



Single or Dual-Sided Pedestal

Networked Charging Station

Installation Guide



IMPORTANT SAFETY INSTRUCTIONS

SAVE THESE INSTRUCTIONS

WARNING:



1. **Read and follow all warnings and instructions before servicing, installing, or operating the ChargePoint® charging station.** Install and operate only as instructed. Failure to do so may lead to death, injury, or property damage, and will void the Limited Warranty.
2. **Only use licensed professionals certified by ChargePoint for installation and service, adhere to all national and local building codes and standards, and ensure compliance** with local building and electrical codes and standards, climate conditions, safety standards, and all applicable codes and ordinances. Inspect the charging station for proper installation before use.
3. **Always ground the ChargePoint charging station.** Failure to ground the charging station can lead to risk of electrocution or fire. The charging station must be connected to a grounded, metal, permanent wiring system, or an equipment grounding conductor shall be run with circuit conductors and connected to the equipment grounding terminal or lead on the Electric Vehicle Supply Equipment (EVSE). Connections to the EVSE shall comply with all applicable codes and ordinances.
4. **Install the ChargePoint charging station on a concrete pad using a ChargePoint-approved method.** Failure to install on a surface that can support the full weight of the charging station can result in death, personal injury, or property damage. Inspect the charging station for proper installation before use.
5. **This charging station is not suitable for use in Class 1 hazardous locations, such as near flammable, explosive, or combustible vapors or gases.**
6. **Supervise children near this device.**
7. **Do not put fingers into the electric vehicle connector.**
8. **Do not use this product if any cable is frayed, has broken insulation, or shows any other signs of damage.**
9. **Do not use this product if the enclosure or the electric vehicle connector is broken, cracked, open, or shows any other signs of damage.**
10. **Use only copper conductor wire rated for 90 °C (194 °F).**



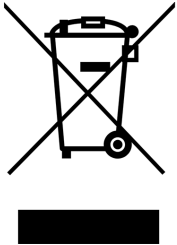
IMPORTANT: Under no circumstances will compliance with the information in a ChargePoint guide such as this one relieve the user of the responsibility to comply with all applicable codes and safety standards. This document describes approved procedures. If it is not possible to perform the procedures as indicated, contact ChargePoint. **ChargePoint is not responsible for any damages that may result from custom installations or procedures not described in this document or that fail to adhere to ChargePoint recommendations.**

Product Disposal

Do not dispose of as part of unsorted domestic waste. Inquire with local authorities regarding proper disposal. Product materials are recyclable as marked.

Document Accuracy

The specifications and other information in this document were verified to be accurate and complete at the time of its publication. However, due to ongoing product improvement, this information is subject to change at any time without prior notice. For the latest information, see our documentation online at chargepoint.com/guides.



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Symbols

This guide and product use the following symbols:



DANGER: Risk of electric shock



WARNING: Risk of personal harm or death



CAUTION: Risk of equipment or property damage



IMPORTANT: Crucial step for installation success



Read the manual for instructions



Ground/protective earth

Illustrations Used in This Document

The illustrations used in this document are for demonstration purposes only and may not be an exact representation of the product. However, unless otherwise specified, the underlying instructions are accurate for the product.

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Introduction 1

Follow the instructions in this guide to install a Single or Dual-Sided Pedestal.

IMPORTANT: You must be a licensed electrician and complete online training to become a ChargePoint certified installer. If you do not complete training, you cannot access the ChargePoint network to complete installation.



Find online training at: chargepoint.com/installers

If the charging station is not installed by a ChargePoint certified installer, using a ChargePoint approved method, it is not covered under warranty and ChargePoint is not responsible for any malfunctions.

Tools and Materials Needed

- T25 Torx screwdriver
- 6 mm hex driver
- Flat blade screwdriver
- Wire cutter
- Wire stripper
- Ground wire (maximum 8 AWG)
- Additional tools needed if installing mounting bolts - See [Tools Needed](#) on page [4](#).



IMPORTANT: Ensure the installation complies with all applicable codes and ordinances.

