

# Express Plus

## DC Fast Charging Platform

### Installation Guide







# IMPORTANT SAFETY INSTRUCTIONS

## SAVE THESE INSTRUCTIONS

This manual contains important instructions for ChargePoint® products that shall be followed during installation, operation and maintenance of each product.

### WARNING:



1. **Read and follow all warnings and instructions before servicing, installing, or operating the ChargePoint® product.** Install and operate only as instructed. Failure to do so may lead to death, injury, or property damage, and will void the Limited Warranty.
2. **Only use licensed professionals to install your ChargePoint product and adhere to all national and local building codes and standards.** Before installing the ChargePoint product, 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. Inspect the product for proper installation before use.
3. **Always ground the ChargePoint product.** A touch current of >3.5 mA AC RMS is possible in case of a fault condition of loss of electrical continuity of the earthing conductor. Failure to ground the product can lead to risk of electrocution or fire. The product 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 product using a ChargePoint-approved method.** Failure to install on a surface that can support the full weight of the product can result in death, personal injury, or property damage. Inspect the product for proper installation before use.
5. **The product is not suitable for use in Class 1 hazardous locations, such as near flammable, explosive, or combustible vapors or gases.**
6. **Supervise children near this device.**
7. **Do not put fingers into the electric vehicle connector or connector adapter. Do not touch fingers to charging rails.**
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, the flexible output cable, the vehicle inlet, the electric vehicle connector, or the electric vehicle connector adapter is broken, cracked, open, or shows any other signs of damage. Do not use this product if internal parts are accessible, including wiring.**
10. **Wire and wire terminal information are provided in the ChargePoint product Site Design Guide and Installation Guide.**
11. **Torques for installation of wire terminals are provided in the ChargePoint product Installation Guide.**
12. **The ChargePoint product maximum operating temperature is 50 °C (122 °F).**



13. **Do not use an electric vehicle connector adapter with any charger or EV that is capable of exceeding the adapter's rated voltage of current capacity. Some EVs and EVSE combinations are capable of multiple voltages or limited durations of current overloading designed for normal EVSE-to-EV connections. Use of an electric vehicle connector adapter in these situations could result in unsafe conditions such as fire, burns, or exposure of high voltage.**



**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.

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# 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
September, 2025	v1	In section <a href="#">Prepare for Installation</a> , added information related to auto transformers and neutral-to-ground bonding.

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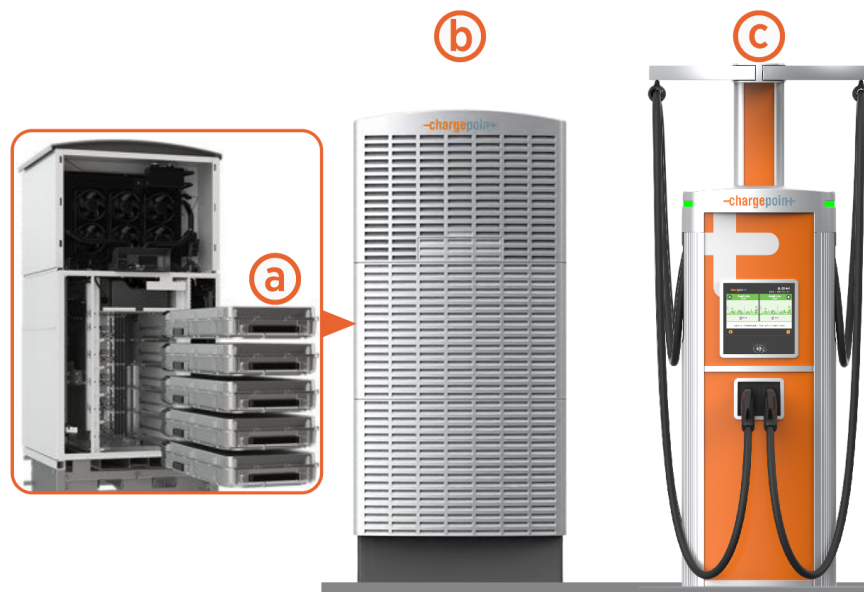
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# Prepare for Installation 1

Follow this topic to install the ChargePoint® Express Plus DC fast-charging platform. You will need at least two people to install this system. For more information, refer to the following topics:

## Express Plus Components

Express Plus is a scalable DC fast charging platform that is based on the modular building blocks outlined below.



- (a) Power Module: Self-contained AC to DC power conversion system that operates an output of between 100 and 1000 V and delivers up to 40 kW of power.
- (b) Power Block: Power cabinet that houses up to five Power Modules and supplies DC output power to Power Link 1000s. Each Power Block can output up to 200 kW of power.
- (c) Power Link 1000: Dispenser that delivers DC power to EVs through flexible, lightweight charging cables equipped with industry standard connectors such as CCS1, CCS2, CHAdeMO, and NACS. The Power Link 1000 can accommodate up to two charging cables. Built-in cellular networking enables remote management via the ChargePoint Platform.

## Check Site Readiness

The Power Block and Power Link 1000 can be installed on either a newly poured pad or an existing concrete surface. The Power Block and Power Link 1000 also support wiring run above ground for locations where no underground wiring access exists (such as parking garages) or where underground junction boxes are not permitted.



**WARNING:** If not installed correctly, the ChargePoint charging station may pose a fall hazard, leading to death, personal injury, or property damage. Always use the provided Concrete Mounting Template shown preinstalled here, or a ChargePoint-approved surface mounting solution, to install the ChargePoint charging station. Always install in accordance with applicable codes and standards using licensed professionals. Non approved installation methods are performed at the risk of the contractor and void the Limited One-Year Parts Exchange Warranty.

Before beginning work, check that the site meets these civil and mechanical requirements:

Express PlusPower Block Pre-Installation Checklist		
	Each concrete pad must be fully cured and smooth, and must not exceed a slope of approximately 20 mm per meter (0.25 in per ft).  <b>IMPORTANT:</b> Remove any concrete that is not level with the rest of the surface so you can level the components. Use a grinder or a hammer and chisel to remove any bumps in the concrete.	<input type="checkbox"/>
	Each Power Block concrete pad has either a site drawing approved by a structural engineer for this specific site, or an existing concrete pad that has been approved by a structural engineer for the Power Block's dimensions and weight.	<input type="checkbox"/>
	Each Power Link 1000 pad must conform to the design requirements listed in the <a href="#">Express Plus Site Design Guidelines</a> .	<input type="checkbox"/>
	Walls, fences, or slopes must not prevent water from draining from the pad.	<input type="checkbox"/>
	You have sufficient space around the installation pad to use a forklift and other lifting equipment, unpack crates, remove packing materials, and allow two people to freely move throughout the area.	<input type="checkbox"/>

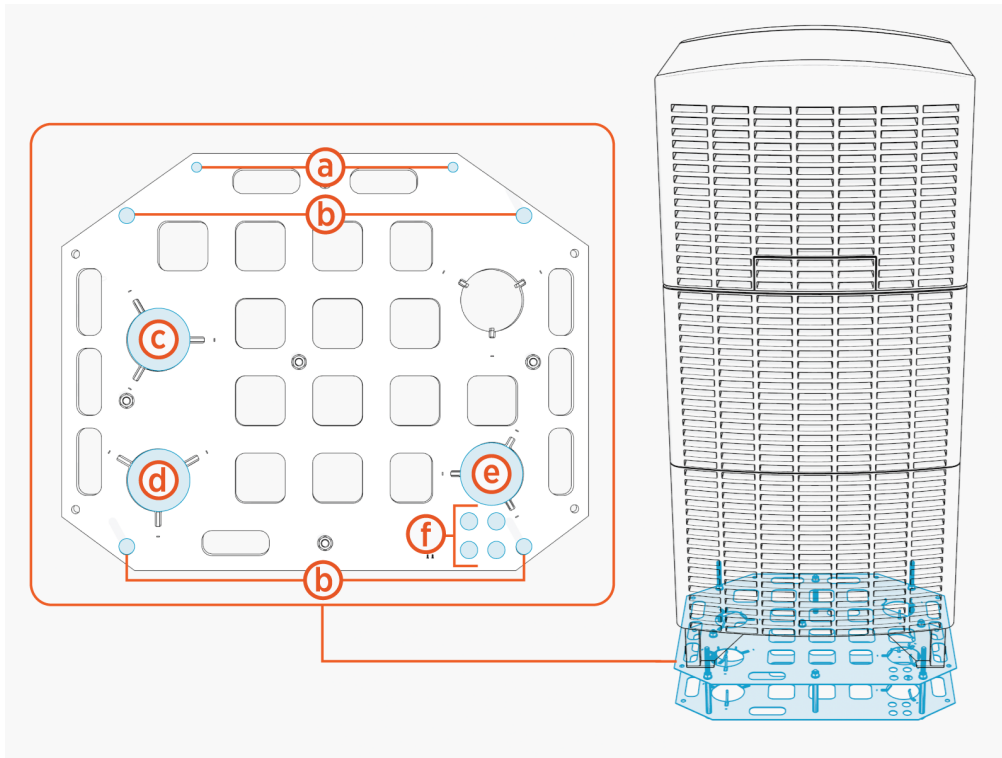
## Power Block Readiness

Ensure that the Power Block is ready for installation. Refer to the following topics for more information:

### Concrete Mounting Template (CMT)

The Power BlockConcrete Mounting Template (CMT) should already be embedded in the concrete pad, unless the site is using a surface-conduit entry. Verify the AC and DC conduits are positioned correctly.





- (a) M16 anchor bolt (x2) locations for mounting SCE gland plate (applicable only for surface entry of wires).
- (b) M16 anchor bolt (x4) locations 76 mm (3 in) above concrete for mounting Power Block.
- (c) HV DC output B wires exit.
- (d) HV DC output A wires exit.
- NOTE:** The DC output of Power Block is the DC input for Power Link 1000.
- (e) AC input wires entry.
- (f) LV DC output, shunt trip wires, and Ethernet cable exit.
  - One for shunt trip (if used).
  - Three for LV wires and Ethernet cable.



**IMPORTANT:** In regions that use conduits, the conduits must be laid per the conduit layout defined by the Concrete Mounting Template (CMT) and the outer diameter of conduits must not exceed the trade sizes listed below. In regions that do not use conduits and/or use armored cables, the cables may be laid per the conduit layout defined by the CMT.

The Concrete Mounting Template CMT must be embedded with its top panel positioned 51 mm (2 in) below the concrete surface.

The following table provides the maximum size and quantity of conduits that can be installed on Power Block:

Conduits For	Conduit Quantity x Trade Size	
	North America	Europe
HV DC output wires	2 x 4 inch max. or 4 x 3 inch max.	2 x 110 mm max. or 4 x 78 mm max.
AC input wires	1 x 4 inch max.	1 x 110 mm max.
LV DC, shunt trip, and Ethernet output wires	4 x 1 inch max.	4 x 25 mm max.

**IMPORTANT:**

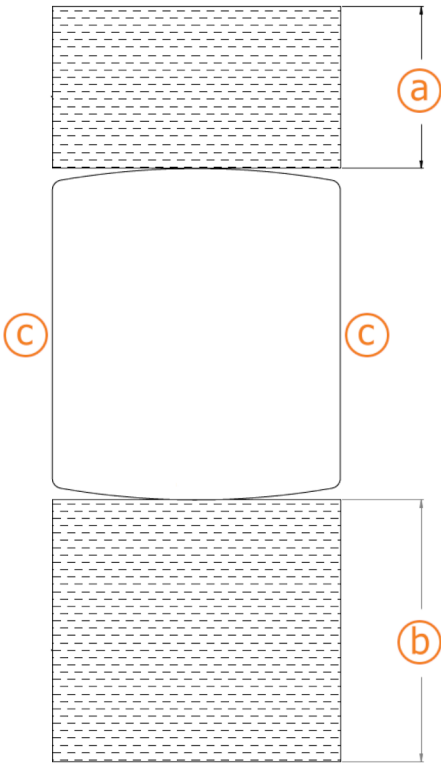


- The actual conduit size and quantity must be chosen based on site-specific wiring requirements.  
For wire specifications, see the Express Plus [Site Design Guide](#).

## Clearances

The Power Block requires minimum site and service clearances.

**NOTE:** Image not to scale.



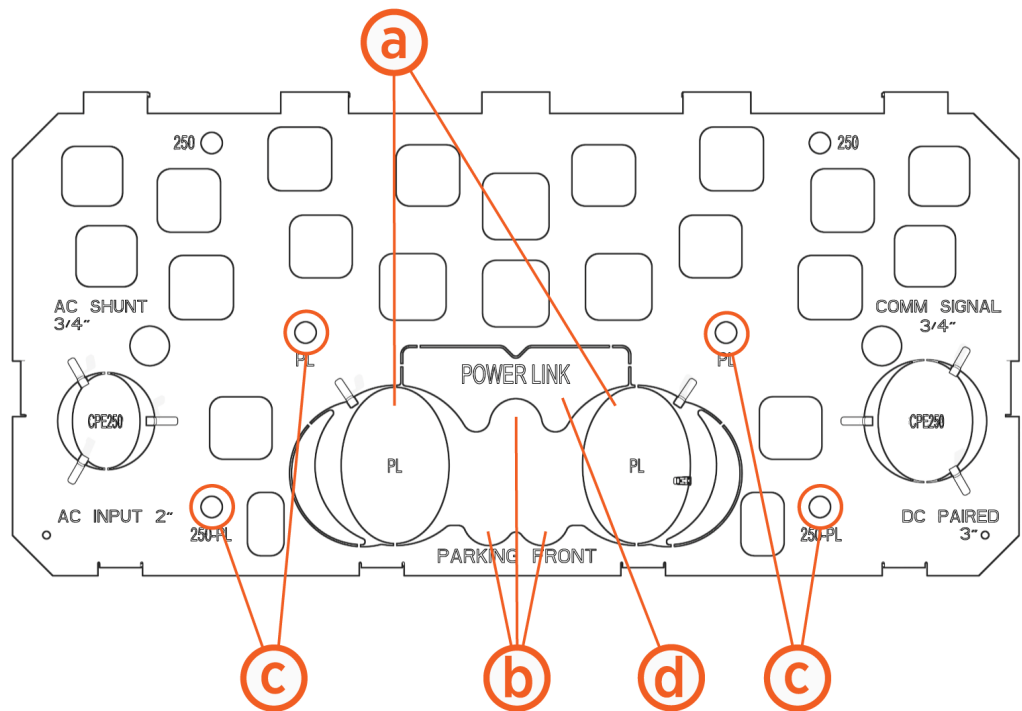
Power Block	Clearance
a. Rear	610 mm (24 in) recommended (for rear service access) 457 mm (18 in) required
b. Front	1000 mm (39.3 in)
c. Side	51 mm (2 in)

# Power Link 1000 Readiness

Ensure that the Power Link 1000 is ready for installation. Refer to the following topics for more information:

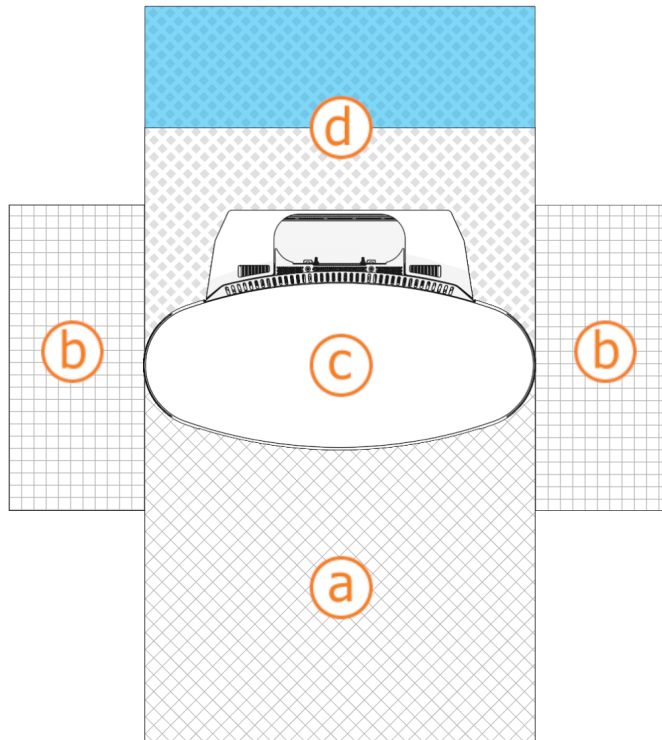
## Concrete Mounting Template (CMT)

If the Power Link 1000 is pedestal-mounted and using stub-up wiring, ensure the Power Link 1000 Concrete Mounting Template (CMT) is already embedded in the concrete pad.



Space For	Max. Size	Max. Quantity
(a) DC input conductors' conduit entry	Each up to 91 mm (3.5 in) trade size conduit	2
(b) 48 V DC wires' and Cat6 Shielded Twisted Pair (STP) Ethernet cable's conduit entry	21 mm (3/4 in) trade size conduit <b>NOTE:</b> Check site drawings.	3
(c) M16 anchor bolts entry	76 mm (3 in) above concrete for mounting Power Link 1000	4

## Clearances



**NOTE:** Image not to scale.

Power Link 1000		Clearance
(a) Front		
	Minimum open space	610 mm (24 in)
	Door swing + width of unit	730 mm (28 3/4 in)
(b) Side		305 mm (12 in) from top corner to top corner Two Power Link 1000 units can share side clearance provided adequate clearance is allowed for Cable Management Kit (CMK) arms. <b>NOTE:</b> CMK arms cannot share side clearance.
(c) Top	Pedestal mounted:	26 mm (1 in) from top of Cable Management Kit (CMK)
	Overhead mounted:	305 mm (12 in) from top of Power Link 1000
(d) Rear		203 mm (8 in).  <b>NOTE:</b> If two Power Link 1000 are positioned back-to-back, there must be at least 610 mm (24 in) of shared clearance.



**CAUTION:** You will need greater clearance for special methods and accessories.

Special Method	Clearance
Surface conduit entry	Rear: 610 mm (24 in)



**CAUTION:** You must meet additional site requirements for special methods and accessories. See the [Express Plus Site Design Guidelines](#).

## General Estimates for Lifting

Power Link 1000 Configuration	Power Link 1000 (no cables or cable management)	Charging Cable Weight	Cable Management Kit (includes swingarms)
Standard	208 kg (459 lbs) (120 kg (283 lbs) Power Link 1000 + 80 kg (176 lbs) pedestal)	~3.2–3.5 kg/m (7 - 8 lbs) longer lengths vary	20 kg (44 lbs)
Overhead Mounted (to a wall, gantry, post, or other surface)	120 kg (265 lbs)		—

## Electrical Readiness

If the site does not meet these basic requirements, contact ChargePoint before continuing.

- The appropriate circuit protection and metering is in place at the installation site.
- A grounding conductor that complies with local codes is properly grounded to earth at the service equipment or, when supplied by a separate system, at the supply transformer.
- A correctly rated, dedicated breaker is installed for each Power Block:

Nominal Voltage	Input Current Rating	Branch Circuit Capacity and Breaker	Breaker Size
Europe: 400 V	315 A	350 A or 400 A	400 A
North America: 480 V	260 A		350 A or 400 A

- Breakers have shunt trip capability (if specified) to each Power Block.
- All necessary electrical infrastructure has been completed per local codes and ChargePoint specifications for 3-phase power plus ground, with properly sized wire at the station. Neutral is not required for system operation, however Neutral-to-ground bonding is required at the Main Distribution Panel (MDP) supplying the charging station.



**IMPORTANT:** This requirement applies to Canadian installations. Whether using a step-up or step-down autotransformer, refer to the "*Hydro-Québec bulletin - Choosing the right one 600/480 V transformer*" for specific guidance.

- Wi-Fi and cellular signal strength meet the requirements stated in the Site Design Guide.

For questions about site specifications, refer to the *Express Plus Datasheet* and *Express Plus Site Design Guide*.



**IMPORTANT:** The Power Link 1000 is tested to IEC 61000-4-5, Level 5 (6 kV @ 3000 A) standards. In geographic areas that experience frequent thunderstorms, supplemental surge protection must be installed at the service panel.

## Bring These Tools and Materials

Installing the Express Plus requires at least two people. Additionally, the installer must bring the following tools and materials. These are not provided by ChargePoint.

### Tools



#### Forklift

- Rated for  $\geq 680$  kg (1500 lb)
- Maximum size of forklift tines:
  - Width = 102–127 mm (4–5 in)
  - Maximum thickness  $\leq 57$  mm (2.25 in)
- If your site has height constraints, use alternative equipment



#### Stepladder



#### Lock out/tag out equipment



#### Hard hat



#### Cut-resistant gloves



#### Safety glasses



#### Head lamp



#### Measuring tape or other tool to measure height, length, and distance



#### Level



#### Use hand to tighten



#### Box cutter

#### Phillips screwdriver set

- #2 Phillips screwdriver with long handle
- #3 Phillips screwdriver
- #5 Phillips screwdriver
- Right angle (90°) #5 Phillips screwdriver



#### Flat head screwdriver

#### Torx wrench set

- T20
- T25
- T30



#### Torx security wrench

- T25

	Torque wrenches for 4 to 95 Nm (3 to 70 ft-lb)		Adjustable wrench
	Socket wrench set including deep sockets, up to 25 mm		Cable puller or fish tape
	Hydraulic hole punch tool (to cut 4 inch holes in gland plate)		Conduit cutters (to cut up to 4 inch conduits)
	Multimeter with Cat III 1000 V ratings, such as Fluke 87V or similar		Ethernet tester such as a Klein Tools VDV526-052 VDV LAN Scout Jr. Tester or similar
	Wire strippers, including Ethernet (Cat6 STP) cable		Ethernet (RJ45) connector crimping tool
	Wire cutters, including Ethernet (Cat6 STP) cable		Lug crimping tool
	Dielectric grease		Torque paint pen
	Cable ties		Permanent marker
	Isopropyl wipes and towel roll		Duct seal compound
	Coolant funnel Two gallon coolant		Padlock provided by station owner if required (for security panel on Power Block)
	Wire brush (to remove concrete from bolts)		Broom and vacuum
	Smartphone with: Internet connectivity		ChargePoint installer login credentials
	QR code scanner (usually built into the camera app)		Exact location of stations or units, including parking space
	Ferrule crimp tool (for 16 mm <sup>2</sup> or 6 AWG wire)		

## Tightening Torque

The tables below provides tightening torque values for Power Block and Power Link 1000.



## Power Block

### Power Link 1000

Component (xFasteners)	Component Material	Tool	Torque
<ul style="list-style-type: none"> <li>Door brackets, upper and lower enclosure (x4)</li> </ul>	Plastic	T25 Security	<b>1 Nm (10 in-lb)</b>
<ul style="list-style-type: none"> <li>Top cap, front (x2)</li> </ul>	Plastic	7 mm socket T20 Torx T25 Security	<b>1.7 Nm (15 in-lb)</b>
<ul style="list-style-type: none"> <li>Overhead CMK screws (x4)</li> </ul>		13 mm socket	<b>11 Nm (97 in-lb)</b>
<ul style="list-style-type: none"> <li>Ethernet to USB mounting nut (x1)</li> </ul>	Metal	8 mm hex	<b>4.5 Nm (40 in-lb)</b>
<ul style="list-style-type: none"> <li>CMK tetherball (x5)</li> <li>Top access panel (x4)</li> </ul>	Metal	T20 Torx T25 Security	<b>2.8 Nm (25 in-lb)</b>
<ul style="list-style-type: none"> <li>Holster (x4 or x8)</li> <li>Top cap, rear (x2)</li> <li>Bottom cap, wall or overhead mount Power Link 1000</li> </ul>	Plastic	T25 Security	
<ul style="list-style-type: none"> <li>Charging cable assembly (x4 or x8)</li> <li>Doors, upper and lower enclosure (x6)</li> <li>Gland plate, wall or overhead mount Power Link 1000</li> </ul>	Metal		<b>4.5 Nm (40 in-lb)</b>
<ul style="list-style-type: none"> <li>Ground wire lug nut (up to x2)</li> <li>Charging cable HV DC wire lug nuts (up to x8)</li> <li>Charging cable ground wire lug nut (up to x2)</li> </ul>		10 mm socket	<b>5.6 Nm (50 in-lb)</b>
<ul style="list-style-type: none"> <li>CMK swingarm assembly (x5)</li> <li>CMK mast (x4 standard, x6 tall)</li> <li>Wall or overhead mounting bracket to Power Link 1000 (x6)</li> </ul>		T25 Security	
<ul style="list-style-type: none"> <li>HV DC wire lug nuts (up to x24)</li> </ul>		17 mm socket	<b>19 Nm (14 ft-lb)</b>
<ul style="list-style-type: none"> <li>Anchor bolt base nuts (x4)</li> </ul>		24 mm deep socket	<b>54.2 Nm (40 ft-lb)</b>
<ul style="list-style-type: none"> <li>Power Link 1000 mounting nuts (x4)</li> </ul>			<b>94.9 Nm (70 ft-lb)</b>
<ul style="list-style-type: none"> <li>Tall CMK assembly screws (x4)</li> </ul>	Metal	6 mm hex	<b>13.5 Nm (120 in-lb)</b>
<ul style="list-style-type: none"> <li>LV input wires terminal tab screws (x2)</li> </ul>	-	Flathead	<b>4 Nm (36 in-lb)</b>

		screwdriver	
<ul style="list-style-type: none"> <li>• Wall or overhead mounting bracket to wall or overhead structure</li> </ul>			Per site plan

## Materials

You will need the following materials for installation:

- AC and ground conductors as required by site drawings
- DC conductors as required by site drawings
- 48 V DC wiring as required by site drawings
- Shunt trip wiring (if on site drawings)
- Power Block DC and AC lugs:
  - Plated copper compression lugs (not mechanical)
  - Must fit M12 stud size
  - Must fit 44.5 mm (1.75 in) hole spacing
  - 2-hole specified for North America
  - Maximum tongue width  $\leq$  50.8 mm (2 in)
- **NOTE:** Check site drawings for quantity of lugs.
- Power Link 1000 DC lugs:
  - Copper plated compression lugs (not mechanical)
  - Must fit M12 stud size
  - Must fit 44.5 mm (1.75 in) hole spacing
  - 2-hole specified for North America
  - Maximum tongue width:
    - $\leq$  48 mm if 2 conductors per line  
or
    - $\leq$  24.5 mm if 3 conductors per line
- **NOTE:** Check site drawings for quantity of lugs.
- Cat6 Shielded Twisted Pair (STP) Ethernet wiring
  - **NOTE:** FTP, UTP, and lesser grades of cable do not have the required noise immunity
- RJ45 shielded connectors
- Type LB conduit body (for overhead installation only) - maximum 3 inch

## Check Express Plus Shipping Crates

Each Express Plus ships in multiple crates. Ensure you have all components at the installation site.

**NOTE:** Refer to the [Power Link 1000 Installation](#) for all the list of components.



**CAUTION:** Always transport and store the charging components in their original packaging. Use appropriate lifting equipment (forklift or crane, lifting straps, and any corresponding attachments and accessories). Ensure the load rating of all lifting equipment is adequate for the weight of the crated components.



**CAUTION:** Keep components in original packaging, free of moisture, and protected from damage until you install or service them at the site. Store all shipments of components in a dry covered location and protect from moisture.



**IMPORTANT:** Leave components in the shipping crate until needed. When removing, protect them from damage (such as scratches) by placing them flat on a blanket or tarp, face up. Do not stand up cover panels, as they may be knocked or blown over. Cover charging connectors to prevent damage or ingress.

Power Block	<ul style="list-style-type: none"> <li>• Power Block unit(s)</li> <li>• Pedestal</li> <li>• Gland plates</li> <li>• Enclosure (upper and lower cabinets together) <ul style="list-style-type: none"> <li>• Lower heat exchanger (dry box hex)</li> </ul> <b>NOTE:</b> This ships in a box inside the lower cabinet of the enclosure. </li> <li>• Fuses</li> <li>• Doors and covers <ul style="list-style-type: none"> <li>• Lower door preinstalled</li> </ul> </li> </ul>
Power Link 1000	<ul style="list-style-type: none"> <li>• Power Link 1000 station(s)</li> <li>• Charging cable(s) (1 or 2 per station)</li> <li>• Cable Management Kit (CMK) or tool balancer</li> </ul>
Power Module	<ul style="list-style-type: none"> <li>• Up to five per Power Block</li> </ul>
Installation Kit	<ul style="list-style-type: none"> <li>• Duct seal compound</li> <li>• Propylene glycol coolant</li> <li>• T25 Torx security screwdriver</li> <li>• Coolant funnel</li> </ul> <b>NOTE:</b> The coolant label references its Material Safety Datasheet.



**WARNING:** Lower heat exchanger and each Power Module are heavy. Two people are needed to install these components.

## Express Plus Guides

Access ChargePoint 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
Concrete Mounting Template Guide	Instructions to embed the charging station template in a concrete pad with anchor bolts and conduit placement (these may also be included in the Site Design Guide)	Site construction contractor
Surface Conduit Entry Kit Guide	Instructions for sites where conduit cannot be run underground	Installer
Construction Signoff Form	Checklists used by contractors to ensure the site is correctly completed and ready for product installation	Site construction contractor
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

## Questions

For assistance, go to [chargepoint.com/support](https://chargepoint.com/support) and contact technical support using the appropriate region-specific number.

# Power Link 1000 Configuration 2

The Power Link 1000 is available in multiple configurations. Before proceeding, check your site plans for the station configuration.

**Note:** Instructions vary for each configuration. Continue to the applicable instructions below.

## Standard pedestal

- Concrete pad
- Surface Conduit Entry

## Mounted off the ground "overhead"

- Wall
- Gantry
- Post
- Other Approved surface

## Cable Management Kit (CMK)

Depending on the required cable reach, the Power Link 1000 can be installed with a standard CMK to manage standard length (5.8 m or 19 ft) charging cables, or with a tall CMK or overhead CMK to manage medium length (7.6 m or 25 ft) charging cables.

Standard CMK



Tall CMK



Overhead CMK



# Install Pedestal Mounted Power 3

## Link 1000

**Note:** When installing a pedestal station with a single cable, you may be provided with a single holster bracket and supplemental side panel blank. It is required to install the single holster bracket to activate and commission the station. For more information, refer to the [Holster and Holster Bracket](#) or [Side Panels \(Pedestal Mounted\)](#) topic in the [Service Guide](#).



**CAUTION:** To protect the charging cables from damage, keep them wrapped throughout the installation process.



**IMPORTANT:** If the site has height constraints for installation, contact ChargePoint to get instructions and clearances that you will need for the modified process.

Alternatively, you may use a forklift bracket kit, or a crane with lifting shackles and a spreader bar (constraints may differ among sites).

## Disconnect Power

To disconnect power, complete the following steps:

### **DANGER:** RISK OF SHOCK



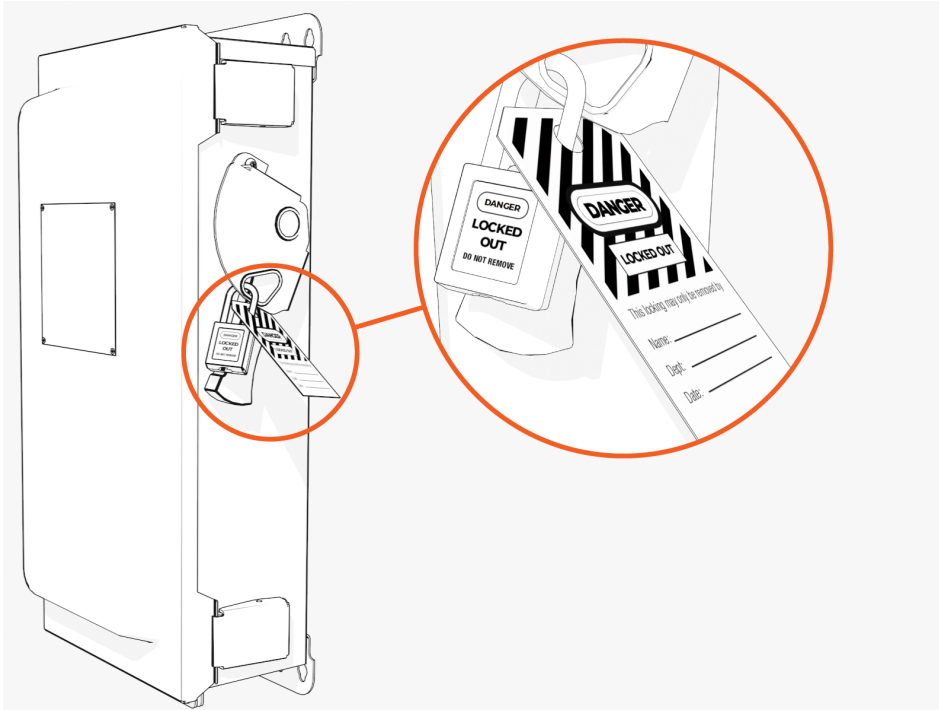
- Before any procedure, disconnect the power.
- Follow local code and site lockout/tagout procedure to de-energize the station.
- Wait for energy to dissipate (approximately five minutes).
- Keep power off until all covers and panels are reinstalled and the work is complete.

FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN SERIOUS INJURY, LOSS OF LIFE, OR PROPERTY DAMAGE.

1. Disconnect power at the site electrical panel.



**NOTE:** Follow standard practice and local code to de-energize the applicable circuit and lock out/tag out the disconnect before proceeding.



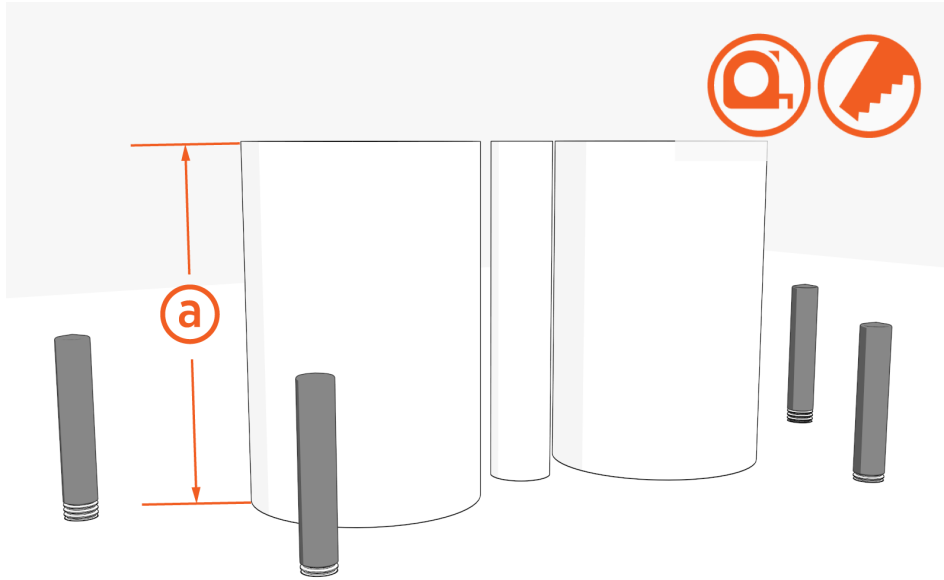
2. Use a multimeter to test that the unit is de-energized.

## Prepare Power Link 1000 Pad

To prepare the Power Link 1000 pad, complete the following steps:

1. Ensure all stub-ups are **(a)** 102–160 mm (4–6.3 in) high.

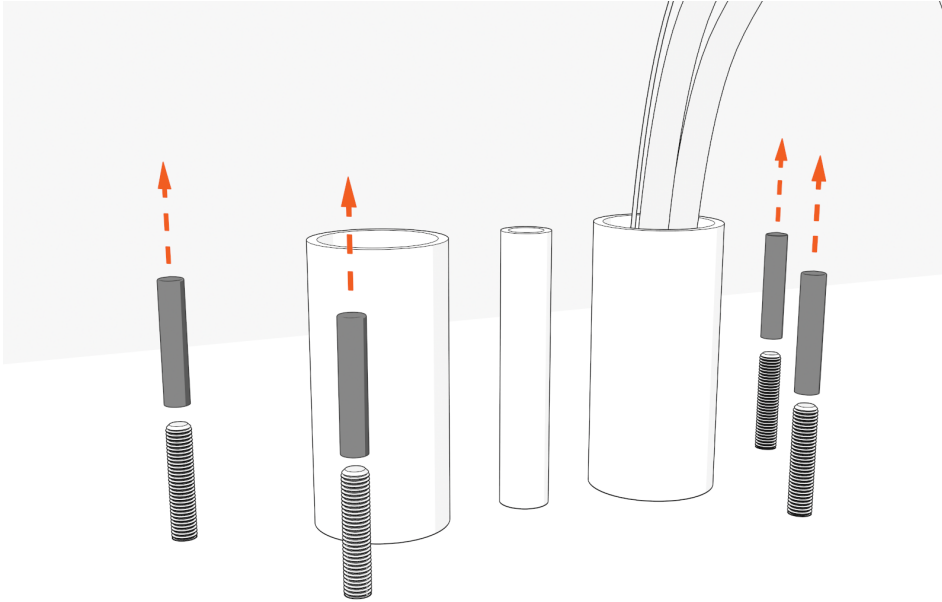
If armored cable is used, strip the outer jacket to the same height.



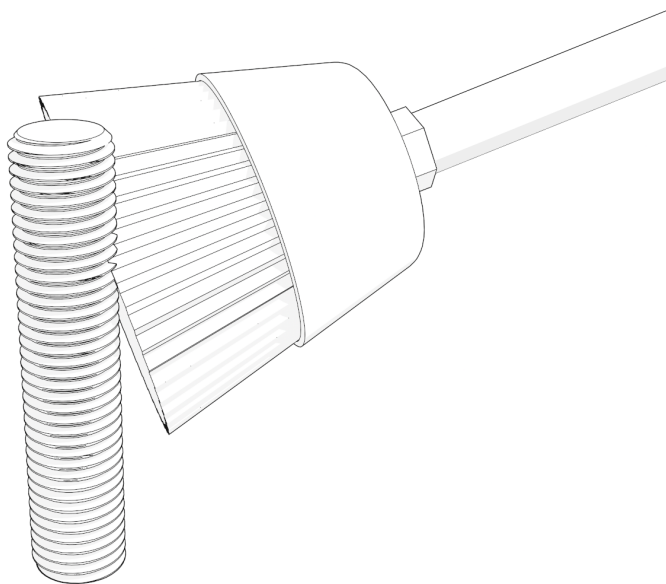


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2. Remove plastic caps.

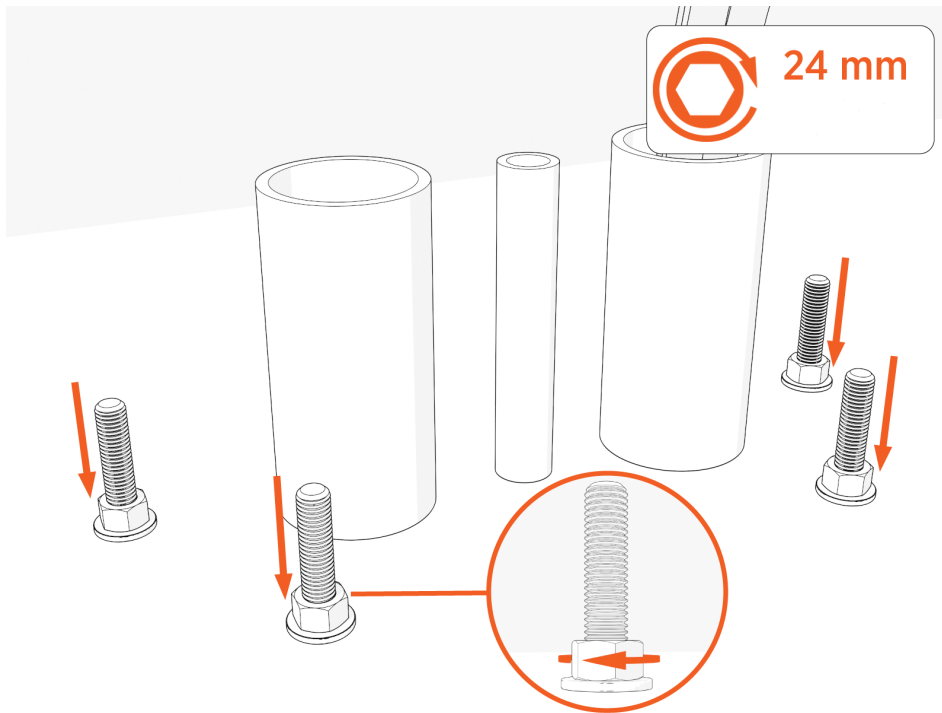


3. Use a wire brush to clean bolt threads.

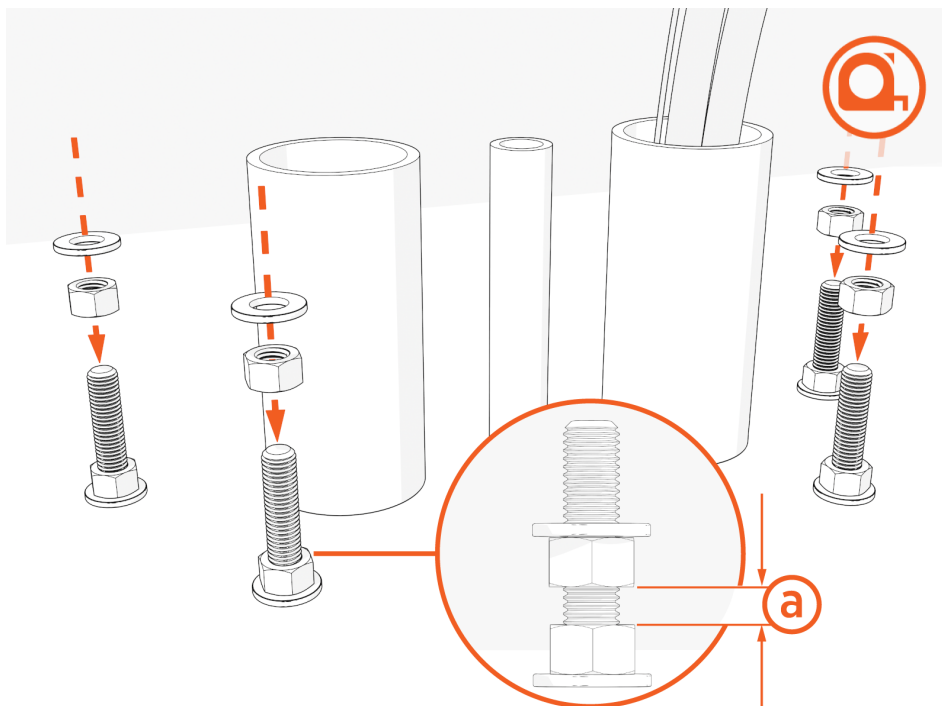


4. Install one concrete clamp washer and nut onto each of the four anchor bolts. Torque to **54 Nm (40 ft-lb)**.

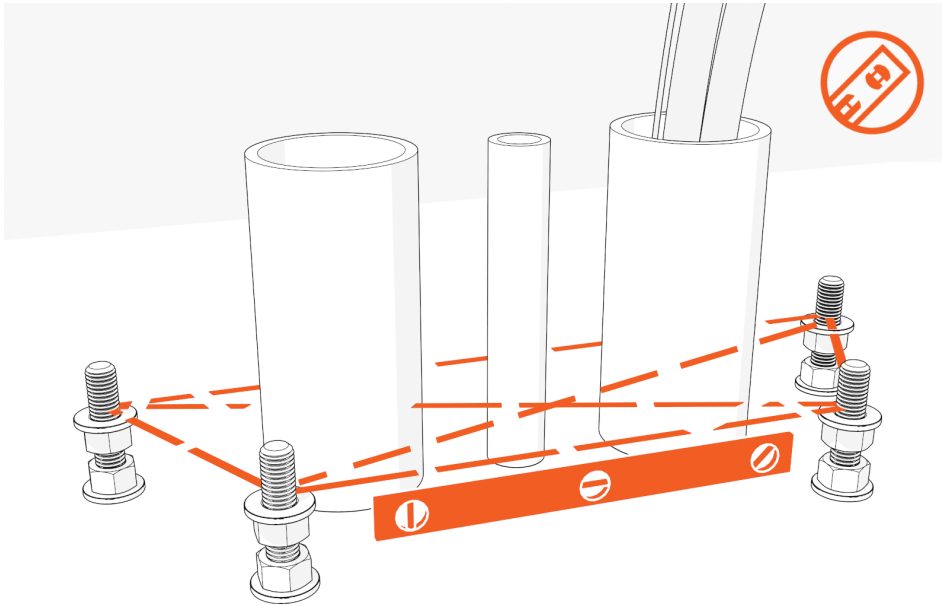
**NOTE:** On epoxied surfaces, do not exceed the epoxy torque rating.



5. Install "leveling" nuts and washers onto the bolts by hand. Maintain a space of (a) ~6.4 mm (1/4 in) between each leveling nut and bottom nut.



6. Check that leveling nuts are level with each other.



7. Pull service wiring through the conduit (see the Express Plus Site Design Guide). Retain 1524 mm (60 in) of service loop for each cable.



**CAUTION:** Do not use conduits with bell ends. They may interfere with tolerances inside the enclosure.

## Mount and Secure Power Link 1000

To mount and secure the Power Link 1000 component, complete the following set of steps:



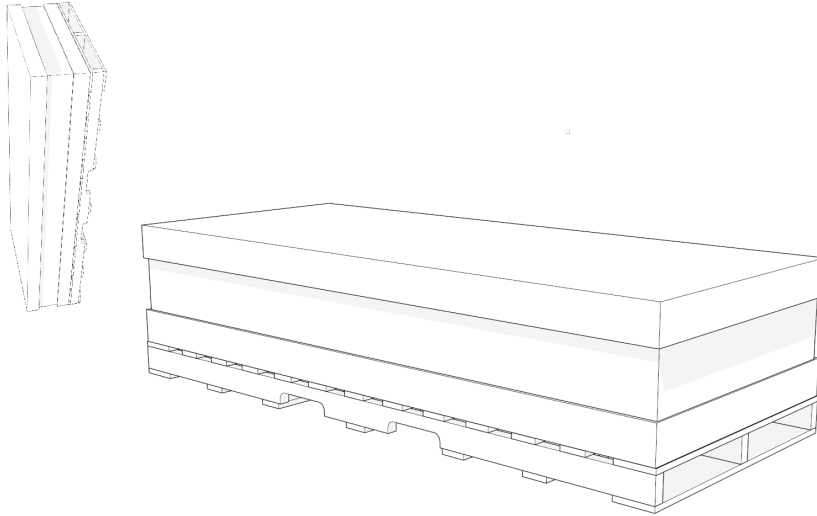
**CAUTION:** To protect the charging cables from damage, keep them wrapped throughout the installation process.

## Unpack

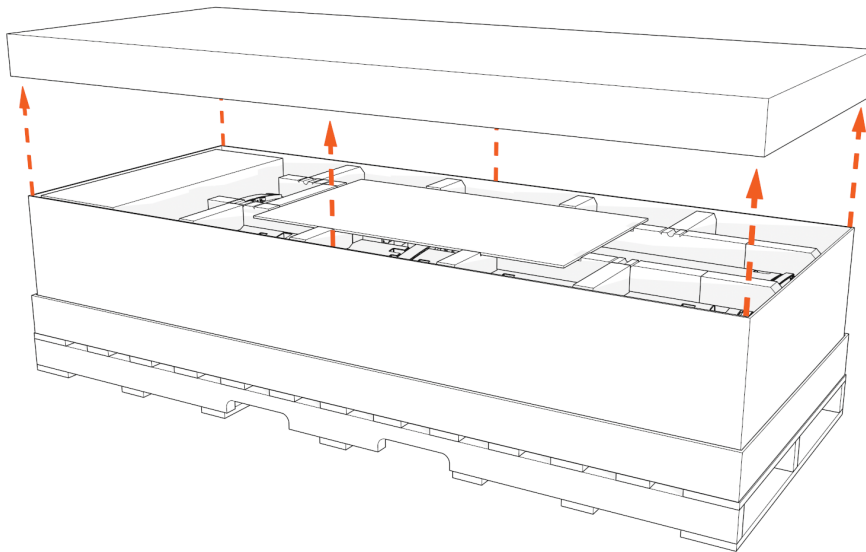
1. Transport the crate upright to the installation site and then lay it down flat.



**WARNING:** The crate is heavy and can cause injury or death if dropped. Do not stand or walk beneath the crate while it is being lifted. Take precautions against the crate tipping or sliding.

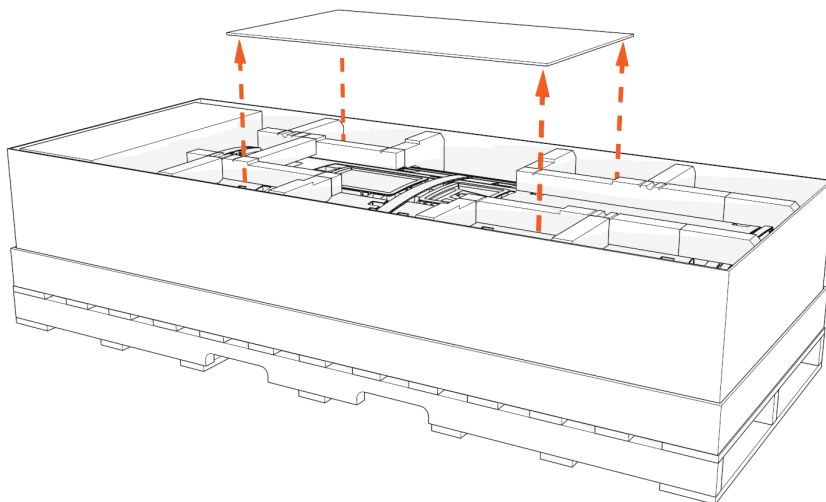


- 
2. Lift off the crate cover.

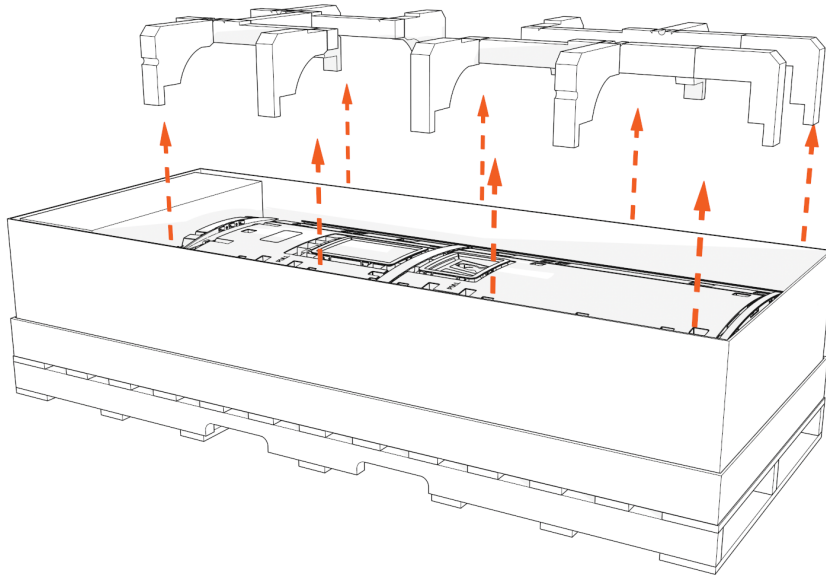


3. Set aside the separate packages that are inside the crate.

**NOTE:** These packages contain vinyl signs, trims, and top cover (helmet) to be installed later.



4. Remove the top foam inserts.



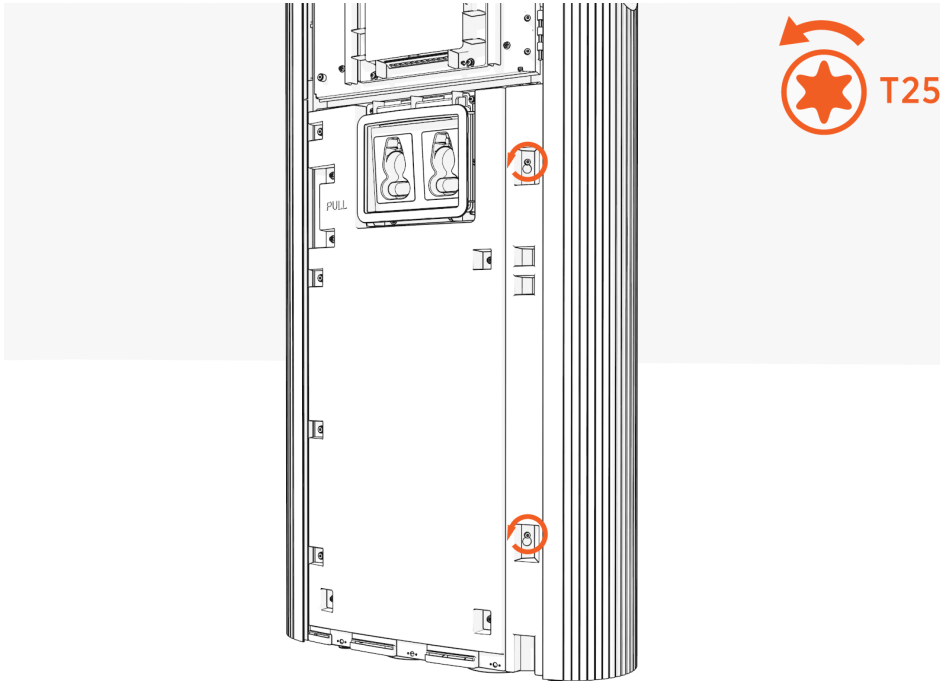
## Access Base of Cabinet

To access the base of the cabinet, complete the following steps:

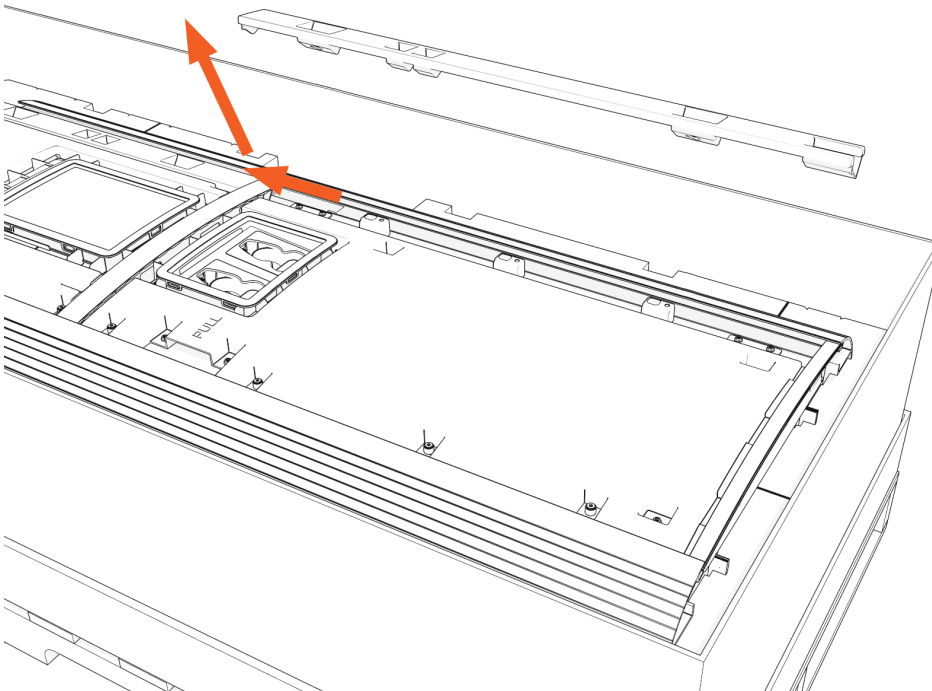


**IMPORTANT:** Keep components in a cool area out of direct sunlight until you reinstall them.

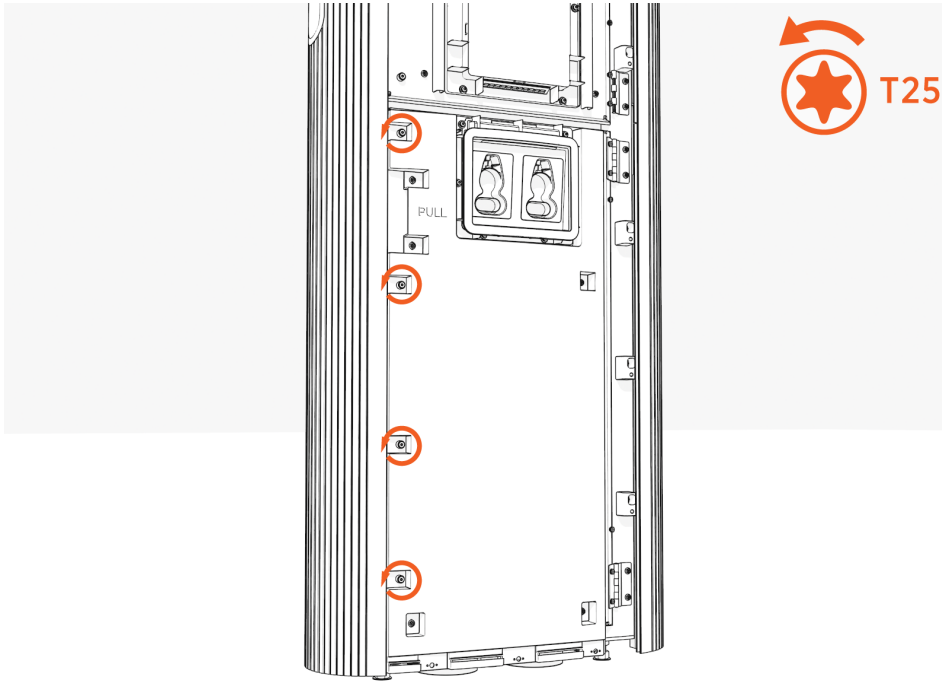
1. Loosen screws from the lower door bracket (only if covers are [unassembled](#)).



