ChargePoint CP6000 Series

Networked Charging Station

Installation Guide

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 should 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.

Copyright and Trademarks

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.

Contents

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
November, 2025	v3	This version includes the following changes: • Added a statement to use the Installer App in offline mode to configure the station. The statement is added in the ChargePoint Installer app section. • Added Appendix Install the USB to Ethernet Module chapter with steps to connect the charging station to a local Ethernet network for LAN communication.
September, 2025	v2	Added wall mount installation instructions.
July, 2025	v1	Removed Surface Conduit Entry Kit Guide from the list of reference documents.
		Updated the cover image.

ChargePoint CP6000 Series Installation

1

The ChargePoint CP6000 is an all-purpose charging station for property owners, businesses, and municipalities. The CP6000 charging station can be mounted on a pedestal or a wall.

CP6000 charging stations are alternating current (AC) supply equipment. Once they are installed and activated, they are connected to the AC network.

NOTE: CP6000 charging stations do not have ventilation capabilities.

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.

CP6000 charging stations can be installed with single cable feeding both ports (circuit share) or with dual cables, one for each port.

NOTE: These charging stations are available in several configurations. The images in this guide might not match your station exactly; however, the installation steps are the same unless otherwise noted.

Accessing Complete Documentation

Access documents at ChargePoint Product Reference Documentation.

Document	Content	Primary Audiences
Datasheet	Full station specifications	Site designer, installer, and station owner
Site Design Guide	Civil, mechanical, and electrical guidelines to scope and construct the site	Site designer or engineer of record
Construction Signoff Form	Checklists used by contractors to	Site construction contractor

Document	Content	Primary Audiences
	ensure the site is correctly completed and ready for product installation	
Installation Guide	Anchoring, wiring, and powering on	Installer
Operation and Maintenance Guide	Operation and preventive maintenance information	Station owner, facility manager, and technician
Service Guide	Component replacement procedures, including optional components	Service technician
Declaration of Conformity	Statement of conformity with directives	Purchasers and public

Power Management

Using ChargePoint Power Management technology, sites can install more stations than would otherwise be supported by the available electrical service. A maximum aggregate load is defined for a group of charging stations. ChargePoint cloud-based services manage the individual power output of each station (or port) to ensure the maximum load is never exceeded.

A CP6000 charging station provides up to 32 A of output current to each charging port.

Site Requirements

Ensure that the appropriate wiring, circuit protection, and metering are in place at the installation location by reviewing the *Site Design Guide*, the *Datasheet*, and the wiring diagrams and grounding requirements in the chapter titled *Connect Wiring*.

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

Bring These Tools and Materials

To install CP6000 charging stations, you need the following tools:


T20 and T25 torx-end wrenches
L wrench included, combined with 4 mm hex


Mini-ratchet wrench


Adjustable torque wrench
nut size 4 mm and 24 mm


4 mm ball-end hex wrench
L wrench included, combined with T25 Torx


Multimeter
(solenoid type voltmeter preferred)


Diagonal wire cutter


Drill and tap for appropriate wall attachment hardware
(wall mount stations only)


CMK ball tool (included)


Wire stripper


Torx screwdriver (T25)


#2 Pozidriv torque screwdriver
(capable of controlling torque)


#3 Philips screwdriver


Flat blade screwdriver
(capable of controlling torque)


Level


10 mm wrench


Protective cut-proof gloves

Wall mounting hardware requirements vary based on surfaces:

- Masonry anchors rated for at least 318 kg (700 lb) of pull-out force.
- Attachment hardware appropriate for mounting surface. For example, use 10 x 75 mm (3/8 x 3 in) lag bolts if mounting on a wooden wall.

Inspect the Boxes for Contents

The CP6000 ships in multiple boxes. Check to make sure you have all of the following parts before beginning work.

(a) Head unit assembly

(b) Top cap

(c) Cable Management Kit (CMK) - only stations with cables attached

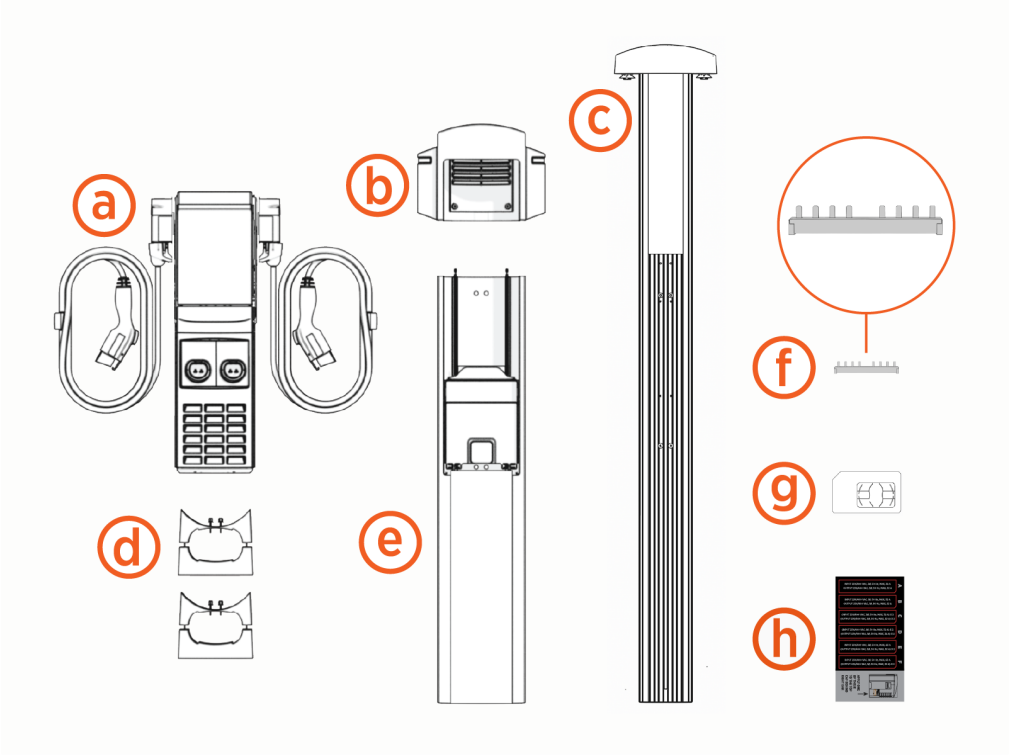
(d) Wall mount bracket kit (wall mount stations)

(e) Pedestal or wall mount enclosure

(f) Circuit share jumper kit

(g) SIM Card

(h) Rating label sheet



The charging station ships with an Ethernet kit (purchased separately). Check to make sure you have the following parts in the kit:

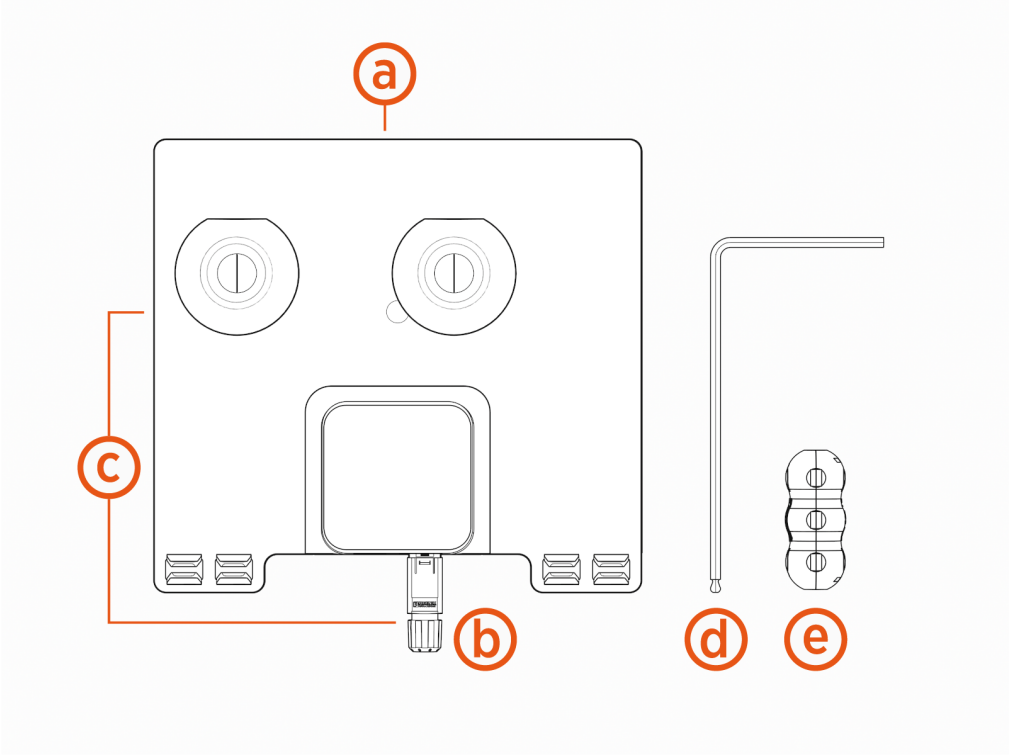
(a) Ethernet Module

(b) Accessory (the Ethernet connector)

(c) Ethernet Adapter Assembly

(d) L-wrench

(e) Ferrite accessory



IMPORTANT: All CP6000 charging stations include L1 - L2 circuit share power management jumpers. If a single three-phase supply circuit is feeding a dual port station, install the L1 - L2 jumper. This offers local phase rotation between the two charging ports to distribute and balance charging loads across the supply phases. If a single supply circuit is feeding a dual port station, you MUST install power management jumpers for both ports to operate correctly.

For assistance, go to chargepoint.com/support and contact technical support using the appropriate region-specific number. Order power management jumpers from Support if required.

CP6000 charging stations comes with two options:

- Residual Current Circuit Breaker (RCCB) per charging port or
- Residual Circuit Breaker with Overload Protection (RCBO) per charging port

Talk to your local ChargePoint contact and agree on the best solution for the installation.

When choosing RCBO, a single input cable can be supplied to the charging station because of the share power management jumpers. The upstream cable will also be protected according to the national wiring regulations.

When choosing RCCB in certain countries, local wiring regulations will require that these stations shall be connected with two input power cables and an additional upstream Miniature Circuit Breaker (MCB). Make sure to follow the local regulations considering the maximum current delivered per charging port.

If an upstream RCD will be used, ensure that the RCD fulfills the selectivity criteria. Either 30 mA (s) with selective tripping characteristic or 100 mA are required so both

RCDs (RCCB in station and RCD in upstream circuit board) will be connected in series.

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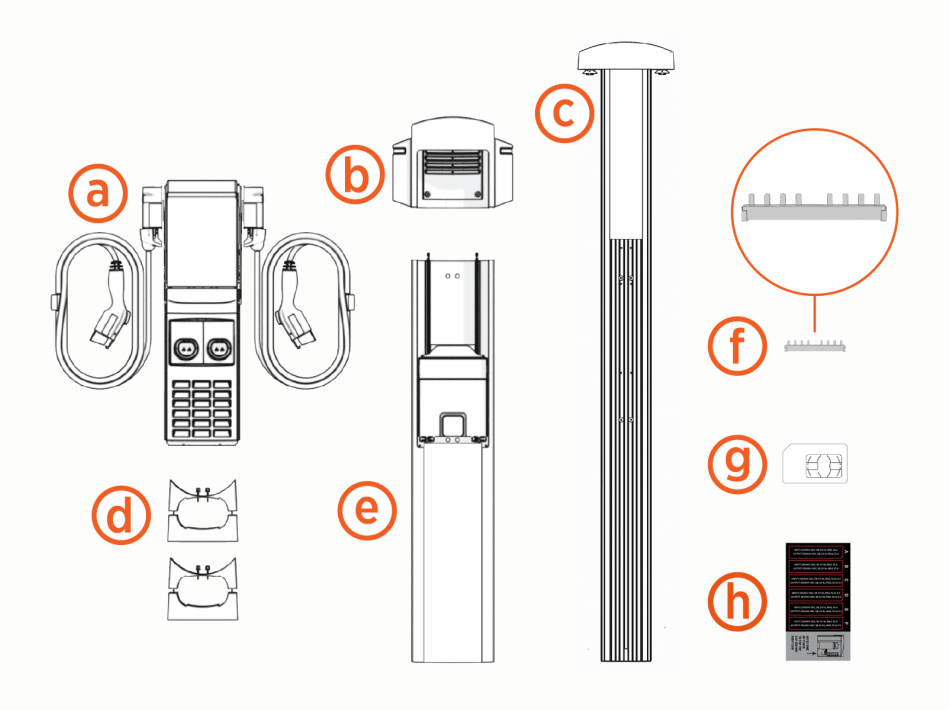
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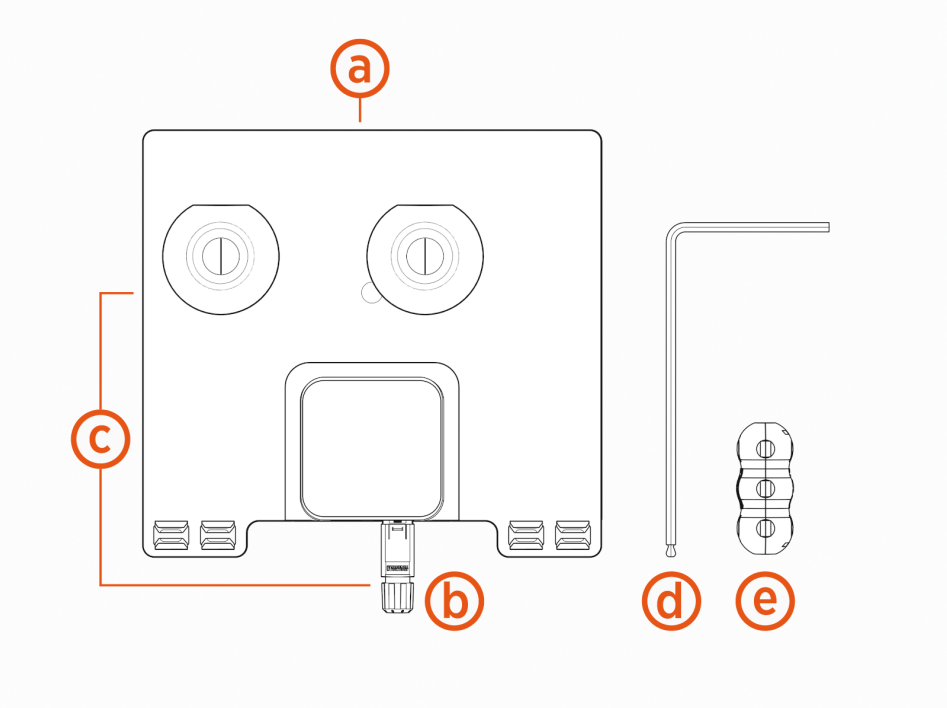

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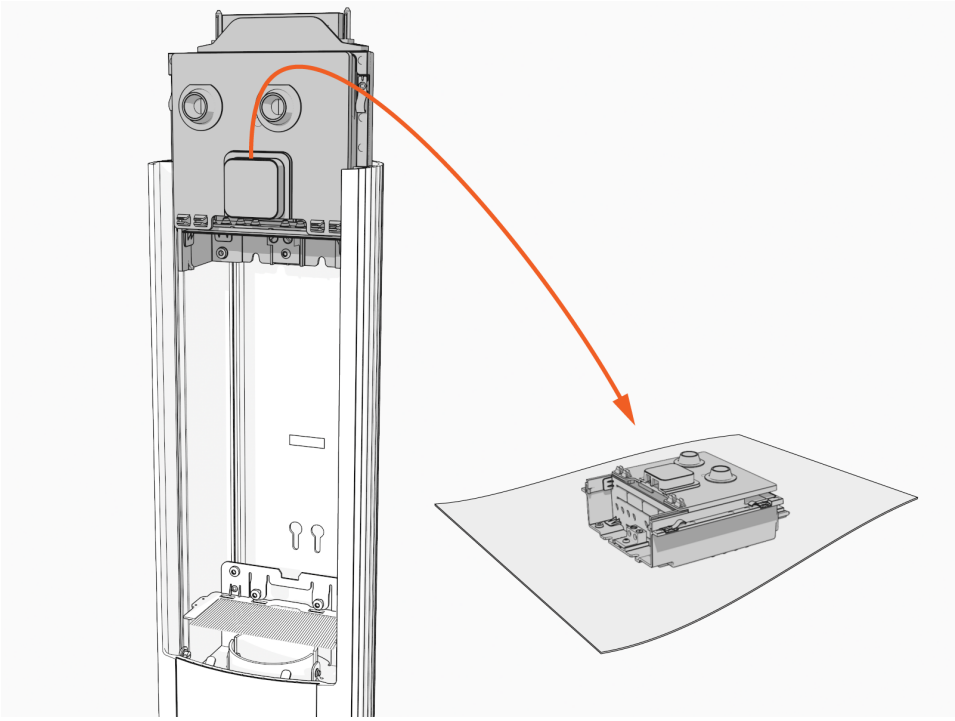
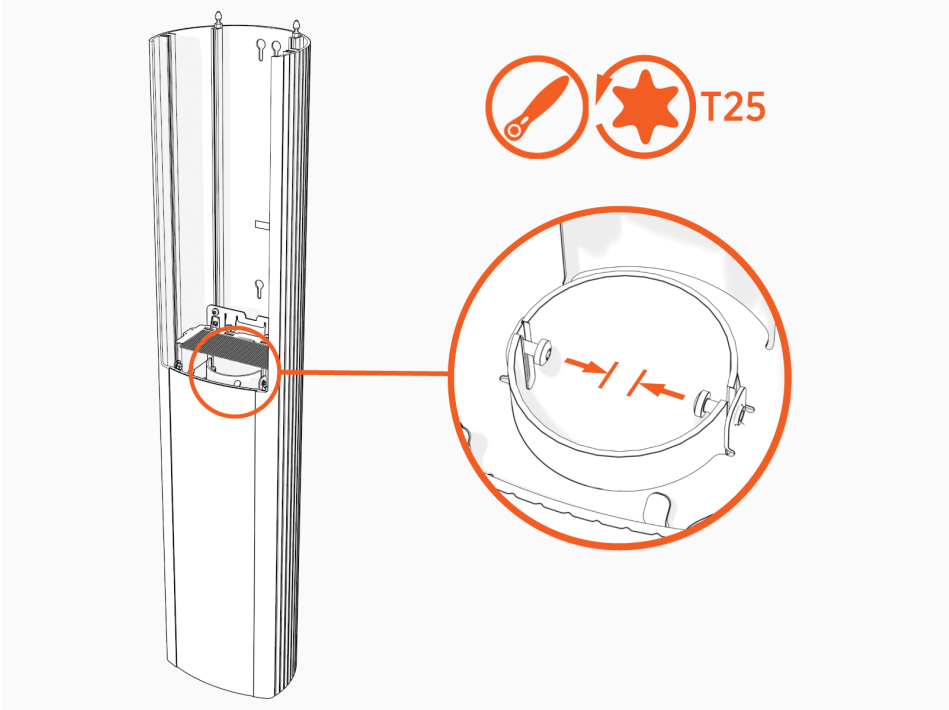
Install a Pedestal Mount 2

Prepare the Pedestal for Mounting

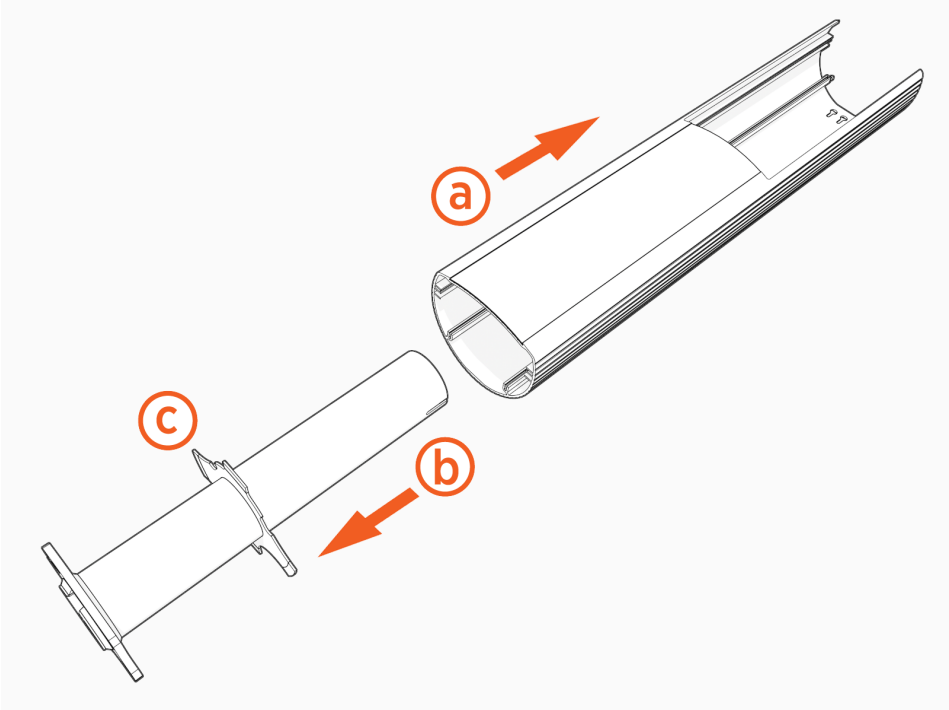
1. Remove the power plate and set it gently on a padded surface.



2. Use the L-wrench or mini-rachet wrench to loosen, but not remove, two screws.



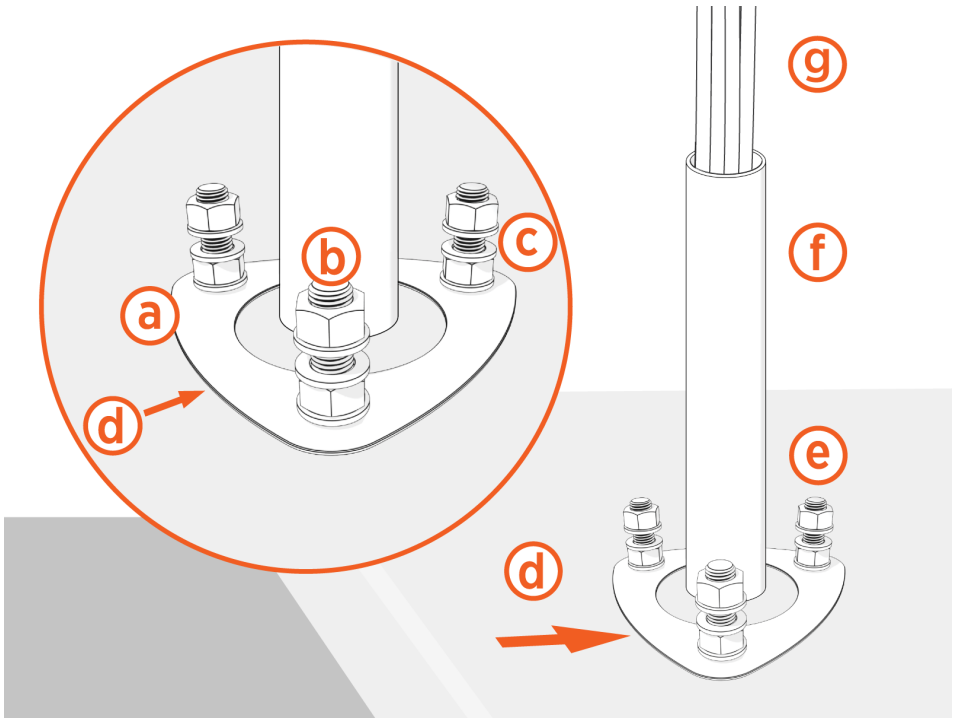
3. Remove the housing **(a)** from the pedestal **(b)**. Keep the rubber spacer **(c)** in place.



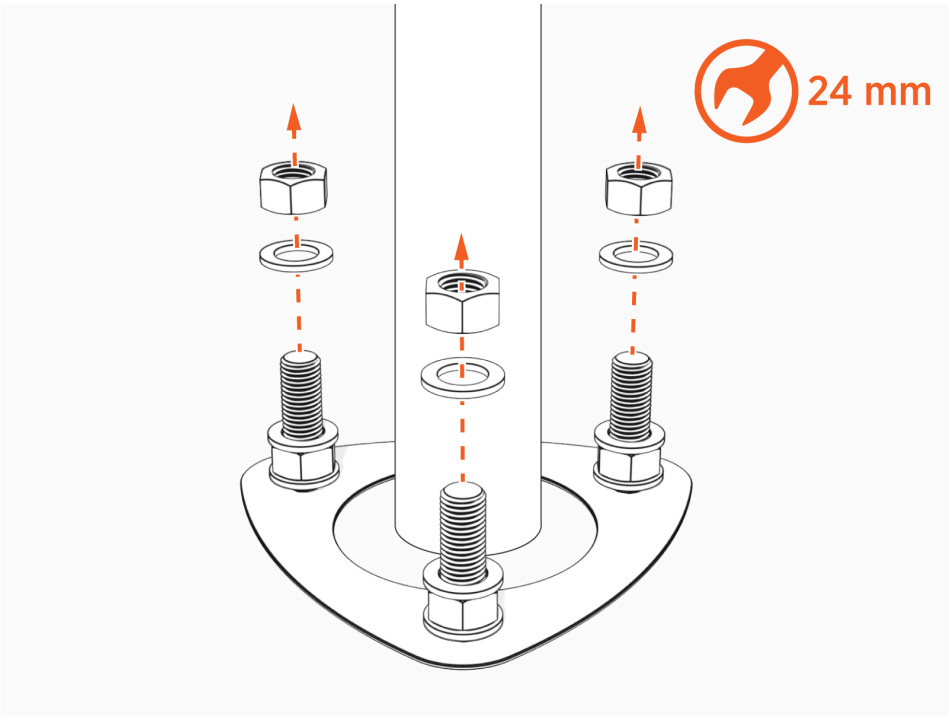
Mount the Pedestal

1. Confirm that the location has been prepared according to the *Site Design Guide* and the *Concrete Mount Template* by visiting ChargePoint Product Reference Documentation.
2. You should see the following:

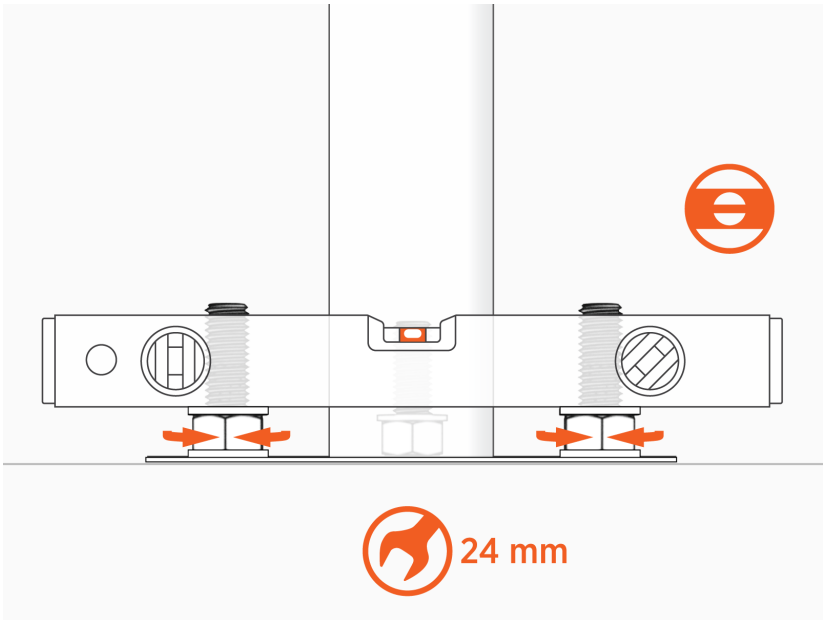
a. Concrete mounting template
b. Three bolts set into concrete
c. Two nuts and three washers on each bolt
d. Template front
e. Bolts extending 60 mm (2 1/3 in) to 100 mm (4 in)
f. Conduit stub-up measuring 152 mm (6 in) to 590 mm (2 ft)
g. Approximately 1.5 m (5 ft) of service wiring
h. CP6000 adapter cover (only if replacing CP6000)



3. Remove top nuts and washers.

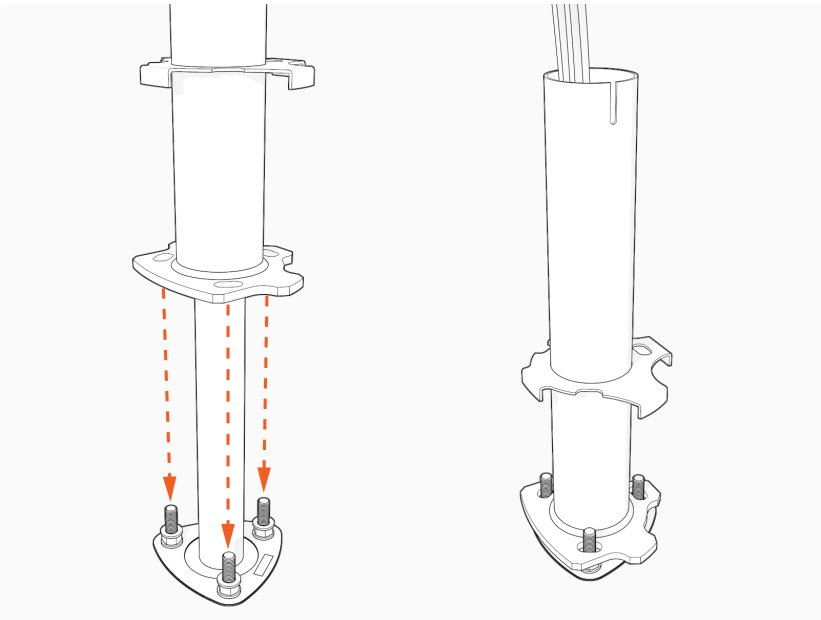


4. Adjust the lower nuts as necessary to be level.



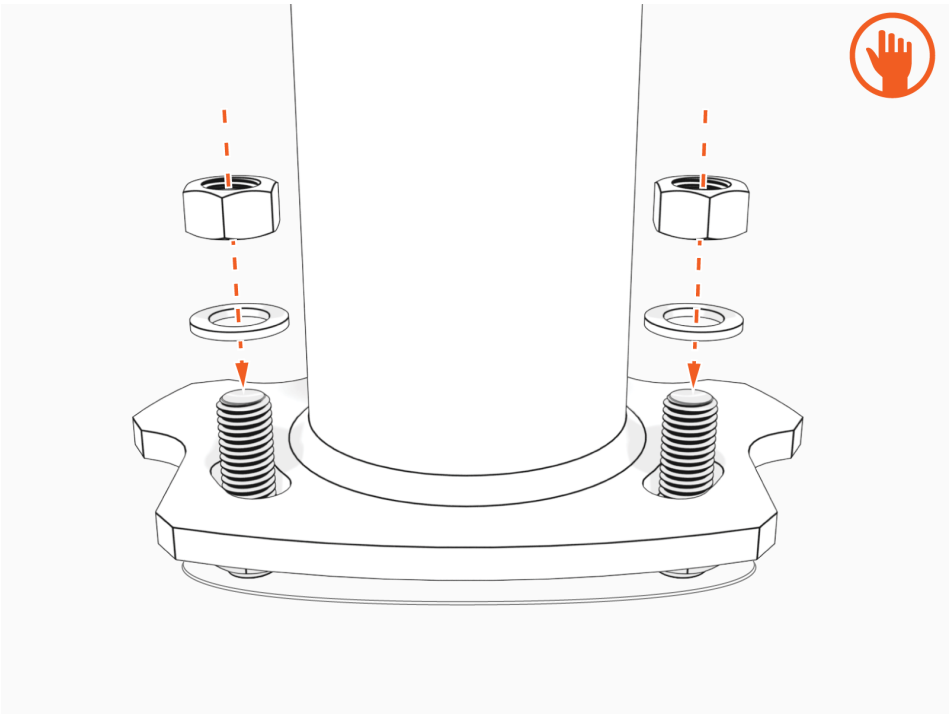
5. Place the pedestal over the conduit or armored cable and route the wiring through the pedestal.