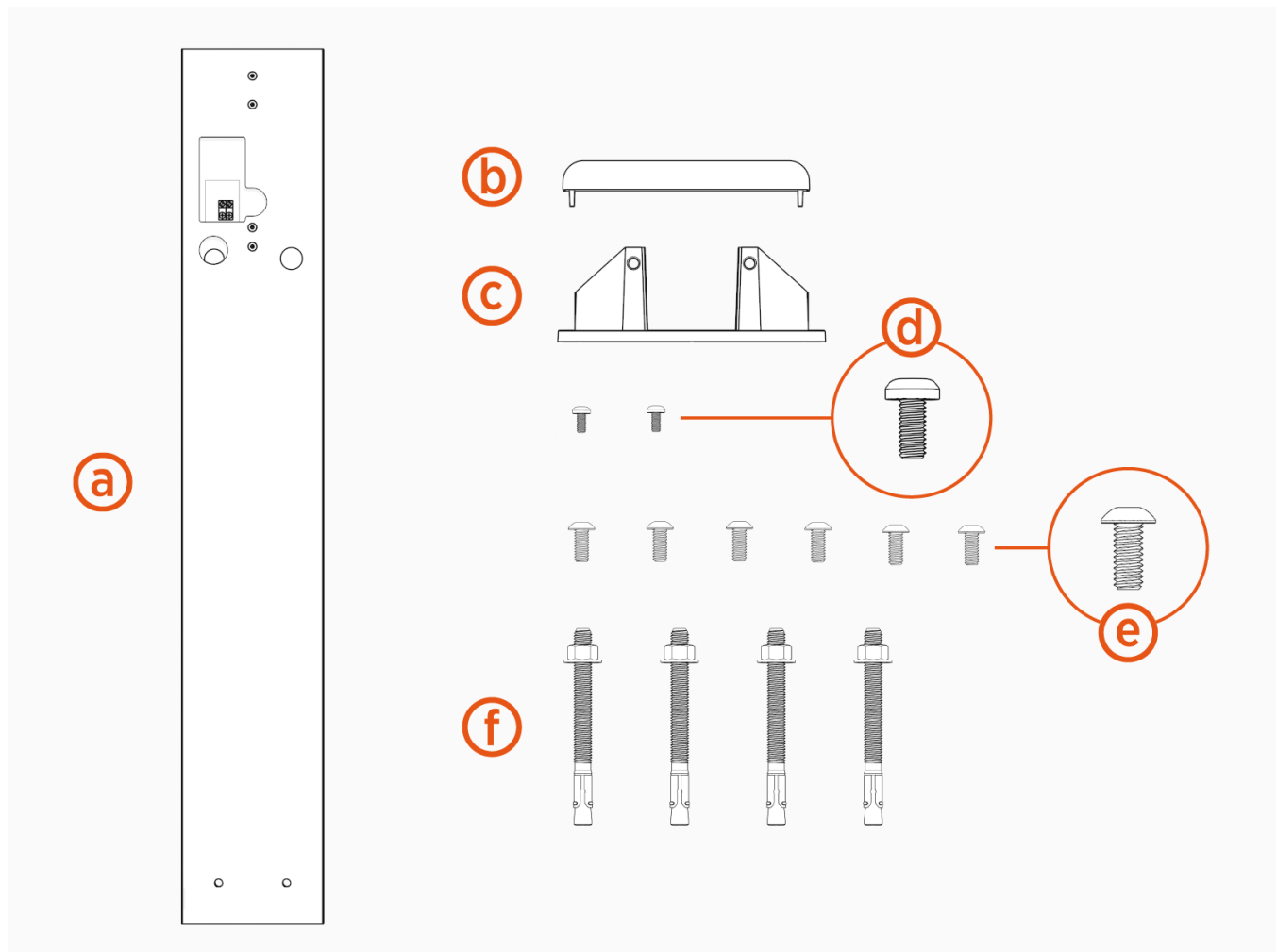
Overview of the Installation Process

1. Check the contents of the shipping box.
2. Install bolts (only if the location does not already have bolts).
3. Mount the pedestal.
4. Ground the station and route the wiring.

Check the Contents of the Box

The pedestal box contains the following:

- a. Pedestal
- b. Top cover
- c. Pedestal base
- d. M4 x 0.5 x 8 mm T25 screws (x 2)
- e. M10 x 1.5 x 15 mm hex socket head cap screws (x 6)
- f. Expansion anchor bolts M16 x 2.0 x 140 mm (x 4)



Install the Pedestal 2

Confirm that the location preparation is suitable. You should see the following:

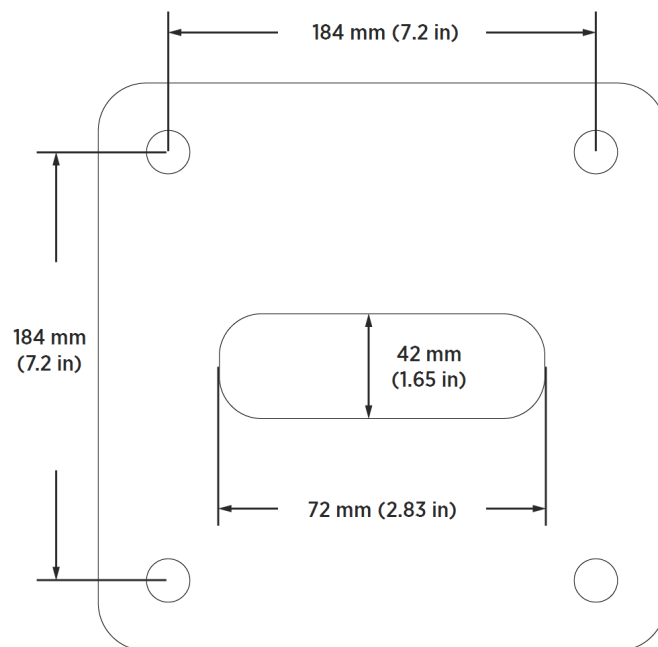
- Four bolts protruding from the concrete.

If the location has concrete but does not have bolts, go to [Install Pedestal Bolts](#) on page 4.

If the location does not have concrete, you need to pour concrete. Contact ChargePoint Support to purchase a Concrete Mounting Kit.

- The bolt position must be consistent with the bolt pattern template provided below.

Note: Images are not to scale. Measurements appear in metric units (mm), followed by imperial equivalents (inches).



- Conduit stub-up measuring approximately 0.3 m (1 ft) above the concrete surface.
- Approximately 1.5 m (5 ft) of service wiring extending above the concrete surface.



IMPORTANT: The concrete must be level.

Install Pedestal Bolts

Read this section only if you need to install bolts to support the pedestal in existing concrete.

If the pedestal location has bolts, go to [Mount the Pedestal](#) on page 6.