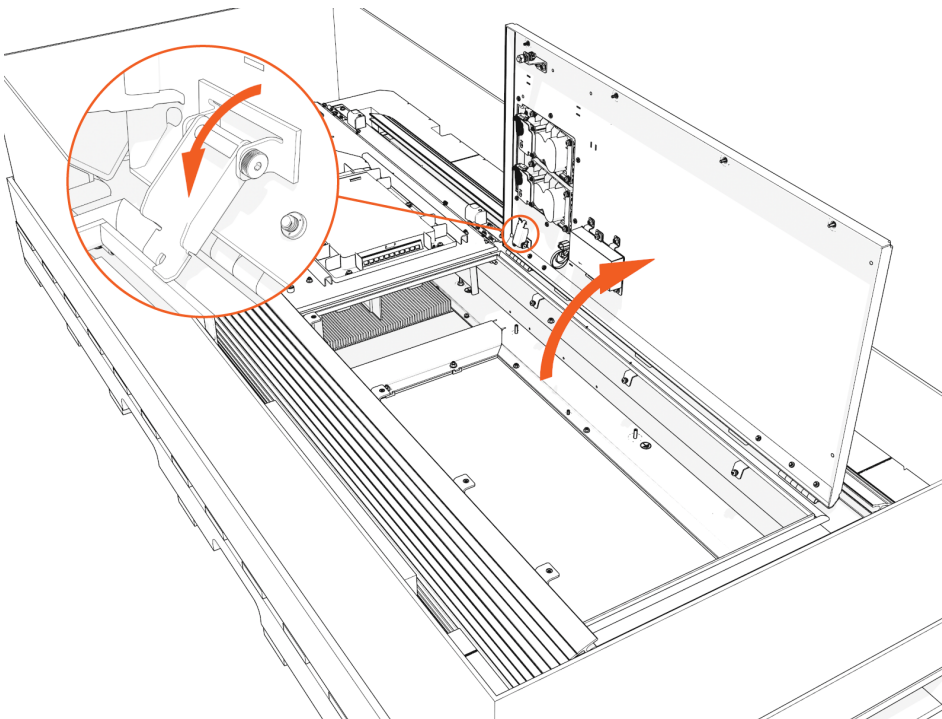
2. Hold the middle of the door bracket. Lift and tilt out.



3. Uninstall screws along the left side to open the door.

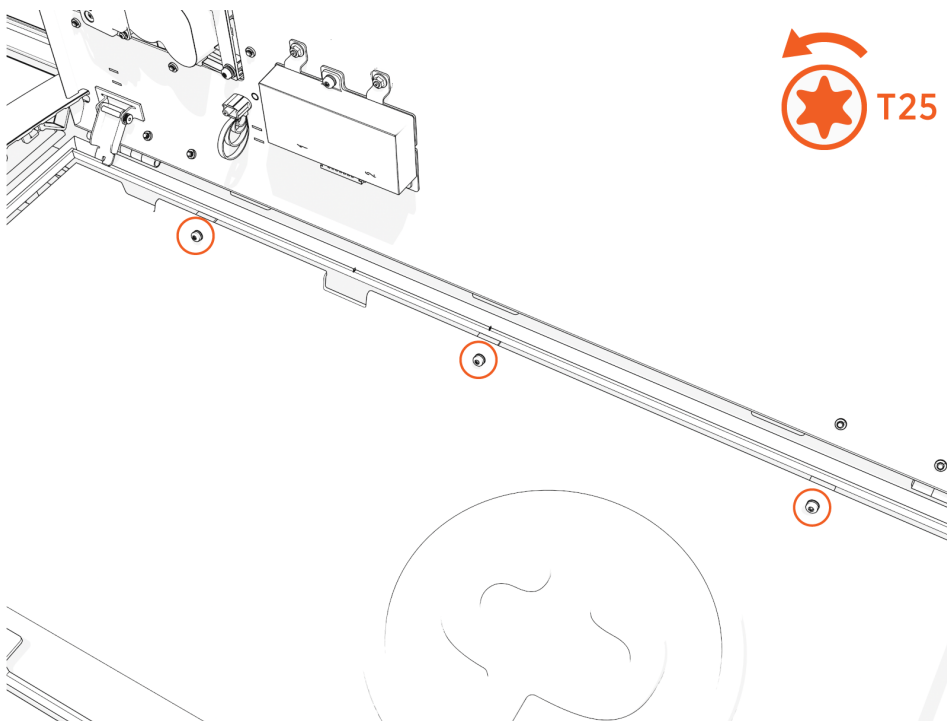


4. Rotate the orange wind stops into the door gap.

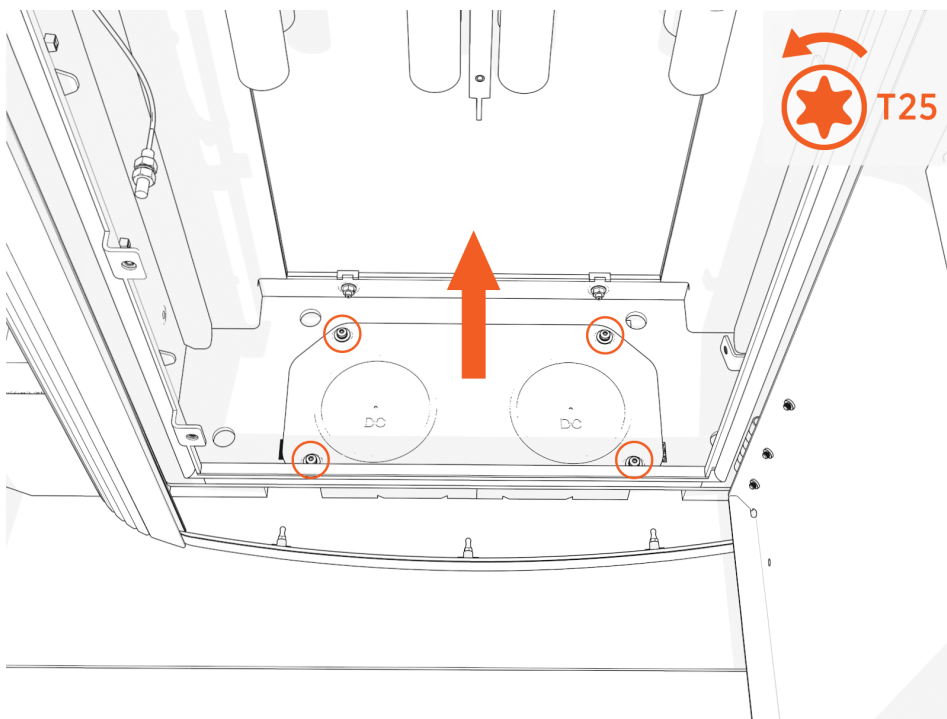


5. Inside the lower cabinet, uninstall the lower safety panel (if present) and gland plate.  
Loosen screws on the right side. Tilt out and slide the panel out of the slots.



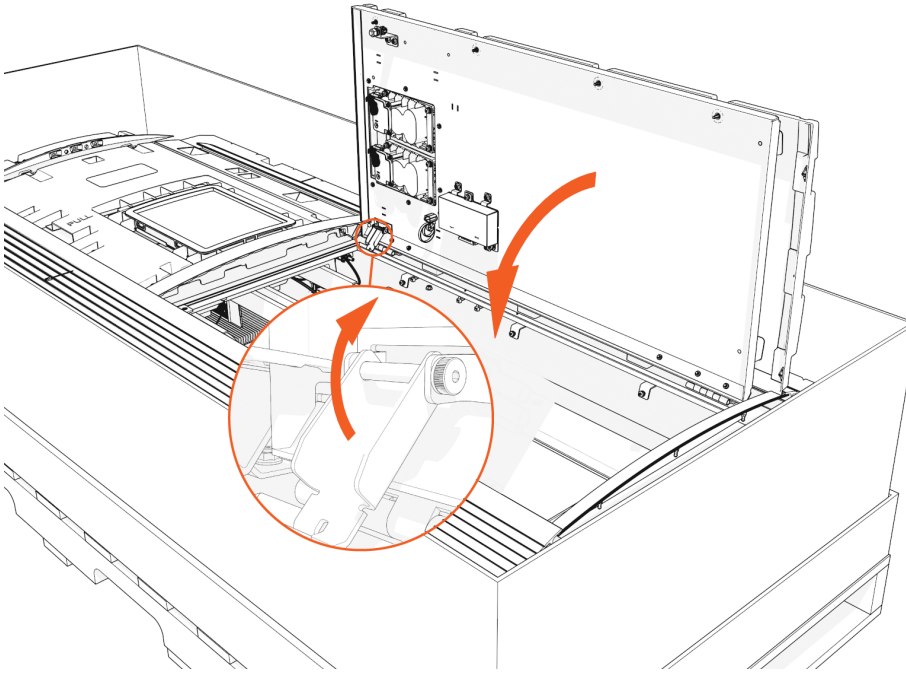


6. Uninstall screws and lift out the gland plate.

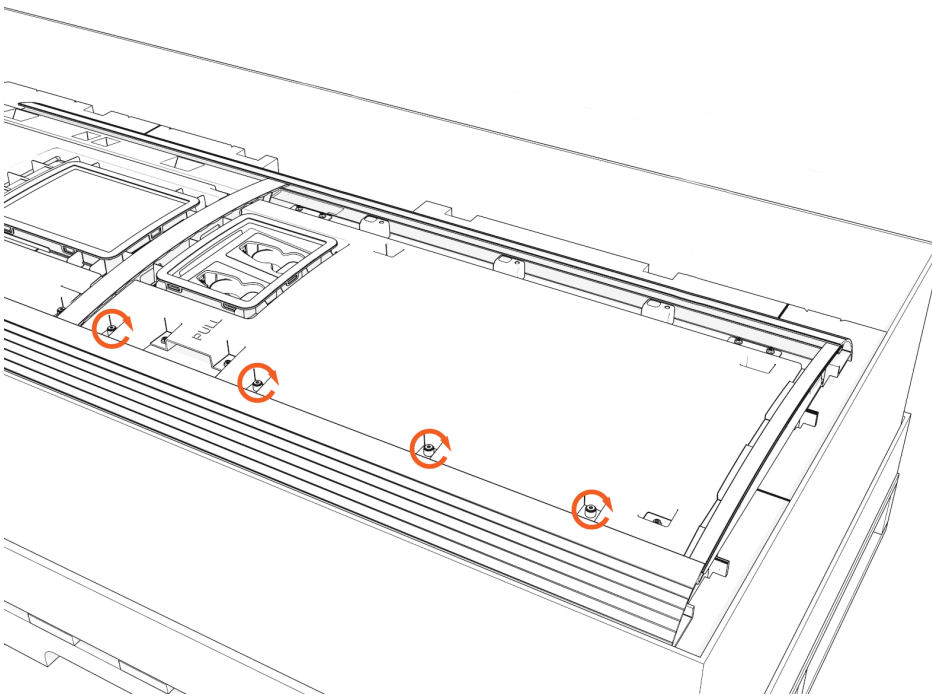


7. Temporarily reinstall the lower door. Disengage the wind stops.

**NOTE:** The upper door should remain closed until a much later step.



- a. Tighten screws by hand.

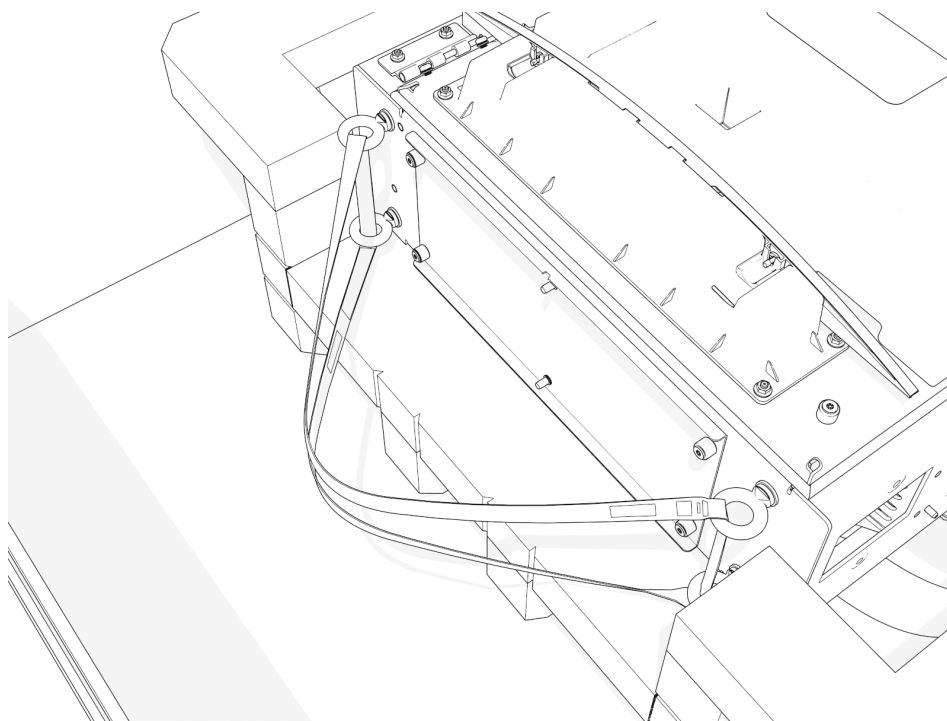


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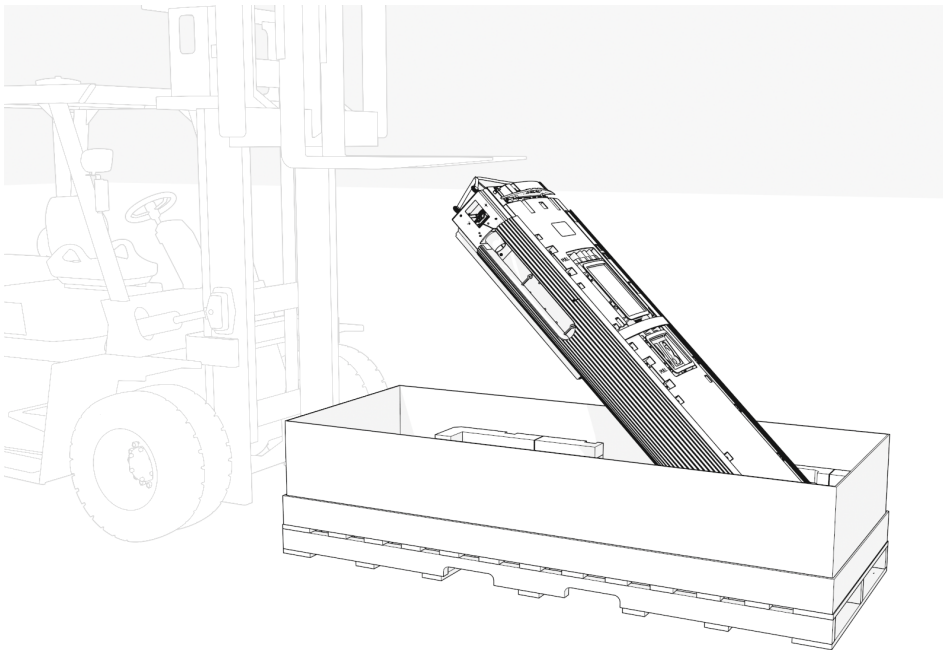
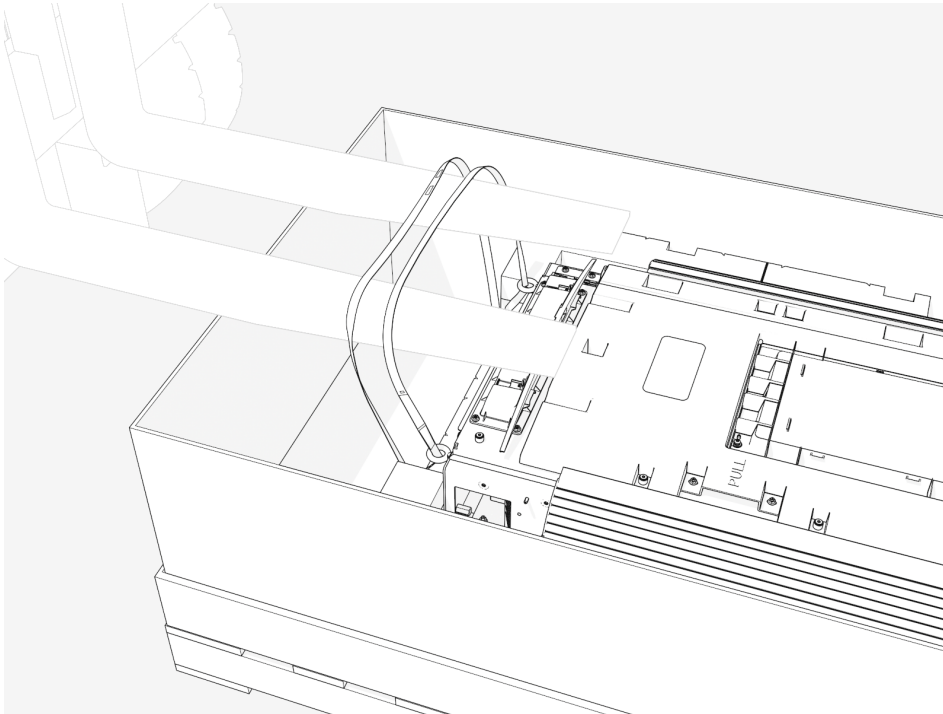
## Position the Power Link 1000

To position the Power Link 1000, complete the following steps:

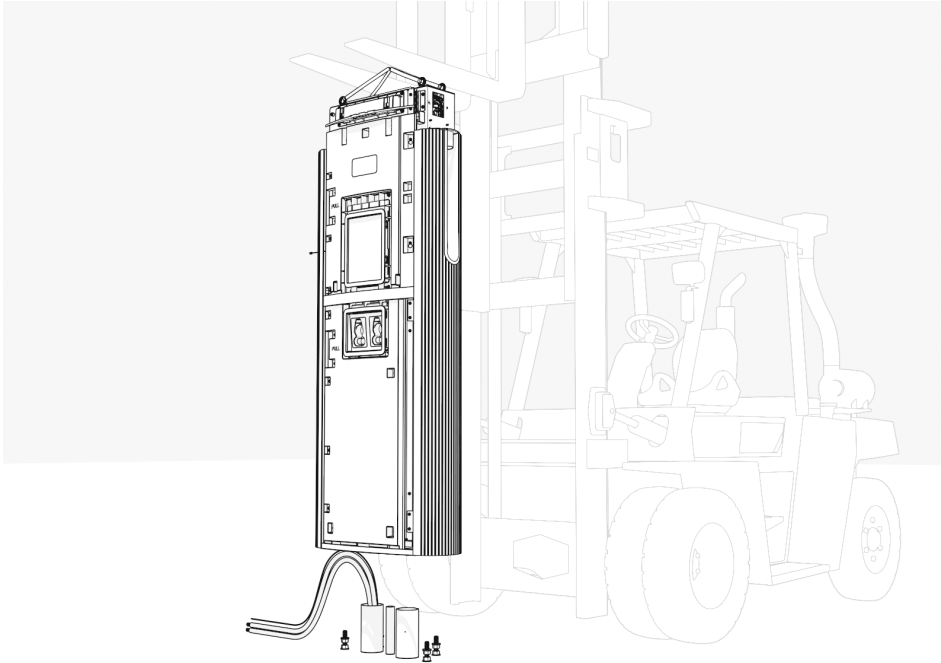
1. At the top of the Power Link 1000, locate four preinstalled eye bolts and lifting straps.



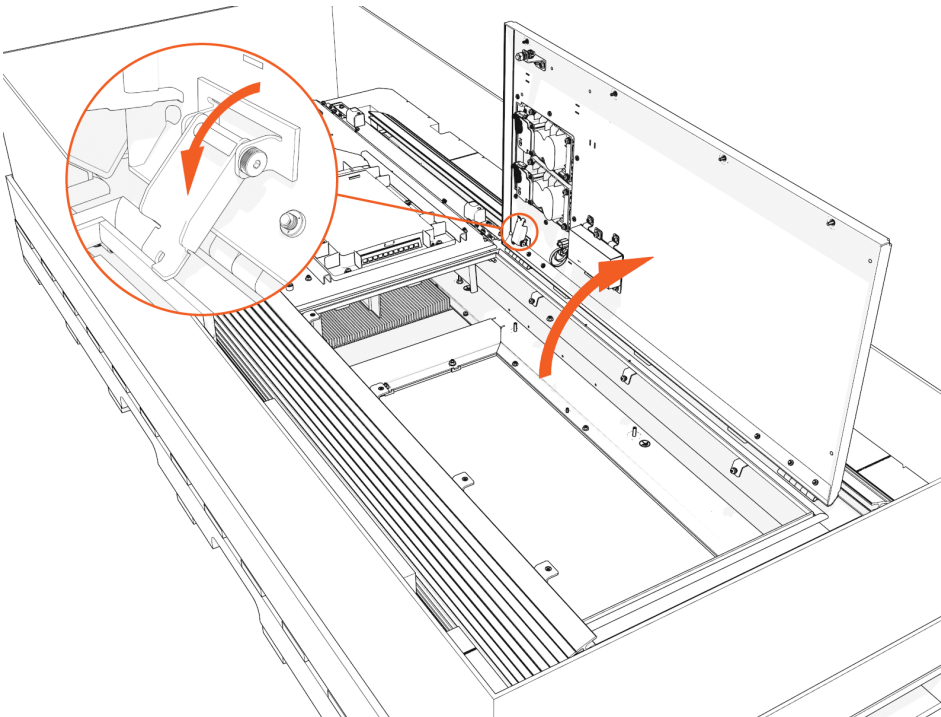
2. Thread the lifting straps through the eye bolts.



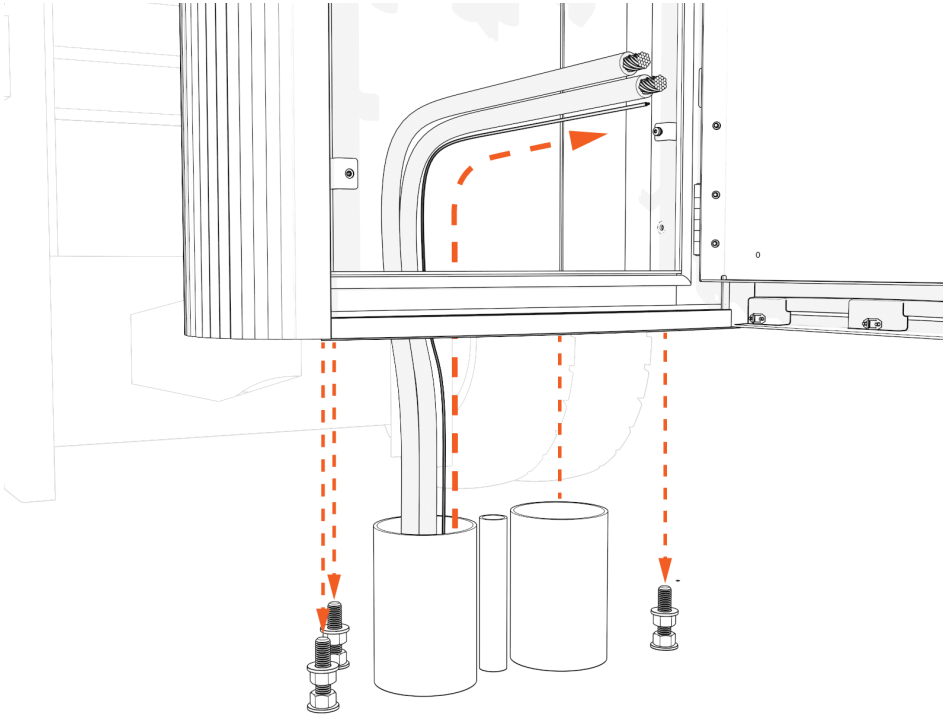
- 
3. Move and suspend the Power Link 1000 above the concrete pad. Keep it elevated.



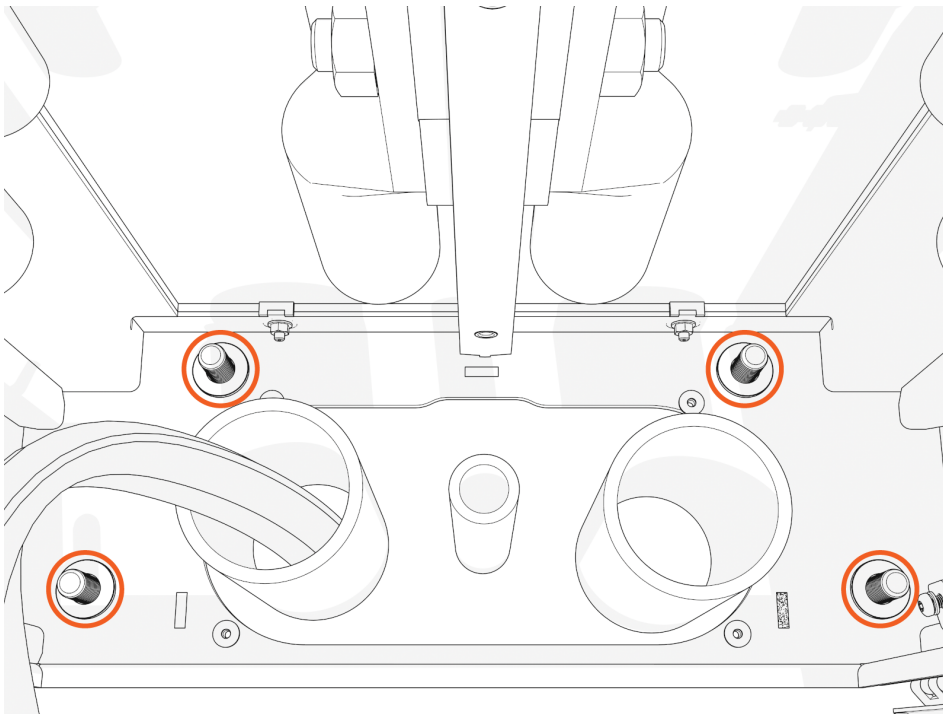
4. Loosen screws to open the lower door again. Engage the wind stops.



5. Route wiring through the bottom.

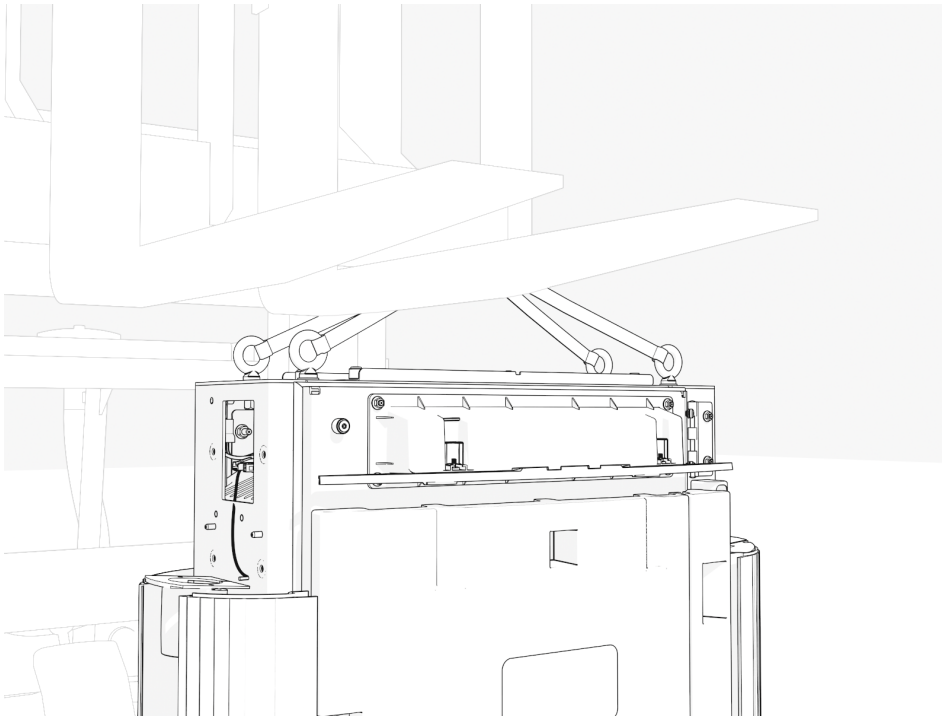


6. Align the holes with the anchor bolts.

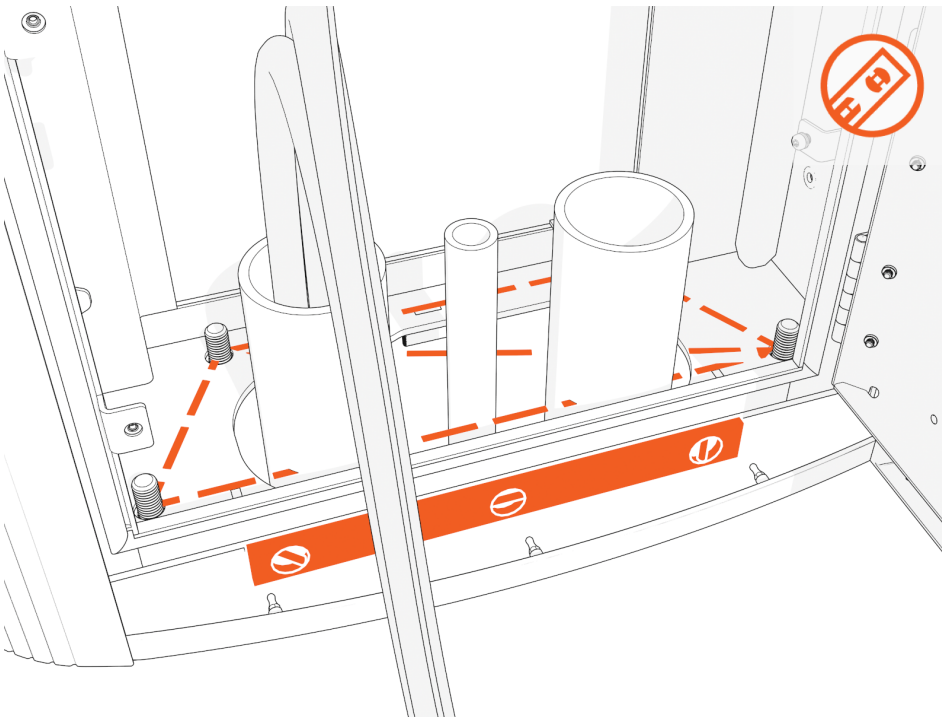


7. Slowly move the Power Link 1000 down onto the anchor bolts. Provide slack to the lift straps, but keep them attached.

**NOTE:** Continue to pull wiring through bottom.



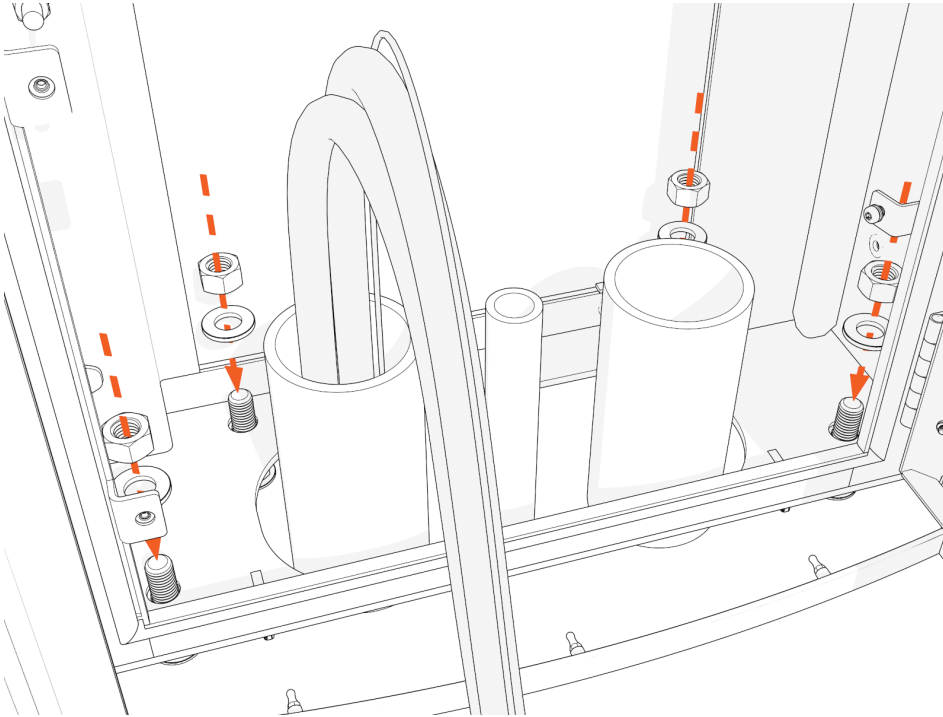
8. When the Power Link 1000 is fully seated, check that all sides are level (vertically and horizontally). If not, adjust three leveling nuts.





9. Partially install a washer and "top" nut onto each bolt by hand.

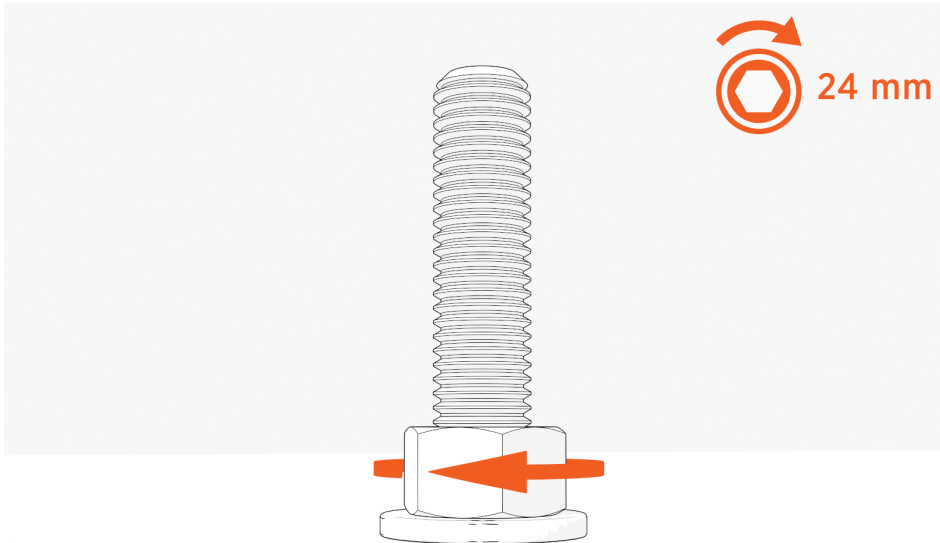
**NOTE:** Do not tighten yet.



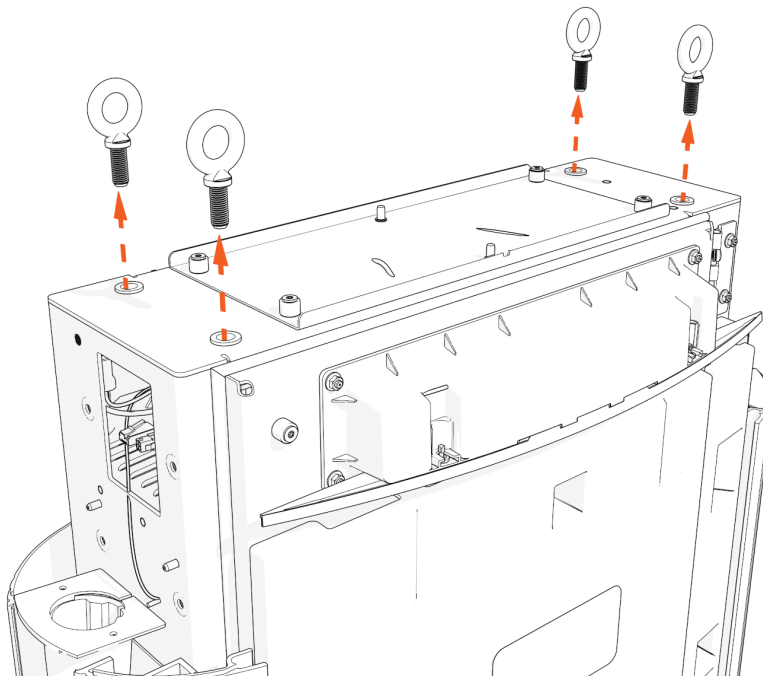
10. Recheck and adjust three leveling nuts.
11. When Power Link 1000 is level, rotate the fourth leveling nut until flush.



- 
12. Torque the top nuts to **95 Nm (70 ft-lb)**.



13. Remove the lift straps and eye bolts.

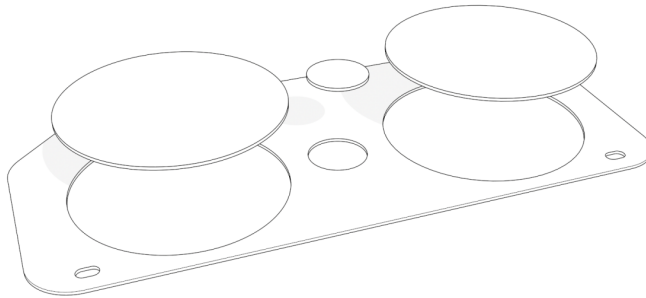


## Gland Plate

To create openings in the gland plate, complete the following steps:

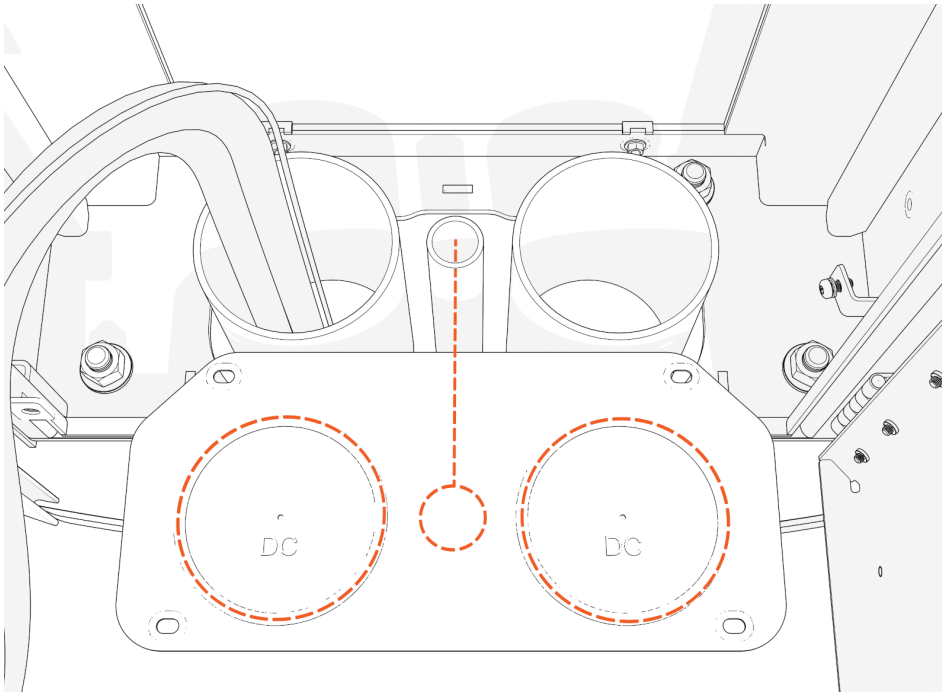
1. Check site drawings. Use a hydraulic hole punch to create openings in the gland plate for those conduits:

<ol style="list-style-type: none"><li>a. DC input conduits<ol style="list-style-type: none"><li>i. Check for <i>one or two</i> DC conduits.</li><li>ii. Use the gland plate pilot holes as a guide.</li><li>iii. Punch out <i>one or two</i> larger openings.</li></ol></li></ol>	<ol style="list-style-type: none"><li>b. 48 V DC and Ethernet conduits<ol style="list-style-type: none"><li>i. Check for <i>one, two, or three</i> conduits (middle of gland plate).</li><li>ii. Punch out <i>one, two, or three</i> smaller opening(s).</li></ol></li></ol>
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**NOTE:** You may have a different number of conduits.

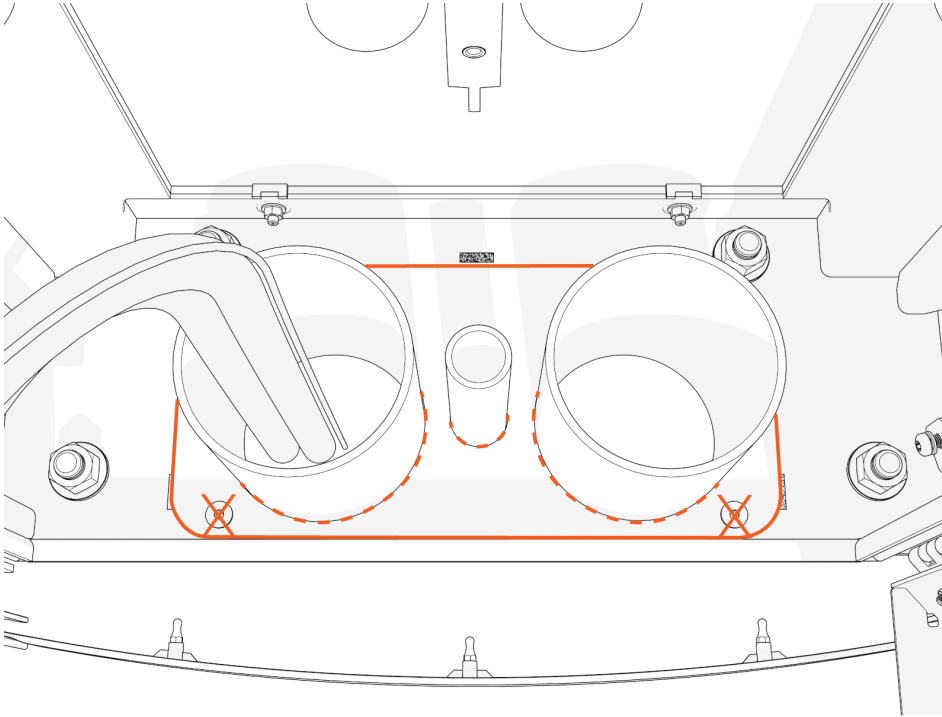
- 
2. Match the size of each conduit. Each opening must be large enough for the entire conduit to pass through.



3. Reposition the gland plate. Pull all conductors through the openings.



**IMPORTANT:** Do not reinstall the gland plate screws yet.



## Connect Wires (Standard Pedestal)

To connect wires, complete the following steps:

### **DANGER:** RISK OF SHOCK



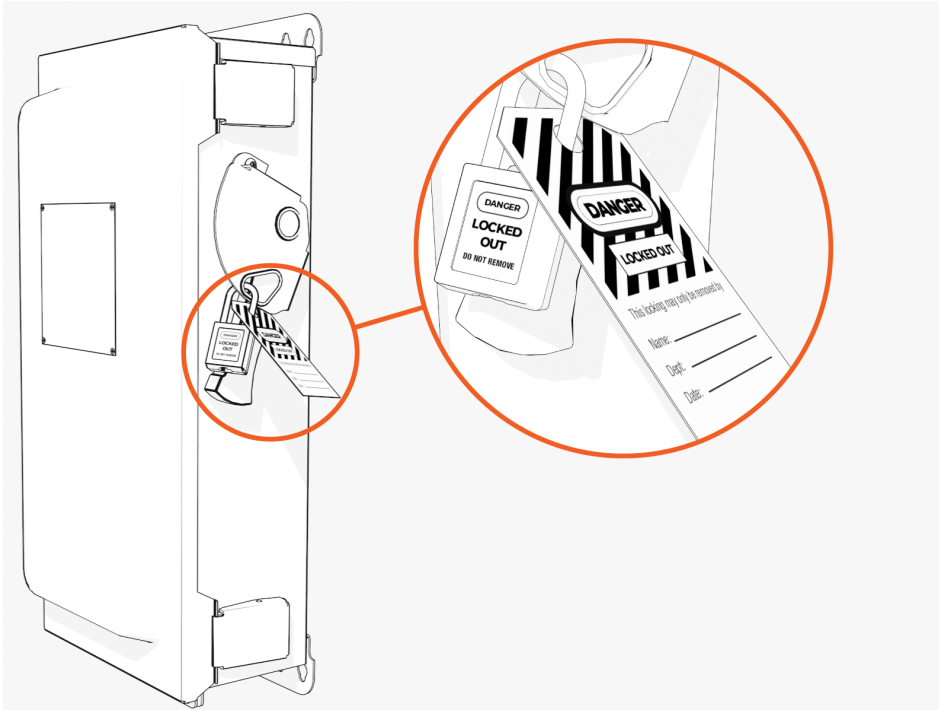
- Before any procedure, disconnect the power.
- Follow local code and site lockout/tagout procedure to de-energize the station.
- Wait for energy to dissipate (approximately five minutes).
- Keep power off until all covers and panels are reinstalled and the work is complete.

FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN SERIOUS INJURY, LOSS OF LIFE, OR PROPERTY DAMAGE.

1. Disconnect power at the site electrical panel.



**NOTE:** Follow standard practice and local code to de-energize the applicable circuit and lock out/tag out the disconnect before proceeding.

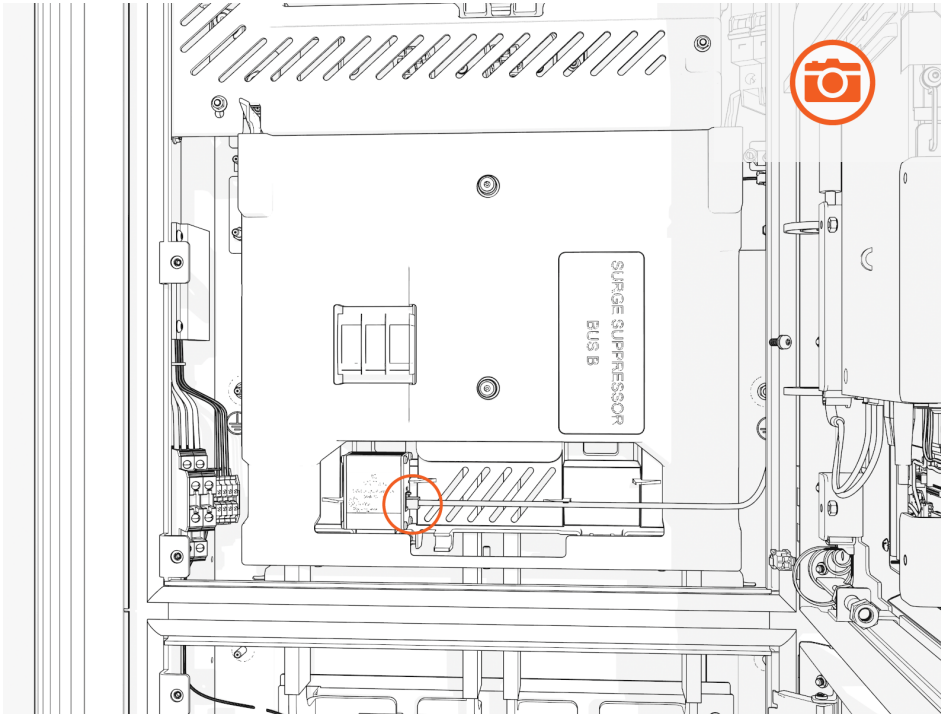


2. Use a multimeter to test that the unit is de-energized.

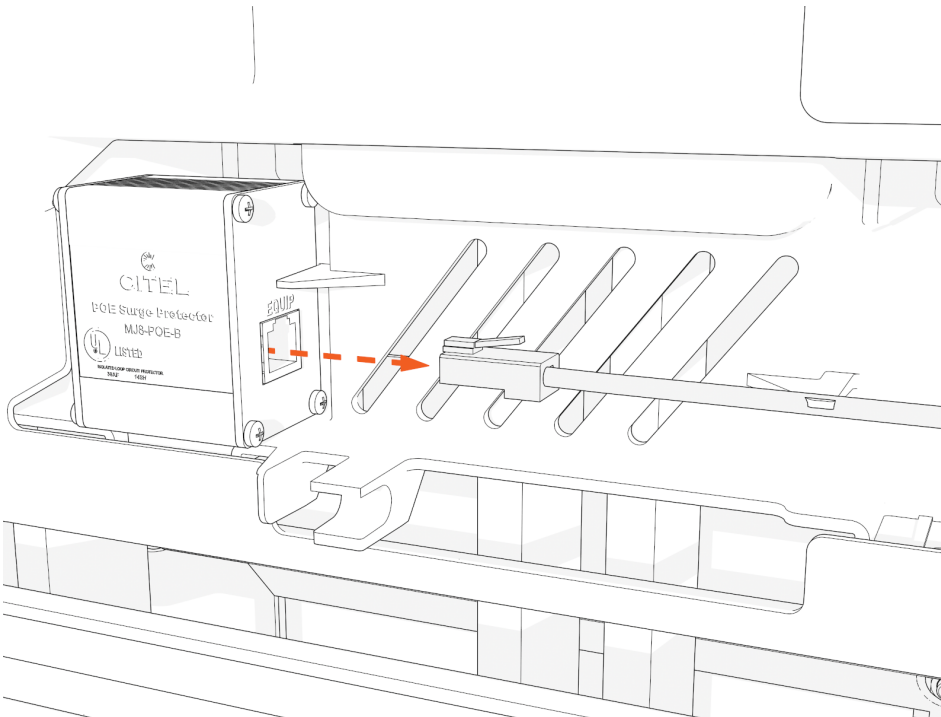


**IMPORTANT:** The upper and lower bus bar plates look similar. Both sets are inscribed (A-, A+ [single] or A-, A+, B-, B+ [dual]) and have lug nuts preinstalled.

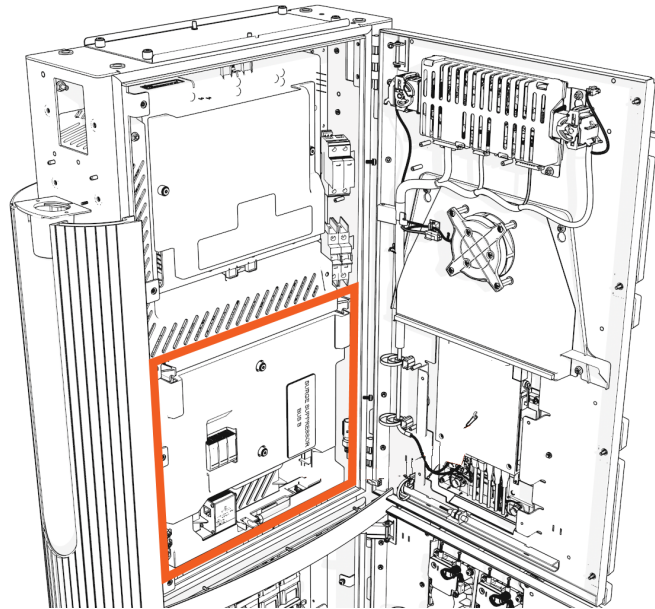
3. Disconnect the Ethernet cable from the Ethernet surge suppressor.



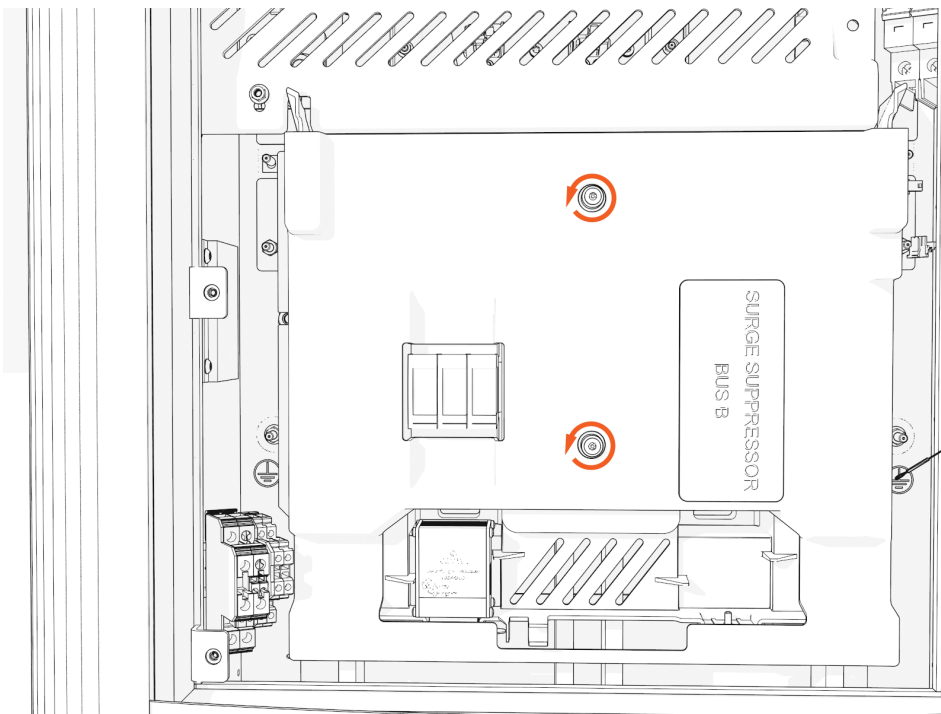
**NOTE:** Take a photo or note to identify which port later.



4. Access the upper bus bars.

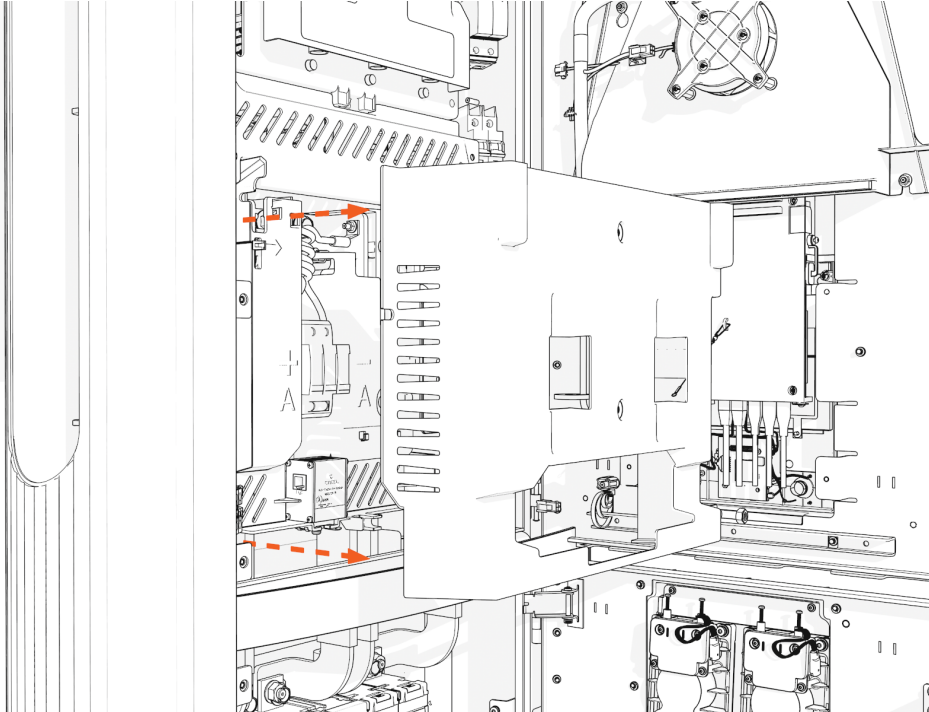


5. On the power plate cover, loosen the captive screws.

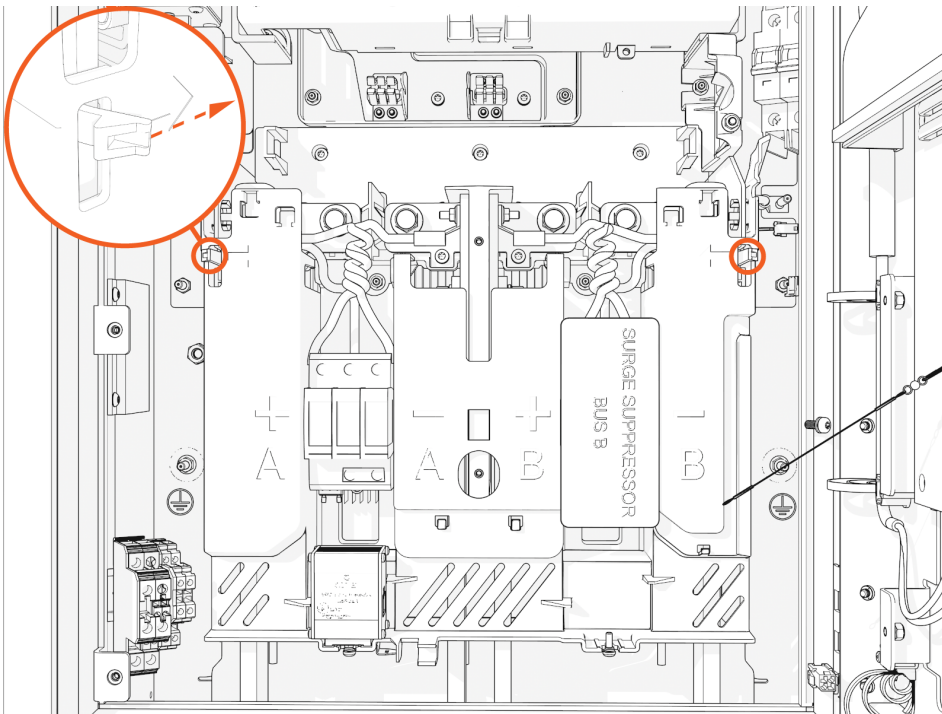




6. Remove the cover.

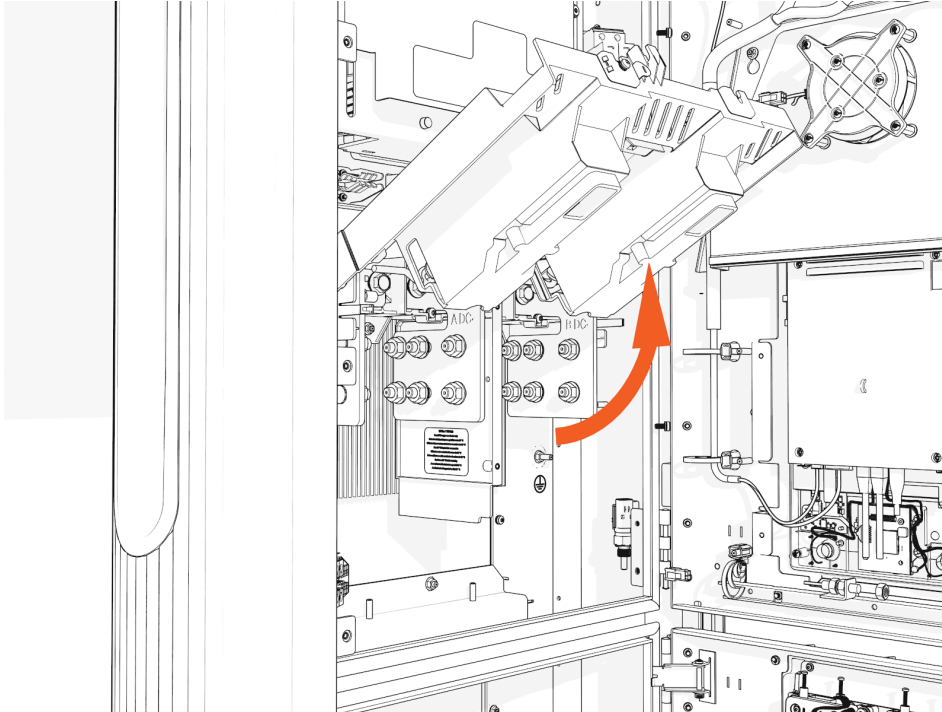


7. Release the tabs on the upper safety cover.





- 
8. Lift up from the bottom until it locks in the open position.



