Express Solo and Express Distro Power Block 2000

One Platform, Infinite Possibilities

Service 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. **ChargePoint recommends that installation, commissioning, and break-fix services be performed by a licensed electrician who is also a ChargePoint-certified technician.** These systems operate at high voltage, and without strict adherence to safety protocols, proper protective equipment, and ChargePoint technical guides, there is significant risk to people, equipment, and the environment. Please ensure full compliance with all applicable local and national buildings, electrical, and safety codes.
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 electric shock. 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. **For charging stations equipped with EV connectors or charging rails, 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 is damaged or if any internal parts (including wiring) are accessible. For products equipped with an EV connector, flexible output cable, vehicle inlet, or connector adapter, do not use the product if any of these components are broken, cracked, open, or shows any other signs of damage.**
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. **For products equipped with an EV connector or connector adapter, do not use an adapter with any charger or EV that exceeds the adapter's rated voltage or current capacity. Some EV/EVSE combinations can operate at multiple voltages or allow short-duration current overloads during normal charging. Using an 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.

Warranty Implication

IMPORTANT: Please be advised that all installation, commissioning, and break-fix services must be performed by a ChargePoint-certified technician. Engaging non-certified personnel for these services will result in warranty implications, as doing so constitutes a breach of policy.

Support Services

https://www.chargepoint.com/legal/support-services

For more information about ChargePoint's training and certification program, visit https://www.chargepoint.com/partners/training-certification

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: Critical detail that must be followed to achieve intended results



NOTE: Important contextual details or procedural clarifications



REINSTALL NOTE: Essential instructions to follow when reinstalling a part or component



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	Description
September, 2026	Early access draft - Initial release
October, 2026	Added the following FRU chapters: • Safety Hub Board • Power Management Controller (PMC) • Smart Ethernet Switch (SES) • System Cooling Controller Board (SCCB) • Liquid Cooling Cable (LCC) Pump • Ion Filter • Liquid Cooling Cable (LCC) Coolant Refill • Air Filters • AC Fuse • DC Fuse

Introduction 1

This section provides essential background information for servicing the ChargePoint® Express Solo and Express Distro Power Block 2000.

NOTE: This guide contains some images and procedural steps that require revision based on site feedback. In addition, some new images still need to be created. These changes are in progress and will be included in the guide at Ok2Ship.

About This Guide

This guide provides instructions for servicing and repairing the ChargePoint Express Solo and Power Block 2000. It covers component access, replacement procedures, troubleshooting workflows, safety considerations, and verification steps required to return the station to normal operation.

This guide is intended for qualified service technicians and authorized maintenance personnel responsible for performing corrective and preventive service on Express Solo and Power Block 2000 equipment.

Before You Begin

This section summarizes important precautions, requirements, and recommended practices to review before servicing the Express Solo.

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.

WARNING: Do not install or service the charging station in inclement weather. If you work in snow, rain, or wind, you must use a weather-proof shelter that covers all boxes and components.

WARNING: Do not use an impact screwdriver for service on the cabinet.

CAUTION: Comply with these guidelines to prevent component damage.

- Use tools suitable to torque metric fasteners. All fasteners used on the Express Solo are in metric sizes.
- Use the given torque values to tighten the fasteners.
- Ensure that the tools such as torque tool, multimeter, and Ethernet tester are calibrated.

CAUTION:

- If the charging station is not installed, commissioned, or serviced by a ChargePoint Certified Technician using a ChargePoint-approved method, it is excluded from all ChargePoint and other warranties and ChargePoint is not responsible.
- You must be a licensed electrician and complete the training at https://www.chargepoint.com/partners/training-certification to become ChargePoint certified and to access the ChargePoint web or app-based installer tools.

IMPORTANT: When you service a charging station, ChargePoint recommends taking a photo before removing each part, so you can refer to the photo when reassembling.

Check and Protect Parts

To ensure your safety, do the following:

- Use only authorized parts and accessories sold and supplied by ChargePoint for the unit and model.
- 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.
- Familiarize yourself with the contents of each shipping box.
- Ensure that you have all the parts for the work you plan to perform.
- Have more than one technician or qualified support person present if components are heavy.
- Keep liquids and objects containing liquid away from the unit, never on or inside.

NOTE: Reuse the packaging from the new part to return the removed component to ChargePoint when the applicable FRU chapter specifies that a return is required.

Review Documentation

A full suite of guides is available for Express Solo and Power Block 2000, as summarized below.

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, responsible engineer, contractors, installers
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

Access ChargePoint documents at ChargePoint Product Reference Documentation.

To ensure safety for you and others, do this before you begin:

- Familiarize yourself with the instructions in the service guide.
- If you have not installed or serviced the Express Solo and Power Block 2000 recently, orient yourself to the Express Solo and Power Block 2000 by reviewing the *Site Design Guide*, *Installation Guide*, and *Datasheet*, as well as any other materials you find helpful.

If Damaged, Do Not Service

Do not perform work or remove any signs or covers from the unit if you find any of the following:

- The charging station housing shows mechanical damage.
- The charging cables or connectors are visibly damaged.
- The station is unstable or moves.

If you find such damage, turn off the station, advise the site manager to keep the unit(s) off, and contact ChargePoint immediately. Find your region's technical support number at chargepoint.com/support.

Questions

For assistance, go to chargepoint.com/support and contact technical support using the appropriate region-specific number.

Express Solo Overview 2

The following section provides a product overview of the Express Solo.

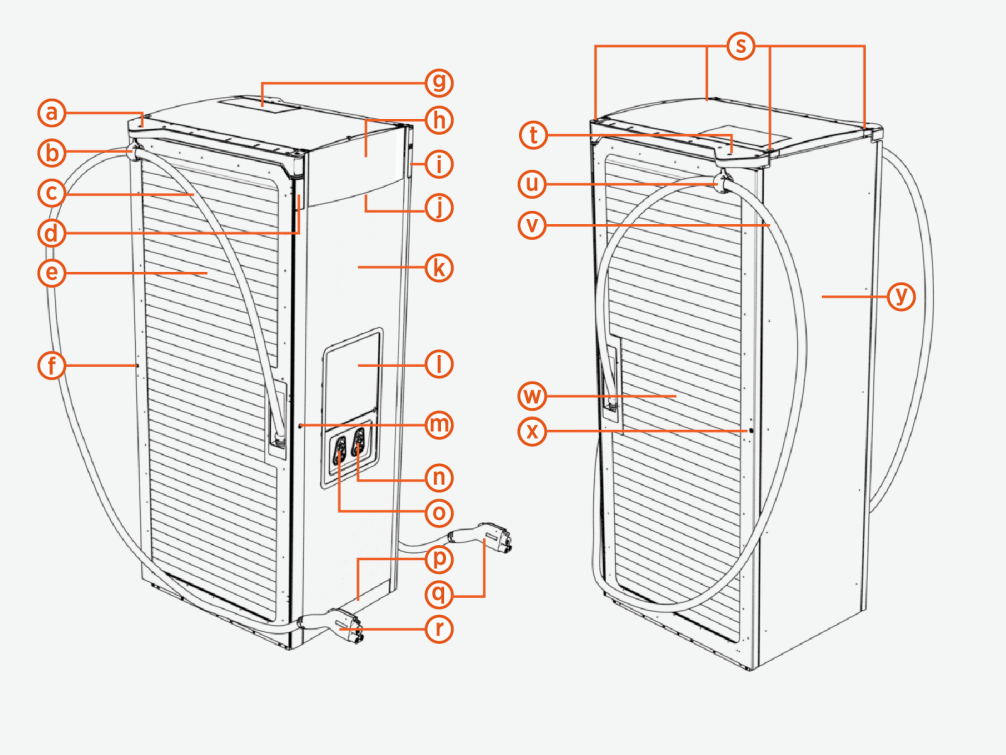
Product Description

Express Solo is a product within the Express DC fast charging platform. Express Solo operates as both a standalone charging station and a power cabinet. It accepts AC input power, converts it to DC, and delivers power to two integrated charging cables. It can also simultaneously supply power to downstream EVSEs such as external Power Link charging dispensers.

For information on Power Link charging dispensers and other modular EVSEs in the ChargePoint Express platform, refer to the Express platform documents at ChargePoint Product Reference Documentation.

Exterior Parts

The following shows an exterior view of the Express Solo.



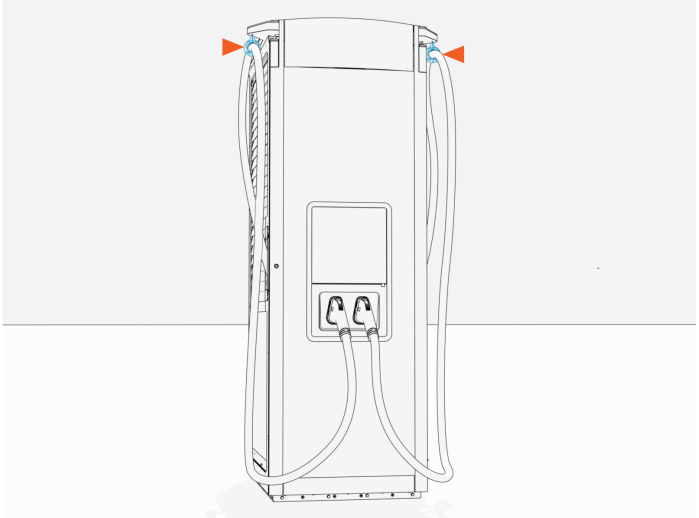
Ref	Part	Ref	Part
(a)	Cable management system, left	(n)	Holster, right
(b)	Tetherball, left	(o)	Holster, left
(c)	Charging cable, left	(p)	Bottom plate
(d)	Status LED, left	(q)	Charging connector, right
(e)	Exhaust (left) door with airflow vents	(r)	Charging connector, left
(f)	Exhaust door lock	(s)	Lifting points
(g)	Smart Antenna	(t)	Cable management system, right side
(h)	Logo plate (customizable)	(u)	Tetherball, right
(i)	Status LED, right	(v)	Charging cable, right
(j)	Area downlight (front – illumination side)	(w)	Intake (right) door with airflow vents
(k)	Display door (with customizable vinyl)	(x)	Intake door lock
(l)	Display/CCOM assembly (display side) (*)	(y)	Rear panel
(m)	Display door lock		

NOTE: (*) CCOM = Control and Communication Module

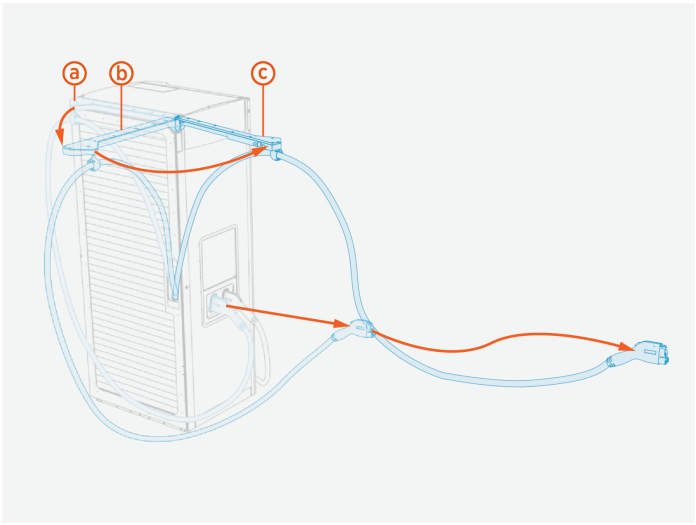
Cable Management System

Express Solo is available with several cable management options:

- **Fixed Tether Point** – Charging cables are suspended from fixed points on left and right sides of the charging station.