Note: If the location does not have concrete, you need to pour concrete. Contact ChargePoint Support to purchase a Concrete Mounting Kit.



IMPORTANT: Always check local codes to ensure compliance. You may need to adjust these instructions to comply with codes that apply at your installation location.

To safely mount a ChargePoint charging station, the concrete must be at least 150 mm (6 in) thick. At this thickness, all of the mounting bolts must be positioned as follows:

- At least 380 mm (15 in) from the front edge
- At least 300 mm (12 in) from the side edges
- At least 150 mm (6 in) from the rear edge of the concrete slab



IMPORTANT: If the existing pad does not meet the specifications above, a structural engineer must inspect and approve the pad for charging station dimensions and weight.

Tools Needed

Electric hammer drill with 12 mm (1/2 in) or larger chuck.

The following table lists and describes the tools that you will need.

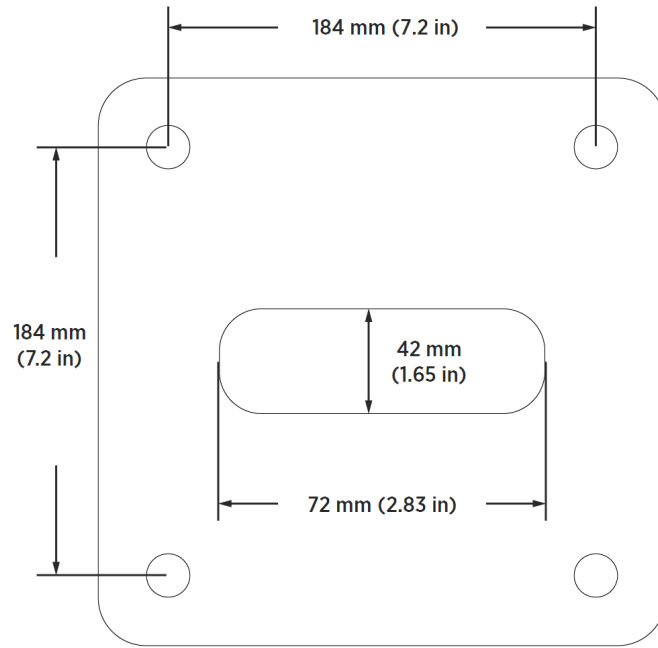
Quantity	Description	Purpose
1	Aerosol, any angle spray duster, 235 ml (8 oz)	Clean drilled holes. Note: Compressed air or vacuum will work.
1	Slow spiral round-shank masonry drill bit <ul style="list-style-type: none">• 16 mm (.63 in) diameter	Drill 16 mm (.63 in) holes in concrete. Note: The holes must be at least 100 mm (4 in) deep.
1	Drill bit for concrete embedded rebar, round (if required) <ul style="list-style-type: none">• 16 mm (.63 in) bit size	Drill 16 mm (.63 in) hole through rebar.

Tools Needed

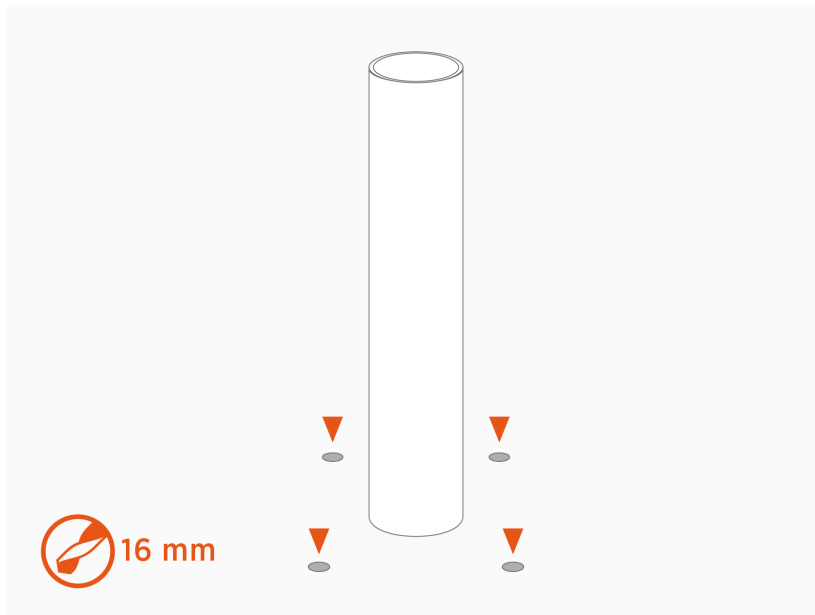
Installation Instructions

1. Review the bolt hole pattern and mark the hole locations.

Note: Images are not to scale. Measurements appear in metric units (mm), followed by imperial equivalents (inches).