IMPORTANT: Avoid damaging the conduit or armored cable.



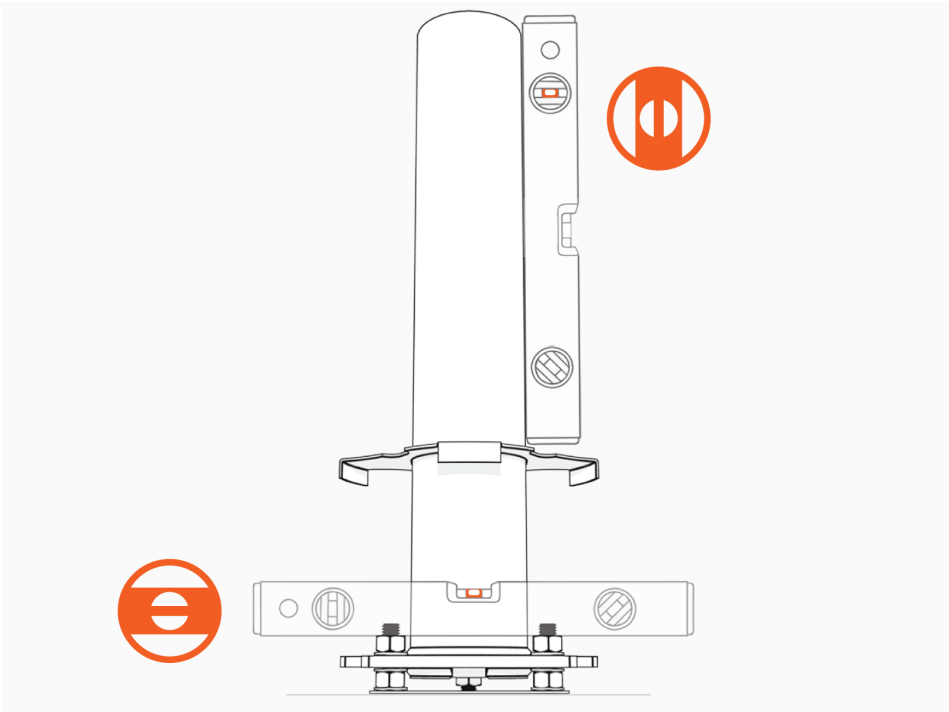
IMPORTANT: Ensure the pedestal is facing the parking space.

6. Fasten the pedestal to the bolts and hand tighten.

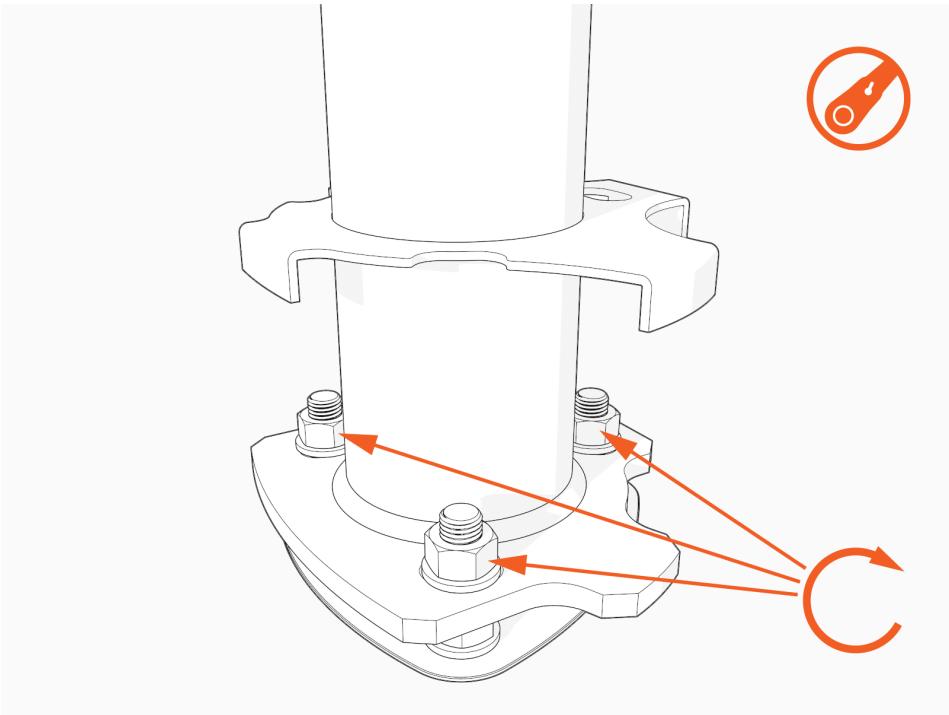


7. Ensure pedestal is level and plumb.

   Verify accuracy after each adjustment by positioning the level at various locations on the pedestal, above each bolt.

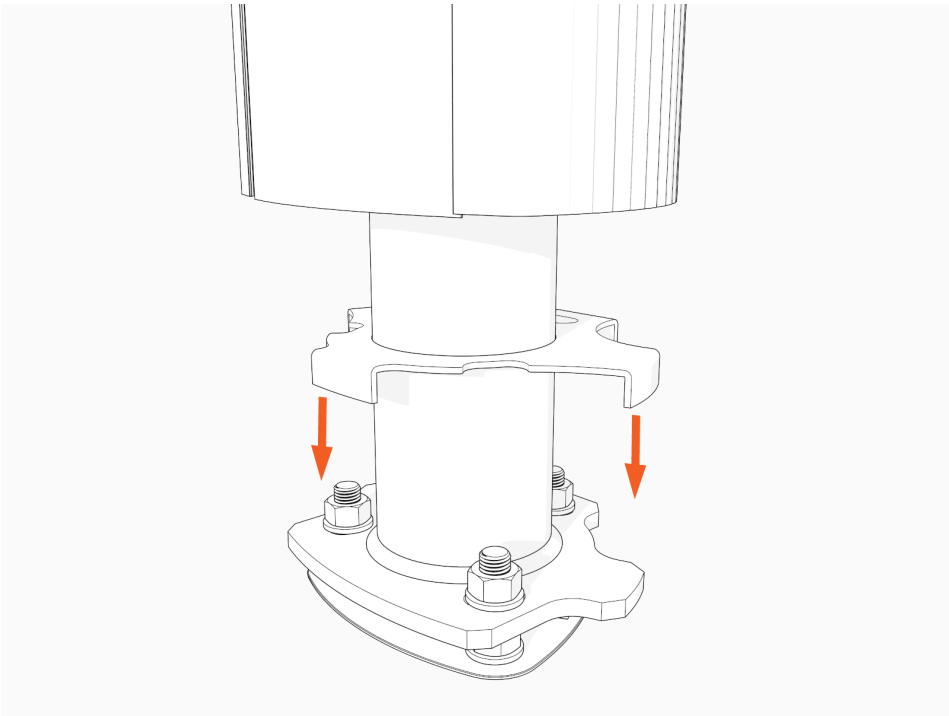


8. Torque the top nuts to **120 Nm (88 ft-lb)**.

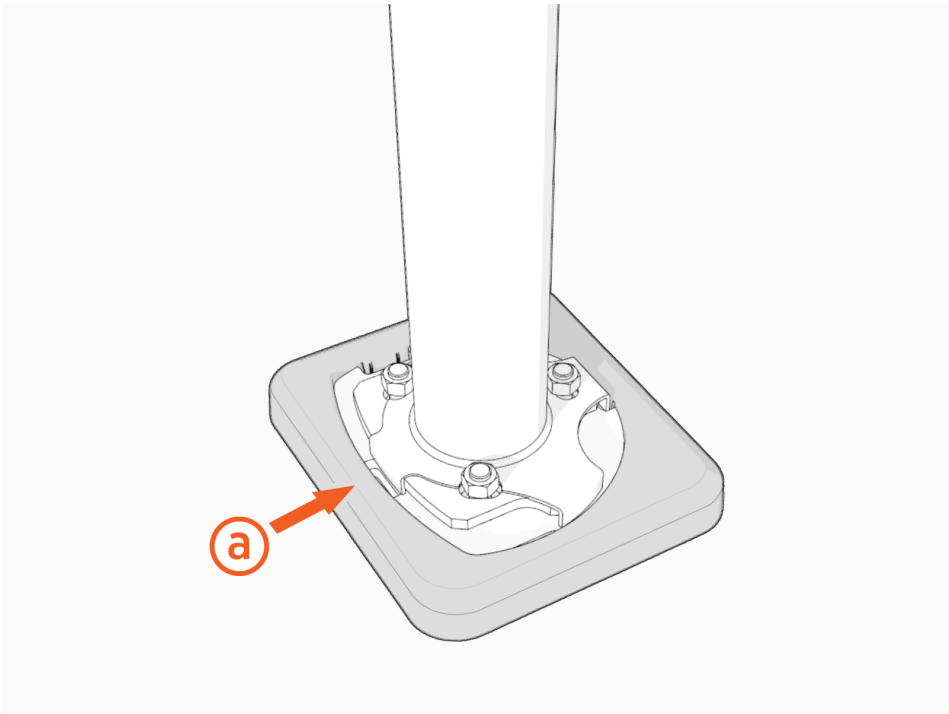


Install the Housing

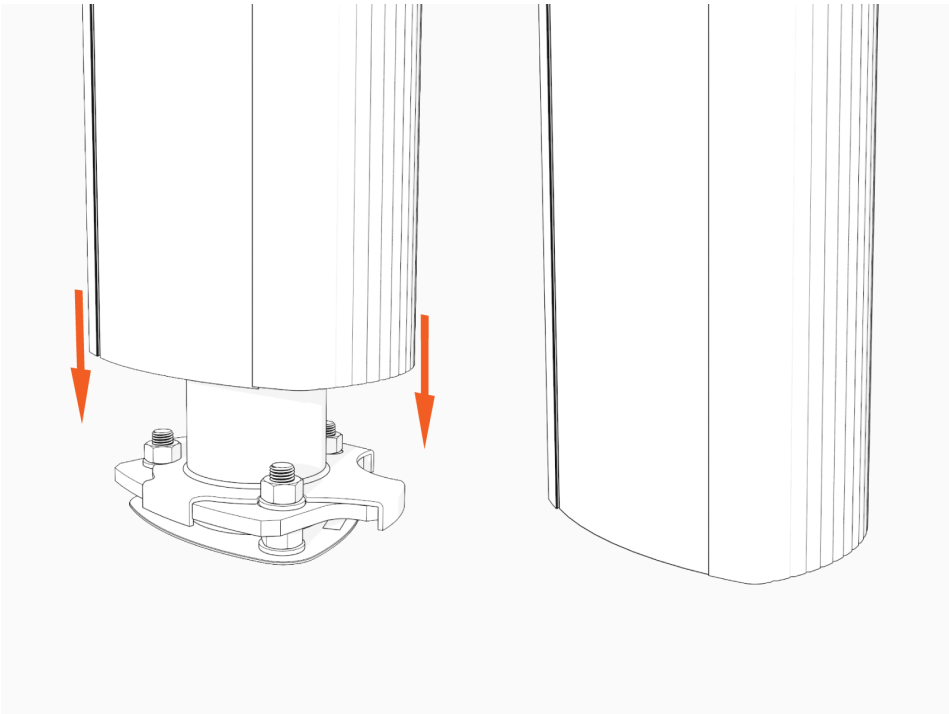
1. Align and slide the rubber spacer down.



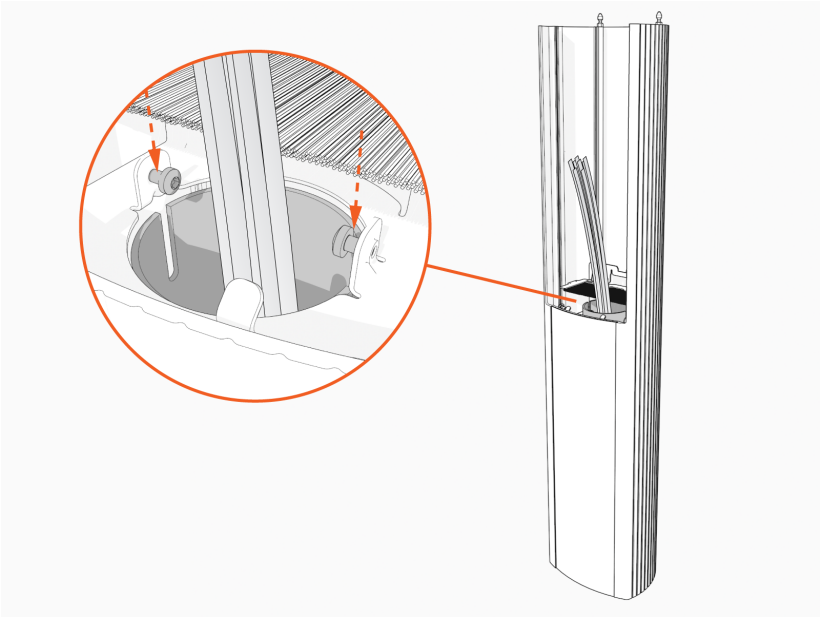
2. Optional: If replacing a CP4000, tuck the edges of the rubber spacer (a) below the black plastic cover.



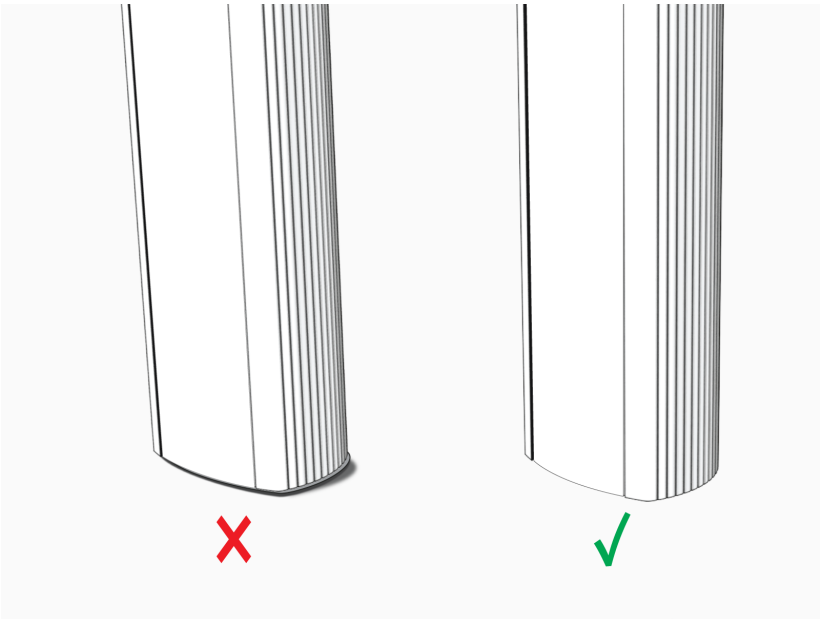
3. Slide the housing down.



4. Ensure screws are aligned.

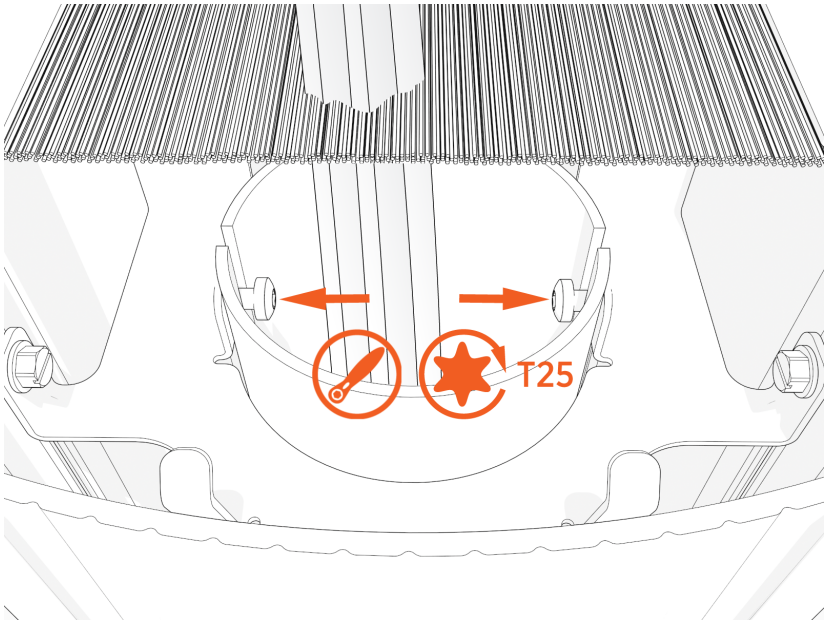


5. Firmly align pedestal to the bottom surface.



IMPORTANT: Do not seal the pedestal to the concrete pad with caulking, silicone, or other sealing material. The pedestal is designed to shed moisture between its bottom surface and the concrete pad. Sealing the pedestal to the concrete can trap water inside the housing.

6. Use the L-wrench or mini-rachet wrench to torque screws to **4.6 Nm (40 in-lb)**.



Alternative Installation: Side Mounted Conduit

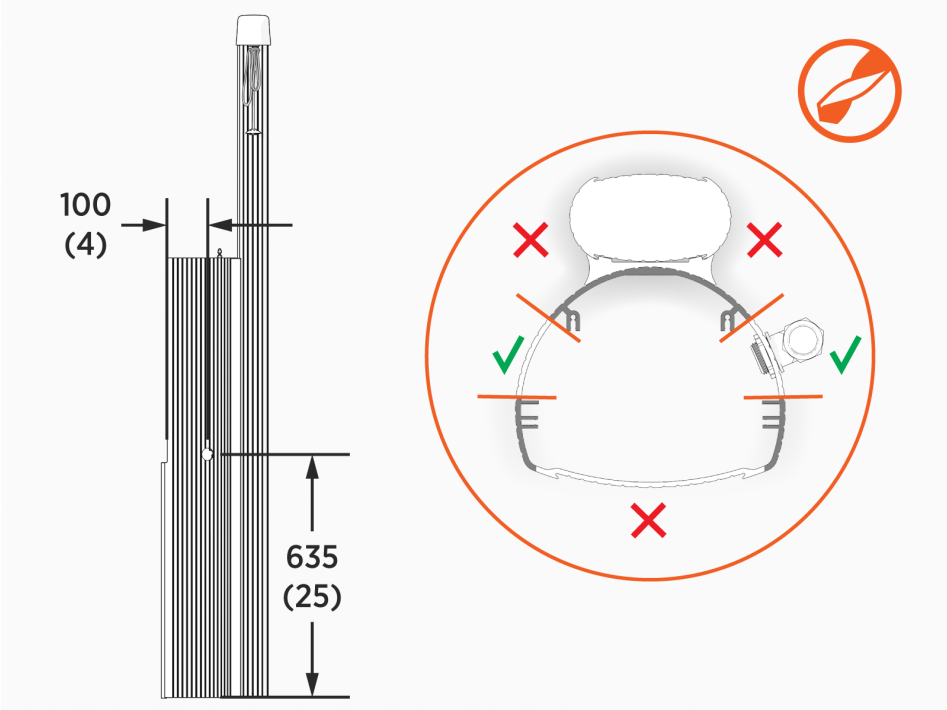
If the conduit cannot come from below the pedestal (existing concrete in a parking garage, for example), mount the pedestal and ensure it is level and tight, then follow these steps.

You need a hole saw or a knockout punch.

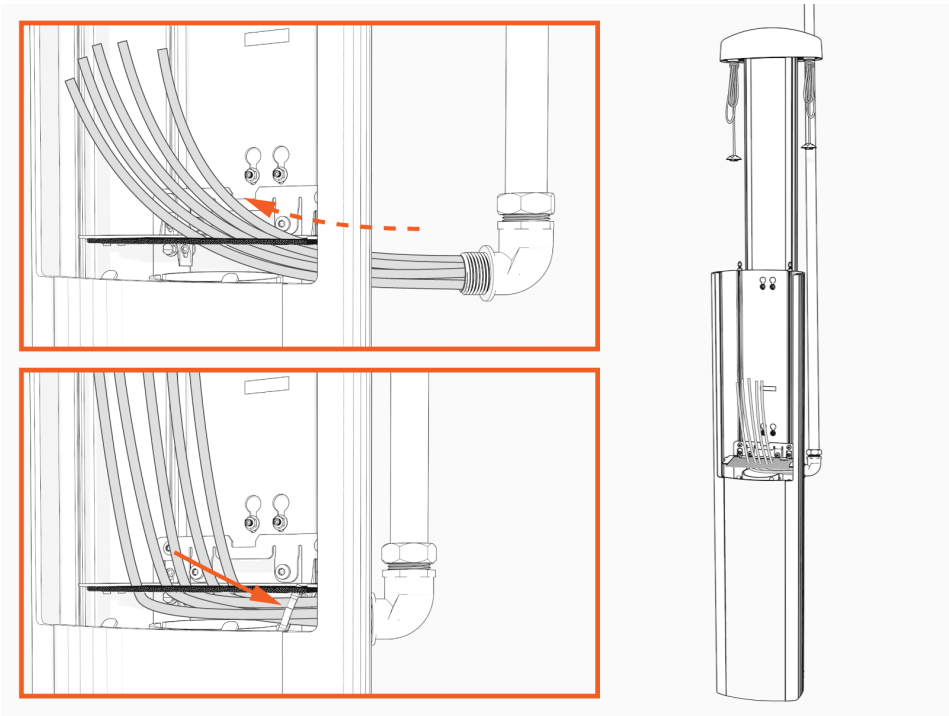
1. Mark the conduit entry point on either side of the housing. The center of the opening must be 635 mm (25 in) from the bottom and 100 mm (4 in) from the front, a location that does not intersect any internal ribs.

   Drill or punch a hole for a 32 mm (1.25 in) trade size knockout.

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



2. Pull wire through the conduit, protecting the wires from sharp edges of the internal structural components.



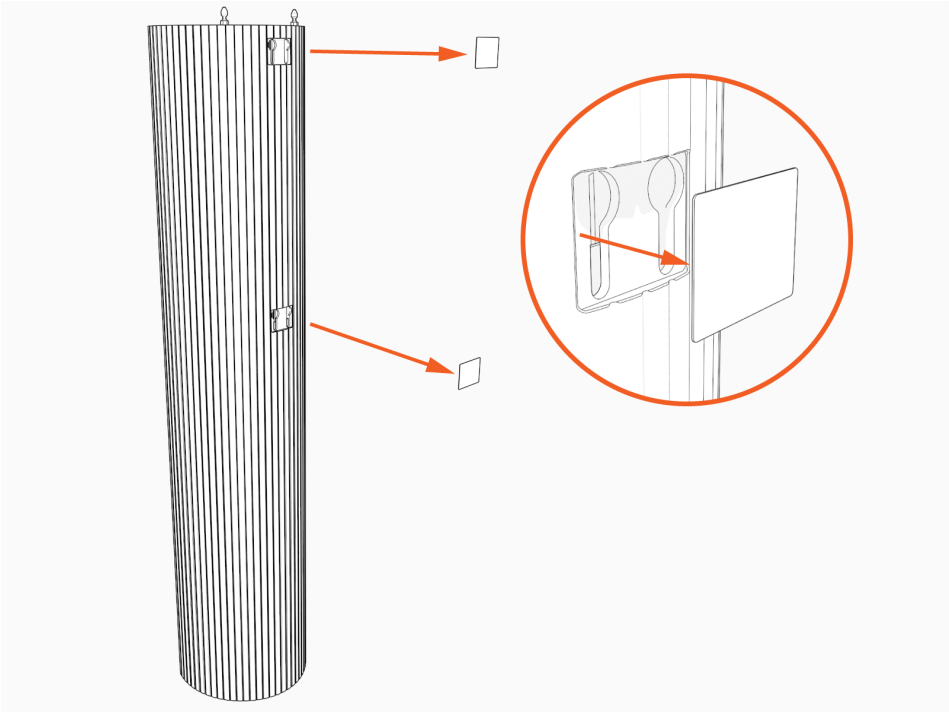
3. Seal the conduit entry into the pedestal housing using an approved sealing method that is compliant with applicable codes.

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

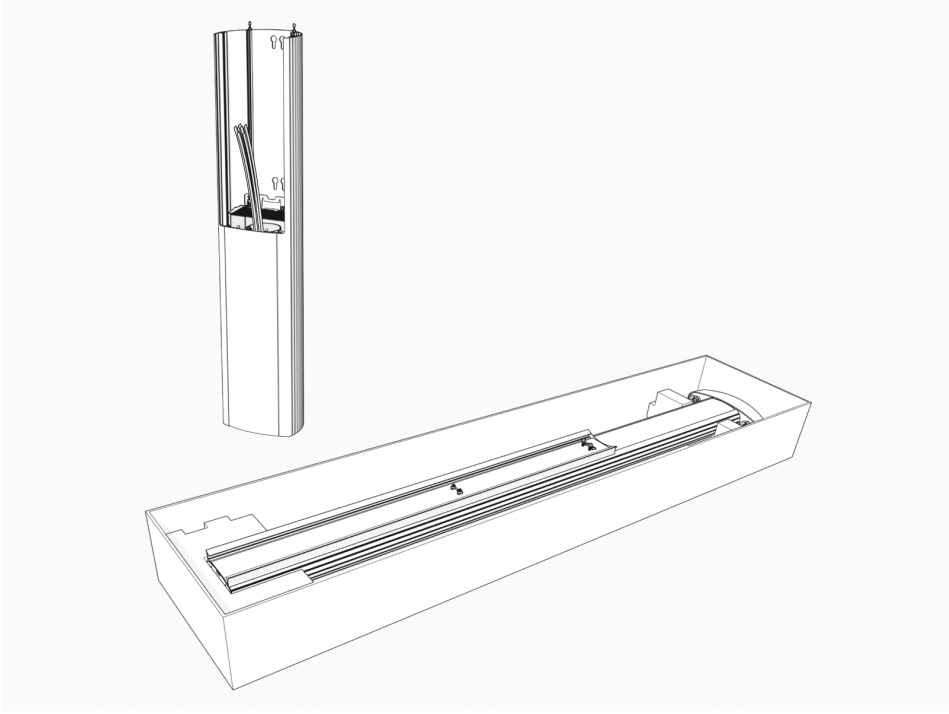
Install the CMK (Optional)

If you are not installing a CMK, go to Connect Wiring.

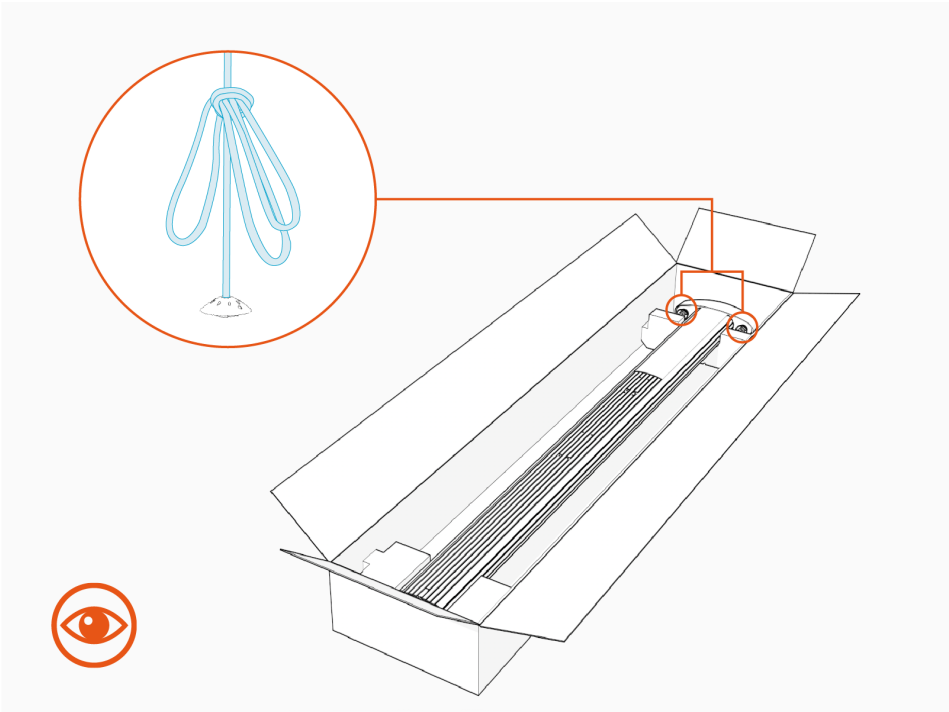
1. If present, remove the two stickers covering the holes on the back of the pedestal housing.



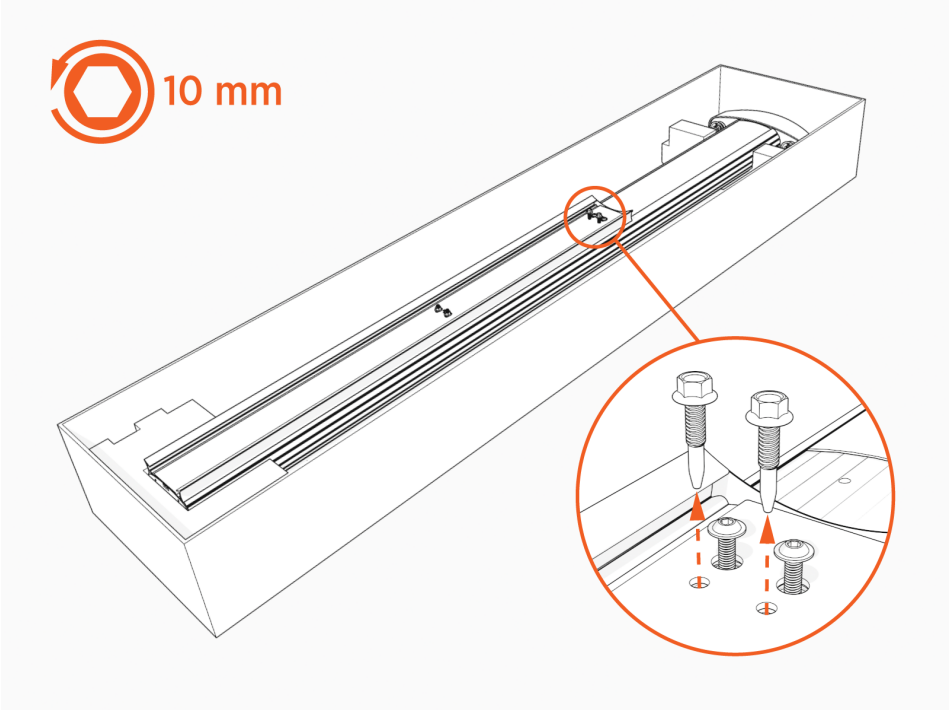
2. Unwrap and position the Cable Management Kit (CMK) packaging near the base of the pedestal.



3. If you do not see a knot tied near the top of the cable clamp rope, pull the rope out about 600 mm (2 ft) and tie a slip knot near the top of the CMK.

