

Single or Dual-Sided Pedestal

Networked Charging Station

Installation Guide

75-001711-01 R2



IMPORTANT SAFETY INSTRUCTIONS

SAVE THESE INSTRUCTIONS



WARNING: This manual contains important instructions for Home Flex. When using electric products, always follow basic precautions, including the following:

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. **Instructions applicable to Installation and Site Design Guides**

Only use licensed professionals to install your ChargePoint charging station and adhere to all national and local building codes and standards. Before installing the ChargePoint charging station, consult with a licensed contractor, such as a licensed electrician, and use a trained installation expert to ensure compliance with local building and electrical codes and standards, climate conditions, safety standards, and all applicable codes and ordinances.

Instructions applicable to Service, Operation & Maintenance Guides

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 electric shock. 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 (This charging station is not suitable for use in any ATEX classified area, 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).**
11. Do not operate the charging station in temperatures outside its operating range of -40°F to 122°F (-40°C to +50°C).
12. Ensure the charging cable is positioned so it is not stepped on, tripped over, or subjected to damage or stress. Do not close a garage door on the charging cable.



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

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



Applicable to EU - To comply with Directive 2012/19/EU of the European Parliament and of the Council of 4 July 2012 on waste electrical and electronic equipment (WEEE), devices marked with this symbol may not be disposed of as part of unsorted domestic waste inside the European Union. Enquire 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 Product Reference Documentation](#).

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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



NOTE: Helpful information to facilitate 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.

Revision History

This page provides a summary of revisions made, listing the month and year of each update along with a brief description of the changes made.

Month & Year	Version Number	Description
October, 2025	v2	Updated to include minimum service wire length. Add foam rings and protective plate to contents image. Added steps to install foam rings and protective plate.

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Introduction 1

Follow the installation instructions and heed all warnings to install a Single or Dual-Sided Pedestal.

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



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

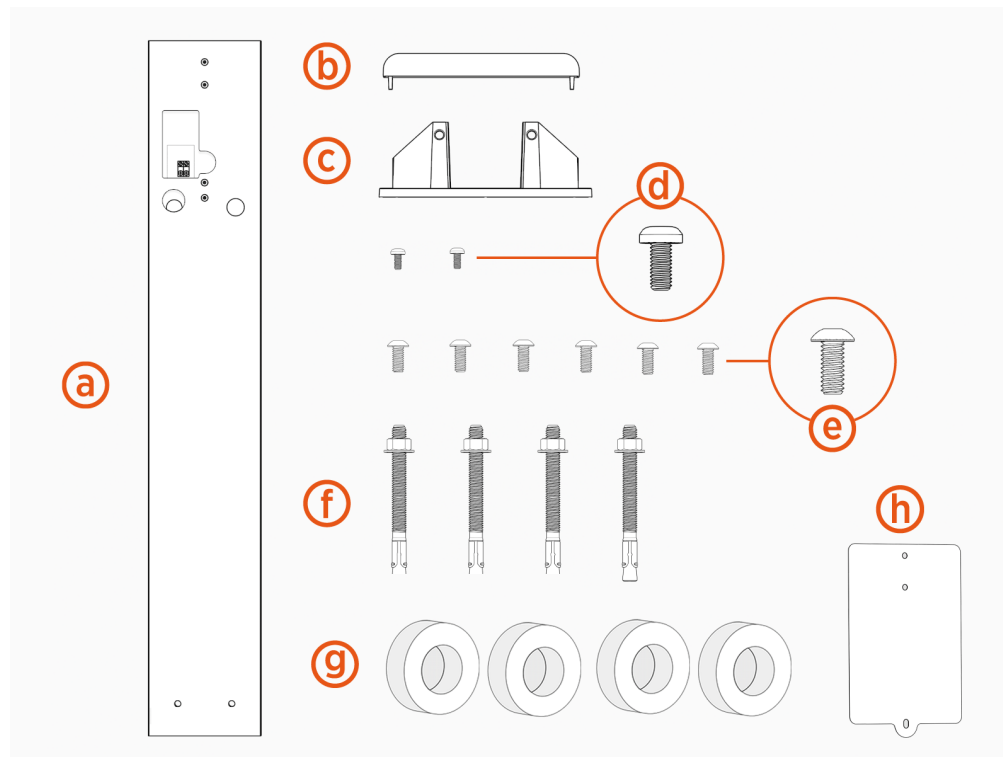
Overview of the Process

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

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)
- g. Foam rings
- h. Protective plate



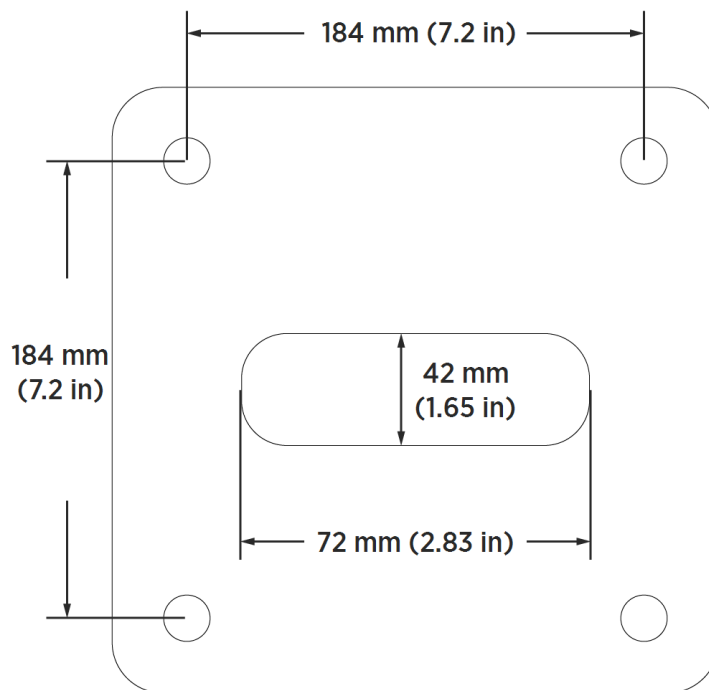
Install the Pedestal 2

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](#).
 - 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 1.3 m (51 in) 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](#).



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. (Compressed air or vacuum will also work.)
1	Slow spiral round-shank masonry drill bit	Drill 16 mm (.63 in) holes in concrete. (The holes must be at least 100 mm (4 in) deep.)

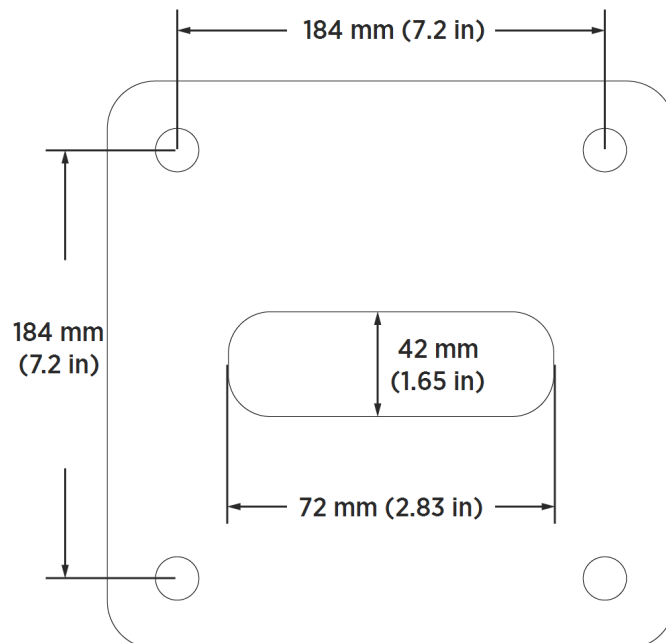
Quantity	Description	Purpose
	<ul style="list-style-type: none"> 16 mm (.63 in) diameter 	
1	Drill bit for concrete embedded rebar, round (if required) <ul style="list-style-type: none"> 16 mm (.63 in) bit size 	Drill 16 mm (.63 in) hole through rebar.