2. Ensure the conduit stub-up is in the center of the hole locations.



3. Drill four 16 mm (.625 in) diameter holes 100 mm (4 in) deep into the concrete.



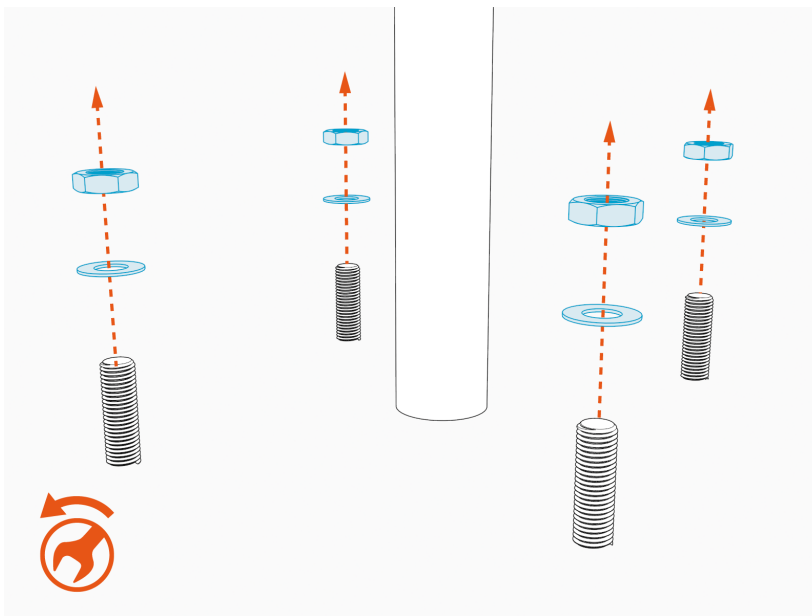
IMPORTANT: Ensure the depth and diameter of each hole is correct.

4. Remove all dust from inside the drilled holes using compressed air, a vacuum, or a brush.
5. Insert the bolts into the holes.
6. Use a hammer to tap the bolts until they protrude at least 30 mm (1-1/4 in) above the surface.
Each bolt must extend at least 30 mm (1-1/4 in) above the surface.

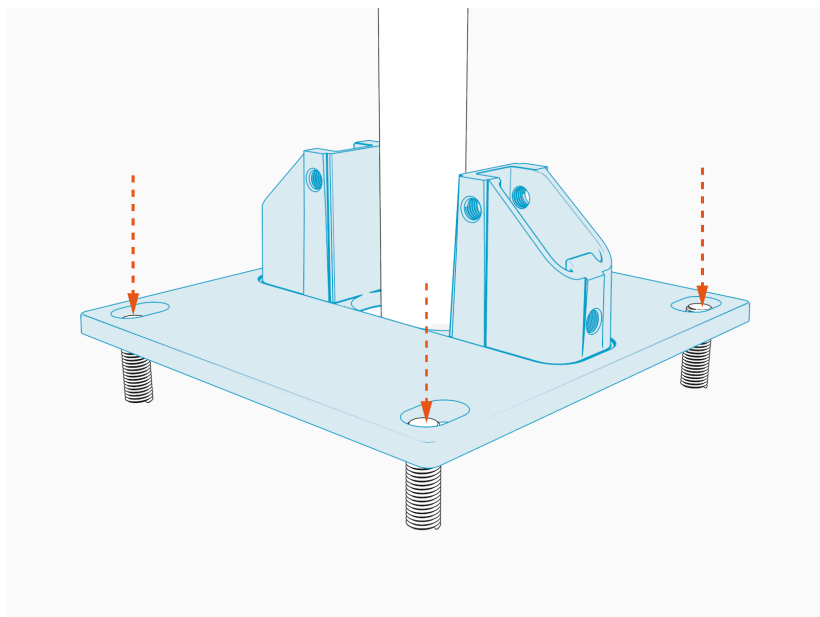
You are now ready to install the pedestal. Continue to [Mount the Pedestal](#).

Mount the Pedestal

1. If present, remove the top nut and top washer from each of the four bolts in the pad.

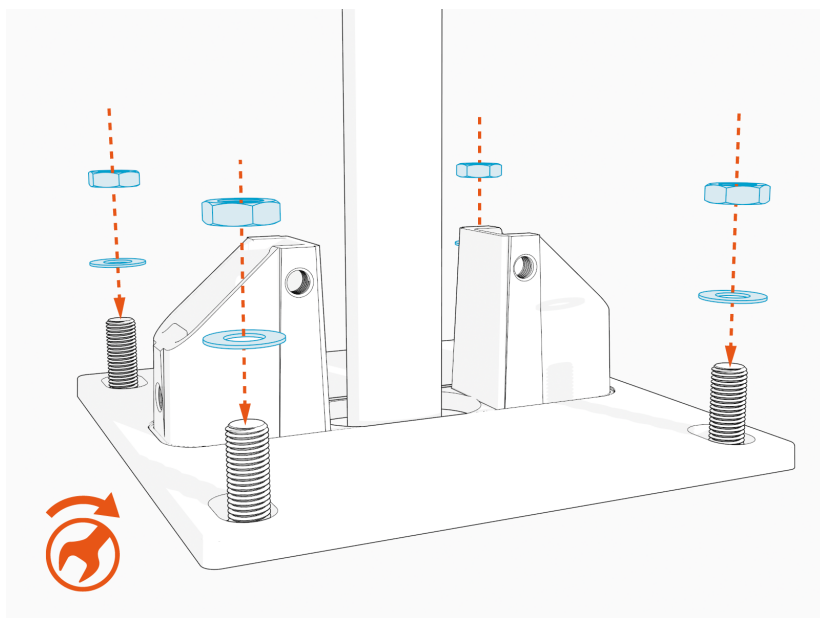


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2. Place the pedestal base over the conduit and bolts.