## Install DC Conductors and Lugs, and Ground Wire

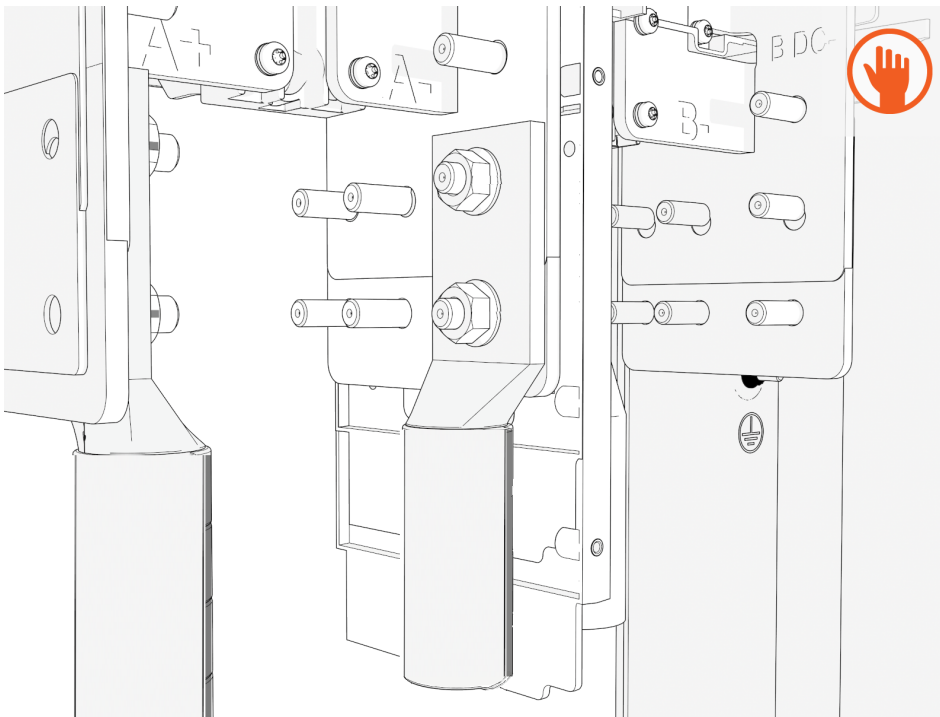
To install DC Conductors and Lug, and Ground Wire, the follow the instructions below:

1. Ensure you have de-energized the applicable circuit and locked out/tagged out the disconnect according to standard practice and local code before proceeding.
2. Use a multimeter to test that power is off.
3. Route all conductors into the correct area within the cabinet.

### Measure and Cut

1. Loosely install lugs only (without the conductors) onto bus bars. Hand-tighten.

**NOTE:** Use included bolts, washers, and nuts



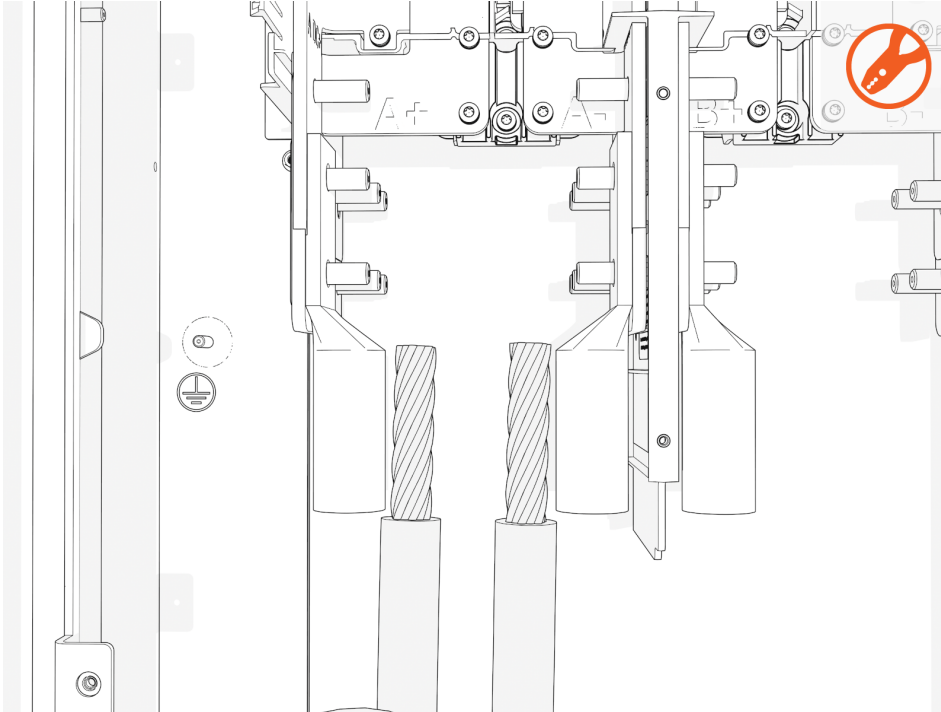
2. Measure the length from each conductor to its corresponding lug.

Mark each conductor at the point where you will need to trim it.

**NOTE:** DC bus bars are marked in order from left to right:

Single Input		Dual Input			
A+	A-	A+	A-	B+	B-

- 
3. Strip and cut the conductors to the desired length.

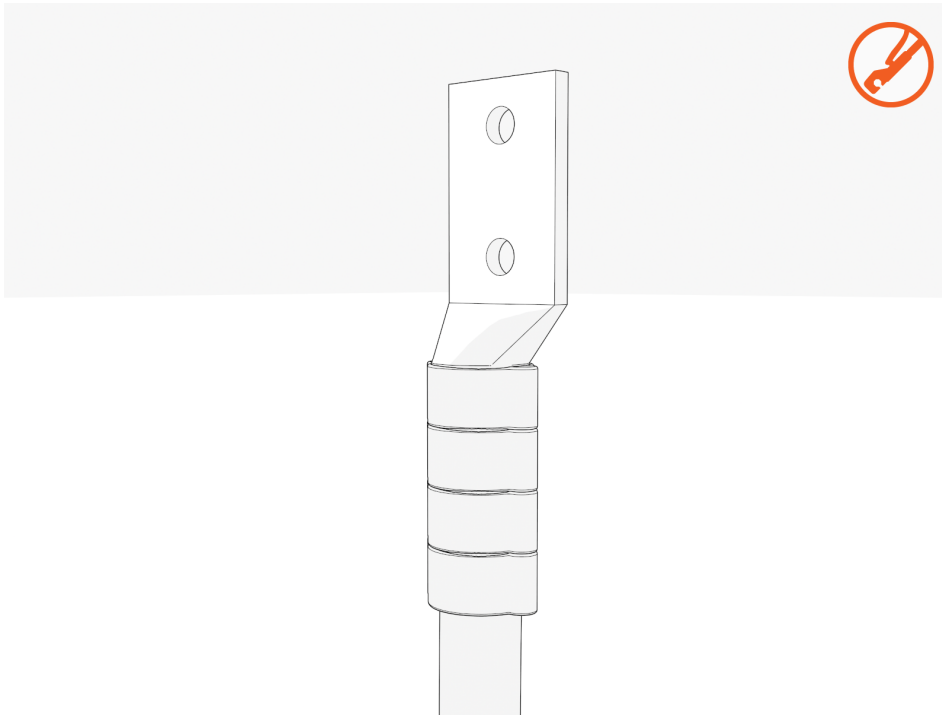


## DC Lugs

1. Uninstall the lugs. Crimp a lug onto each conductor.



**IMPORTANT:** Use compression lugs with the specifications . Use the lug manufacturer's tool and die. If required, heatshrink or tape the crimp area to meet local code.

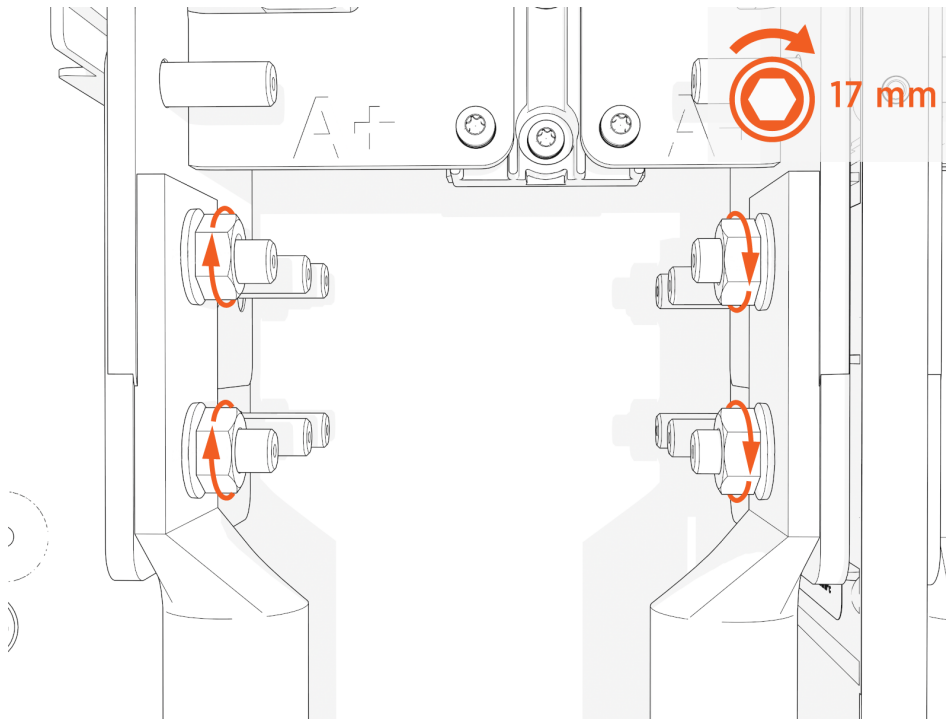


2. Land the DC lugs on the terminals. Torque nuts to **19 Nm (168 in-lb)**.

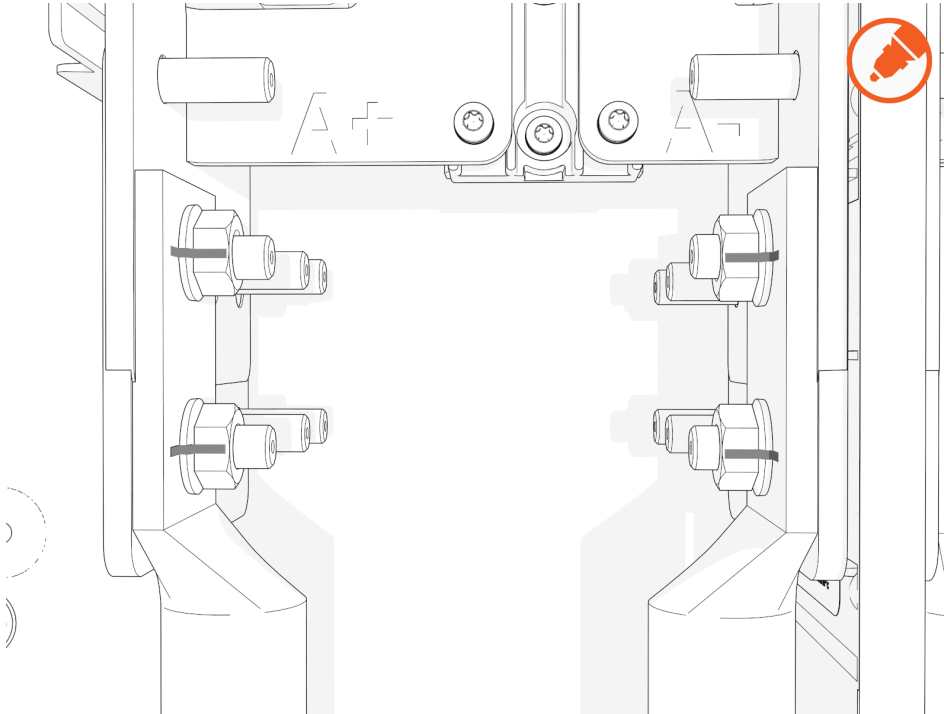
**NOTE:** Fasteners are pretreated with dielectric grease.



**CAUTION:** If using 500 kcmil conductors, you must use the back set of lugs to avoid interference with the surge suppressor panel.

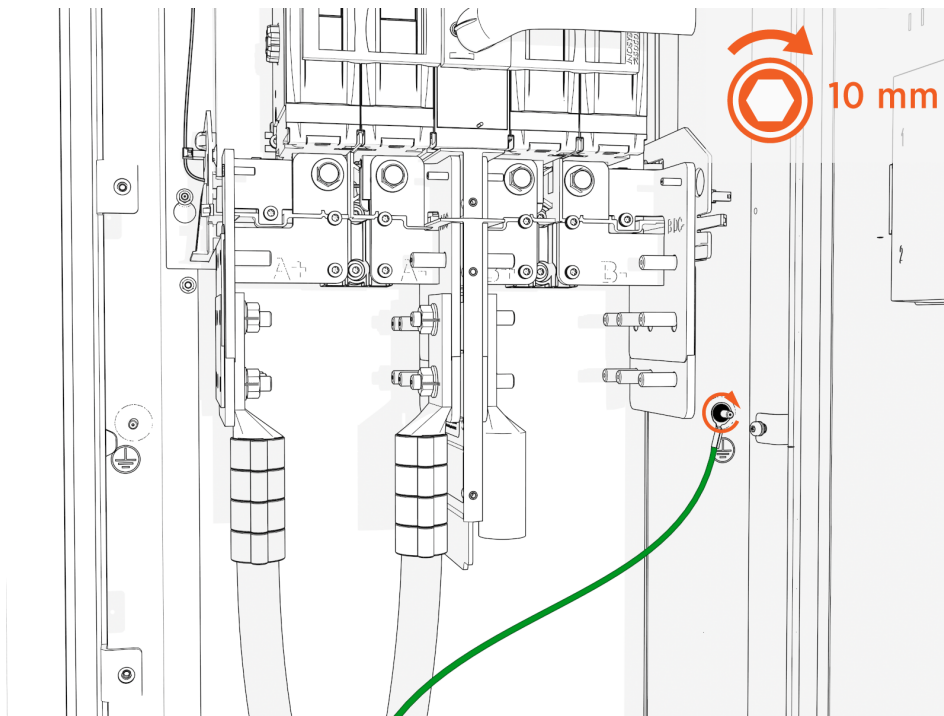


3. Mark all torqued power connections.

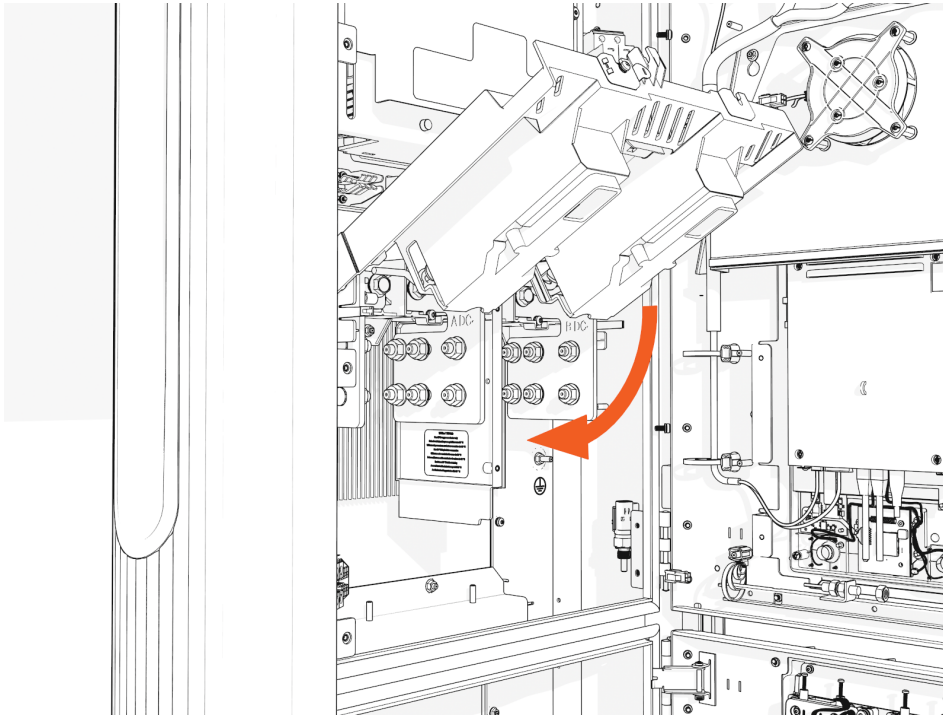


## DC Ground Wire

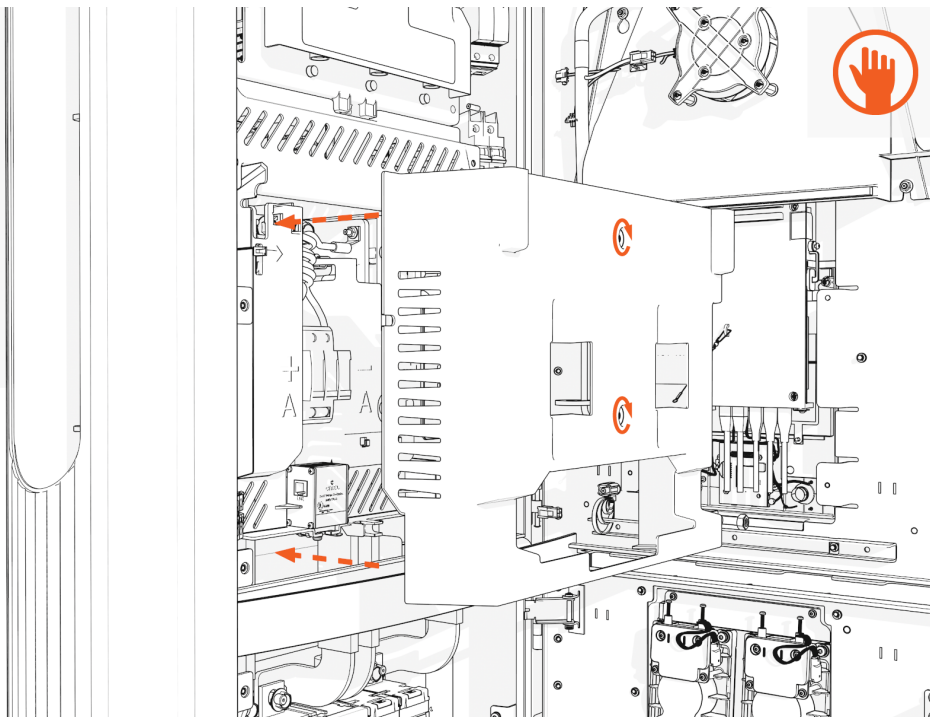
1. Land the ground wire onto a ground stud. Torque to **7 Nm (60 in-lb)**.



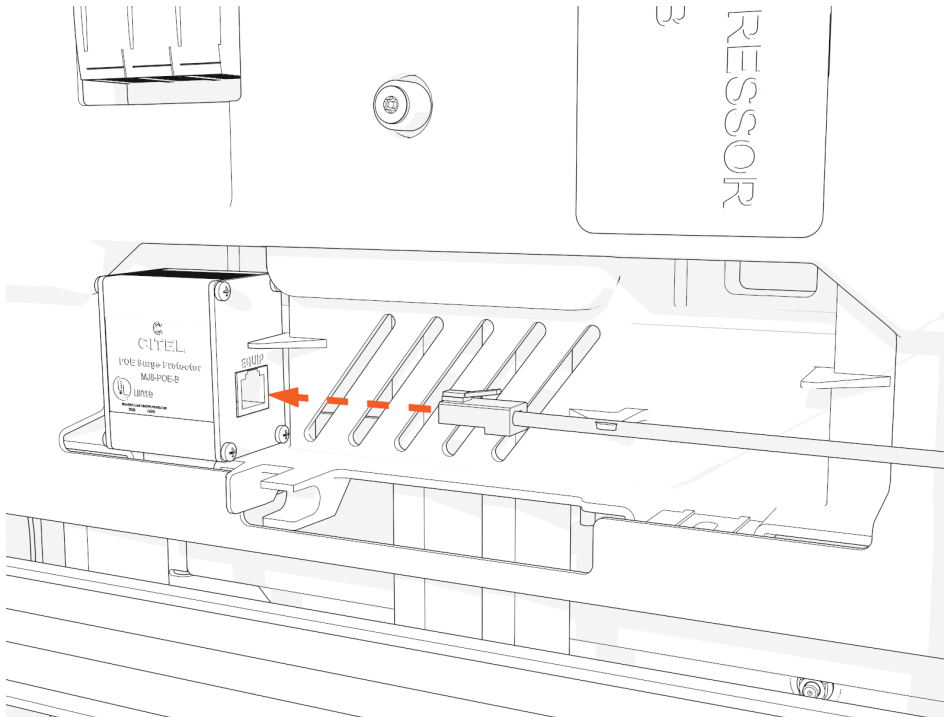
2. If you are installing the "Overhead" Mounted configuration:  
Tilt down the upper safety cover to close.



3. Position the power plate cover. Hand tighten the captive screws.



4. Reconnect Ethernet cable(s) to Ethernet surge suppressor into the same ports as before.



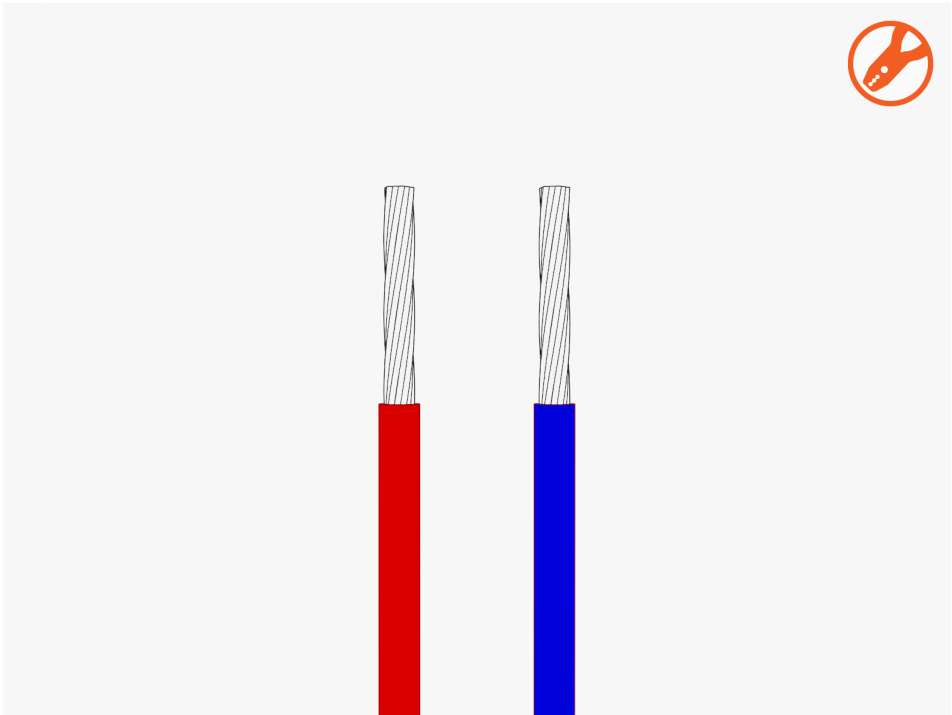


# 48 V DC Wiring

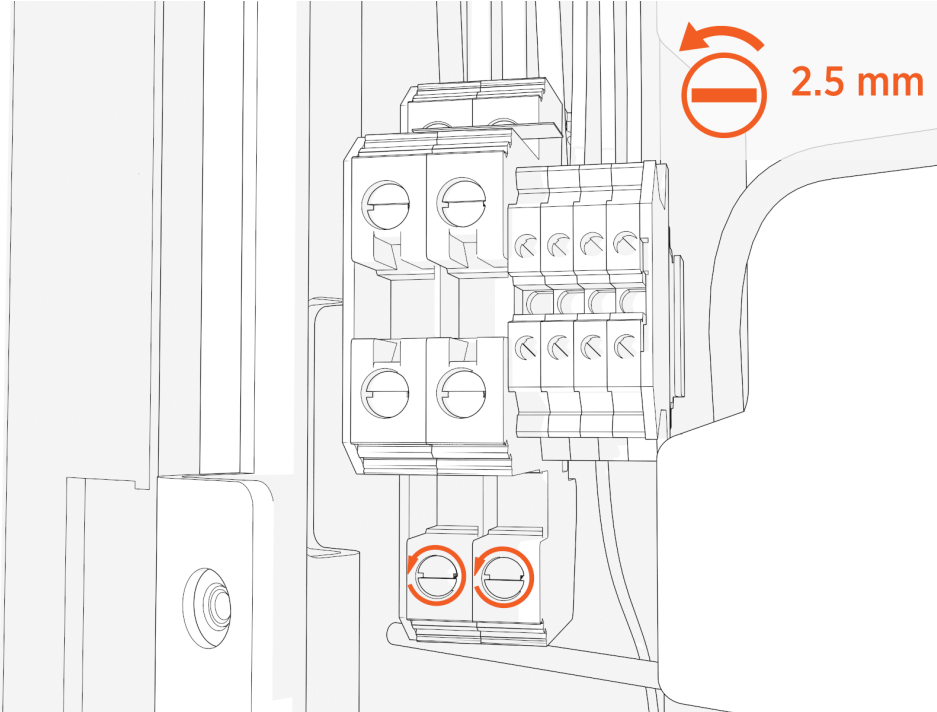
- 1. Check the 48 V DC wiring requirements in the site drawings:

48 V DC Wire Size	Conduit Size	Installation
16 mm <sup>2</sup> (6 AWG)	21 mm (3/4 in)	Install two 48 V DC wires and one Ethernet cable into one conduit.
<b>NOTE:</b> Use only copper conductor wire rated for 90 °C (194 °F).		

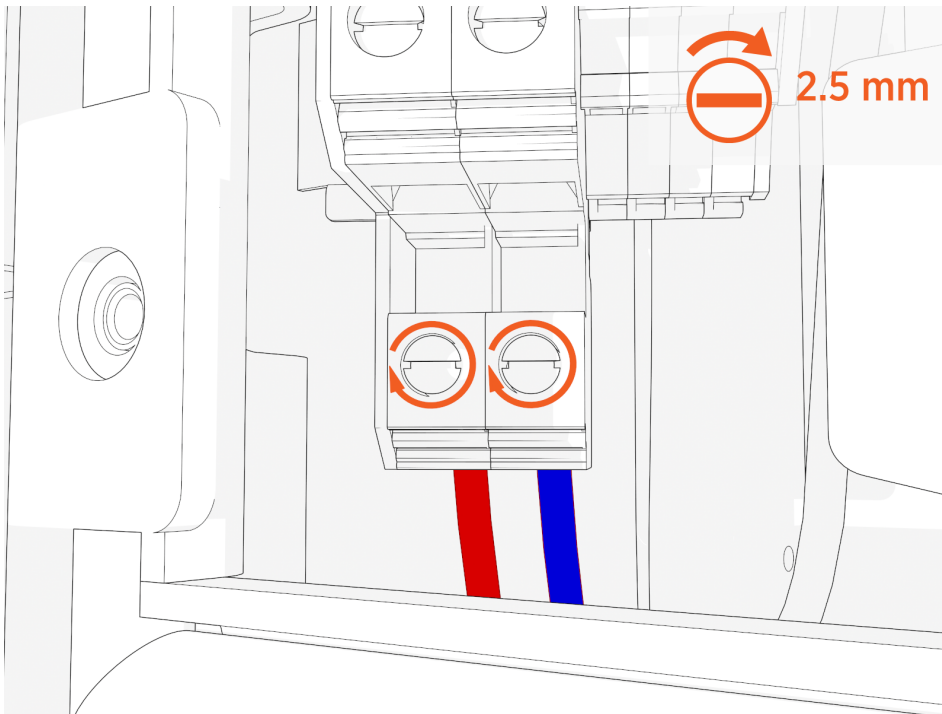
- 2. Strip the 48 V DC wires.



3. Loosen each terminal tab (upper cabinet, left side).



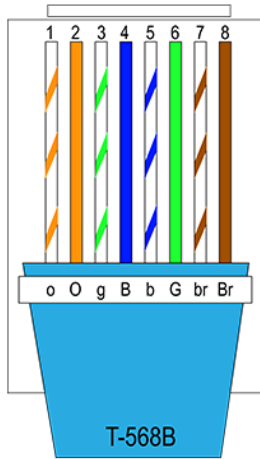
4. Seat the 48 V DC wires. Push-pull to test.



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## Cat6 STP Ethernet Cable

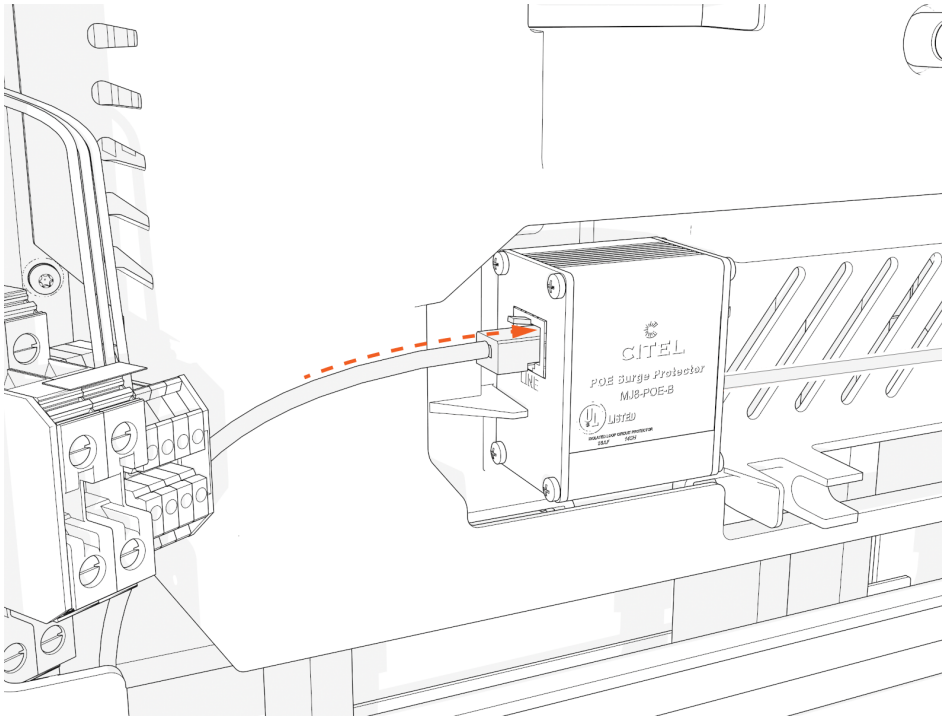
1. Trim the Cat6 STP Ethernet wires to length and allow for a service loop. Terminate both ends.
2. Field crimp a shielded connector onto each Cat6 STP Ethernet wire. Use a straight-through T568B pattern.



**IMPORTANT:** Do not connect the shield wire here at the Power Link 1000 termination.

3. Test each Ethernet wire for functionality.

4. Identify which blue surge suppressors already have cables in the line-out (right) positions. Connect the Ethernet connectors to those surge suppressors at the line-in (left) positions. Push-pull to test.



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## Install Ethernet to USB Kit

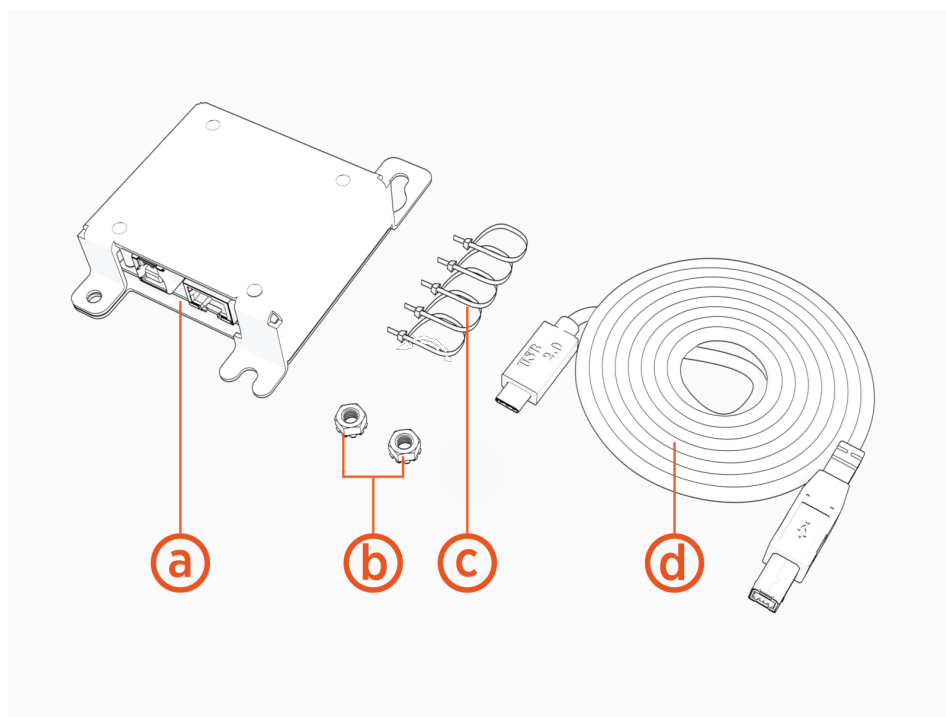
If the site plan indicates the Power Link 2000 must be configured with a hardwire Ethernet connection to a network server, follow procedures in this section to install the Ethernet to USB Kit and the hardwire connection.

### Mount Ethernet to USB Module

To mount Ethernet to USB module, complete the following steps:

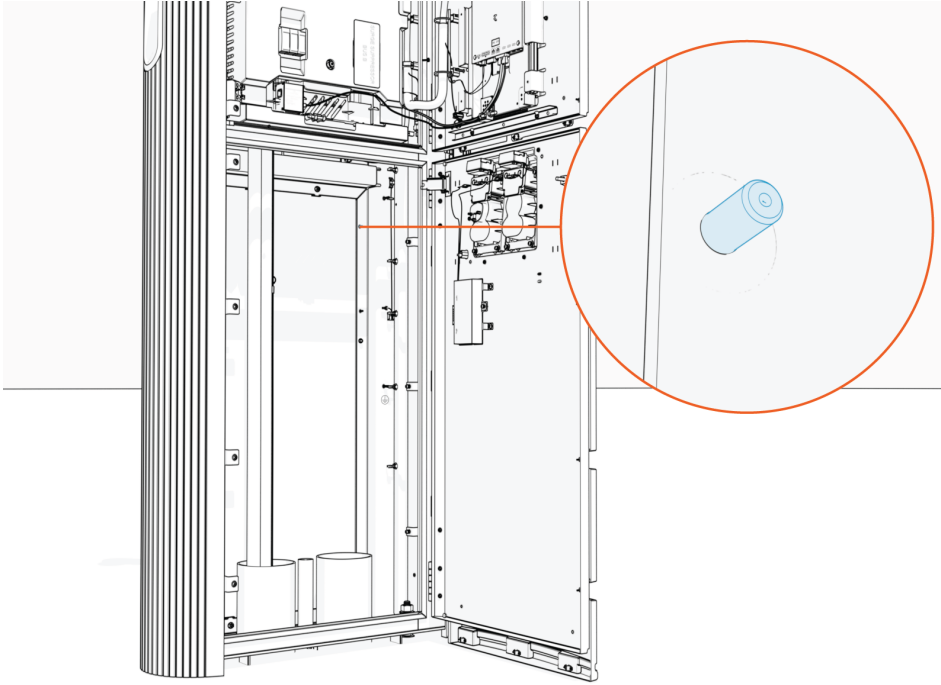
1. Unpack the Ethernet to USB Kit. Confirm all parts listed below are present.

**NOTE:** For any missing component, [contact ChargePoint support](#).

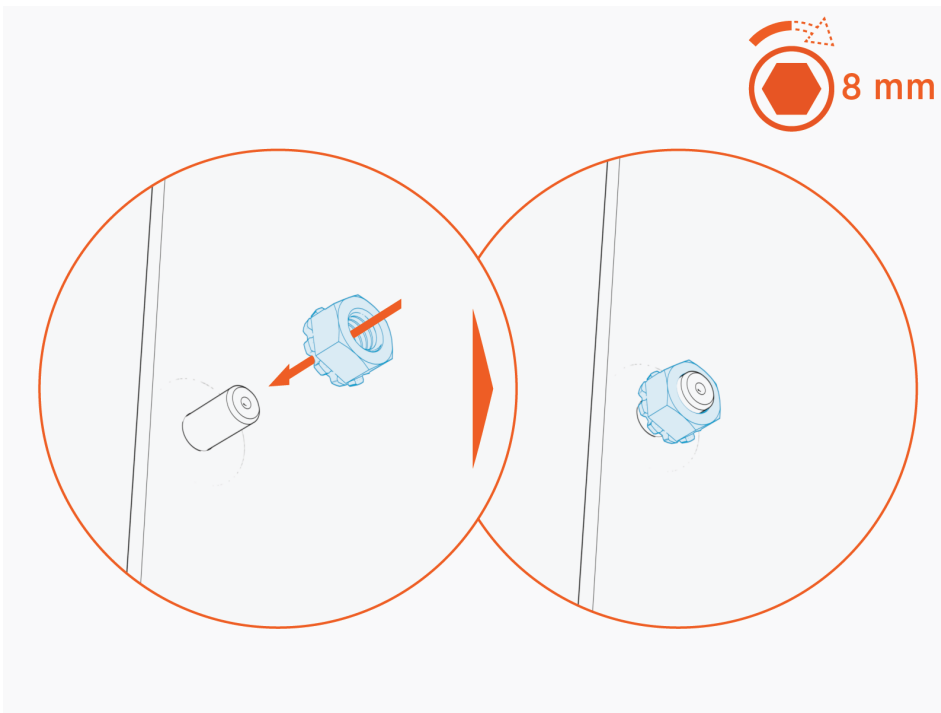


- (a) Ethernet to USB module
- (b) M5 star washer nuts (x2)
- (c) Zip ties (x5)
- (d) USB 3.0 Type B to Type C cable

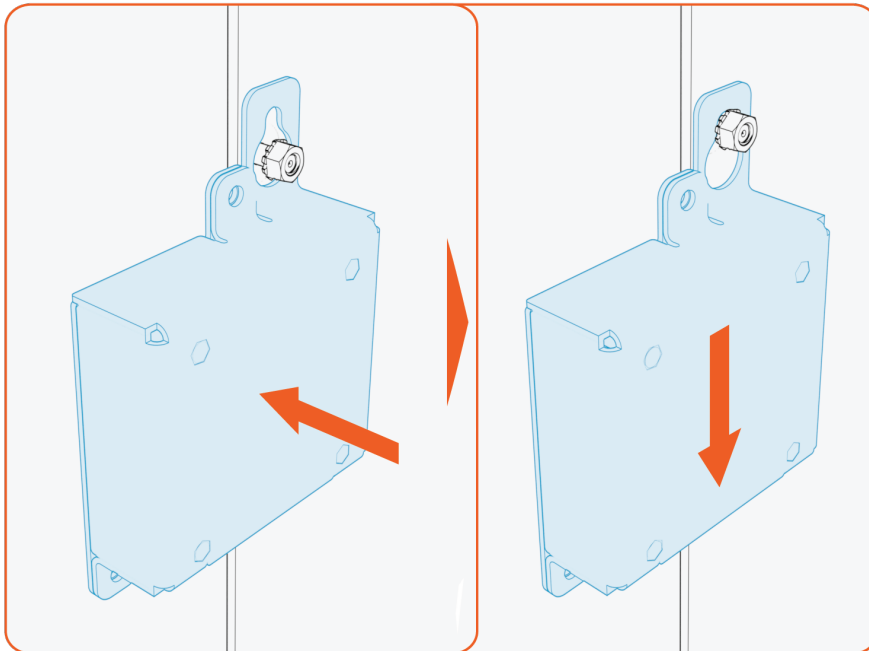
2. Locate a grounding stud on the Power Link 1000 frame.



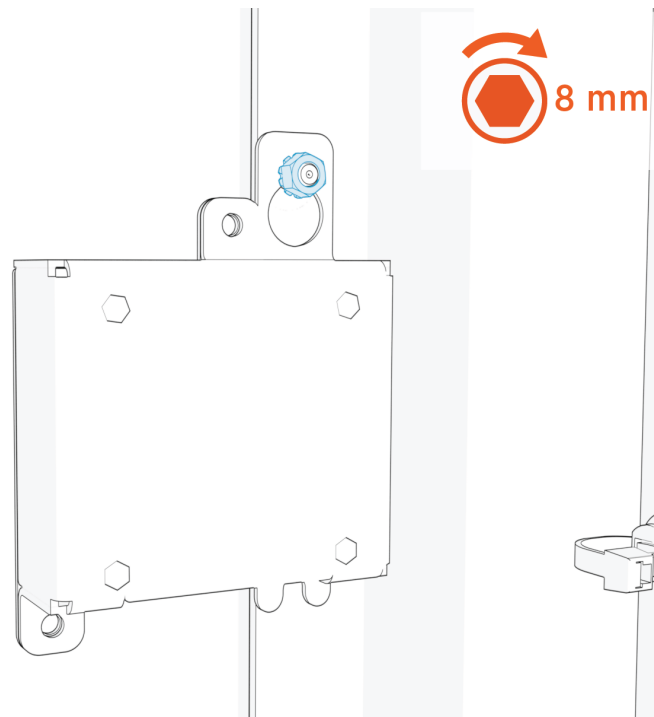
3. Install one of the provided M5 star washer nuts partially onto the stud. Thread the nut only halfway onto the stud.



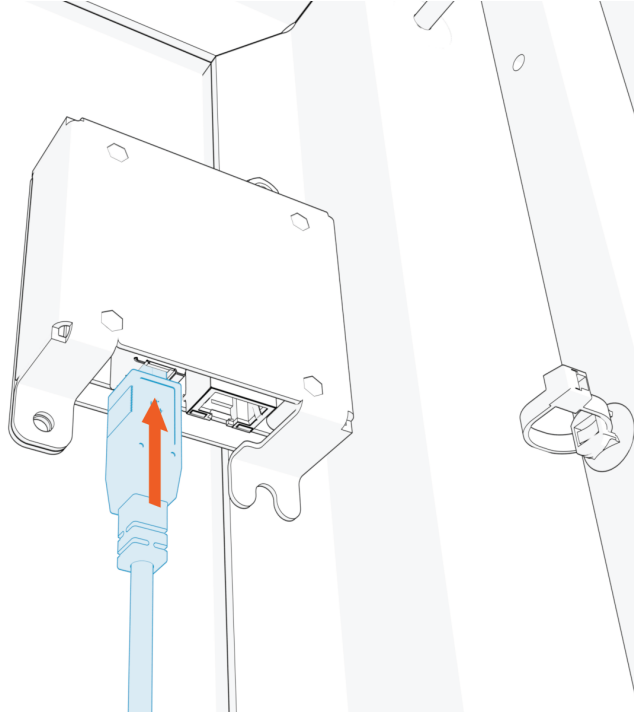
- 
4. Mount the Ethernet to USB module onto the stud. Slide the module down to secure the keyhole tab to the stud.



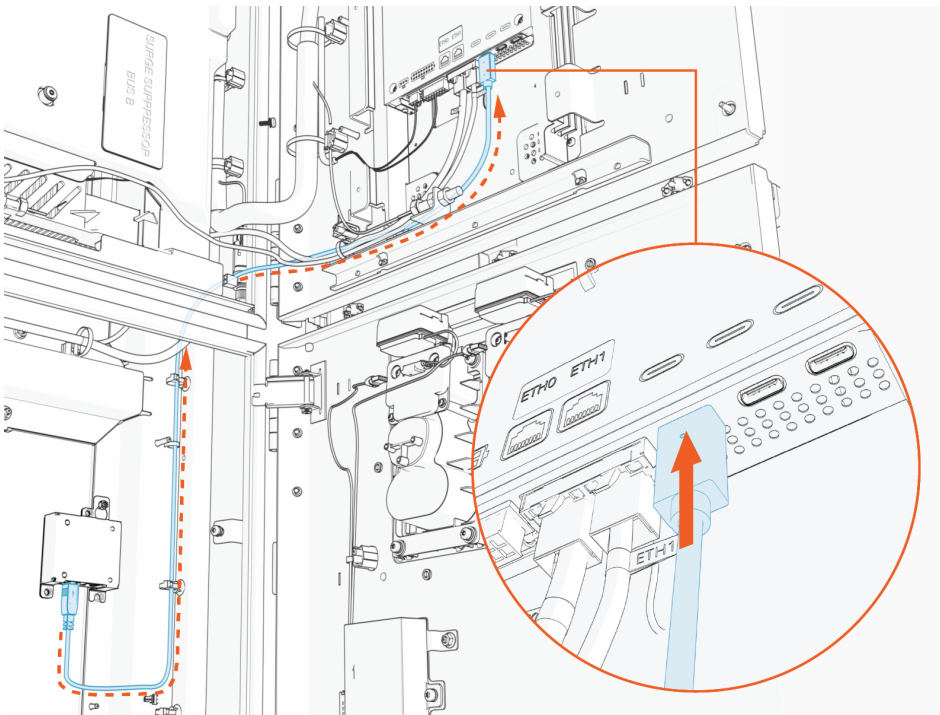
5. Torque the nut to **4.5 Nm (40 in-lb)**.



6. Plug the USB-B end of the USB cable into the module.

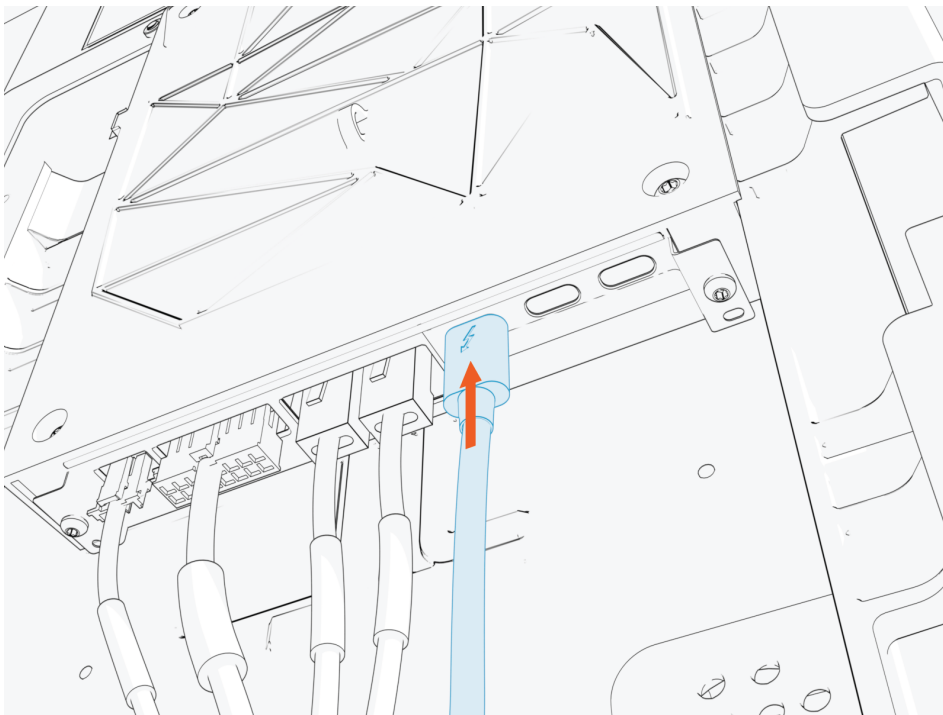


7. Route the cable through the door cable guide and along the main cable harness to the Control and Communication Module (CCOM) located on the upper front door.

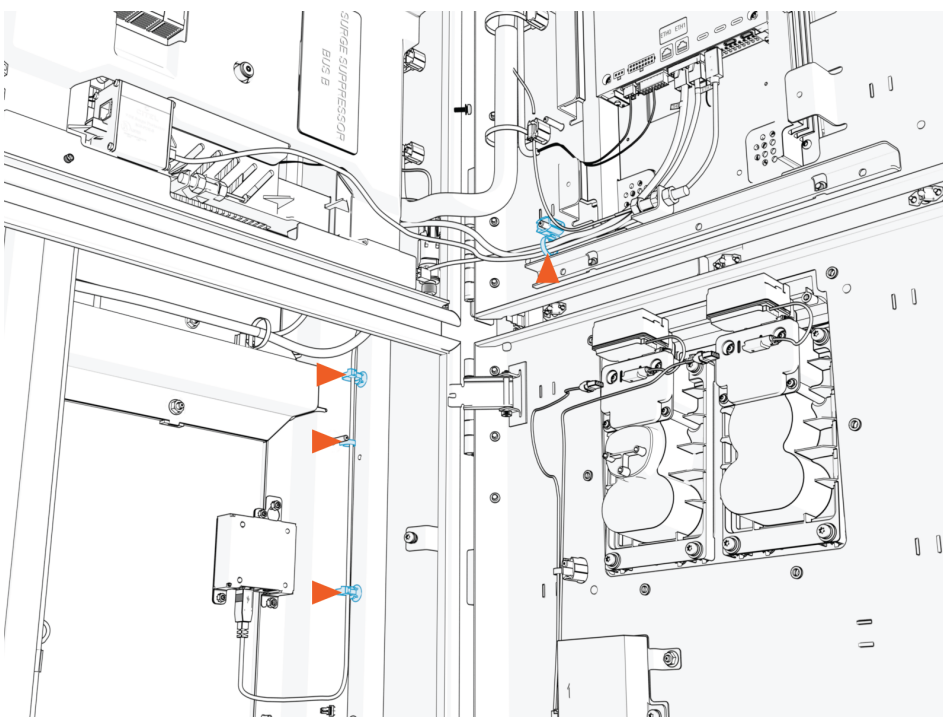




8. Connect the cable to the CCOM.



9. Secure the USB cable to the existing cable tie guides.



10. If needed, use the provided zip ties to secure the USB cable to the main cable harness.

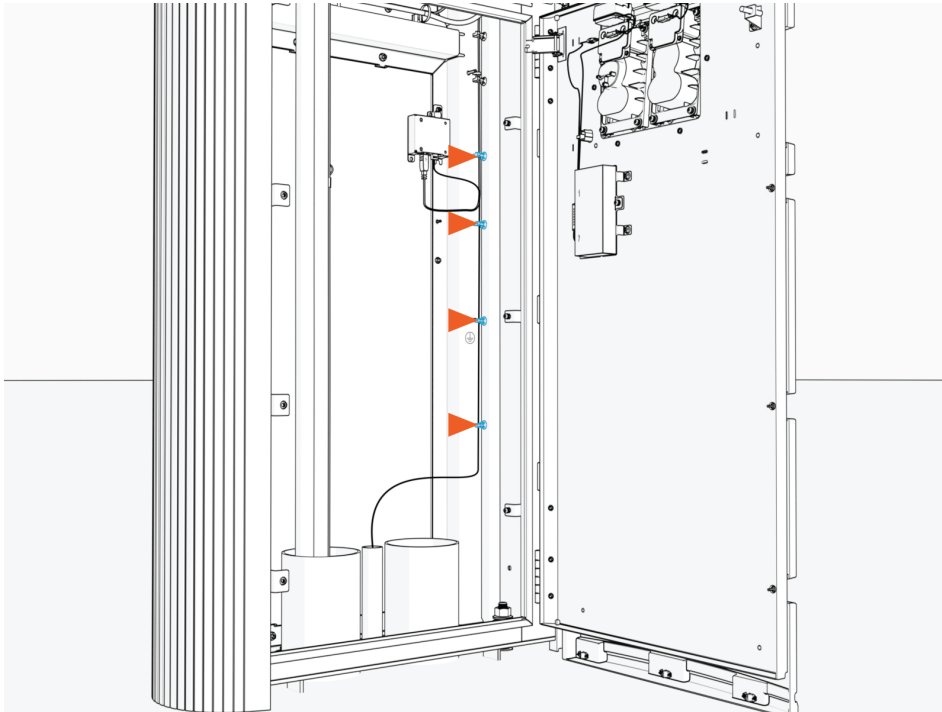
**CAUTION:**

- Ensure the door can open and close without pinching or pulling of any cables.
- Ensure the USB cable does not touch the HV DC wires when the door is closed.

## Install Ethernet Cable

To install Ethernet cable, complete the following steps:

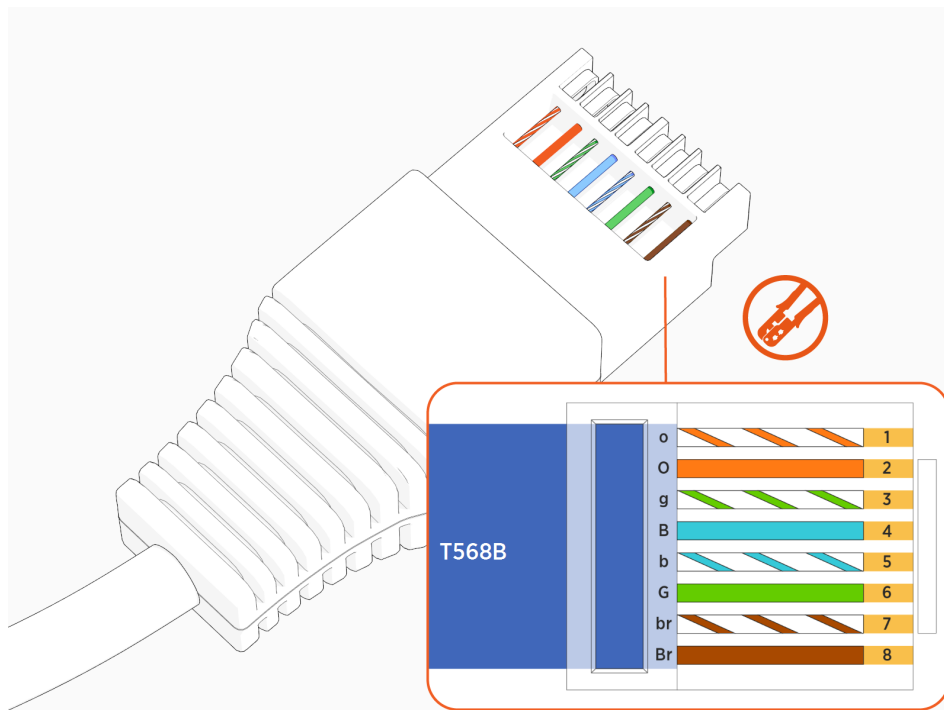
1. Pull the hardwire Ethernet cable into the enclosure and route it through existing cable guides to reach the Ethernet to USB module. Cut to length, allowing for a service loop.



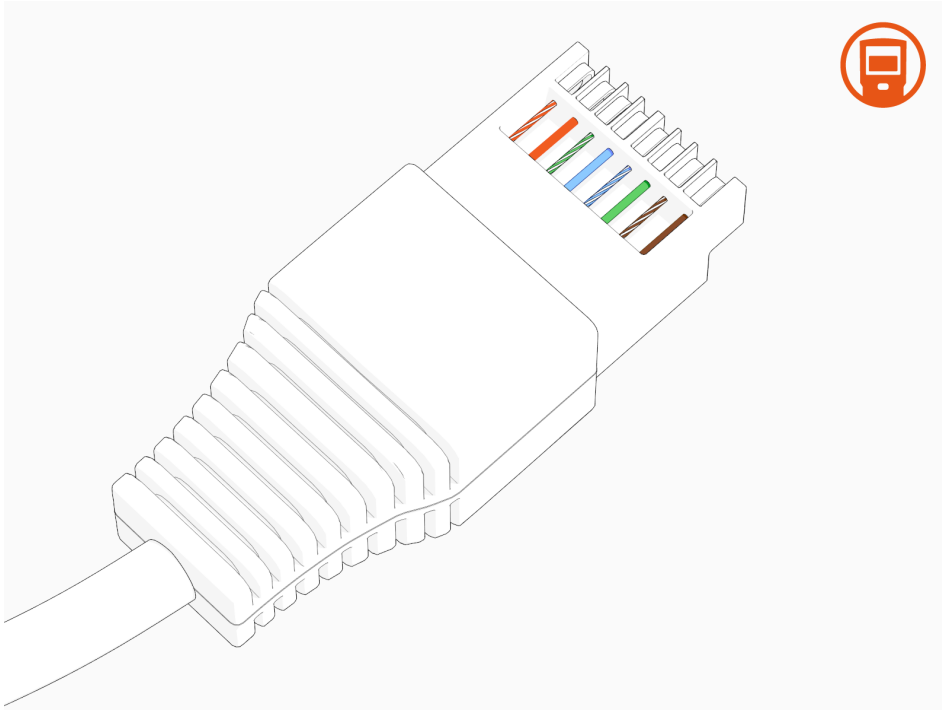
2. Field crimp an RJ45 connector onto the Ethernet cable. Use straight-through T568B pattern.



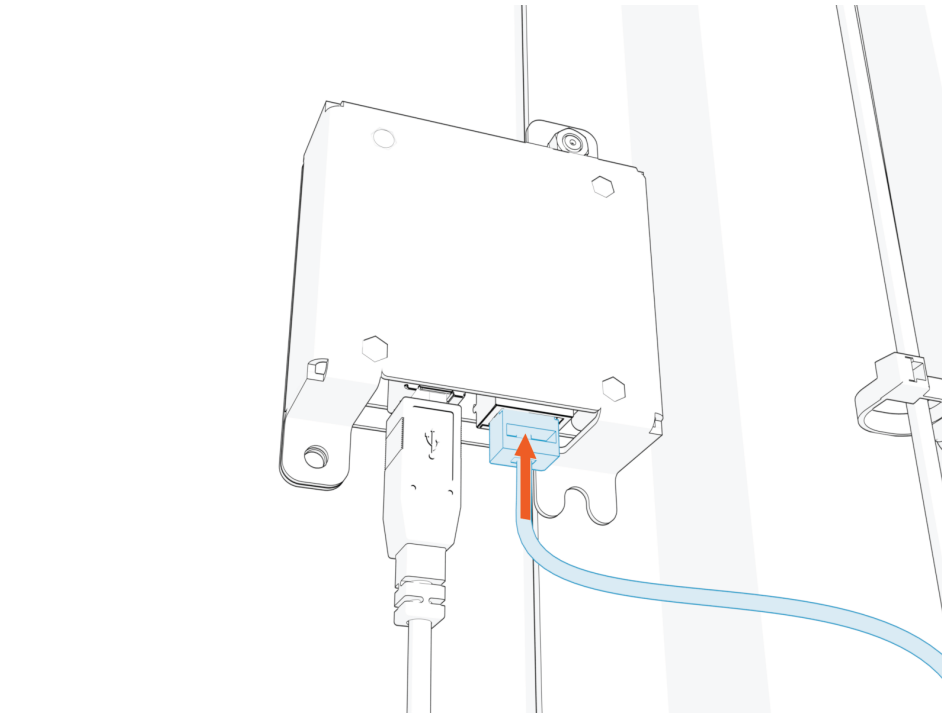
**IMPORTANT:** Do not ground the shield at this end of the Ethernet cable. Ground the shield at the end of the Ethernet cable that connects to the network server.