- **Swingarm Cable Management Kit (CMK)** – Moveable arms on left and right sides of the cabinet swing suspended charging cables out and forward for charging and retract cables to rest position between charges.

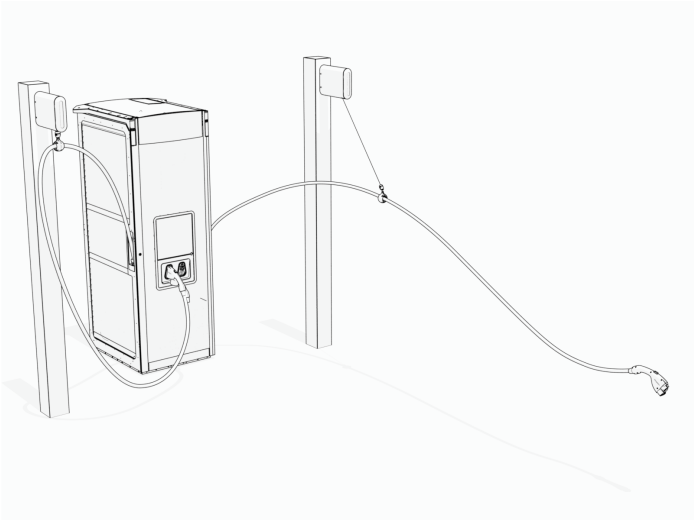


(a) CMK retracted position

(b) CMK half open (maximum side extended) position

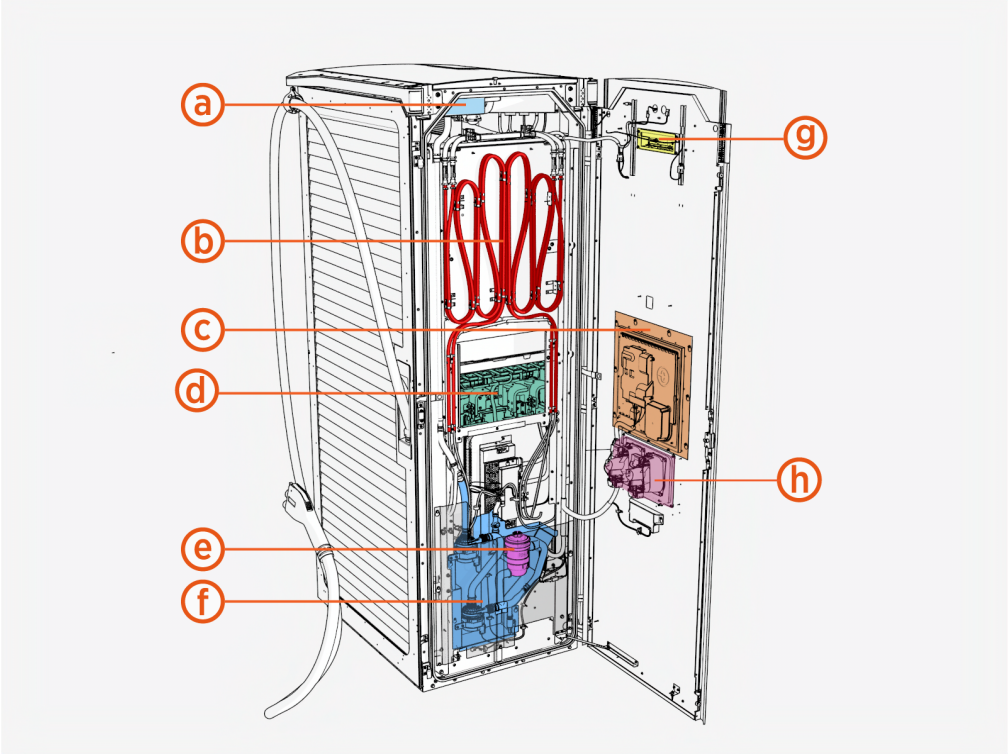
(c) CMK fully open (maximum front extended) position

- **Overhead CMK** – An extendable/retractable tetherball suspends charging cables on poles (or other vertical structure) positioned to the left and right of the station.



Interior Parts

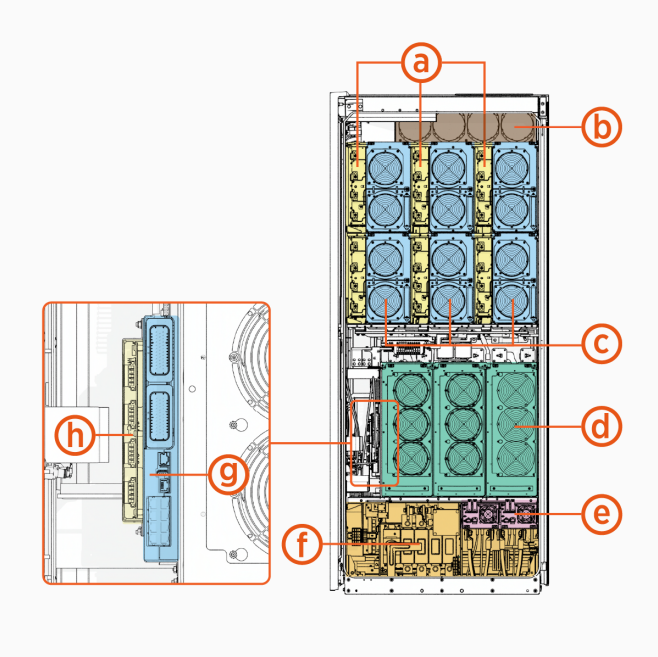
The following shows a front interior view of the Express Solo.



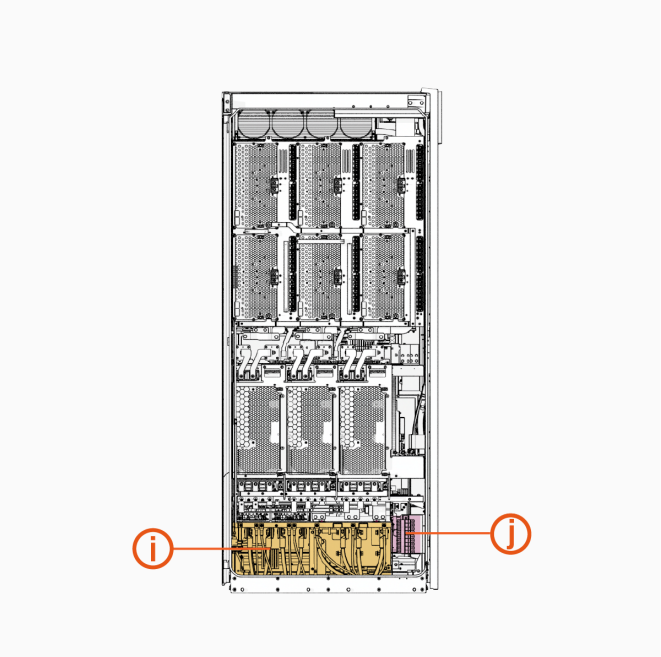
Ref	Part
(a)	Coolant reservoir
(b)	Liquid cooling system

Ref	Part
(c)	Display/CCOM Assembly (CCOM side)
(d)	Neutron modules
(e)	Ion filter
(f)	Coolant circulation pump for liquid cool charging (LCC) loop
(g)	Area downlight (rear housing)
(h)	Holsters

The following shows side interior views of the Express Solo:



Intake (Right) Side



Exhaust (Left) Side

Ref	Part	Ref	Part
(a)	Contactor matrix	(f)	Wire terminals and bus bars, intake side
(b)	Liquid cooled charging (LCC) cable fans	(g)	Power Management Controller (PMC)
(c)	DC power modules	(h)	Safety Hub Board (SHB)
(d)	AC power modules	(i)	Wire terminals and bus bars, exhaust side
(e)	Aux power supply (AUX PS) modules	(j)	48 V DC fuse block

System Description

The Express Solo intakes 3-phase AC grid power and performs power conversion with two types of modules:

- **AC Power Module** – The AC power module converts AC input power to DC output power. Up to three modules can be installed into each Express Solo to scale total power capacity.

- **DC Power Module** – The DC power module is an isolated, bidirectional DC/DC converter that conditions power for delivery to downstream EVs.

The Express Solo has two separate DC power distribution buses, each with its own set of interfaces:

- **DC Grid Bus and DC BUS** – 480 V AC and 400 V AC Express Solo models feature a non-isolated bus called DC Grid that operates at up to 950 V (depending on region and application). These Express Solos are equipped with an interface to its DC Grid Bus, called DC BUS. Two Express Solos may be paired (configured for power sharing) by interconnecting their DC BUSes. 600 V AC Express Solo models do not support DC Grid.
- **DC Output Bus and External DC Outputs** – The DC Output Bus is an isolated DC bus (100–1000 V) that delivers regulated output power to connected EVs. Power flow from the DC Output Bus is routed through the Contactor Matrix, which outputs power across the two integrated charging cables (charging points (CPs)) and to two discrete external DC outputs designated EXT B and EXT D. Each external DC output can supply power to a single input power path of a Power Link charging dispenser.

The Express Solo is equipped with an Auxiliary Power Supply (APS) system:

- **Auxiliary Power Supply (AUX PS) Modules** – Each cabinet includes AUX PS modules that generate 48 V DC power for internal electronics and sub-assemblies within the unit.
- **48 V DC Output** – Express Solo provides two 48 V DC outputs for supplying power to connected Power Link charging dispensers.