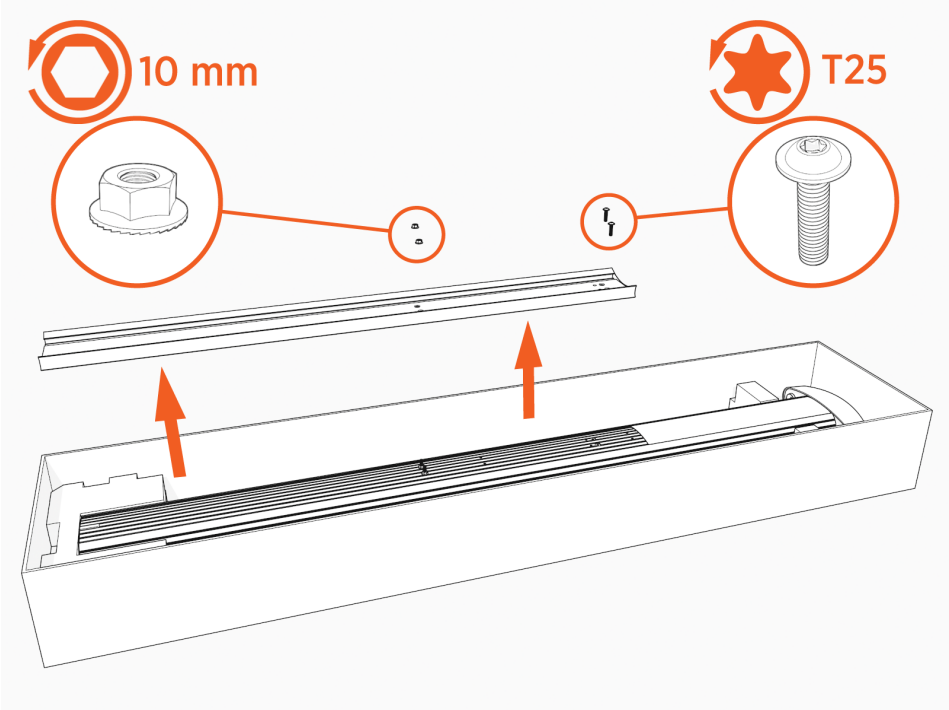


4. Remove and discard the shipping screws.

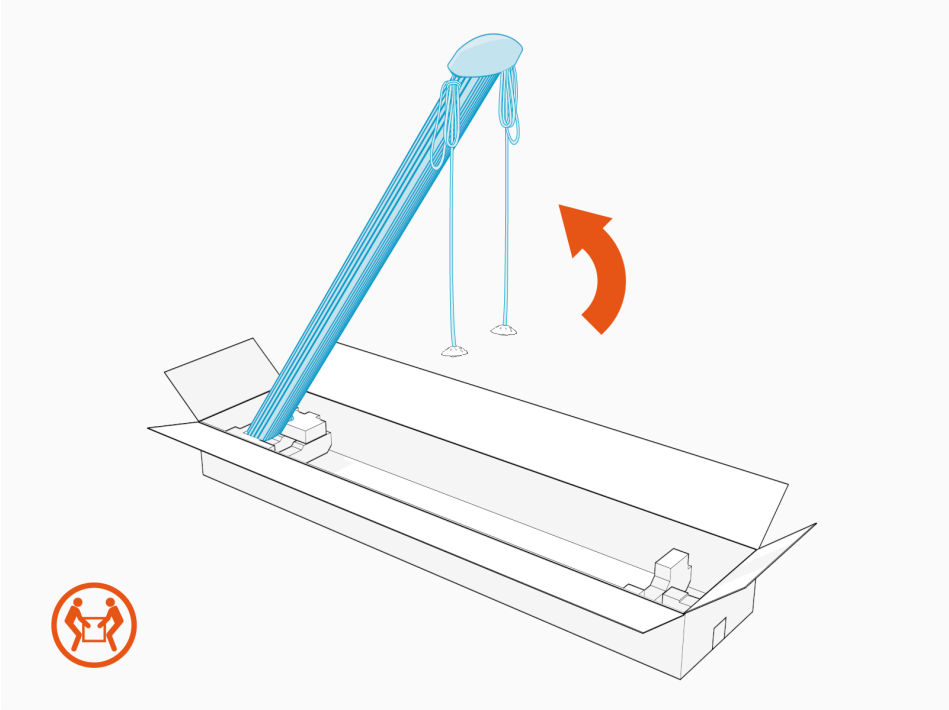


WARNING: When you remove the shipping screws, the counterweights are free to move in either direction. To prevent damage or injury, always carry the assembly with the top end higher than the bottom end.

5. If present, remove the spacer.

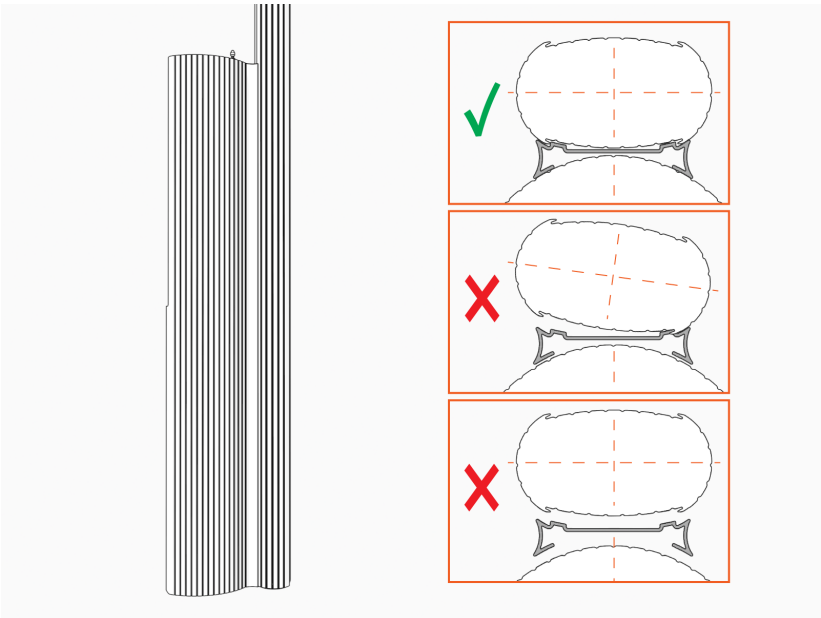


6. Stand the CMK upright slowly. The counterweights will drop.

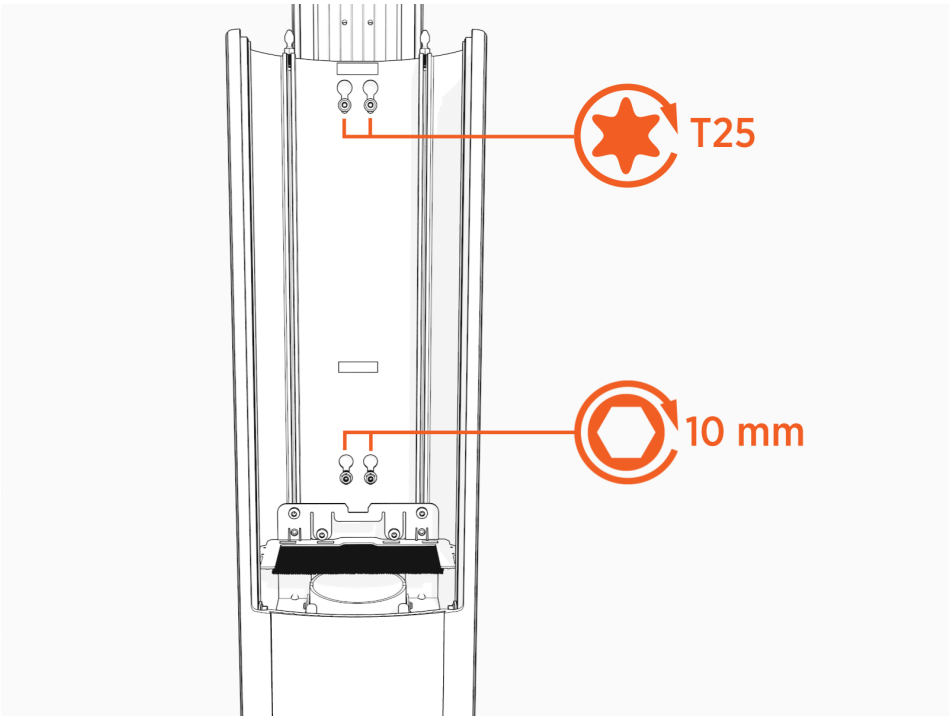


7. Place the CMK behind the pedestal housing and align the mounting screws (top) and nuts (bottom). Lower the CMK.

IMPORTANT: Make sure there is no gap next to the spacer.



8. Torque the top T25 screws to **5.7 Nm (50 in-lb)**. Use a 10 mm wrench to tighten the nuts near the bottom to **5.7 Nm (50 in-lb)**.



After installing the pedestal mount, go to Connect Wiring.

Install a Wall Mount 3

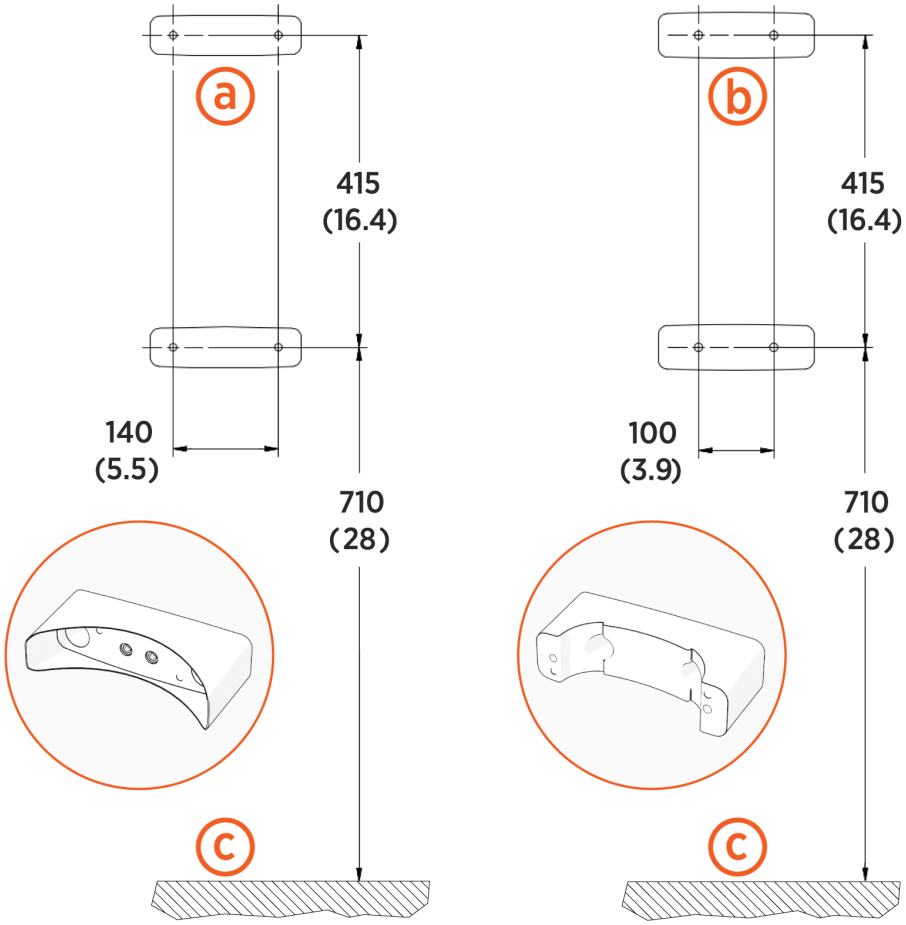
Mount the Brackets

Wall Mount Bracket Hole Locations

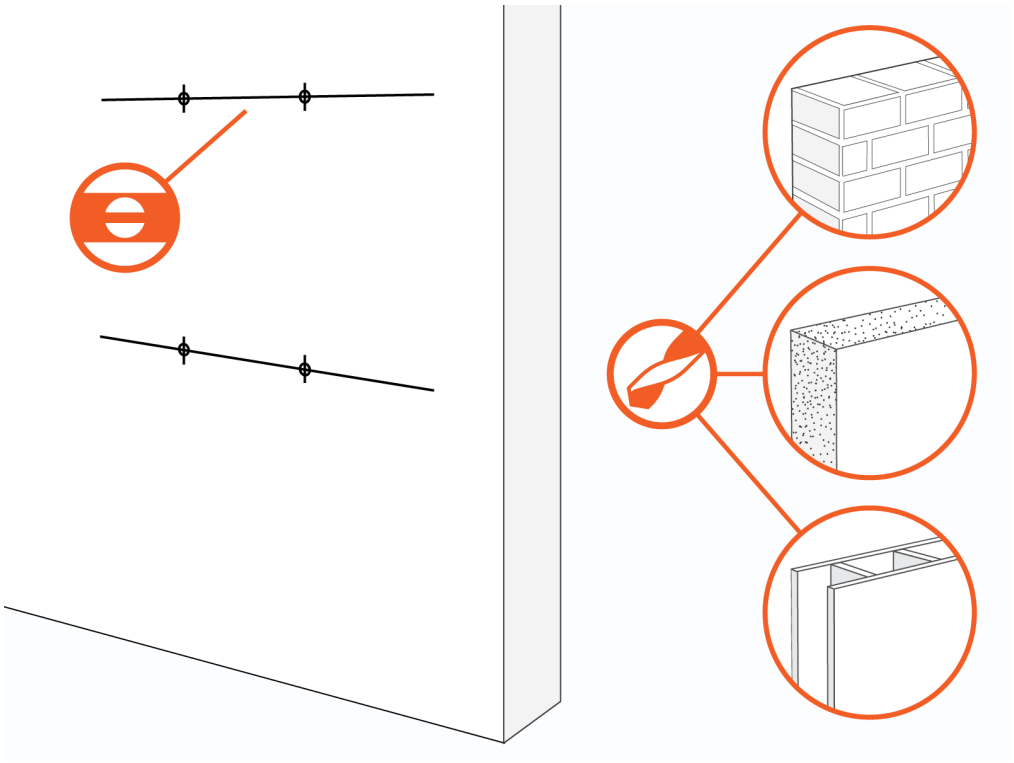
1. Select rear brackets depending on if the station will include a CMK.
2. Mark holes and ensure they are level.

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

a. Hole locations for wall mount stations without CMKs
b. Hole locations for wall mount stations with CMKs
c. Ground level

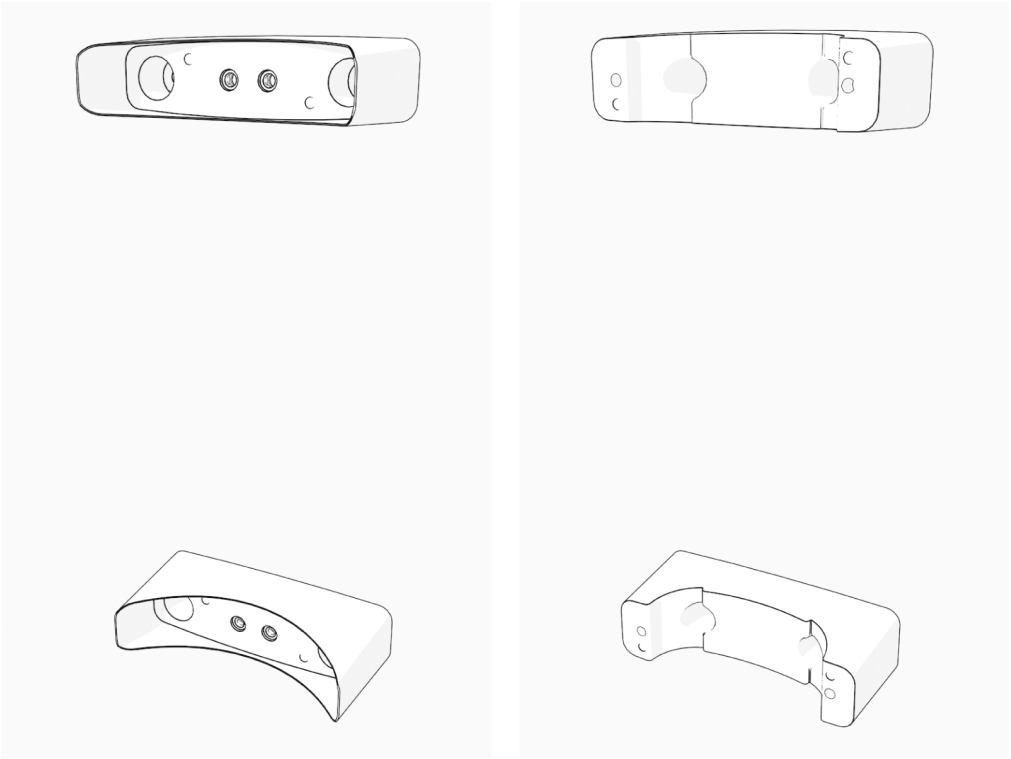


3. Use a drill and bit appropriate for the type of wall to drill four holes.
4. For masonry or concrete walls, insert masonry anchors (not included) rated for at least 318 kg (700 lb) of pull-out force.



Hollow wall	• Bridge two studs with channel strut
Wood studs	• 10 mm (3/8 in) lag bolts; at least 64 mm (2-1/2 in) long • 10 mm (3/8 in) washers, • Appropriate channel strut nuts
Masonry wall	• 10 mm (3/8 in) expanding masonry fasteners
Wood wall	• 10 mm (3/8 in) x 75 mm (3 in) lag bolts

Mount brackets and ensure they are level.

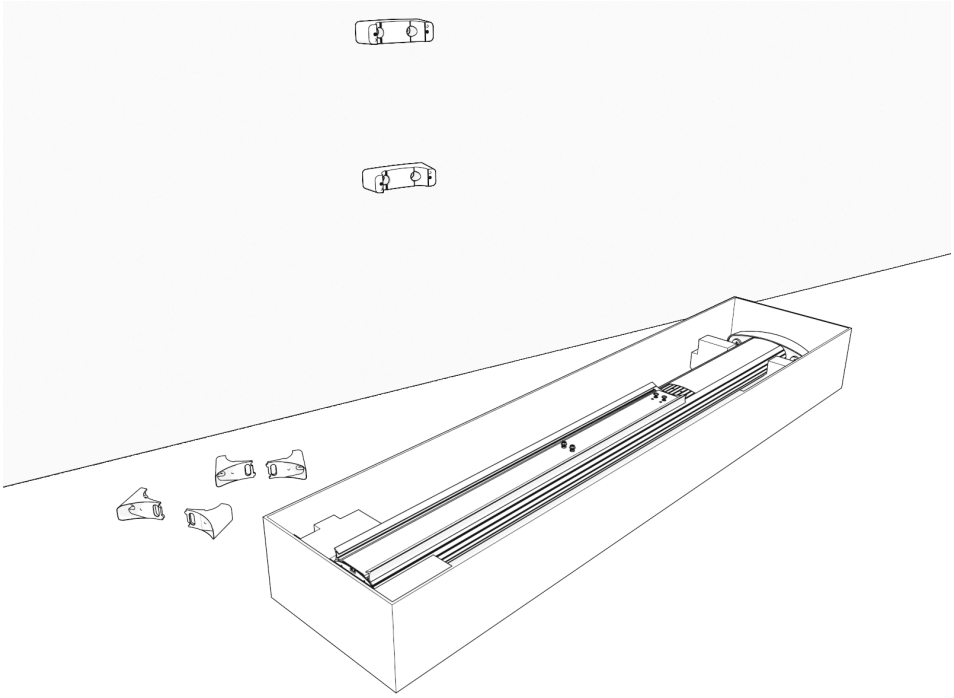


Mount the CMK (Optional)

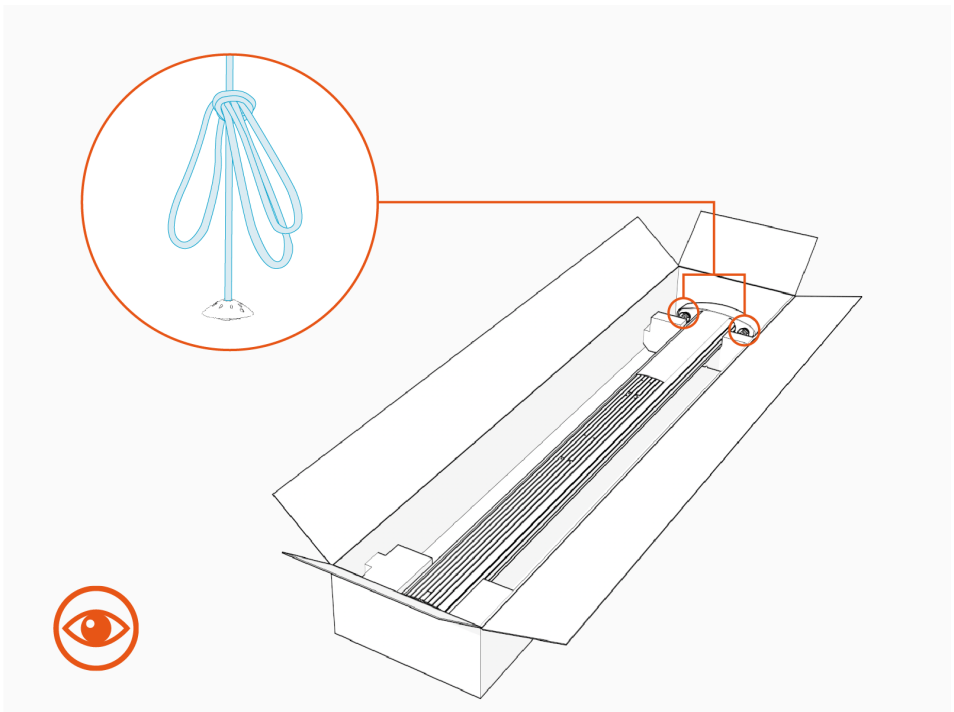
NOTE: If you are not installing a CMK, go to Prepare the Housing.

1. Position the Cable Management Kit (CMK) packaging near the wall.

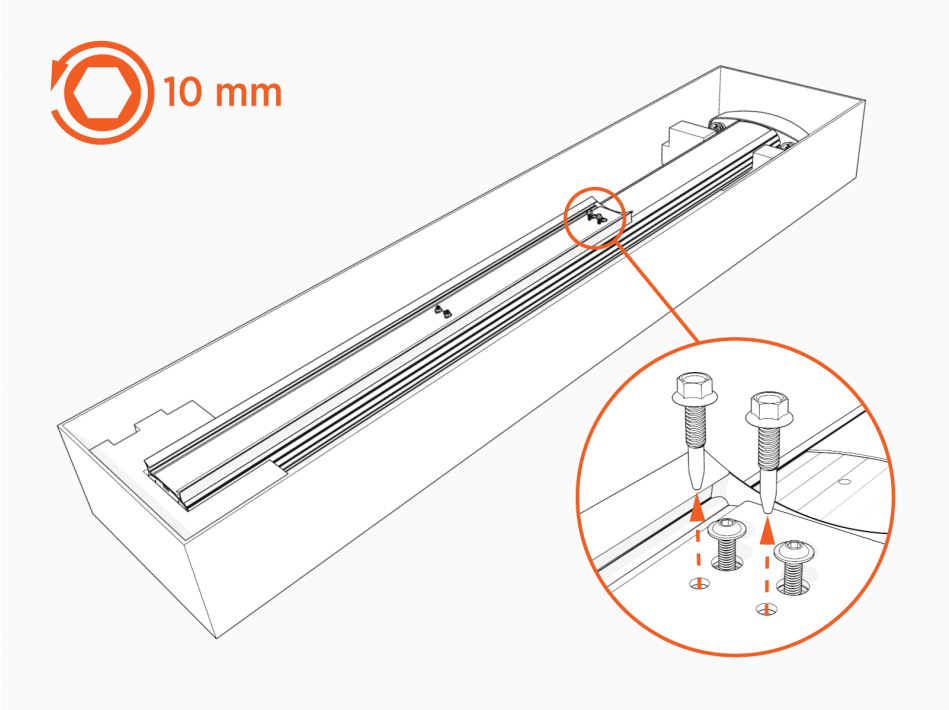
   Place the front brackets within reach.



2. If you do not see a knot tied near the top of the cable clamp rope, pull the rope out about 600 mm (2 ft) and tie a slip knot near the top of the CMK.

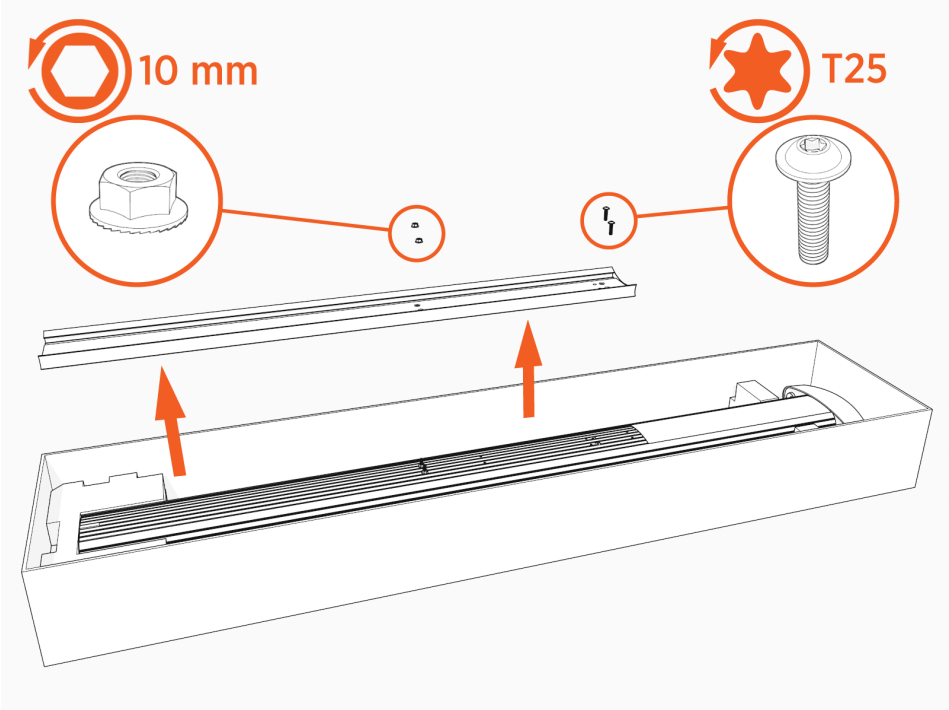


3. Remove and discard the shipping screws.

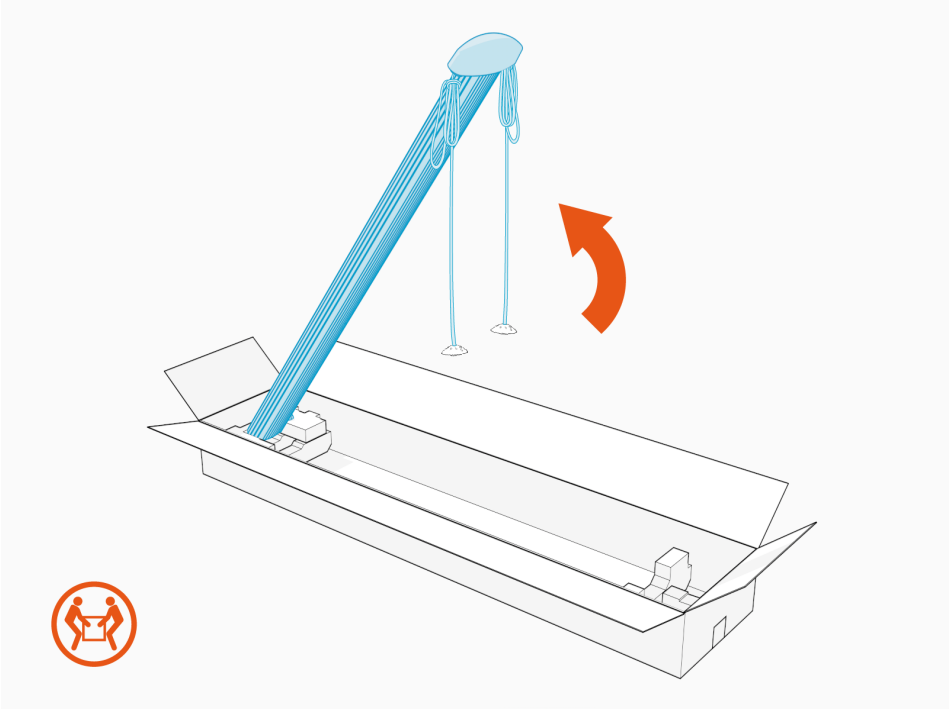


WARNING: When you remove the shipping screws, the counterweights are free to move in either direction. To prevent damage or injury, always carry the assembly with the top end higher than the bottom end.

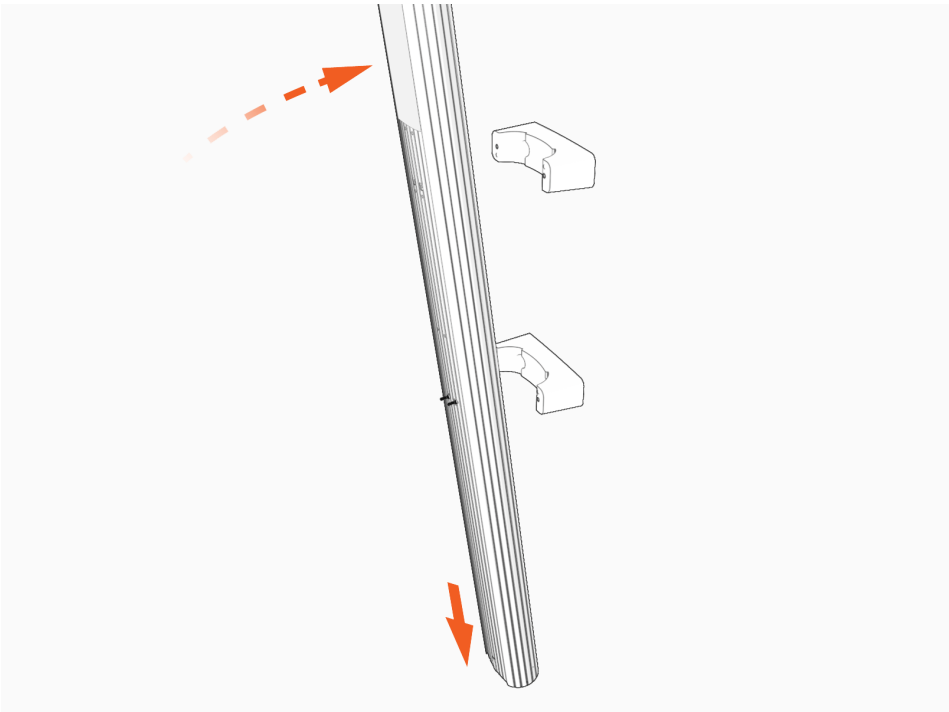
4. If present, remove the spacer.