3. Test the Ethernet cable for functionality.



4. Connect the Ethernet cable to the Ethernet to USB module.



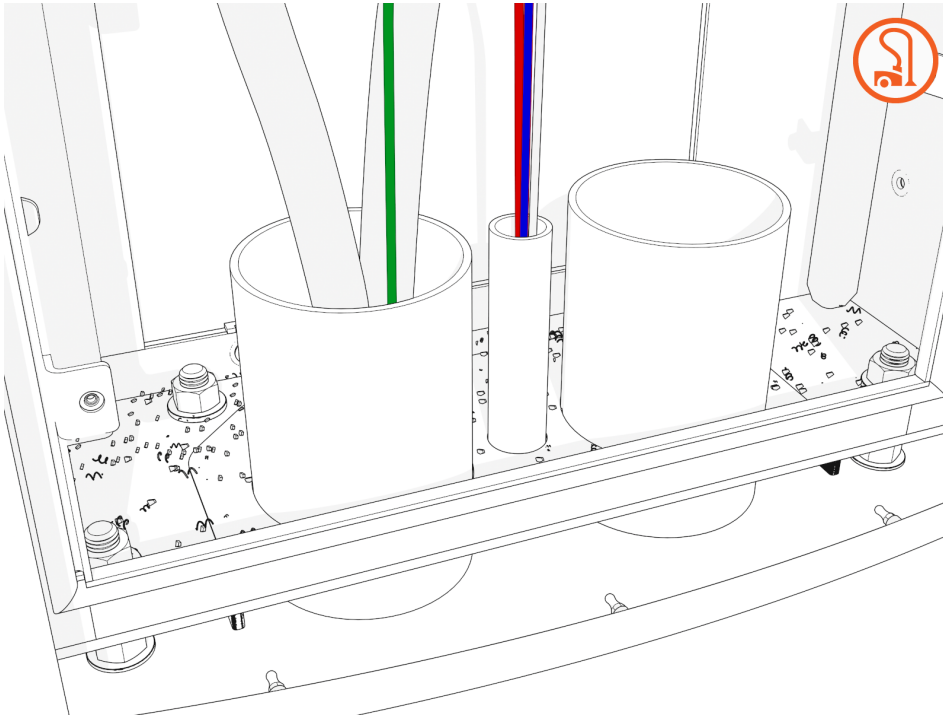
5. Route and plug the other end of the Ethernet cable into the network server.

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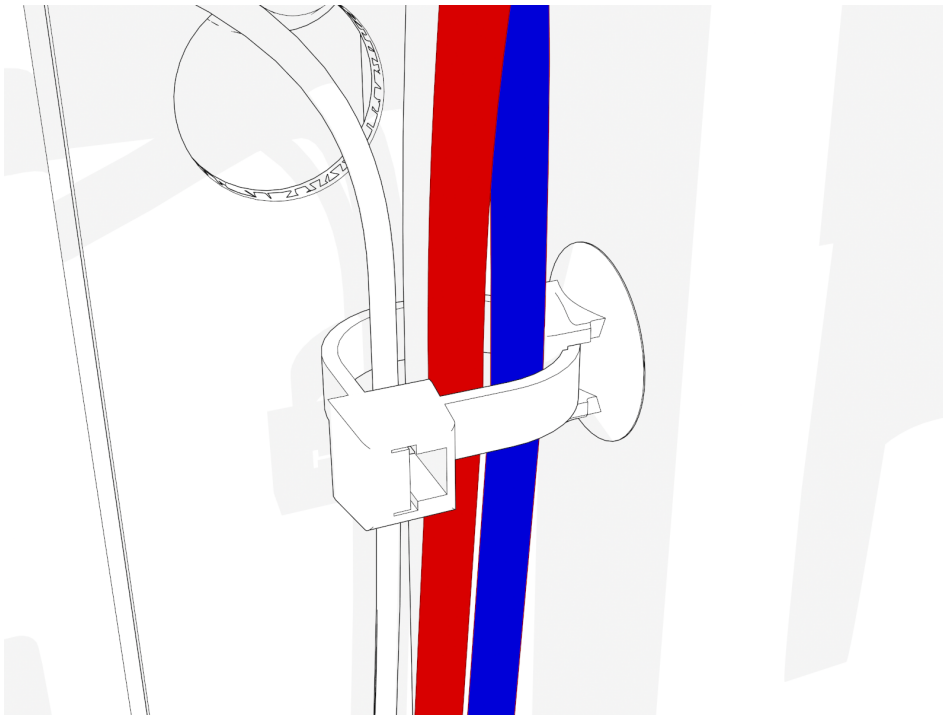
## Secure and Seal Gland Plate

To secure and seal the gland plate, complete the following steps:

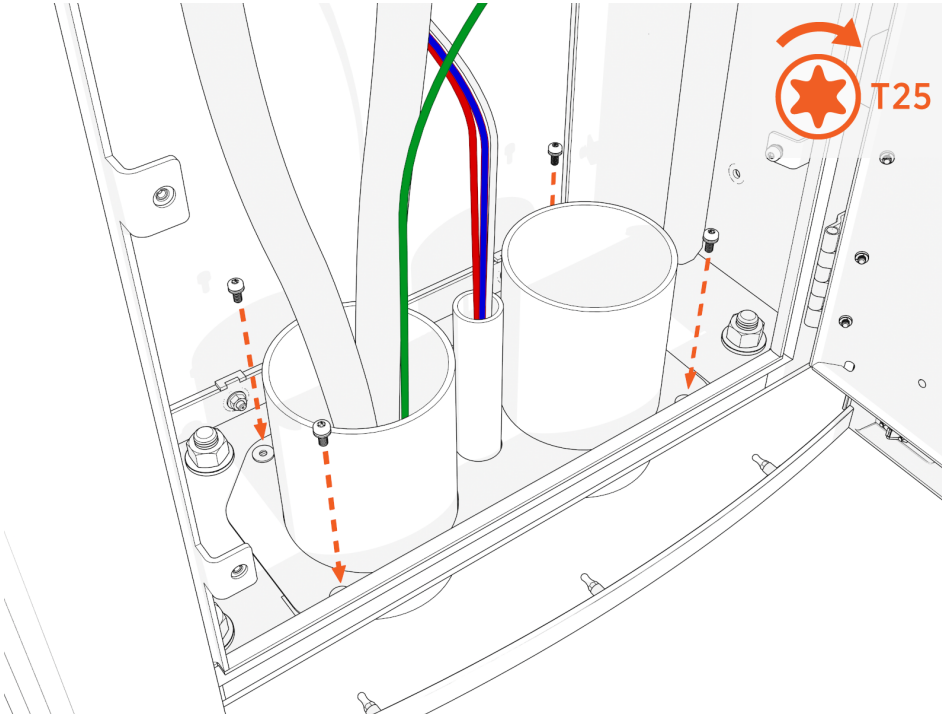
1. Vacuum all wire ends and metal shavings.



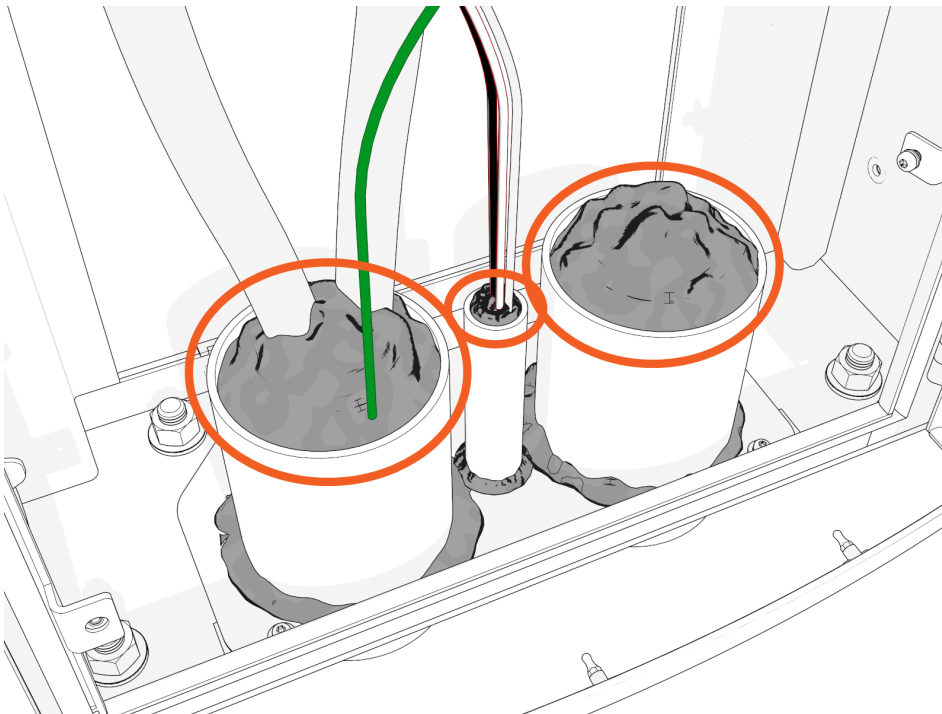
2. Secure wiring with clips as needed.



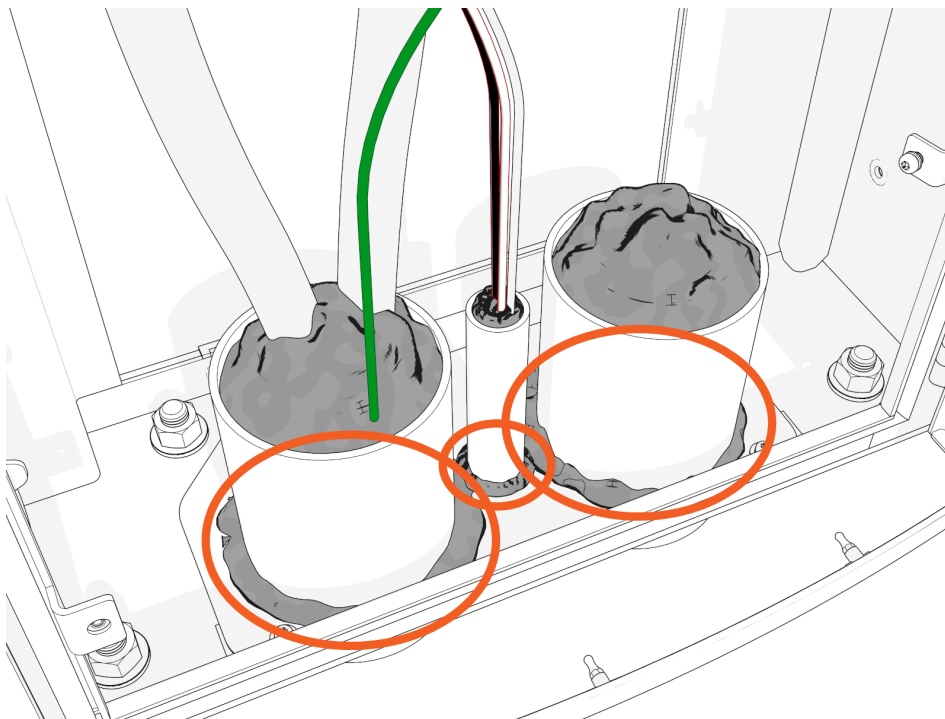
3. Align the gland plate and install screws.



4. Use duct seal compound to seal inside conduit openings.



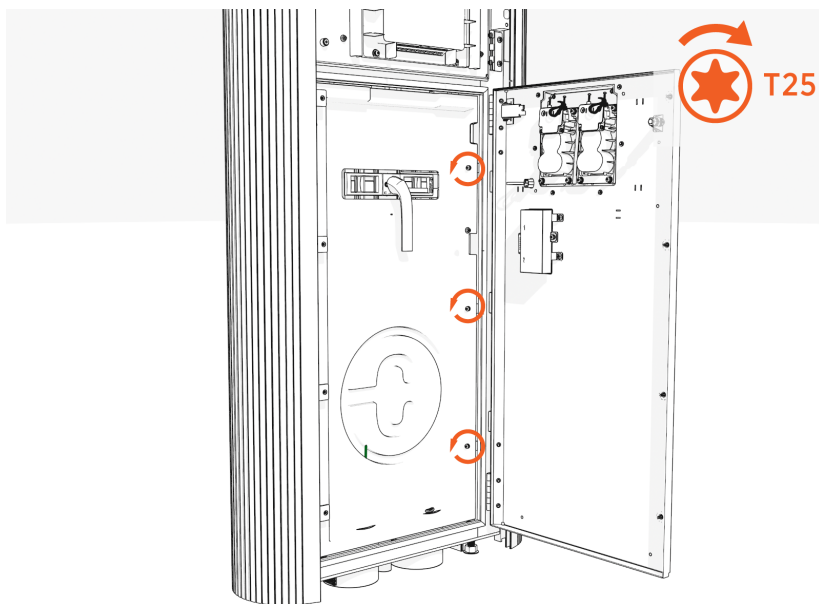
5. Seal the gland plate around and to each conduit.



## Reinstall Lower Safety Panel (if applicable)

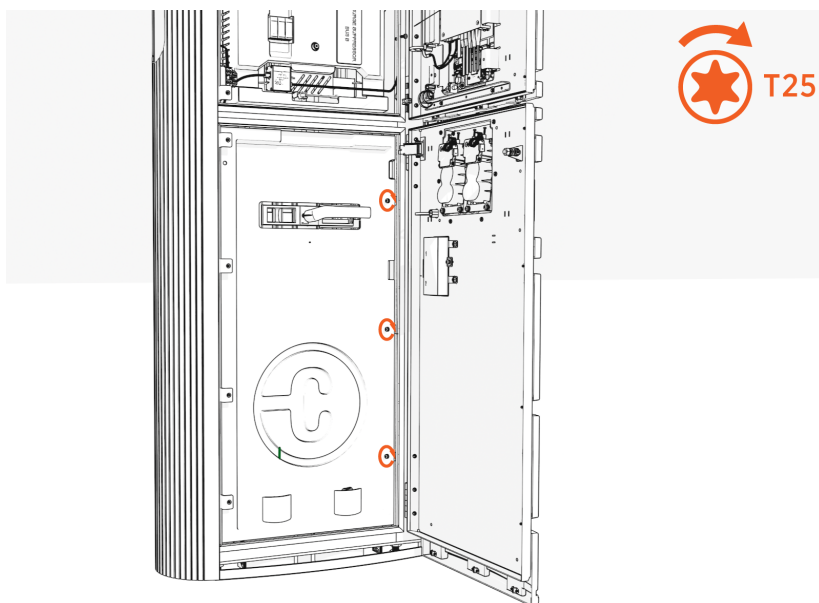
To reinstall the lower safety panel, complete the following steps:

1. Slide in the panel behind the slots on the left.





2. Install screws (x3) (use T25 security screwdriver) on the right side. Torque to **2.8 Nm (25 in-lb)**.



## Install DC Smart Cable

To install DC smart cable, follow the instructions below:

### **DANGER:** RISK OF SHOCK



- Before any procedure, disconnect the power.
- Follow local code and site lockout/tagout procedure to de-energize the station.
- Wait for energy to dissipate (approximately five minutes).
- Keep power off until all covers and panels are reinstalled and the work is complete.

FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN SERIOUS INJURY, LOSS OF LIFE, OR PROPERTY DAMAGE.

**Note:** Installing a cable cap follows a similar process to installing a DC smart cable but only requires attaching the grounding lug to the machine shoulder; and connecting the 4-pin 48V terminal and RJ-45 communications connector.

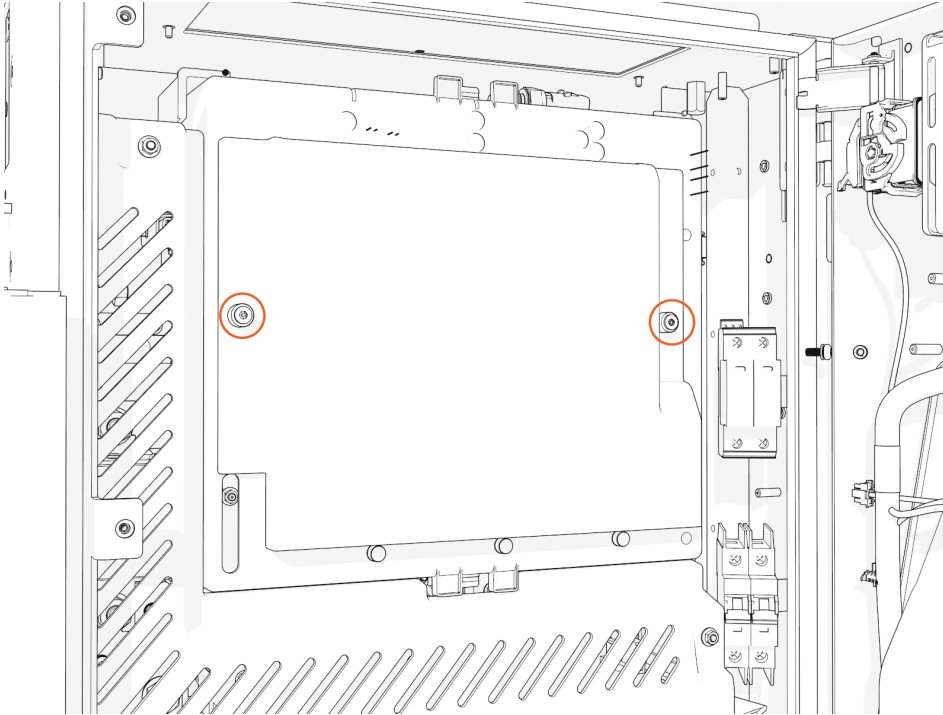


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## Remove Safety Cover and Top Access Panel

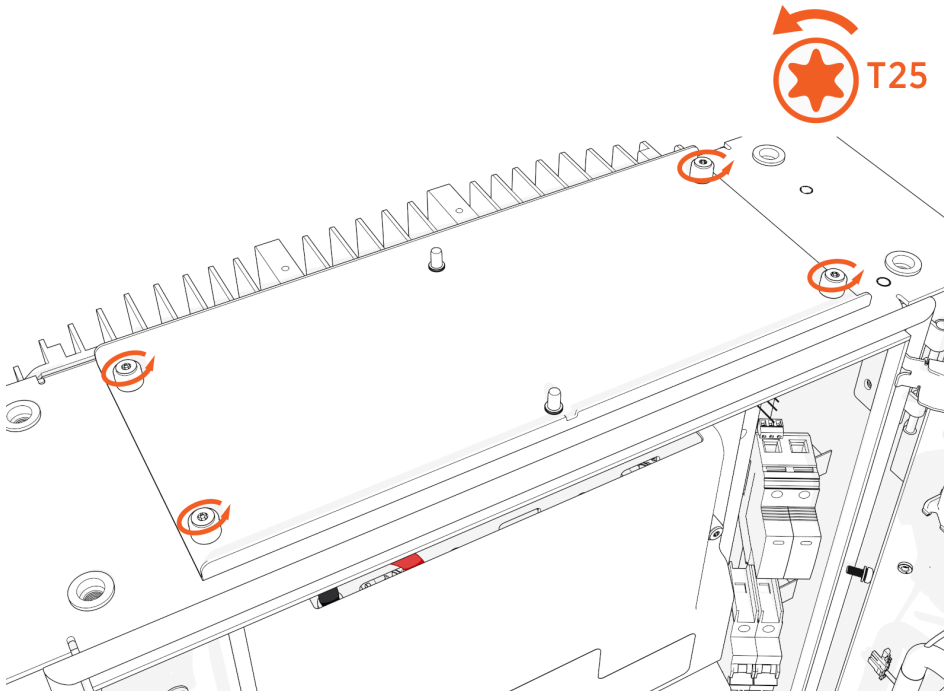
1. Loosen (do not unscrew completely) the two screws and slightly slide the safety cover up to remove it.

**Note:** The + and - signs on the safety cover indicate the DC lug landing locations for positive (i.e., red color) and negative (i.e., black color) wires respectively.



2. Position a stepladder so you can reach the top access panel.

3. Loosen captive screws and lift off the panel.

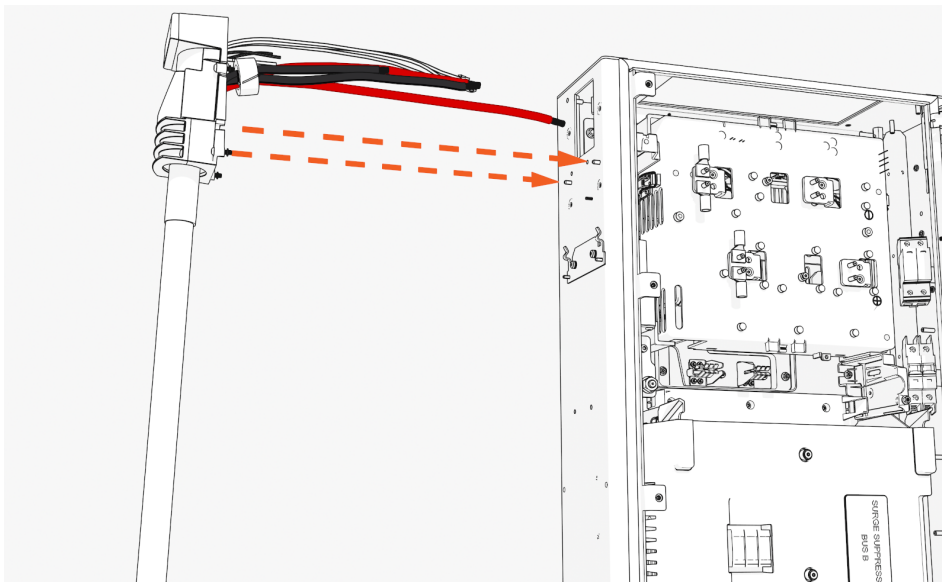


## Route Into Cabinet

1. Unwrap the charging cable.

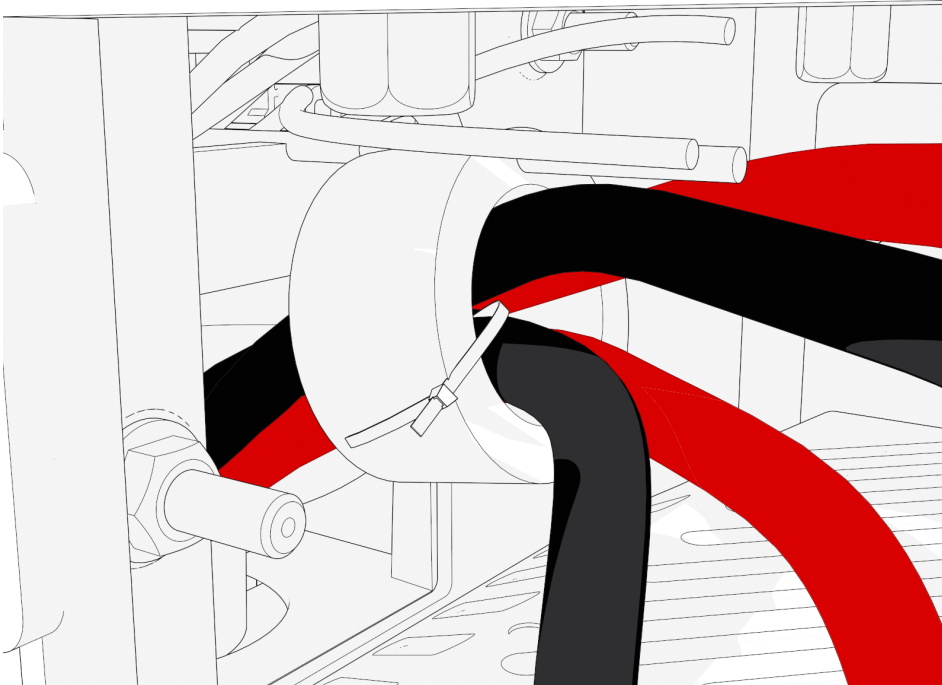
**NOTE:** Do not unwrap the cable handle to prevent it from getting scratched during the install process.

2. Route the connectors, DC smart cables and lugs, ferrite ring, and ground wire into the upper cabinet through the opening behind the cable housing.



**NOTE:** Tilt the ferrite ring to fit.

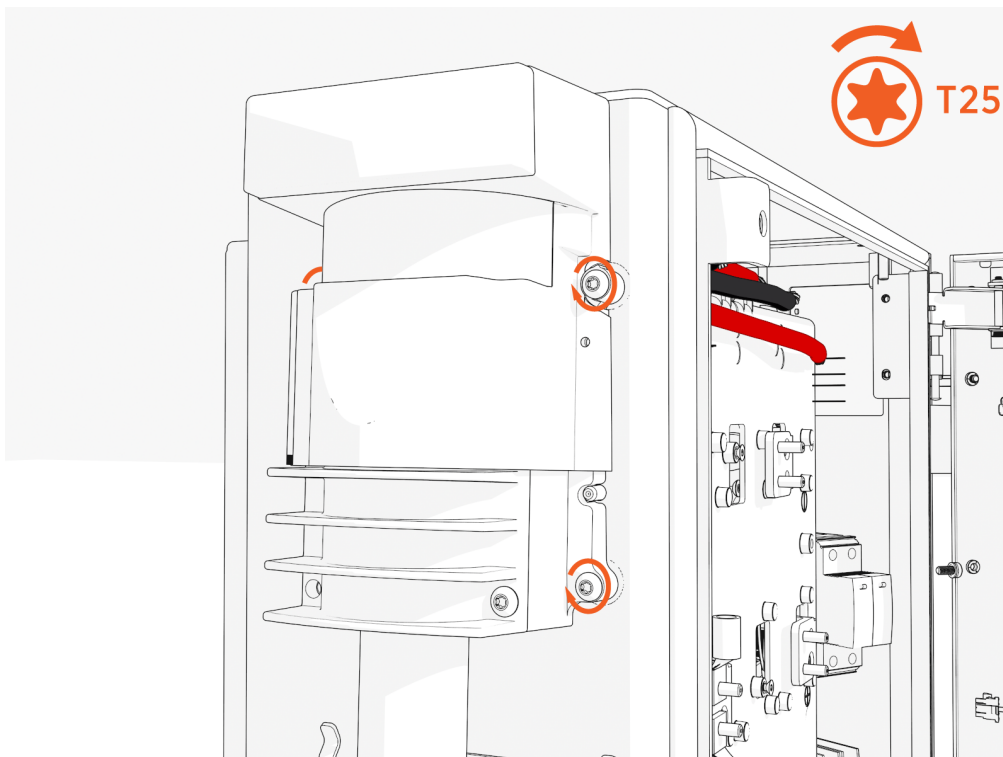
3. If you removed the zip tie, attach a removable zip tie to the cables and ferrite ring.



## Cable Housing

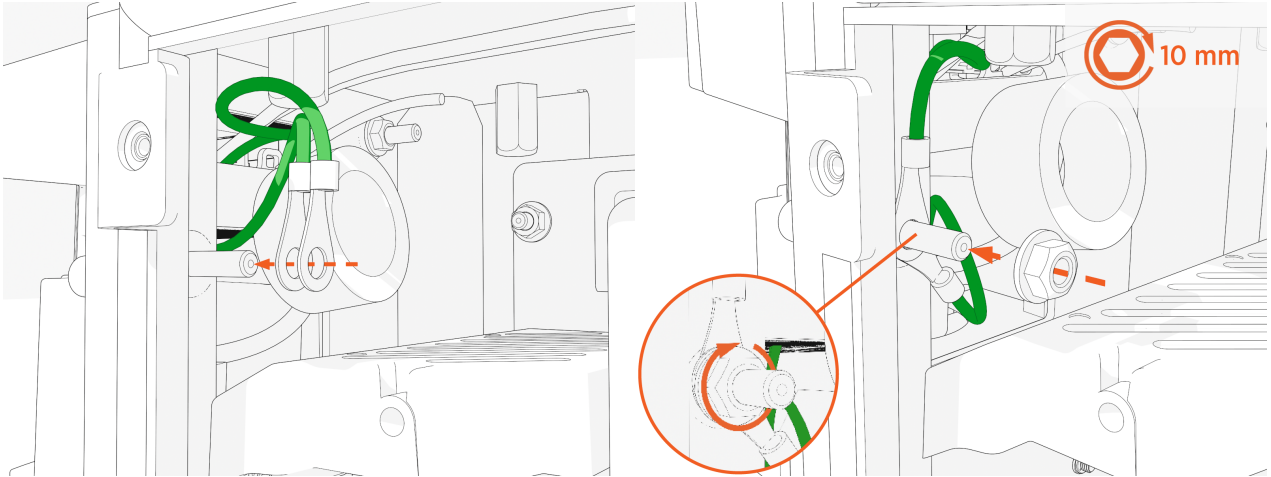
Align the cable housing onto the pegs. Torque to **4.5 Nm (40 in-lb)**.

**NOTE:** Hold or clamp the cable housing in position.

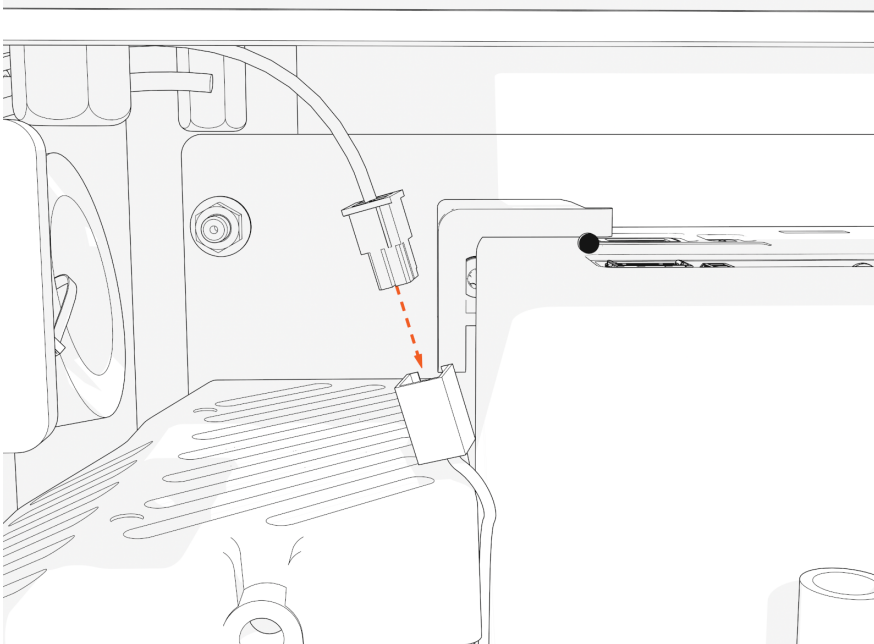


## Ground Wire, 48 V Power, and Ethernet

1. Locate the bolt near the cable housing. Install two ground wires for each charging cable. Secure the wires with a nut. Torque to **5.6 Nm (50 in-lb)**.



2. Locate the right and left wire harness. Connect one 48 V four-pin power connector to each.



### CAUTION:

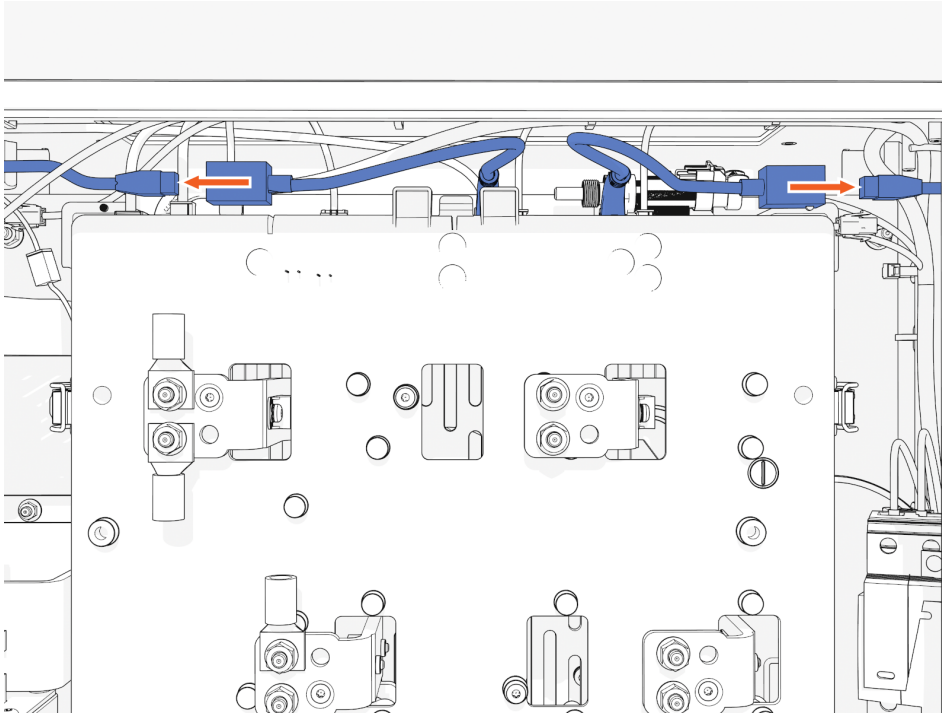


- If you switch connector ports, you could cause charging cable misidentification or disrupt status reporting between the local system and the ChargePoint Cloud Dashboard.



- If you don't attach the lugs to their correct plate locations, you could reverse positive (red) and negative (black) polarity. This could damage the station or vehicle.

3. Plug the RJ45 Ethernet connectors from the left and right charging cables into RJ45 couplers on the left and right side respectively.



## DC Lugs and Nuts

1. Land each positive and negative DC lug with a nut on the correct plate.

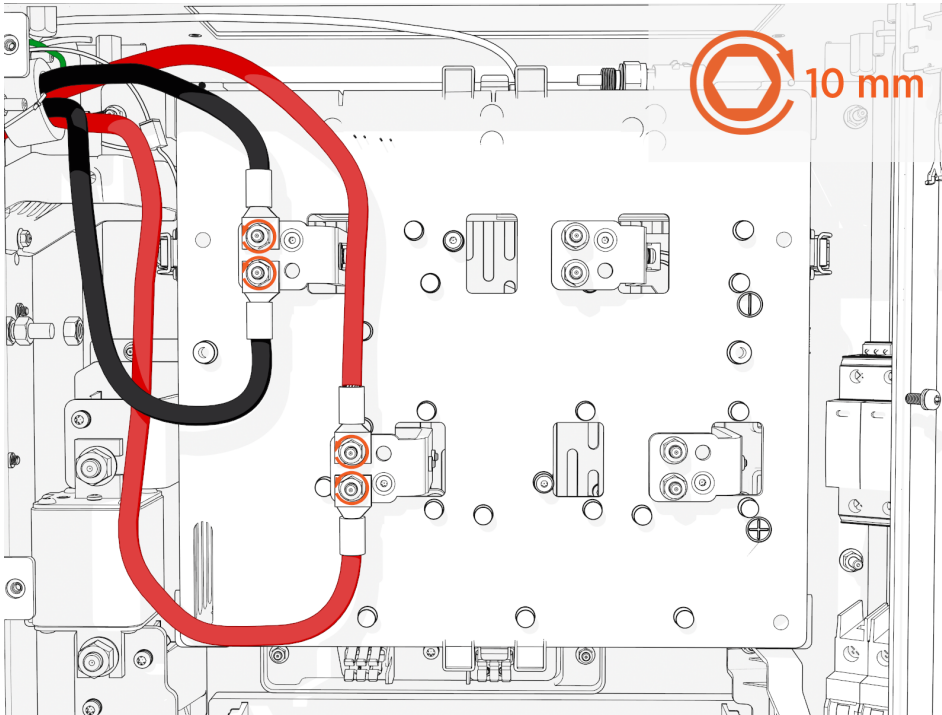
Torque to **5.6 Nm (50 in-lb)**.

**NOTE:** Ensure that the cable pigtails (i.e., loose ends) crimped into a lug are not rubbing against the lug landing plate.

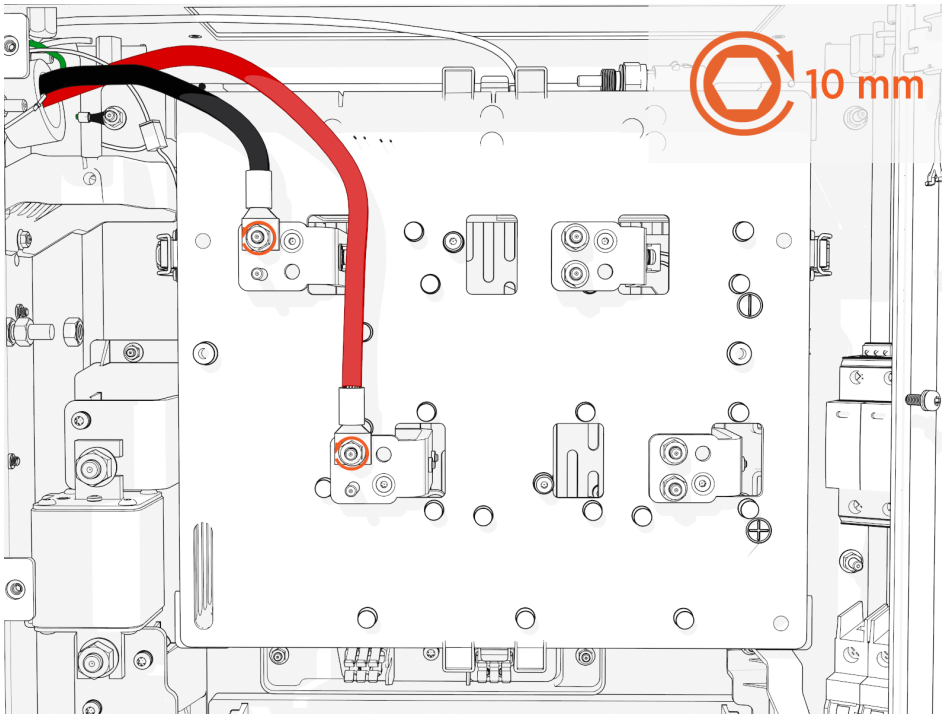
2. Install either four DC lugs for each charging cable of 350 A or two DC lugs for each charging cable of 250 A or less.



350 A:

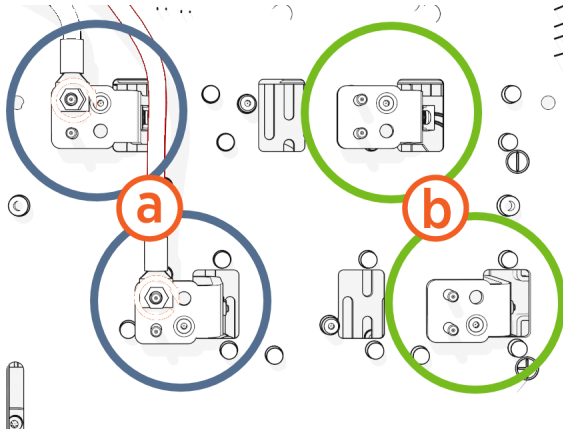


250 A or less:



You must install the charging cable lug to either a left or right plate corresponding to the left or right charging cable.

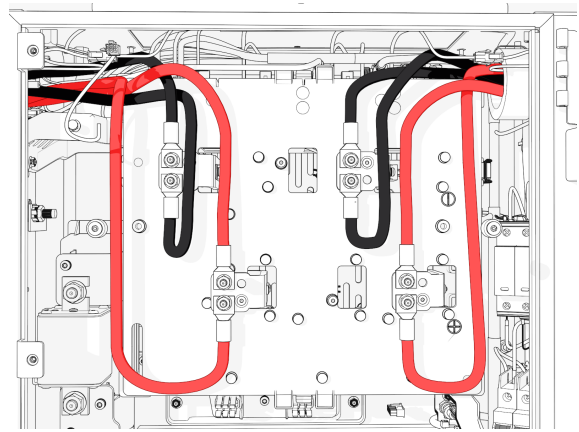
### Left and Right Charging Cables



(a) Left charging cable

(b) Right charging cable

### Red DC Cables to Positive Connectors



You must install each charging cable lug to either an upper or a lower plate to maintain the correct negative (black) or positive (red) polarity.

**CAUTION:** Before work, take a picture of which cable tab plugs into which slot on the contactor assembly. Cables are color-coded (black is negative, red is positive). Color codes are different for each installed charge connector type. It is critical that the cables are reattached to their original locations.



- CHAdeMO has white and black color codes whereas NACS, CCS1, and CCS2 have red and black color codes.
- It is easiest to unfasten all cables for better access, even if only one cable is being replaced.



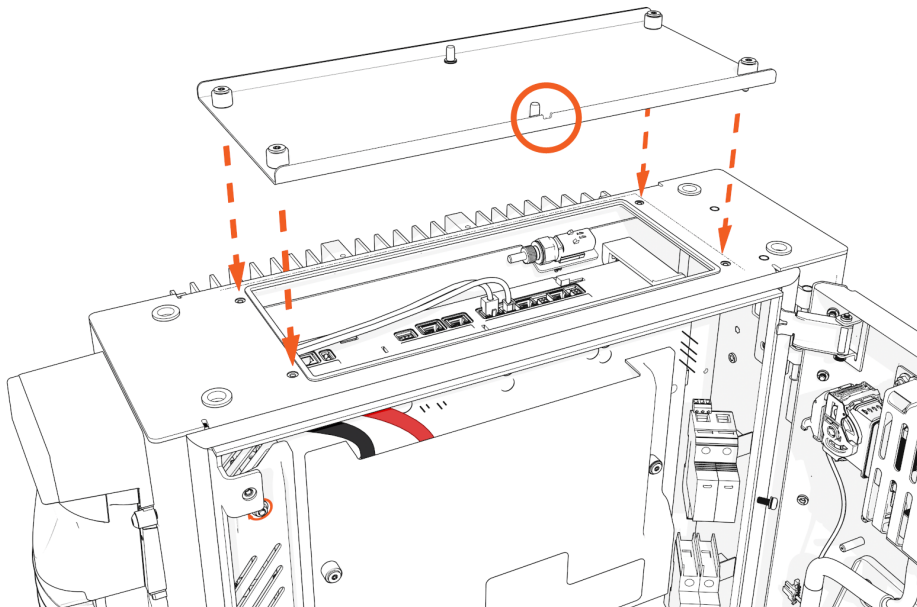
**CAUTION:** If you don't install lugs to the correct plate locations, you could reverse positive (red) / negative (black) polarity. This could damage the station or vehicle.

3. Mark all torqued power connections.
4. Repeat these steps on the other side to install the second charging cable (only if the charging station has second charging cable).

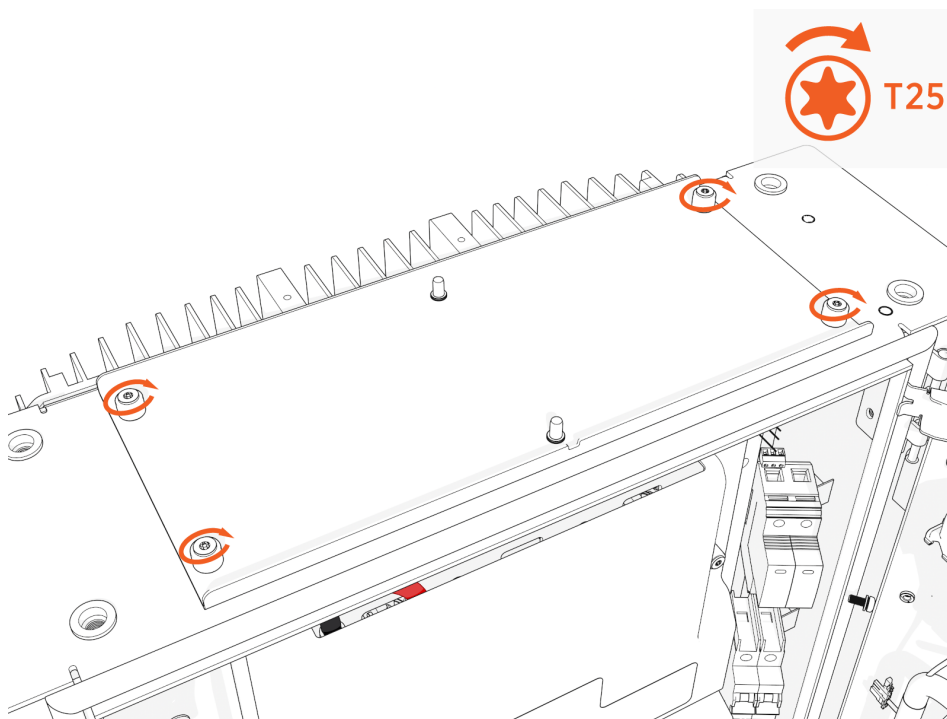
## Reinstall Safety Cover and Top Access Panel

To reinstall safety cover and top access panel, complete the following steps:

1. Use a stepladder to position yourself above the panel.
2. Position the panel with the notch at the front.



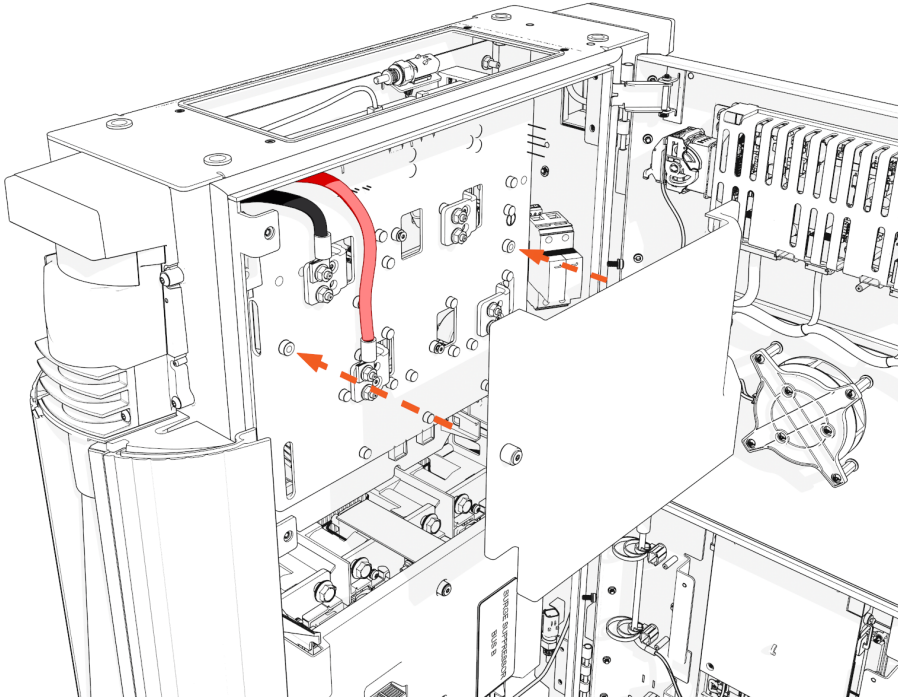
3. Torque to **2.8 Nm (25 in-lb)**.



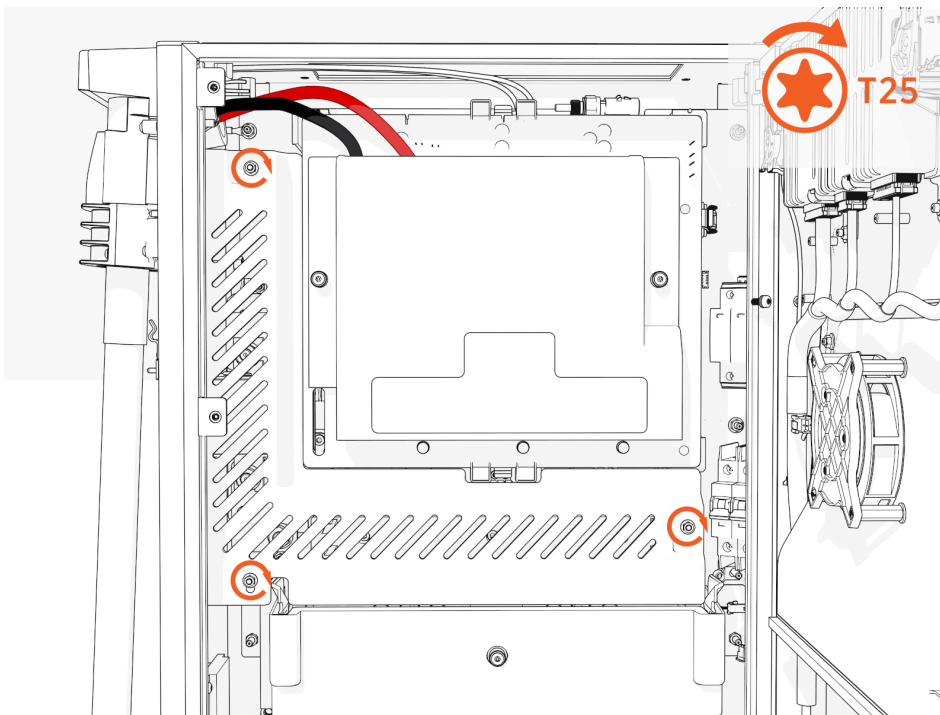


- Align and insert the keyholes on the safety cover and slightly slide the safety cover down to hold it in place.

**Note:** The safety cover has ribs in place to ensure that the charge cable terminations cannot touch the lug landing plates.



- Tighten the two M4 screws.



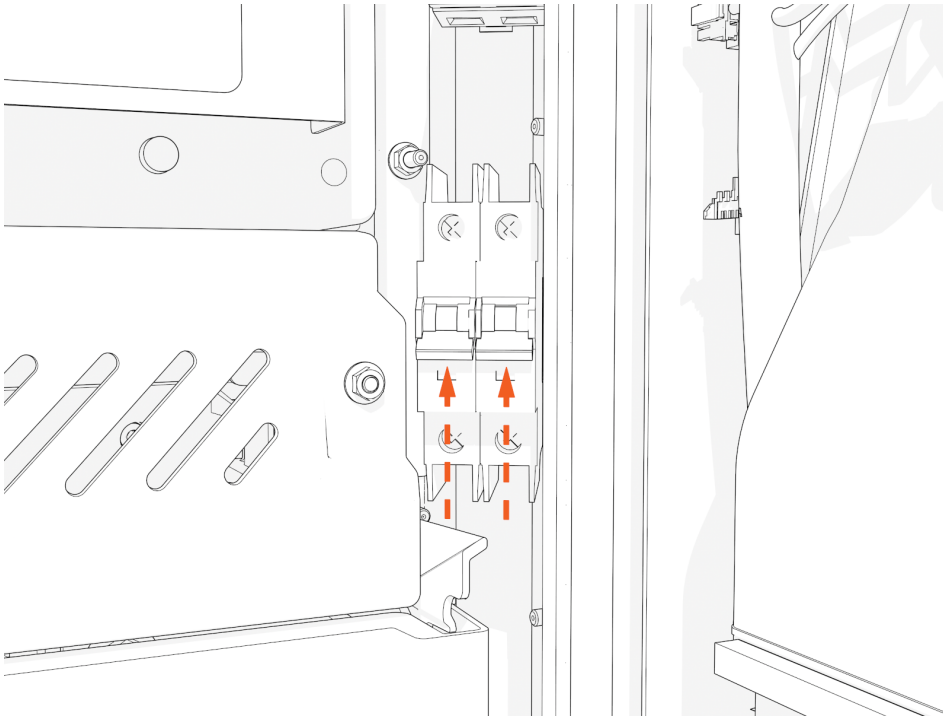
## Install Doors

Follow the instructions to install doors for different variants:

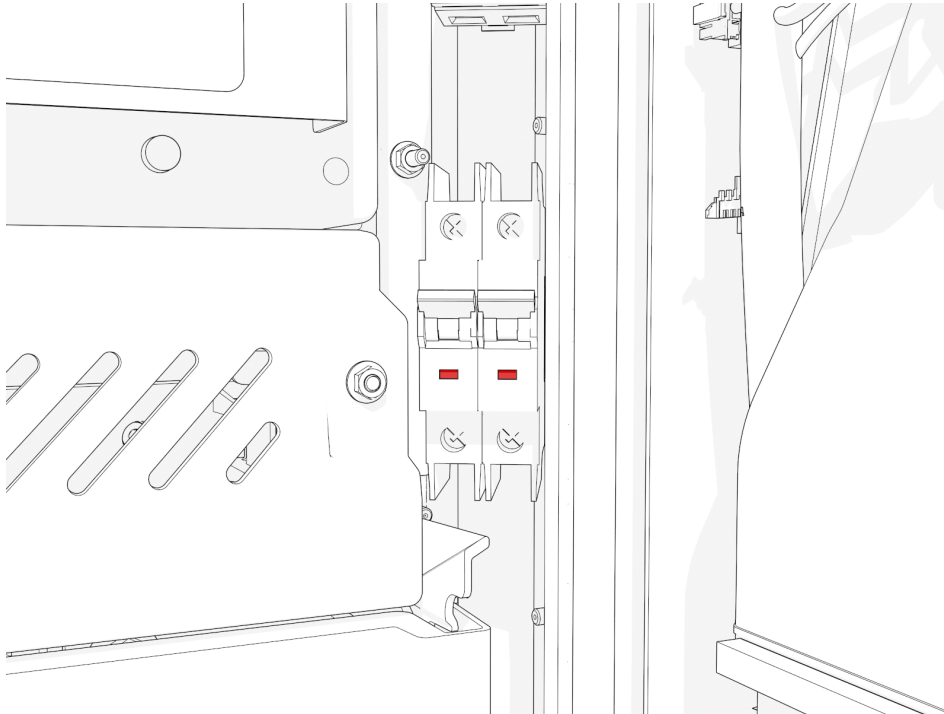
(Standard Pedestal)

### Power On 48 V

1. Locate the 48 V DC breaker.



- 
2. Flip up the switch to ON. The indicator light should turn red.



## Install Upper Door

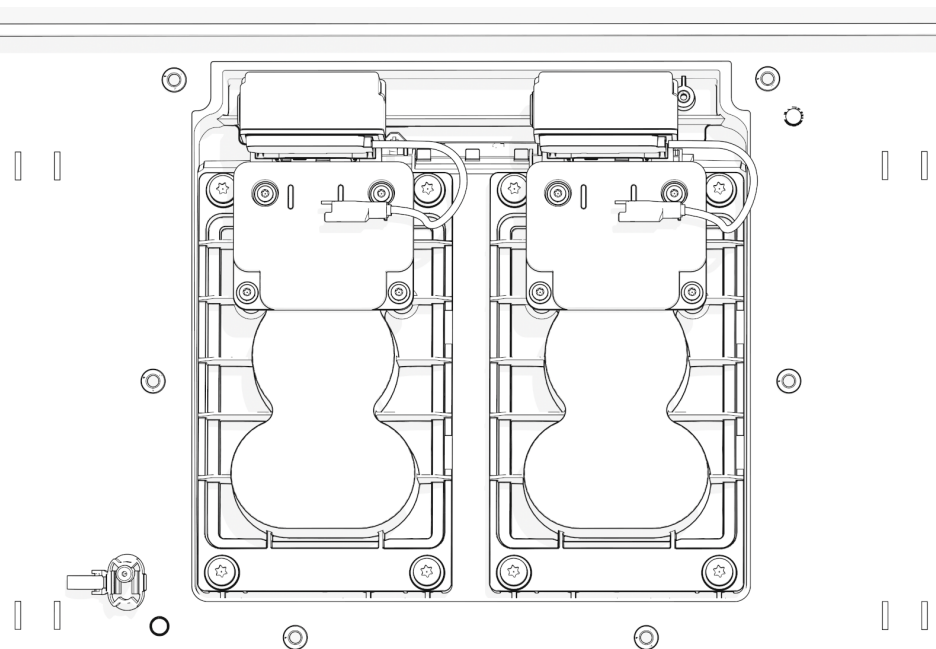
**NOTE:** If your unit has a lower safety panel that you did not yet reinstall, do so now.

## Install and Connect Holsters



**IMPORTANT:** Route the holster wiring correctly to avoid charging cable misidentification or disruption to status reporting between the local system and the ChargePoint Platform Dashboard.

1. Match each holster to the connector type for each charging cable on each side.
2. Fit the correct holster into the opening at the center. Install screws into each holster.



3. Optional lock feature:  
Route and connect the wiring to each holster.
  - a. Route the wiring harness through the notch (at right) in the lower safety panel.
  - b. Locate the markings "1" and "2" on the housing at the base of the wires.
  - c. Connect the holster near the door hinge to wire "2".
  - d. Connect the holster near the door opening to wire "1".

## Install Lower Door

1. Disengage wind stops and close the door.
2. Torque screws on the door to **4.5 Nm (40 in-lb)**.
3. On the right side of the door, insert the bottom of the door bracket. Tilt in the top of the door bracket. Push down into position.
4. Torque screws on the door bracket to **1 Nm (10 in-lb)**.

# Install Covers

Follow the instructions to install covers for different variants:

## (Standard Pedestal)

Identify if you have preassembled covers or unassembled components (vinyl signs, trims, and top cap).

**NOTE:** To request a change, contact ChargePoint Support ([chargepoint.com/support](https://chargepoint.com/support)).

### IMPORTANT:



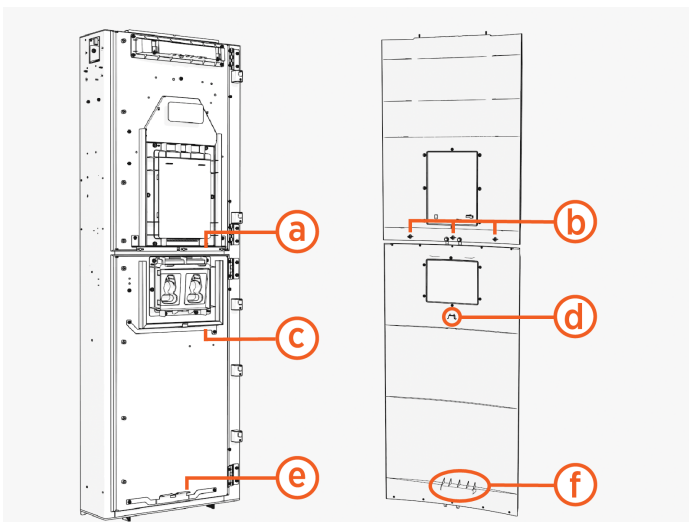
Continue to the applicable instructions.