Bolt 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).

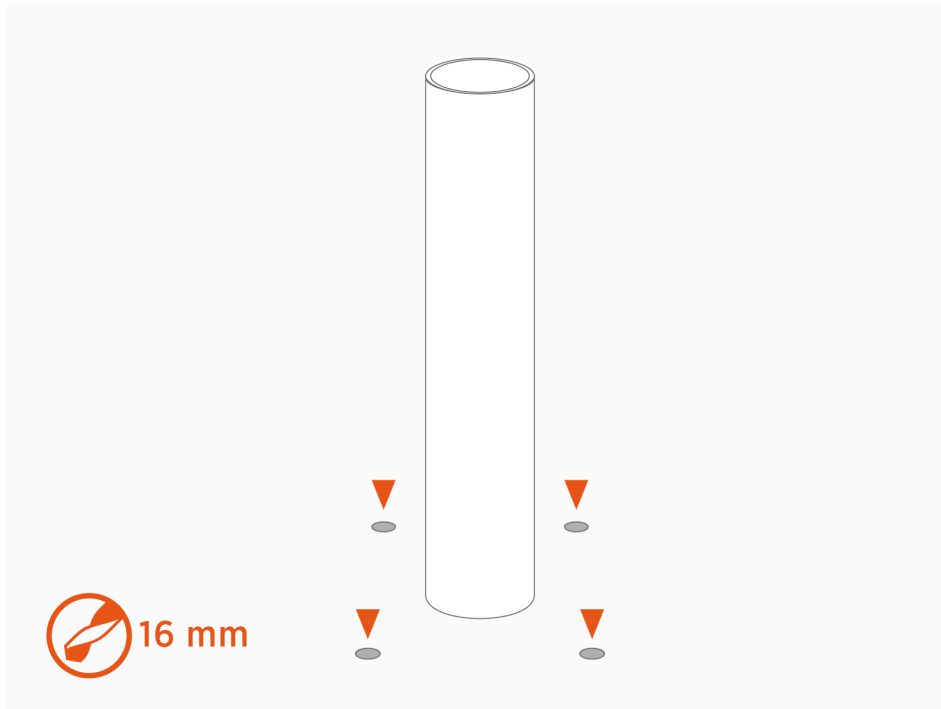


2. Ensure that the conduit stub-up is at the center of the hole location.

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.

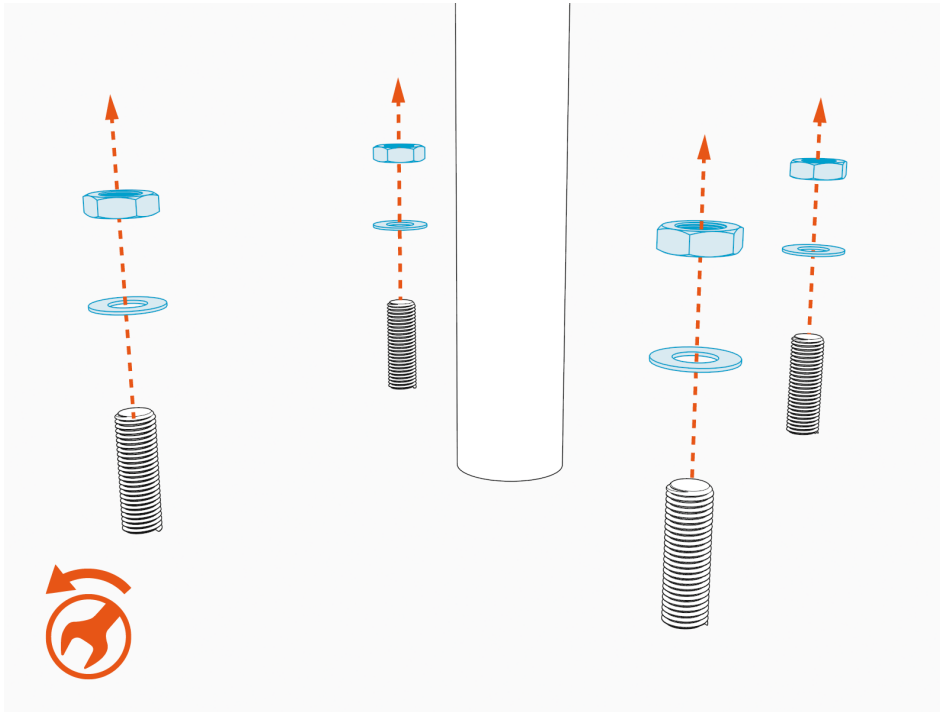


4. Use compressed air, a vacuum, or a brush and remove all dust from the drilled holes.
5. Insert the bolts into the holes.
6. Use a hammer to tap the bolts until they protrude at least 30 mm (1-1/4 inches) above the surface.
Each bolt must extend at least 30 mm (1-1/4 inches) above the surface.

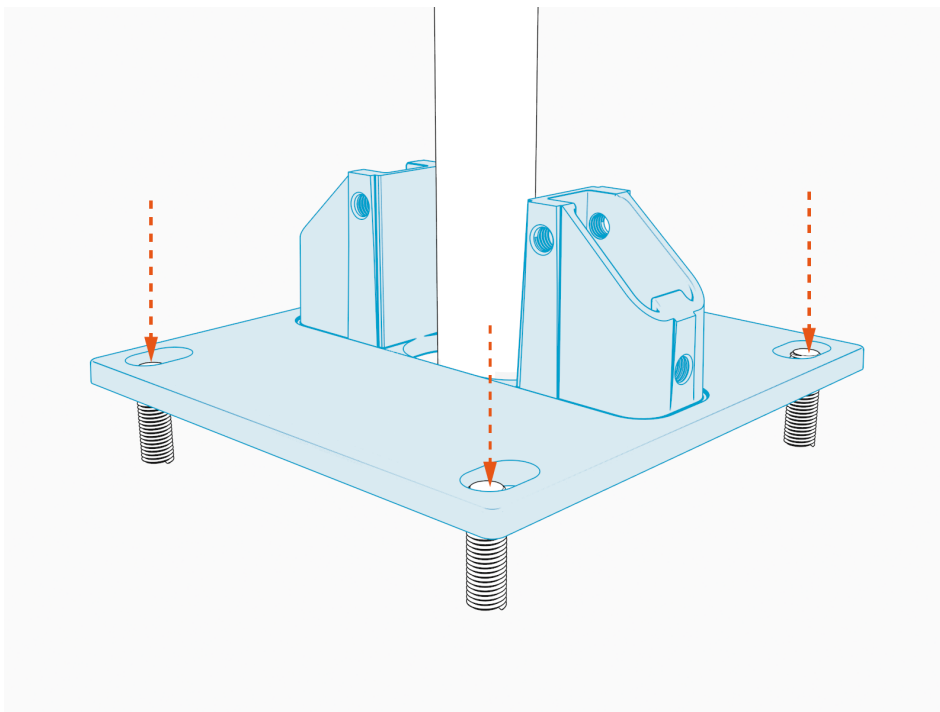
You are now ready to install the pedestal. Continue to [Mount the Pedestal](#).