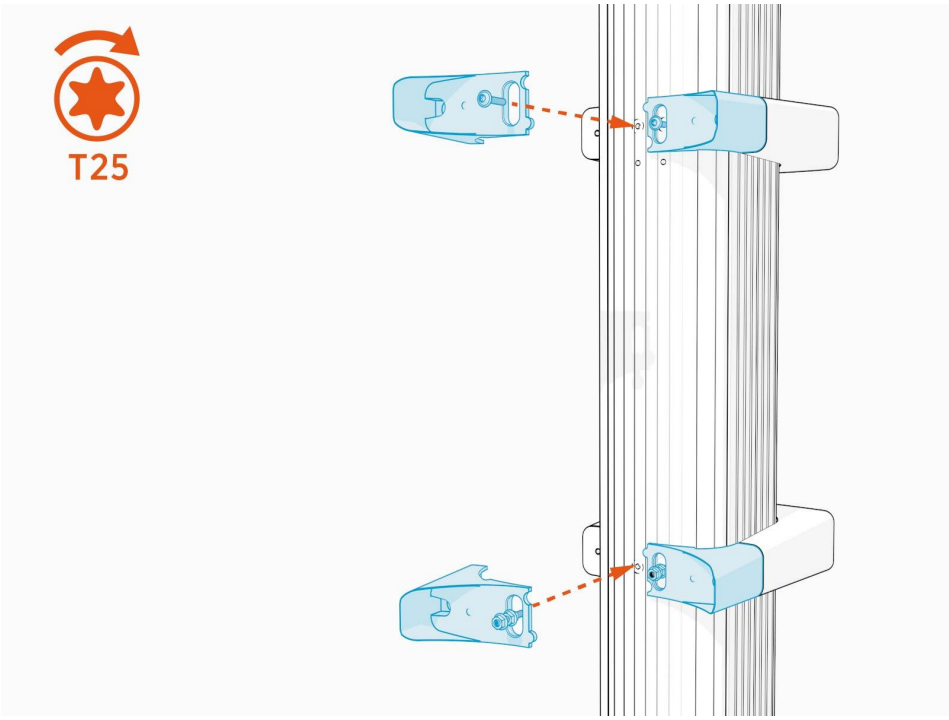
5. Stand the CMK upright slowly. The counterweights will drop.



6. Tilt the CMK up against the rear brackets, rest the bottom on the ground and steady with one hand while using the other to position the top front bracket.

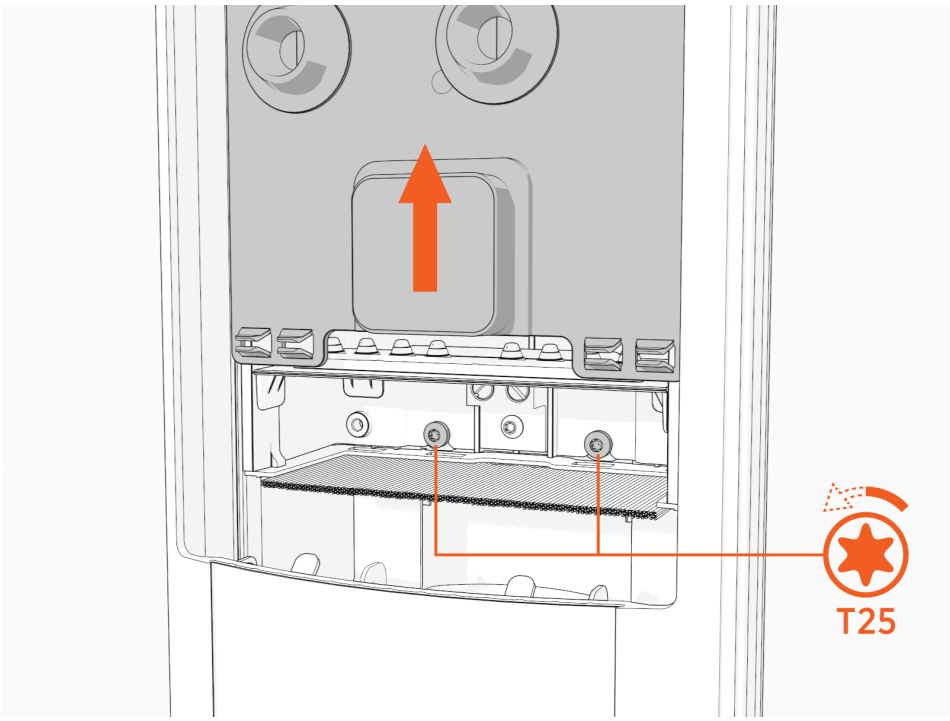


7. Only stations with CMKs: Align both sets of brackets. Insert the screws and torque to **7 Nm (5 ft-lb)**.

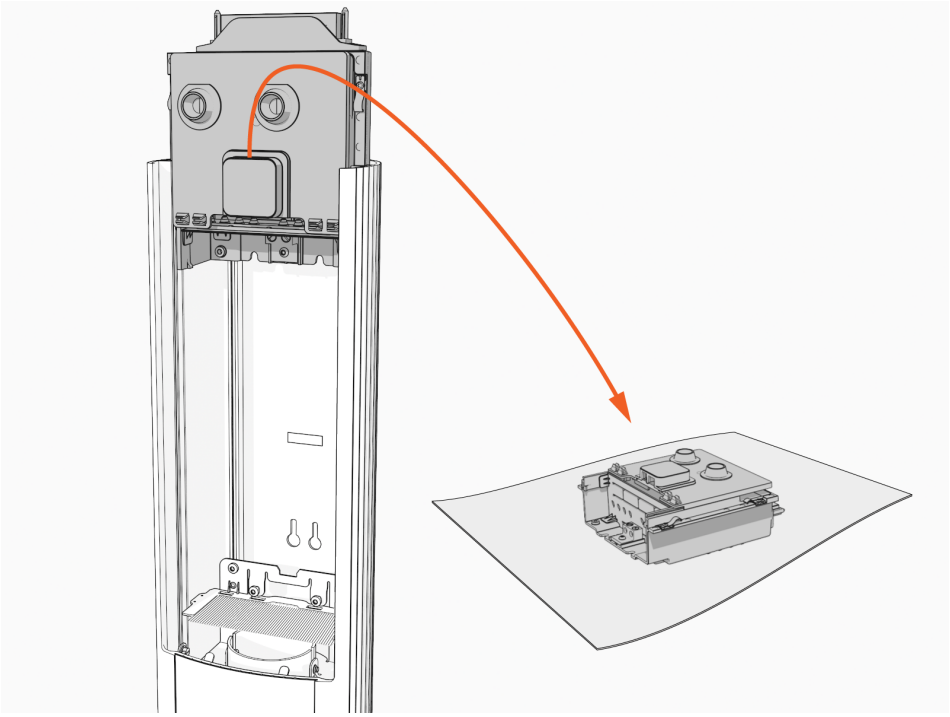


Prepare the Housing

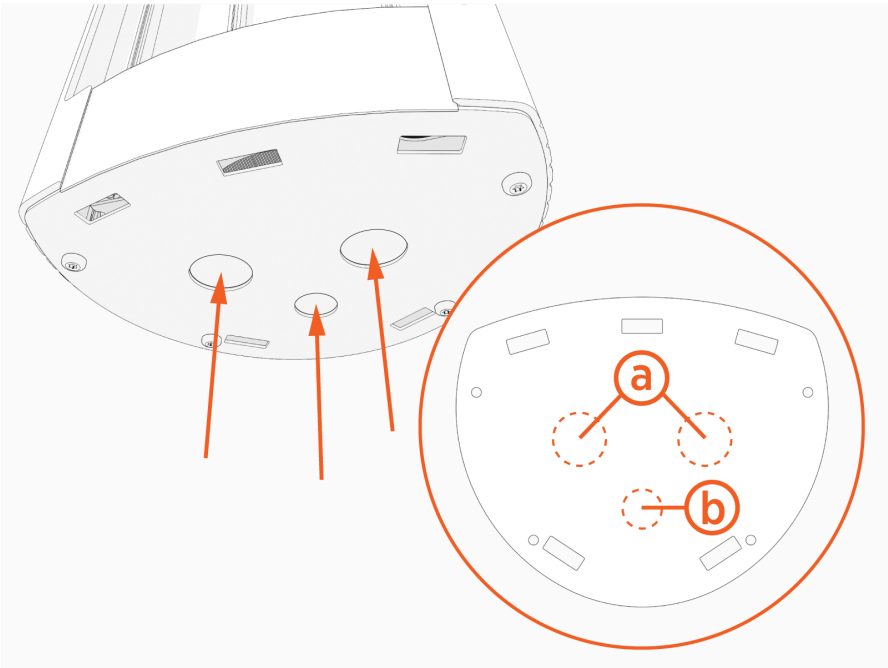
1. Lift the power plate cover. Loosen, but do not remove, two screws.



2. Move the power plate and set it gently on a padded surface.



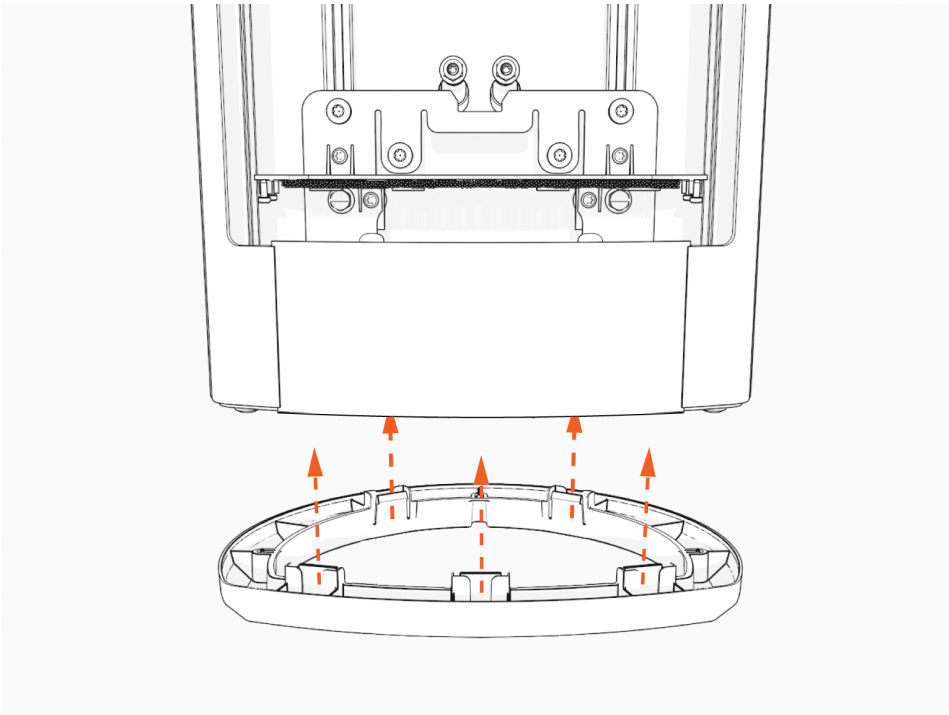
3. Drill or use the knockouts in the housing to create holes for the conduit. If drilling holes, drill near the center of the lower housing plate.
    a. 33 mm (1.3 in) knockout
    b. 24 mm (0.95 in) knockout (optional Ethernet wiring)



Maximum sizes for larger conduit:

- Two 40 mm (1.5 in) conduits or two 5 x 16 mm^2 armored cables (power in), 0.75 inch conduit (optional Ethernet)
- One 68 mm (2.5 in) conduit or one 5 x 25 mm^2 armored cable (power in), 0.75 inch conduit (optional Ethernet)

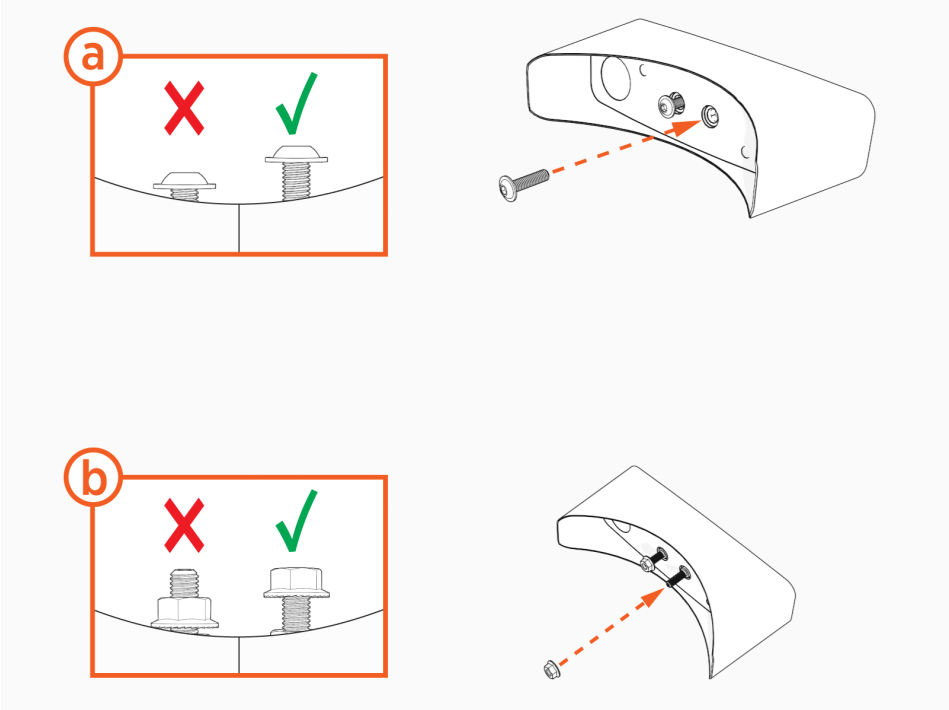
4. Snap lower bracket onto station.



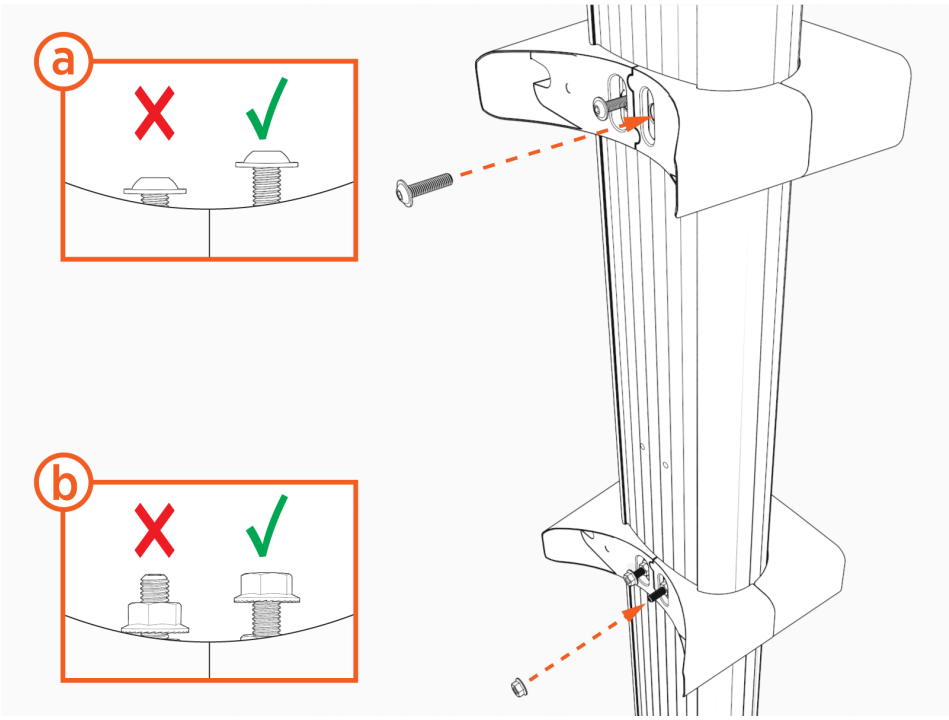
Install the Housing

1. Insert two flange bolts (a) half way through the upper bracket.
2. Insert two threaded posts and nuts (b) on the bottom bracket.

Without CMK

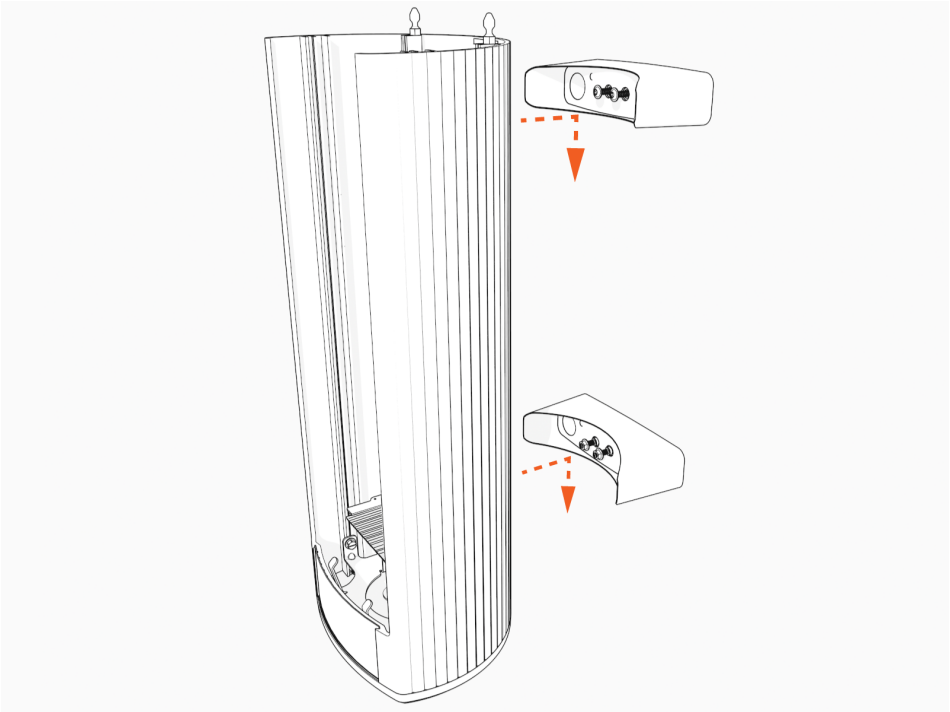


With CMK

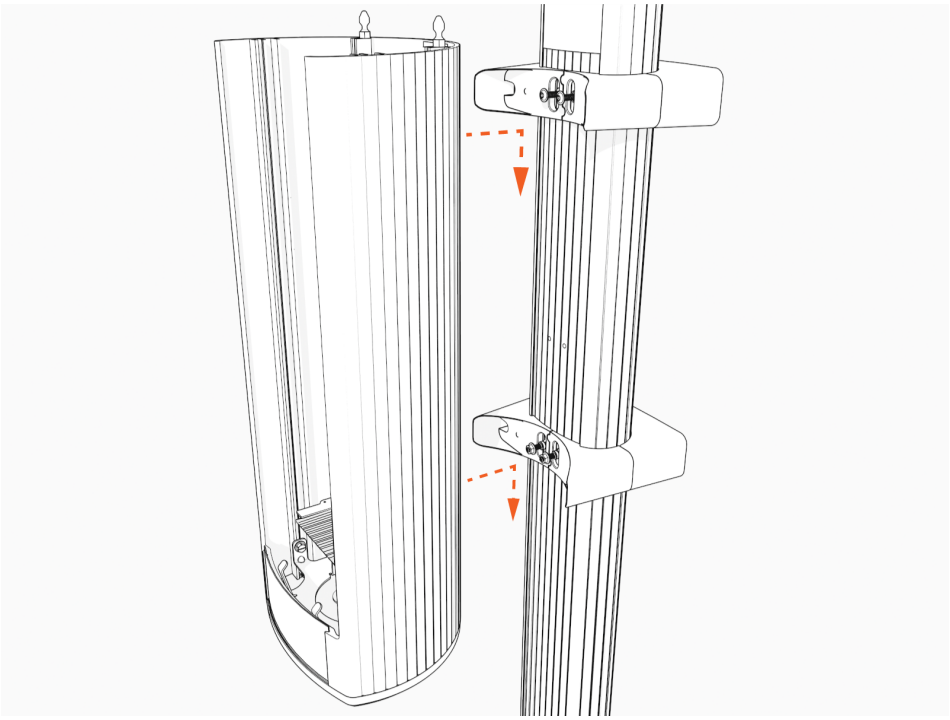


3. Align the mounting screws (top) and nuts (bottom) and hang the housing.

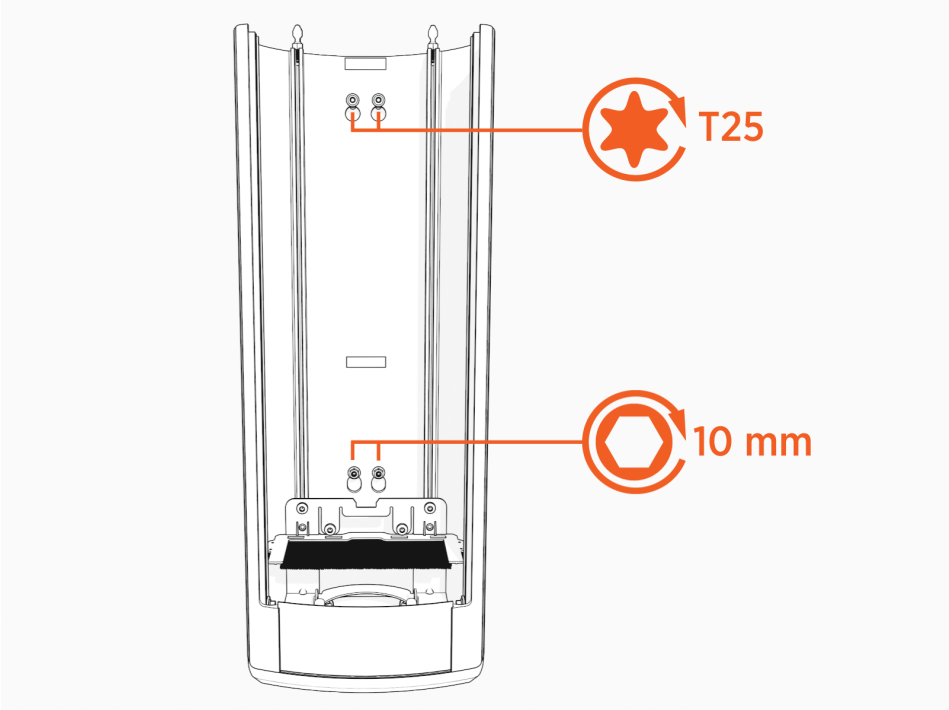
Without CMK



With CMK



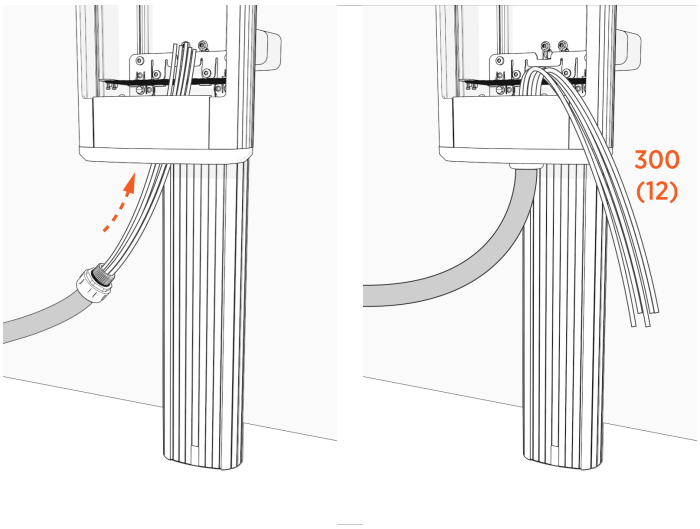
4. Use L-wrench or mini-rachet wrench to torque two flange screws (upper) and two preinstalled nuts (lower) to **5.7 Nm (50 in-lb)**.



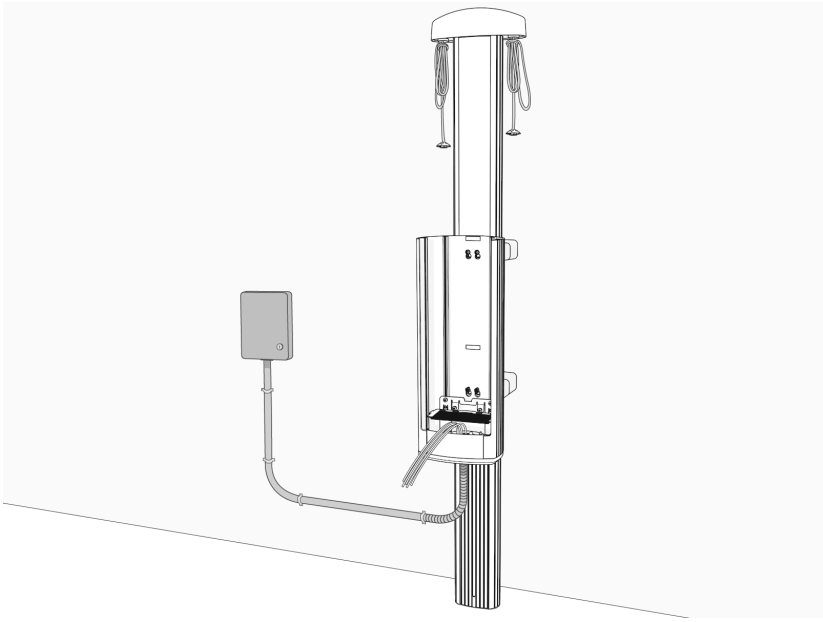
Install the Conduit

1. Feed conduit or armored cable through lower station bracket and into station.

   The length of wire available from the end of the conduit or the wall mount base must be at least 300 mm (12 in).



2. Select the appropriate gland or hardware and sealant, if applicable, to attach the conduit to the station.



IMPORTANT: Install and seal the conduit following local codes.

After installing the wall mount, go to Connect Wiring.

Connect Wiring 4

CAUTION: Use copper conductors only.

The CP6000 is fitted with up to 30mA Type A RCD and 6 mA DC leakage protection per port.

If local codes require the use of supplementary residual current protection for fault protection upstream, ChargePoint recommends using an appropriately sized Type A, Type F, or Type B RCD with 100mA tripping current to avoid false trips.

Use breakers best suited for the maximum current draw set per station.

Use new circuit breakers only.

Ensure all power and ground connections (especially those at the breaker) are clean, tight, and torqued to specification. Remove all oxide from all conductors and terminals before connecting wiring.

The CP6000 includes overcurrent protection which disconnects the outlet if the current is more than or equal to 1.25 times the maximum current set.

NOTE: The maximum wiring size permitted for single input is 25 mm2. Check local regulations.

CP6000 configuration includes either RCCBs or RCBOs. Configurations with RCBOs include short-circuit protection per charging port, with a nominal current of 40 A and Curve C type.

For the upstream protection breaker, ChargePoint recommends using Curve C Miniature Circuit Breakers (MCB) and must be rated as follows:

- 20 A for a 16 A single or three phase charging station
- 25 A for a 20 A single or three phase charging station
- 32 A for a 25 A single or three phase charging station
- 40 A for a 32 A single or three phase charging station
- 63 A or 80 A for a 63 A three phase charging station

NOTE: The MCB must open all live conductors (including the Neutral).

Phases	Maximum current per output (A)	Number of outputs	Maximum current input (A)	Power input (kW)	Breakers required	Minimum panel size for single input (A)	Minimum panel size for dual input (A)
Single	16	1	16	3.7	1	20	n/a
Single	20	1	20	4.6	1	25	n/a
Single	25	1	25	5.8	1	32	n/a
Single	32	1	32	7.4	1	40	n/a
Single	16	2	32	7.4	1 or 2	40	20
Single	20	2	40	9.2	1 or 2	50	25
Single	25	2	50	11.5	1 or 2	63	32
Single	32	2	63	14.5	1 or 2	63	40
Three	16	1	16	11.0	1	20	n/a
Three	20	1	20	13.8	1	25	n/a
Three	25	1	25	17.3	1	32	n/a
Three	32	1	32	22.1	1	40	n/a
Three	16	2	32	22.1	1 or 2	40	20
Three	20	2	40	27.6	1 or 2	50	25
Three	25	2	50	34.5	1 or 2	63	32
Three	32	2	63	44.2	1 or 2	63	40
Three	32	2	80	44.2	1 or 2	80	40

Configure Cable (Circuit) Sharing

Cable sharing refers to a single circuit supplying power to two ports on the station.

IMPORTANT: If the station is not being configured for cable (circuit) sharing, go to Install the Power Plate.

CP6000 charging stations can be installed with single cable feeding both ports (circuit share) or with dual cables, one for each port.

CAUTION: Due to overcurrent requirements, a single cable feeding two ports does not comply with local regulations in all markets. Check local regulations and rules at the installation location to ensure compliance and safe operation.

IMPORTANT: All CP6000 charging stations include L1 - L2 circuit share power management jumpers. If a single three-phase supply circuit is feeding a dual port station, install the L1 - L2 jumper. This offers local phase rotation between the two

charging ports to distribute and balance charging loads across the supply phases. If a single supply circuit is feeding a dual port station, you MUST install power management jumpers for both ports to operate correctly.

For assistance, go to chargepoint.com/support and contact technical support using the appropriate region-specific number. Order power management jumpers from Support if required.

CP6000 charging stations comes with two options:

- Residual Current Circuit Breaker (RCCB) per charging port or
- Residual Circuit Breaker with Overload Protection (RCBO) per charging port

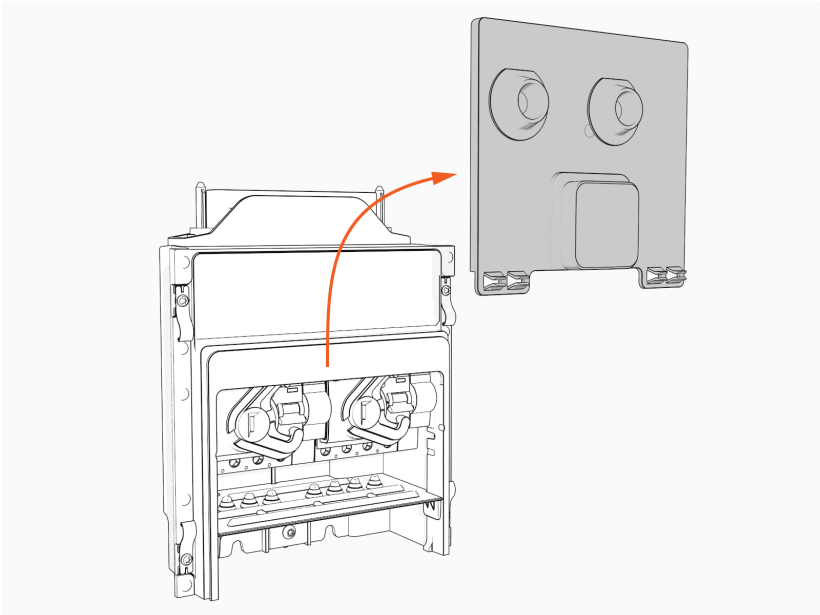
Talk to your local ChargePoint contact and agree on the best solution for the installation.

When choosing RCBO, a single input cable can be supplied to the charging station because of the share power management jumpers. The upstream cable will also be protected according to the national wiring regulations.

When choosing RCCB in certain countries, local wiring regulations will require that these stations shall be connected with two input power cables and an additional upstream Miniature Circuit Breaker (MCB). Make sure to follow the local regulations considering the maximum current delivered per charging port.