A. Preassembled covers

B. Unassembled vinyl signs, trims, and top cap

## A. Install Preassembled Covers

1. Notice the three brackets on the doors. Pins and hooks on the covers fit into these.



Upper door and cover:

(a) Upper bracket with three clips

(b) Three pins

Lower door and cover:

(c) Middle bracket

(d) Middle hook

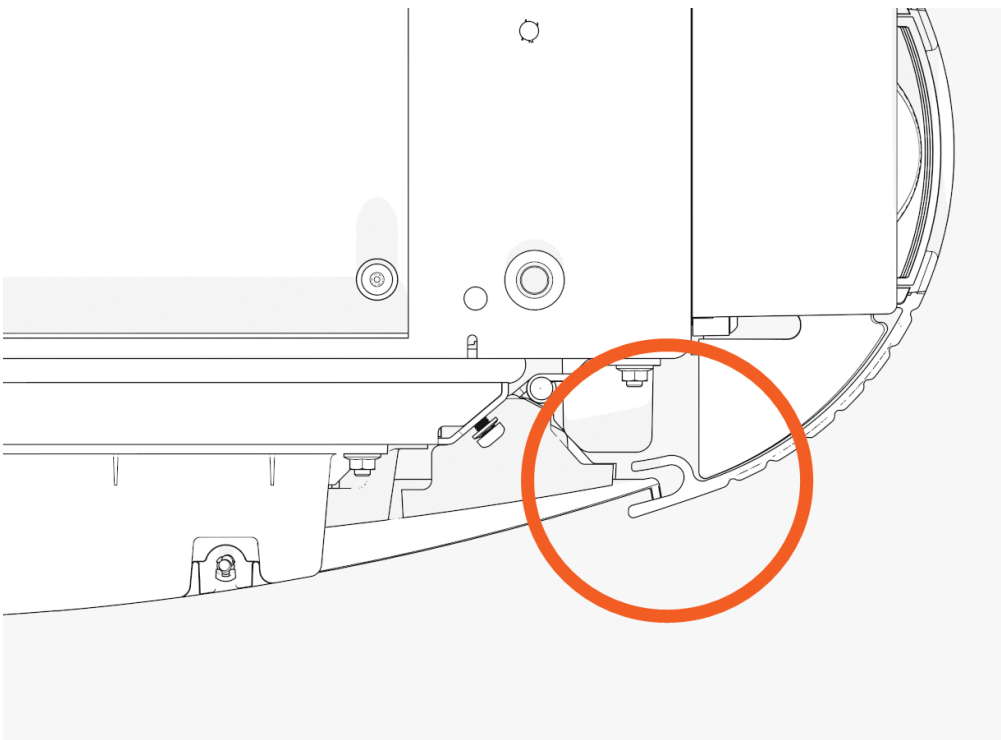
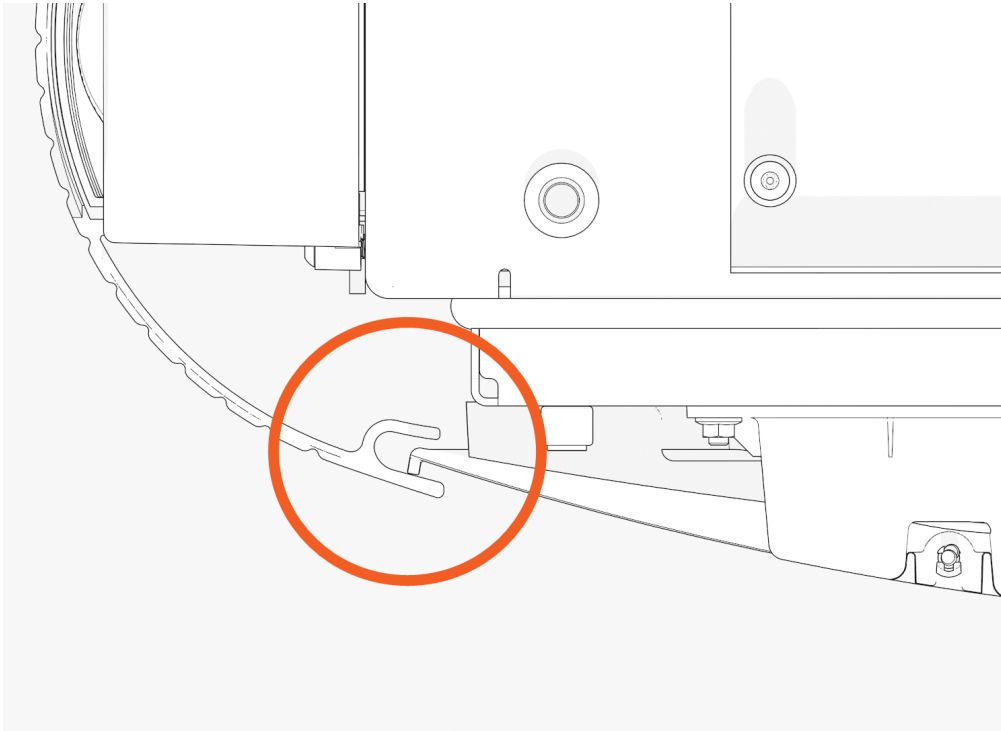
(e) Lower bracket

(f) Lower hook

## Front Covers



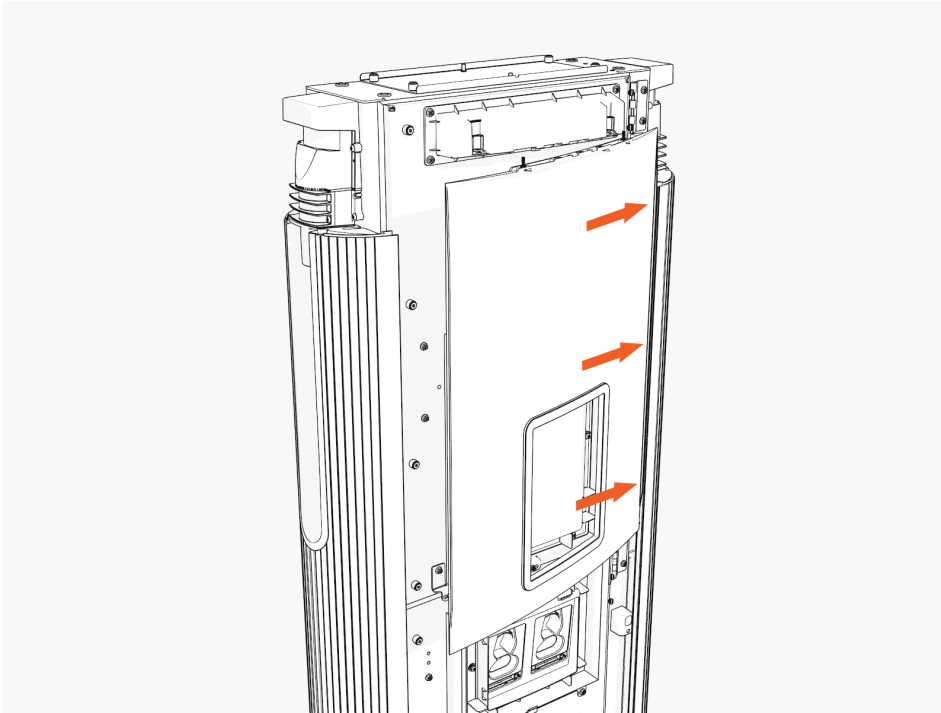
**IMPORTANT:** The upper and lower covers fit into vertical grooves at the right and left. Notice the location of the grooves when viewed from the top.



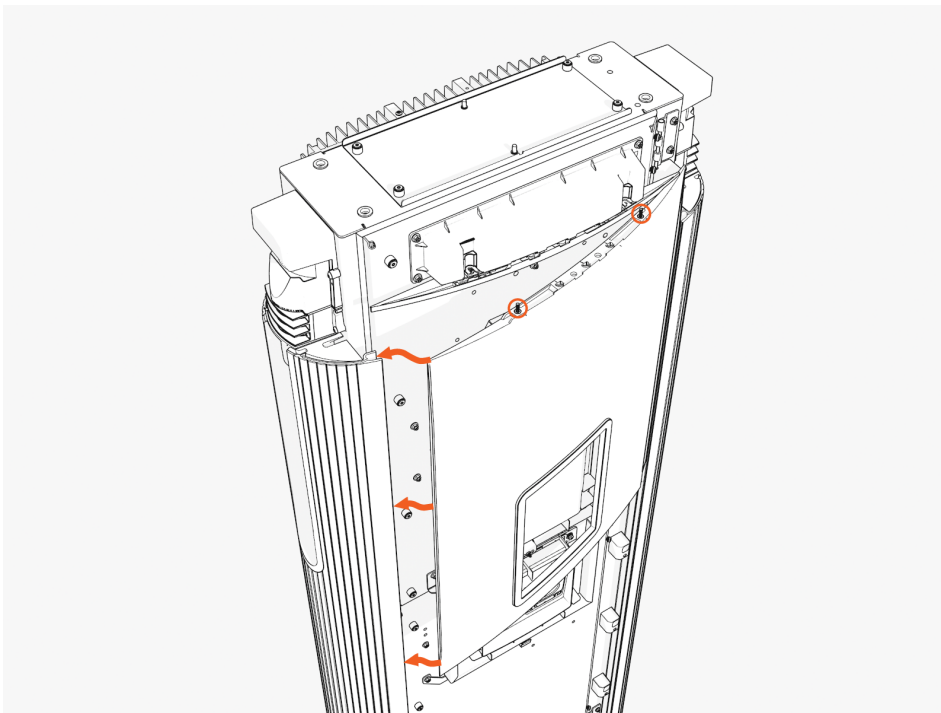
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## Upper Cover

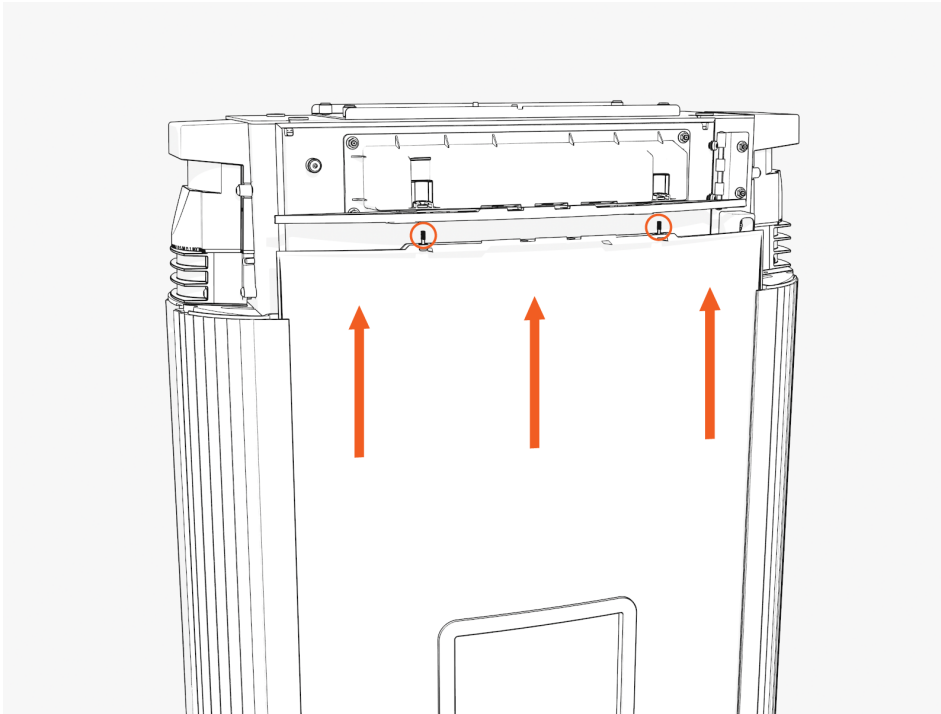
1. Slide the left or right edge of the cover into the left or right groove.



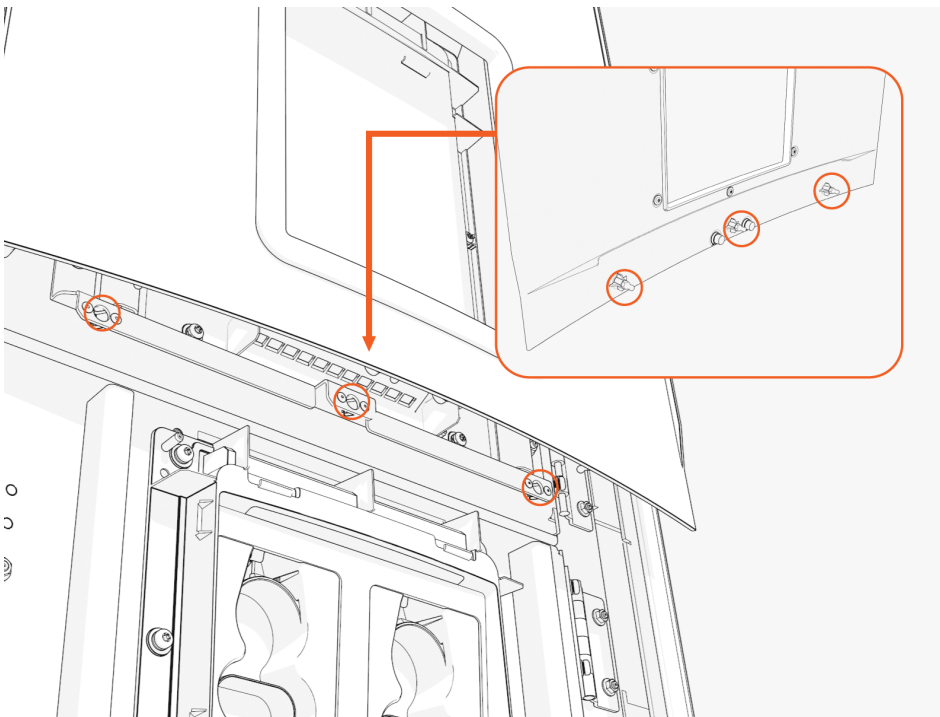
2. Rotate and bend in to slide the other edge into the other vertical groove.  
While rotating in, ensure the captive screws at the top edge of the cover do not come in contact with the downlight housing.



3. Hold and flex the bottom center of the cover slightly outward and slide it up to mate with the downlight housing. Align and seat the captive screws with the openings in the downlight housing (screws will be tightened later when the top cap is installed).



While flexed, align the three ball studs on the cover with holes into the bracket on the door, and press the cover in to clip in the ball studs.

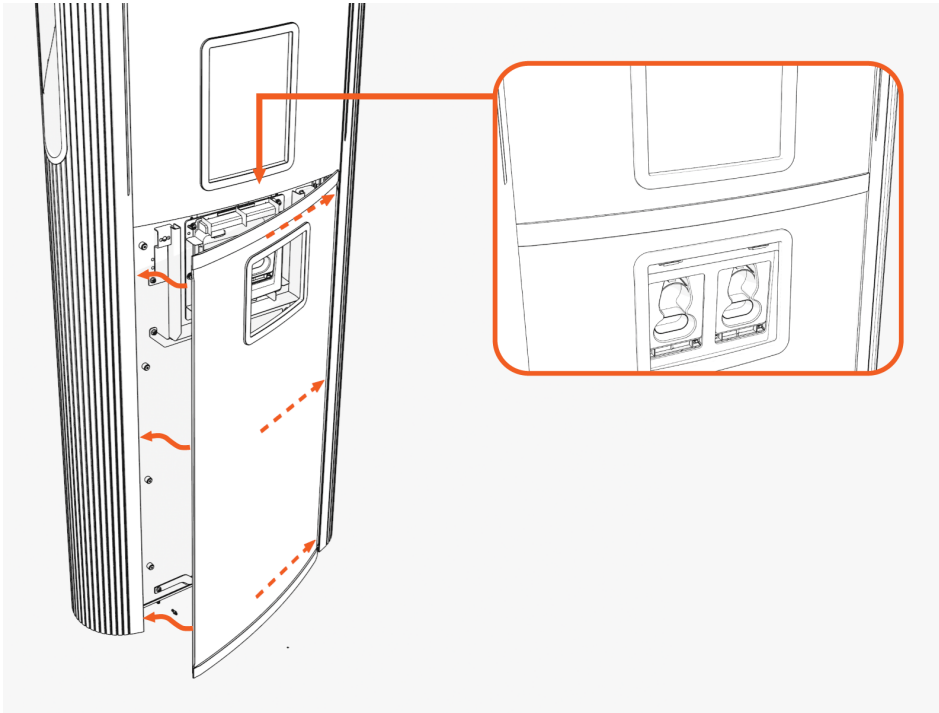




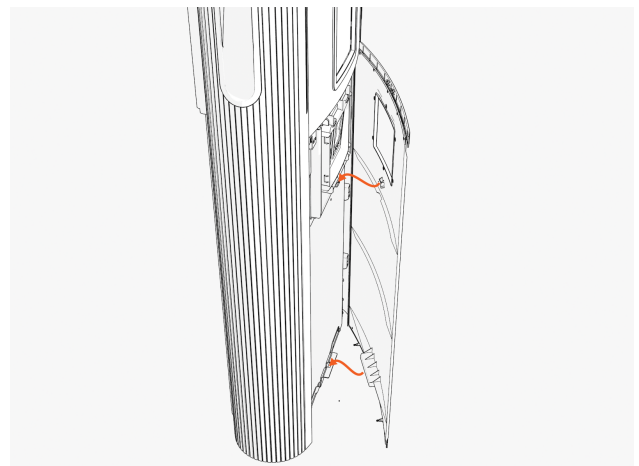
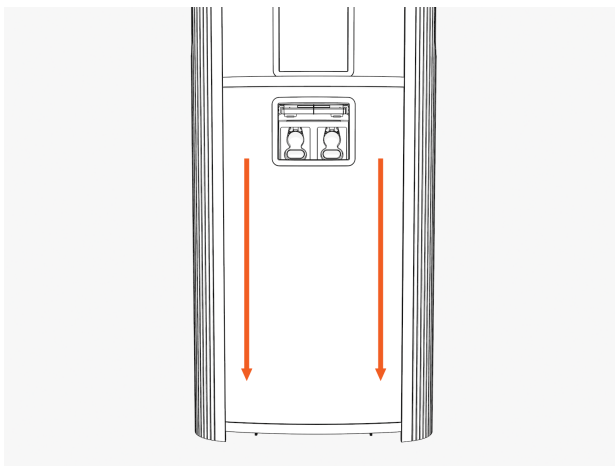
## Lower Cover

1. Slide the left or right edge of the cover into the left or right groove and then rotate and bend in to slide the other edge into the other vertical groove.

While sliding in the edges, hold the top edge of the lower cover just below the lower edge of the CCOM trim, or overlap the top portion of the lower cover about 30-35 mm (1.25-1.5 in) over the bottom portion of the upper cover.

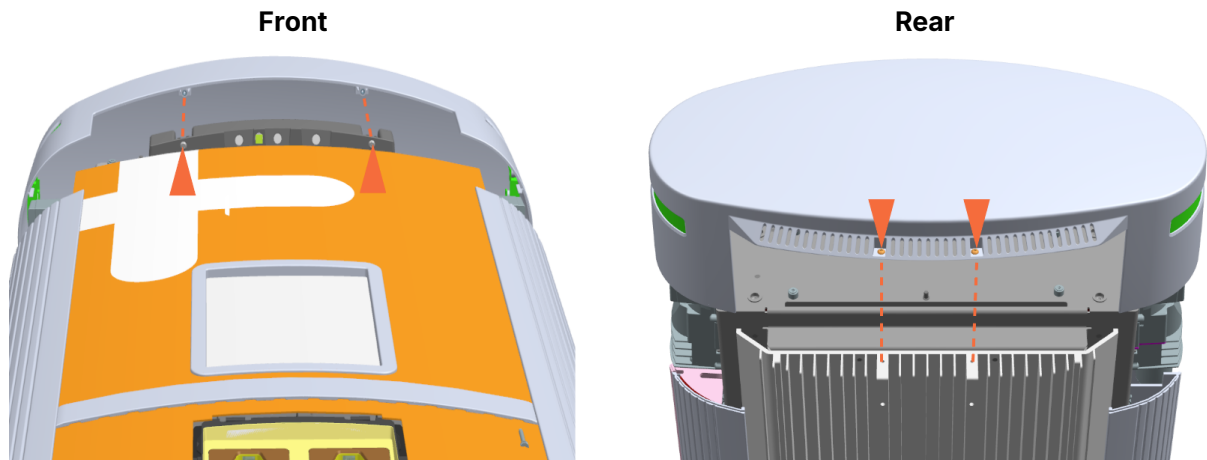


2. Check the top and bottom corners to make sure the edges are seated in the groove, and then slide the cover down. While sliding down, press in on the lower edge of the holster trim and lower edge of the cover to engage the hooks behind the cover.



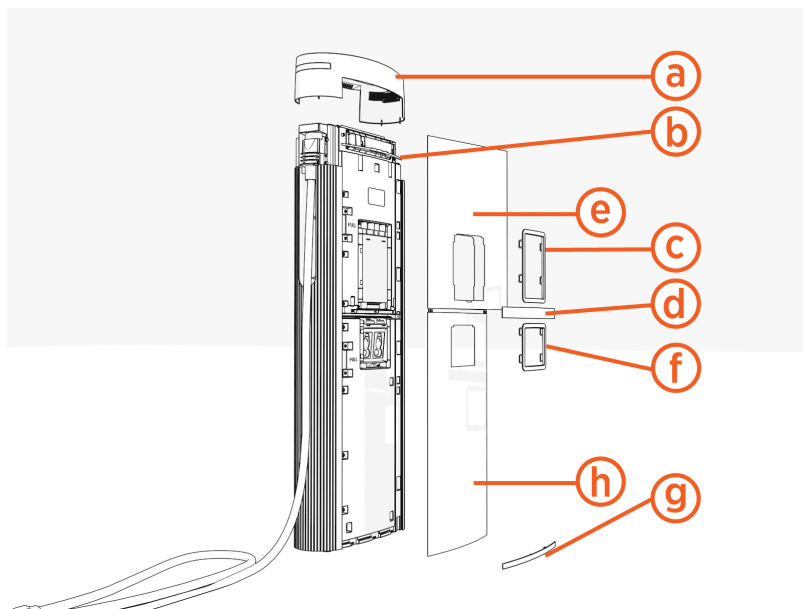
## Top Cap

1. Align the screws (x4) (two at front and two at rear) and install the top cap.



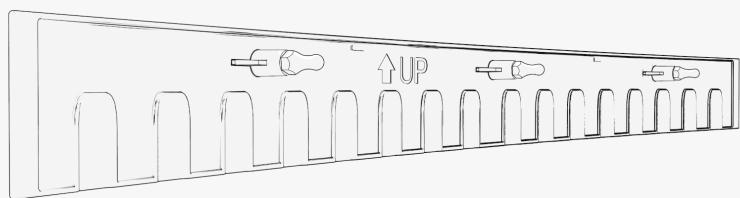
2. Torque the M5 screws (x2) at rear side to **2.8 Nm (25 in-lb)** and M4 screws (x2) at front side to **1.7 Nm (15 in-lb)** (use T25 security screwdriver).

## B. Install Vinyl Signs, Trims, and Top Cover

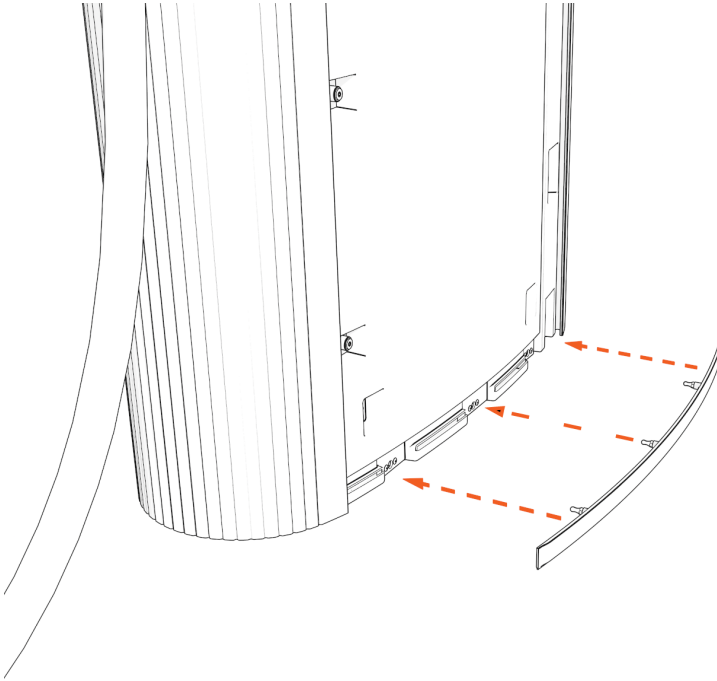


- a. Top cover (helmet)
- b. Upper trim
- c. Interactive display trim (optional)
- d. Middle trim
- e. Upper vinyl sign
- f. Holster trim
- g. Lower trim
- h. Lower vinyl sign

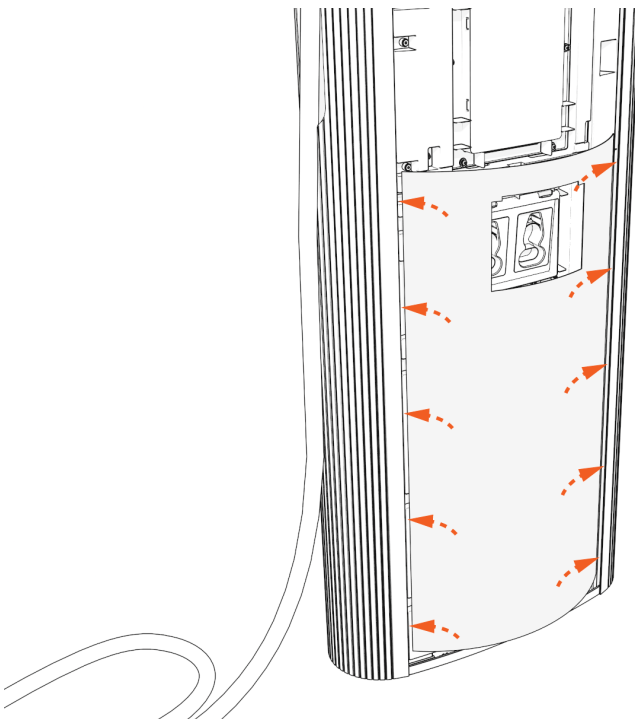
**IMPORTANT:** Notice the imprint on the trim shows which edge goes "UP."



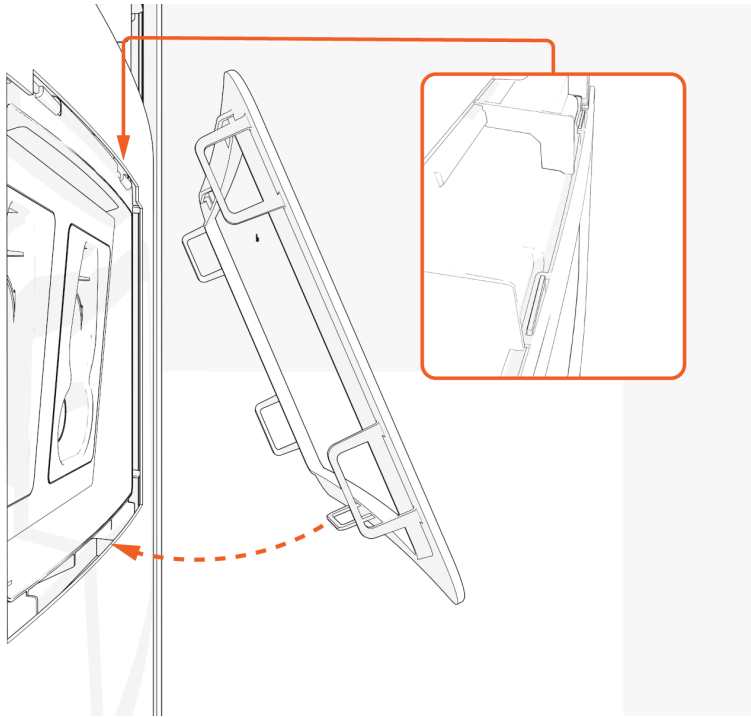
1. Push in the lower trim until it engages with the center and side clips.



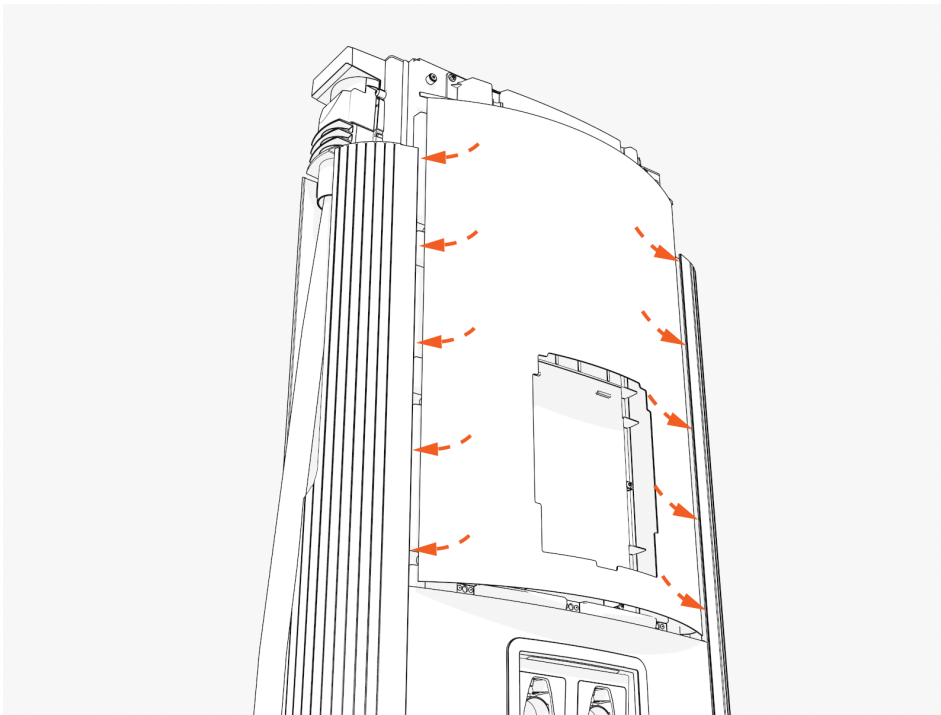
2. Insert the lower cover behind the lower trim. Simultaneously insert both sides of the lower cover.



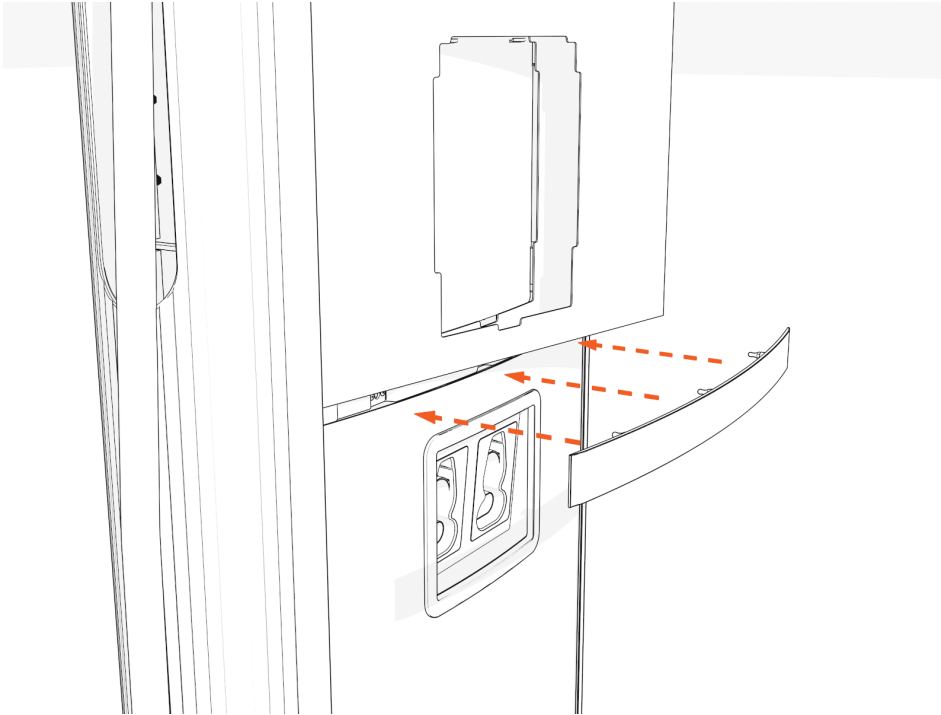
3. Hook the upper side of the holster trim onto two hooks and rotate in. Then, press the lower side of the trim into place.



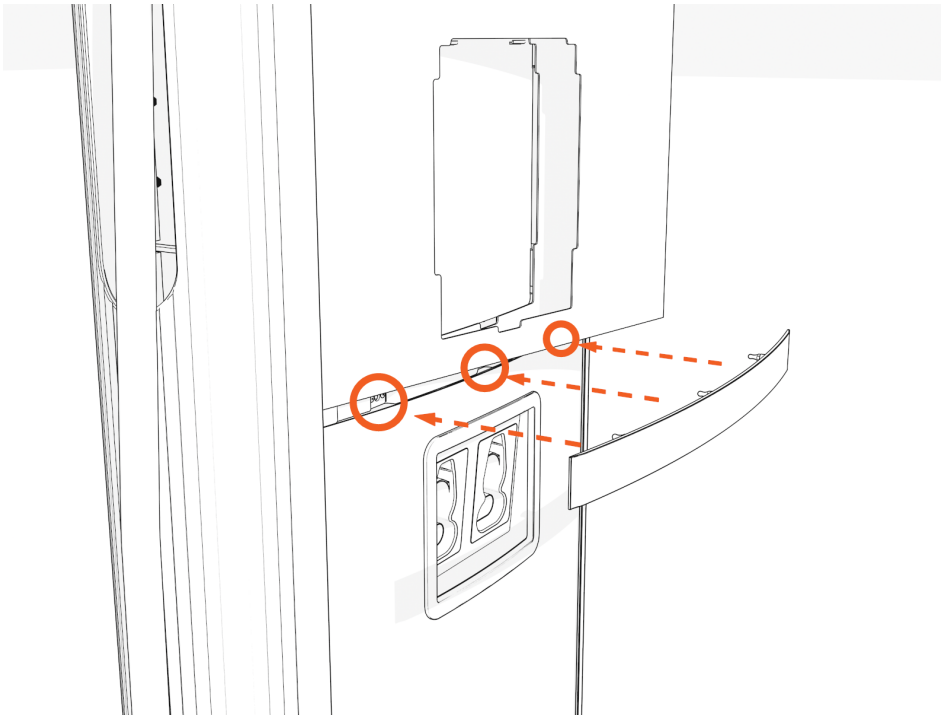
4. Insert the upper cover into each side. **NOTE:** Logo is on upper left.



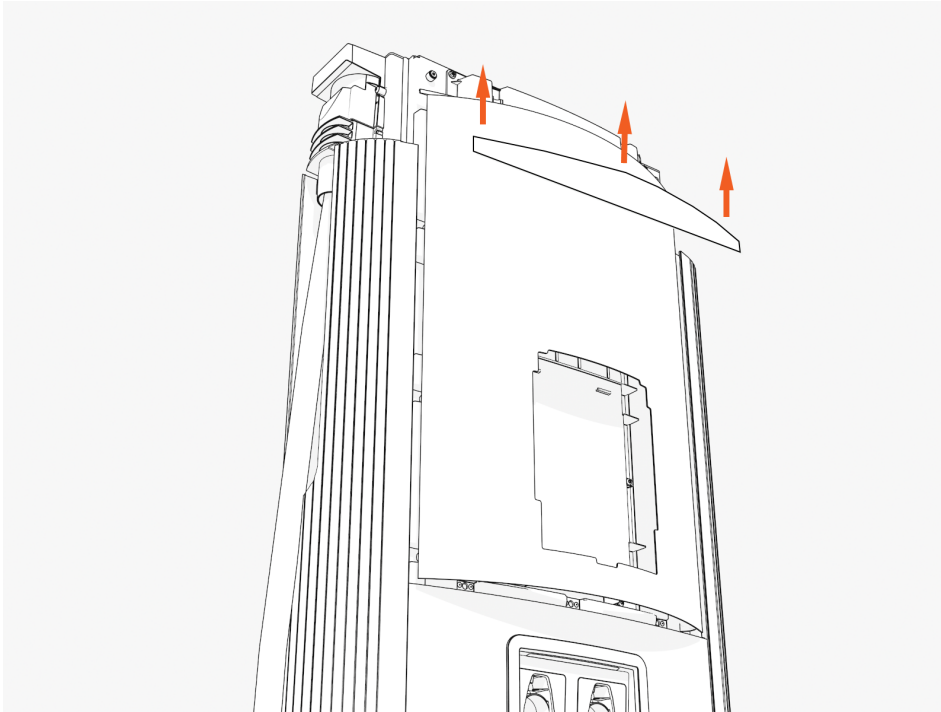
5. Align the upper cover and the ends of the middle trim. Hold the cover in position so that it does not block the trim clips.



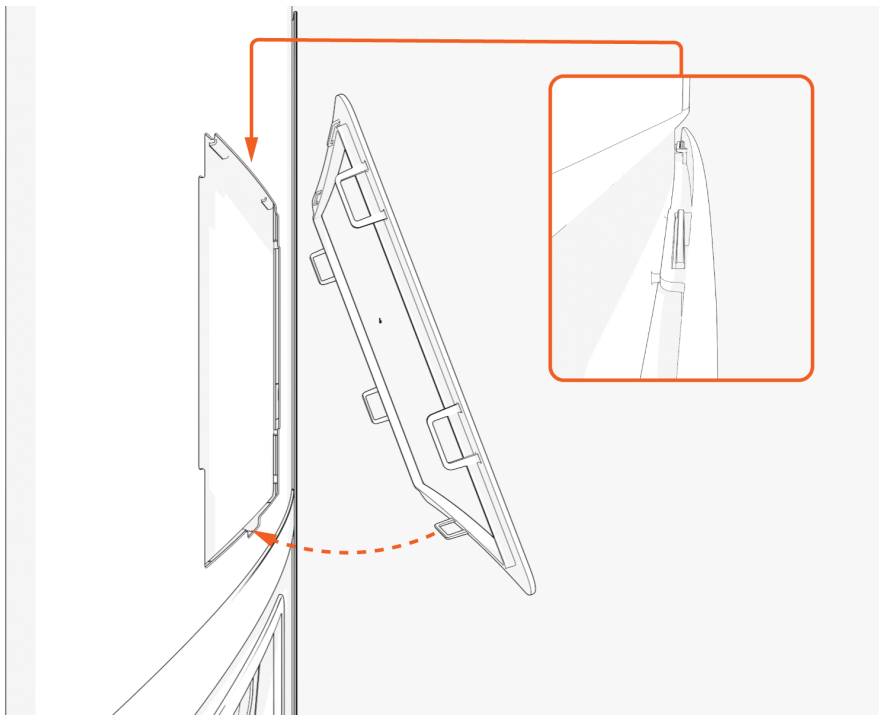
6. Push in the middle trim until it engages with the center and side clips.



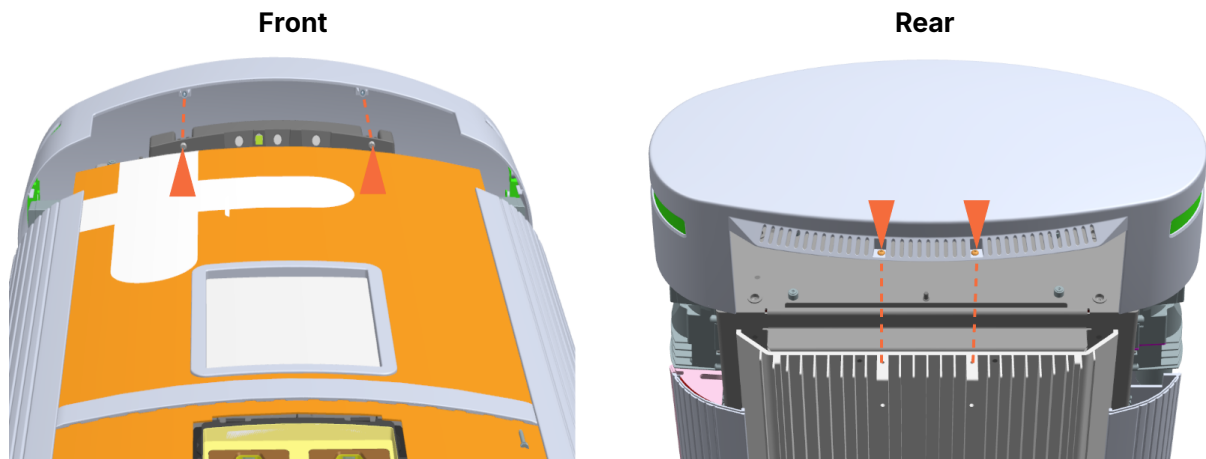
- 
7. Align the upper trim with the magnetic side up. Insert the upper trim until it snaps into position.



8. Hook the upper side of the CCOM trim onto two hooks and rotate in. Then press the lower side of the trim into place.



- Align the screws (x4) (two at front and two at rear) and install the top cap.



- Torque the M5 screws (x2) at rear side to **2.8 Nm (25 in-lb)** and M4 screws (x2) at front side to **1.7 Nm (15 in-lb)** (use T25 security screwdriver).

## Continue to Charging Cable Instructions

Check your site plans to identify your charging cable management system. Follow the applicable instructions below:

- Standard cable management kit (CMK)
- Tall CMK
- Overhead CMK



# Install Overhead Mounted Power 4 Link 1000

Follow these instructions to anchor, install, and wire each Power Link 1000 onto a wall or gantry.

**DANGER:** Check the site plans for the number and type of fasteners required to install the mounting plate and the Power Link 1000.



Fasteners must be appropriate and rated for the type of surface and the combined weight of the Power Link 1000 and all charging cables and accessories. If not, the Power Link 1000 could fall and injure people, damage property, or both.



**CAUTION:** To protect the charging cables from damage, keep them wrapped throughout the installation process.

## Disconnect Power

To disconnect power, complete the following steps:

**DANGER:** RISK OF SHOCK



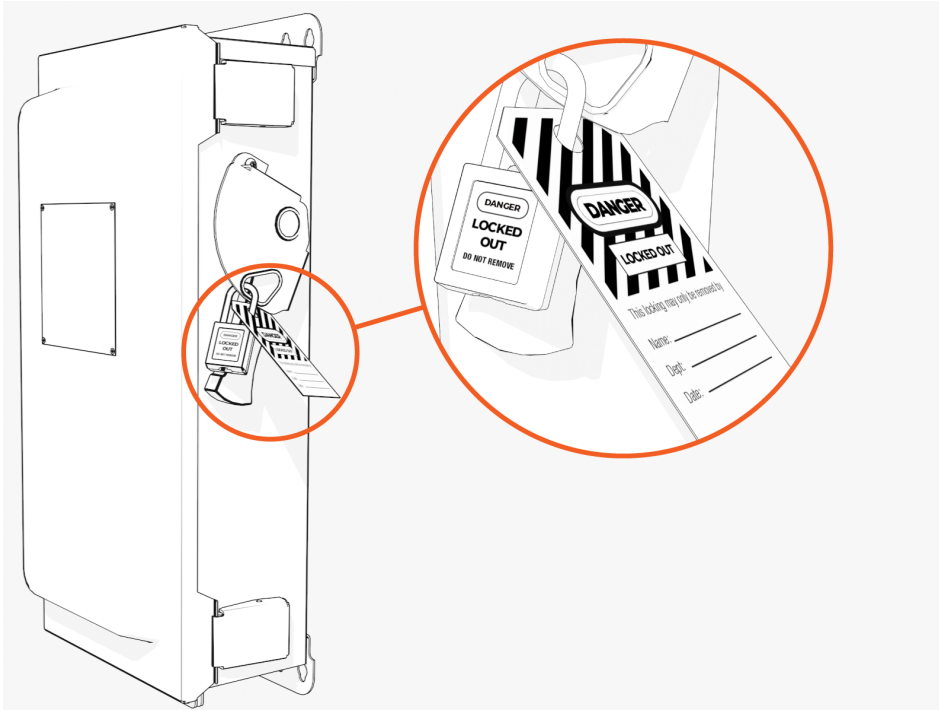
- Before any procedure, disconnect the power.
- Follow local code and site lockout/tagout procedure to de-energize the station.
- Wait for energy to dissipate (approximately five minutes).
- Keep power off until all covers and panels are reinstalled and the work is complete.

FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN SERIOUS INJURY, LOSS OF LIFE, OR PROPERTY DAMAGE.

1. Disconnect power at the site electrical panel.



**NOTE:** Follow standard practice and local code to de-energize the applicable circuit and lock out/tag out the disconnect before proceeding.



2. Use a multimeter to test that the unit is de-energized.

## Install and Secure to the Mounting Plate

To install and secure to the mounting plate, complete the following set of steps:

### Mark Location

To mark location, complete the following steps:

1. Use a multimeter to test each DC conductor for continuity.
2. If not already done, pull service wiring through the wall or conduit as described in the Express Plus Site Design Guide.
3. Measure the distance above grade that the Power Link 1000 will sit.

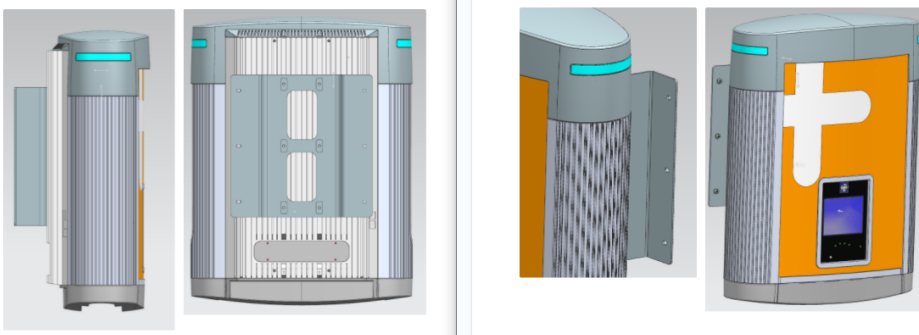


**CAUTION:** Check your specific site plans and the *Site Design Guide* to ensure the Power Link 1000 mounting location meets clearance specifications above ground to comply with ADA regulations and above grade to comply with flood regulations.

4. Use the mounting plate as a template to determine position. Measure position and ensure level placement. Mark the mounting holes.
5. Consult site plans for any site-specific requirements.
6. Attach the mounting plate to the surface. Install six M8 bolts or studs spaced 400 mm (16 in) center to center.

Torque to the specification indicated in the site plans.

**NOTE:** Contractor provides fasteners. Site plans must specify fasteners appropriate for and rated to secure the weight to the material.

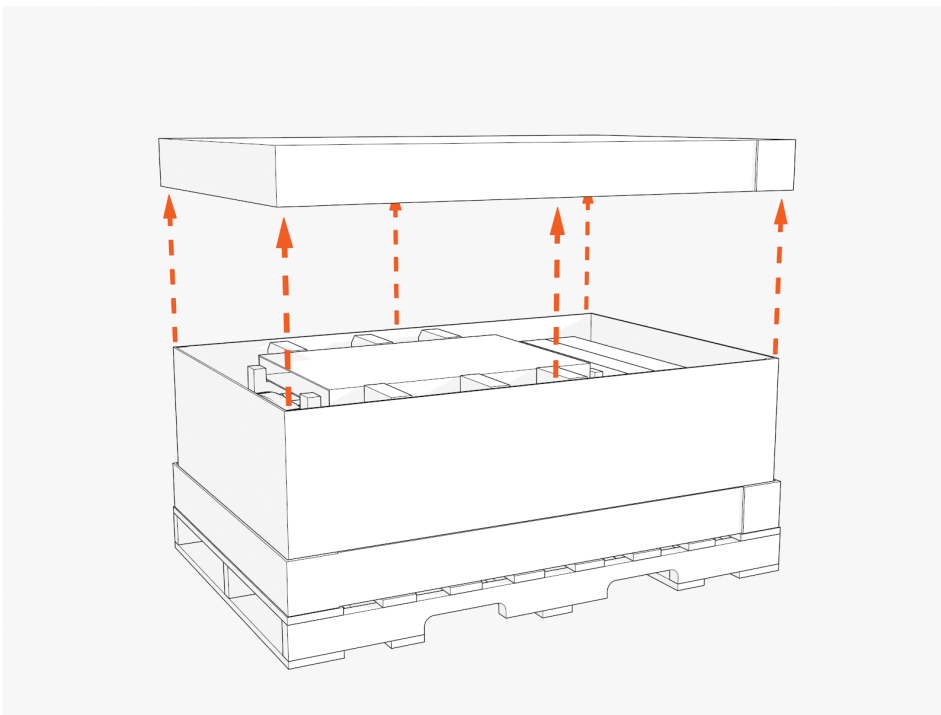


**IMPORTANT:** Align the vertical center of the mounting plate with the wiring that enters from the ground or rear of the installation site.

### Unpack

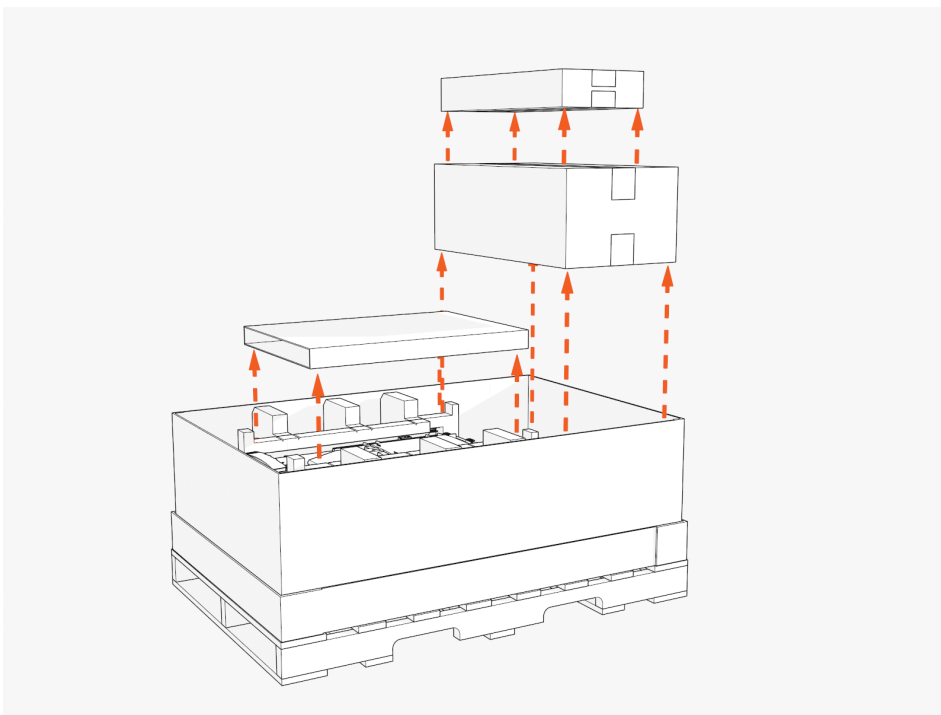
To unpack, complete the following steps:

1. Lift off the crate cover.

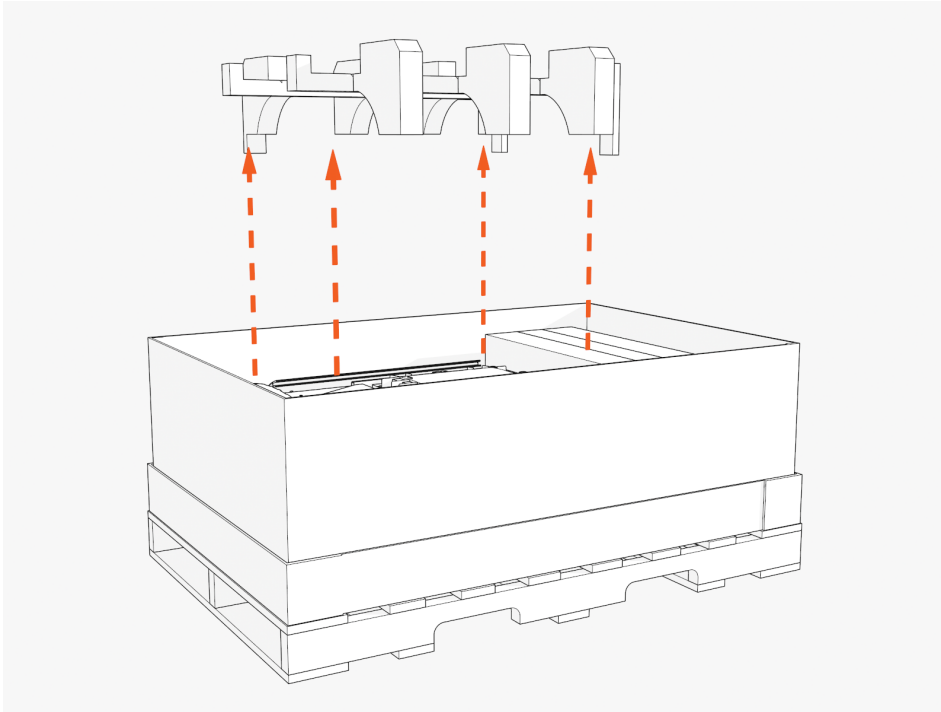


2. Set aside the separate packages that are inside the crate.

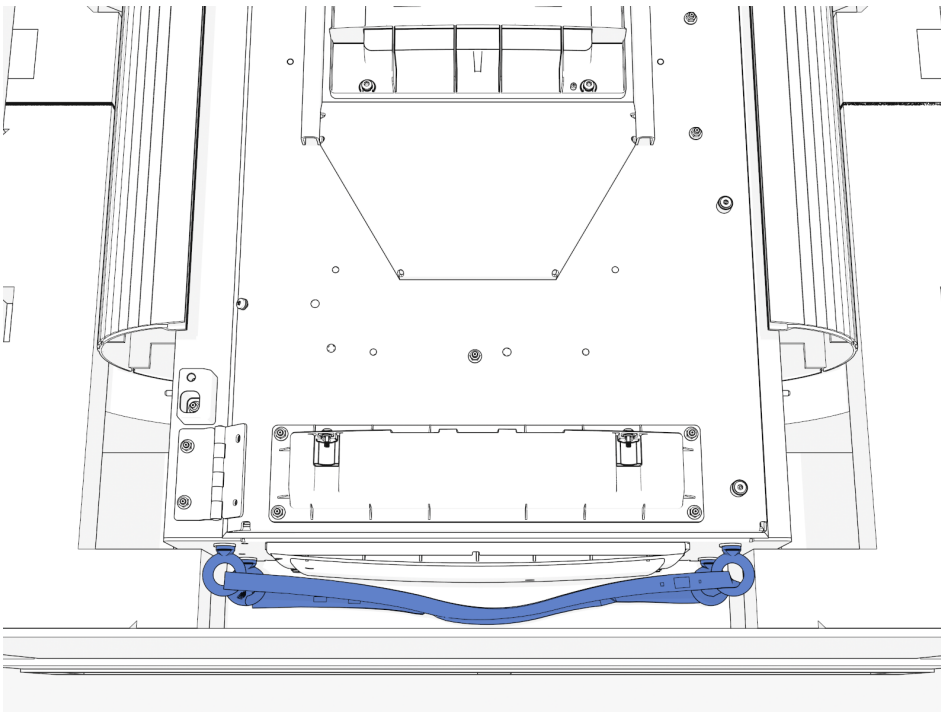
**NOTE:** These packages contain vinyl signs, trims, and top cover to be installed later.



3. Remove the top foam inserts.



4. At the top of the Power Link 1000, locate four preinstalled eye bolts and lifting straps.



---

## Access Inside

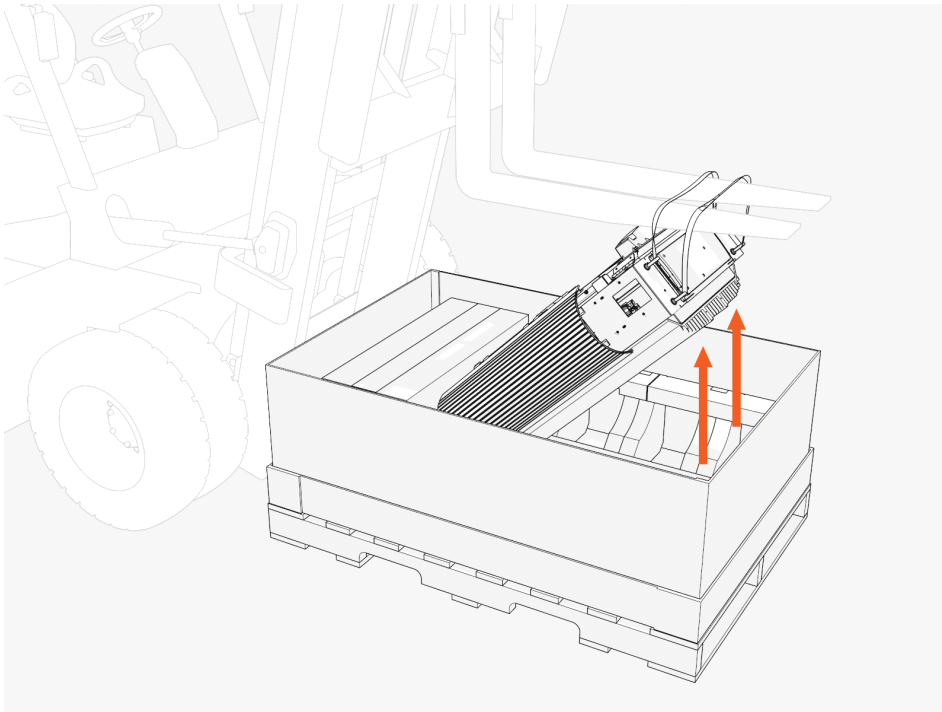
To access inside, complete the following steps:



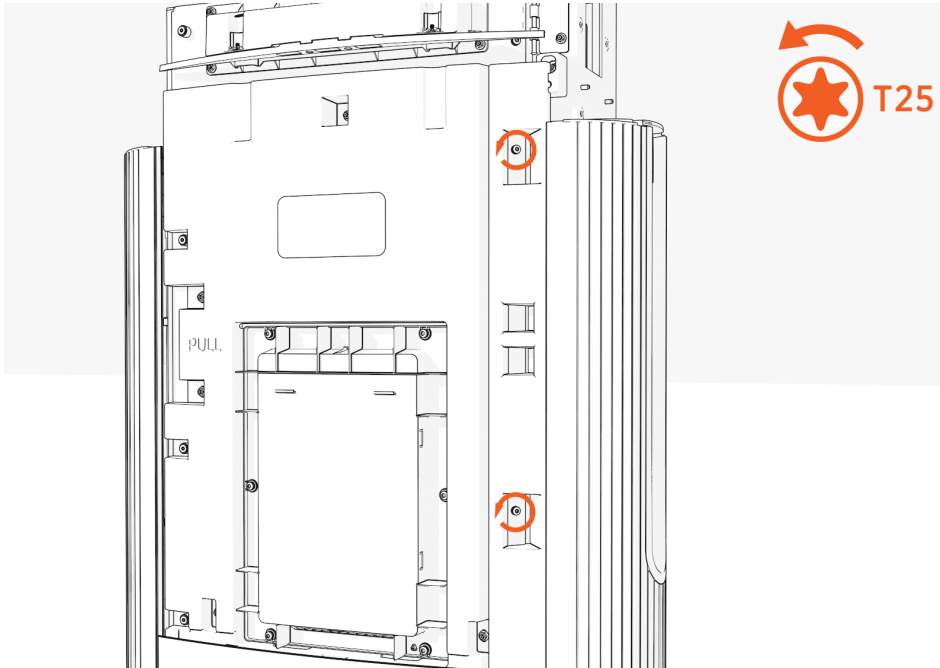
**IMPORTANT:** Keep components in a cool area out of direct sunlight until you reinstall them.