Mount the Pedestal

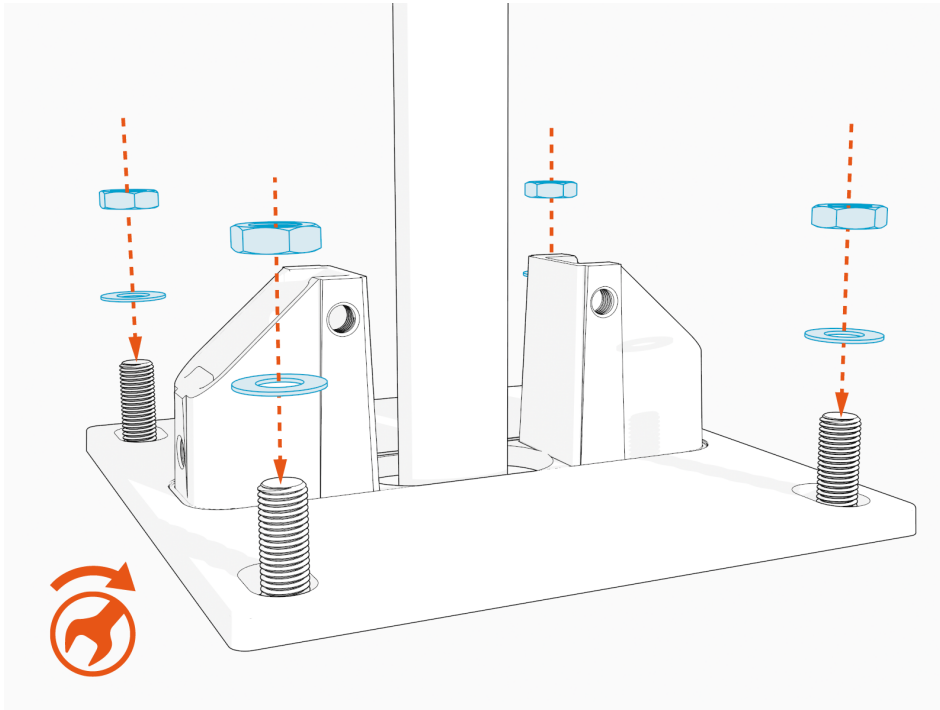
1. If present, remove the top nut and top washer from each of the four bolts in the pad.



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



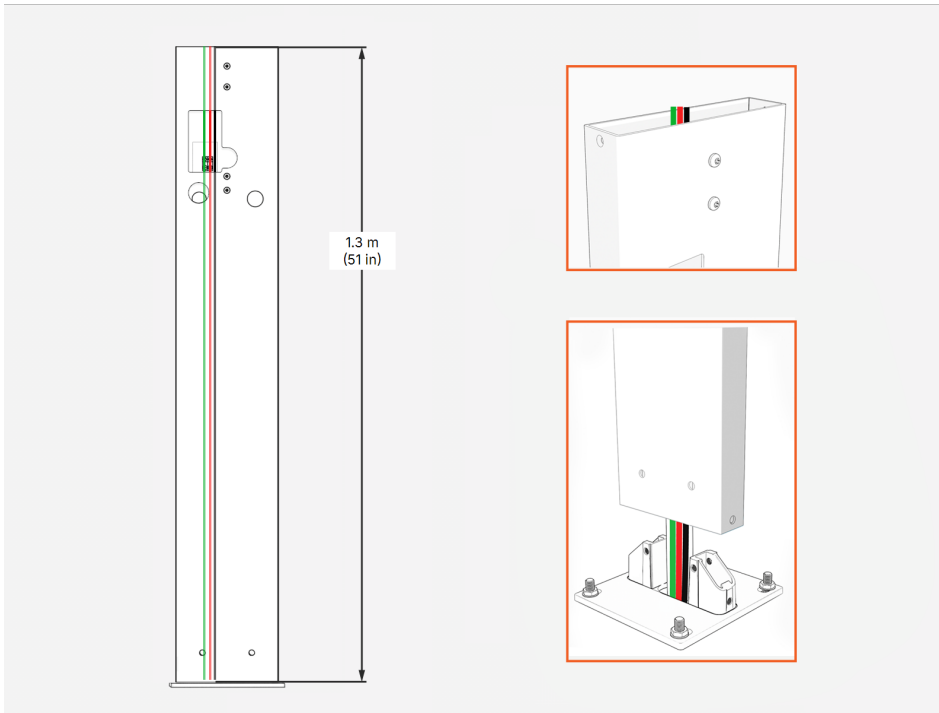
-
3. Use washers and nuts to secure the base to the bolts.
Torque the top nuts to **100 Nm (73.8 ft-lbs)**.



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

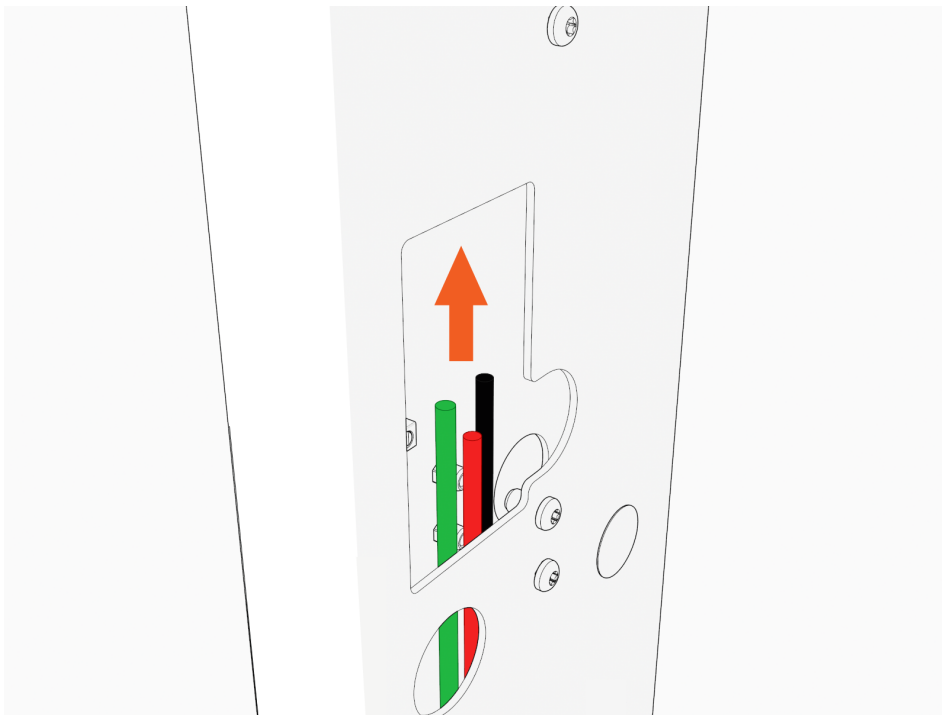


IMPORTANT: The length of the wires, measured from the base of the pedestal, must be at least 1.3 m (51 in).