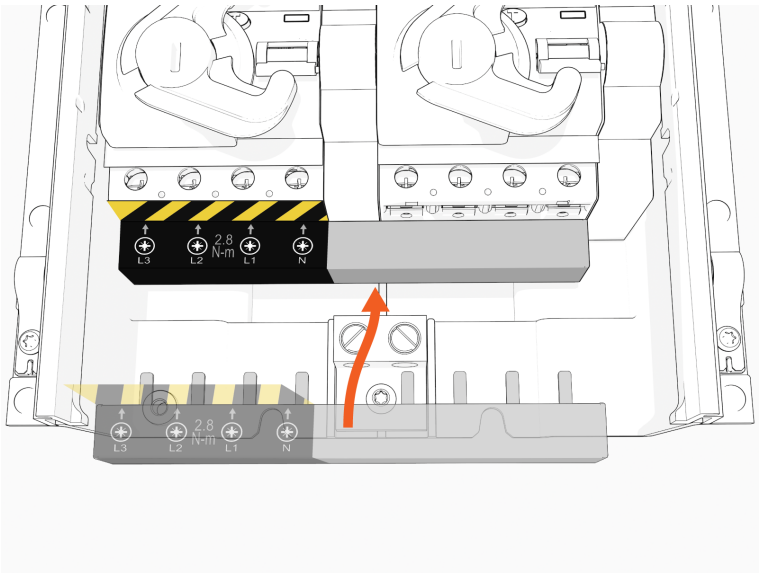
If an upstream RCD will be used, ensure that the RCD fulfills the selectivity criteria. Either 30 mA (s) with selective tripping characteristic or 100 mA are required so both RCDs (RCCB in station and RCD in upstream circuit board) will be connected in series.

1. Slide the power plate cover up and gently set it aside.



2. Install the jumper.

NOTE: Jumpers for RCBO and RCCB breakers look slightly different; however, the installation is the same.

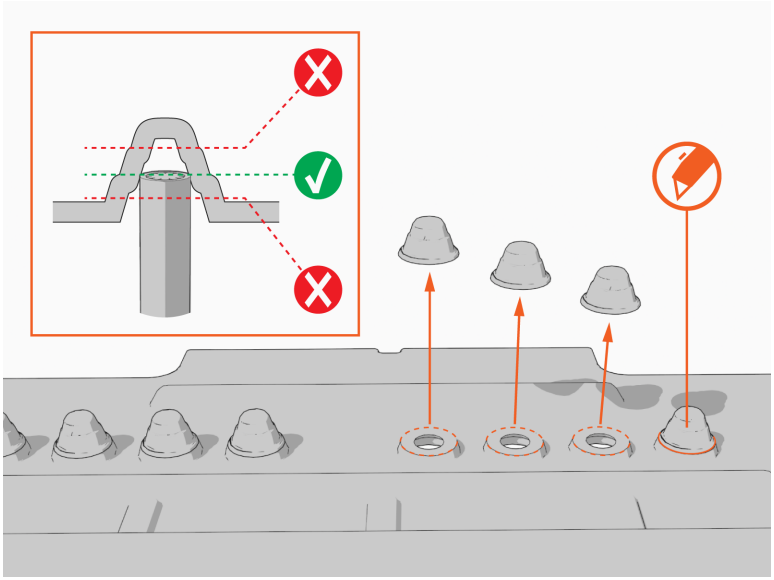


WARNING: Install a jumper only when one circuit feeds both ports. Installing a jumper while feeding a circuit to each port could result in shorting occurring across the lines.

a. Measure the diameter of the wires.

b. Snip holes in the nubs on the black rubber shield.

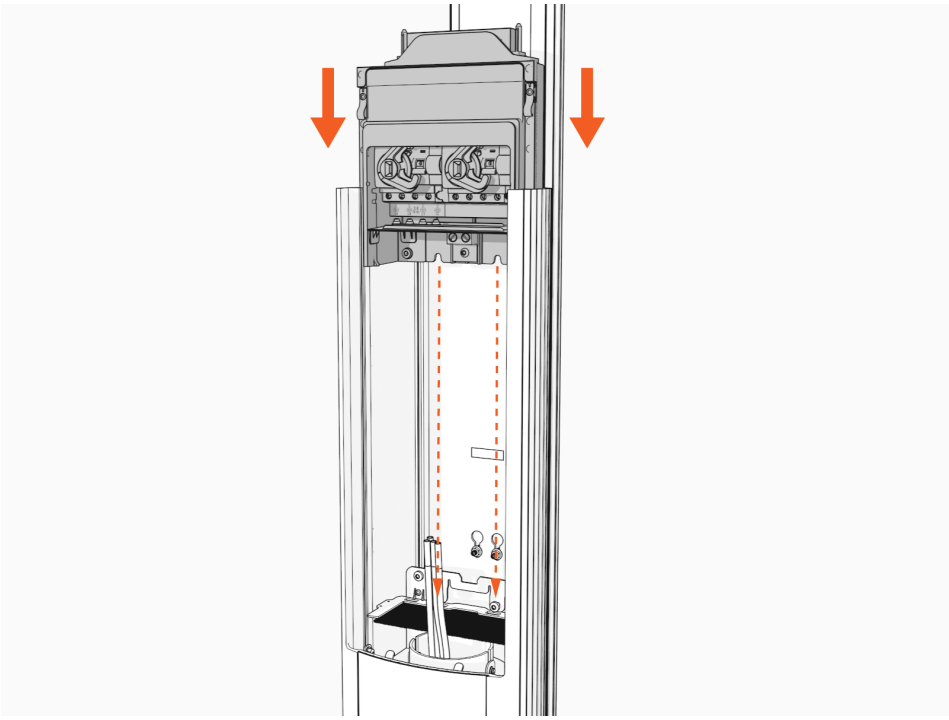
   Holes must be at appropriate heights to allow wiring to pass through the rubber shield and into the terminal block.



c. Ensure the wires can slide through the holes after snipping the nubs.

Install the Power Plate

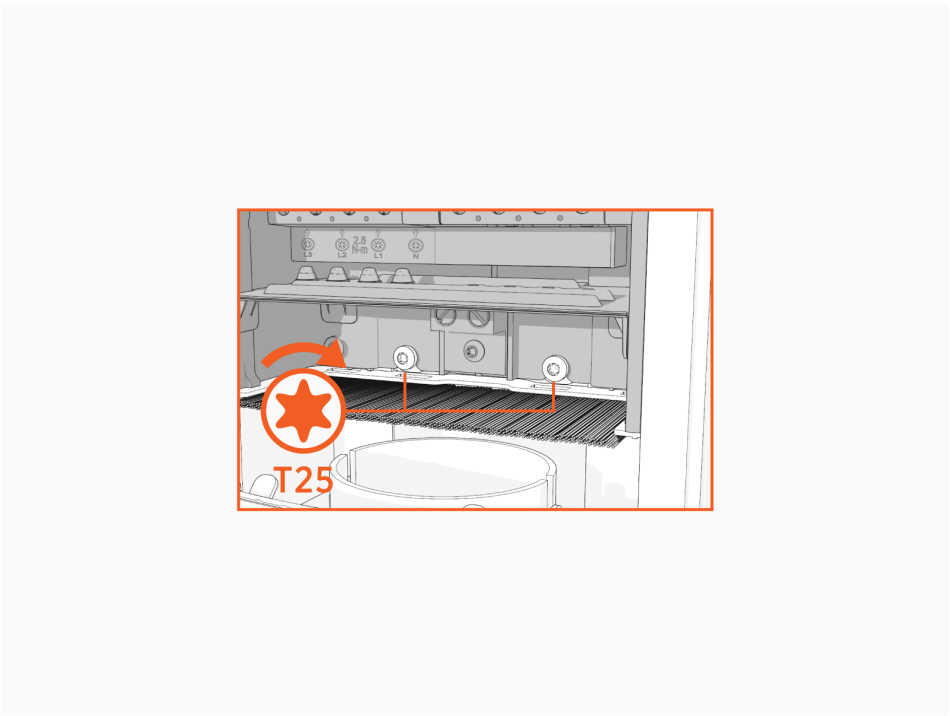
1. Align the power plate with the housing and slide it down until it touches the metal bracket.



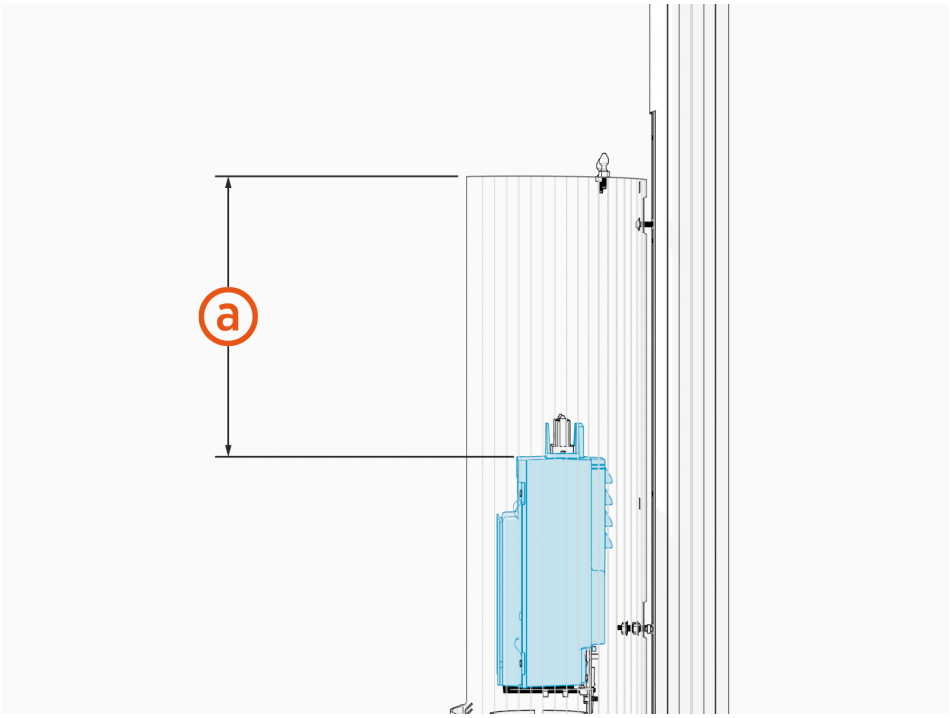
IMPORTANT:: Avoid damaging the shunt trip cables when routing.

2. Ensure the power plate is seated correctly.

3. Using a T25 torque driver, torque the screws to 5.7 Nm (50 in-lb) to secure the power plate.



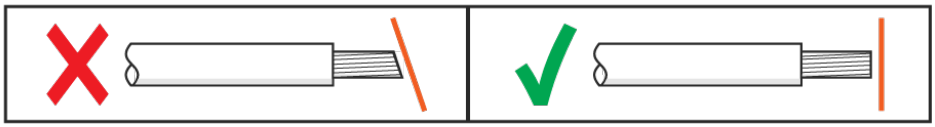
4. Ensure the power plate is fully seated. If the distance from the top of the power plate to the top of the pedestal does not equal 286 +/- 1 mm (11.26 in) (a), contact ChargePoint Support.



Connect the Wiring

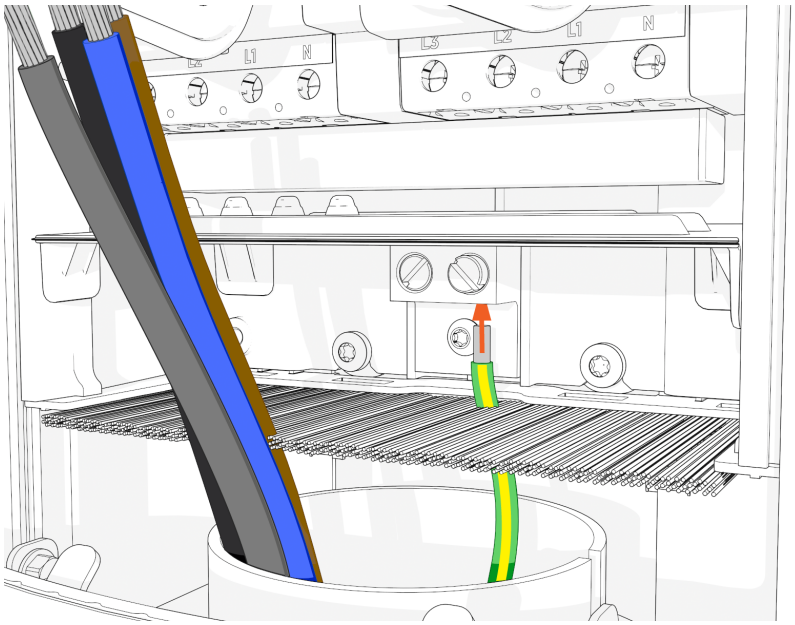
1. Strip the wires 12 mm (0.5 in).

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



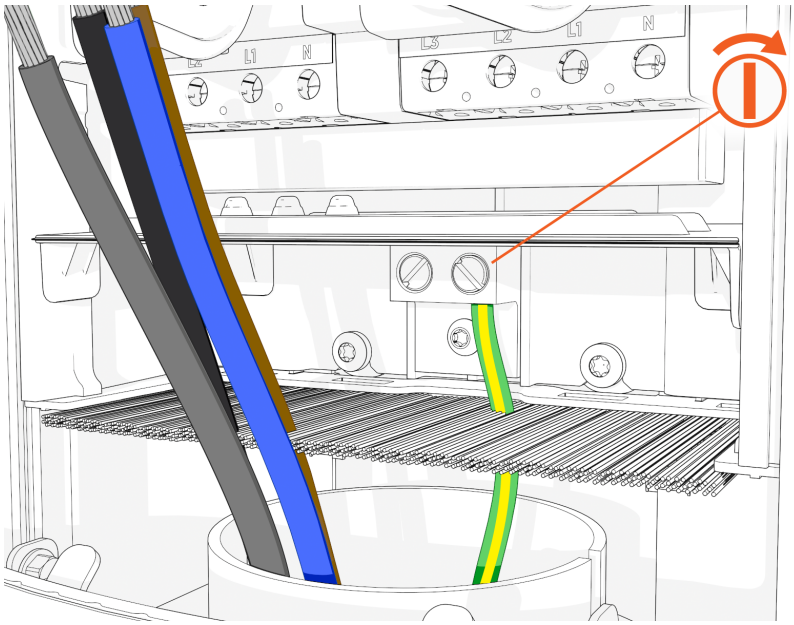
NOTE: Apply ferrules on multistrand cables. Crimp at cable termination.

2. Insert the PE wire into the PE terminal.



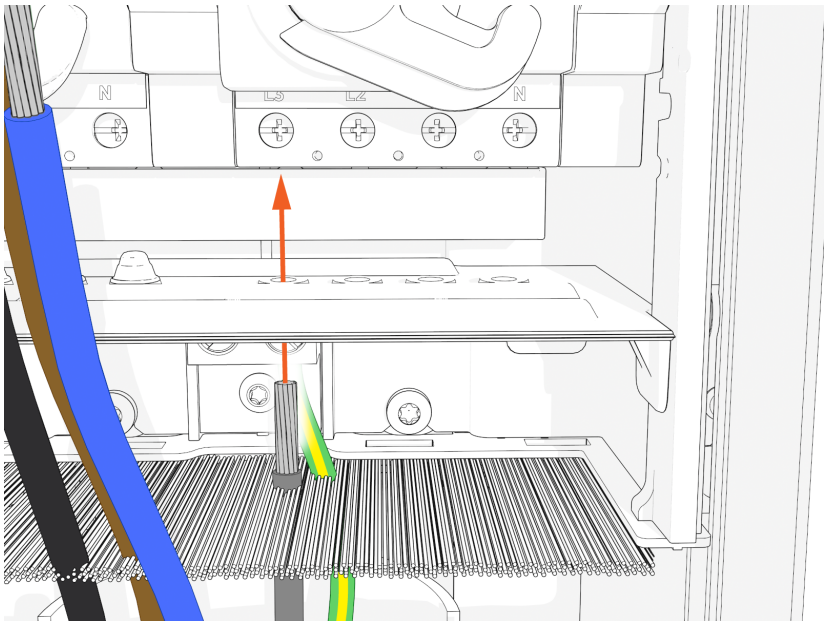
NOTE: Assembly may vary in appearance.

3. Tighten the screw on the PE terminal to **2.8 Nm (25 in-lb)**.



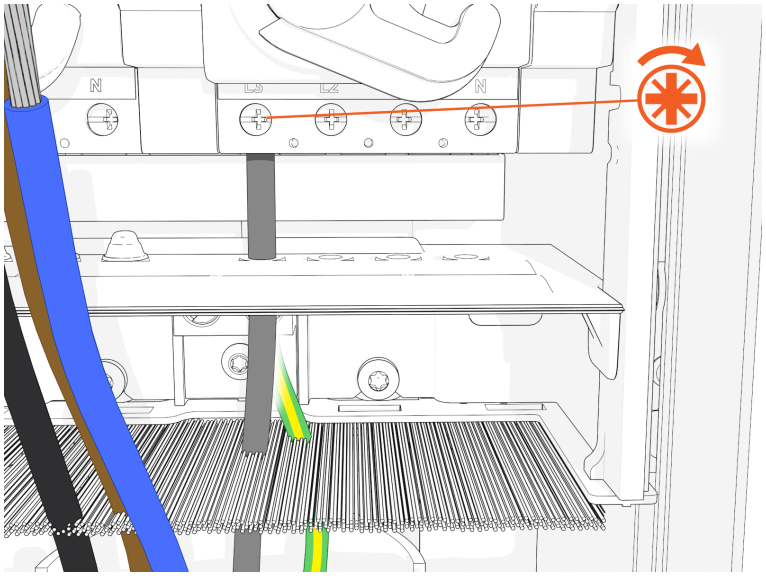
NOTE: Assembly may vary in appearance.

4. Insert the L3 wire into the terminal block.



NOTE: Assembly may vary in appearance.

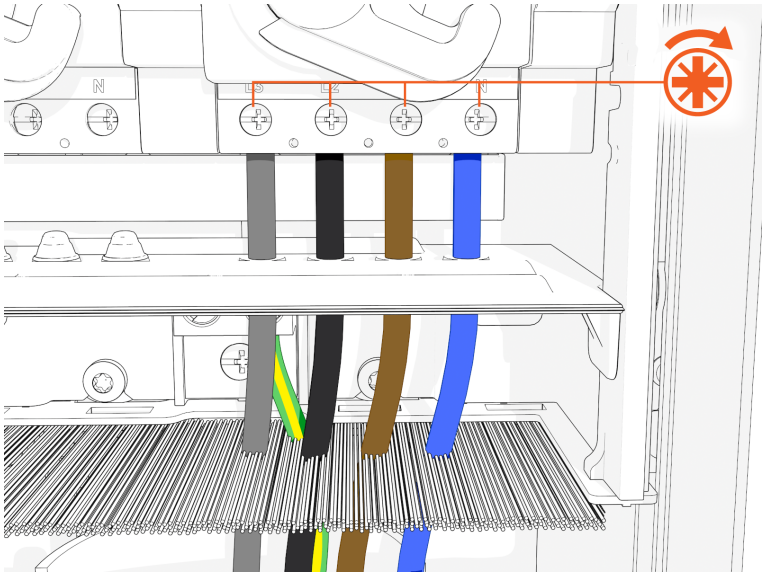
5. Tighten the terminal block to **2.8 Nm (25 in-lb)**.



IMPORTANT: Use a properly calibrated torque wrench or torque screwdriver to avoid damaging the RCBO input terminals.

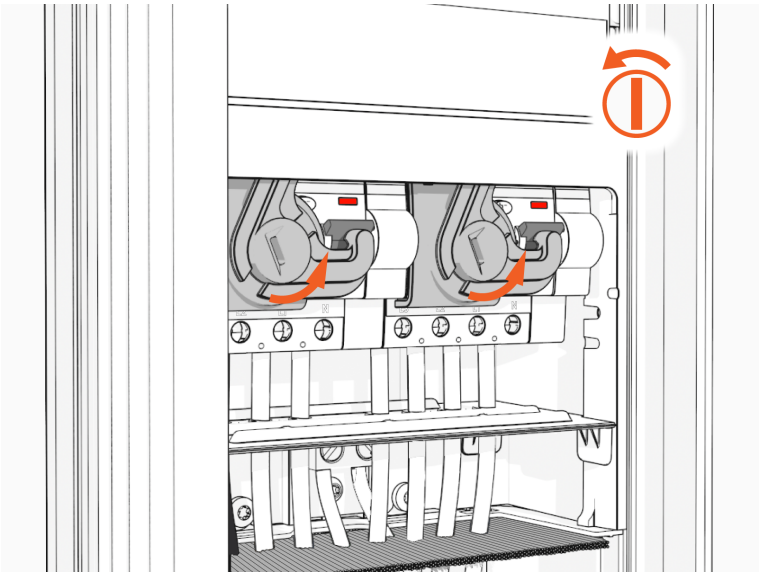
NOTE: Assembly may vary in appearance.

6. Repeat steps 4 and 5 for L1, L2, and N wires.



NOTE: Assembly may vary in appearance.

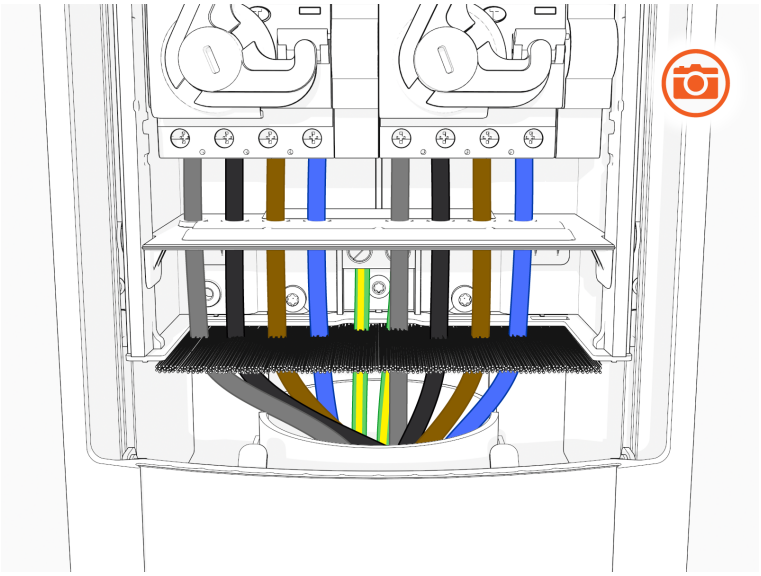
7. Cable sharing configurations only - Ensure the yellow/black sticker is on the terminal block that is not wired.
8. Switch terminal block switches ON. Red indicates the power is ON. Green indicates the power is OFF.



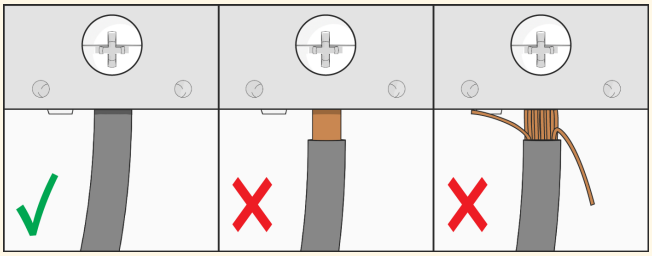
NOTE: Assembly may vary in appearance depending on RCCB or RCBO function.

IMPORTANT: Leave internal terminal block switches in the ON (upward position) while completing station installation.

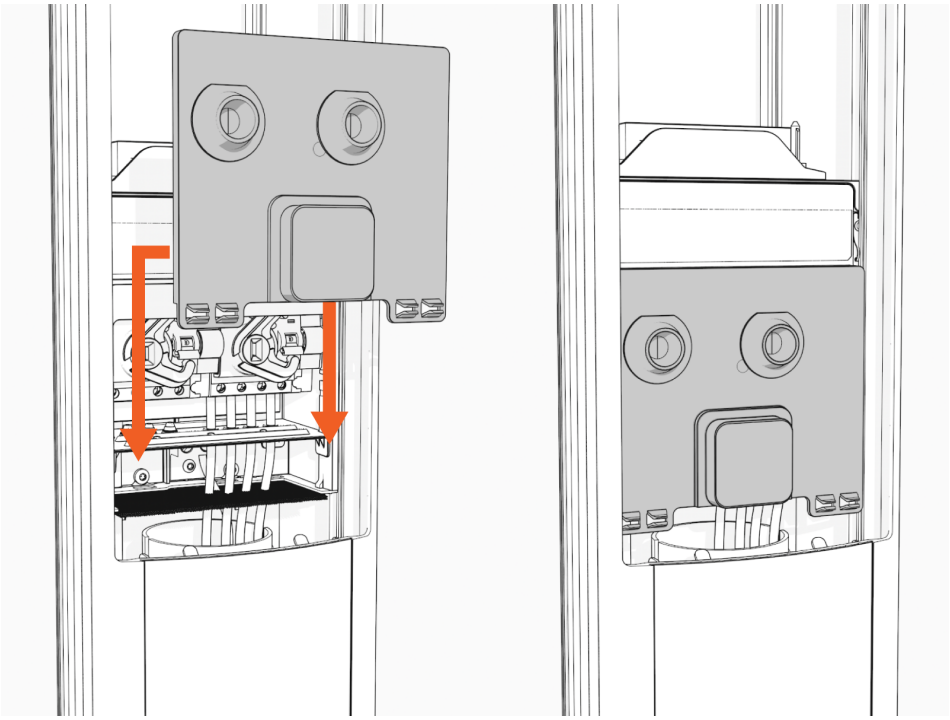
9. Take a picture of the completed terminal block wiring including labels to submit during pinpointing.



IMPORTANT: You should not see any copper wire outside the terminal block.



10. Slide the power plate cover down.



Wiring Diagrams

These diagrams show wiring for installing single and dual port CP6000 stations on:

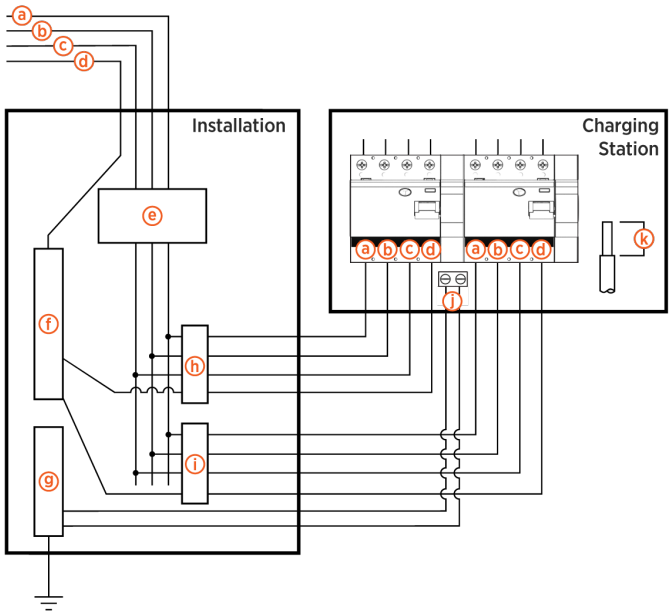
- A dual circuit, dual port
- A single circuit, dual port
- A single circuit, single port

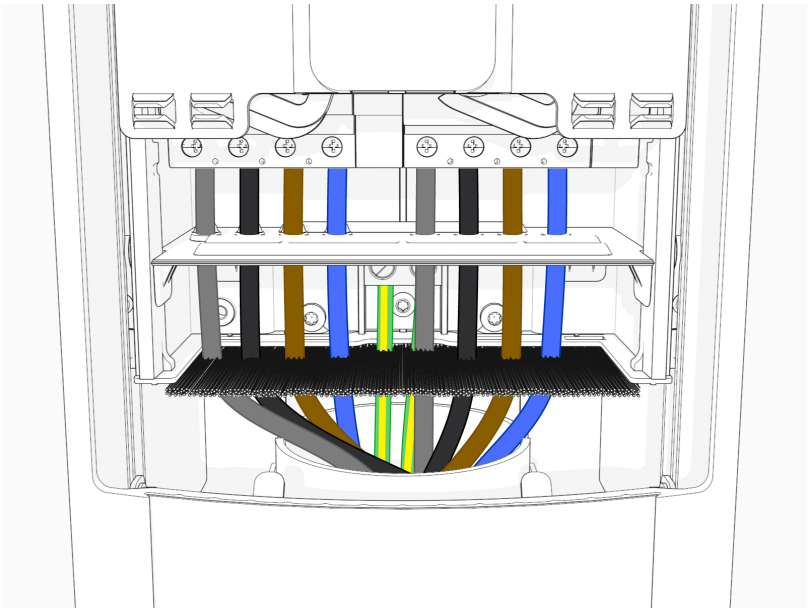
The number of dedicated circuits required depends on the type of installation and the power available at the site.

Refer to the CP6000 Datasheet on ChargePoint Product Reference Documentation for electrical input and output specifications.

400/230 VAC Three Phase Dual Circuit, Dual Port

(a) L3
(b) L2
(c) L1
(d) Neutral
(e) Main breaker
(f) Neutral bus
(g) Ground bus
(h) Left breaker
(i) Right breaker
(j) Ground
(k) Wire strip length 12 mm (0.5 in)

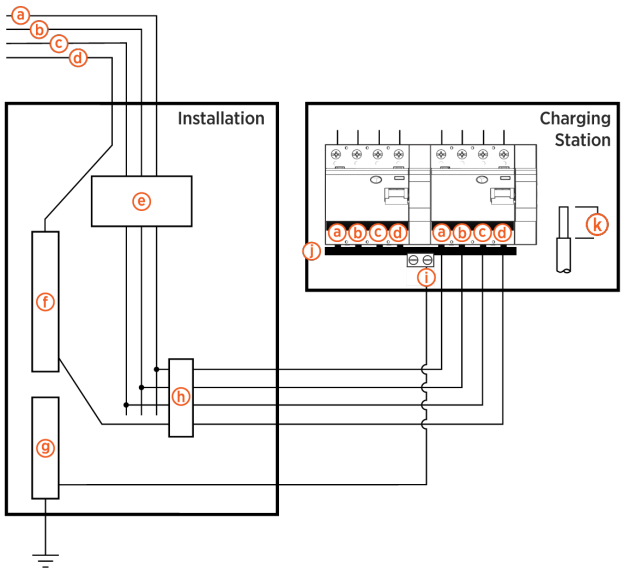


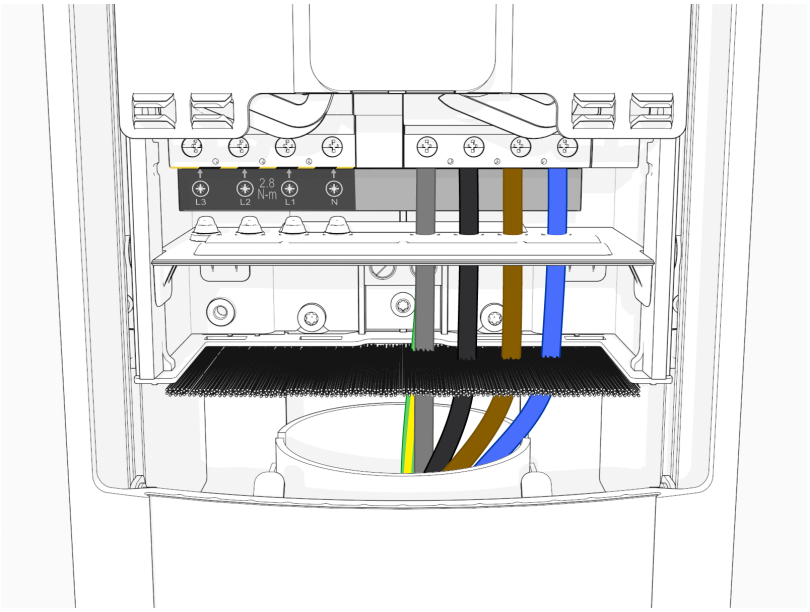


400/230 VAC Three Phase Single Circuit, Dual Port

IMPORTANT: When using a single circuit to power dual ports, you must connect cables to RCCBs or RCBOs on the right side of the terminal block.