1. Lift up the Power Link 1000 by the lifting straps.

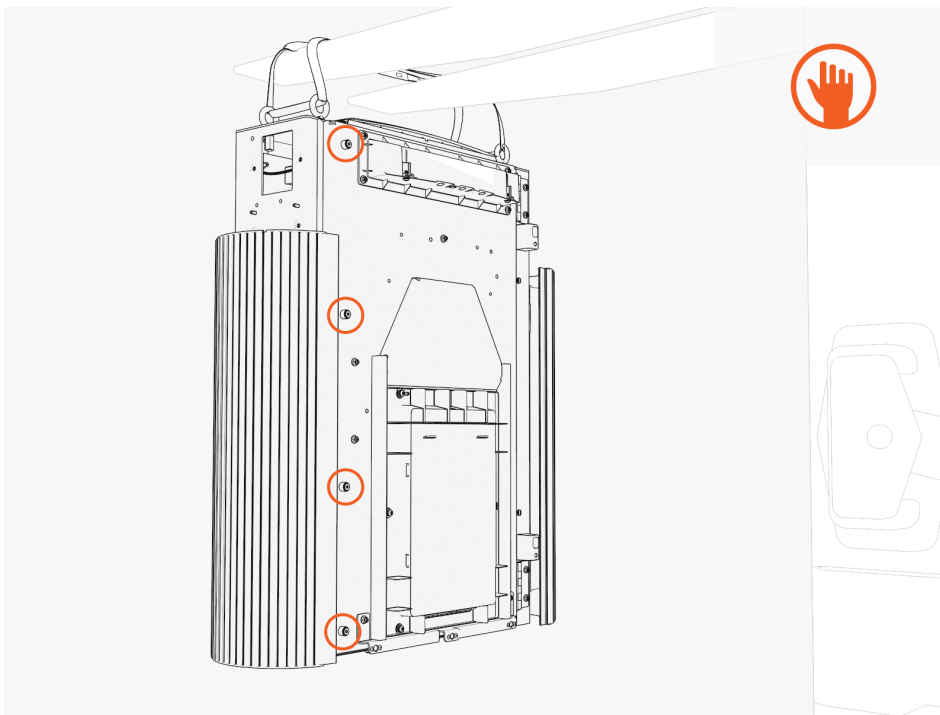
**NOTE:** Use a forklift or service cart with retaining straps.



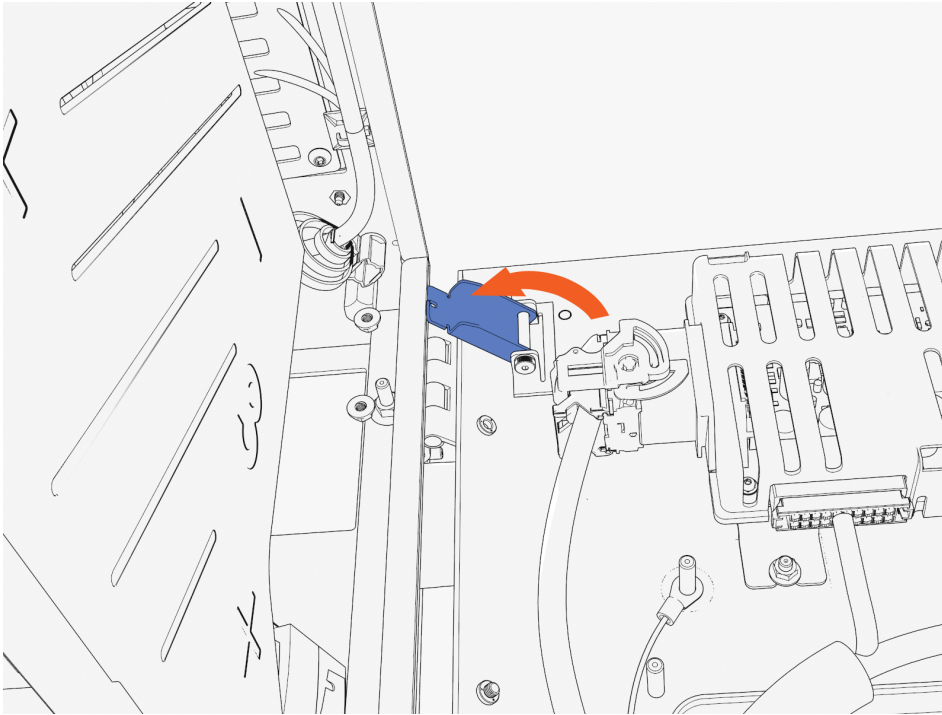
2. Loosen the two screws from the door bracket (only if covers are unassembled).  
Hold the middle of the door bracket. Lift and tilt out.



3. Uninstall the four screws along the left side to open the door.



- 
4. At the hinges inside the door, rotate the orange-colored wind stops into the door gap (to prevent the door from accidentally closing while you work).

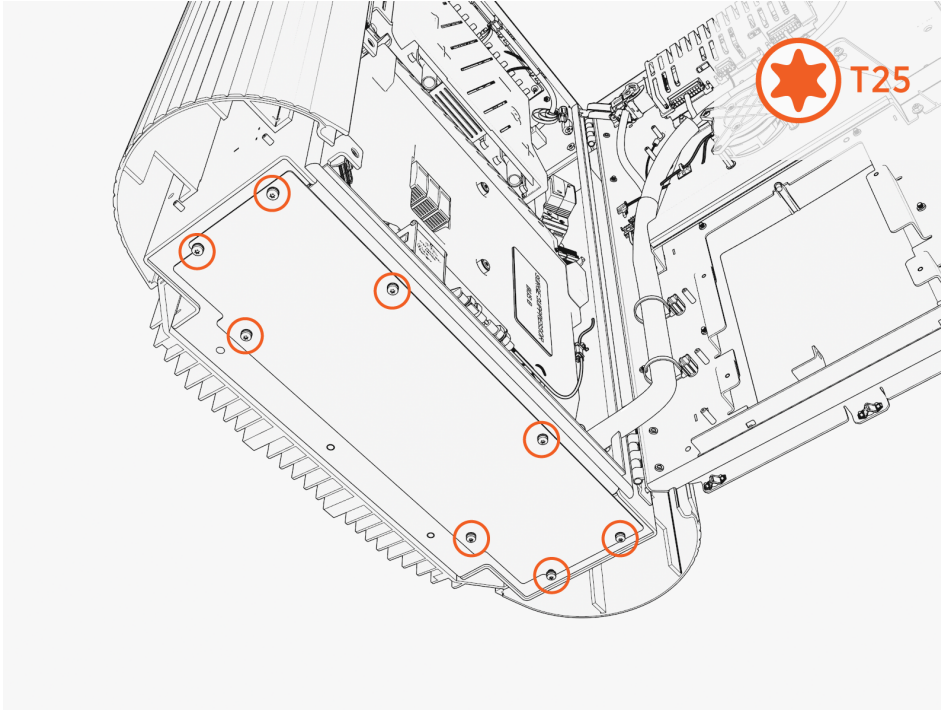


## Gland Plate

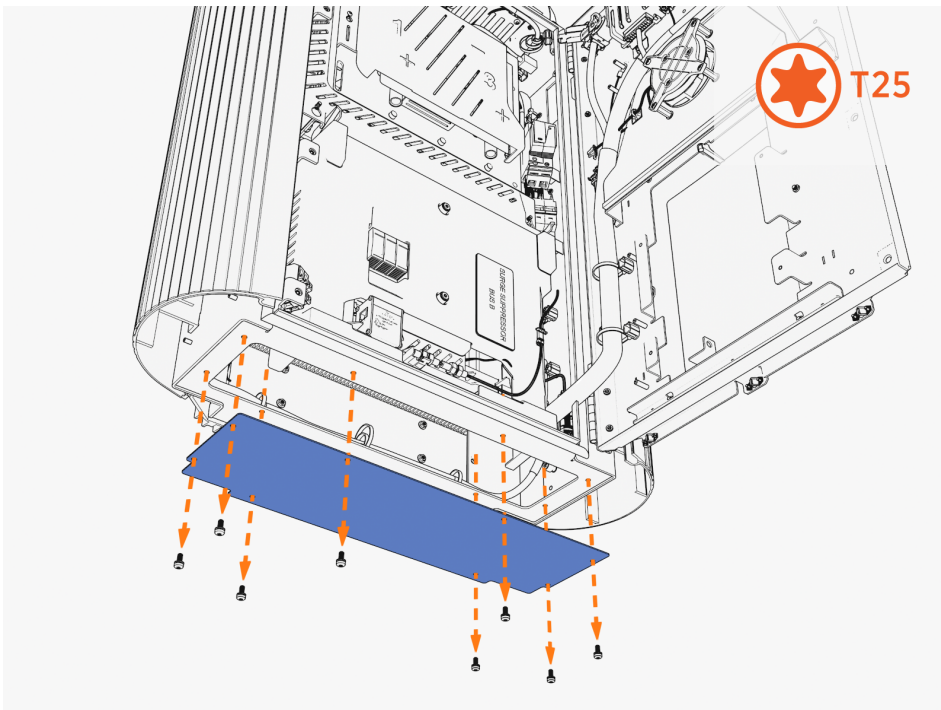
To create openings in the gland plate for the wiring, complete the following steps:



1. Uninstall the screws from the gland plate located at the bottom.

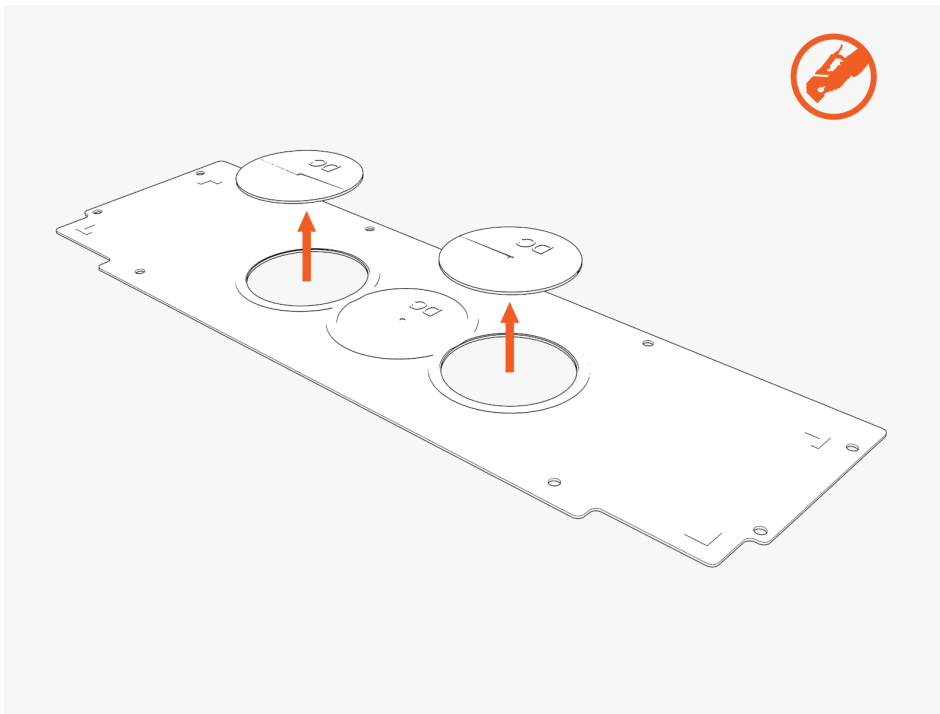


2. Remove the gland plate.

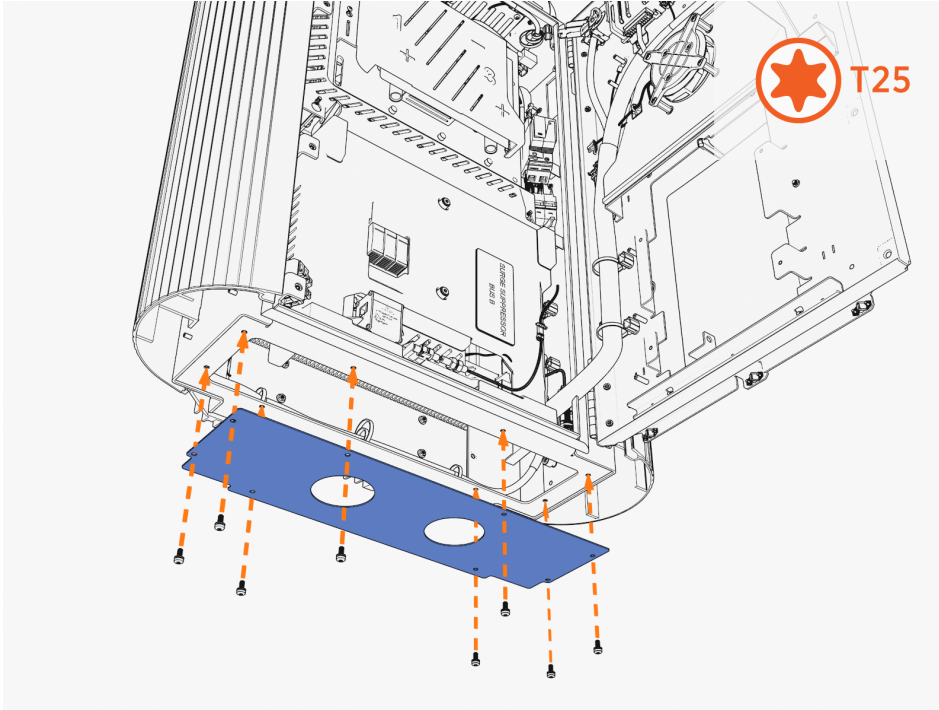


3. Use a hydraulic hole punch to create openings in the gland plate for this wiring:

- a. DC input conduits
  - i. Check if the site plans require one or two DC conduits.
  - ii. Use the gland plate pilot holes as a guide.
  - iii. Punch out one or two DC opening(s).
- b. 48 V DC and Ethernet conduits
  - i. Check if the site plans require one, two, or three conduits.
  - ii. Punch out the correct number of 48 V DC and Ethernet opening(s).



4. Reinstall the gland plate.

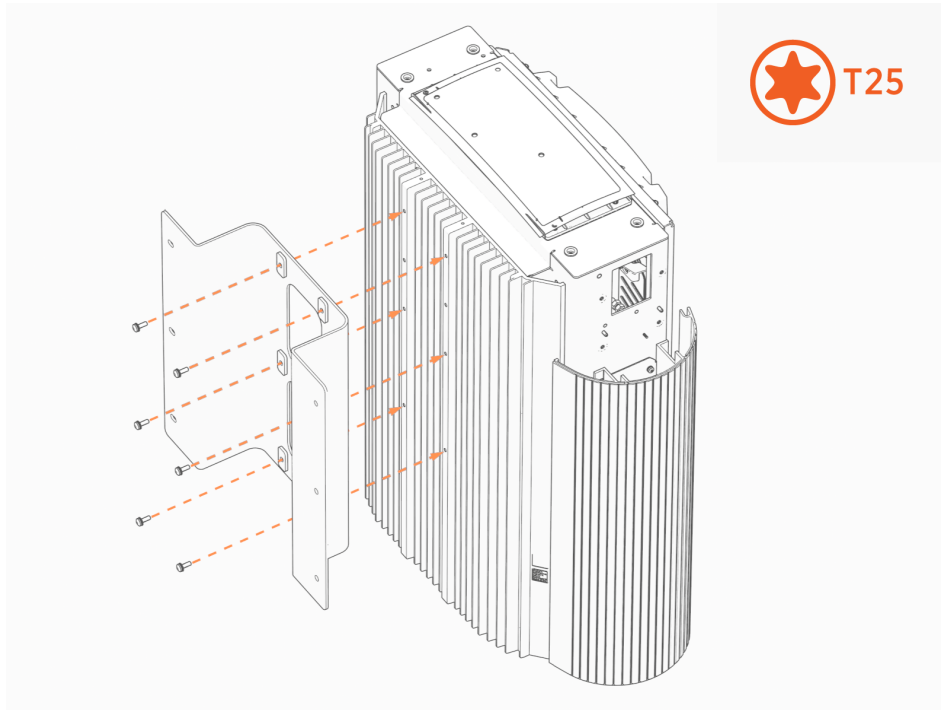


## Mount

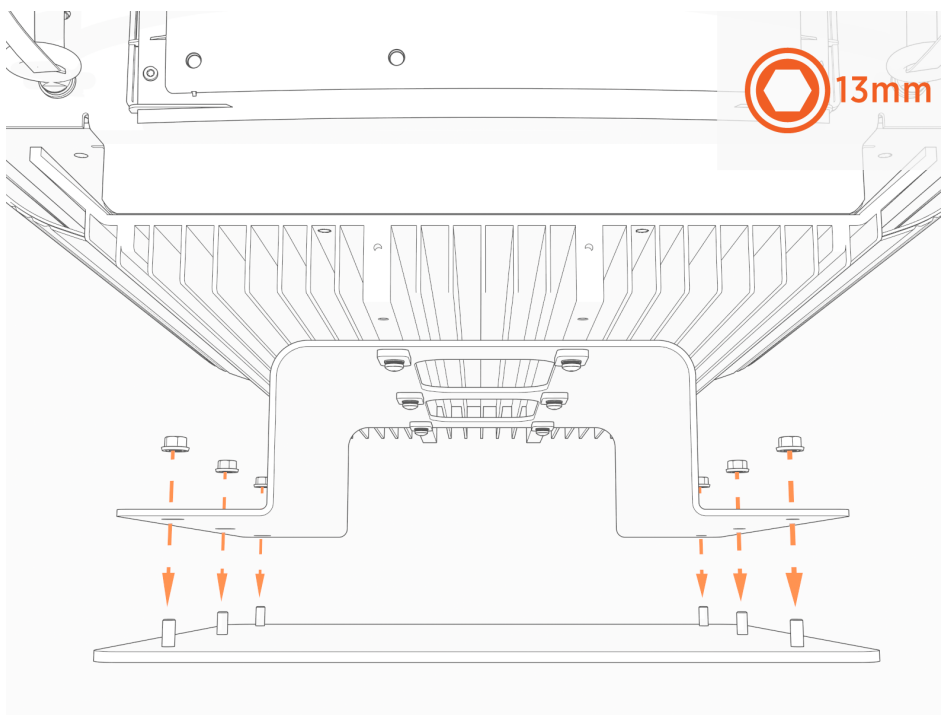
To install the mount, complete the following steps:

1. Disengage windstops and close the door. Install screws into the door.
2. Move the wiring out of the way.

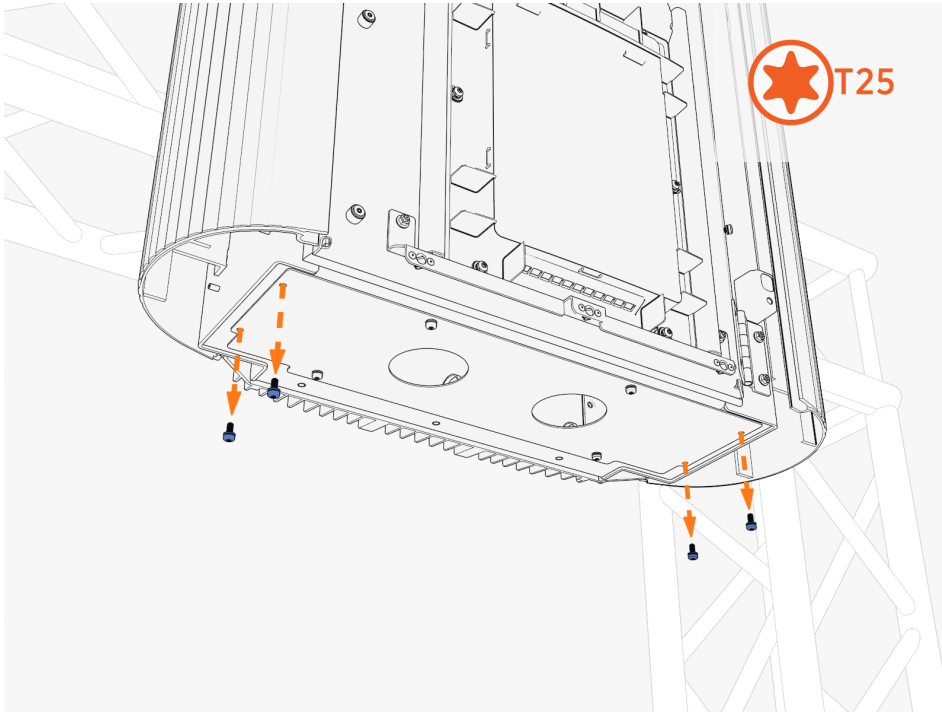
3. Install the wall mount bracket onto the back of the Power Link 1000.



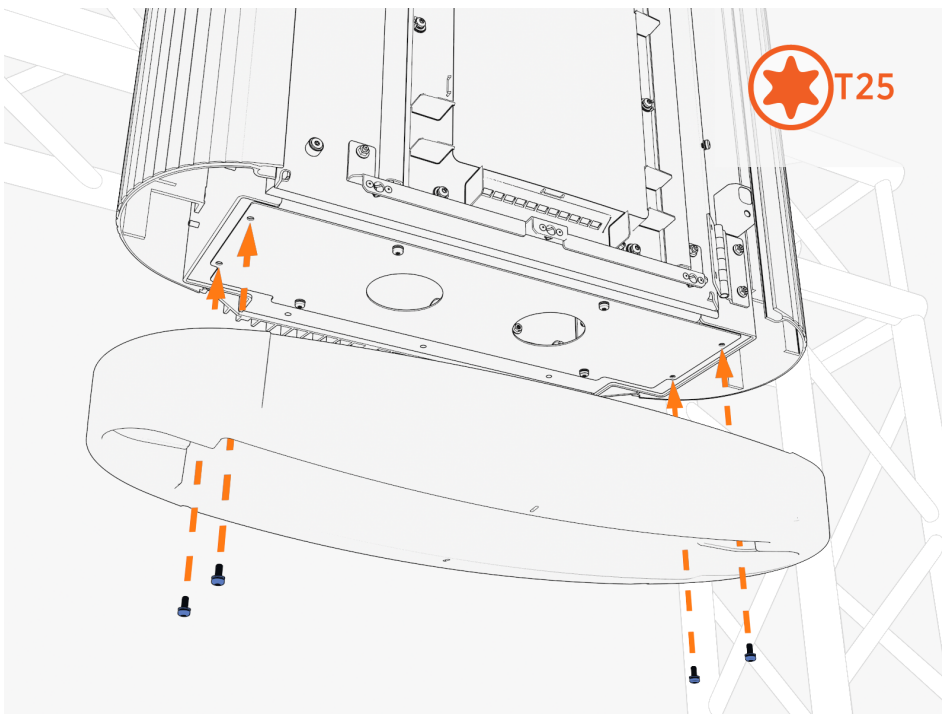
4. Attach the wall mount plate onto the bracket. Install fasteners called for by the site plans. Torque to the specification indicated in the site plans. Mount as preferred.  
**NOTE:** Contractor provides fasteners. Site plans must specify fasteners appropriate for and rated to secure the weight to the material.



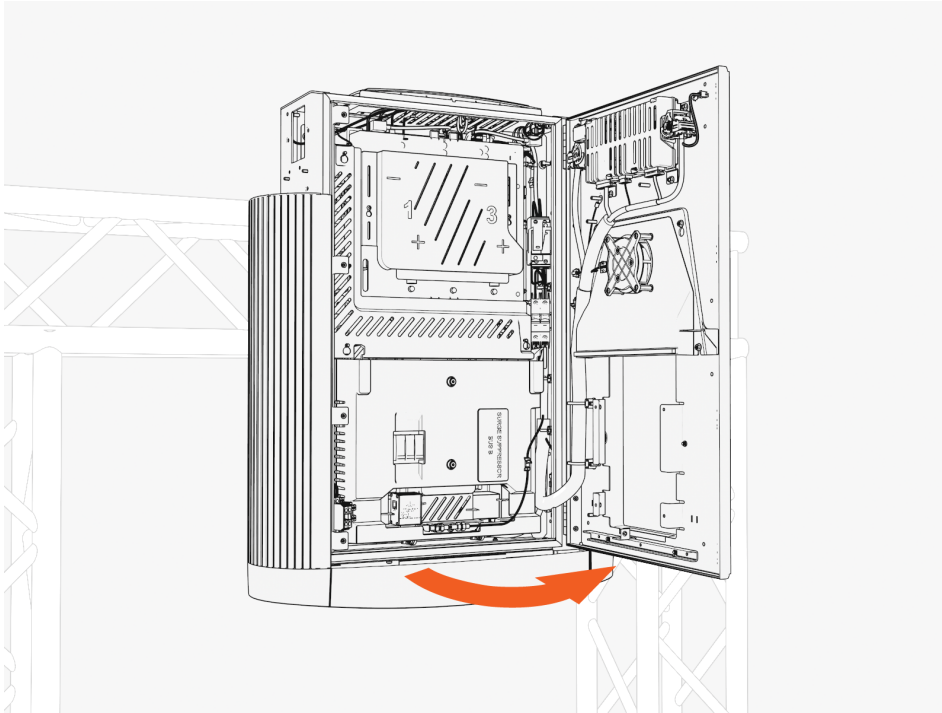
5. Remove the four outer screws from the gland plate (if previously reinstalled).



6. Use those screws to install the bottom cap.

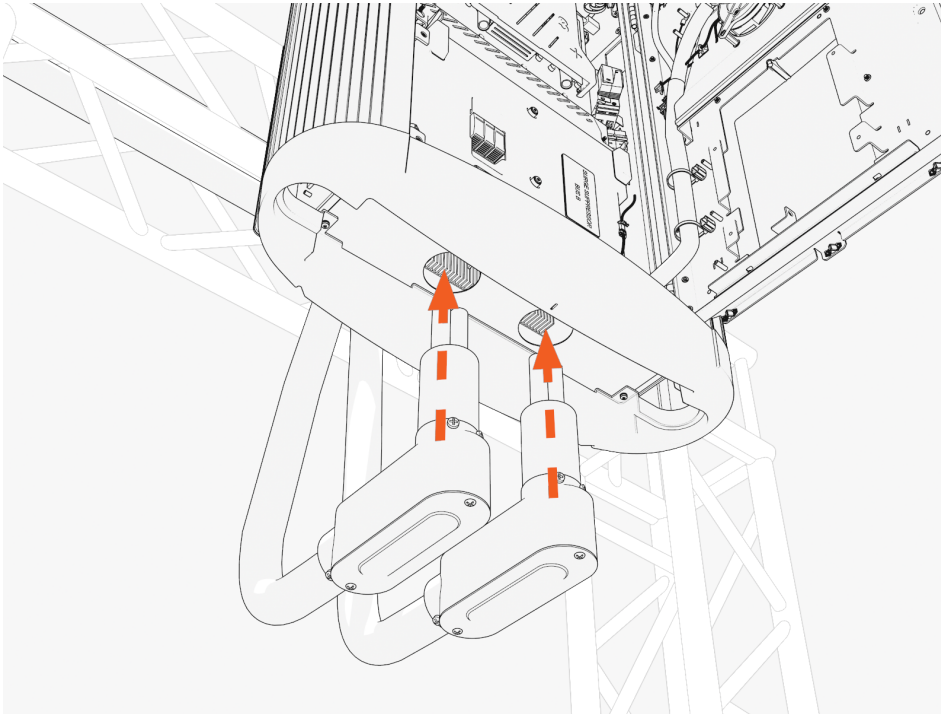


7. Disengage windstops and close the door. Install screws into the door.
8. Reopen the door.

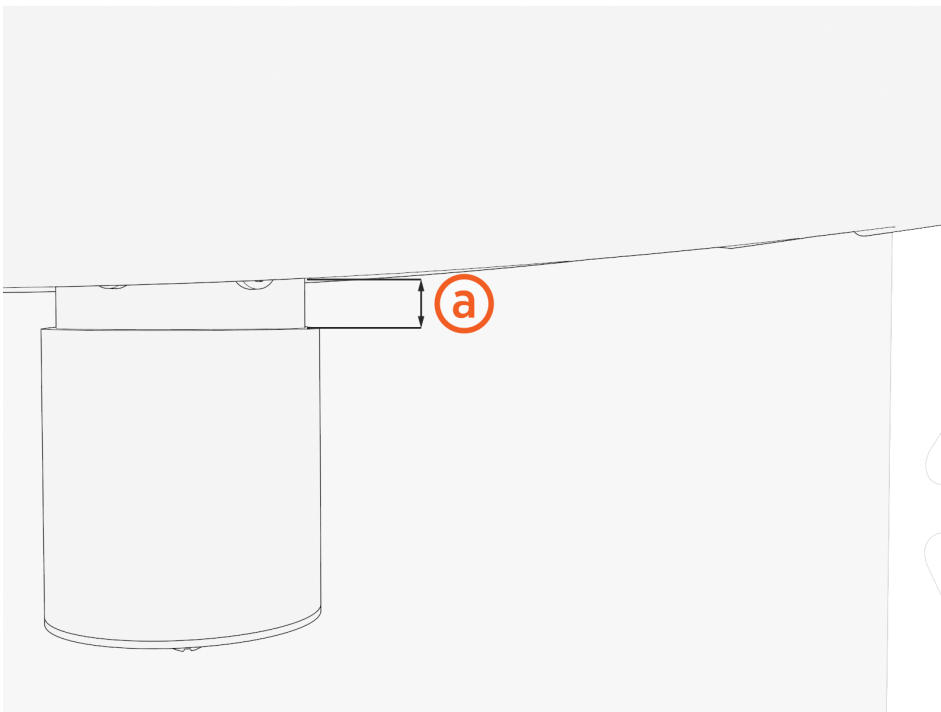




9. Route the wiring through the bottom.



**NOTE:** Ensure that there is (a) 12 mm (1/2 in) clearance between the bottom cap and the conduit.



## Connect the Wiring

To connect the wiring, complete the following steps:

**DANGER: RISK OF SHOCK**



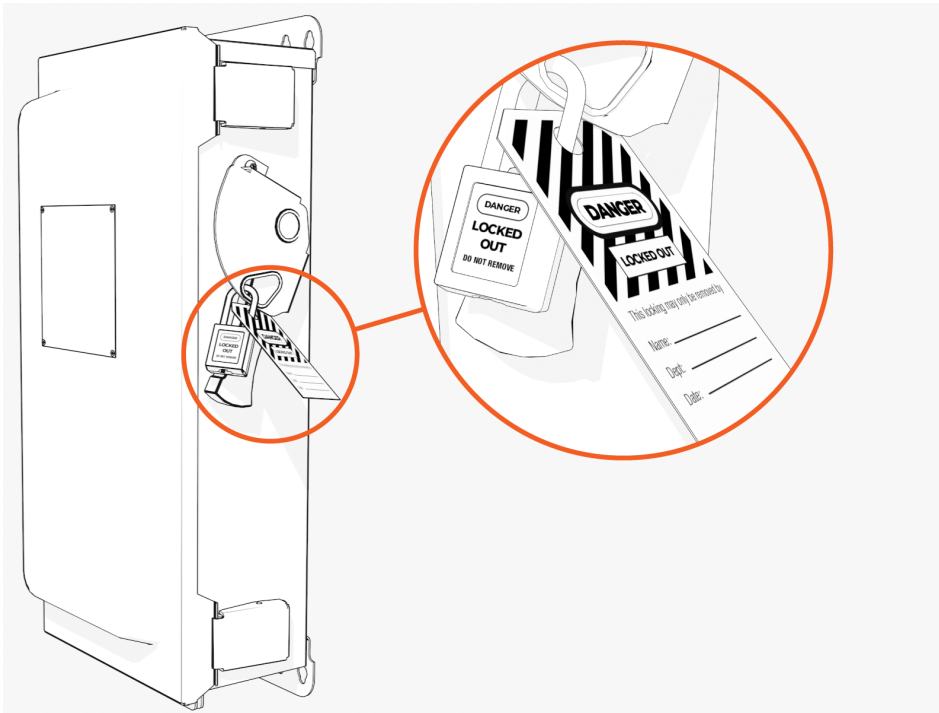
- Before any procedure, disconnect the power.
- Follow local code and site lockout/tagout procedure to de-energize the station.
- Wait for energy to dissipate (approximately five minutes).
- Keep power off until all covers and panels are reinstalled and the work is complete.

FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN SERIOUS INJURY, LOSS OF LIFE, OR PROPERTY DAMAGE.

1. Disconnect power at the site electrical panel.



**NOTE:** Follow standard practice and local code to de-energize the applicable circuit and lock out/tag out the disconnect before proceeding.



2. Use a multimeter to test that the unit is de-energized.

## Access the bus bars

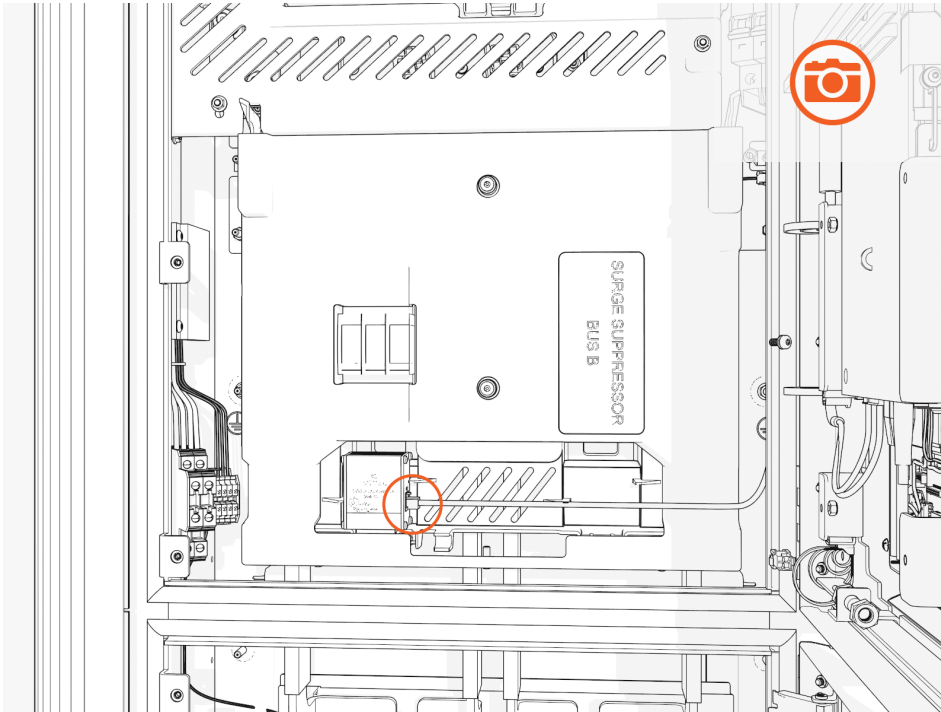
To access the bus bars, complete the following steps:



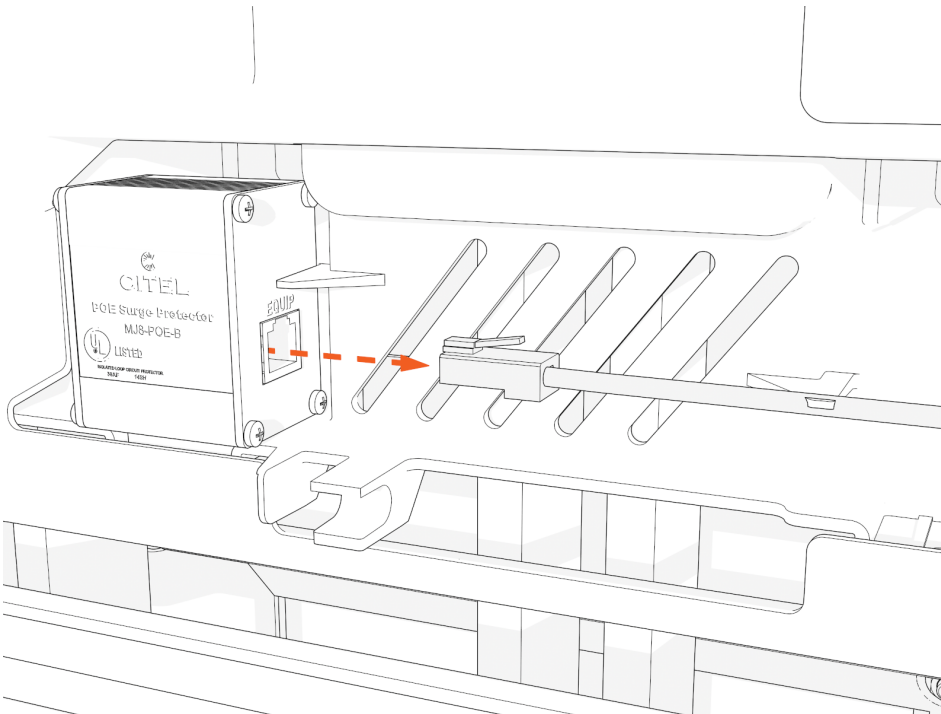


**IMPORTANT:** The upper and lower bus bar plates look similar. Both sets are inscribed (A-, A+ [single] or A-, A+, B-, B+ [dual]) and have lug nuts preinstalled.

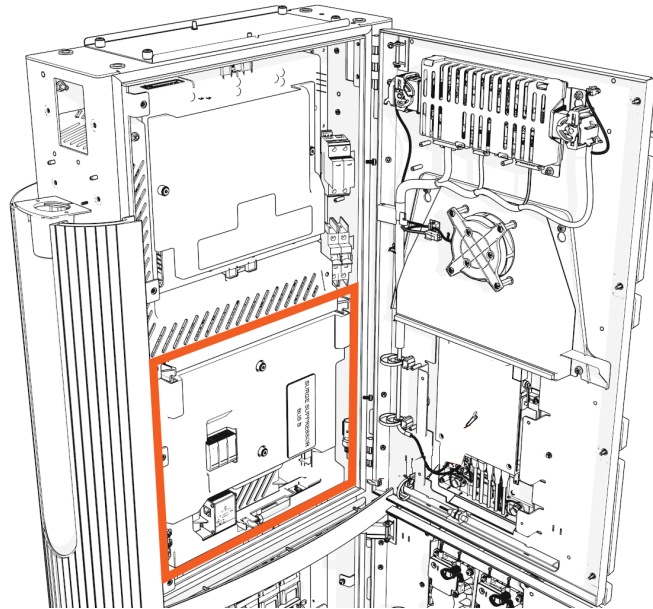
1. Disconnect the Ethernet cable from the Ethernet surge suppressor.



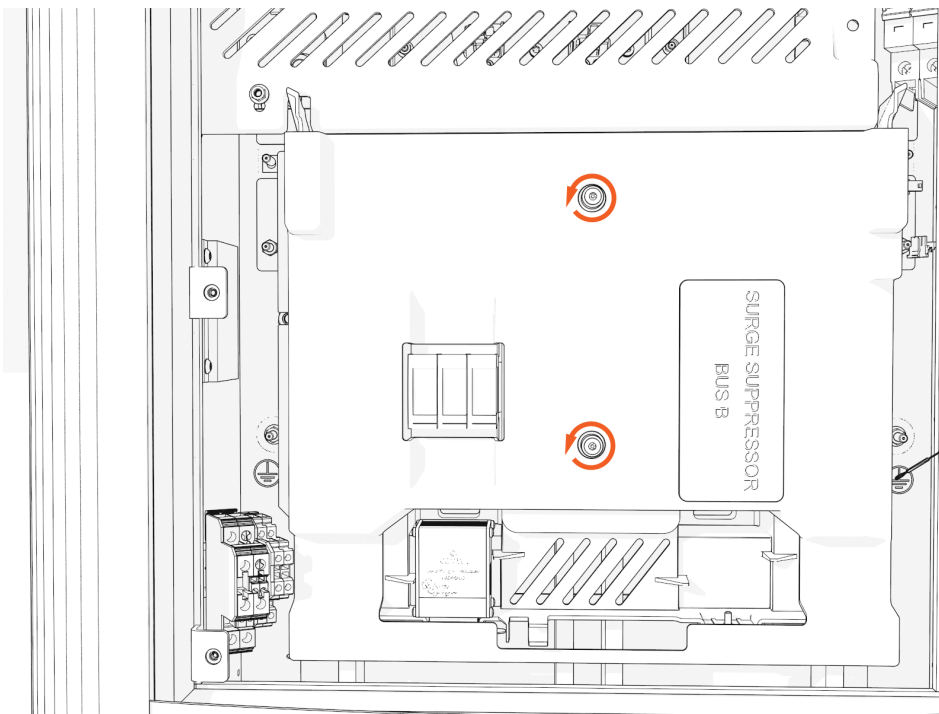
**NOTE:** Take a photo or note to identify which port later.



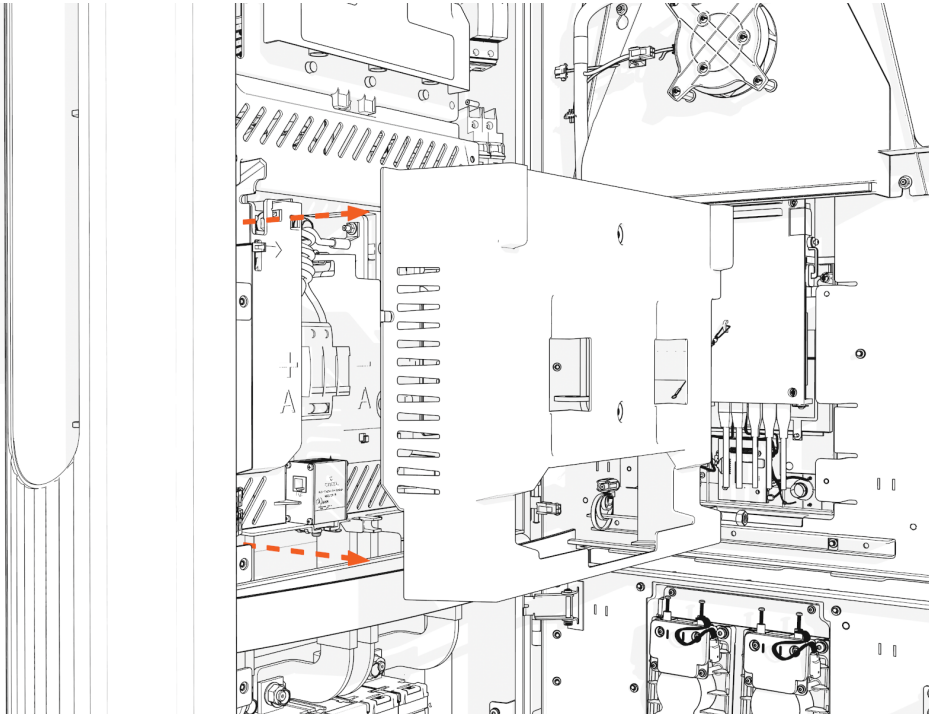
2. Access the upper bus bars.



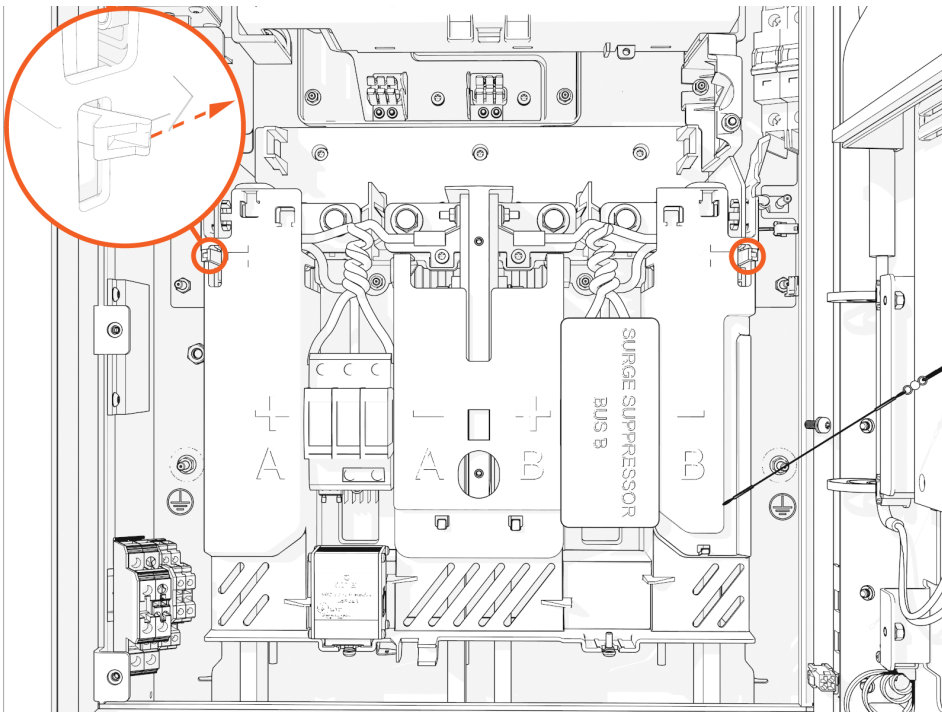
3. On the power plate cover, loosen the captive screws.



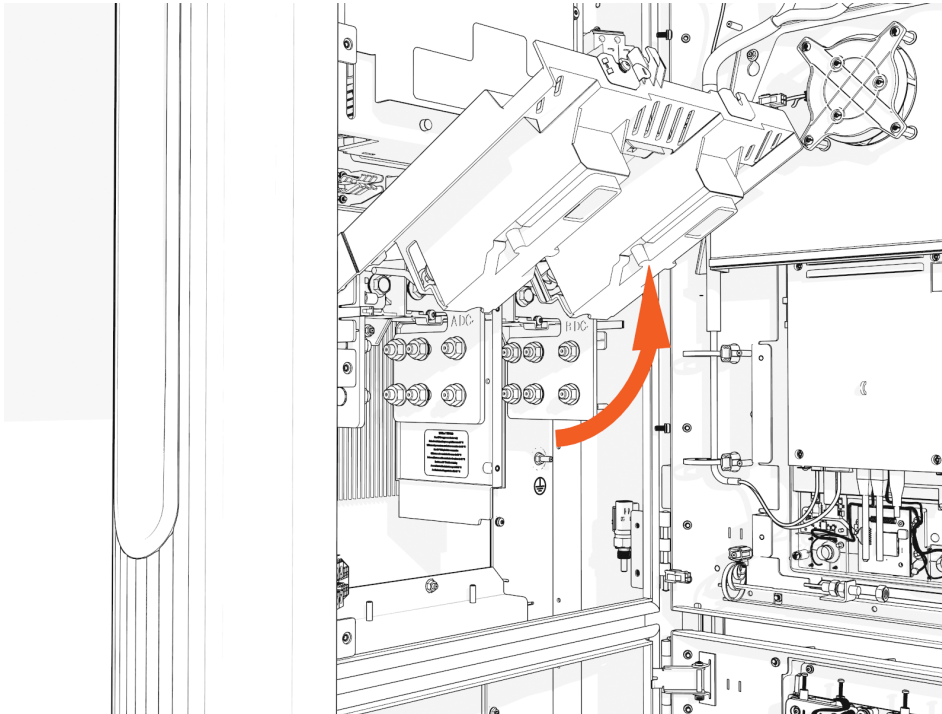
4. Remove the cover.



5. Release the tabs on the upper safety cover.



6. Lift up from the bottom until it locks in the open position.



## Install DC Conductors and Lugs, and Ground Wire

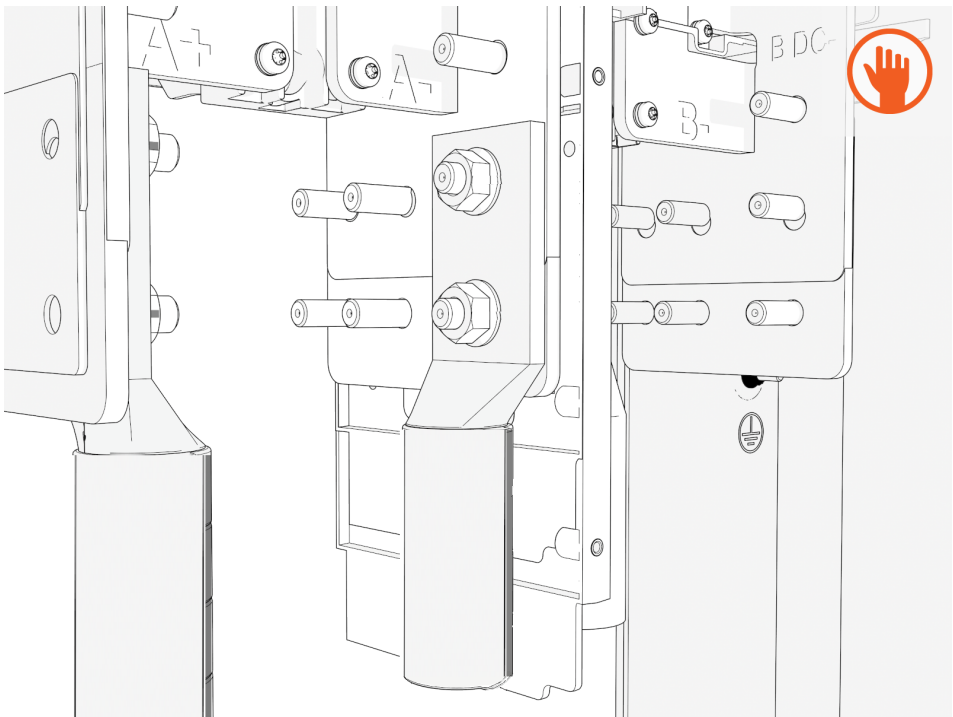
To install the DC conductors and lugs, and ground wire, complete the following steps:

1. Ensure you have de-energized the applicable circuit and locked out/tagged out the disconnect according to standard practice and local code before proceeding.
2. Use a multimeter to test that power is off.
3. Route all conductors into the correct area within the cabinet.

# Measure and Cut

1. Loosely install lugs only (without the conductors) onto bus bars. Hand-tighten.

**NOTE:** Use included bolts, washers, and nuts

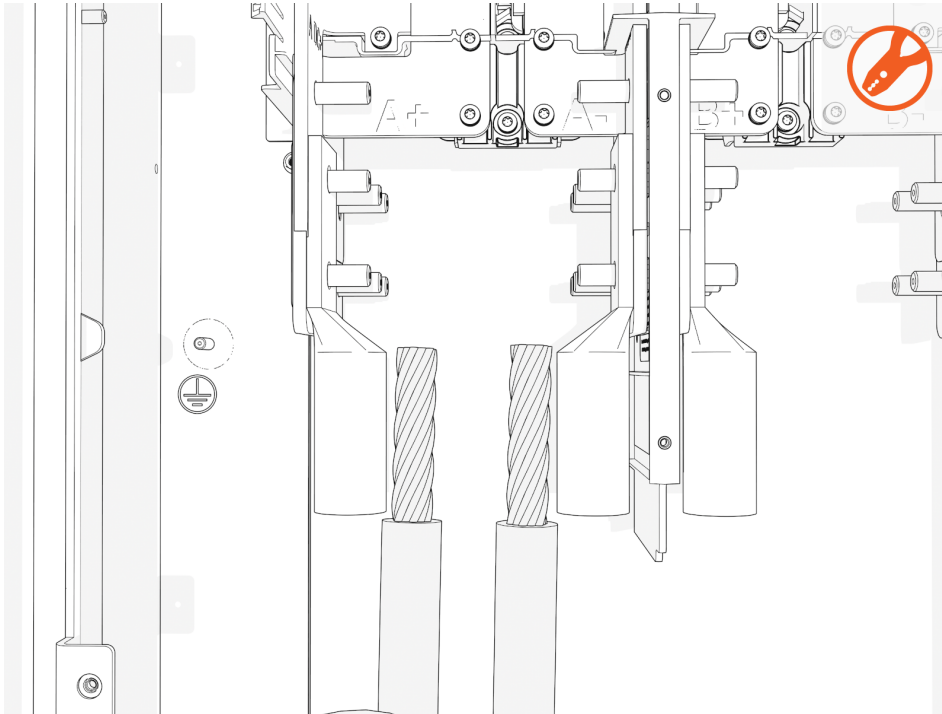


2. Measure the length from each conductor to its corresponding lug.  
Mark each conductor at the point where you will need to trim it.

**NOTE:** DC bus bars are marked in order from left to right:

Single Input		Dual Input			
A+	A-	A+	A-	B+	B-

3. Strip and cut the conductors to the desired length.



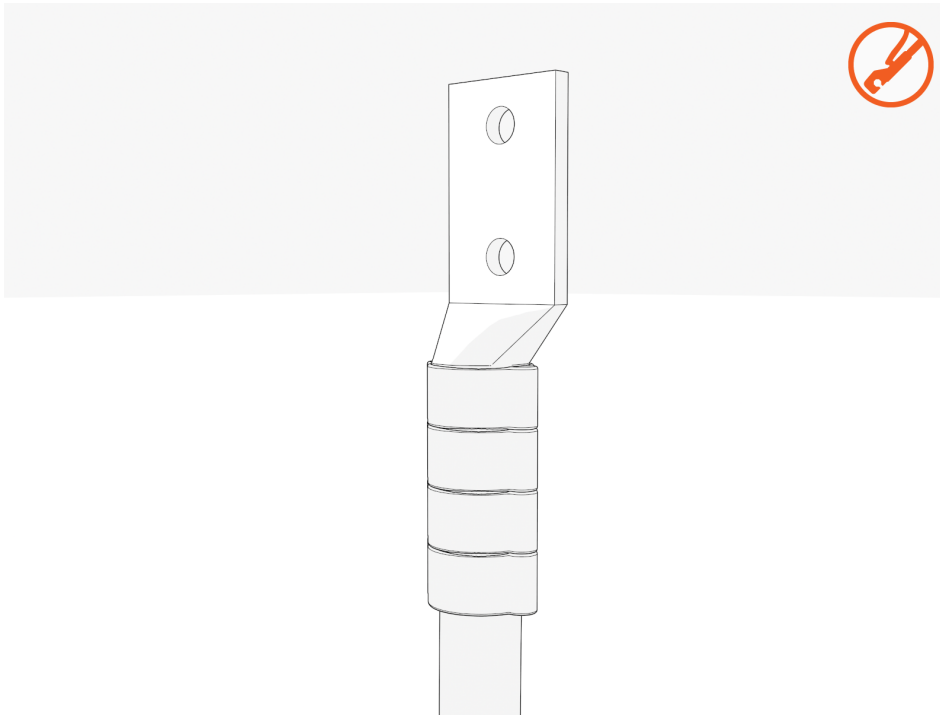
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## DC Lugs

1. Uninstall the lugs. Crimp a lug onto each conductor.



**IMPORTANT:** Use compression lugs with the specifications . Use the lug manufacturer's tool and die. If required, heatshrink or tape the crimp area to meet local code.