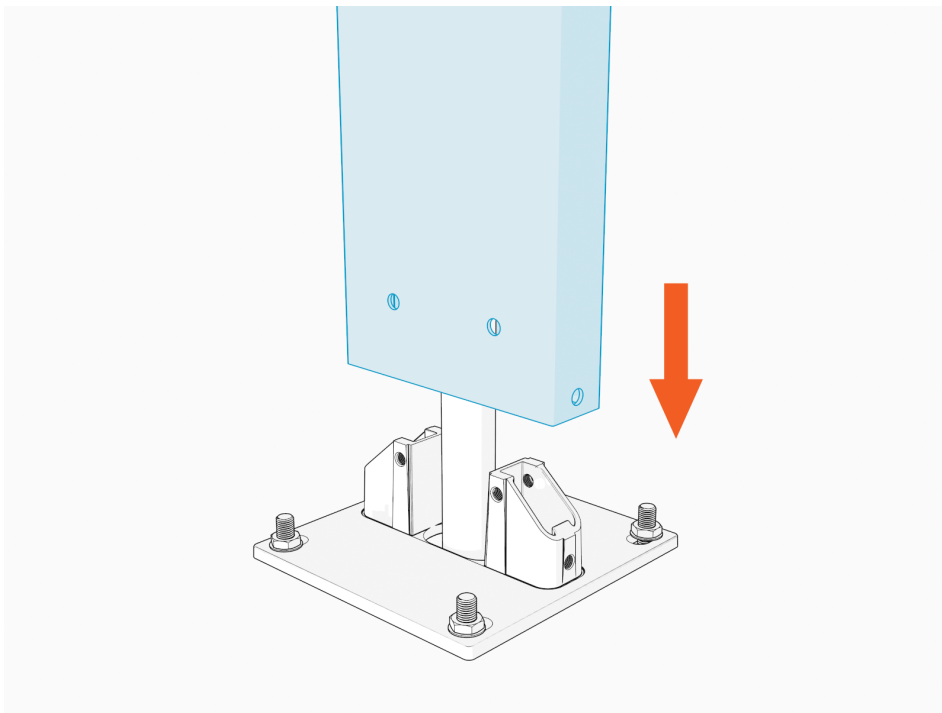


If you plan to install two charging stations on the pedestal, be sure to pull two sets of service wiring (two red wires and two black wires) through.

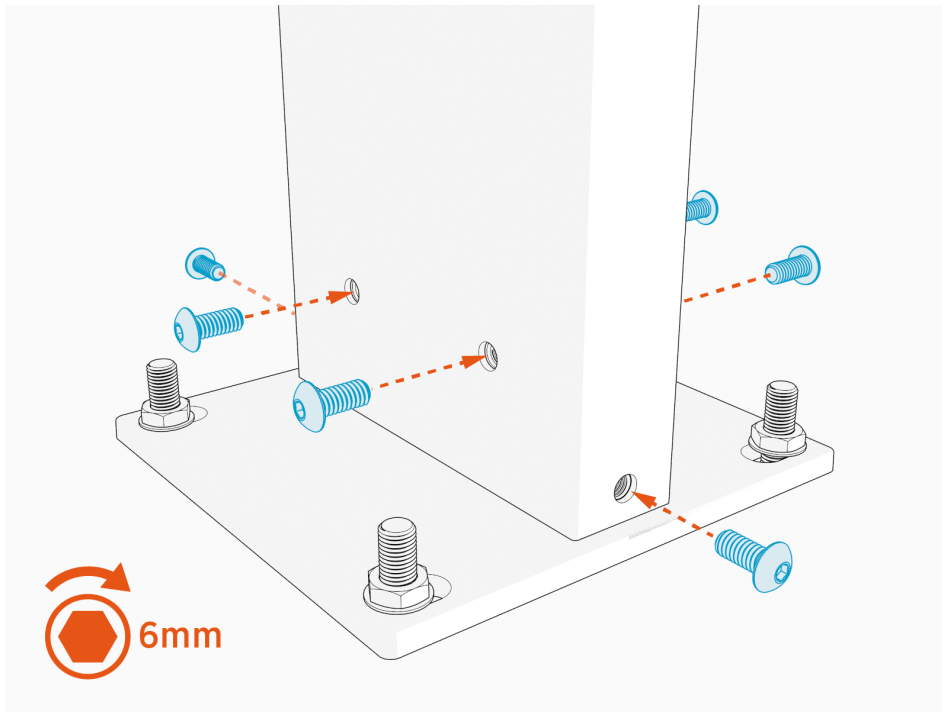
If the station supports Ethernet, route Ethernet wiring through the pedestal now.



5. Slide the pedestal onto the base.

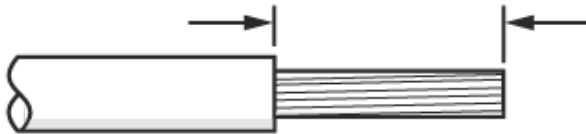


- Use a 6 mm hex driver and six screws (provided) to secure the pedestal to the base.
Torque the screws to **20 Nm (14.8 ft-lbs)**.



Ground the Station and Route the Wiring

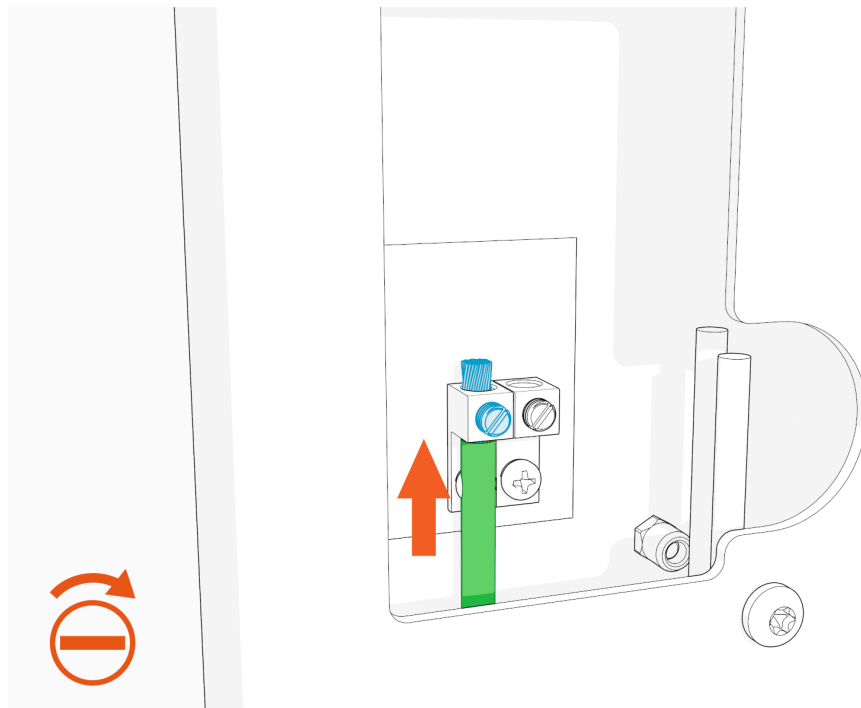
- Strip the ground and service wires 13 mm (0.5 inch).



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 [Prepare the Pedestal for Two Charging Stations](#).