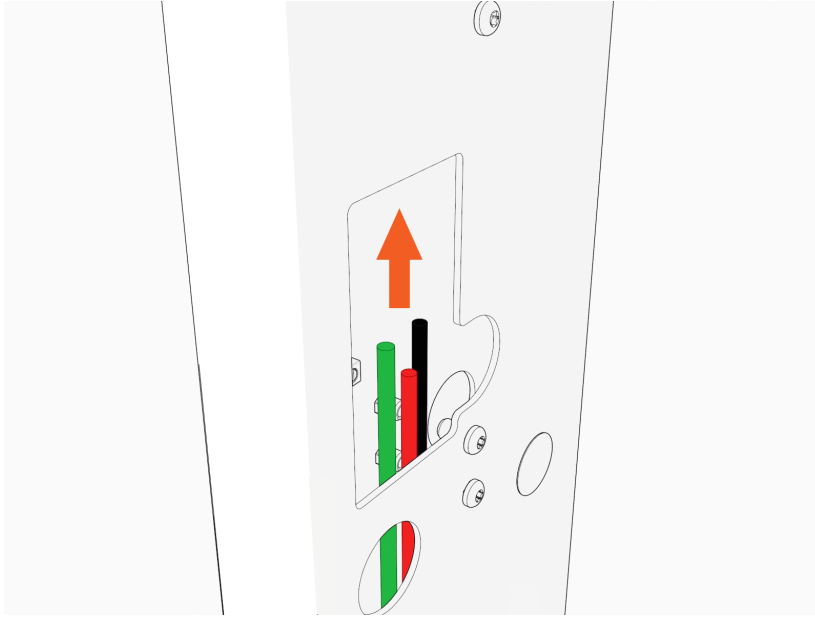


3. Secure the base to the bolts using the washers and nuts.

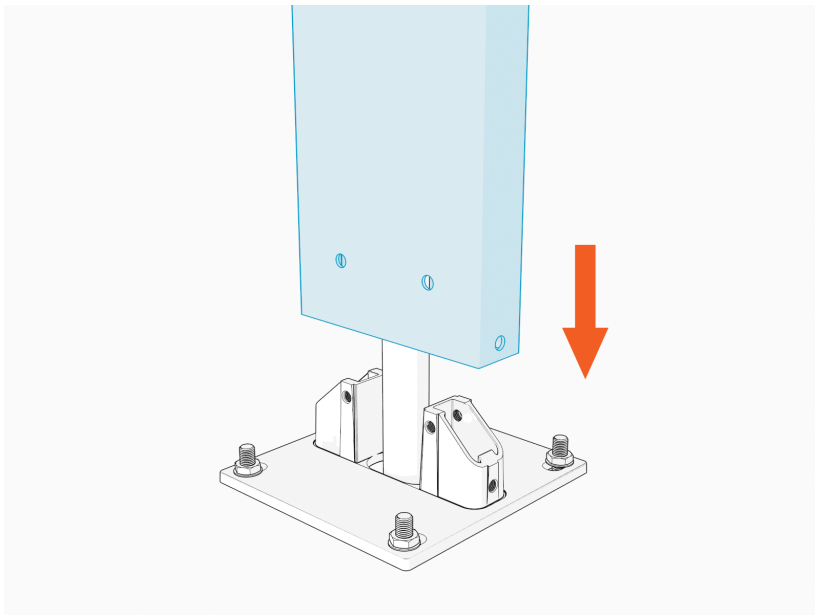
Torque the top nuts to 100 Nm (73.8 ft-lbs).



4. Pull the ground and service wires through the pedestal as it slides onto the base.

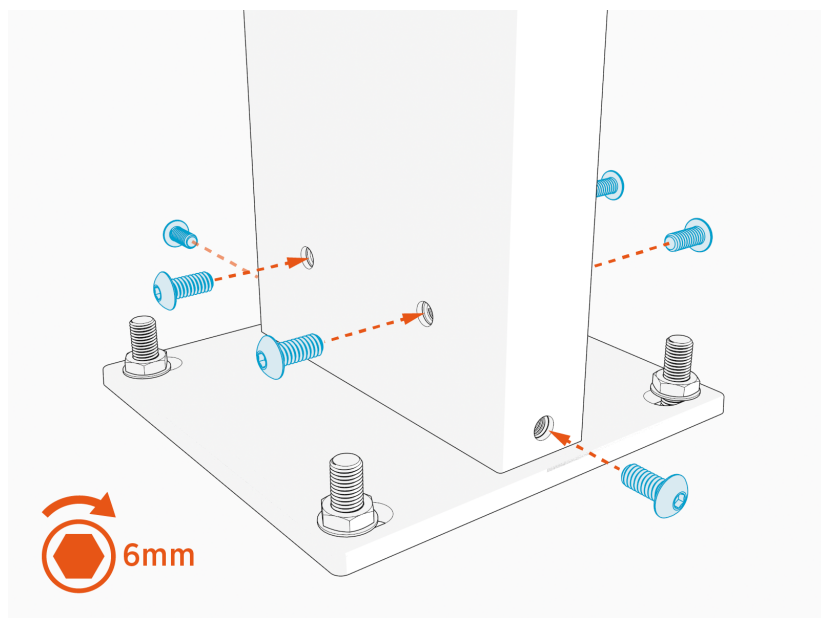


5. Slide the pedestal onto the base.



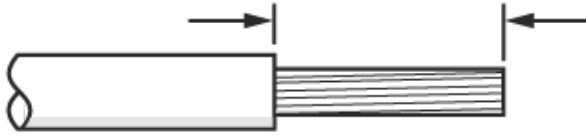
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6. Use a 6 mm hex driver and six screws (provided) to secure the pedestal to the base.