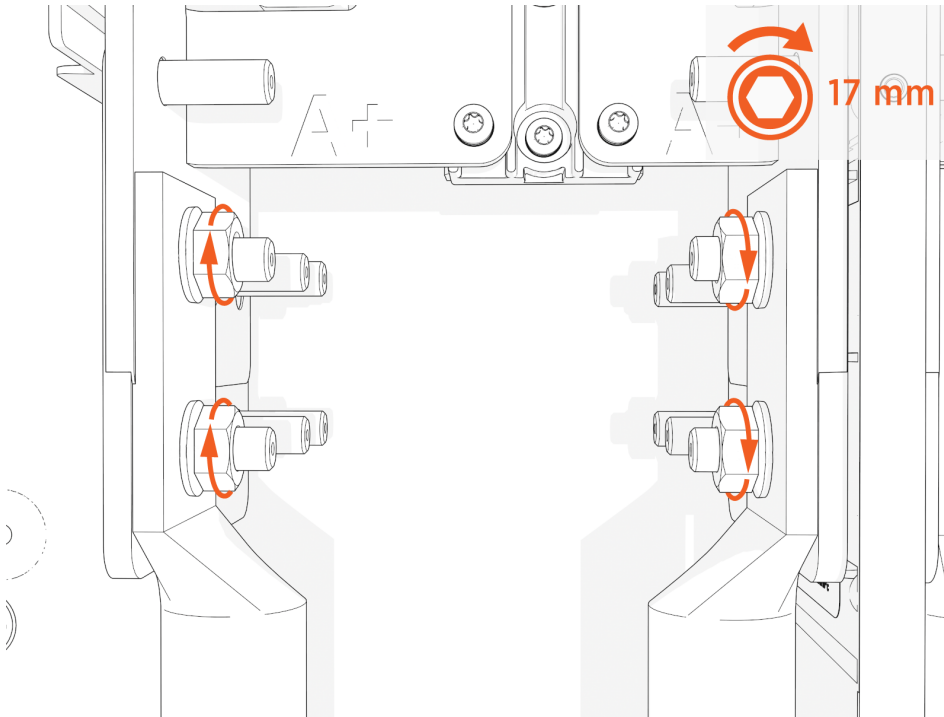




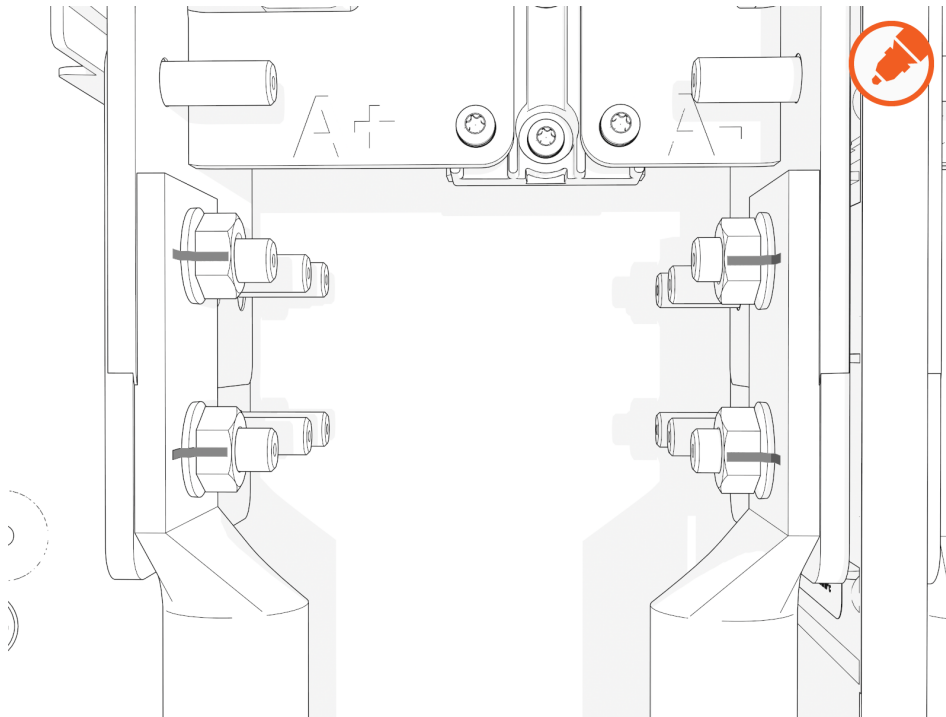
2. Land the DC lugs on the terminals. Torque nuts to **19 Nm (168 in-lb)**.

**NOTE:** Fasteners are pretreated with dielectric grease.

**⚠ CAUTION:** If using 500 kcmil conductors, you must use the back set of lugs to avoid interference with the surge suppressor panel.

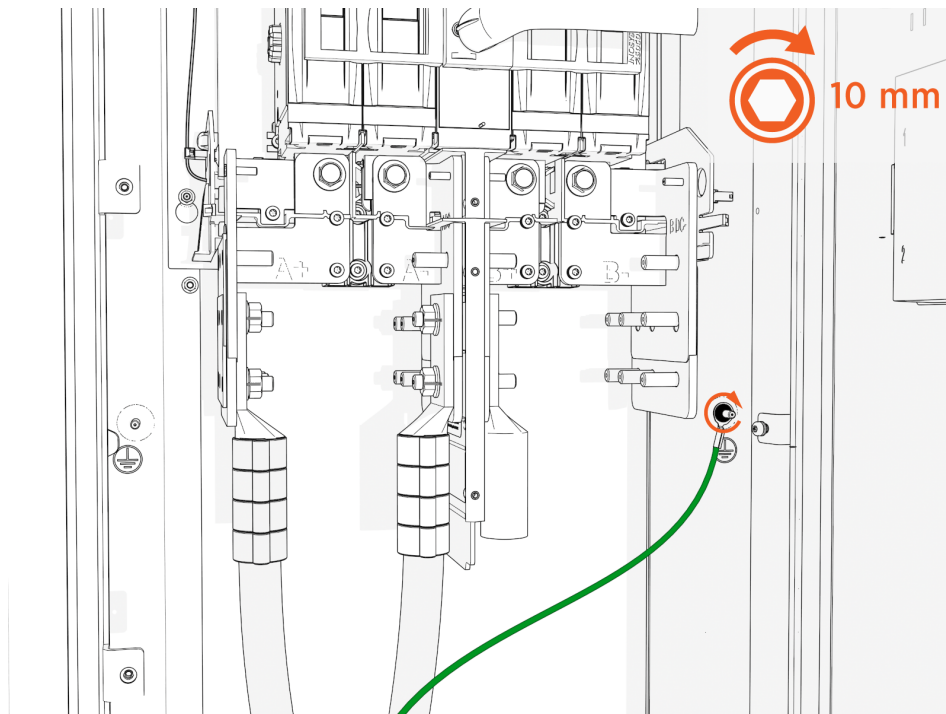


3. Mark all torqued power connections.

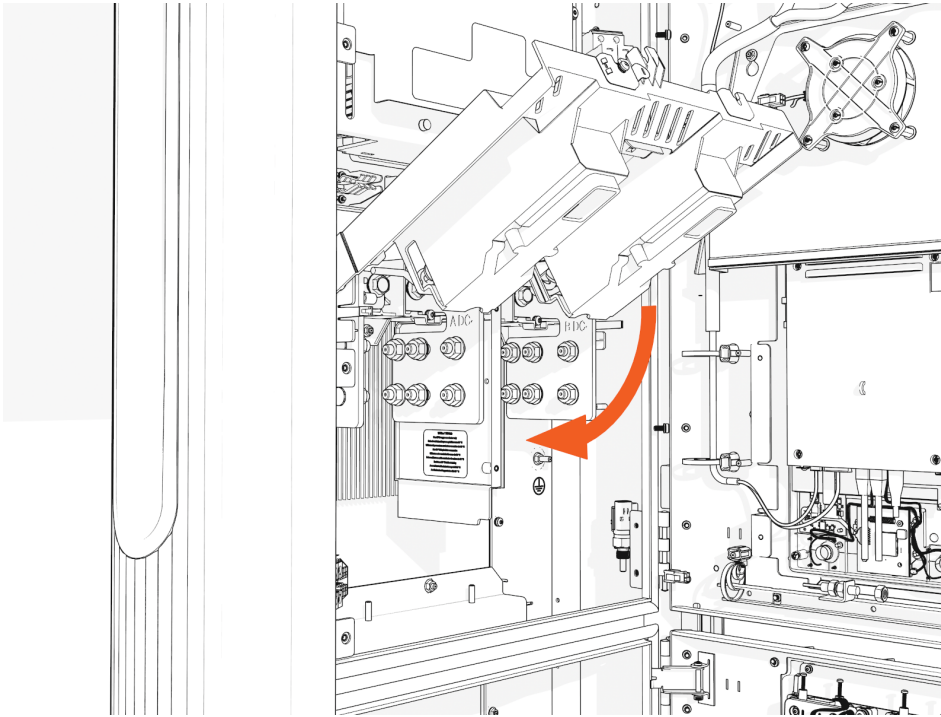


## DC Ground Wire

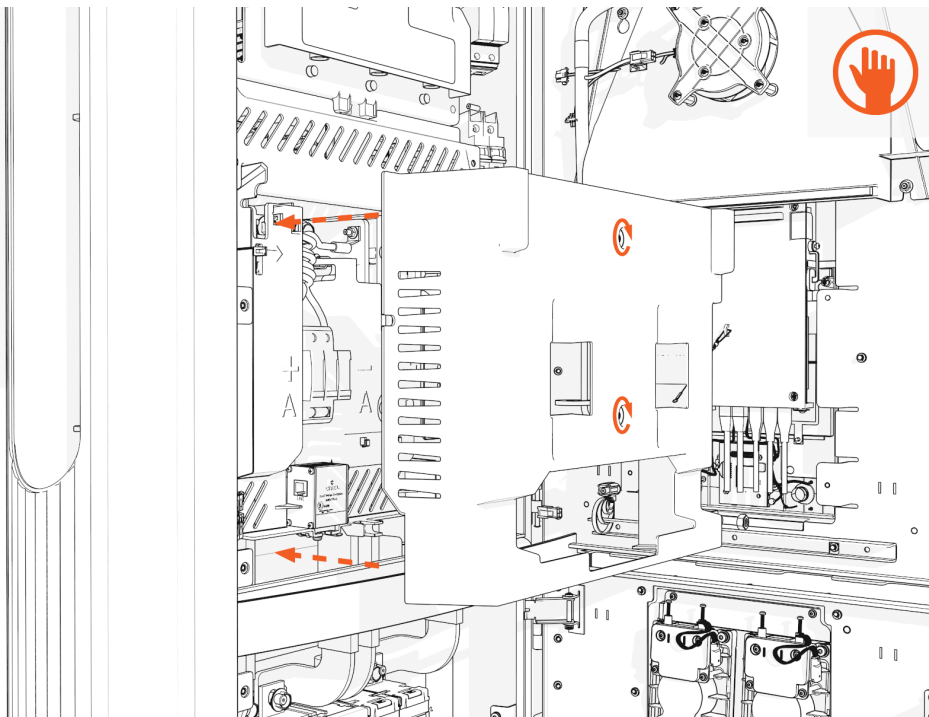
1. Land the ground wire onto a ground stud. Torque to **7 Nm (60 in-lb)**.



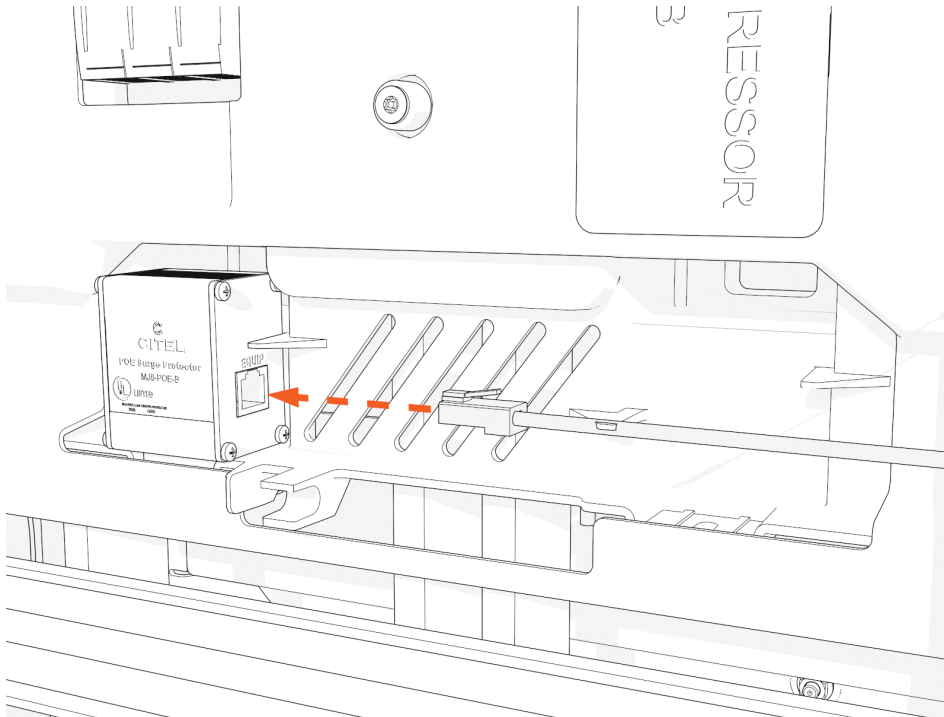
2. If you are installing the "Overhead" Mounted configuration:  
Tilt down the upper safety cover to close.



3. Position the power plate cover. Hand tighten the captive screws.



4. Reconnect Ethernet cable(s) to Ethernet surge suppressor into the same ports as before.

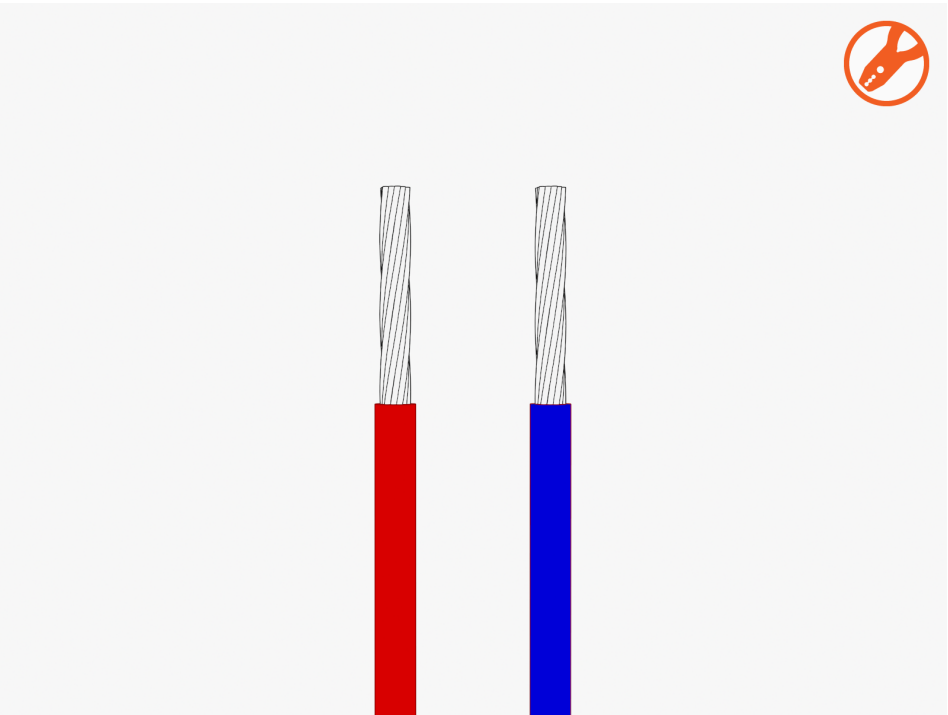


# 48 V DC Wiring

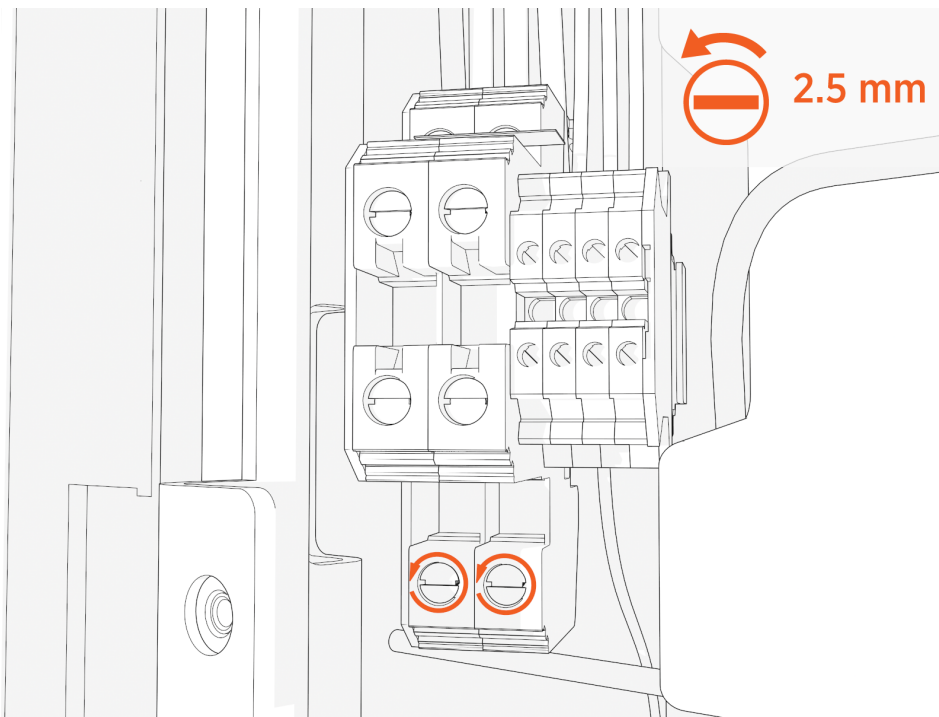
1. Check the 48 V DC wiring requirements in the site drawings:

48 V DC Wire Size	Conduit Size	Installation
16 mm <sup>2</sup> (6 AWG)	21 mm (3/4 in)	Install two 48 V DC wires and one Ethernet cable into one conduit.
<b>NOTE:</b> Use only copper conductor wire rated for 90 °C (194 °F).		

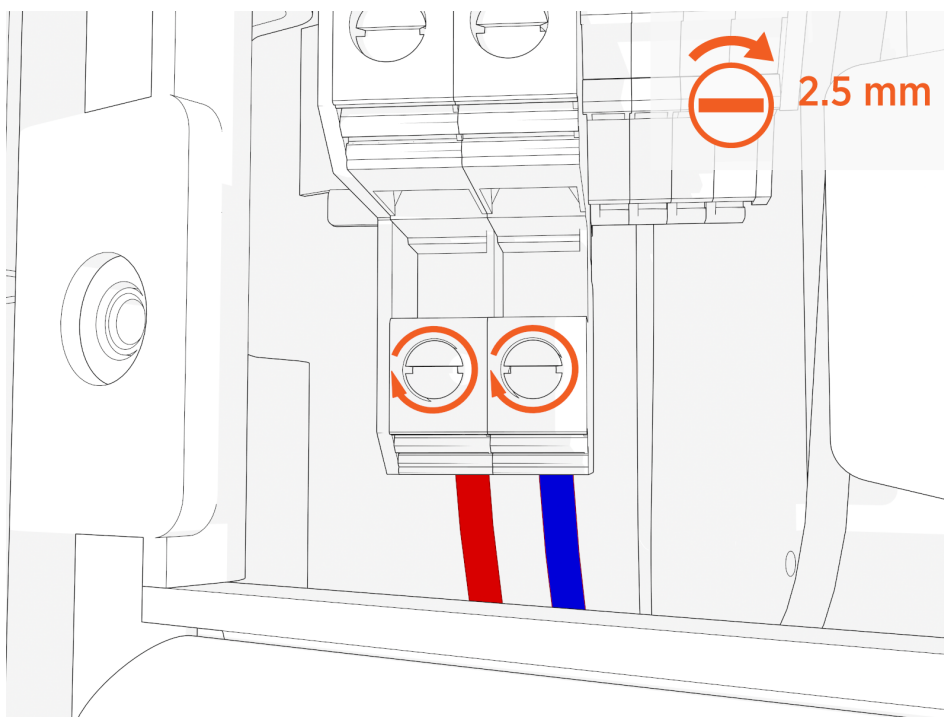
2. Strip the 48 V DC wires.



3. Loosen each terminal tab (upper cabinet, left side).



4. Seat the 48 V DC wires. Push-pull to test.

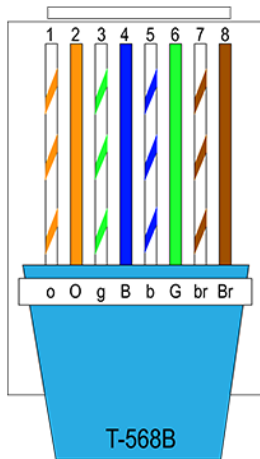


## Close the Panel, Lift Back of Hinge

To close the panel and lift back of hinge, complete the following steps:

## Cat6 STP Ethernet Cable

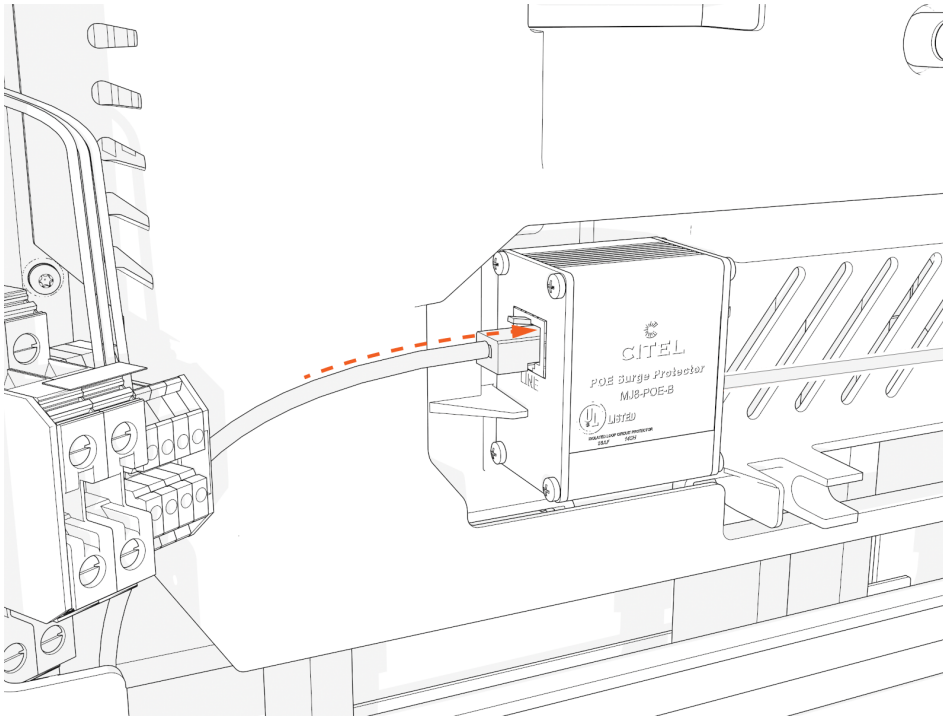
1. Trim the Cat6 STP Ethernet wires to length and allow for a service loop. Terminate both ends.
2. Field crimp a shielded connector onto each Cat6 STP Ethernet wire. Use a straight-through T568B pattern.



**IMPORTANT:** Do not connect the shield wire here at the Power Link 1000 termination.

3. Test each Ethernet wire for functionality.

4. Identify which blue surge suppressors already have cables in the line-out (right) positions. Connect the Ethernet connectors to those surge suppressors at the line-in (left) positions. Push-pull to test.



To install DC smart cable, see [Install DC Smart Cable](#).

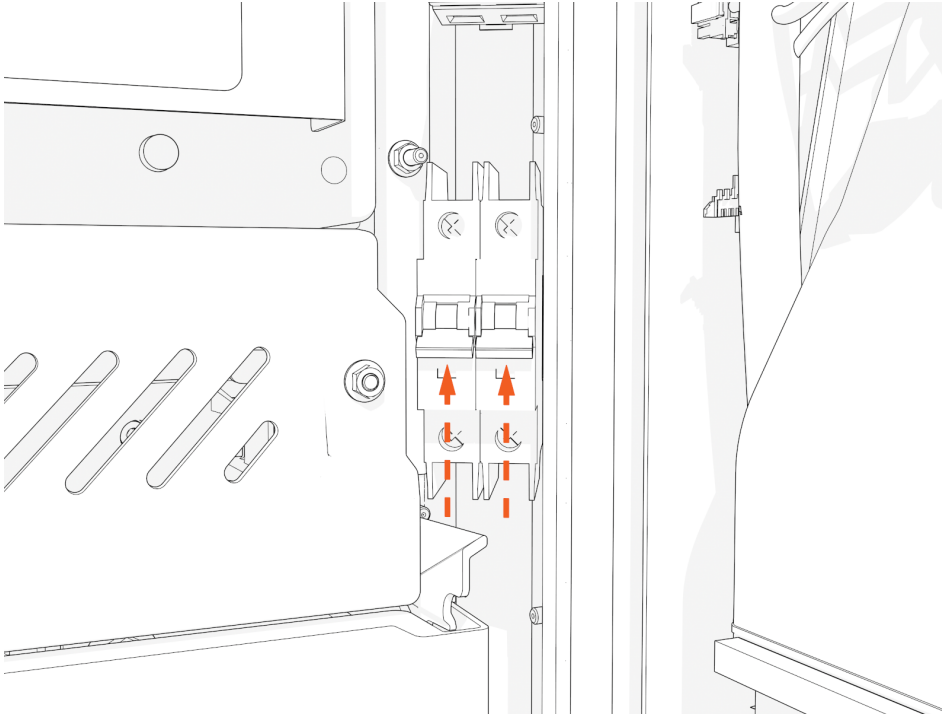
## Install Doors and Vinyl Signs

To install doors and vinyl signs, complete the following steps:

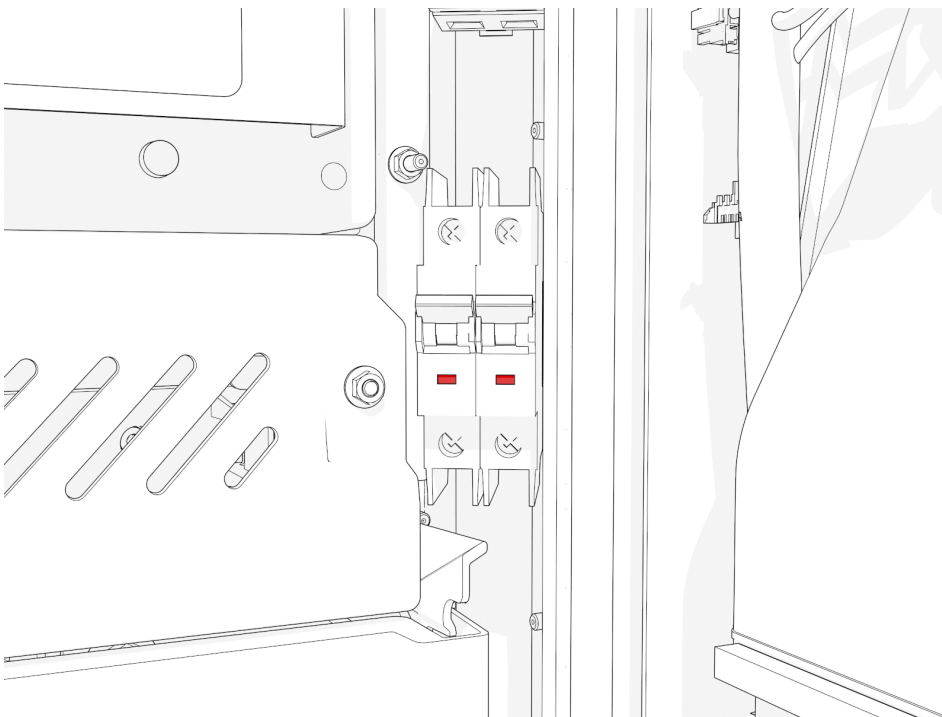


## Power On 48 V

1. Locate the 48 V DC breaker.



2. Flip up the switch to ON. The indicator light should turn red.



## Install Door

1. Disengage wind stops and close the door.
2. Torque screws on the door to **4.5 Nm (40 in-lb)**.
3. On the right side of the door, insert the bottom of the door bracket. Tilt in the top of the door bracket. Push down into position.
4. Torque screws on the door bracket to **1 Nm (10 in-lb)**.

## Install Vinyl Signs, Trim, and Top Cover

### Overhead



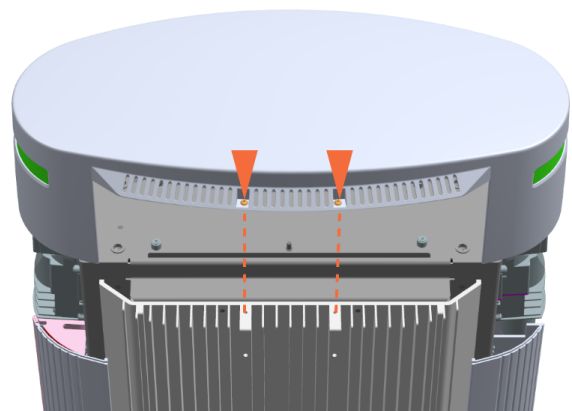
- a. Top cover
- b. CCOM trim (optional, not shown)
- c. Lower trim
- d. Vinyl sign
- e. Bottom cover

1. Position the bottom cover.
2. Reinstall screws. Torque to **2.8 Nm (25 in-lb)**.
3. Push in the lower trim until it engages with the center and side clips.
4. Simultaneously insert both sides of the vinyl sign. Lower the vinyl sign behind the lower trim.
5. Align the screws (x4) (two at front and two at rear) and install the top cap.

### Front



### Rear



6. Torque the M5 screws (x2) at rear side to **2.8 Nm (25 in-lb)** and M4 screws (x2) at front side to **1.7 Nm (15 in-lb)** (use T25 security screwdriver).

## Continue to Charging Cable Instructions

Install the overhead CMK.

# Install Cable Management Kit 5

The Power Link 1000 can be installed with standard cable management kit (CMK), tall CMK, or overhead CMK for managing different length charging cables. Depending on the space or clearance available above the Power Link 1000, the standard and tall CMK may be installed at one of two height settings, a minimum or maximum height.

CMK Type	Compatible Charging Cable Length	Installation Height	
		Minimum	Maximum
Standard	Standard length (5.8 m or 19 ft)	2.21 m (7 ft 3 in)	2.41 m (7 ft 11 in)
Tall	Medium length (7.6 m or 25 ft)	2.41 m (7 ft 11 in)	3 m (10 ft)
Overhead		-	-

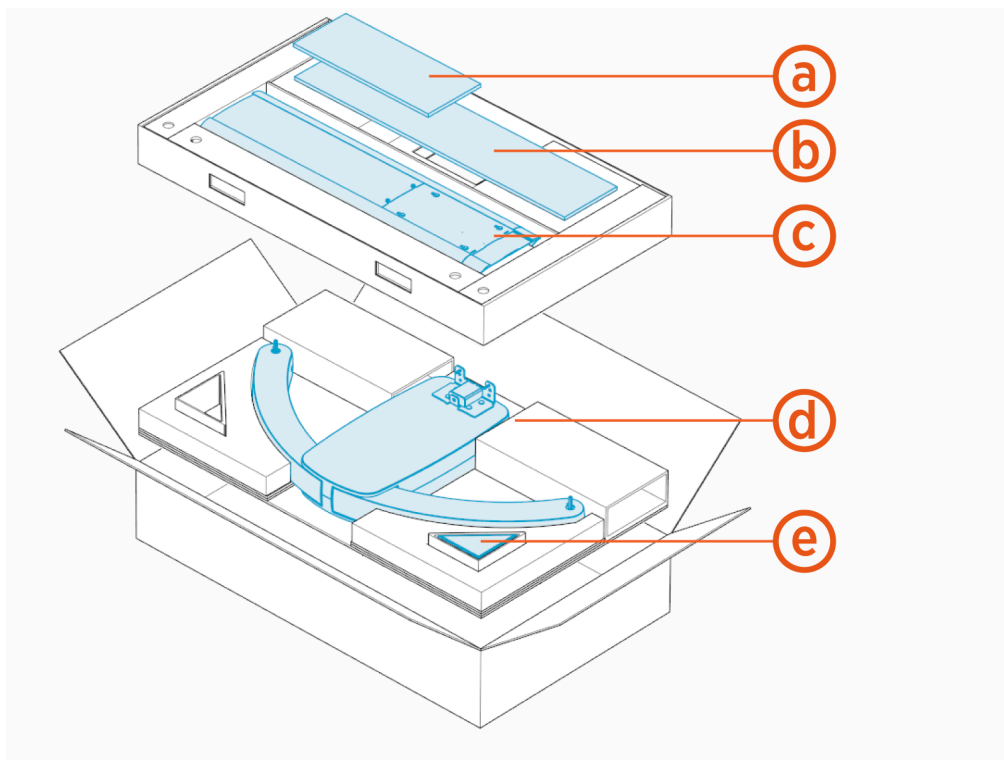
## Install Standard CMK

If the site plan calls for the Power Link 1000 to be configured with a standard CMK, follow procedures in this section to install the CMK.

### Kit Components

Check the standard CMK package for the following components:

**NOTE:** For any missing component, contact ChargePoint support.

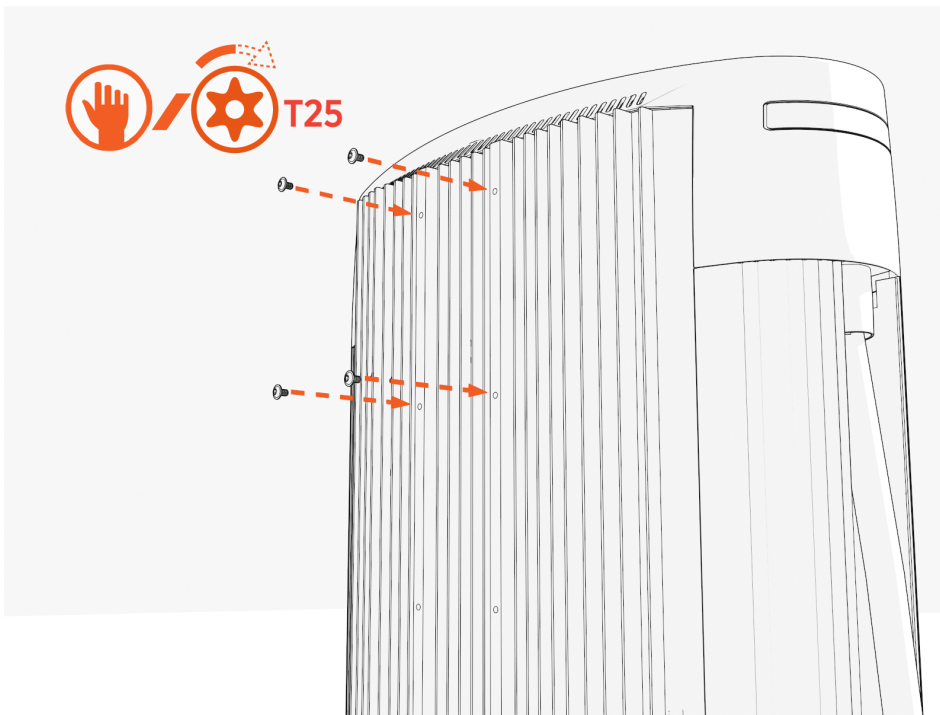


- (a) Front cover
- (b) Rear cover
- (c) Mast
- (d) Single or dual swingarm assembly
- (e) M6 Torx screws (x5)

## Install Mast

To install the mast, perform the following steps:

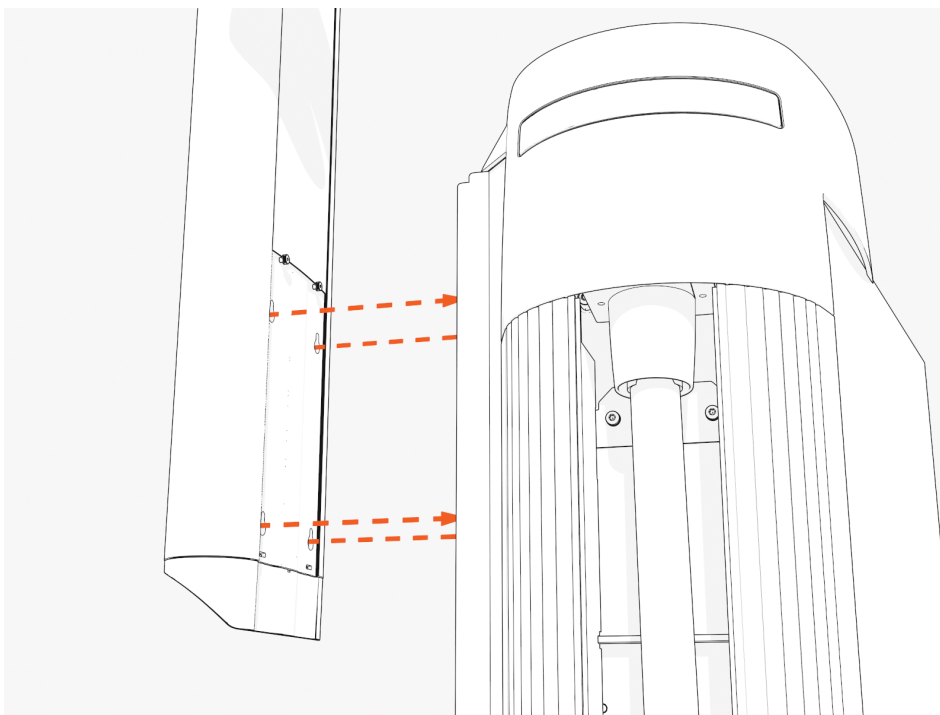
1. Partially install screws into four upper holes on the rear exterior of Power Link 1000.



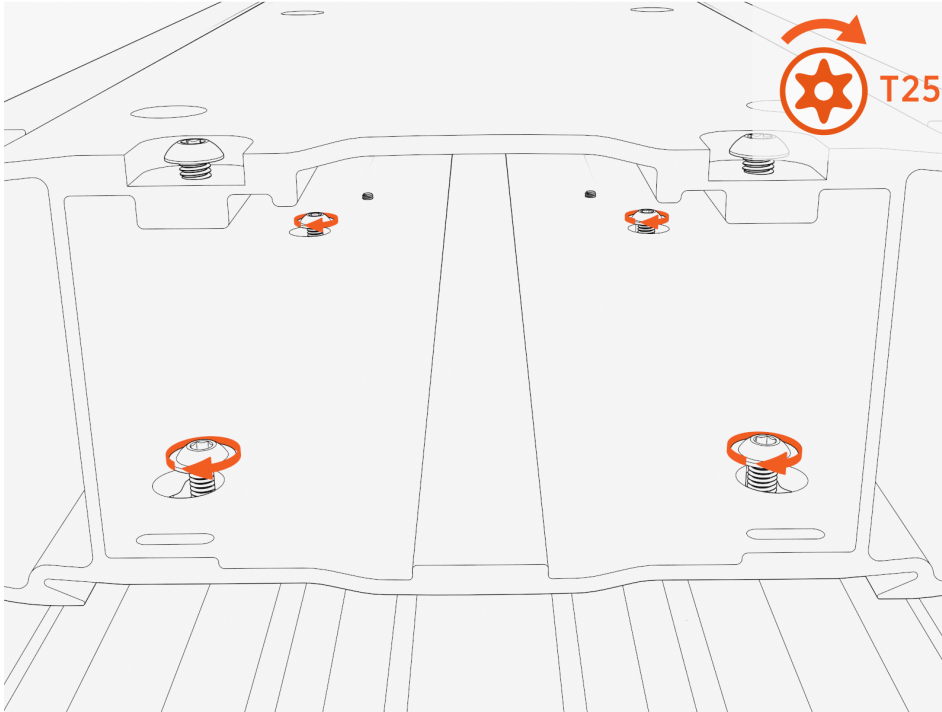
2. Hang the mast using the middle and lower keyholes.

Final install height of the CMK should be 2413 mm (7 ft 11 in).

**NOTE:** The CMK can be lowered 203 mm (8 in) by using the upper and middle keyholes to allow for installations with low overhead clearance.



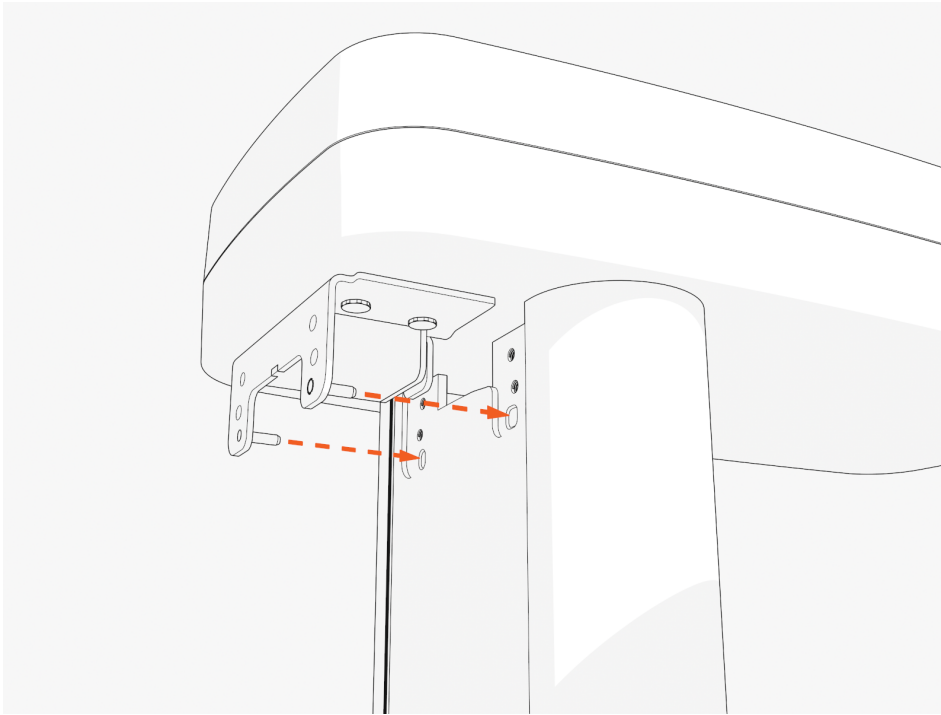
- 
3. Torque screws (x4) to **5.6 Nm (50 in-lb)**.



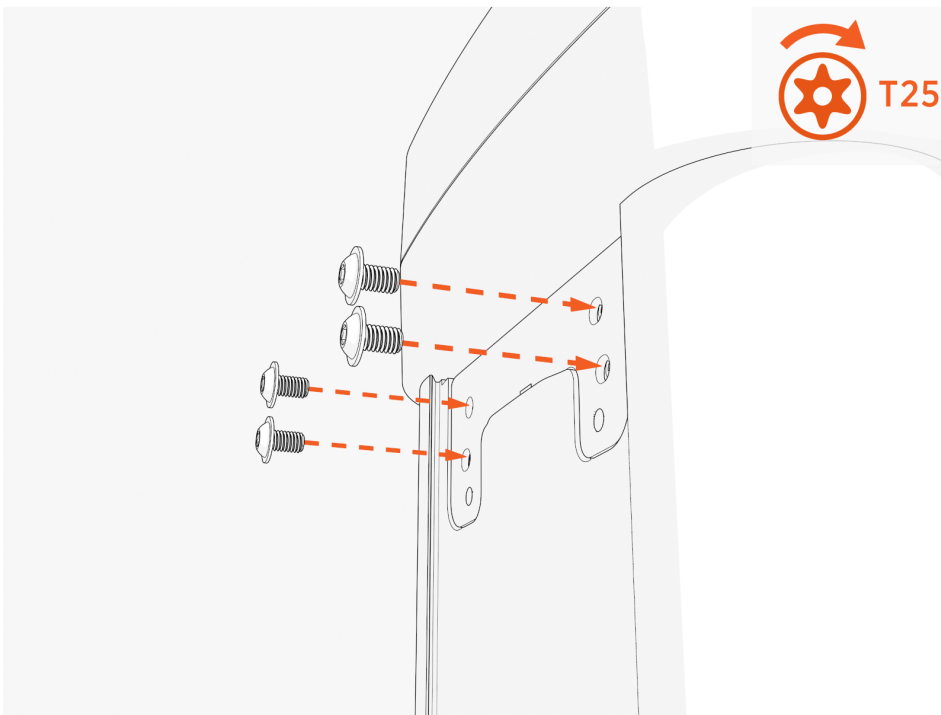
## Install Swingarm Assembly

To install the swingarm, perform the following steps:

1. Insert two alignment pins into the bottom center of the swingarm attachment. Position the pins into the top of the mast.



2. Torque screws (x4 at rear and x1 at front) to **5.6 Nm (50 in-lb)**.



3. Install tetherball.
4. Suspend charging cable.



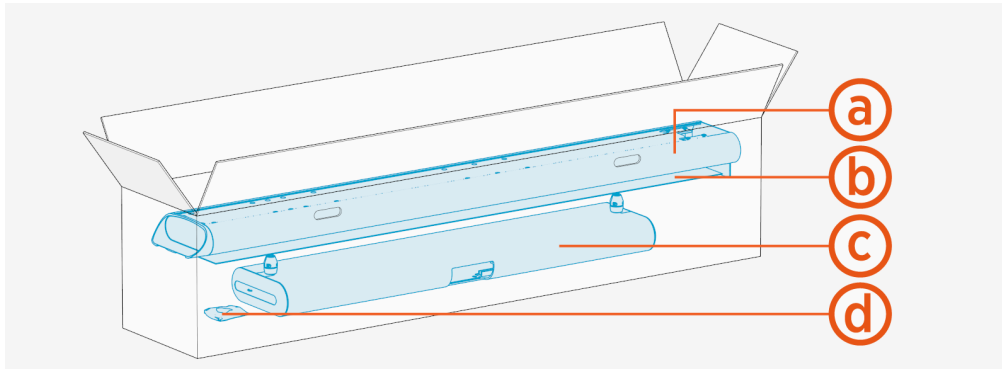
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5. Install CMK covers.

## Install Tall CMK

If the site plan calls for the Power Link 1000 to be configured with a tall CMK, follow procedures in this section to install the CMK.

### Kit Components

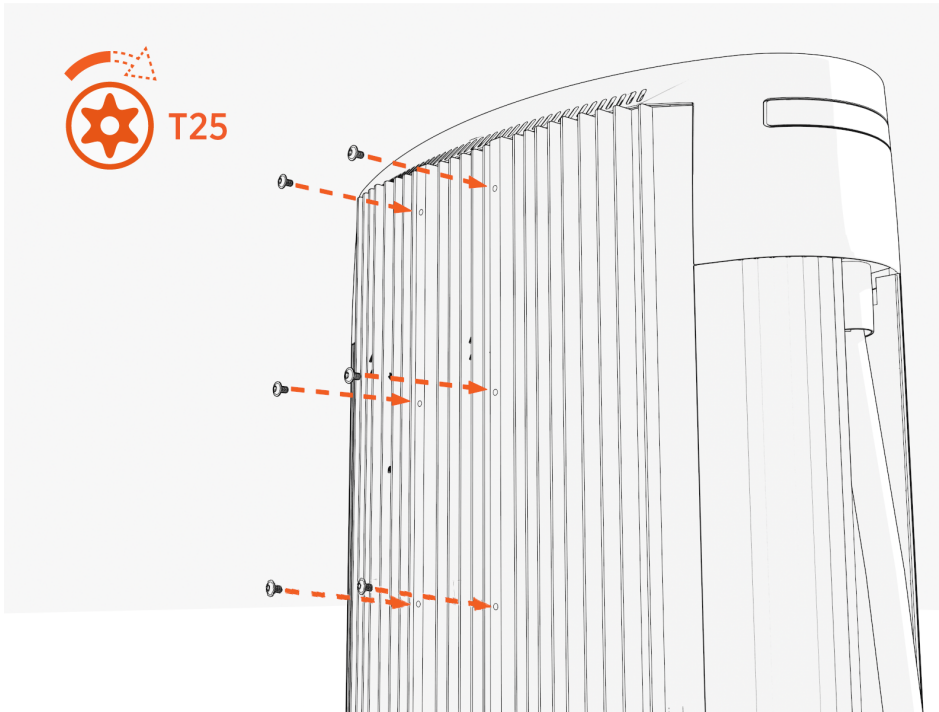


- (a)** M6 Torx screws (x8) and M10 hex screws (x4)
- (b)** Single or dual tall CMK assembly
- (c)** Front and rear covers
- (d)** Mast

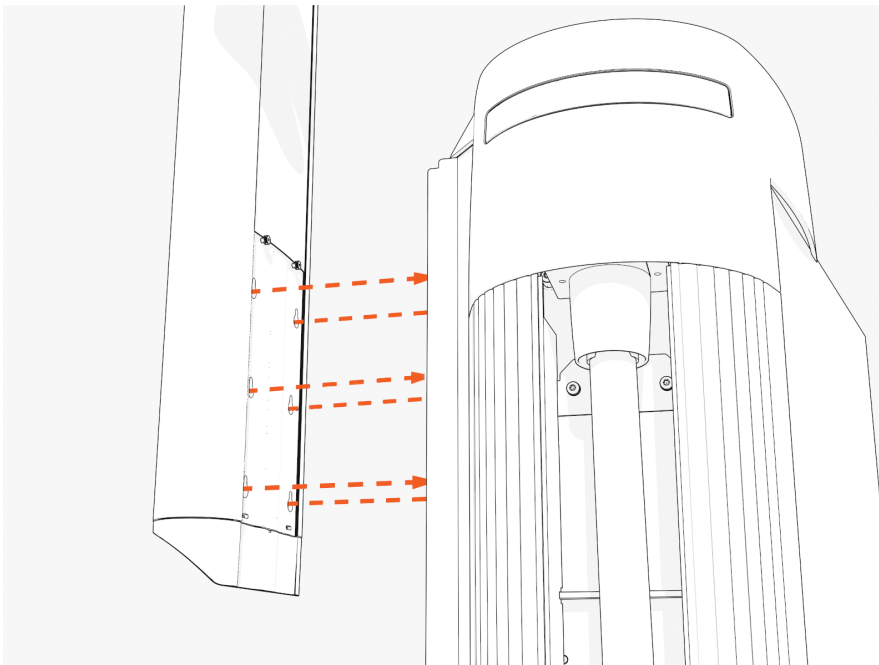
### Install Mast

To install the mast, perform the following steps:

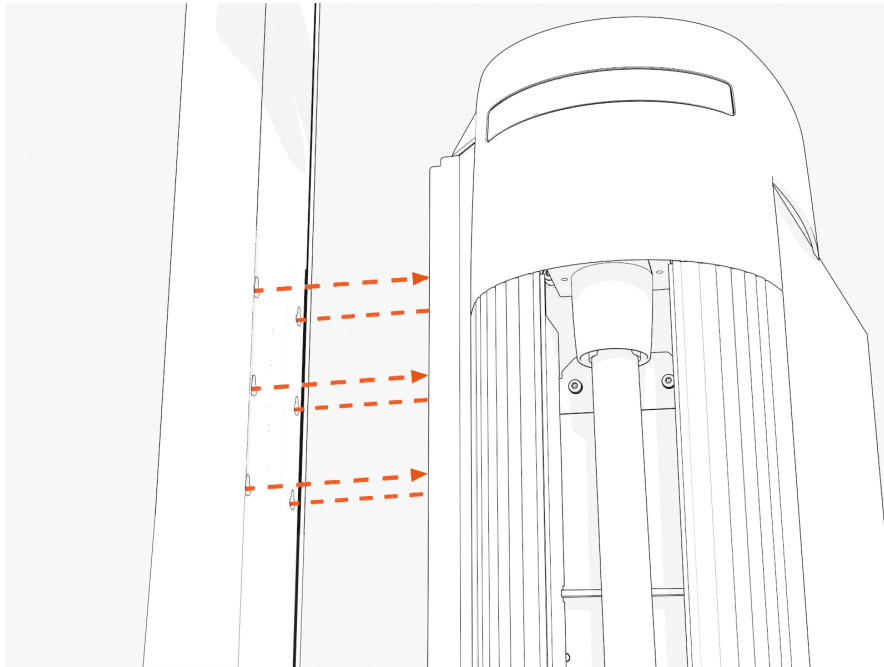
1. Partially install screws (x6) onto the back side of Power Link 1000.



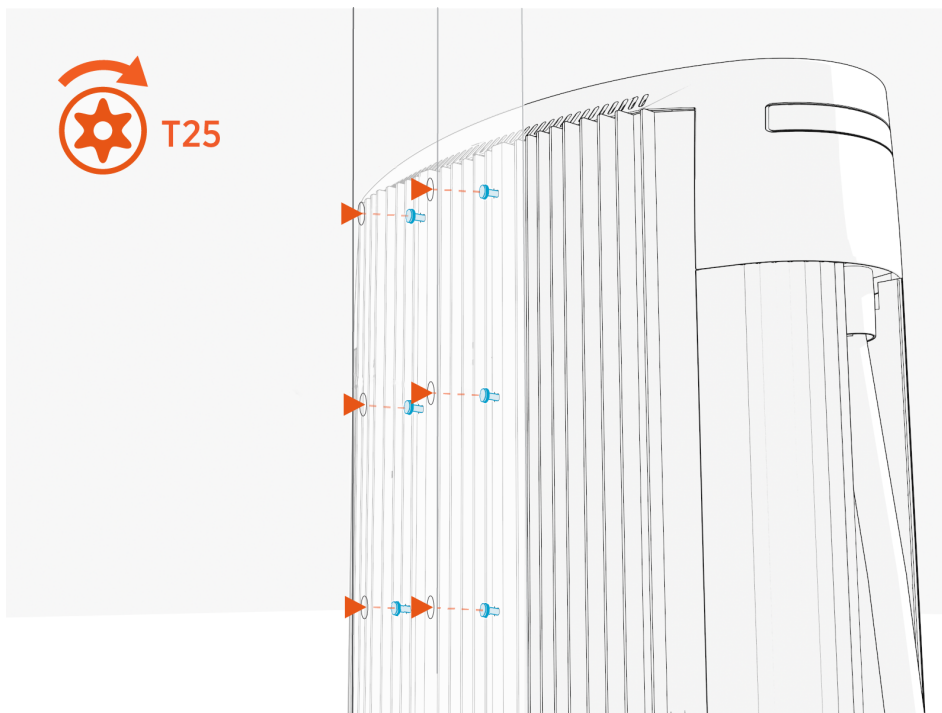
2. Hang the mast onto the screws.
  - To install CMK at maximum height, use keyholes located at bottom of mast.



- To install CMK at minimum height, use keyholes located higher up on the mast.



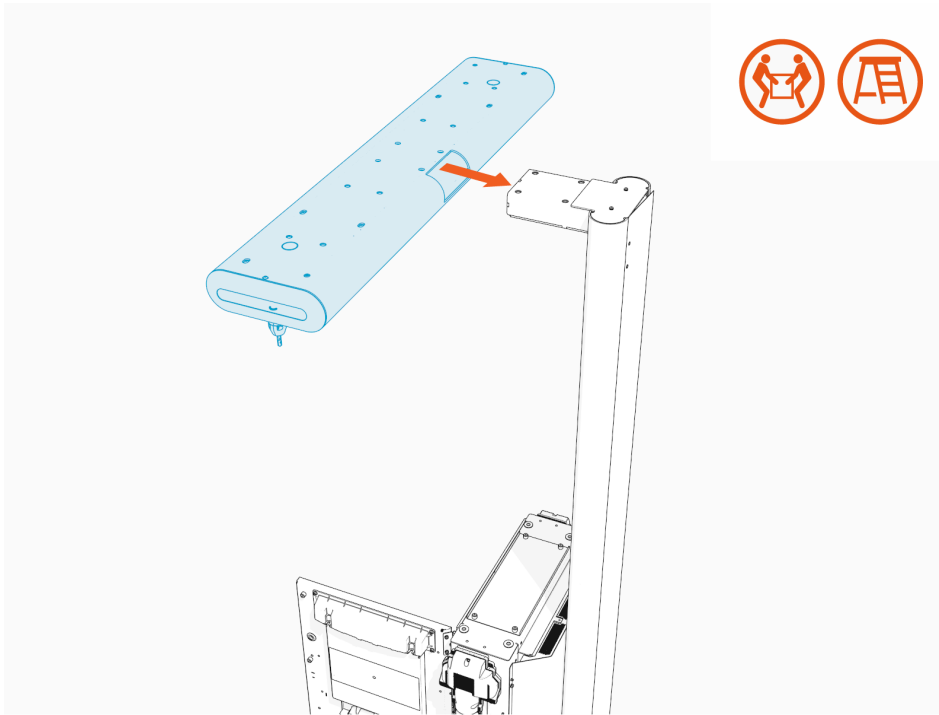
3. Torque screws (x6) to **5.6 Nm (50 in-lb)** through the screw holes at the back of the mast.



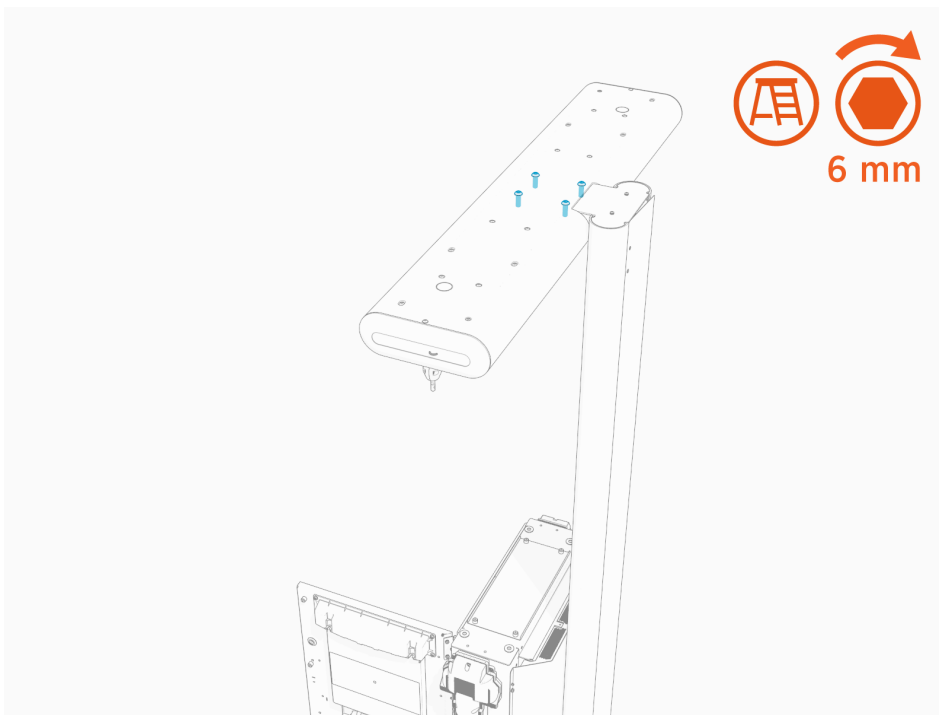
## Install Tall CMK Assembly

To install tall CMK assembly, perform the following steps:

1. Find the M10 hex screws (x4) shipped in the tall CMK package.
2. Install the tall CMK assembly onto the mast.



3. Install the M10 hex screws (x4) and torque to **13.5 Nm (120 in-lb)**.



4. Install tetherball onto the charging cable.

5. Suspend charging cable.
6. Install covers.

## Install Overhead CMK

If the site plan calls for the Power Link 1000 to be configured with an overhead CMK, follow procedures in this section to install the CMK.

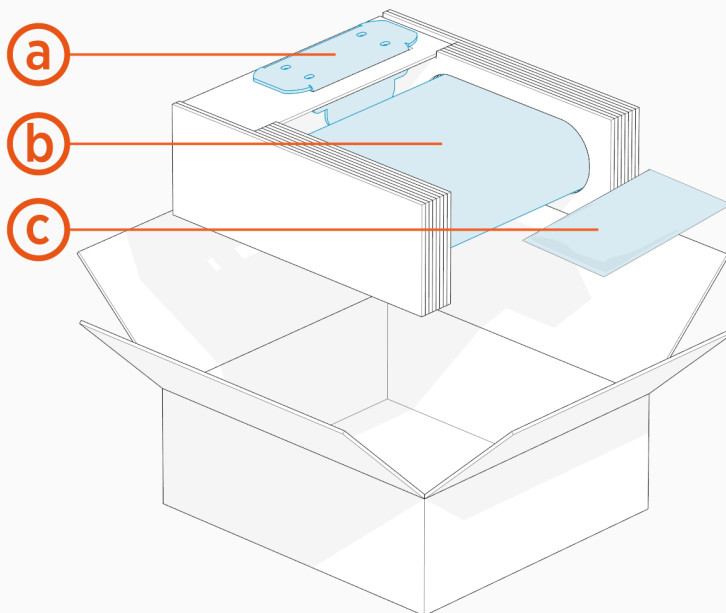


**IMPORTANT:** To install the overhead CMK for a pedestal-mount Power Link 1000, the site must be equipped with a pole for mounting the overhead CMK next to each of the Power Link 1000 charging cables. The pole must meet the design specifications given in the Express PlusPower Link 2000 Site Design.