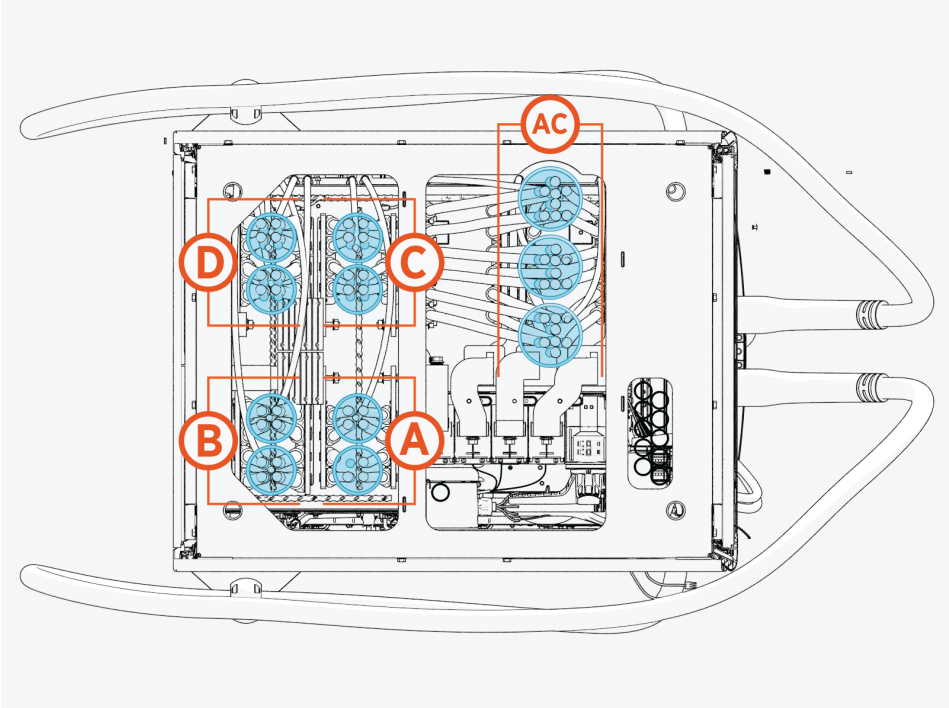
The Express Solo features an integrated system that facilitates safe and reliable communication and control:

- **Control and Communications Module (CCOM)** – This module manages the UX hardware and display. It communicates over Ethernet with external system components and manages charge sessions, user authentication, access control.
- **Power Management Controller (PMC)** – The PMC controls power flow within the system and serves as the primary interface to ChargePoint Cloud Services. It communicates with the power converters and the contactor matrix to manage the delivery of power to the EV. The PMC supports Ethernet ports for communication with various components like the CCOM, external charging dispensers, and paired Express Solo cabinets to ensure seamless operation. In the event of a fault, the PMC can instruct the power converters to stop power delivery and open the contactors to isolate the power source.
- **Neutrons** – The Neutron module serves as the insulation monitoring device and meter for the charging cables. It detects isolation faults and uses a switch to signal the Safety Hub Board (SHB).
- **Contactor Matrix** – The contactor matrix receives commands from the PMC to open or close the contactors as needed.
- **Safety Hub Board (SHB)** – In addition to processing fault reports from the Neutron, the SHB supports four dispenser ports for performing continuous electrical isolation monitoring of connected Power Link charging dispensers. Any faults detected are reported to the PMC.
- **Door Interlock Sensor** – Express Solo is equipped with a shunt trip relay that de-energizes the cabinet when doors are open. The PMC reads the door sensor status and shuts down power conversion if one of the doors is open. A safety panel sensor triggers the shunt trip if AC input voltage is present. This ensures the station powers down when the cabinet door is open.

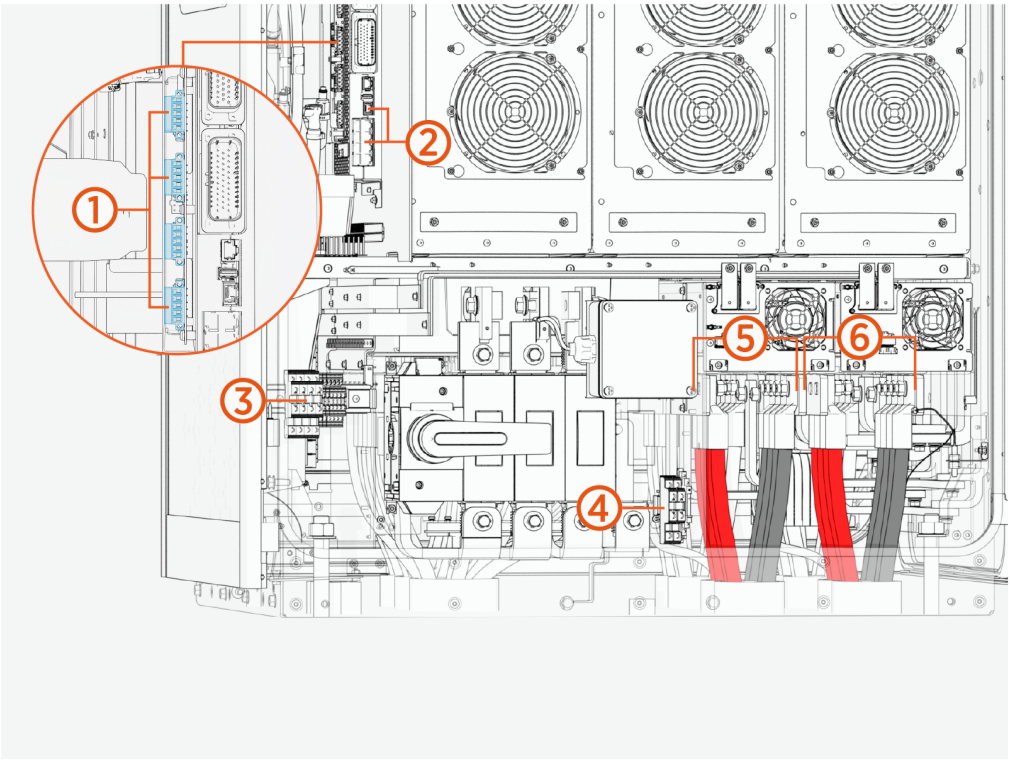
Wire Terminal and Bus Bar Locations

The Express Solo has four bus bar landings (A, B, C, and D) at the bottom of the cabinet.

- On the intake side, **A** and **B** are for the DC BUS and EXT B connections.
- On the exhaust side, **C** and **D** are for the DC BUS and EXT D connections.

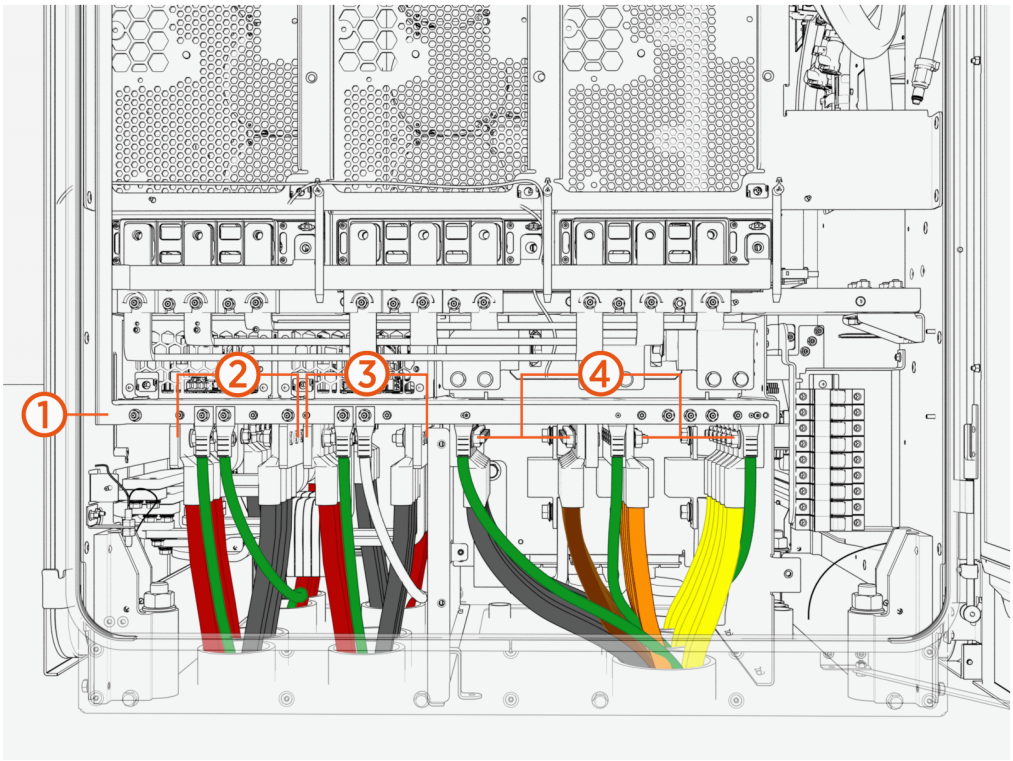


The following identifies the wire terminals and bus bars accessible from the intake side (right side) of Express Solo. (Safety shields are hidden from view.)



Ref	Part
(1)	Safety Hub ports
(2)	Ethernet ports
(3)	DC terminal block for 48 V DC, soft shutdown switch, door interlock sensor wires
(4)	Shunt trip terminals
(5)	DC BUS (intake side) bus bars A
(6)	EXT B bus bars

The following identifies the wire terminals and bus bars accessible from the exhaust side (left side) of Express Solo. (Safety shields are hidden from view.)



Ref	Part
(1)	Ground/PE bar (with wire landing studs)
(2)	EXT D bus bars
(3)	DC BUS (exhaust side) bus bars C
(4)	AC input (L1, L2, L3) and neutral bus bars

Express Distro Power Block 2000 Overview 3

The following section provides a product overview of the Power Block 2000.

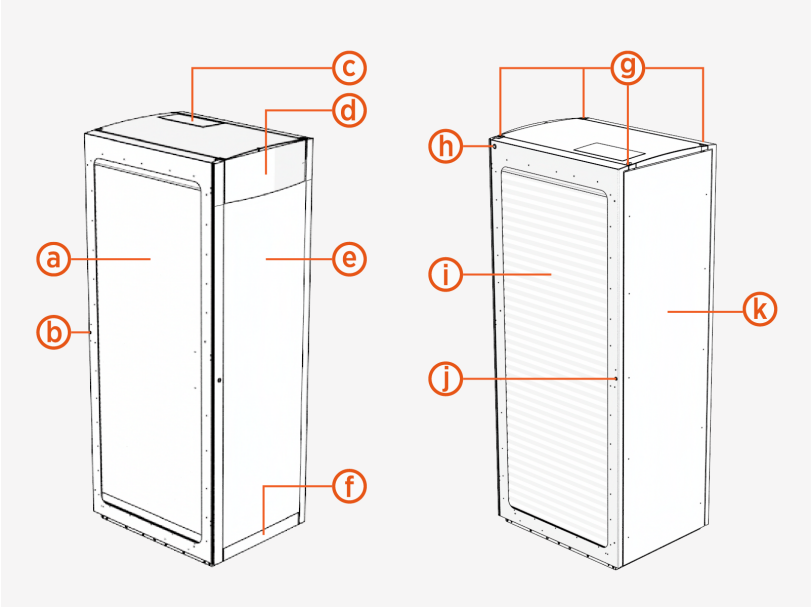
Product Description

Power Block 2000 is a product within the ChargePoint Express DC fast charging platform. Power Block 2000 is a power cabinet, responsible for AC grid connection, power conversion, and DC power distribution to downstream EVSEs such as external Power Link charging dispensers.