Prepare the Pedestal for a Single Station



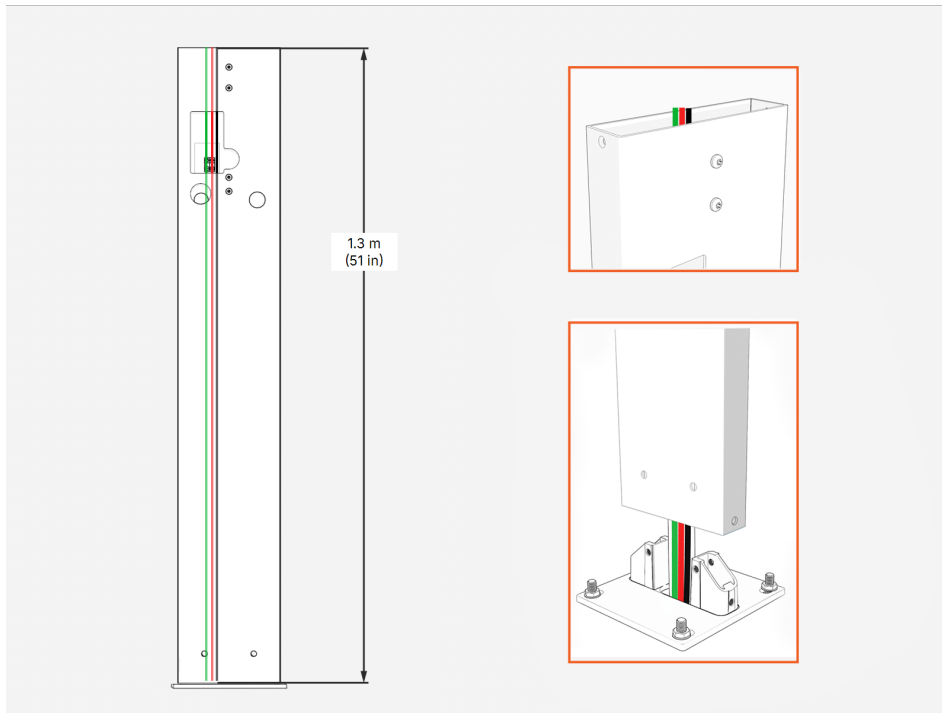
IMPORTANT: If you are installing two charging stations on a single pedestal, go to [Prepare the Pedestal for Two Charging Stations](#).

Complete the following steps for a single charging station:

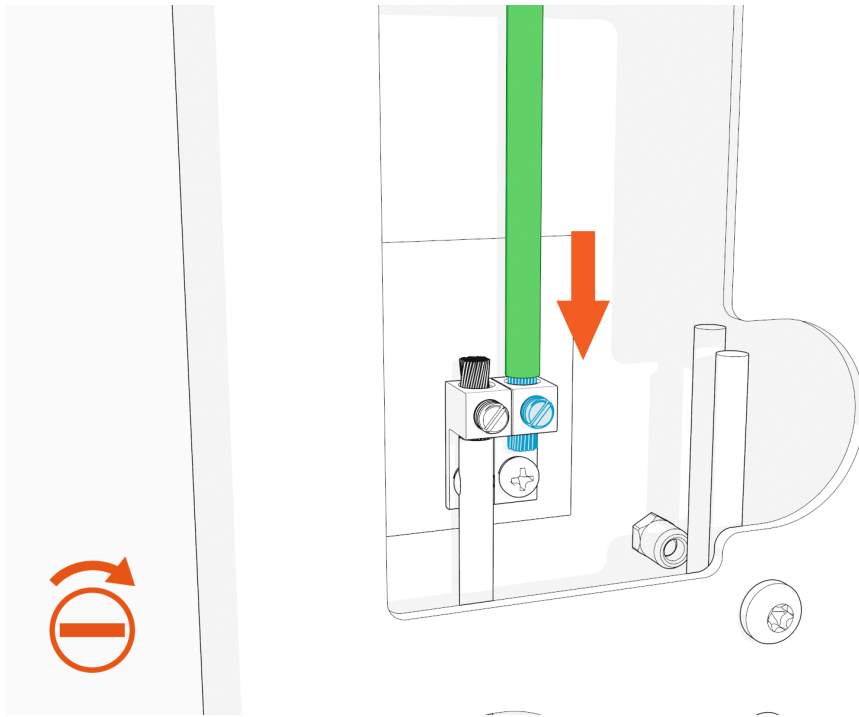
1. Ensure that there is enough wire (installer provided) to reach from the grounding block to the charging station.



IMPORTANT: The length of the wires, measured from the base of the pedestal, must be at least 1.3 m (51 in).

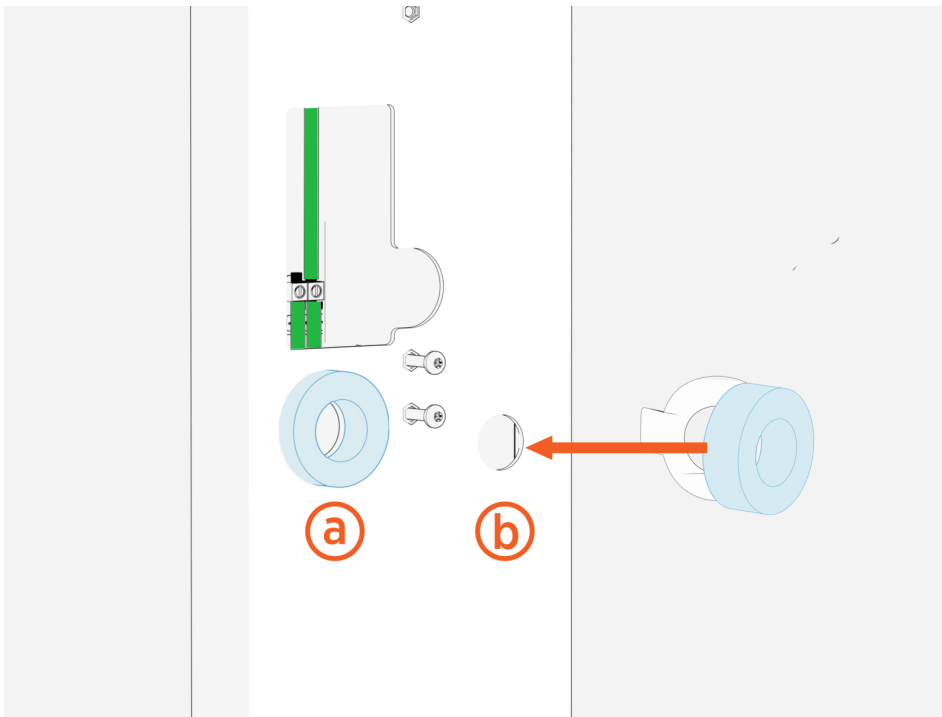


2. Insert this ground wire into the charging station terminal block.
Tighten the screw on the grounding block to **2.8 Nm (25 in-lb)**.

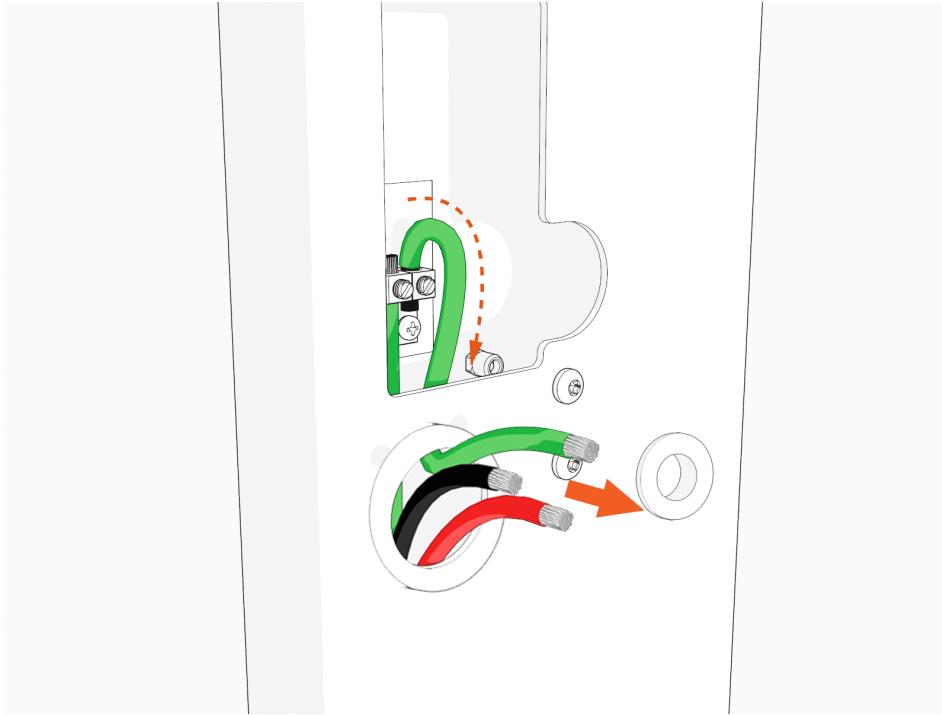


3. Remove the adhesive backing from the foam ring, then press it firmly over the left-most hole **(a)** on front of the pedestal.