(a) L3
(b) L2
(c) L1
(d) Neutral
(e) Main breaker
(f) Neutral bus
(g) Ground bus
(h) Breaker
(i) Ground
(j) Jumper
(k) Wire strip length 12 mm (0.5 in)

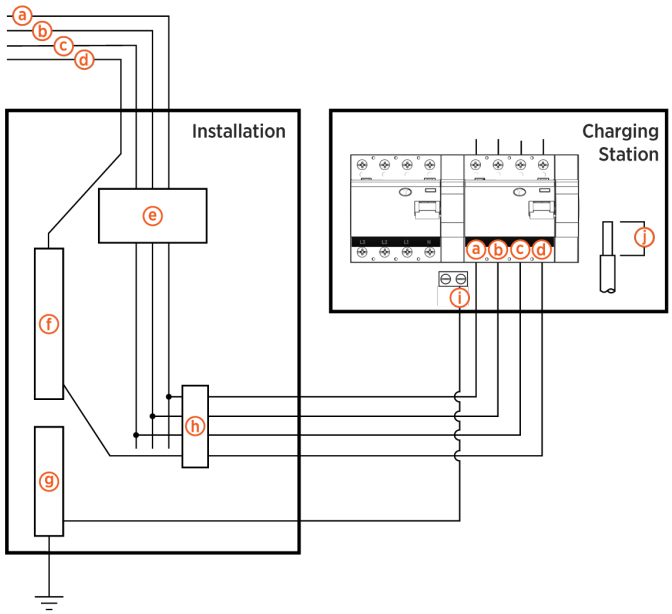


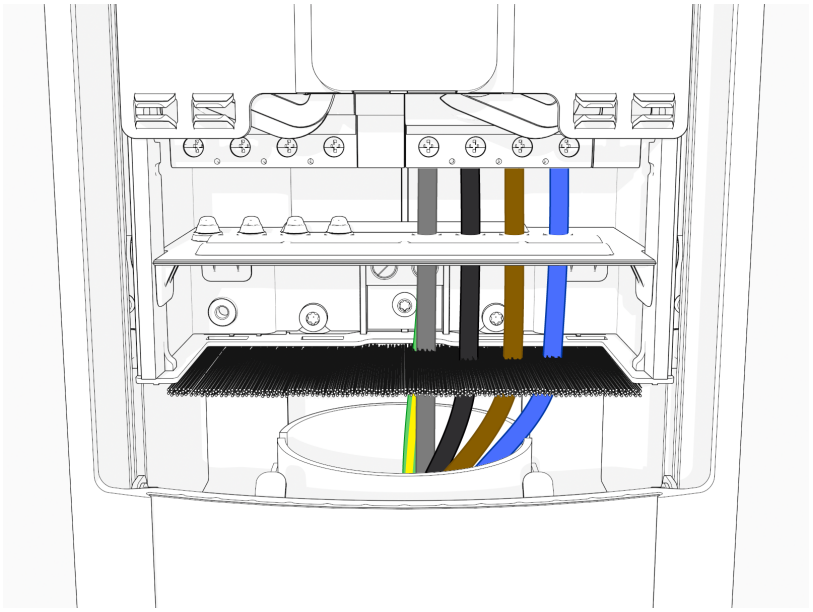


NOTE: This configuration can be used either with RCCB or RCBO option. Contact ChargePoint Support for guidance and follow the local national regulations.

400/230 VAC Three Phase Single Circuit, Single Port

(a) L3
(b) L2
(c) L1
(d) Neutral
(e) Main breaker
(f) Neutral bus
(g) Ground bus
(h) Breaker
(i) Ground
(j) Wire strip length 12 mm (0.5 in)





Check Voltages

Measure Between	VAC (Plus or Minus 10%)
L – L	400
L - N	230

1. Turn power ON at the circuit breaker panel.
2. Using a solenoid type voltmeter, check that the voltages at the charging station's terminal block are as listed in the table above.
   - Insert the meter probes into the holes at the top of each terminal block and check the input voltage.
   - If the voltages are not within 10% of the voltages in the table above, ensure the wiring has been properly connected. Refer to the detailed wiring diagrams in this chapter.
   - For grounding requirements, see the CP6000 Datasheet on ChargePoint Product Reference Documentation.
3. Resolve any wiring issues and ensure voltages are correct.

WARNING: Isolate the charging station at the circuit breaker panel before resolving any wiring issues.

4. Turn power OFF at the circuit breaker panel.

Guidelines for Stations Supplied With Single Phase Power

When installing a CP6000 station as a single phase station, be aware of the following considerations:

Panel type

- Select **1 phase** for a single phase station setup.

  During the installation, the installer can choose the panel type as a **1 phase**or a **3 phase**.

Number of input (power) cables wired to the station

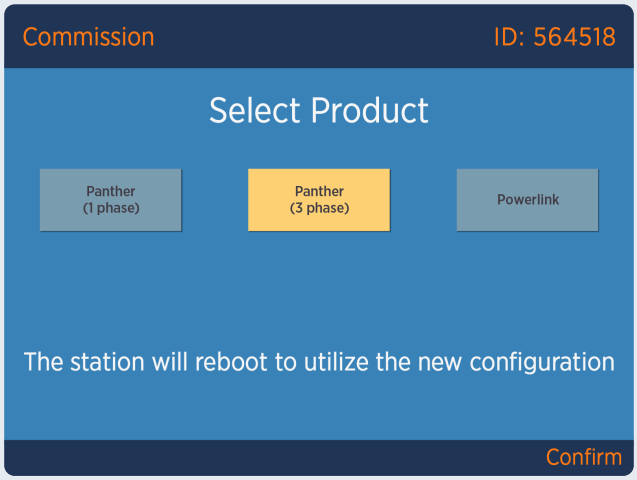
- Dual port with a single power cable

IMPORTANT: If one single-phase supply circuit is feeding a dual port station, you MUST install a L1 - L1 jumper for both ports to operate correctly. Using an L1 - L2 jumper is not allowed. Installing an L1 - L1 circuit share power management jumper is required to ensure both ports are powered by the same phase. The L1 - L1 jumper does not rotate phases, allowing both ports to draw current from L1. If an L1 - L1 jumper is not available, contact ChargePoint to order L1 - L1 power management jumpers as required.

- Dual port with a dual power cable: Each port has its own power cable, so no circuit share power management jumper is required.
- For cloud-based power management (if applicable): For cloud-based power management hosted by ChargePoint, ensure both ports use the same phase, even if supplied by two different cables. Stations not using power management can have different phases for each port.

NOTE:

- Avoid any phase rotation between ports. Stations with phase rotation cannot support single phase cloud-based power management.
- Do not use a single 5-wire cable to supply both ports with different phases. This setup is not supported and may lead to undesirable behavior. Contact ChargePoint if this is the only available option.
- If presented with the **Commission** page when configuring the station as **1 phase**, select the **3 phase** station option. This only indicates that all EU CP6000 stations are **3 phase** capable, even if wired as a single phase station. If the **1 phase** option appears (as highlighted), this further indicates that the EU station is incorrectly identified and must be corrected before proceeding.



Wiring Diagrams for Single Phase Installation

These diagrams show wiring for installing single and dual port CP6000 stations on:

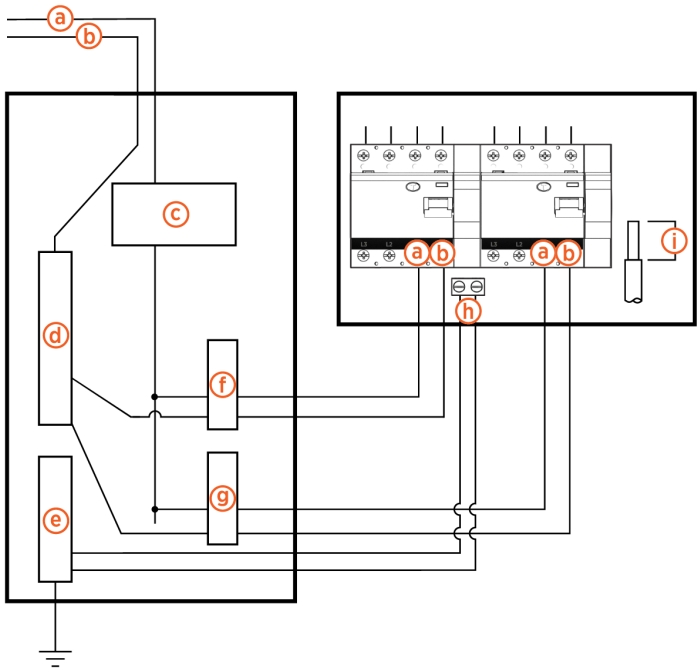
- A dual circuit, dual port
- A single circuit, dual port
- A single circuit, single port

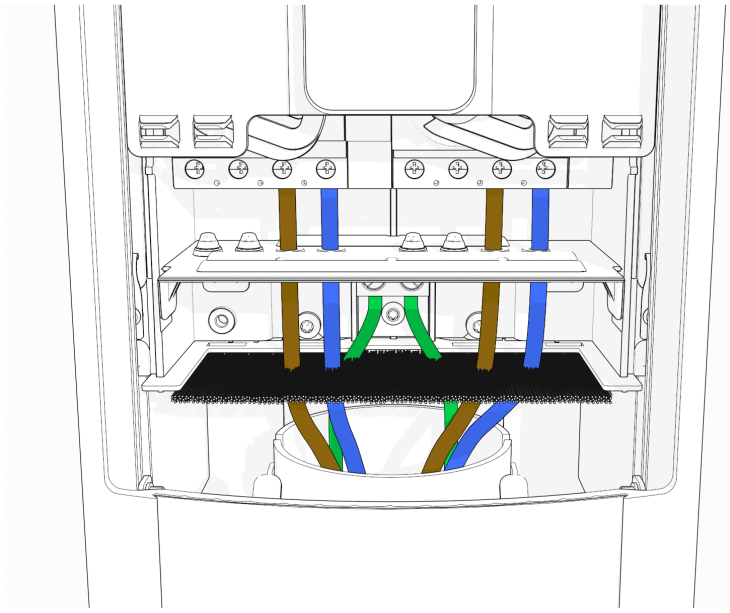
The number of dedicated circuits required depends on the type of installation and the power available at the site.

Refer to the CP6000 Datasheet on ChargePoint Product Reference Documentation for electrical input and output specifications.

230 VAC Single Phase Dual Circuit, Dual Port

(a) L1
(b) Neutral
(c) Main breaker
(d) Neutral bus
(e) Ground bus
(f) Left breaker
(g) Right breaker
(h) Ground
(i) Wire strip length 12 mm (0.5 in)

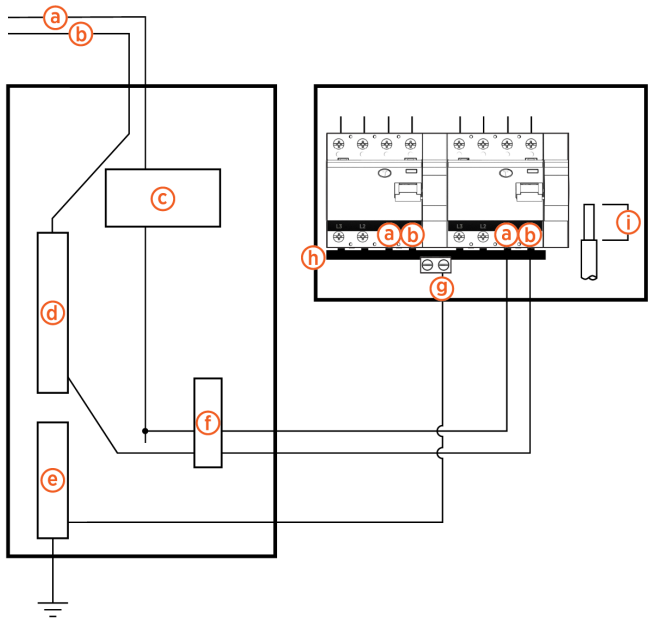


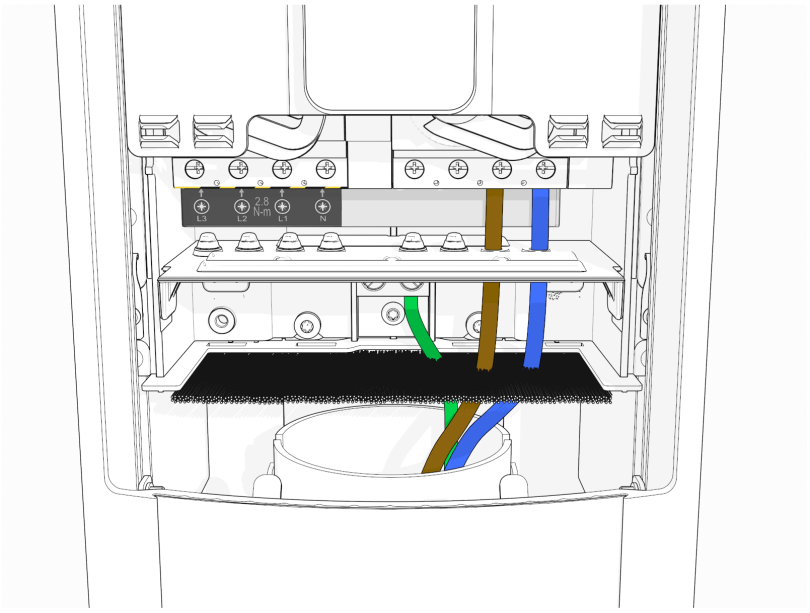


NOTE: It is recommended that the Neutral should also pass through the main breakers (a country-specific requirement). In a dual input configuration, each input must be connected to its own breaker; a single breaker for both inputs is not allowed. Two main breakers are required.

230 VAC Single Phase Single Circuit, Dual Port

(a) L1
(b) Neutral
(c) Main breaker
(d) Neutral bus
(e) Ground bus
(f) Breaker
(g) Ground
(h) L1 - L1 jumper
(i) Wire strip length 12 mm (0.5 in)

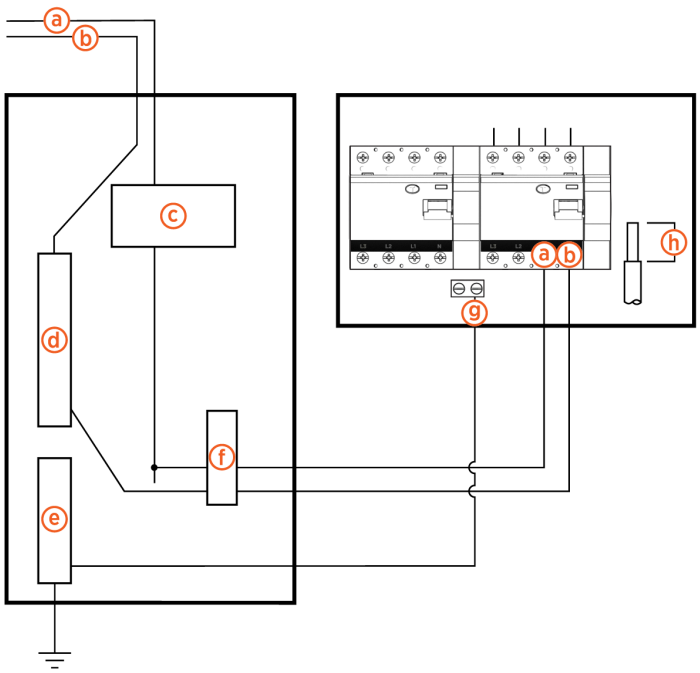


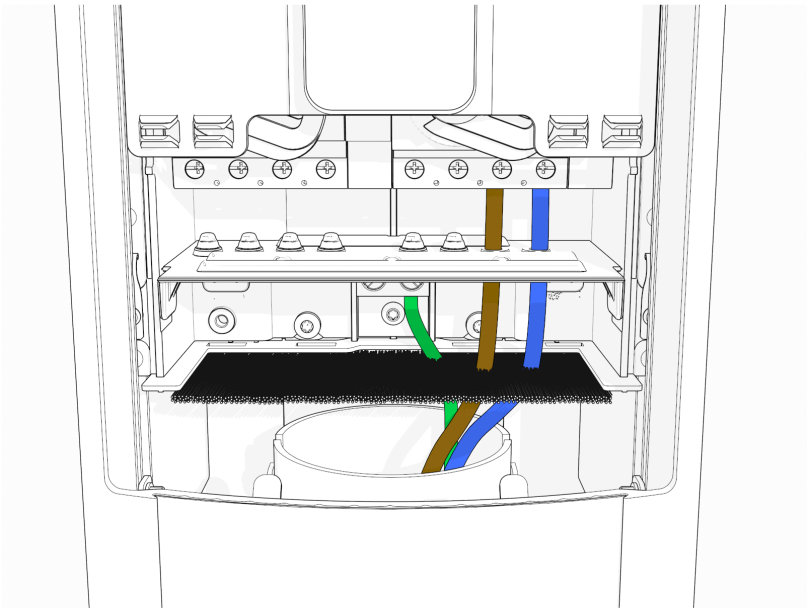


NOTE: This configuration can be used either with RCCB or RCBO option. Contact ChargePoint Support for guidance and follow the local national regulations.

230 VAC Single Phase Single Circuit, Single Port

(a) L1
(b) Neutral
(c) Main breaker
(d) Neutral bus
(e) Ground bus
(f) Breaker
(g) Ground
(h) Wire strip length 12 mm (0.5 in)





Check Voltages

IMPORTANT: Ensure that Neutral connects to ground in the system per applicable codes.

The following table lists the expected input voltage measurements.

Measure Between	VAC (Plus or Minus 10%)
L-N	230

1. Turn power ON at the circuit breaker panel.
2. Using a solenoid type voltmeter, check that the voltages at the charging station's terminal block are as listed in the table above.
    - Insert the meter probes into the holes at the top of each terminal block and check the input voltage.
    - If the voltages are not within 10% of the voltages in the table above, ensure the wiring has been properly connected. Refer to the detailed wiring diagrams in this chapter.
    - For grounding requirements, see the CP6000 Datasheet on ChargePoint Product Reference Documentation.
3. Resolve any wiring issues and ensure voltages are correct.
4. Turn power OFF at the circuit breaker panel.

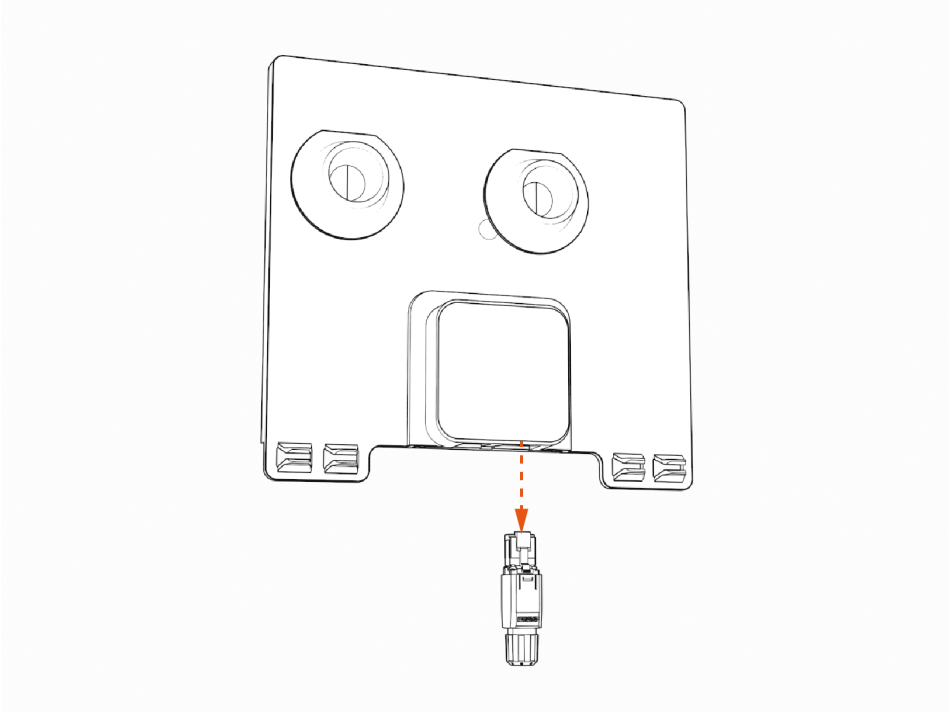
Assemble the Station 5

To assemble the station, complete the steps documented in the following topics:

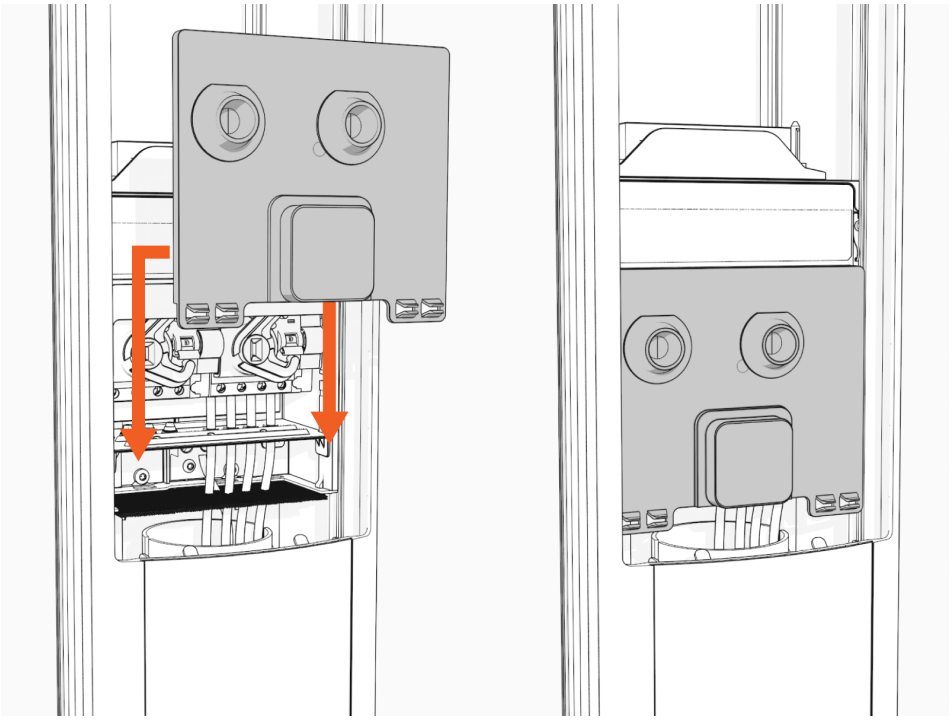
- Connect Head Assembly
- Install Rating Labels
- Install Cable Clamps

Connect the Head Assembly

1. If you are setting the CP6000 charging station up to connect to a local Ethernet network, remove the RJ45 Ethernet connector from the Ethernet module in the kit. If you are not setting up Ethernet capability, skip to step 2.

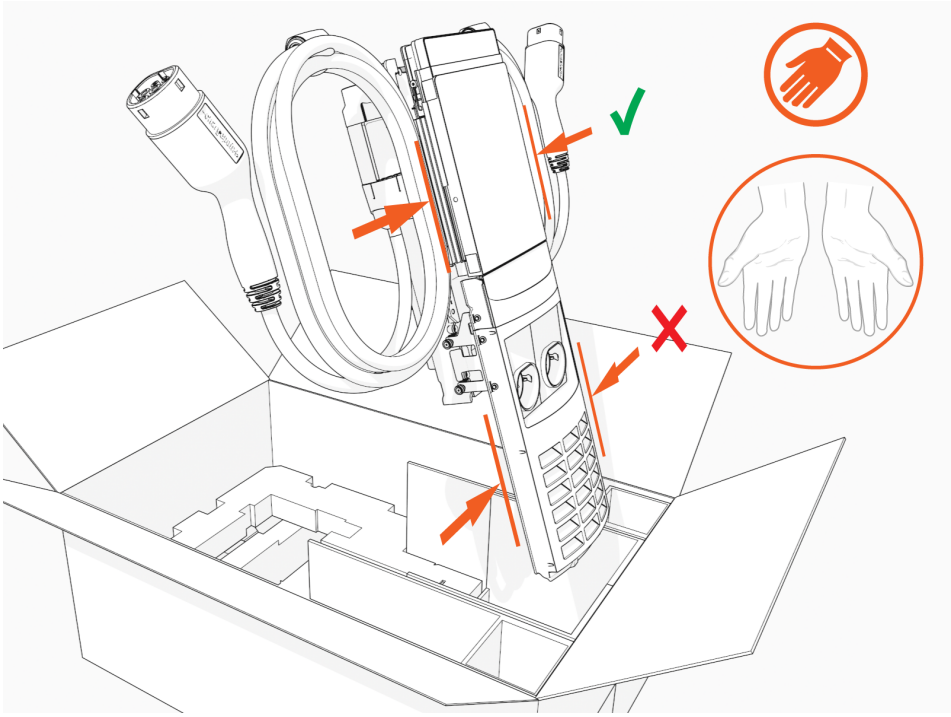


2. Slide the power plate cover or Ethernet module down.



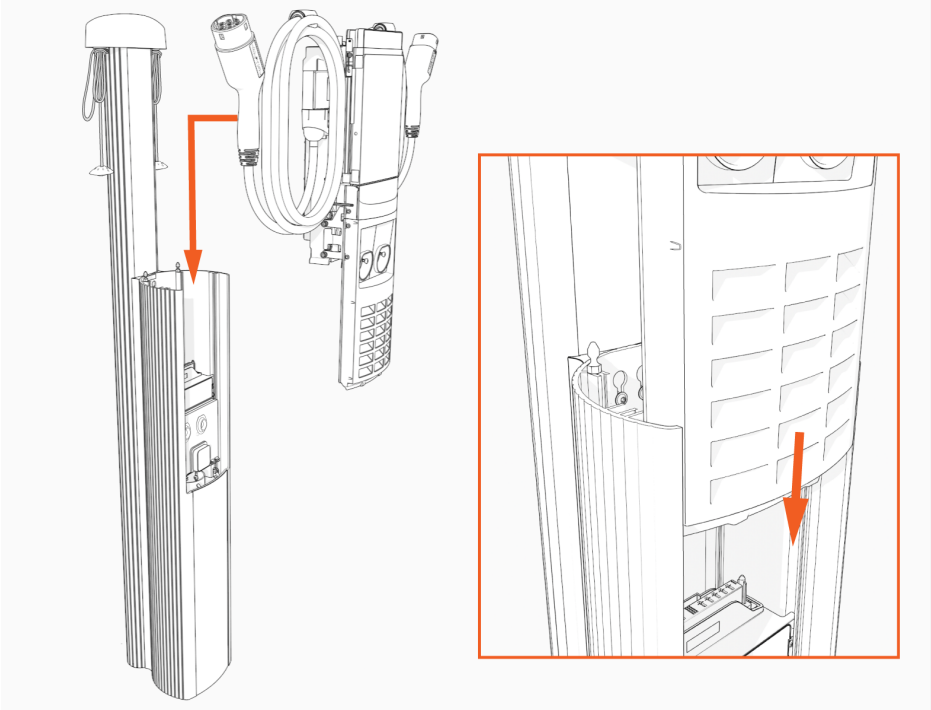
3. Remove the head assembly from the packaging by holding the metal castings.

> **IMPORTANT:** Wear protective gloves. Hold the metal edges of the head assembly, not the plastic front cover, to avoid damaging the front cover.

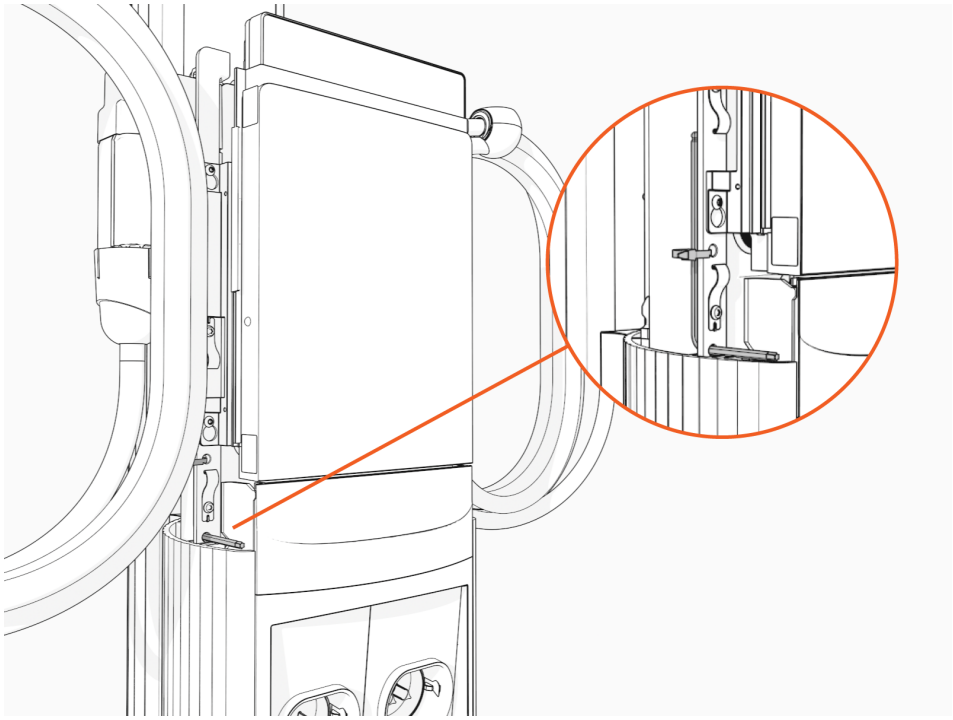


4. Align the rails on the head assembly with the pedestal and slide it into the pedestal housing.

IMPORTANT: Avoid damaging cables when installing the head assembly.

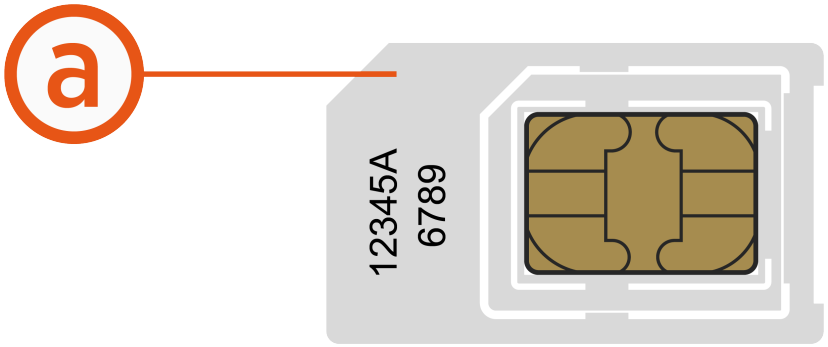


The head assembly rests on the L-wrench connected to the side of the assembly.