For information on Power Link charging dispensers and other EVSEs in the ChargePoint Express platform, refer to the Express platform documents at ChargePoint Product Reference Documentation.

Exterior Parts

The following shows an exterior view of a single-cabinet Express Distro Power Block 2000:

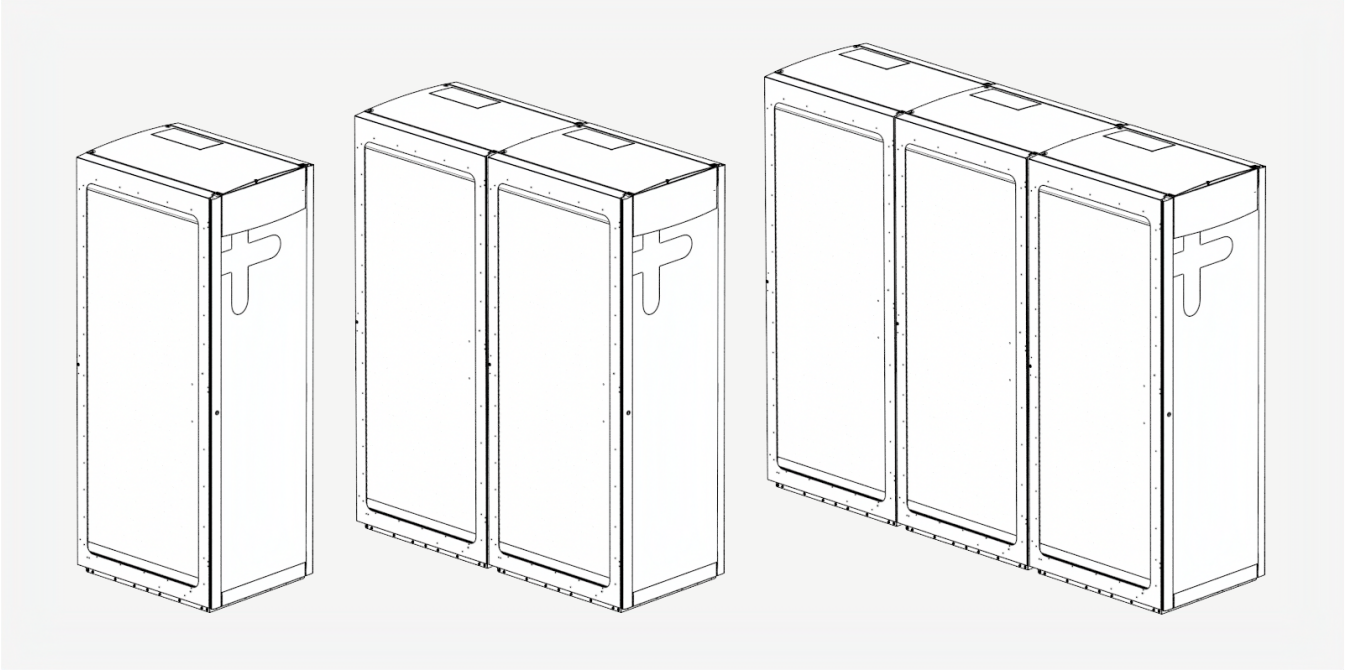


Ref	Part	Ref	Part
(a)	Exhaust (left) door with airflow vents	(g)	Lifting points
(b)	Exhaust door lock	(h)	Status LED
(c)	Smart Antenna (optional)	(i)	Intake (right) door with airflow vents

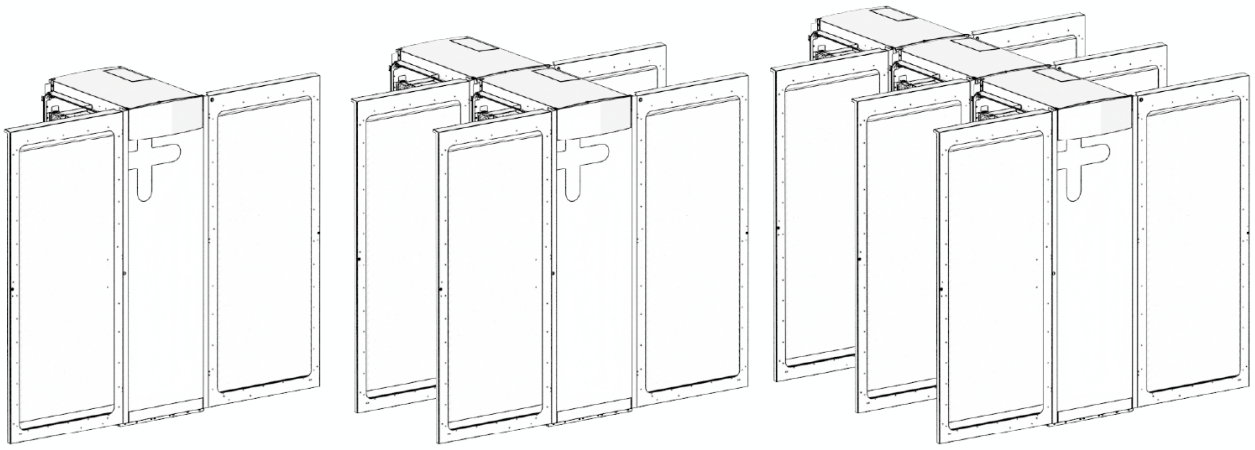
Ref	Part	Ref	Part
(d)	Logo plate (customizable)	(j)	Intake door lock
(e)	Front panel (with customizable vinyl)	(k)	Rear panel
(f)	Front bottom plate		

Cabinet Configurations

Power Block 2000 is available in single-, double-, or triple-cabinet configurations, as shown below. The double- and triple-cabinet models ship as a single integrated unit, with the cabinets factory-bolted together.

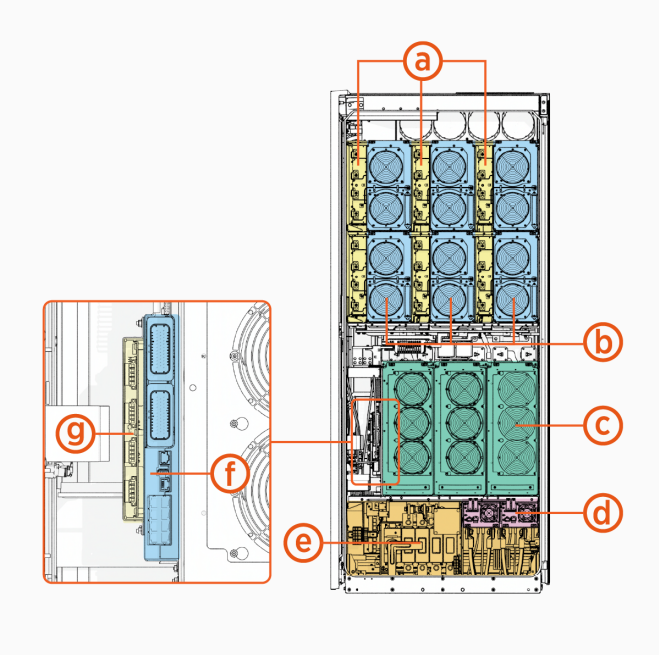


The side doors for each cabinet section swing open towards the front of the unit.

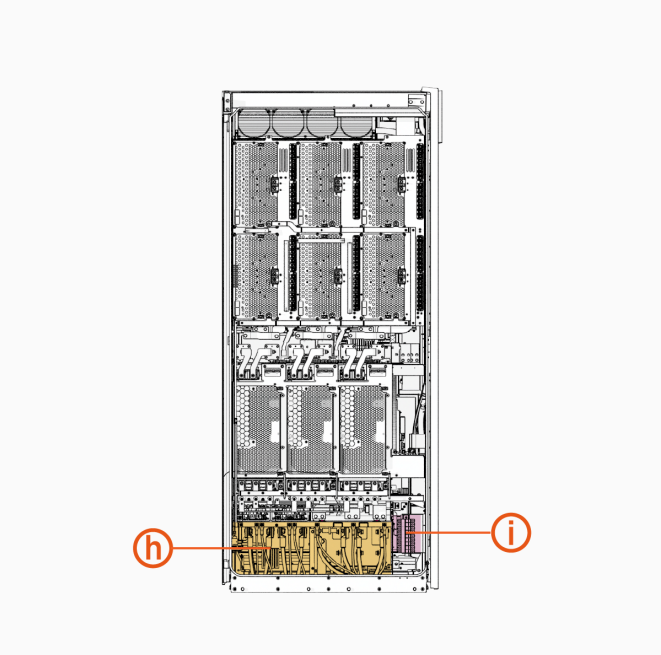


Interior Parts

The following shows the interior views of the single-cabinet Power Block 2000:



Intake (Right) Side



Exhaust (Left) Side

Ref	Part	Ref	Part
(a)	Contactor matrix	(f)	Power Management Controller (PMC)
(b)	DC power modules	(g)	Safety Hub Board (SHB)
(c)	AC power modules	(h)	Wire terminals and bus bars, exhaust side
(d)	Auxiliary Power Supply (AUX PS) modules	(i)	48 V DC fuse block
(e)	Wire terminals and bus bars, intake side		

The interior parts shown above are present in each cabinet of the double- and triple-cabinet Power Block 2000.

System Description

The Power Block 2000 intakes 3-phase AC grid power and performs power conversion with two types of modules:

- **AC Power Module** – The AC power module converts AC input power to DC output power. Up to three modules can be installed into each Power Block 2000 cabinet to scale total power capacity.
- **DC Power Module** – The DC power module is an isolated, bidirectional DC/DC converter that conditions power for delivery to downstream EVs.

The Power Block 2000 has two separate DC power distribution buses:

- **DC Grid Bus** – The DC Grid Bus is a non-isolated DC bus (up to 950 V depending on region and application). Multi-cabinet Power Block 2000s can ship with their DC Grid Buses interconnected for power sharing. DC Grid functionality is supported only on 480 V AC and 400 V AC Power Block 2000 models; 600 V AC models do not support DC Grid.
- **DC Output Bus** – The DC Output Bus is an isolated DC bus (100–1000 V) that delivers regulated output power to connected EVs. Power flow from the DC Output Bus is routed through the Contactor Matrix, which selectively connects to a set of discrete external DC outputs.

The Power Block provides the following external DC outputs:

- Power Block 2000 is available with four, eight, or twelve external DC outputs per cabinet, designated EXT A, EXT B, EXT C, and so on through EXT L.
- Each output can supply power to a single input power path of a Power Link charging dispenser.