Torque the screws to 20 Nm (14.8 ft-lbs).



Ground the Station and Route the Wiring

1. Strip the ground and service wires 13 mm (.5 in).



IMPORTANT: Cut wires straight across at 90° and not at an angle.



2. Insert the ground wire (from conduit) into the grounding block in the pedestal.
Tighten the screw on the grounding block to **2.8 Nm (25 in-lb)**.



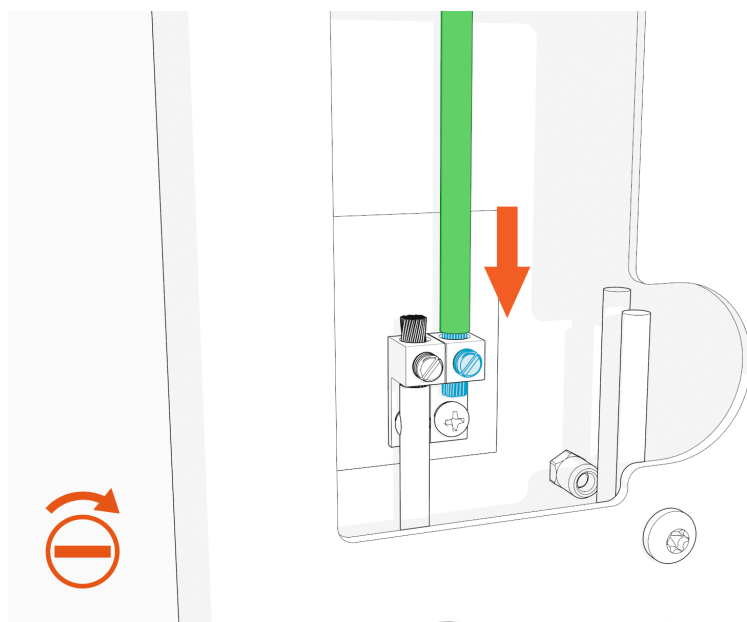
3. If you are installing two charging stations on a single pedestal, go to [Complete Preparation for Two Charging Stations](#) on page [12](#).

Complete Preparation for a Single Charging Station

Complete the following steps for a single charging station:

1. Ensure there is enough wire (installer provided) to reach from the grounding block to the charging station.
2. Insert this ground wire into the charging station terminal block.

Tighten the screw on the grounding block to **2.8 Nm (25 in-lb)**.



3. Route the ground and service wires for the first station through the hole in the front of the pedestal.

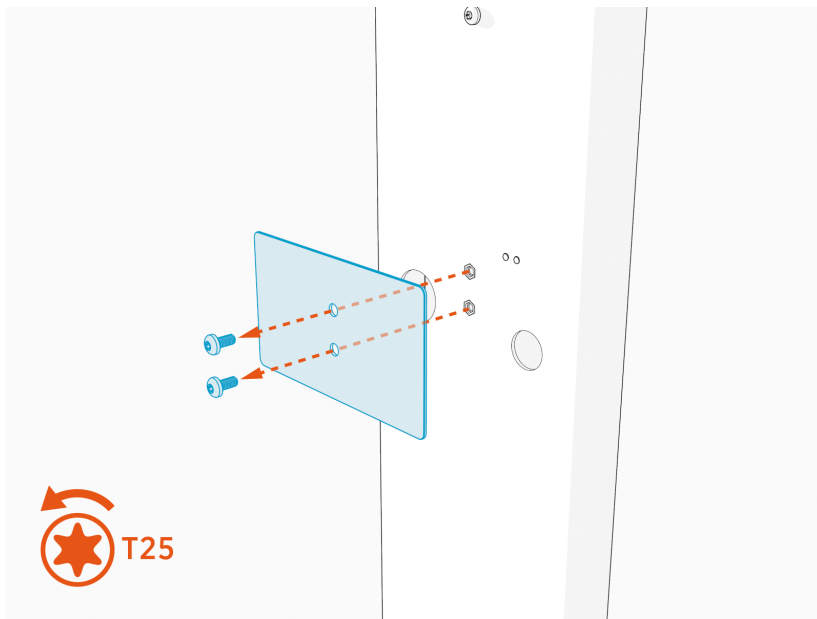


4. If you are installing a single charging station, go to step 5. Slide the top cap onto the pedestal. on page [14](#).

Complete Preparation for Two Charging Stations

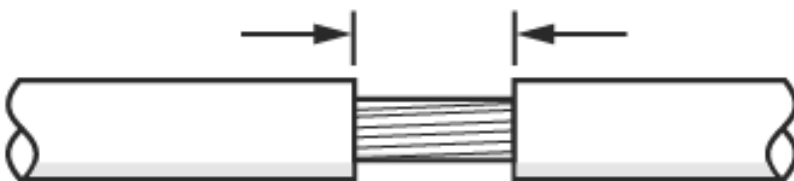
Complete the steps in this section only if you are installing two charging stations on one pedestal.