## Kit Components

Check the overhead CMK package for the following components:

**NOTE:** For any missing component, contact ChargePoint support.

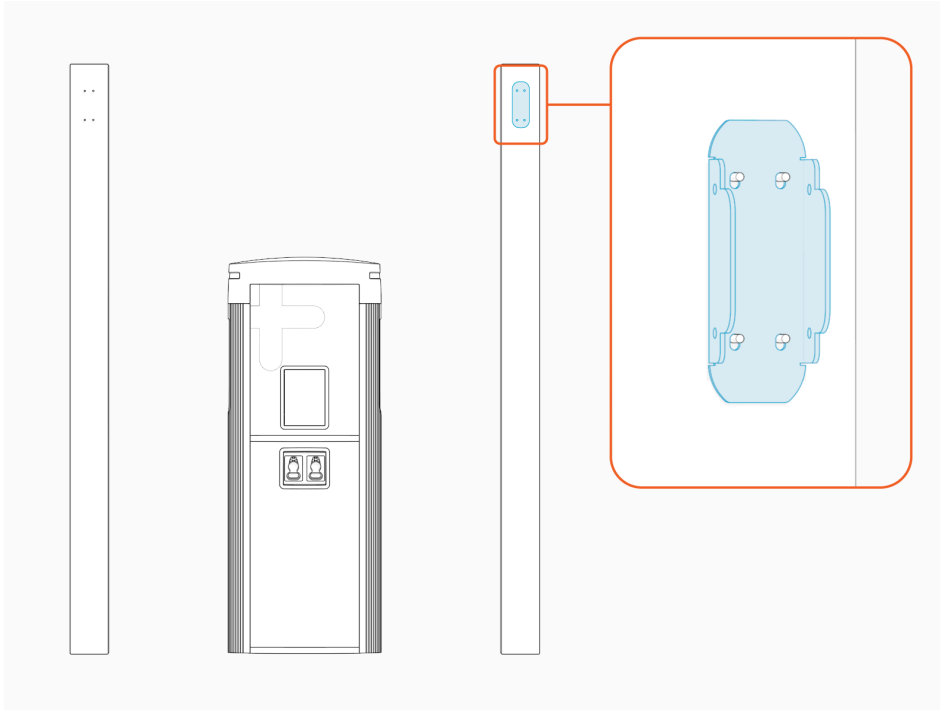


- (a) Mounting bracket
- (b) Overhead CMK
- (c) Hardware kit with M8 hex nuts (x4) and M6 Torx screws (x4)

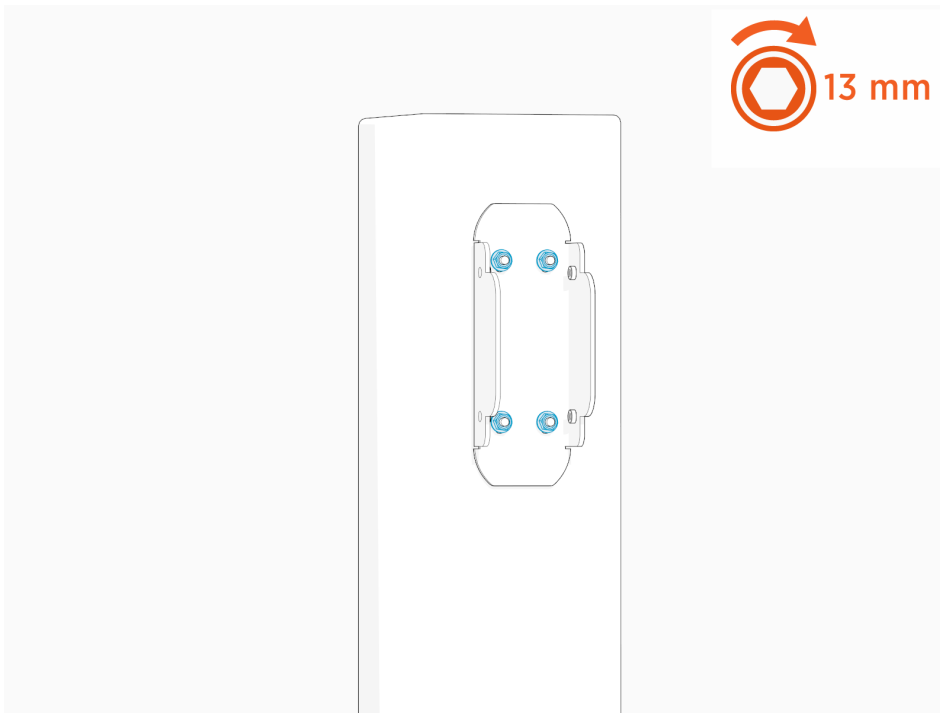
## Install Overhead CMK

To install overhead CMK, perform the following steps:

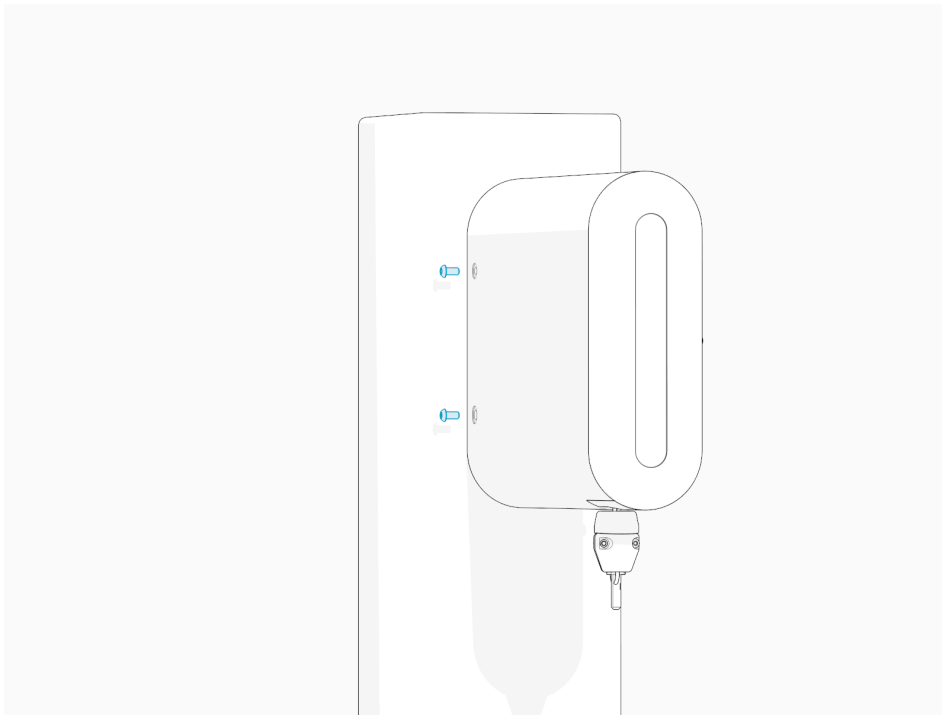
1. Find the M8 hex nuts (x4) and M6 Torx screws (x4) shipped in the overhead CMK package.
2. Install the bracket onto the pole.



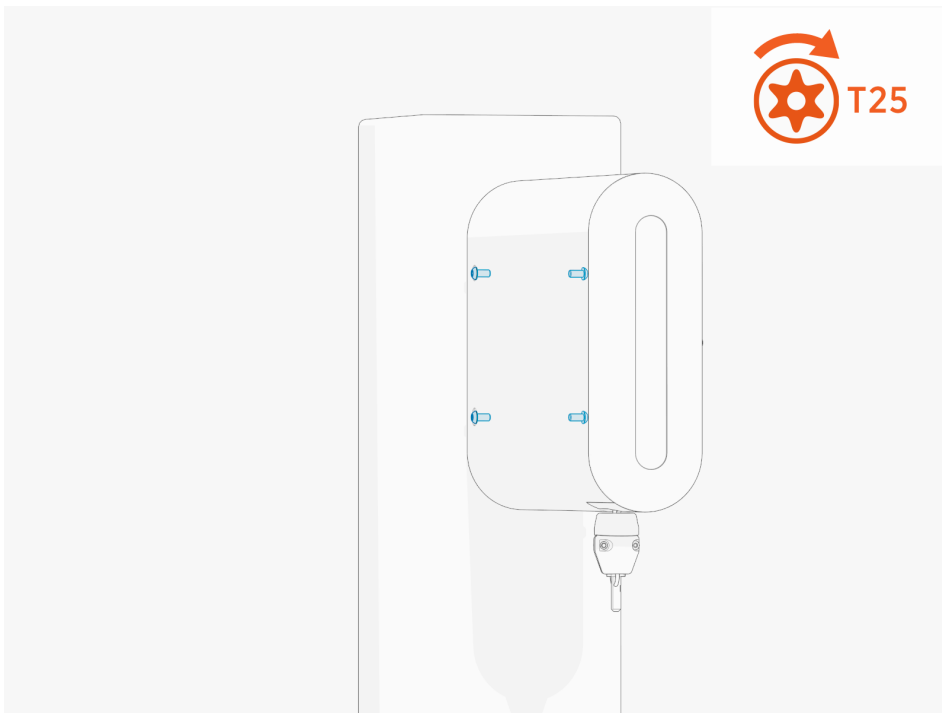
3. Install and torque the M8 hex nuts (x4) to **12.2 Nm (108 in-lb)** to secure the bracket.



- 
4. Align the overhead CMK onto the bracket and install M6 Torx screws (x4, x2 on the left side and x2 on the right side).



5. Torque the screws to **3.4 Nm (30 in-lb)**.



6. Install tetherball onto the charging cable.
7. Install tetherball onto the charging cable.

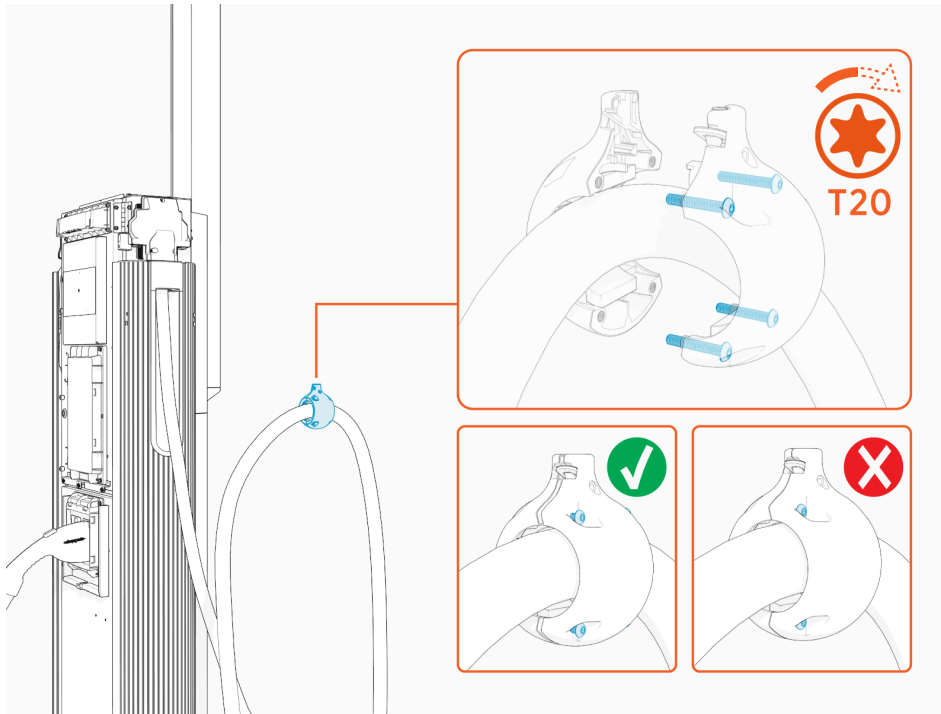
## 8. Suspend charging cable.

### Install Tetherball

Standard length (5.8 m or 19 ft) charging cables come with a tetherball preinstalled onto the cable. For non-LCC medium length (7.6 m or 25 ft) charging cables, a tetherball is not preinstalled onto the cable. It must be installed after installing the charging cable or while installing the CMK.

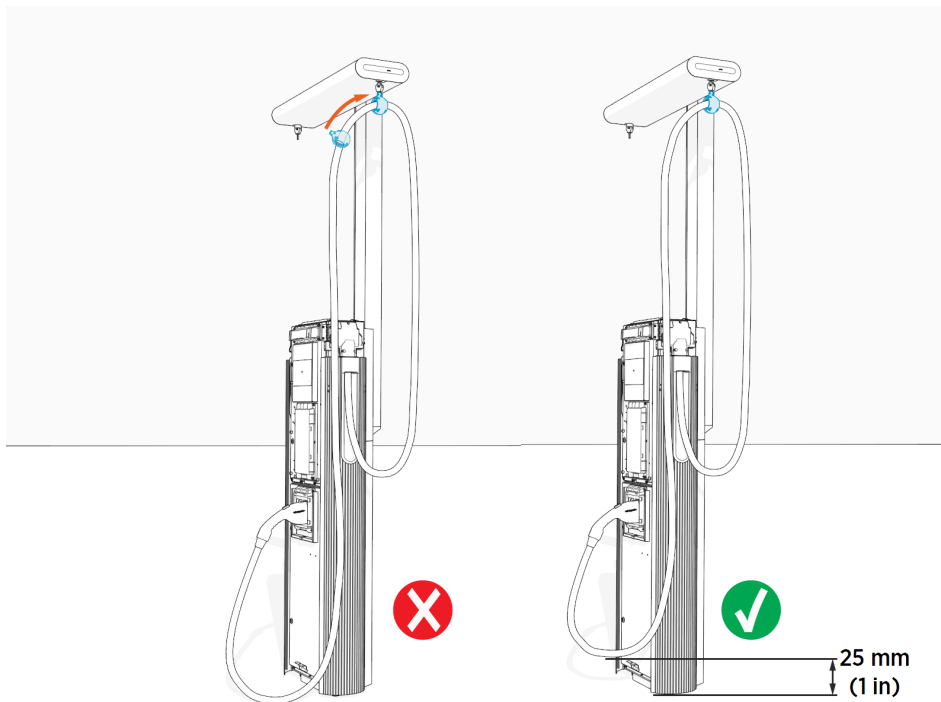
To install tetherball, perform the following steps:

1. Loosely install the tetherball onto the cable.

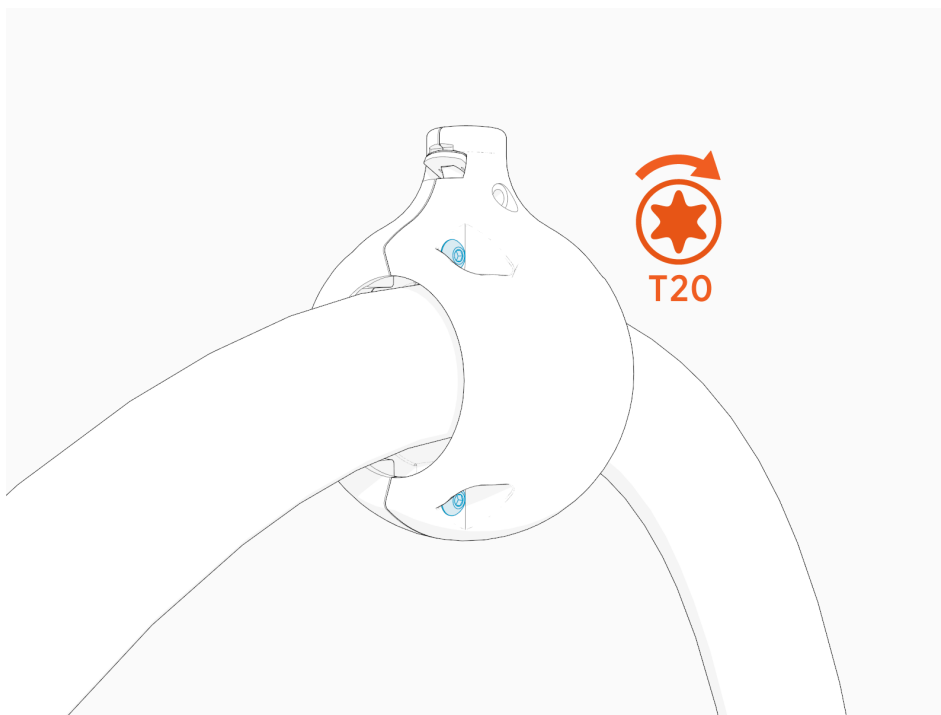




2. If necessary, slide the tetherball to a position on the cable such that the lowest point of the cable remains 25 mm (1 in) off the ground when the cable is in its stored position.



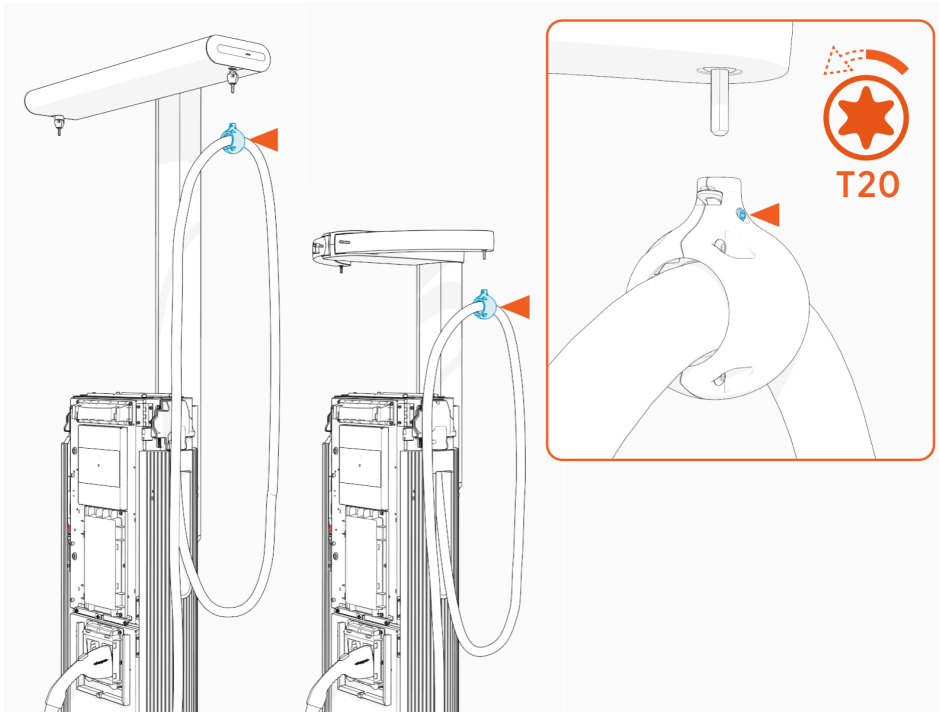
3. Torque the screws (x4) to **2.8 Nm (25 in-lb)**.



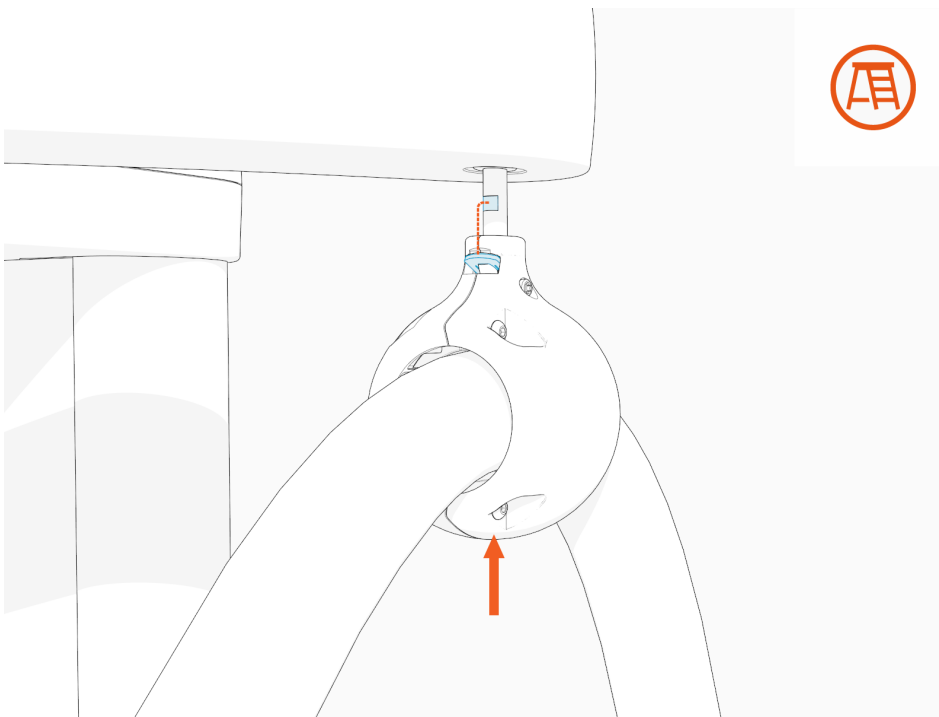
## Suspend Charging Cable

To suspend charging cable, perform the following steps:

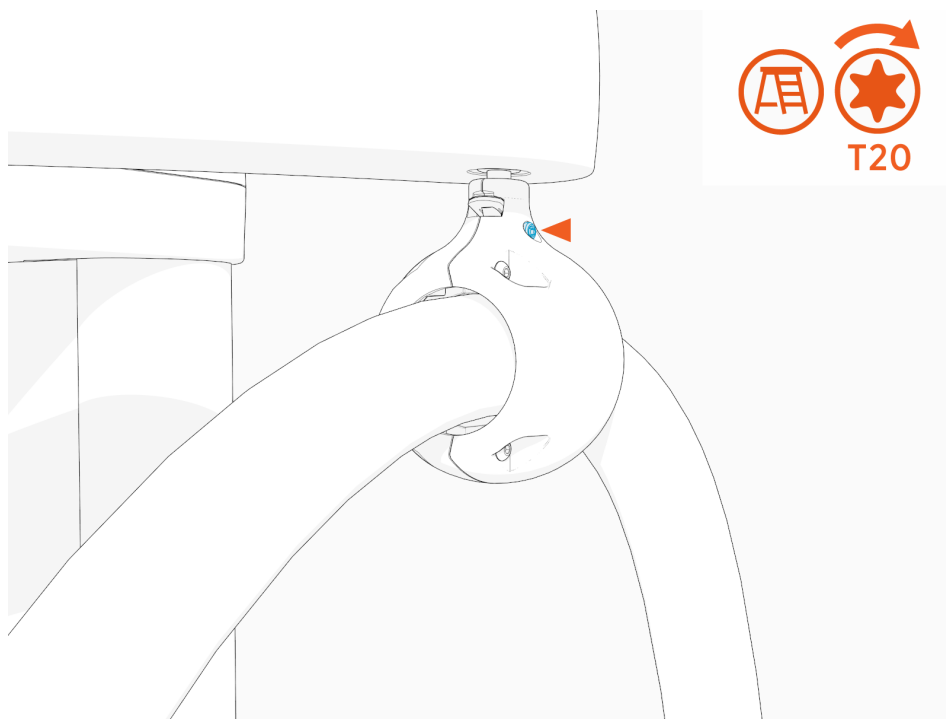
1. Loosen the screw if it is not loose.



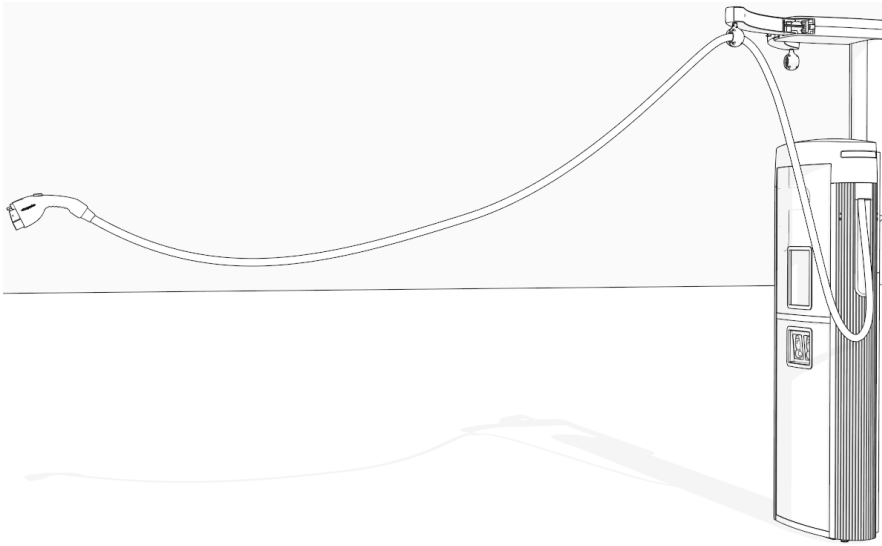
2. Align the spring tab in the tetherball with the flat notch on the tether pin. While aligned, gently push the tetherball onto the tether pin.



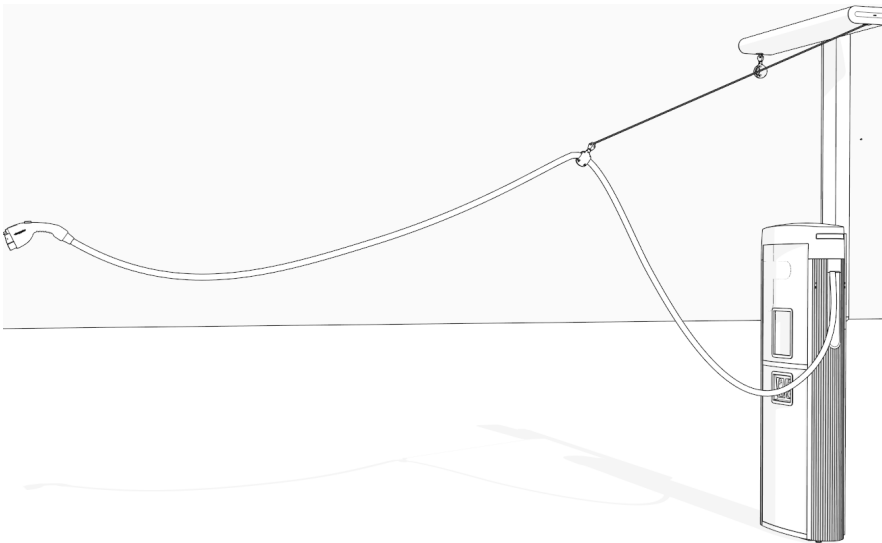
- 
3. Torque the screw to **2.8 Nm (25 in-lb)**.



4. Tug on the cable to check that it is securely attached and the swingarm or tool balancer is functioning. If you find limited motion or retraction, [contact ChargePoint support](#).
- Standard CMK swingarm extension:



- Tall CMK tool balancer extension:

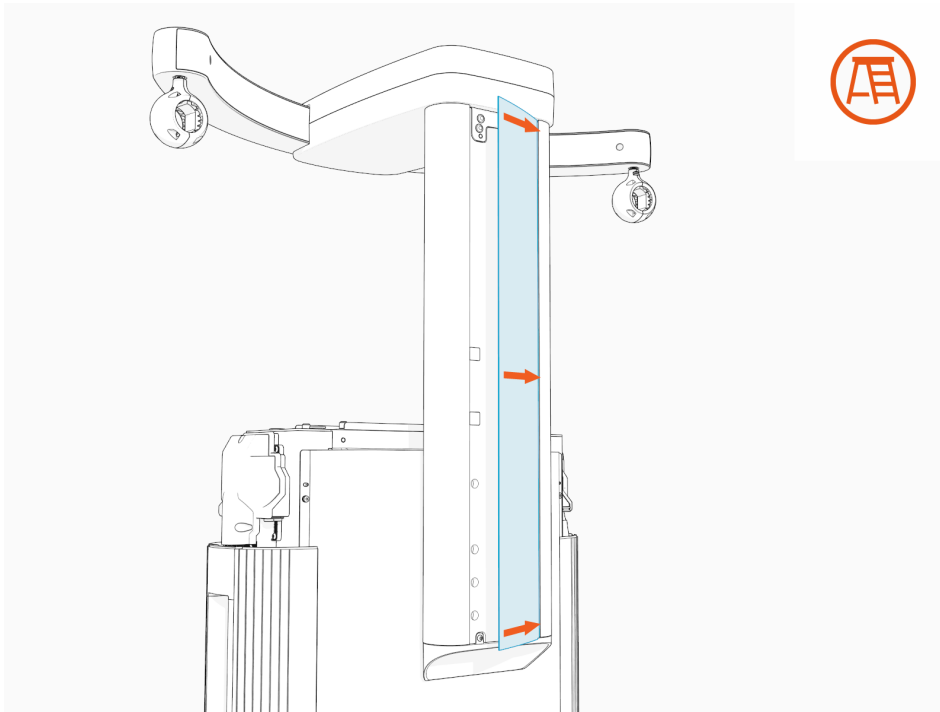


5. If two charging cables have been installed, repeat for the other side.

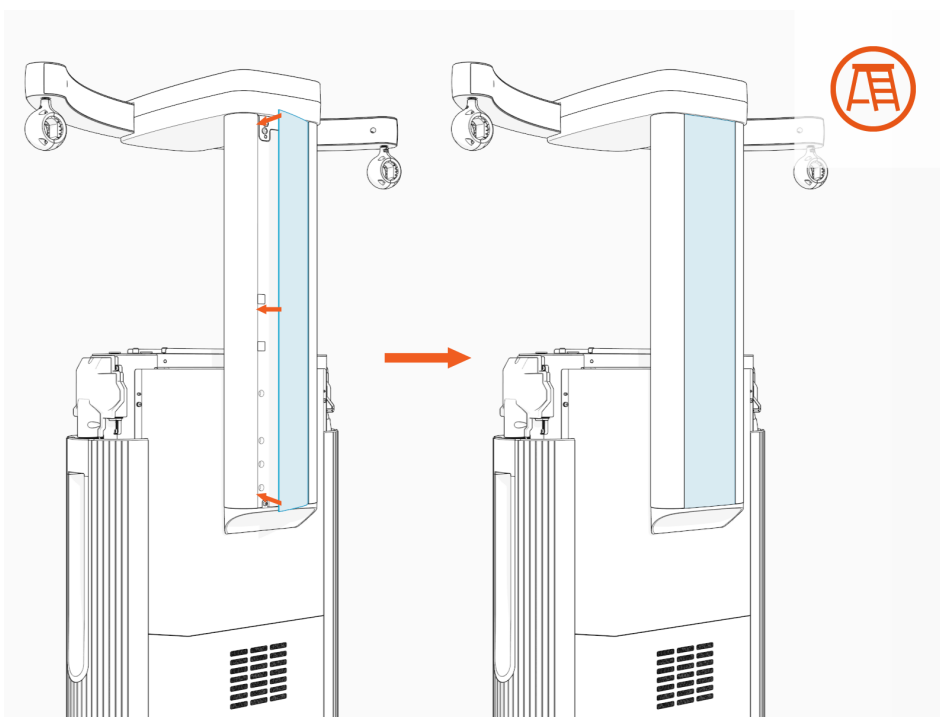
## Install CMK Covers

To install CMK covers, perform the following steps:

1. Find the front and rear covers shipped in the CMK package.
2. Insert one edge of the rear cover into one of the grooves on the rear side of the CMK mast.

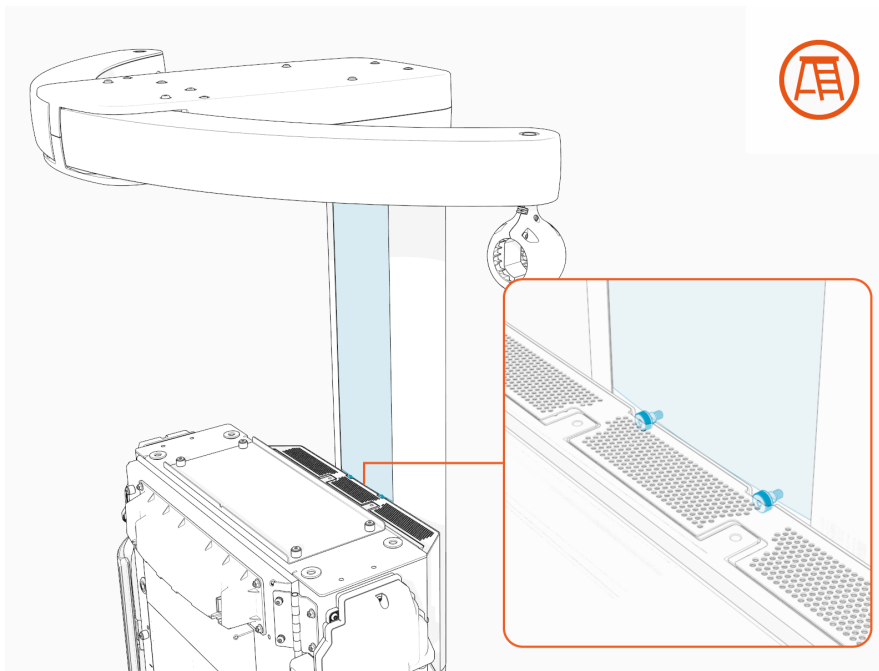


3. Gently flex the rear cover to insert its other edge into the other groove on the rear side of the CMK mast.

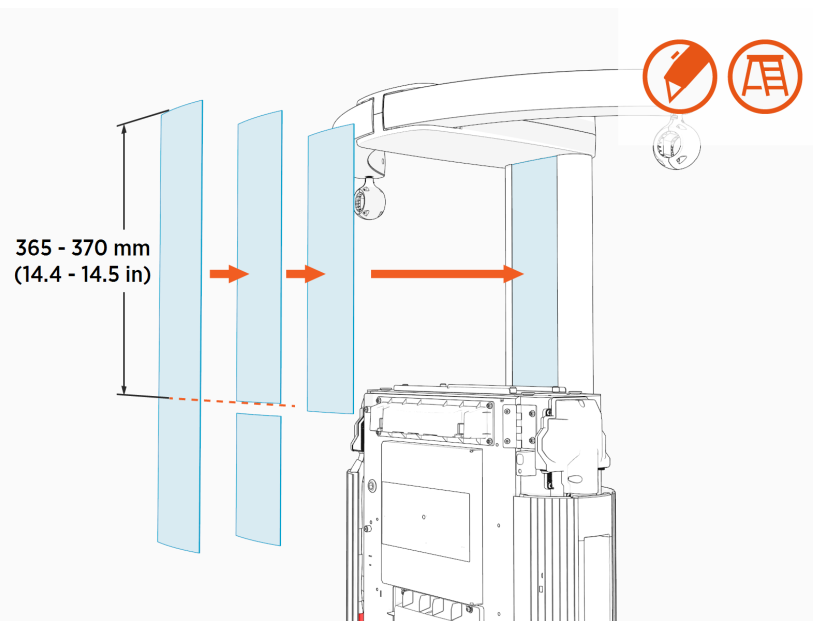


4. Repeat the above steps for the front cover and ensure the following:

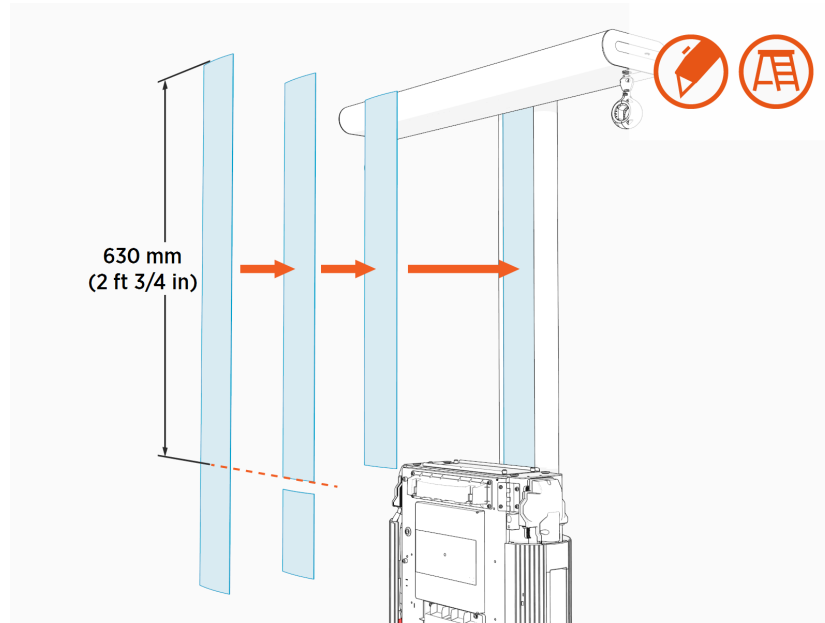
- If installing covers on the standard CMK at maximum height, make sure that the front cover is resting on the two shoulder screws on the front side of the CMK mast.



- If the CMK (either standard or tall) is installed at minimum height, cut its front cover to the following height:
  - Standard CMK's front cover:



- Tall CMK's front cover:

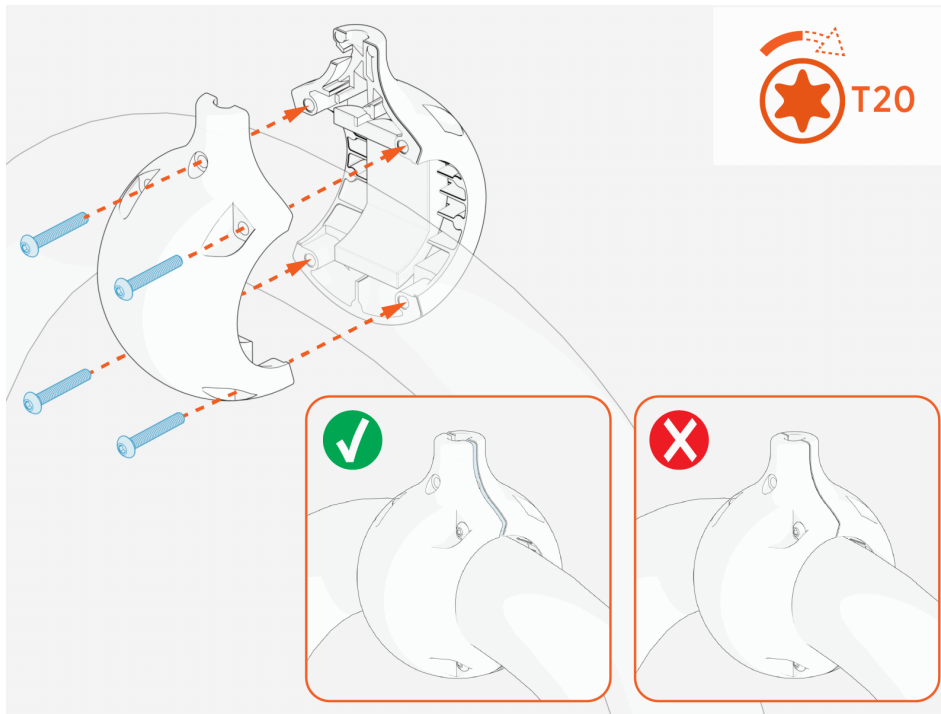


## Install Tether Hook

Use tether hooks as additional support for overhead CMKs or to enable the use of third-party hoist or cable management solutions. The tether hook can be attached to either a fixed point or to an alternate cable management mechanism such as a winch.

To install the tether hook, perform the following steps:

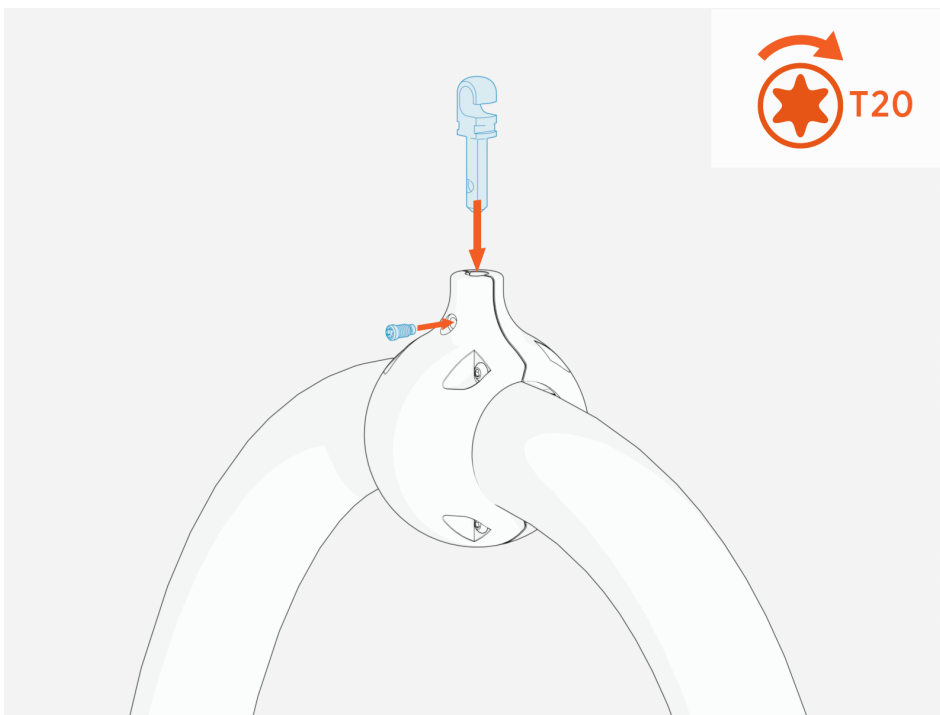
1. Loosely install the tetherball onto the cable. Slide and position the tetherball onto the charging cable to an appropriate suspension position (prior to tightening the tetherball).



2. Torque the screws (x4) to **2.8 Nm (25 in-lb)**.

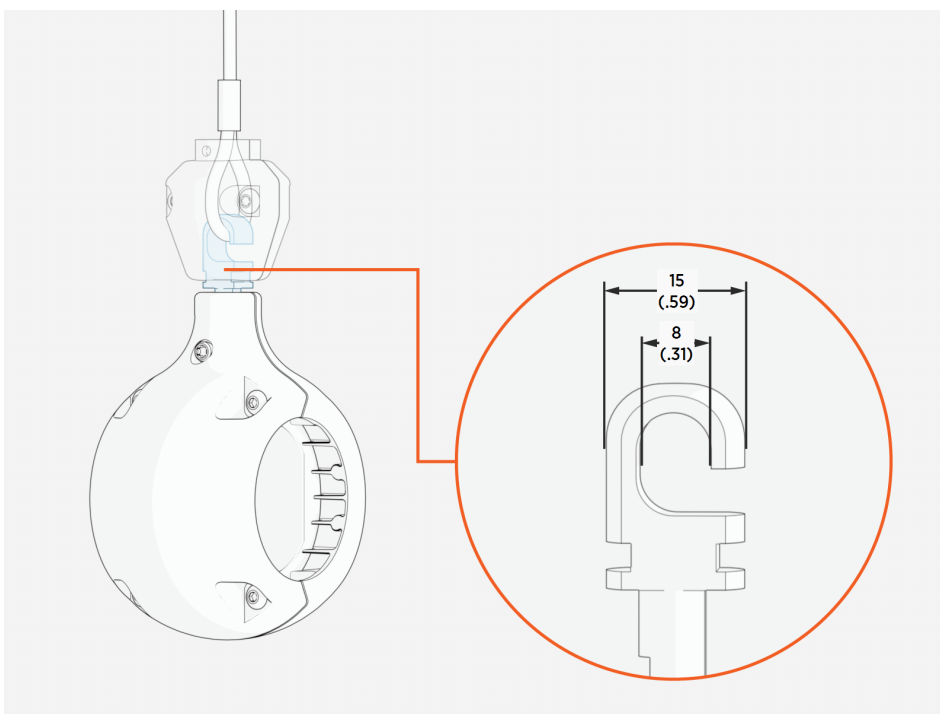


3. Push the tether hook into the tetherball and tighten set screw.

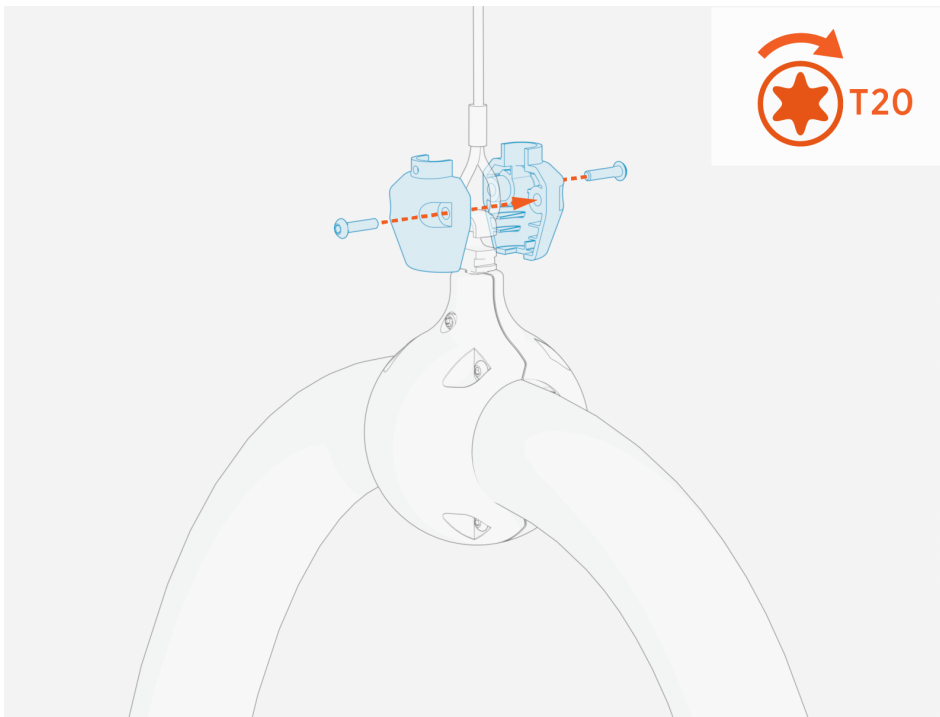


4. Use steel cable (recommended 1/8" OD) and associated eyelet/thimble to connect to tether hook. Wrap the steel cable and eyelet around tether hook.

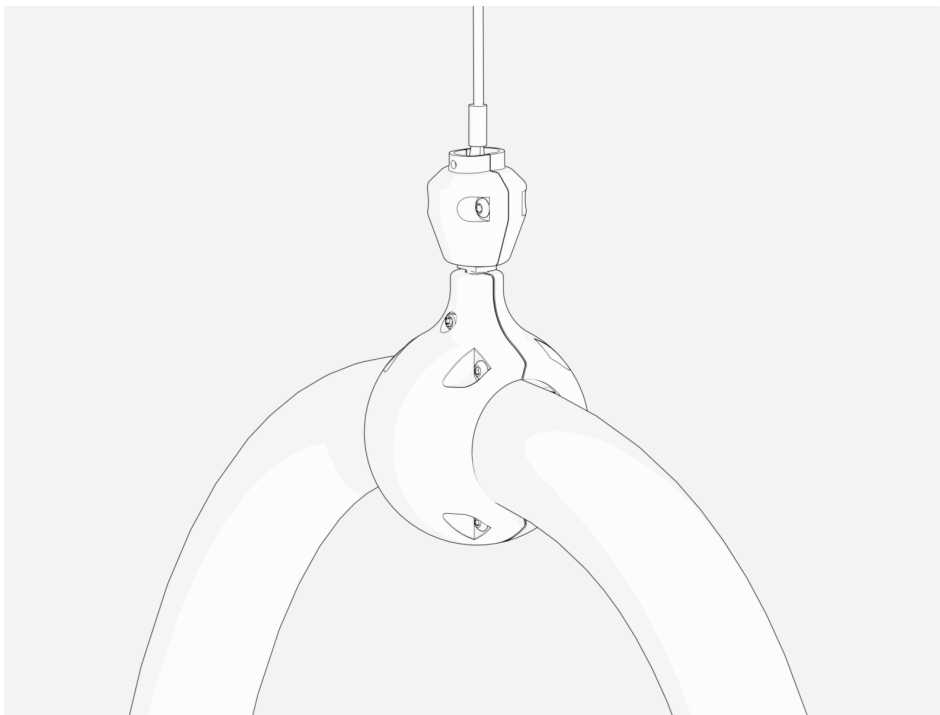
**Note:** Images are not to scale. Measurements appear in metric units (mm) followed by imperial equivalents (inches).



5. Secure the plastic housing around the tether hook. Torque the T20 screws (x2) to **1.3 Nm (10 in-lb)**. This ensures the steel cable is retained on the tether hook.



6. Ensure the tether hook is securely fastened and the cable is properly supported.

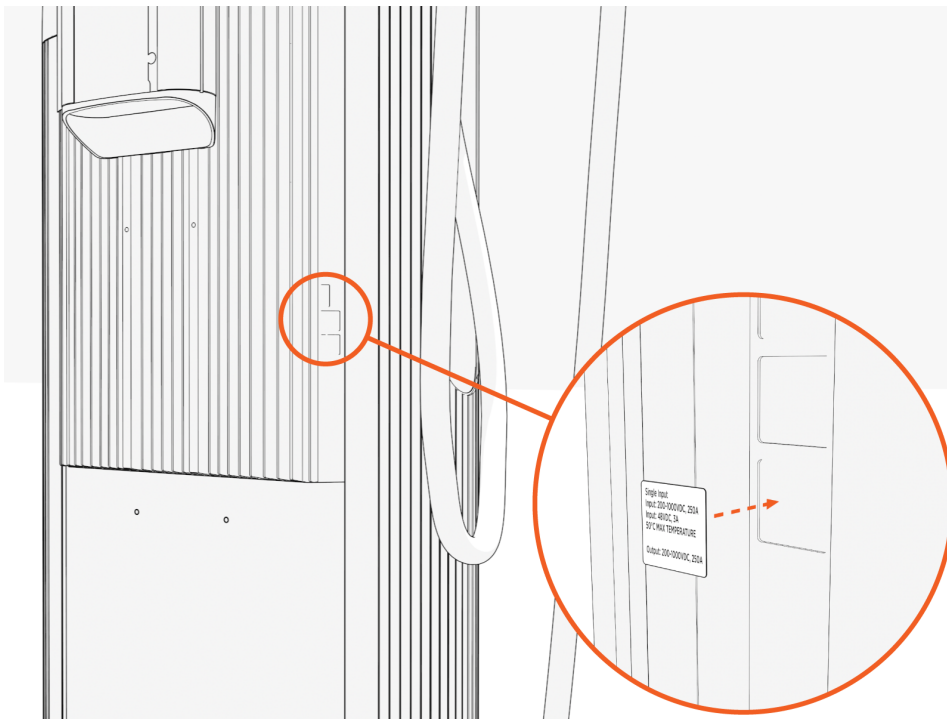


# Verify and Adhere Ratings Label 6

To verify and adhere ratings label for Power Link 1000 and Power Block, refer to the instructions below:

## Power Link 1000

1. Locate the ratings label and serial number on the back right edge of the heat sink.



2. Verify the ratings listed on the site drawing.
3. Choose the correct ratings label from the label sheet (included).
4. Adhere the label to the indentation.

## Power Block

**NOTE:** You should have already applied the ratings label when you connected the wiring inside the Power Block.

# Complete Station Setup 7

To complete station set up, complete the following steps:



**IMPORTANT:** Do not power on Power Link 1000 after completing the installation (after installing the covers). An authorized commissioning partner will commission, power on, pinpoint, and configure Power Link 1000 after installation. If you are authorized to do so, complete the following procedures:

## Power On

After you power on the charging station at the breaker panel (see ["Power On" on page 1](#)), complete the station setup. You must have completed the installer training and received your installer login. To complete the next steps, you need the following information:

- Installer login
- Activation label (i.e., QR code label including the MAC address and activation password) for Power Block and Power Link 1000, if not already applied to the station
- A smartphone with camera, QR code scanning app (usually built into the camera app), Internet connectivity
- The exact location (to the parking space) where the Power Block and Power Link 1000 are physically installed

## Run Installation Wizard

To run the installation wizard, complete the following steps:



**IMPORTANT:** Instructions vary for each configuration. Complete this procedure only for the Power Link 1000 with a touchscreen display unit. This procedure is not applicable to Power Link 1000 without a touchscreen display unit.

1. On the Power Link 1000 touchscreen display, select your language.  
This does not permanently affect the charging station's display language.
2. Select "New station" or "Replace an existing station."

3. Ensure that you have all required items and select Yes.
4. Follow the onscreen prompts.

## Pinpoint Location of Power Block and Power Link 1000

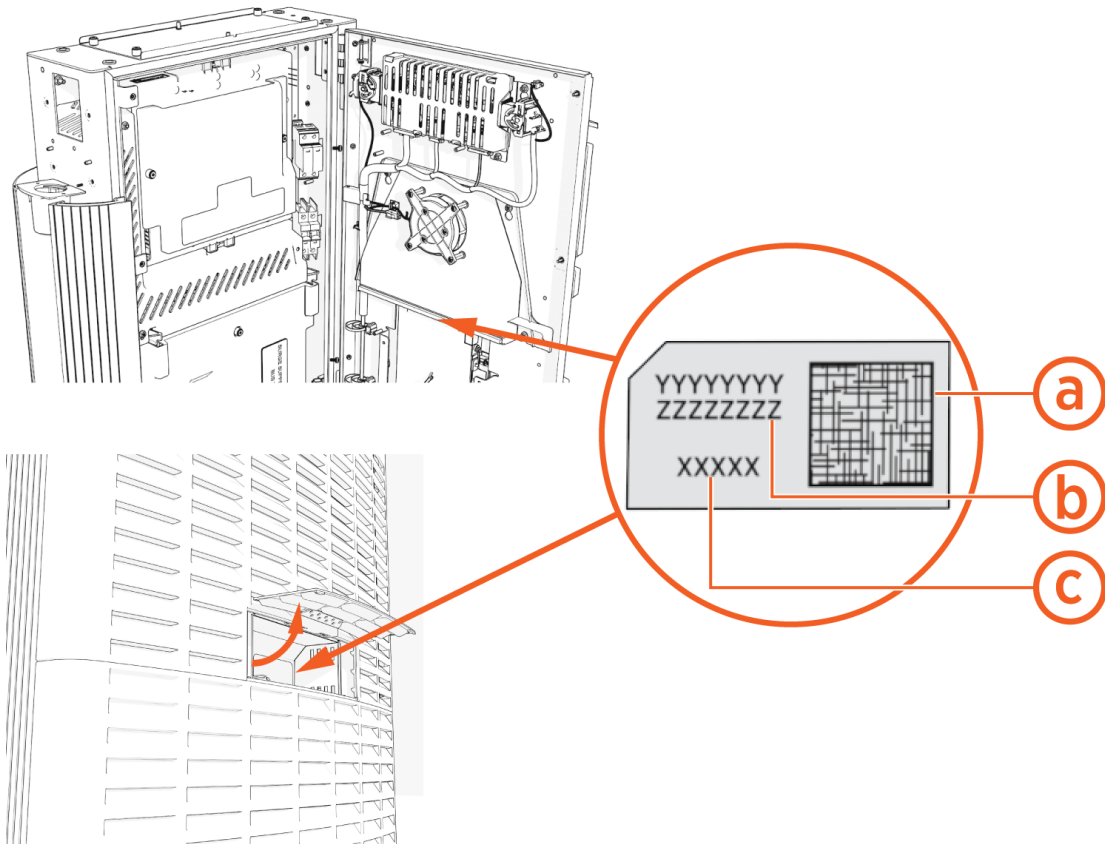
To pinpoint the location of Power Block and Power Link 1000, complete the following steps"



**IMPORTANT:** Complete this procedure for both Power Link 1000 and Power Block separately. Both Power Link 1000 and Power Block have their own MAC address and activation password.

### 1. Find the activation label:

- Power Link 1000: You can find it on top of the display or non-display unit.
- Power Block: You can find it behind the security panel (see "[Adhere Ratings Label](#)" on page 1).



- (a) QR code
- (b) MAC address
- (c) Activation password

If your smartphone has QR code scanning app, follow the steps below:

1. Open the QR Code scanning app on your smartphone and point the camera at the QR code on the activation label.

Your smartphone browser automatically redirects to the installer pinpointing page. Confirm that the URL of the page is [o.chargepoint.com](https://o.chargepoint.com).

2. Log into the installer site using your installer login.
3. Confirm the MAC address and activation password are automatically entered and correct, select **Next**. Continue from [Step 5](#) below.

If your smartphone does not have QR code scanning app, follow the steps below:

1. Using your smartphone or laptop browser, go to [o.chargepoint.com](https://o.chargepoint.com).
2. Log into the installer site using your installer login.
3. Enter the MAC address and activation password printed on the activation label, and select **Next**.
4. Select the Location Permission button. Your GPS coordinates are required to complete the pinpointing process.
5. Select the type of installation and select **Next**.
6. Enter the site address and select **Next**.
7. Verify the address and select **Next**.
8. Move pin to exact location of charging station on the map and select **Next**.
9. Enter additional station location details such as parking lot name, building name, floor label, and parking restrictions, if applicable and select **Next**.
10. Add Helpful Information for Drivers and select **Take a photo** to upload an image such as photo of the location and station.
11. Follow any onscreen prompts to complete the pinpointing.

# Post Installation Checklist 8

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

[https://docs.chargepoint.com/ref-docs-sec/content/pdfs/3-dc/System/pl1000/pl1000-install\\_checklist.pdf](https://docs.chargepoint.com/ref-docs-sec/content/pdfs/3-dc/System/pl1000/pl1000-install_checklist.pdf)

Provide the checklist and any spare parts (activation labels, and so on.) to the person responsible for activating the stations. This completes the installation of the Power Link 1000 charging station.

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## Limited Warranty Information and Disclaimer

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

## Limitation of Liability

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

## FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

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

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

## ISED (formerly Industry Canada)

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

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

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

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

## FCC/IC Compliance Labels

Visit [chargepoint.com/labels](https://chargepoint.com/labels).







[chargepoint.com/support](https://chargepoint.com/support)

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