If you are installing a Flex Series charging station and you're pulling low-voltage wiring (Ethernet, for example) on the right side of the pedestal, install a foam ring on the right-most hole **(b)**.



-
4. Route the ground and service wires for the first station through the hole on the front of the pedestal.
If you are installing a Flex Series charging station and you are pulling low-voltage wiring (Ethernet, for example), pull the low-voltage wiring through the right-most hole.

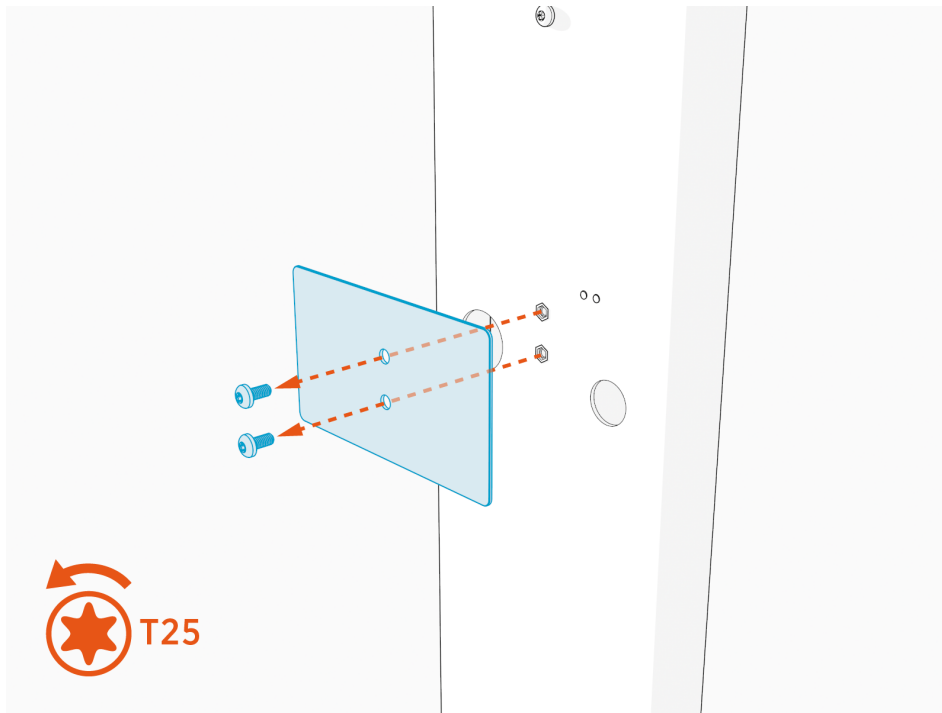


5. Go to step 7, [Use a T25 Torx screwdriver to remove the two screws from the pedestal.](#)

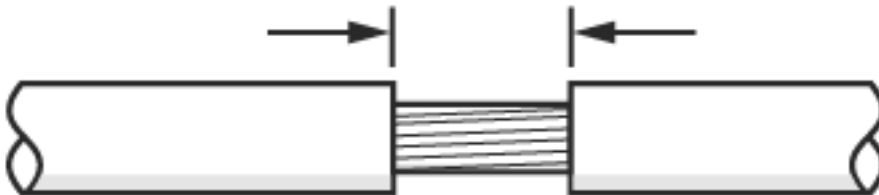
Prepare the Pedestal for Two Charging Stations

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.

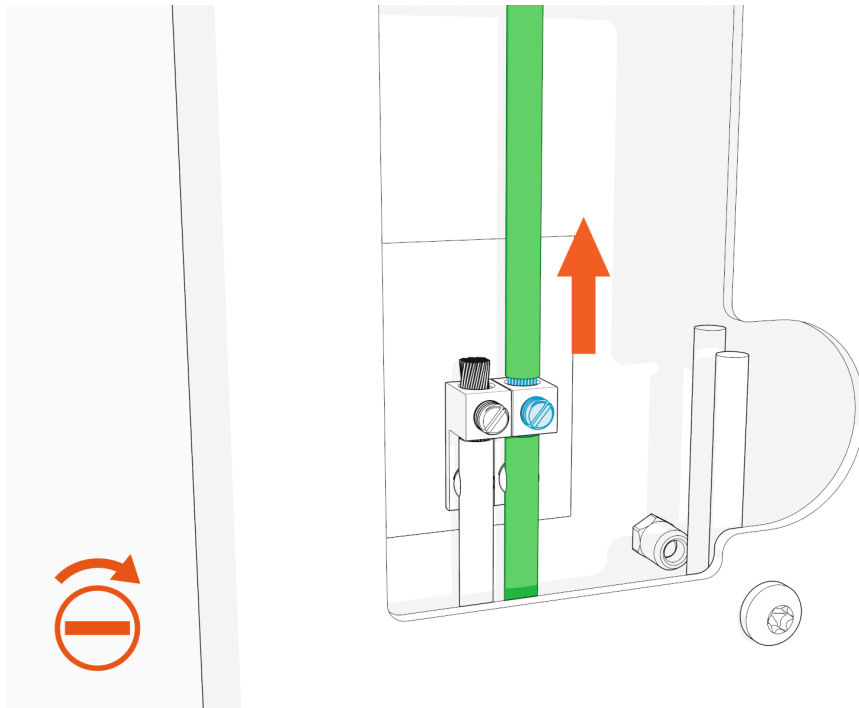


Ensure that there is enough wire to reach from the grounding block to the station terminal blocks.



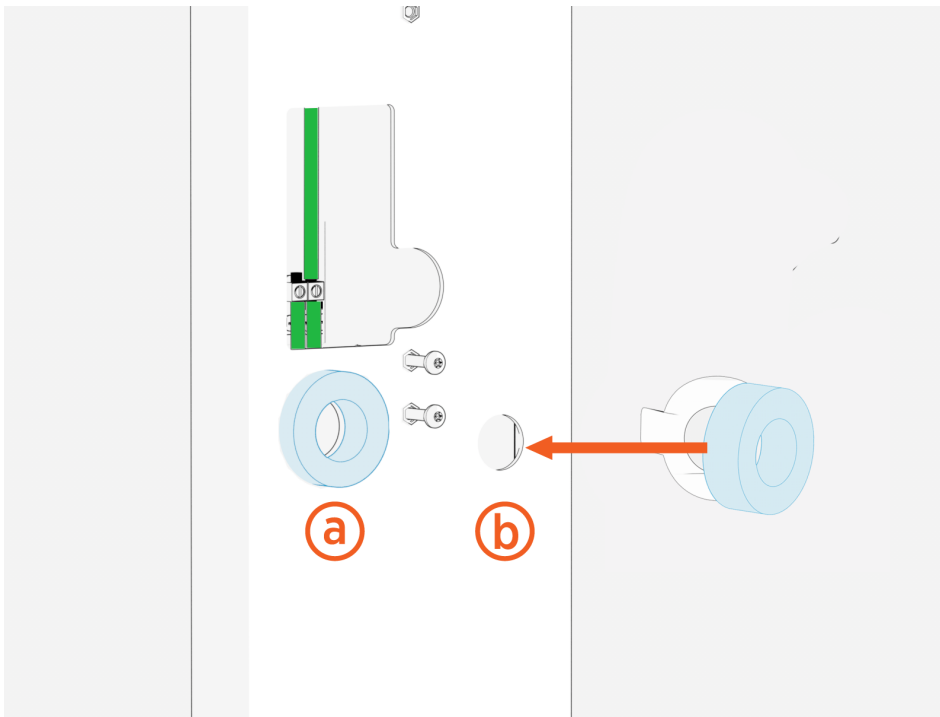
IMPORTANT: The length of the wires, measured from the base of the pedestal, must be at least 1.3 m (51 in).