The Power Block 2000 is equipped with an Auxiliary Power Supply (AUX PS) system:

- **Auxiliary Power Supply (AUX PS) Modules** – Each cabinet includes AUX PS modules that generate 48 V DC power for internal electronics and sub-assemblies within the unit.
- **48 V DC Output** – Each Power Block 2000 cabinet provides 48 V DC outputs for supplying power to connected Power Link charging dispensers.

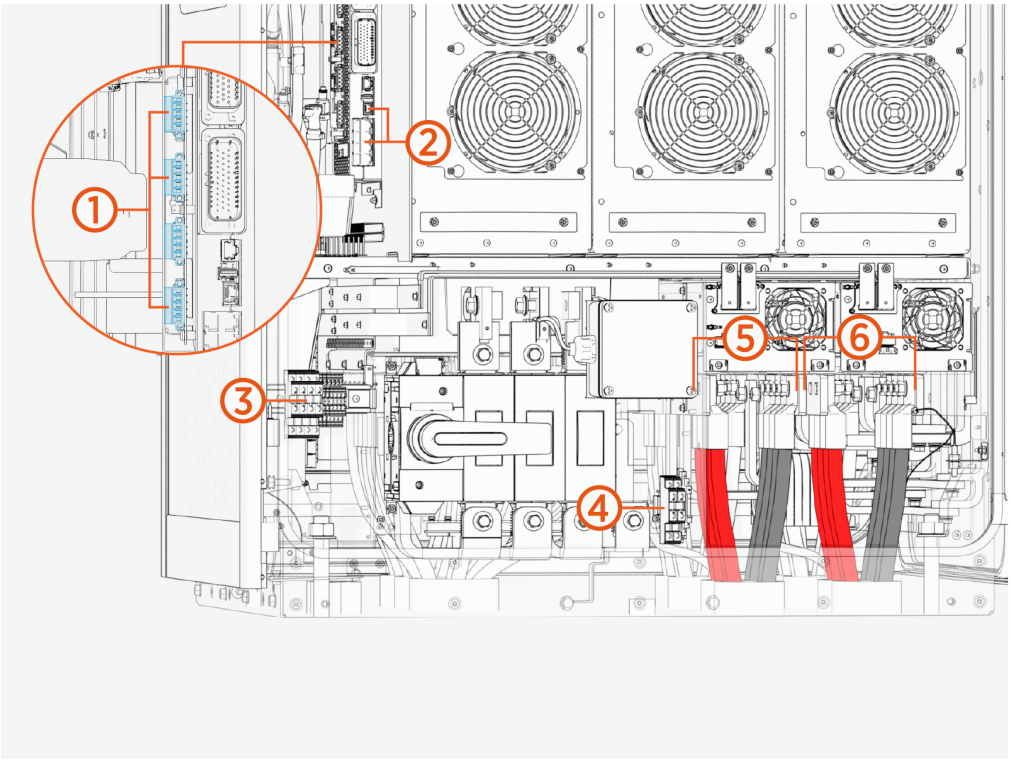
The Power Block 2000 features an integrated system that facilitates safe and reliable communication and control:

- **Power Management Controller (PMC)** – The PMC controls power flow within the system. It communicates with the power converters and the contactor matrix to manage the delivery of power to the external DC outputs. The PMC supports Ethernet ports for communication with various components like connected Power Link charging dispensers and interconnected Power Block 2000 cabinets to ensure seamless operation. In the event of a fault, the PMC can instruct the power converters to stop power delivery and open the contactors to isolate the power source.

- **Contactor Matrix** – The contactor matrix receives commands from the PMC to open or close the contactors as needed.
- **Safety Hub Board (SHB)** – In addition to processing fault reports from the Neutron, the SHB supports four dispenser ports for performing continuous electrical isolation monitoring of connected Power Link charging dispensers. Any faults detected are reported to the PMC.

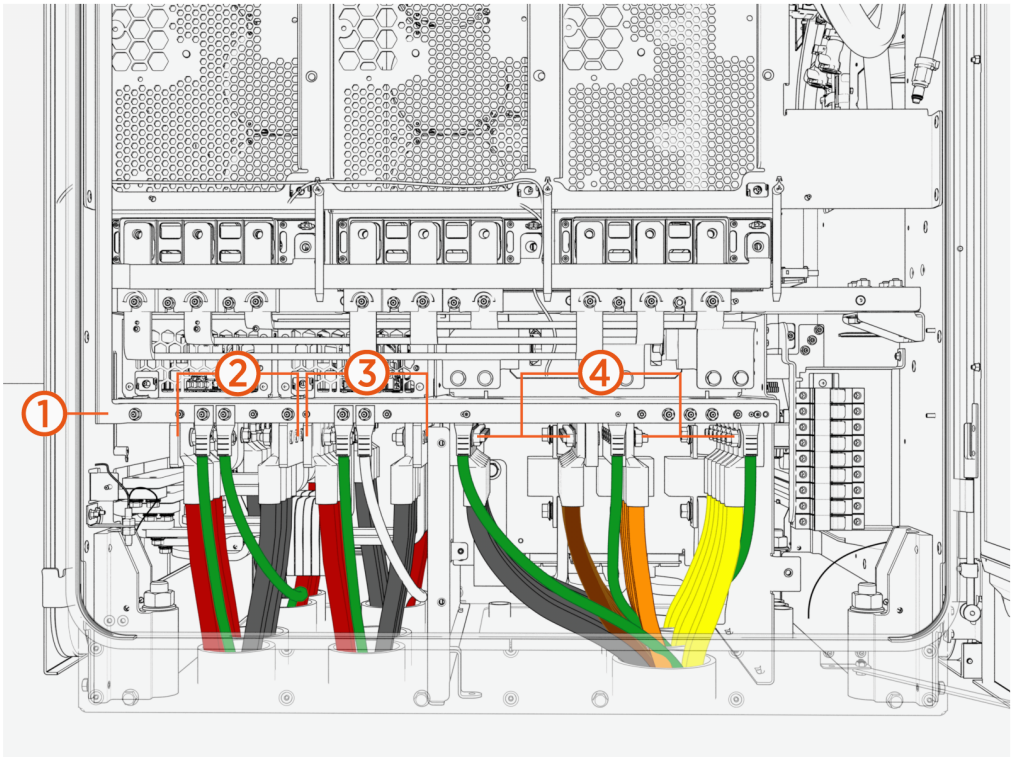
Wire Terminal and Bus Bar Locations

The following identifies the wire terminals and bus bars accessible from the intake side (right side) of Power Block 2000 (Safety shields are hidden from view).



Ref	Part
(1)	Safety Hub ports
(2)	Ethernet ports
(3)	DC terminal block for 48 V DC, soft shutdown switch, door interlock sensor wires
(4)	Shunt trip terminals
(5)	EXT A bus bars
(6)	EXT B bus bars

The following identifies the wire ports, terminals, and bus bars accessible from the exhaust side (left side) of each Power Block 2000 cabinet (Safety shields are hidden from view).



Ref	Part
(1)	Ground/PE bar (with wire landing studs)
(2)	EXT D bus bars
(3)	EXT C bus bars
(4)	AC input (L1, L2, L3) and neutral bus bars

Power Off 4

Before powering off Express Solo/Power Block 2000, check whether the unit has a DC BUS connection to determine the scope of shutdown.

- Units with DC BUS connection (Express Solo paired): Apply all shutdown and safety steps to the entire cluster.
- Units without DC BUS connection: Apply shutdown and safety steps only to the unit under service.

WARNING: Always wear appropriate Personal Protective Equipment (PPE) before beginning any service activity. Failure to wear appropriate PPE may result in personal injury.

IMPORTANT: Disconnect all connected electric vehicles (EVs) from the unit being serviced. Restrict access to the associated dispenser parking space to prevent unauthorized use of the charging cable or charging unit during the service activity.

Required Tools and Materials


Multimeter (meter and probes rated for 1000 V)


Lockout/tagout equipment


Socket 8 mm


Torque wrench


Torx screwdriver (T30)

Disconnect Power



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.

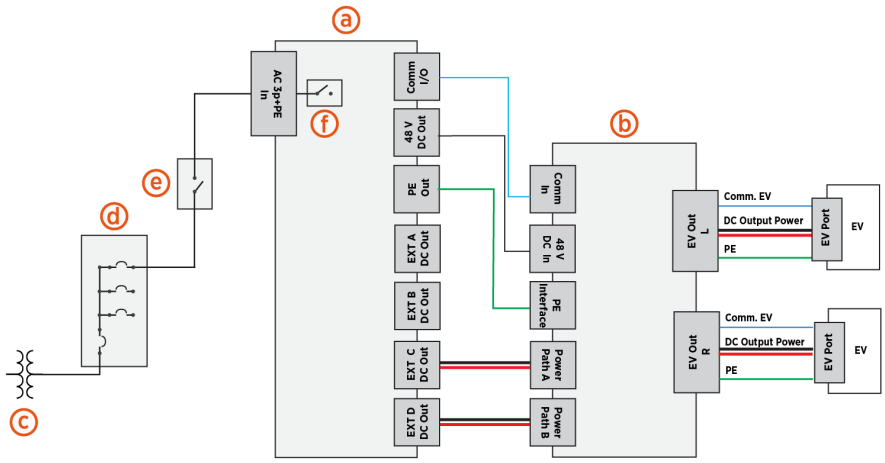
To disconnect power, complete the following steps:

1. An Express Solo or Power Block 2000 may be paired, meaning they may share power by interconnecting their internal DC Grid buses. An Express Solo or Power Block 2000 can also power one or more Power Link 2000s. A set of interconnected Express Solos, Power Block 2000s, and Power Link 2000s form a “cluster”. Refer to the site's single line diagram (SLD) and identify the following:
    a. Identify the Express Solo or Power Block 2000 that requires service.
    b. Identify if the Express Solo or Power Block 2000 is paired with another Express Solo or Power Block 2000.
    c. Identify all Power Link 2000s connected within the cluster.
2. End all charging sessions on all Power Link 2000s and Express Solos within the cluster. Block vehicle access to these stations.



CAUTION: Failure to end the charging session before beginning service could damage hardware components. Such damaged components may need to be replaced.

3. Determine where to disconnect power to the Express Solo or Power Block 2000. Refer to the site's single line diagram (SLD) and identify the location of the control elements such as circuit breakers and disconnect switches. The following illustration shows a sample electrical circuit for an Express cluster consisting of one Power Block 2000 feeding one Power Link 2000.



(a) Power Block 2000 (sample power cabinet)

(b) Power Link 2000

(c) Transformer

(d) Electrical panel with circuit breakers

(e) External AC disconnect switch (optional)

(f) Internal Disconnect switch (included in some models; otherwise, a product option)

There are three methods for disconnecting power:

- If the Express Solo / Power Block 2000 is equipped with an internal AC disconnect switch **(f)**, turn the AC disconnect switch to the OFF position.

