心。

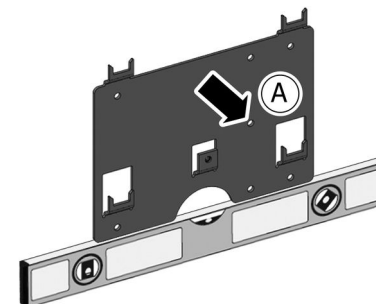
要安装在混凝土墙/砖石墙上，请跳至步骤2

### 步骤2



- 在墙壁上测量并标记一个距离底板1.14 m (45") 的点。

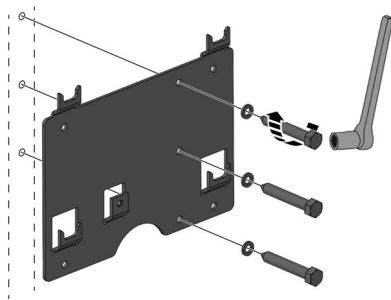
### 步骤3



- 使用水平仪确保墙壁支架水平安装。
- 当安装到立柱上时，用三个中间孔 (A) 标记三个垂直孔。使用5.5 mm (7/32") 钻头沿立柱中心线钻三个孔。
- 要安装在墙壁上，标记支架角落的四个孔。使用合适的钻头钻四个孔。

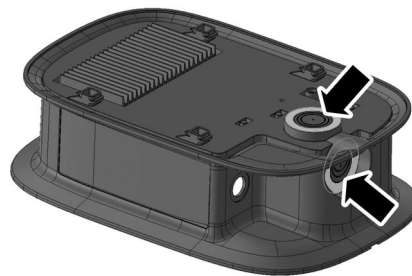
安装

步骤4



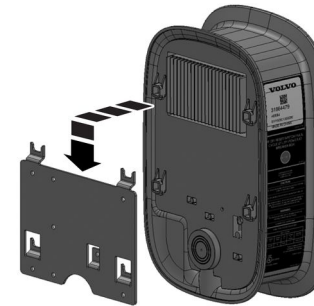
- 要紧靠立柱安装，使用套筒扳手拧紧螺钉和垫圈。
- 安装在混凝土墙上或类似位置时，使用适当的紧固件安装支架。

步骤5



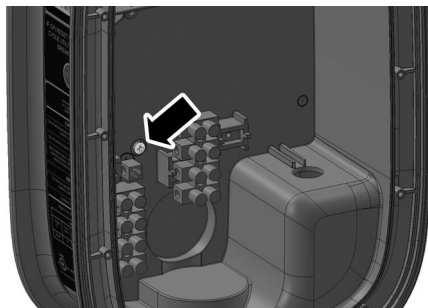
- 打开包装取出充电站的箱体。确定主电源接头的位置：底部或背面，见插图。
- 使用孔锯或阶梯钻钻出适合电源线的孔。沿着箱体上的凹槽操作。

步骤6



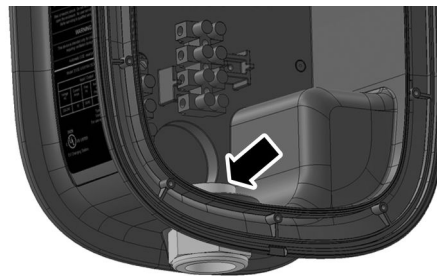
- 将充电器的连接支架置于壁装支架上的挂钩上方。
- 将充电器向下滑动到支架上，将其锁定到位。

步骤7



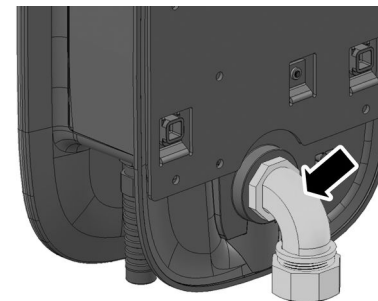
- 插入并拧紧密封螺钉，将箱体固定在壁装支架上。

步骤8



- 对于箱体底部的主电源连接，安装电缆连接并拧紧箱体内部的锁紧螺母。

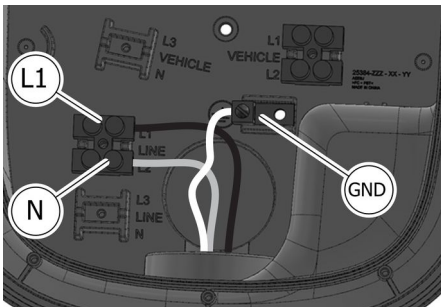
步骤9



- 对于箱体背面的主电源连接，安装90度电缆连接并拧紧箱体内部的锁紧螺母。

## 安装

## 步骤10

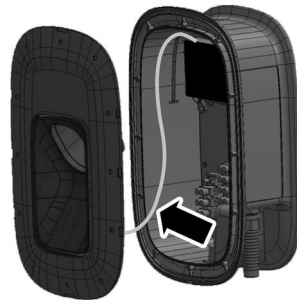
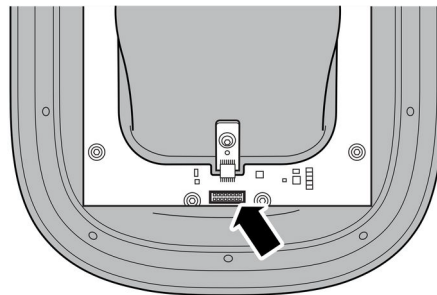