-
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)**.



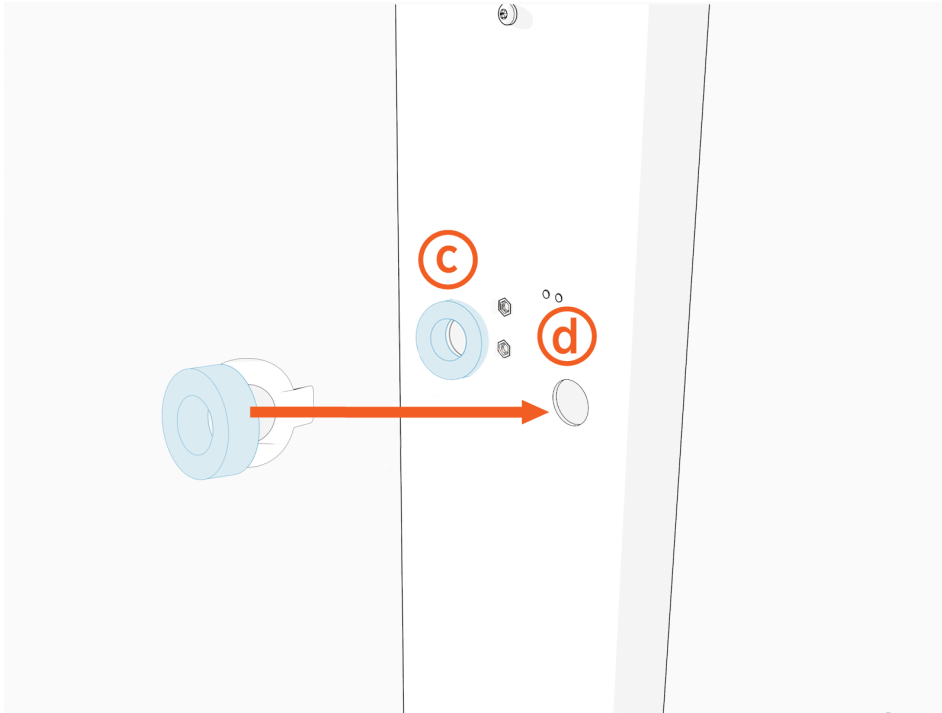
4. Remove the adhesive backing from the foam ring, then press it firmly over the left-most hole **(a)** on the front of the pedestal.

If you are installing a Flex Series charging station and you are pulling low-voltage wiring (for example, Ethernet) on the right side of the pedestal, install a foam ring on the right-most hole **(b)**.

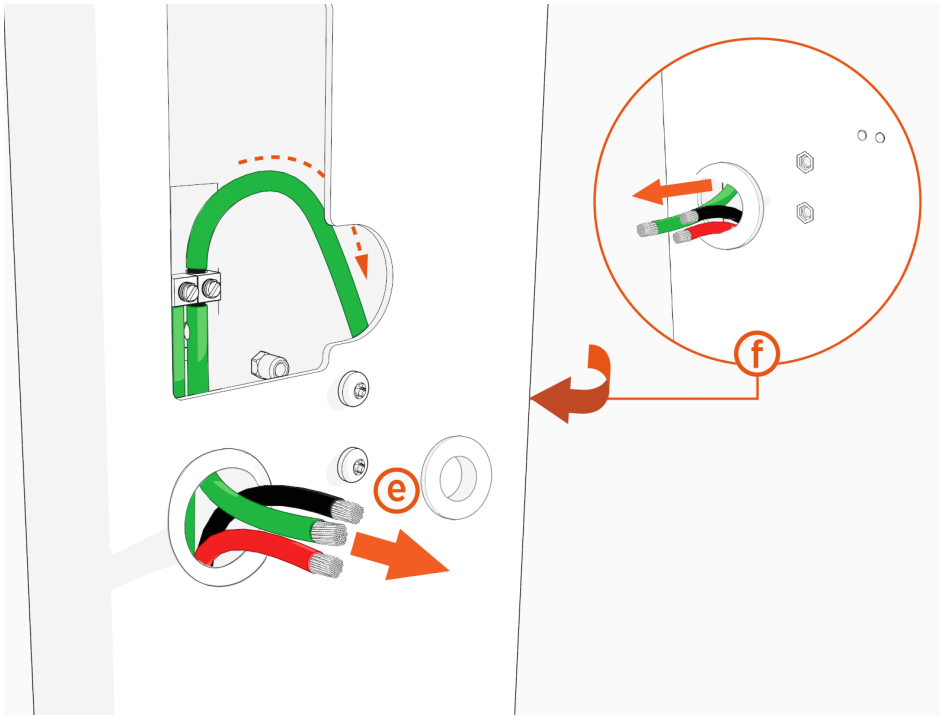


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5. Remove the adhesive backing from the foam ring, then press it firmly over the left-most hole **(c)** on the BACK of the pedestal.

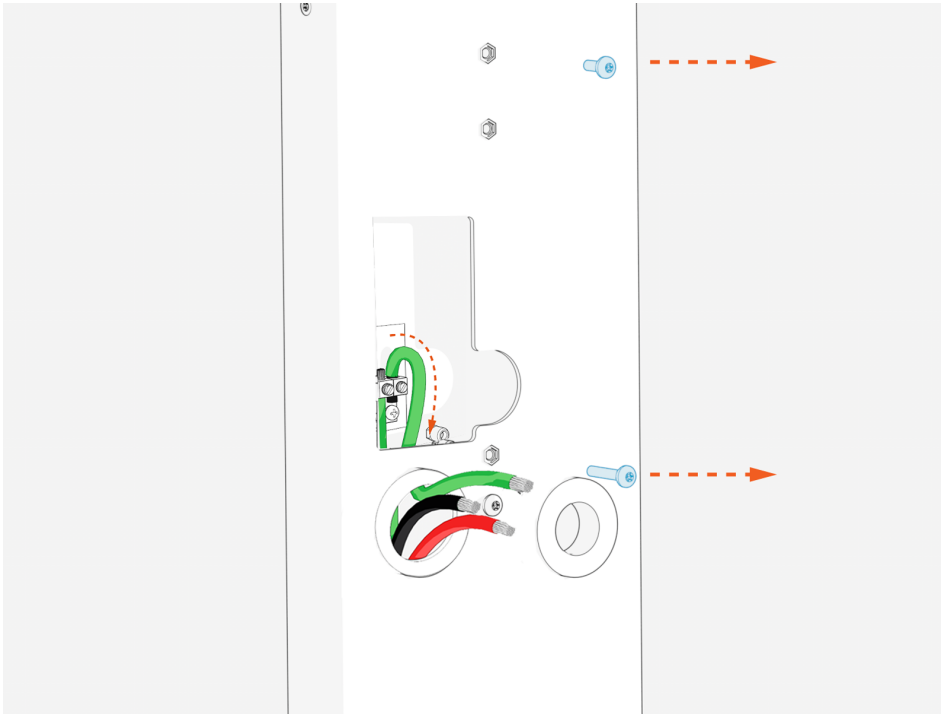
If you are installing a Flex Series charging station and you are pulling low-voltage wiring (for example, Ethernet) on the right side of the pedestal, install a foam ring on the right-most hole **(d)** on the BACK of the pedestal.