> **DANGER:** When servicing an AC input fuse, do not use this option to disconnect power. When servicing an AC input fuse, you must use one of the two alternative options below to disconnect power.

- At the site electrical panel, turn the circuit breaker **(d)** switch to the OFF position.
- If an external AC disconnect switch **(e)** has been installed between the Express Solo / Power Block 2000 and the site electrical panel, turn the AC disconnect switch to the OFF position.

> **DANGER:** An Express Solo or Power Block 2000 may be paired with another Express Solo or Power Block 2000. Be sure to power off all paired units within the cluster. Note that electrical hazard may still be present if only one unit within a paired configuration is powered off.

4. Wait at least five minutes for energy to dissipate.
5. Verify the station is de-energized.

Check Status Light

Check the status light of the Express Solo / Power Block 2000. Ensure the status light is completely off (not glowing). Refer to the *Express Solo and Express Distro Power Block 2000 Operations and Maintenance Guide* for the location of the status light.

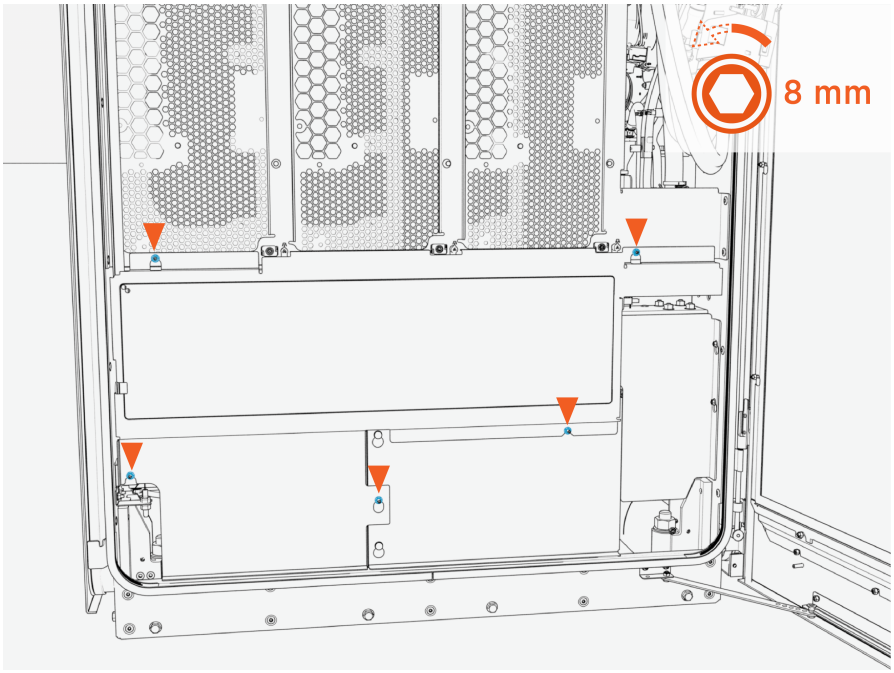


DANGER: The status light provides an initial visual indication of power cabinet status but is not confirmation that hazardous voltage is absent. Always perform a voltage check at the power path input bus bars before servicing the cabinet.

Verify the Cabinet is De-Energized

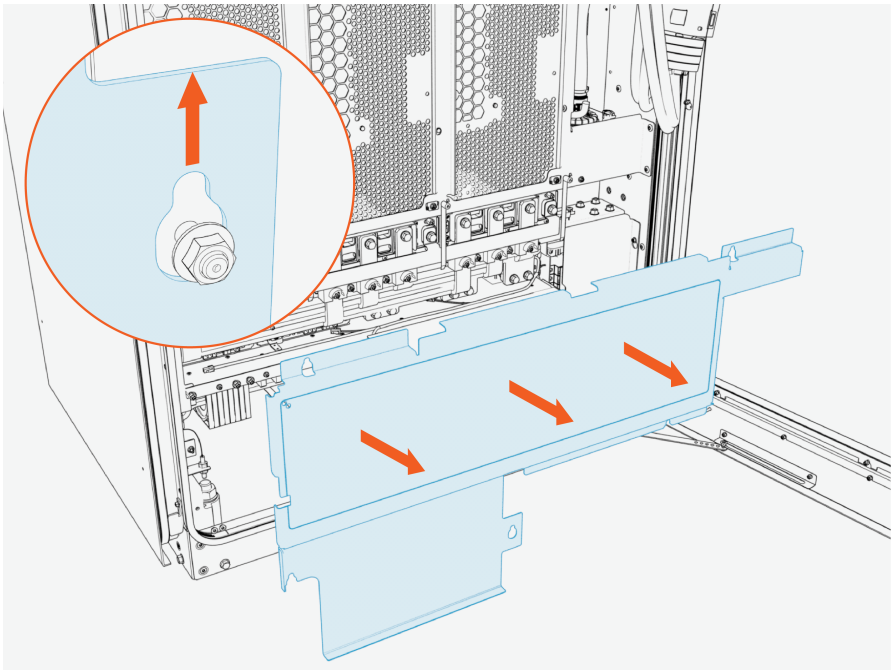
1. Open the exhaust (left) door.

2. On the exhaust (left) side of the cabinet, at the bottom of the cabinet, remove the DC bus bar safety cover.
    a. Loosen (do not remove) the M5 nuts (x5) that secure the DC bus bar safety cover.



REINSTALL NOTE: Torque the nuts to **4.5 Nm (40 in-lb).**

b. Slide the cover upward to release the keyholes. Then pull outward to remove the safety cover.

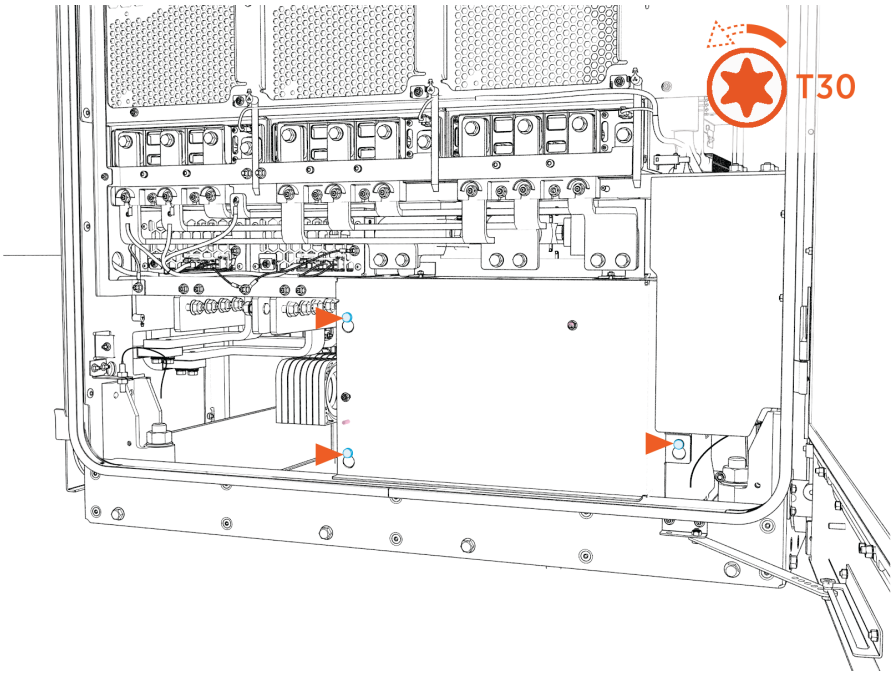


NOTE: Reverse the above steps to reinstall the safety cover after service.

3. If you are replacing an AC input fuse, remove the AC bus bars safety cover.

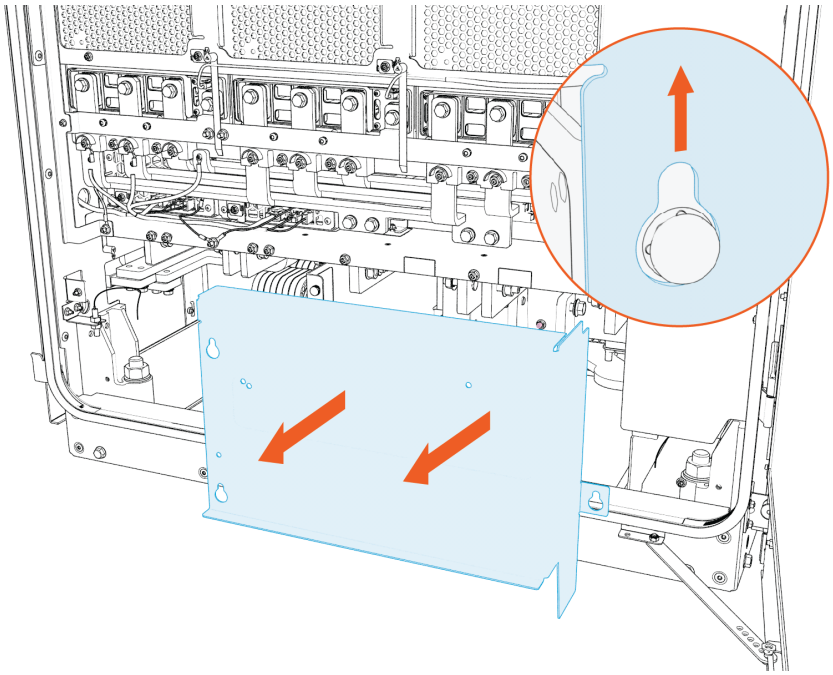
IMPORTANT: Perform this step only when replacing an AC input fuse. For all other types of service, skip this step.

a. Loosen (do not remove) the nuts (x3) that secure the AC bus bars safety cover.