5. Install the SIM card.

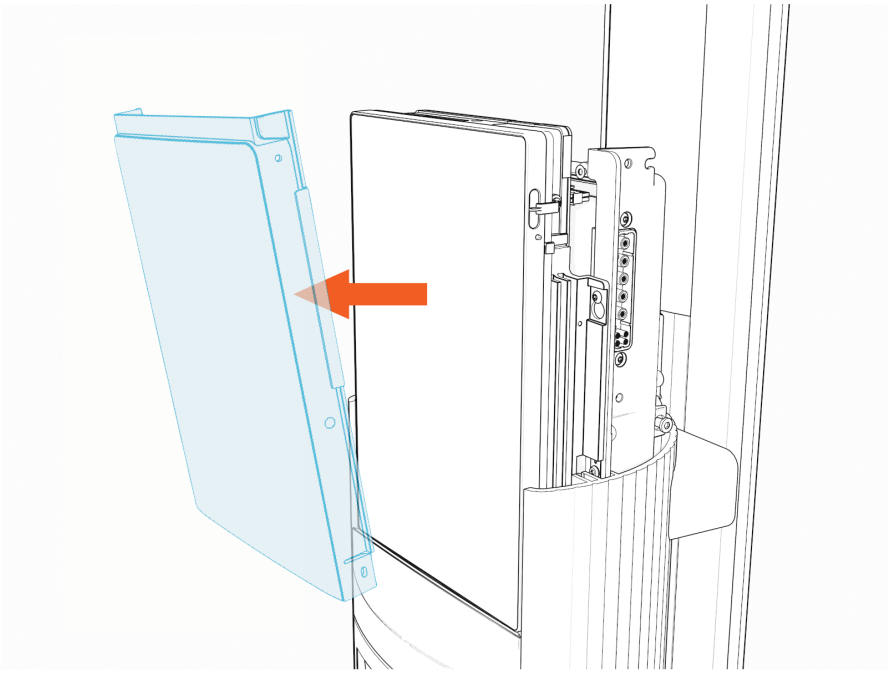
   The CP6000 includes *two* separate SIM cards – an embedded SIM card (a chip) and a SIM slot that supports physical SIM cards. If the physical SIM card provided with the station head unit is multi-punch or break-apart, as in the example below **(a)**, then make sure to punch out the size matching the SIM being replaced in the unit. CP6000 stations use **Mini SIM (2FF)**.

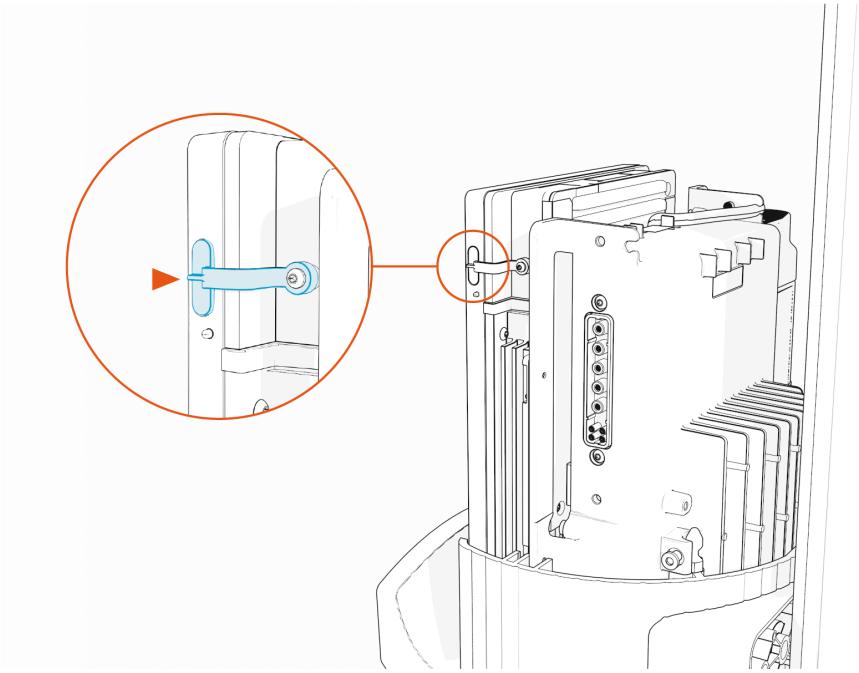


   Follow the instructions provided below to replace the pre-installed SIM card with the one taped to the station head unit.

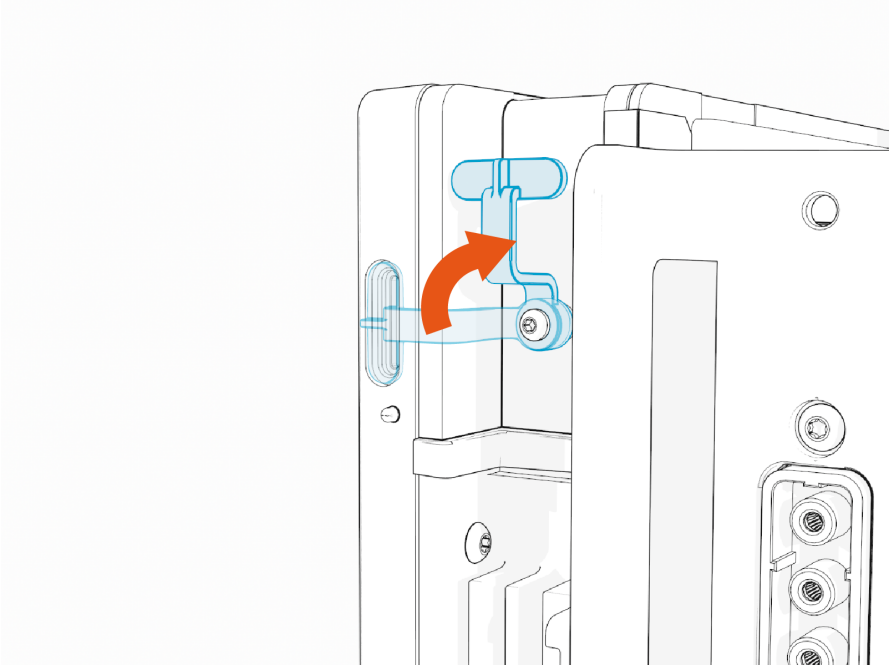
   a. Remove the SIM card from its carrier by pushing it firmly.
   b. Remove the top cap to access the service panel (position).

c. Remove the front lens to locate the SIM plug on the head assembly.

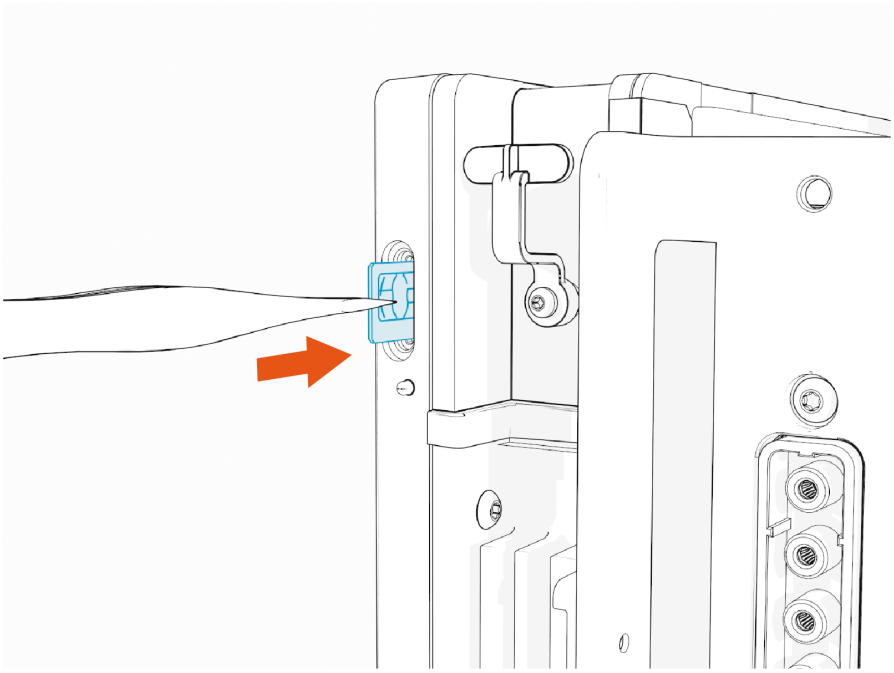




d. Lift the SIM plug located on the head assembly.

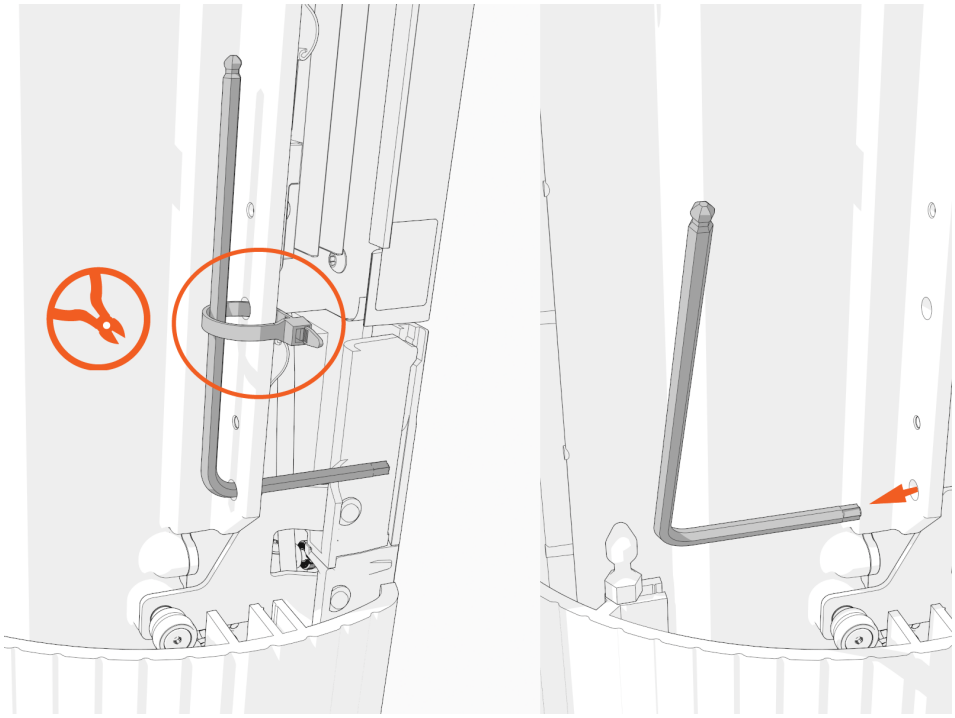


e. Insert the notched edge of the SIM card into the slot with the notch facing upward. Slide it into the slot and use a corner of the SIM card's carrier or a tweezer to push it **fully** into the slot until it clicks into place. Refer to the orientation instructions printed on the side of the head assembly.



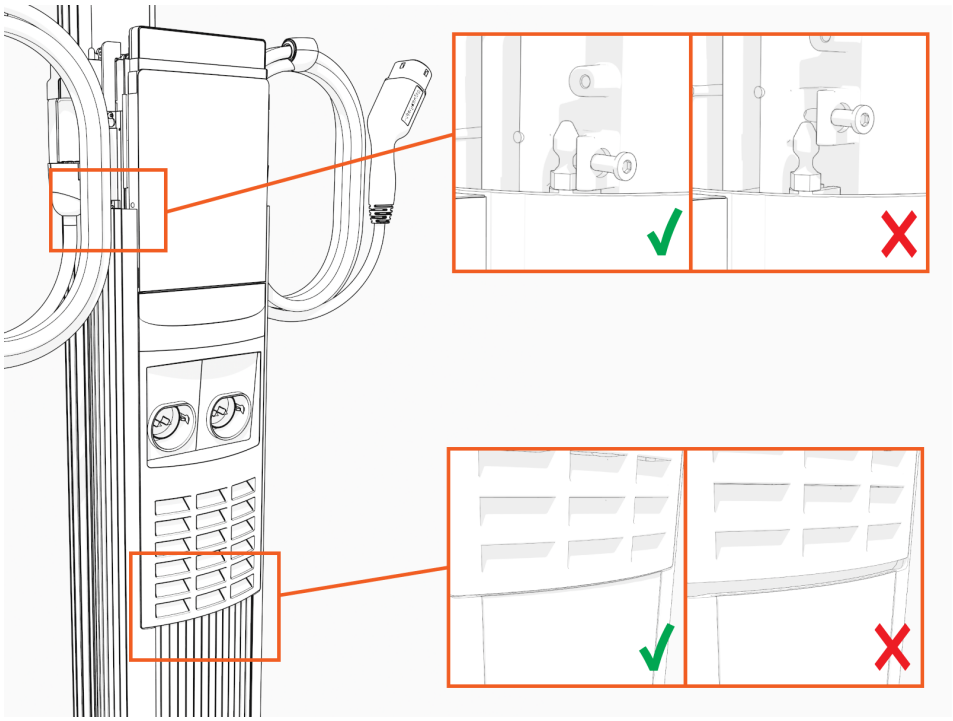
6. After securing the SIM card in place, return the SIM plug to its original position and reattach the front lens.

7. If you are installing the Ethernet module, visit Install the Install the USB to Ethernet Module.
8. Remove the L-wrench.

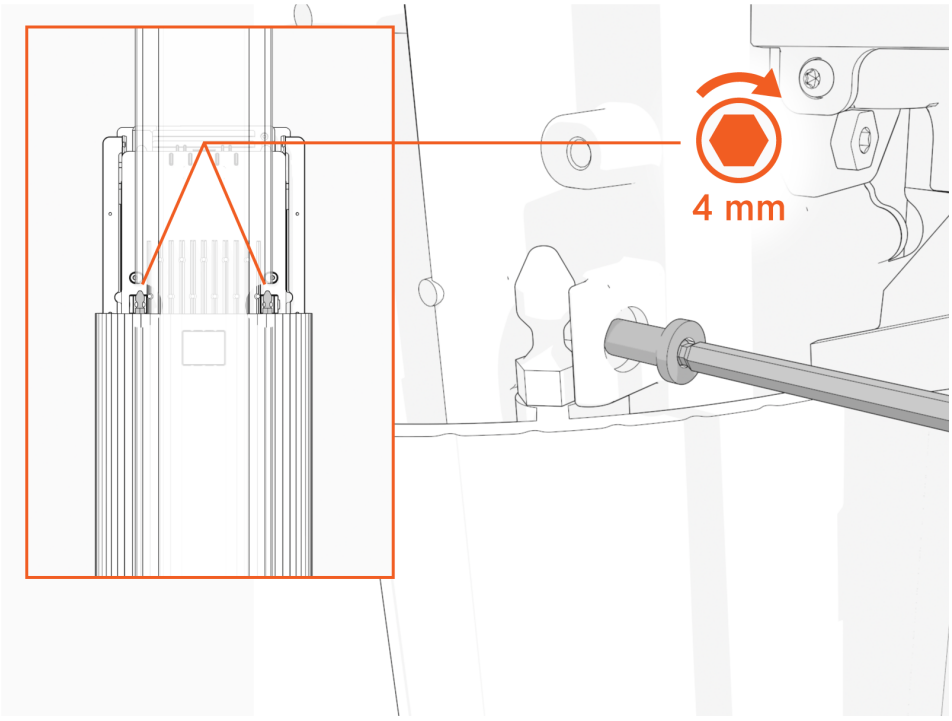


9. Slide the head assembly all the way into the pedestal housing. Ensure the head assembly is fully seated.

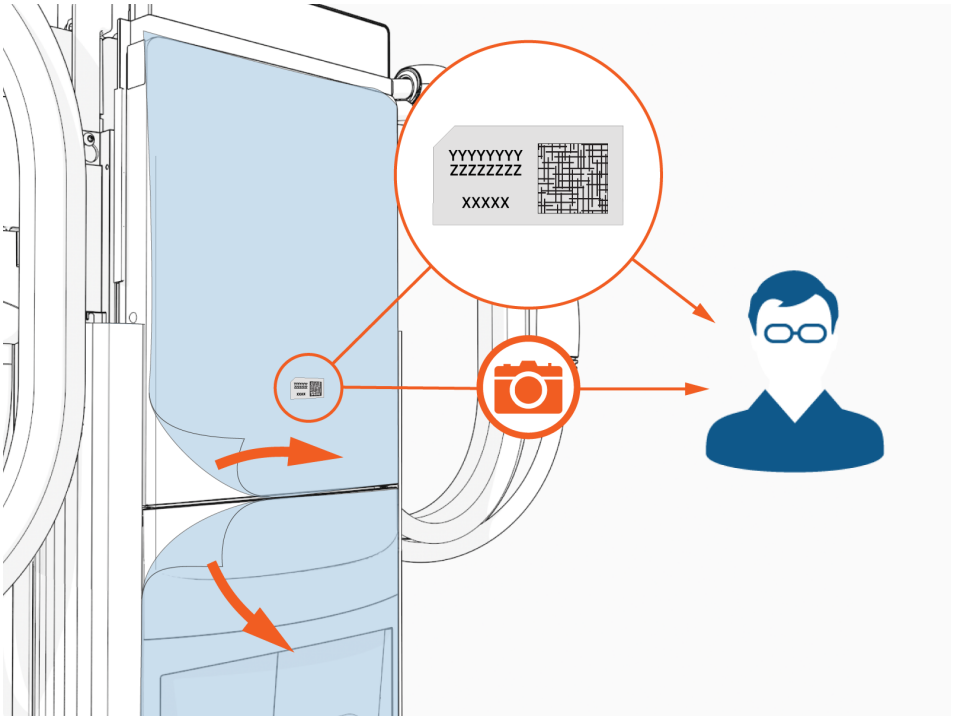
> **NOTE:** If the head assembly doesn't slide all the way into the pedestal housing, check that the power plate is seated correctly.



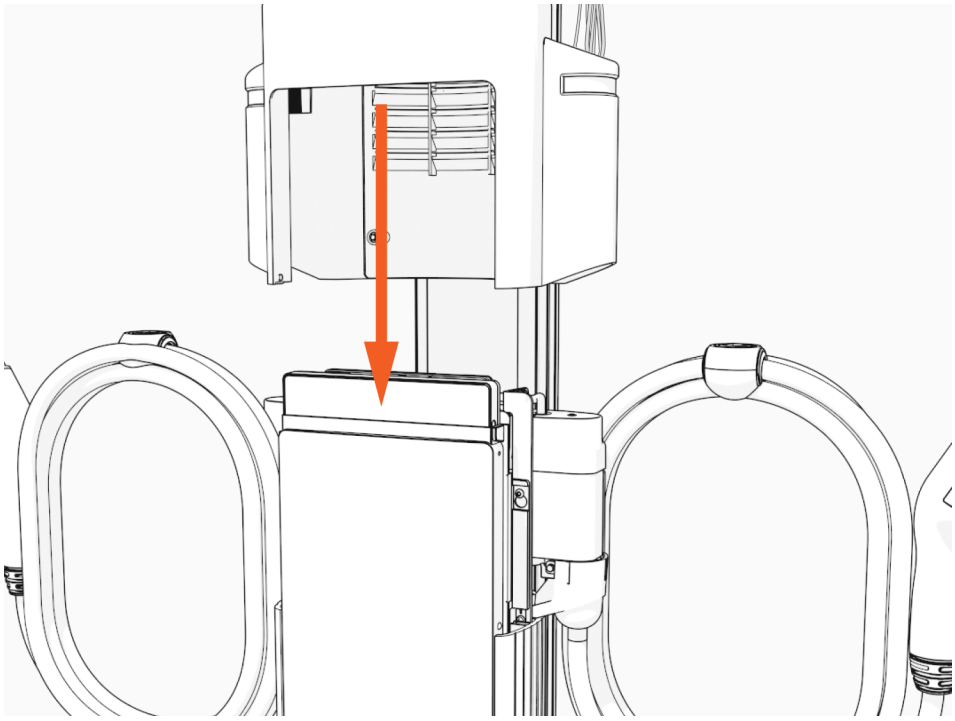
10. Using the L-wrench or 4 mm hex tool, tighten two screws.



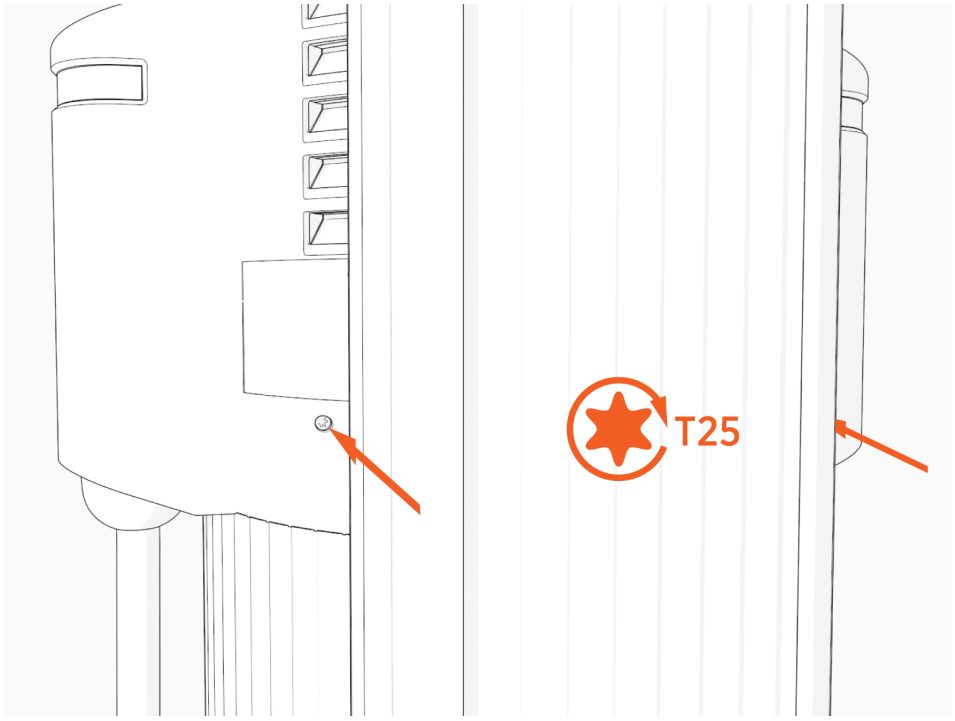
11. Take a picture of the activation label, remove the protective film, and give the protective film with the label to the station owner.



12. Slide the top cap onto the head assembly, adjusting as necessary to clear the charging cables, until it fits into place.



13. Torque two captive screws to **1.1 Nm (10 in-lb)**.



Install Rating Labels

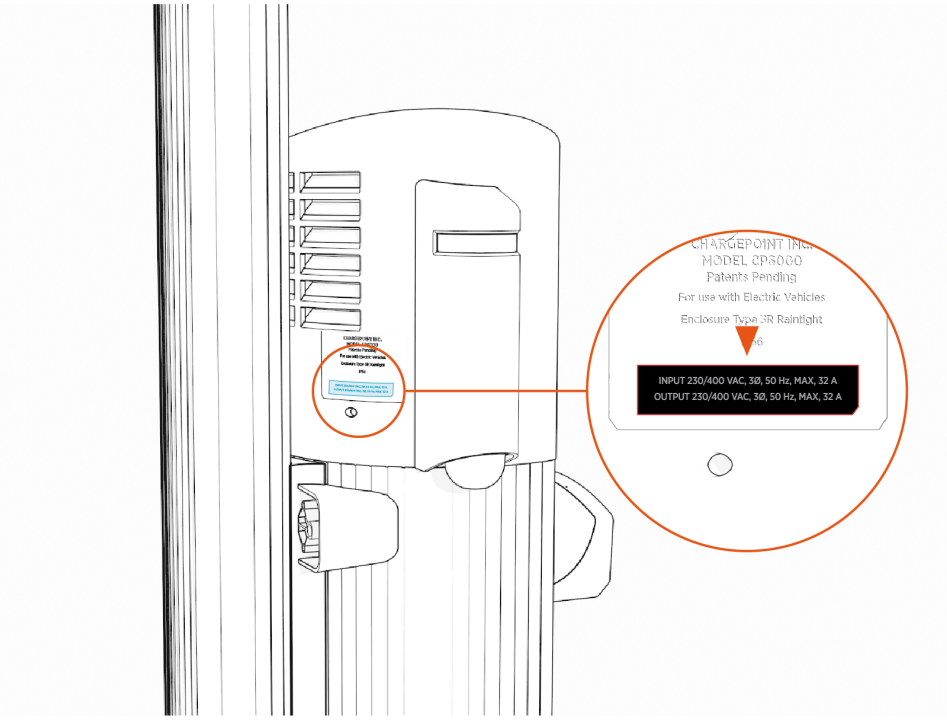
The rating label corresponds to amperage ratings. Identify if the charging station setup is for a single port or dual port with circuit sharing, and then apply the appropriate rating label for electrical rating. Additionally, ensure the correct rating labels are applied based on the region (NA or EU) since the ratings and standards may differ.

1. Locate the rating label sheetprovided with the CP6000 station.
2. Ensure the label selected from the rating label sheet matches the current breaker rating installed in the electrical setup.

> **IMPORTANT:** The rating label must match the station system configuration.

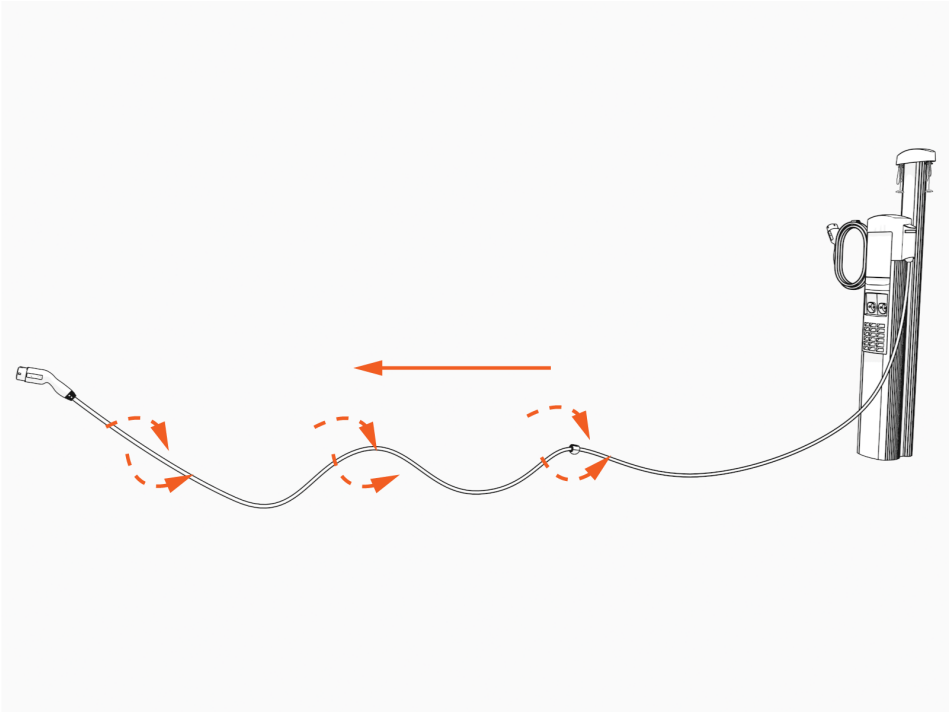
3. Apply the rating label on the top cap, behind the right ear. If there is a default rating label already applied by the manufacturer, place the new label over the default rating label to indicate the installer-configured rating.

> **NOTE:** Place a generic label on the electrical panel and affix an additional rating label directly on the station.

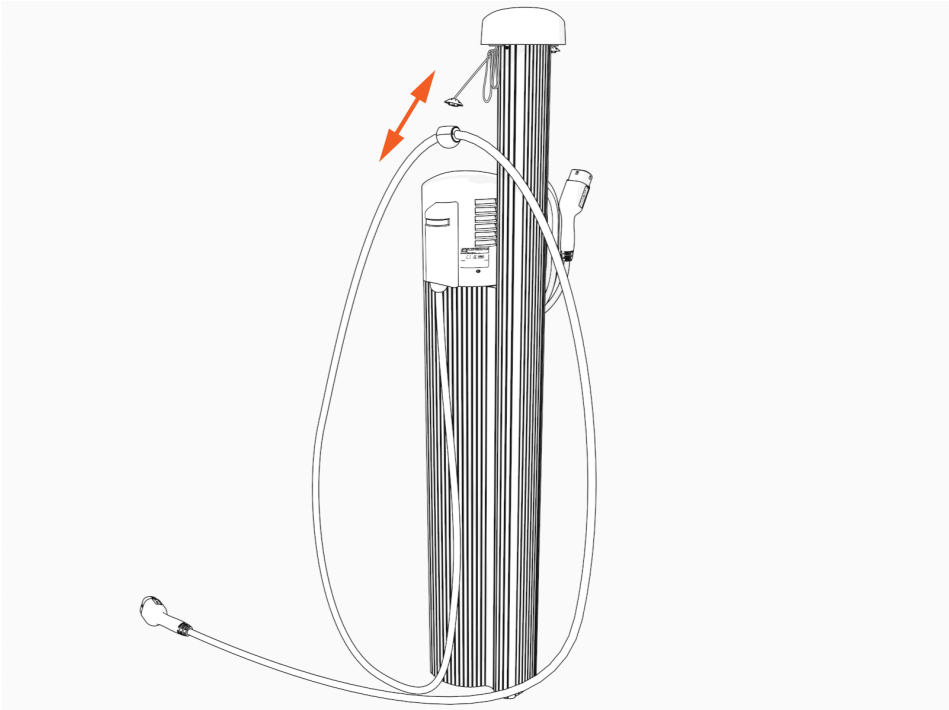


Install Cable Clamps

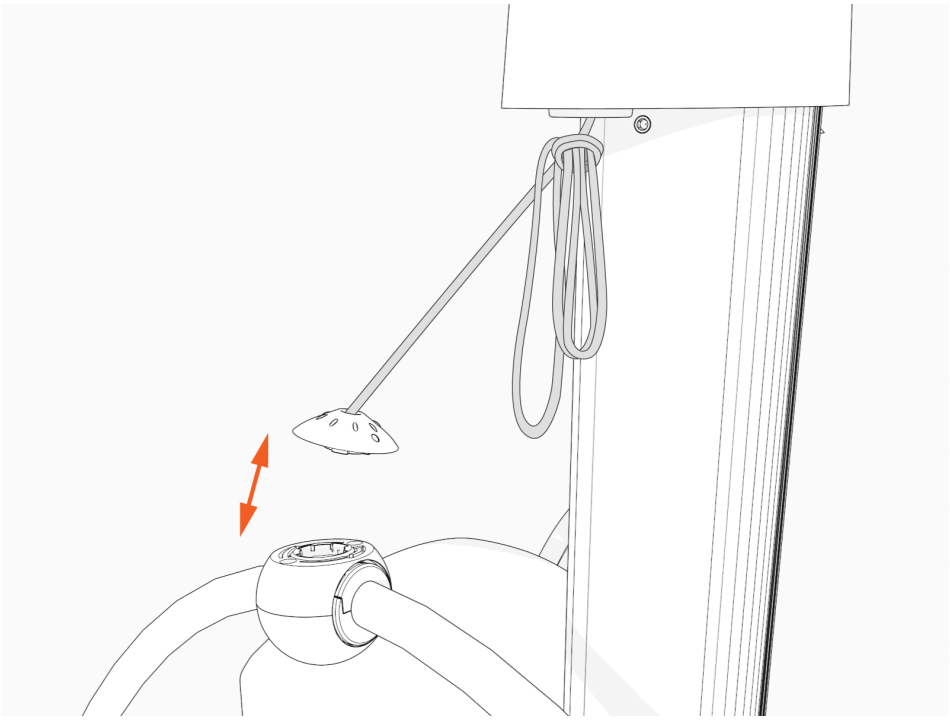
1. Uncoil the charging cable by gently extending it all the way out and away from the station. Rotate the plug as needed to remove any twist or kinks.