1. Use a T25 Torx screwdriver to remove the screws and plate from the back of the pedestal.

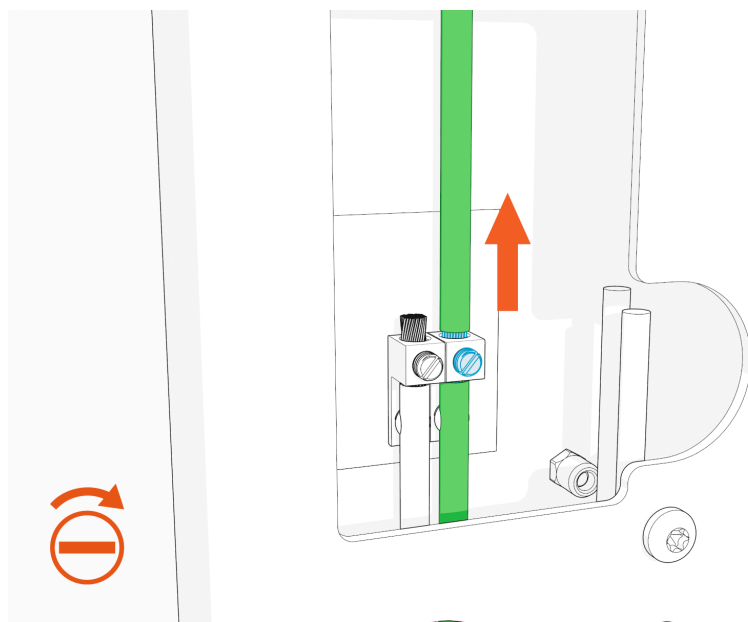


2. Strip a section in the middle of the grounding wire for both charging stations (installer provided, 8 AWG maximum) where it will pass through and land in the grounding block.

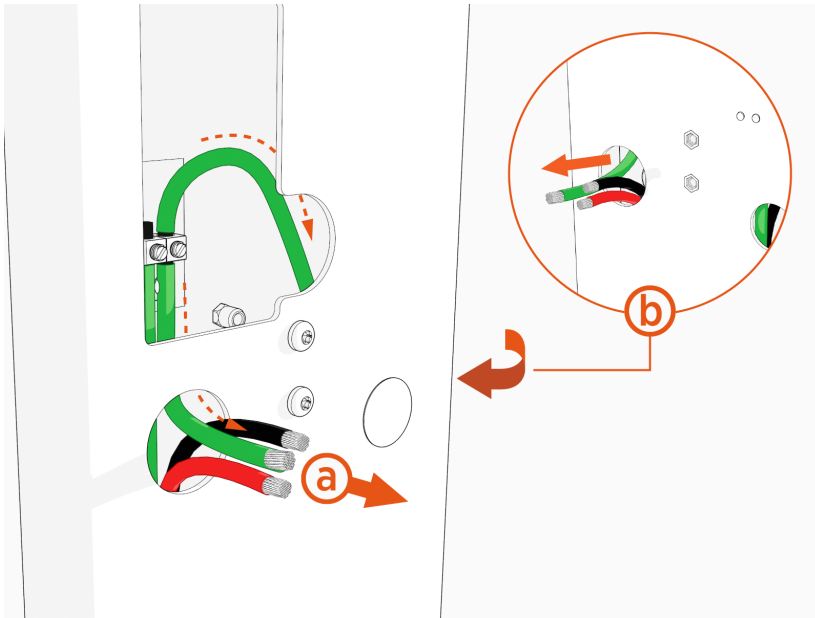
Ensure there is enough wire to reach from the grounding block to the station terminal blocks.



3. Insert the ground wire through the open terminal in the grounding block in the pedestal.
Tighten the screw on the grounding block to **2.8 Nm (25 in-lb)**.

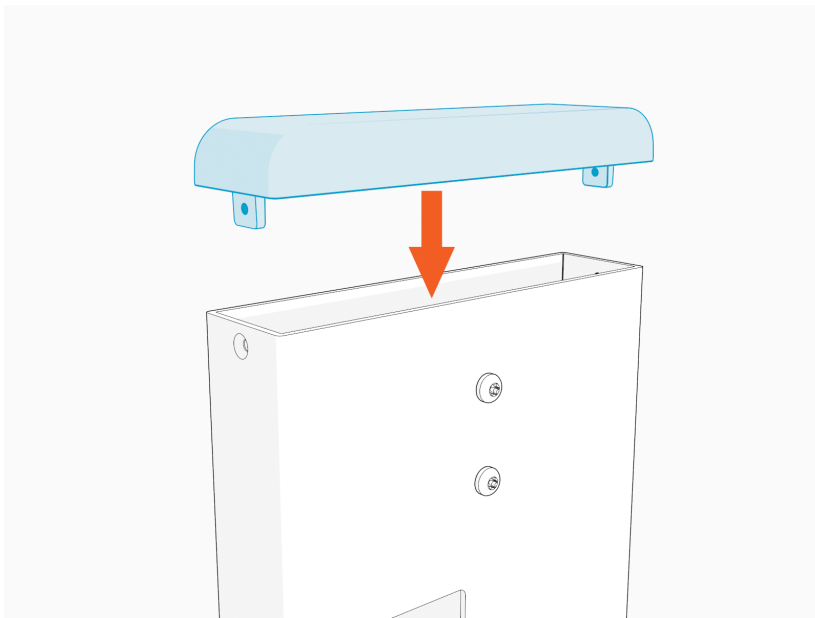


4. Route the lower end of the ground wire through the left-most hole in the front of the pedestal **(a)**. This ground wire connects to the charging station installed on the front of the pedestal.
Route the upper end of the ground wire and the service wiring for the second station through left-most hole in the back of the pedestal **(b)**.