- 将所有主电源和接地电缆连接至箱体内部的接线盒和接地端子上。

## 电源配置

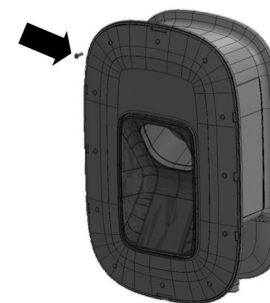
主电源	L1 至 GND	N 至 GND	L1 至 N
相位接地 220V	220 V	0 V	220 V

## 步骤11



- 在电路板上连接光环电缆时，请固定前部电子保护装置。

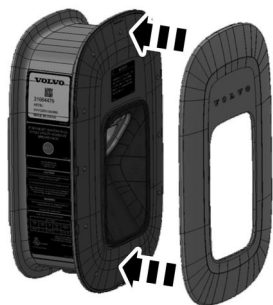
## 步骤12



- 使用12个梅花头螺钉将保护装置插入箱体并固定。

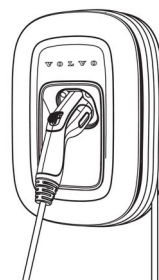


### 步骤13



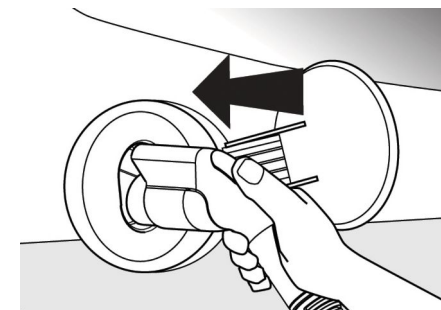
- 小心将前盖卡在箱体上。
  - 确保所有卡扣接合。
- 可以取下前盖而不损坏卡扣。

### 步骤14



- 将充电电缆缠绕在充电模块周围，并将充电手柄连接至对接端口。
- 接通供至充电站的电流。充电器开始执行启动序列。

### 步骤15



在启动过程中，充电站进行自检，以确保正确运行。光环短暂闪烁红光，以确认自检已执行并且充电站已准备就绪。白色状态指示灯亮起并保持亮起，指示充电站正在接收电流并且随时可用。

- 将充电手柄插接至车辆的充电插座，直到听到咔哒声。

充电手柄在锁定入位后不会自行松动，直至按下释放按钮。

充电自动开始。

#### **i** 注意！

如果充电站无法充电，请尝试使用车辆随附的充电电缆进行充电。

## 故障排除

## 问题

充电手柄附近的白色LED指示灯不亮

## 可能原因

该装置无电流供应

内部充电器故障

## 解决方法

检查断路器。

请联系您当地的沃尔沃经销商寻求帮助。

## 问题

光环呈红色迅速闪烁

## 可能原因

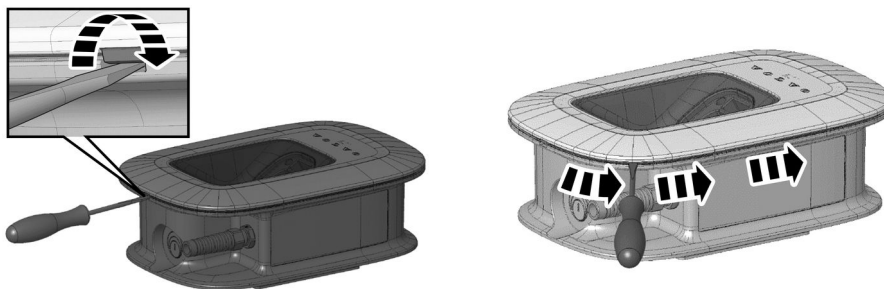
主电源故障

## 解决方法

- 通过中央电气柜中的断路器重置充电器。
- 如果问题仍然存在，请联系授权电工检查墙壁插座的接地。
- 如果需要，执行维修。

更详细的故障排除信息，请参阅车主手册。

拆下前盖



— 在前盖和箱体之间安装平头螺丝刀。转动螺丝刀，松开前盖，见插图。

— 沿着前盖的整个圆周拉动螺丝刀，使所有卡扣松开。握住前盖，使其不会掉到地上。

缩写

A	安培
AWG	美国线规
GB/T	国标/T 中国国家ISO和IEC委员会推荐的标准。
GND	接地
V	伏特