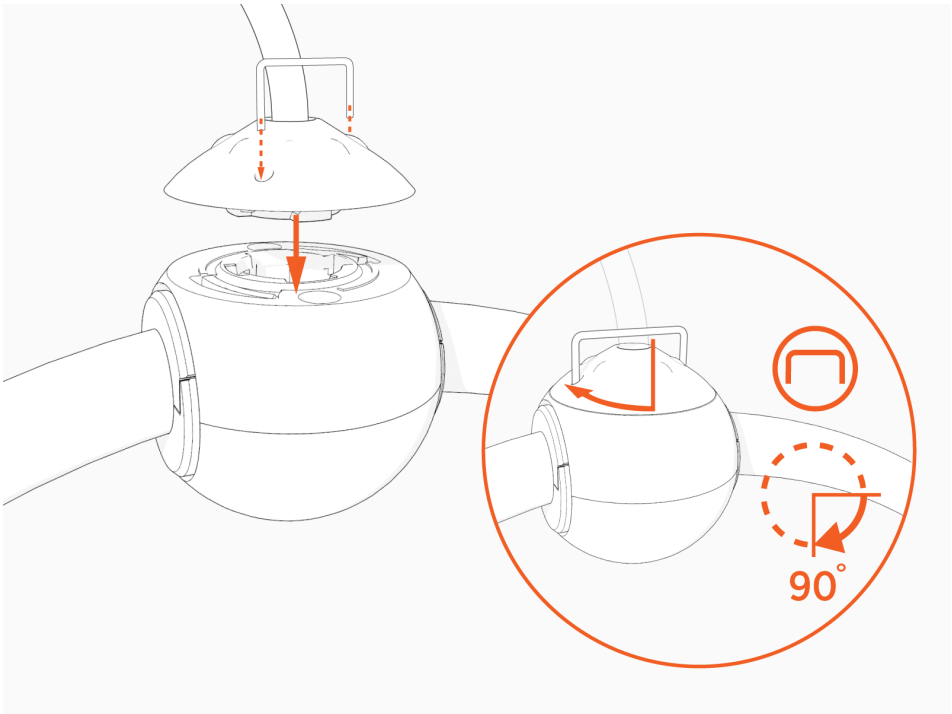
2. Position the charging cable near the base of the station.



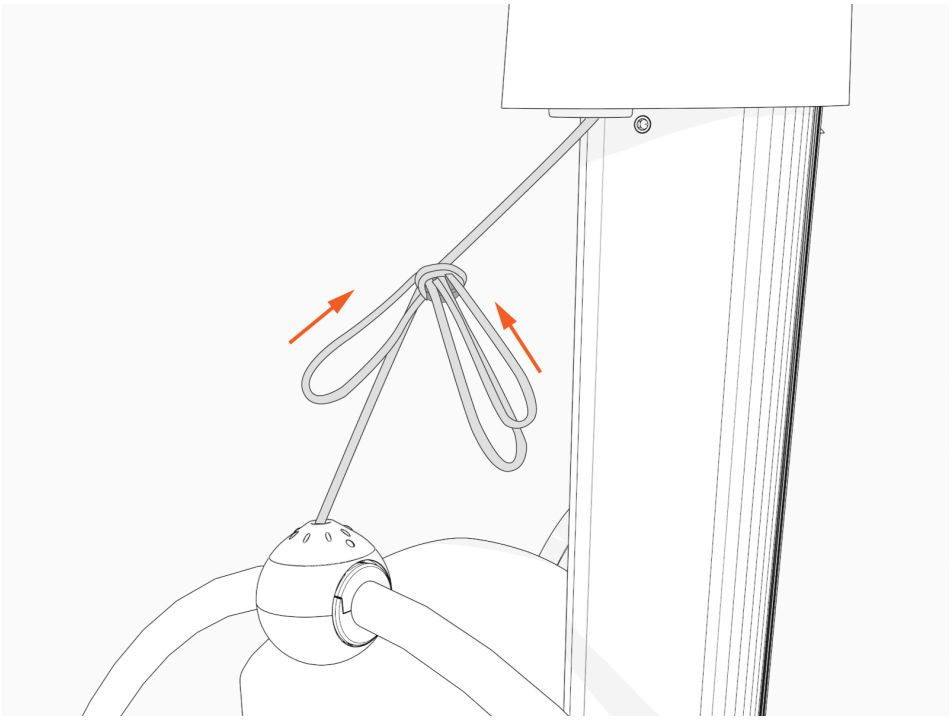
3. Align the knot bearing on each rope to its corresponding mating feature on the cable clamp.



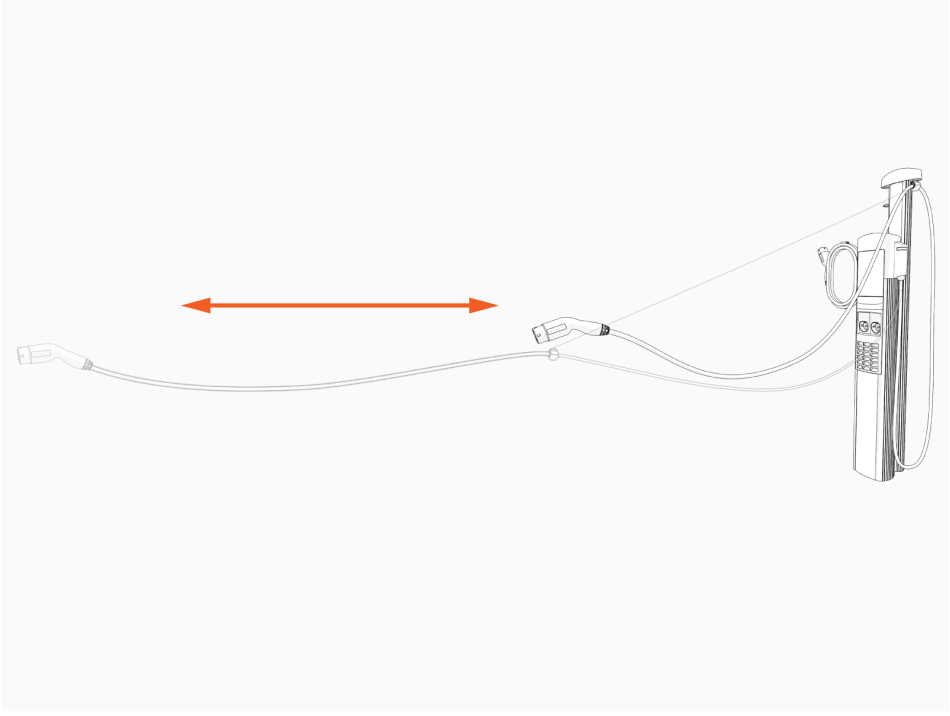
4. Using tool provided, push down while turning the knot bearing clockwise approximately 1/4 turn to connect the cable clamp.



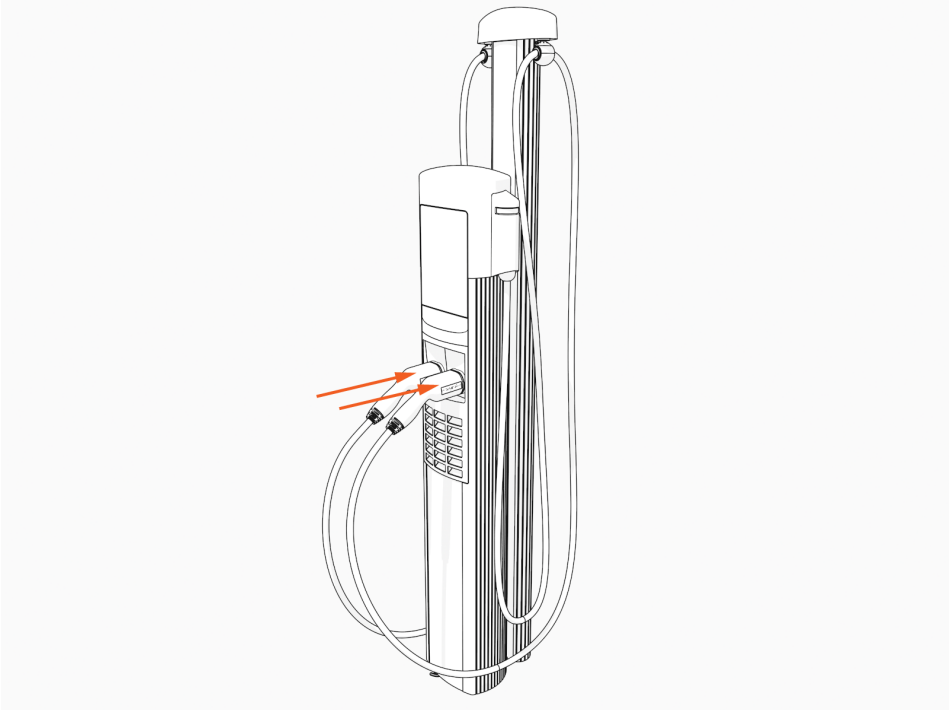
5. Untie the knot near the top of the CMK.



6. Check that the charging cable extends and retracts fully and smoothly.



7. Insert the charging cables into their corresponding holsters.



Complete Station Setup 6

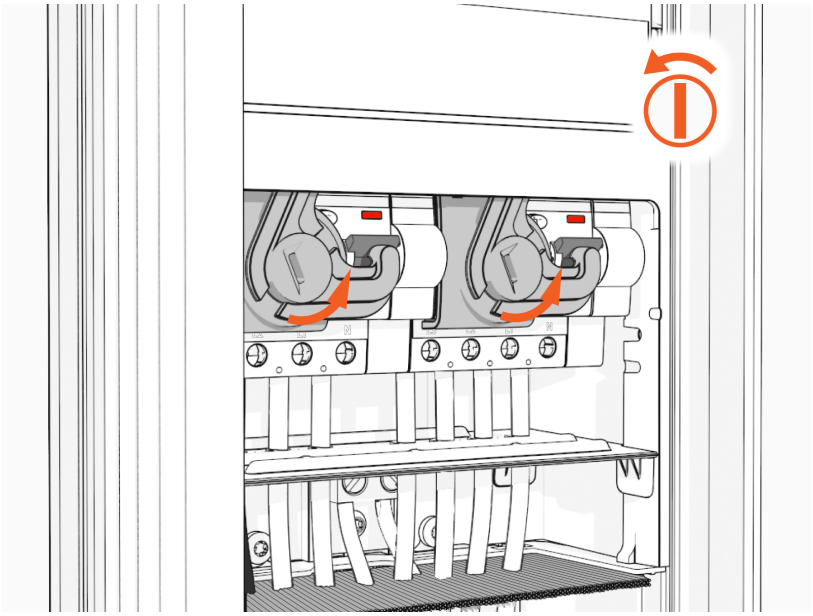
To complete the setup, you must have completed the installer training and received your installer login. To complete the next steps, you need:

- Installer login
- Activation label (including the MAC address), if not already applied to top cap
- A smartphone with a camera, QR code scanning (usually built into the camera app), Internet connectivity, and the app
- The exact location (to the parking space) where the CP6000 charging station is physically installed

Power Up

Power up the station at the breaker panel. If the station does not power up, turn power back off and check that the head assembly is fully seated into the housing.

Make sure that the terminal block is switched ON, Red indicates power is ON, Green indicates power is OFF.



Next Steps

Use either one of the following two methods to configure and pinpoint the charging station:

- ChargePoint Installation Wizard and Pinpoint Portal

  OR

- ChargePoint Installer app

Installation Wizard and the Pinpoint Portal

When you power up the charging station, the on-screen Installation Wizard runs. The wizard verifies operation of the station and performs basic setup tasks.

IMPORTANT: Pinpointing allows drivers to quickly locate the charging station on a map. Ensure you accurately pinpoint the charging station when prompted by the Installation Wizard.

Before running the Installation Wizard, ensure you have:

- The new charging station's activation label (located on the plastic film protecting the front of the charging station; a spare label is included in the shipping box)
- Smartphone or laptop with a QR-code scanner, camera, and Internet connection
- Your ChargePoint Certified Installer user name and password

The Installation Wizard includes these tasks:

- Set a language for the Installation Wizard.

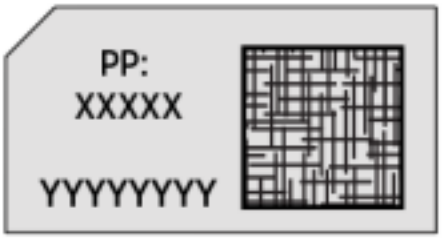
  NOTE: This does not permanently affect the station's display language. Choose the language most convenient to you.

- Configure power
- Check for faults
- Test network connectivity
- Complete the post-installation checklist

If your smartphone has a scanning app:

1. Open a QR code scanning app.

   Point the camera at the QR code on the activation sticker.



   Your device is automatically redirected to the installer pinpointing page. Confirm that the URL of the page is o.chargepoint.com.

2. Log into the installer site using your installer login. Tap **Log In**.
3. Confirm the MAC address and activation password are automatically entered and correct.
4. Tap **Next**.
5. Follow the prompts to complete the pinpointing process.

If your smartphone does not have a scanning app:

1. Using your smartphone, navigate to o.chargepoint.com.
2. Enter the MAC address and activation password printed on the activation label.
3. Tap **Next**.
4. Follow the prompts to complete the pinpointing process.

ChargePointInstaller app

Use the ChargePointInstaller app to complete the station setup procedure.

1. If you do not already have the Installer app, scan the QR code to download the app, and sign up.

2. Open the ChargePointInstaller app and log in.

> **IMPORTANT:** For Ethernet connectivity, use the Installer App in **Offline Mode** to configure the station. The **Offline Mode** option is available in the **Settings** tab. This step is required.

3. Select **Configure**.
4. Confirm you have all required materials to continue activation, and select **Yes**.
5. Follow the prompts in the Installer app.

Start a Charging Session

Once the Installation Wizard or Installer app setup is complete, use the app to start a test session. Verify that you can:

- Initiate a charging session
- Unlock the holster and pull out the charge handle
- Plug the handle into the emulator (if available)
- Holster the handle
- Verify that the handle is locked again

Complete the Checklist for CP6000

Before leaving the installation site, complete the post-installation checklist using the link below:

https://docs.chargepoint.com/ref-docs-sec/content/pdfs/2-ac/cp6000/cp6000-checklist.pdf

Provide the checklist and any spare parts to the person responsible for activating the stations. This completes the installation of the CP6000 charging station.

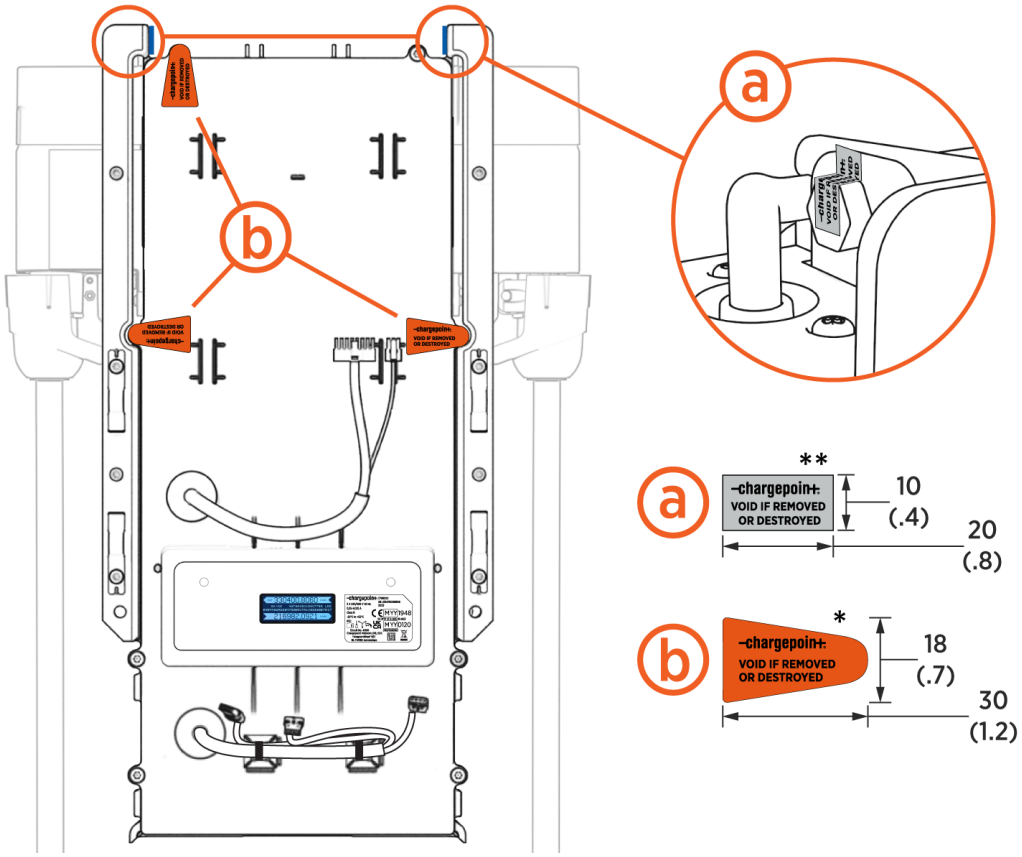
Appendix: Protection Labels A

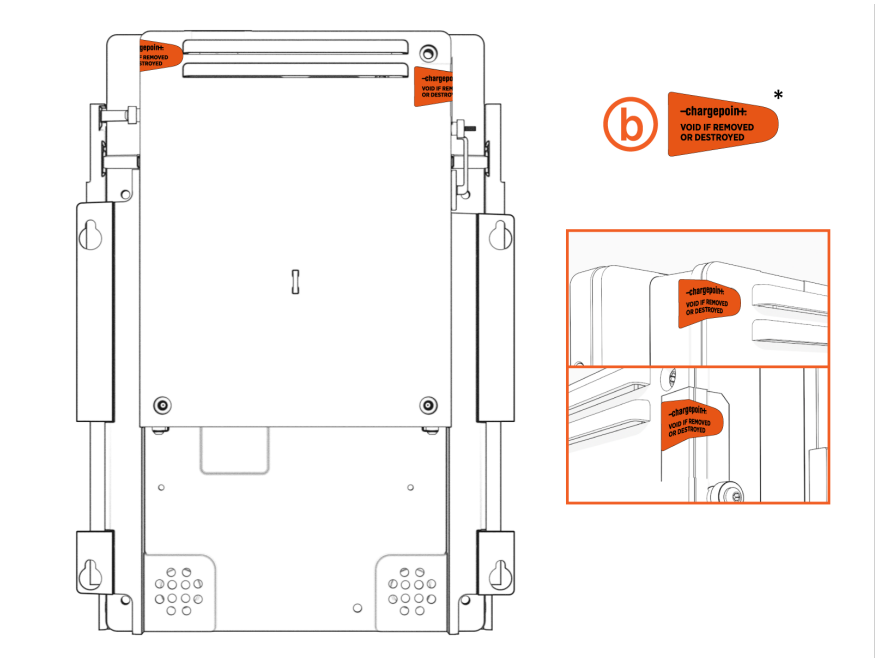
Components of the CP6000 have self destructive tamper proof labels applied by the manufacturer in several locations **(a)** and **(b)**. Components of the CP6000 also have self destructive tamper proof labels applied by users in some locations **(c)** **(optional)**.

* VOID IF REMOVED OR DESTROYED

** VOID IF REMOVED OR DESTROYED

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





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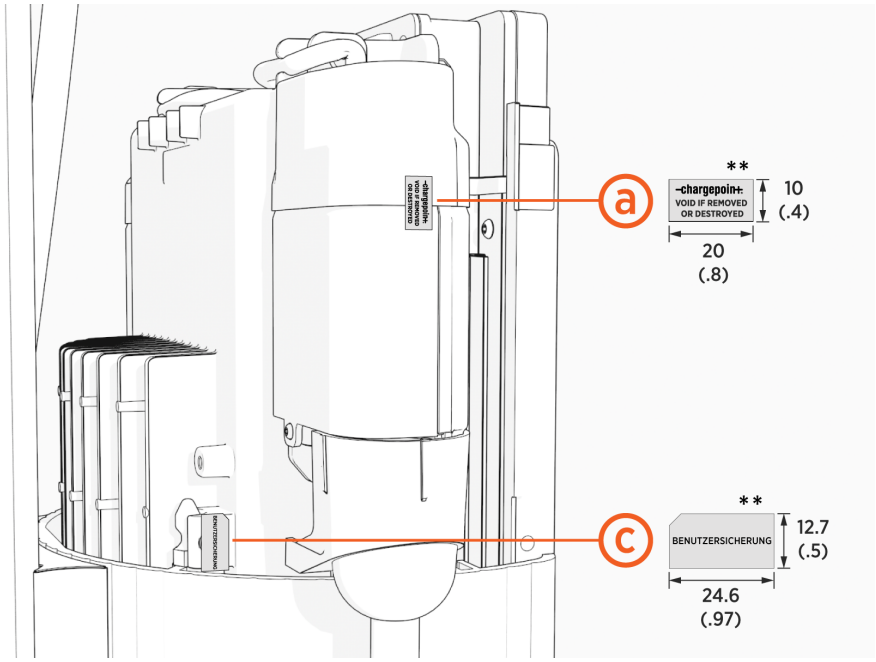


For more information on Eichrecht requirements and head unit tamper evident sealing labels, refer to Protection Label Guide.

Tampered or Damaged Labels (Seals) on Eichrecht-Compliant Charging Stations

Eichrecht Requirements - Calibration Law

After an Eichrecht-compliant charging station is placed in the field, the responsibility shifts from the notified bodies (e.g., PTB (National Metrology Institute of Germany)) to the federal calibration authorities in Germany. These authorities are tasked with overseeing the proper functioning of measuring devices used in commercial settings.

For handling damaged or tampered labels, note the following:

- Check the manufacturer seal for any signs of damage, voiding, or tampering during installation.
- Avoid damaging any seals during the installation process.

> **NOTE:** An Eichrecht-compliant station with a damaged manufacturer label is deemed invalid for the calibration period and must not be used commercially until the charging station has been checked and recalibrated by the calibration authority.

- Only authorized and qualified personnel should replace damaged seals in the field (placed by the manufacturer in the factory (manufacturer seal)).
- After replacing a seal, inform the appropriate Calibration Authority about the seal replacement.
- Once notified, the calibration authority must inspect and calibrate the charging station to restore the station's full Eichrecht-compliance.
- Before leaving the installation site, make sure to check if the all the seals are intact.

Calibration Authority Notification

The contact details of the responsible calibration authority can be found on the (https://agme.de) website.

1. Click **Adressen / Verzeichnisse** tab and select **Eichbehörden (alle Standorte)**.
2. Alternatively, select **Eichdirektionen**, which serves as the headquarters for each federal state in Germany.

> **NOTE:** Choose a calibration authority located in the same federal state as the charging station's installation site. The responsible authority may not be determined solely based on close proximity. For example, if installing a station in Bavaria near the Baden-Württemberg border, select the nearest authority in Bavaria, not in Baden-Württemberg. In case of uncertainty, the calibration authorities will direct the installers to the correct authority or forward the correspondence accordingly.

Appendix: Install USB to Ethernet Module B

Installing the USB to Ethernet Module enables the CP6000 charging station to connect to a local Ethernet network for LAN based data communication.

The module has a USB port connector on one end to plug into the USB port of the CP6000 charging station and a RJ45 Ethernet port on the other end to connect an Ethernet cable. The RJ45 Ethernet connector is clamped with a ferrite to reduce electromagnetic interference (EMI).

NOTE: Cat 6a shielded Ethernet cable is compatible with the RJ45 Shielded Quickon Connector (or the Ethernet connector) provided in the Ethernet Kit.

Important Considerations

- Outdoor rated Cat 6 and above cables (Cat 6a, Cat 7, Cat 7a, Cat 8) must be used for runs less than 100m (300 feet). Ethernet runs longer than 100m (300 feet) are not recommended.
- The cable must be shielded.
- The cable's shield must be earthed/grounded at the installation site.
- One ferrite cable core, model Wurth 742 758 15, must be placed inside the charger on the LAN cable, as close as possible to the input of the RJ45 Ethernet connector.
- The station owner must complete and return to a ChargePoint representative a completed and signed Ethernet Site Qualification Form prior to the installation of the USB to Ethernet Module.

NOTE: The replacement kit includes an L-wrench with a T25 driver on one end and a 4 mm hex fitting on the other end.

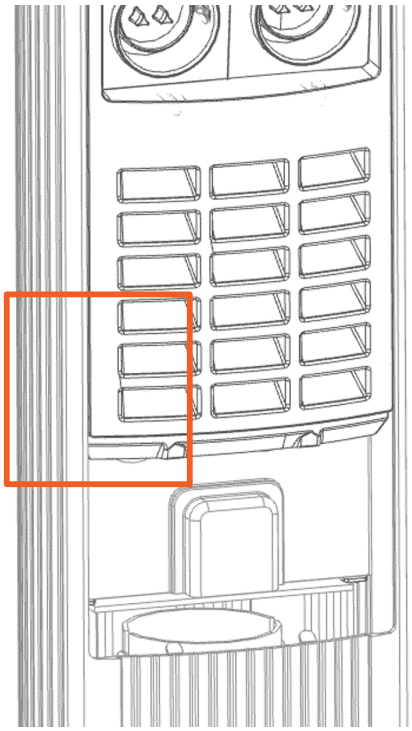
IMPORTANT: The charging station with the faulty part must have an Activated status.

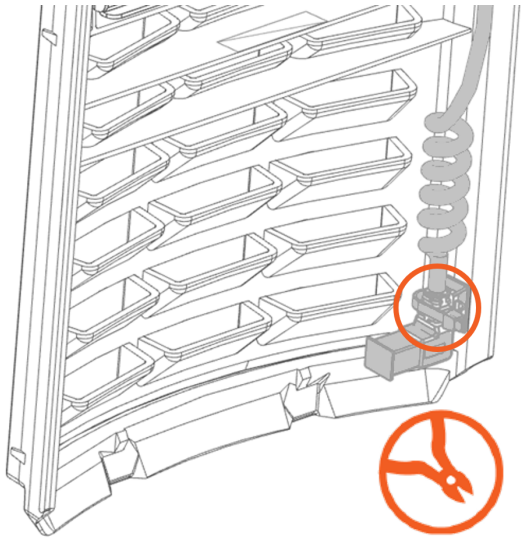
NOTE: These charging stations are available in several configurations. The images in this guide might not match your station exactly; however, the installation steps are the same unless otherwise noted.

Install the Module

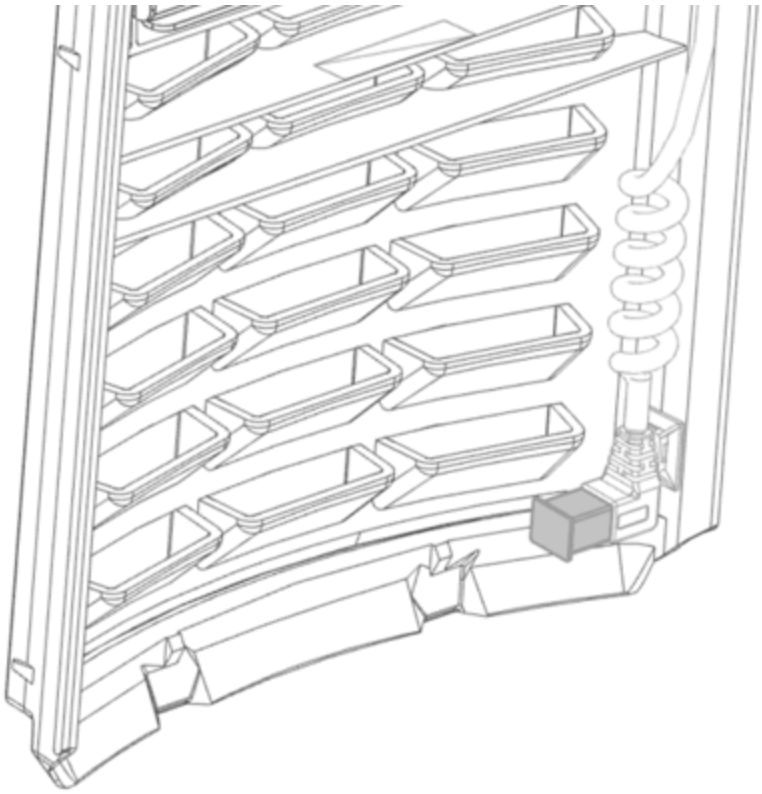
Complete the following steps to install the USB to Ethernet Module:

1. Cut the zip tie securing the USB-C cable to the holster frame.





2. Remove the dust cover from the USB cable and discard it.

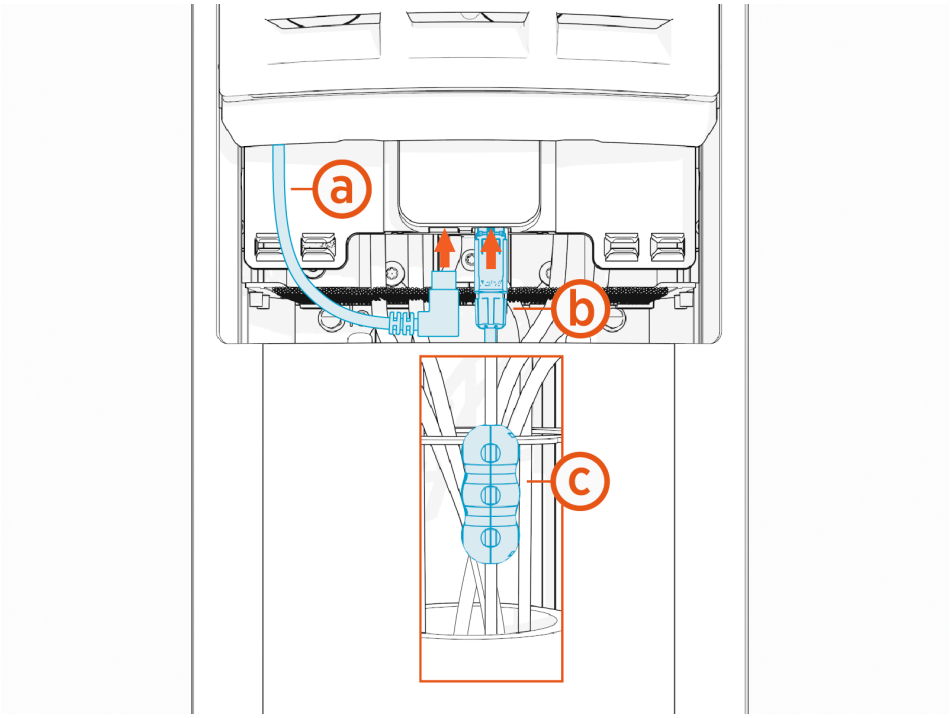


3. Install the cables and accessories:

   (a) Connect the USB cable to the Ethernet Module.

   (b) Attach the Ethernet connector to the Ethernet cable, and then connect the Ethernet cable to the Ethernet Module.

   (c) The module includes one ferrite. Ensure the ferrite is securely attached to the RJ45 Ethernet connector of the module.



4. Return to Step 8.

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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