REINSTALL NOTE: Torque the fasteners to **4.5 Nm (40 in-lb).**

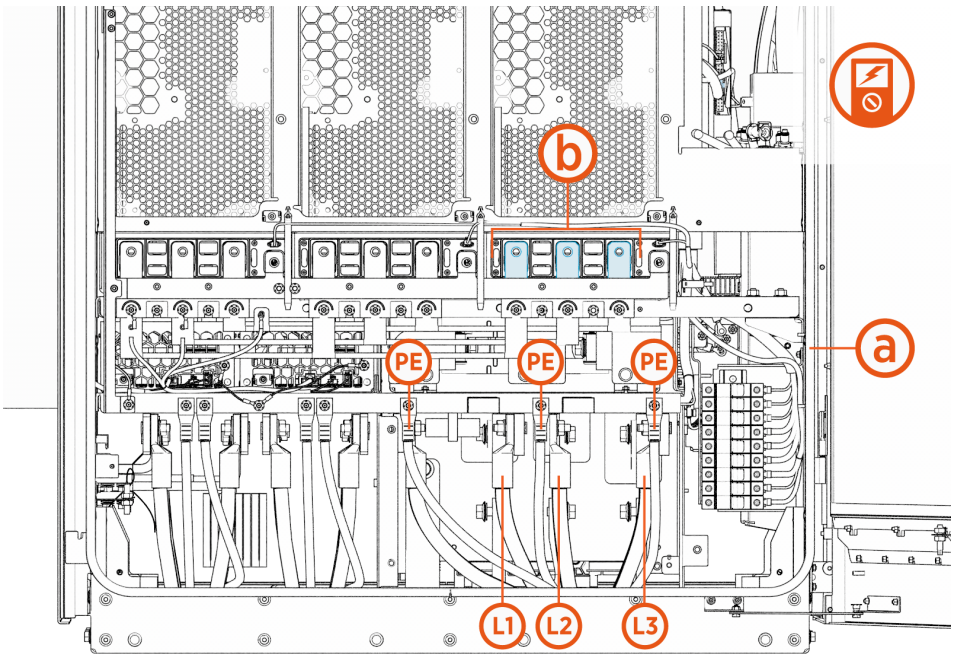
b. Slide the cover upward to release the keyholes. Then pull outward to remove the safety cover.



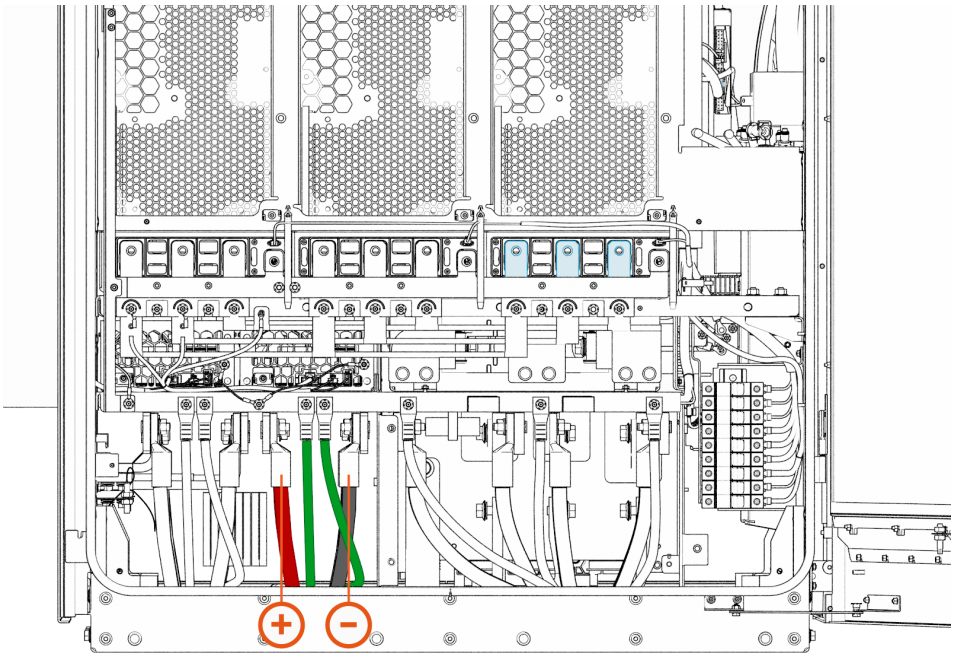
c. **Reverse the above steps to reinstall the safety cover after service.**

DANGER: Do not access internal components without first completing the steps below to confirm that the cabinet has been de-energized.

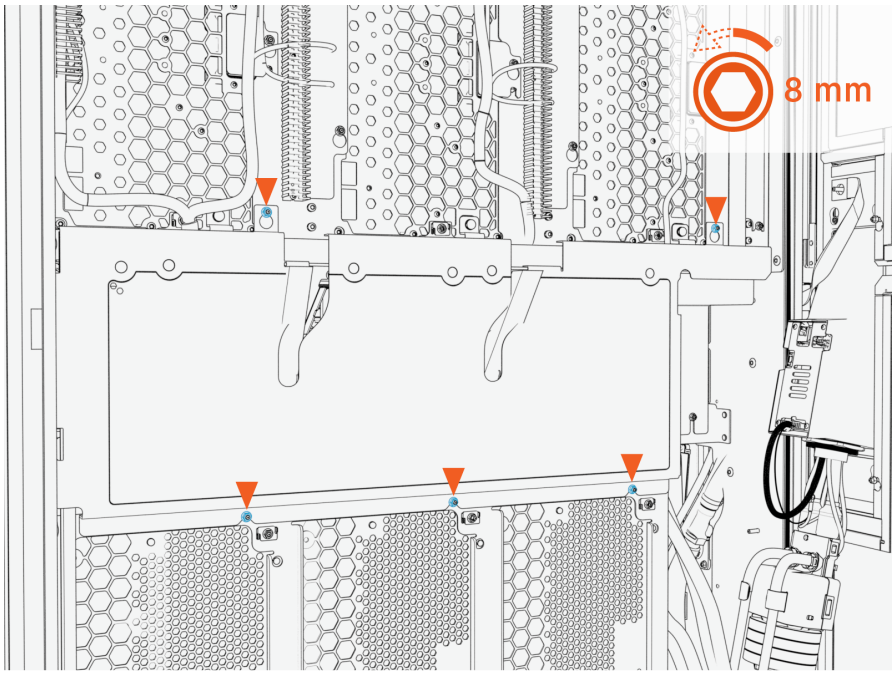
4. Using a properly rated digital multimeter (DMM), measure the AC input bus bar voltages. If the AC input bus bars safety cover is removed, measure directly at the L1, L2, L3 bus bars to PE. If the AC input bus bars cover is not removed, measure between bus bars **(b)** and chassis **(a)**. Verify the voltage is 10 V or less.



5. Measure voltage across the intake (right) side DC BUS positive (+) and negative (-) bus bars. Verify the voltage is 10 V or less.

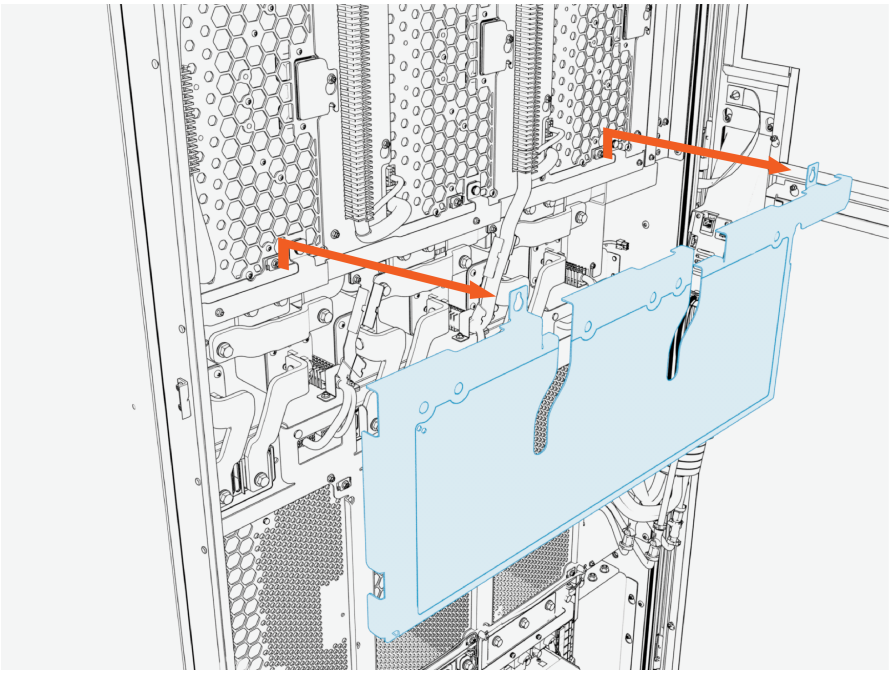


6. At the exhaust (left) side of the cabinet, move upward to the center of the cabinet and remove the DC grid safety cover.
    a. Loosen (do not remove) the M5 nuts (x5) at the DC grid safety cover.



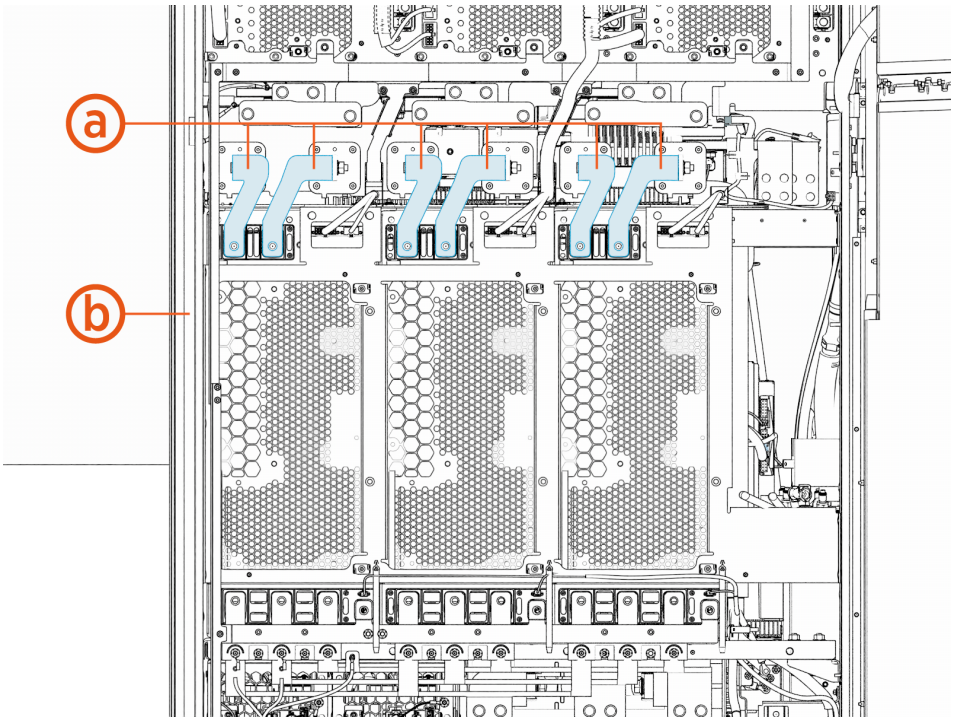
REINSTALL NOTE: Torque the fasteners to **4.5 Nm (40 in-lb).**

b. Lift the AC power-module output-cover upward from the keyslot and pull it forward to remove.



c. **Reverse the above steps to reinstall the safety cover after service.**

7. Using a properly rated digital multimeter (DMM), measure the voltage at three pairs of AC power module output bus bar **(a)** against the chassis **(b)**. Verify the voltage is 10 V or less.