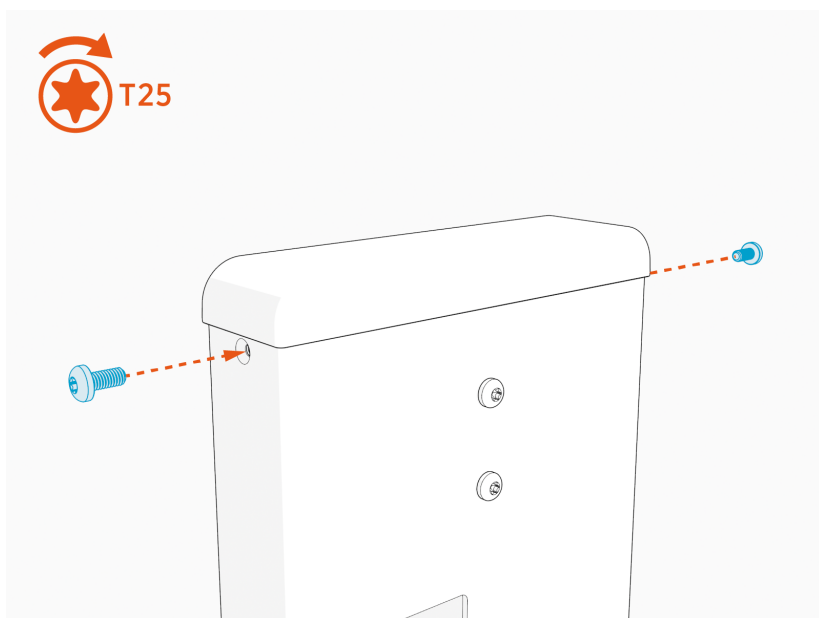


IMPORTANT: If you are installing two stations, be sure to route the service wiring through the hole in the back of the pedestal now. You will not be able to access the hole in the pedestal after a station is installed on the front.

5. Slide the top cap onto the pedestal.



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6. Use a T25 Torx screwdriver and two screws to secure the top cap.
Torque the screws to **1.1 Nm (10 in-lb)**.



The pedestal installation is complete. Refer to the appropriate charging station installation guide for instructions for mounting and installing the station.

Limited Warranty Information and Disclaimer

The Limited Warranty you received with your charging station is subject to certain exceptions and exclusions. For example, your use of, installation of, or modification to, the ChargePoint® charging station in a manner in which the ChargePoint® charging station is not intended to be used or modified will void the limited warranty. You should review your limited warranty and become familiar with the terms thereof. Other than any such limited warranty, the ChargePoint products are provided "AS IS," and ChargePoint, Inc. and its distributors expressly disclaim all implied warranties, including any warranty of design, merchantability, fitness for a particular purposes and non-infringement, to the maximum extent permitted by law.

Limitation of Liability

CHARGEPOINT IS NOT LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, PUNITIVE OR CONSEQUENTIAL DAMAGES, INCLUDING WITHOUT LIMITATION LOST PROFITS, LOST BUSINESS, LOST DATA, LOSS OF USE, OR COST OF COVER INCURRED BY YOU ARISING OUT OF OR RELATED TO YOUR PURCHASE OR USE OF, OR INABILITY TO USE, THE CHARGING STATION, UNDER ANY THEORY OF LIABILITY, WHETHER IN AN ACTION IN CONTRACT, STRICT LIABILITY, TORT (INCLUDING NEGLIGENCE) OR OTHER LEGAL OR EQUITABLE THEORY, EVEN IF CHARGEPOINT KNEW OR SHOULD HAVE KNOWN OF THE POSSIBILITY OF SUCH DAMAGES. IN ANY EVENT, THE CUMULATIVE LIABILITY OF CHARGEPOINT FOR ALL CLAIMS WHATSOEVER RELATED TO THE CHARGING STATION WILL NOT EXCEED THE PRICE YOU PAID FOR THE CHARGING STATION. THE LIMITATIONS SET FORTH HEREIN ARE INTENDED TO LIMIT THE LIABILITY OF CHARGEPOINT AND SHALL APPLY NOTWITHSTANDING ANY FAILURE OF ESSENTIAL PURPOSE OF ANY LIMITED REMEDY.

FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the manufacturer's instruction manual, may cause harmful interference with radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case, you will be required to correct the interference at your own expense.

Important: Changes or modifications to this product not authorized by ChargePoint, Inc., could affect the EMC compliance and revoke your authority to operate this product.

Exposure to Radio Frequency Energy: The radiated power output of the 802.11 b/g/n radio and cellular modem (optional) in this device is below the FCC radio frequency exposure limits for uncontrolled equipment. The antenna of this product, used under normal conditions, is at least 20 cm away from the body of the user. This device must not be co-located or operated with any other antenna or transmitter by the manufacturer, subject to the conditions of the FCC Grant.

ISED (formerly Industry Canada)

This device complies with the licence-exempt RSS standard(s) of Innovation, Science and Economic Development Canada (ISED). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme aux flux RSS exemptés de licence d'Innovation, Sciences et Développement économique Canada (ISDE). L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter.

Radiation Exposure Statement: This equipment complies with the IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

Énoncé d'exposition aux rayonnements: Cet équipement est conforme aux limites d'exposition aux rayonnements ioniques RSS-102 Pour un environnement incontrôlé. Cet équipement doit être installé et utilisé avec un Distance minimale de 20 cm entre le radiateur et votre corps.

FCC/IC Compliance Labels

Visit chargepoint.com/labels



chargepoint.com/support

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