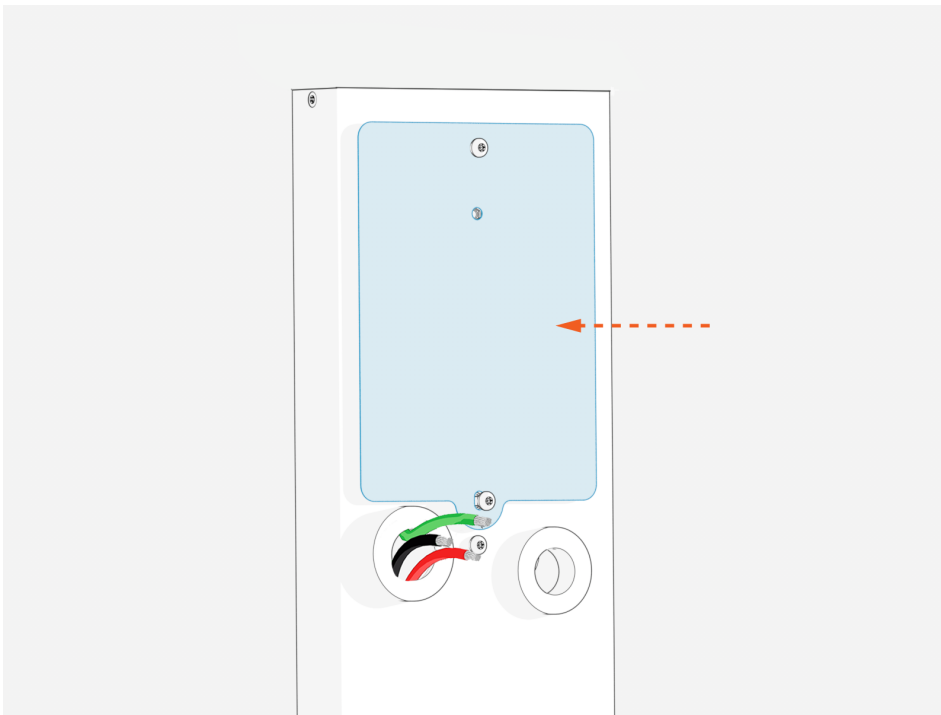
6. Route the lower end of the ground wire through the left-most hole on the front of the pedestal **(e)**. This ground wire connects to the charging station installed in front of the pedestal.
- Route the upper end of the ground wire and the service wiring for the second station through left-most hole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



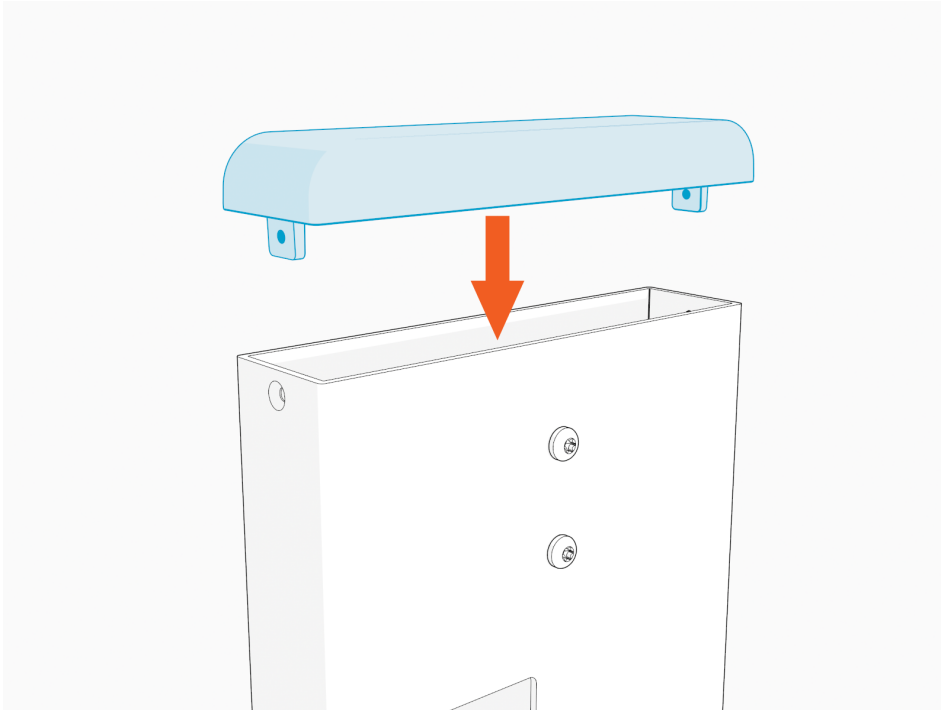
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7. Use a T25 Torx screwdriver to remove the two screws from the pedestal.



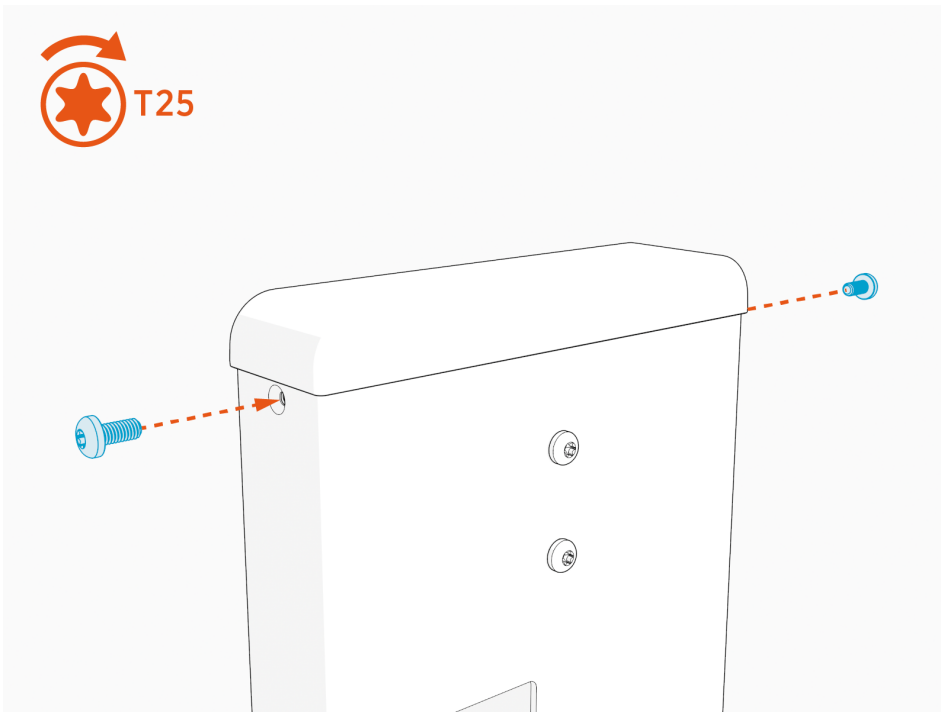
8. Position the protective plate over the pedestal opening and secure it with the screws.



- Slide the top cap onto the pedestal.



- 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 on 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.

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