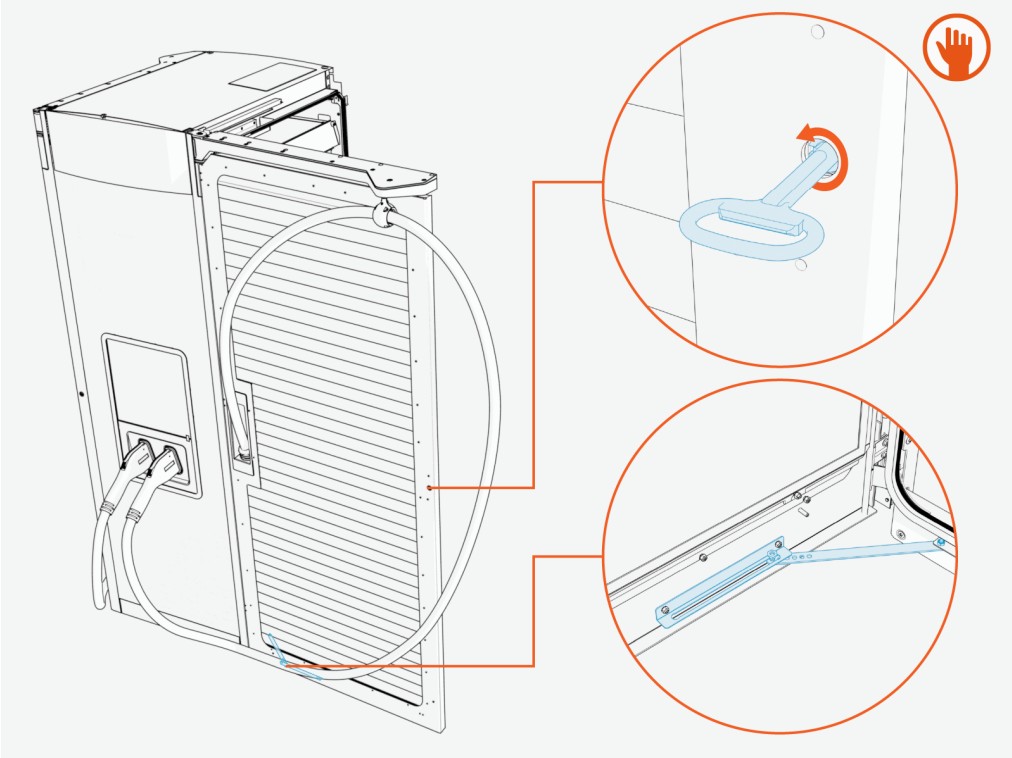
Door Operations 5

Follow steps below to open the intake, exhaust, and display doors.

Open the Intake (Right) Door

Use the door key to unlock the intake (right) door, then swing the door open until the door stopper secures it in the open position.

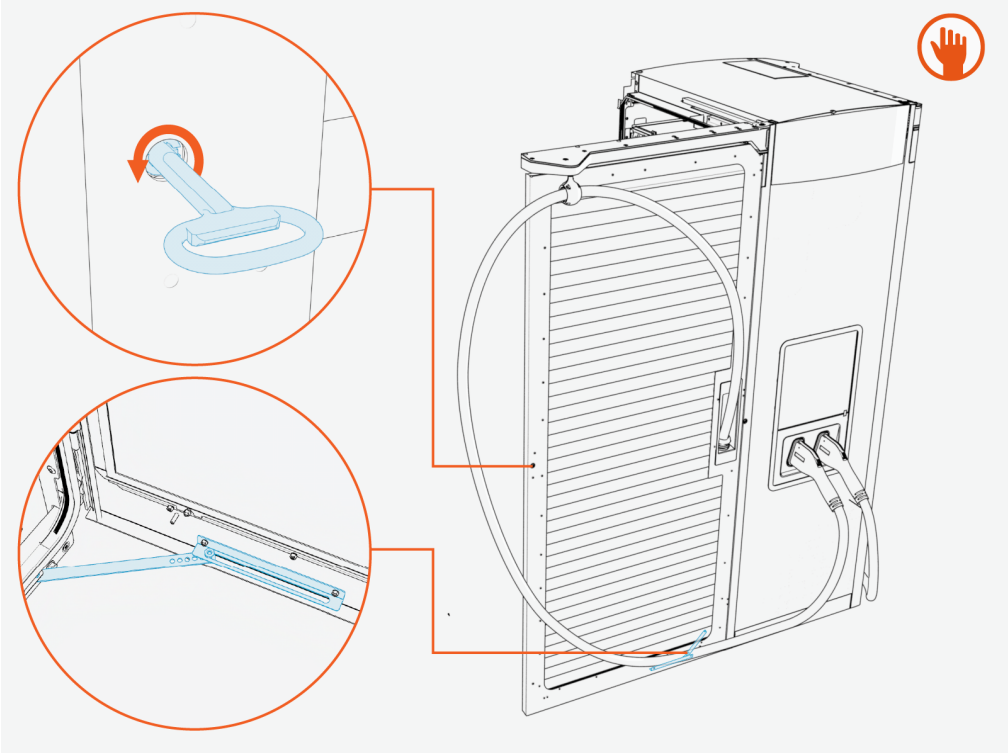
NOTE: Raise the door stopper to disengage it. Then, reverse the above step to close the Intake door after maintenance.



Open the Exhaust (Left) Door

Use the door key to unlock the exhaust (left) door, then swing the door open until the door stopper secures it in the open position.

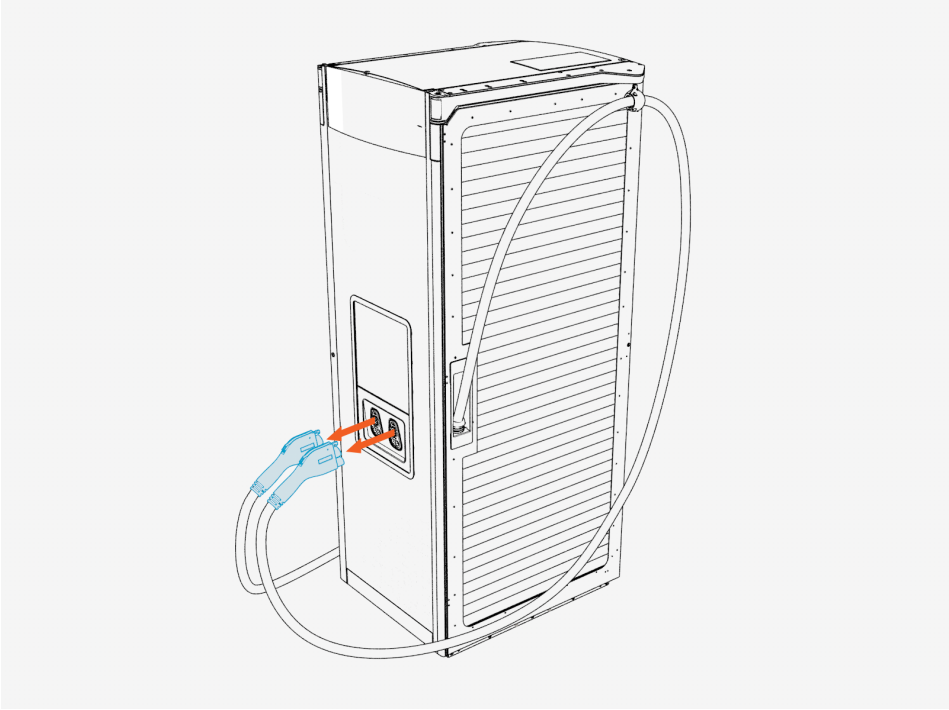
NOTE: Raise the door stopper to disengage it. Then, reverse the above step to close the exhaust door after maintenance.



Open the Display Door

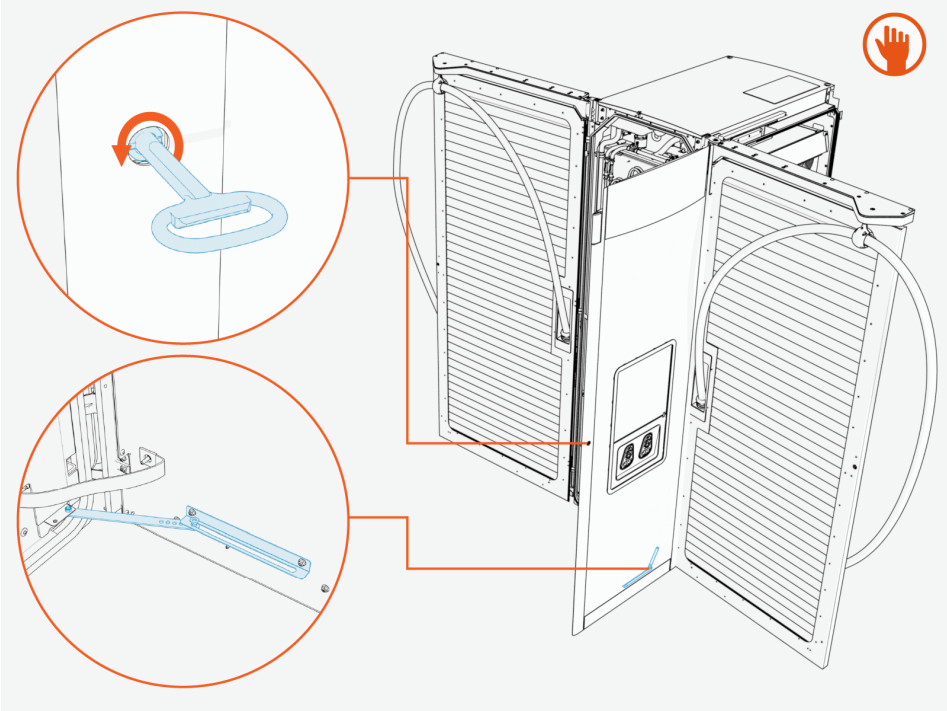
1. Detach the charging cable connectors from the holsters.

> **NOTE:** ChargePoint recommends wrapping the charging connectors with a protective bag or cover. Set the charging connectors down where they will not be damaged during service.



2. Use the door key to unlock the display (front side) door. Swing the display door open until the door stopper holds the door in open position.

> **NOTE:** Raise the door stopper to disengage it. Then, reverse the above steps to close the display door after maintenance.



AC Power Module 6

Required Tools and Materials


Socket (8 mm and 13 mm)


Torque wrench


Module lifter

NOTE: Installing the AC Power Module requires at least two people.

Before You Begin

1. Power Off.

   NOTE: Wait at least five minutes for energy to dissipate.

2. Open the intake (right) and exhaust (left) doors.

After replacing the components, reverse the above steps to complete the service.

IMPORTANT:

- Complete the post-service checklist. The checklist is available at ChargePoint Product Reference Documentation.
- Contact ChargePoint regarding faulty part return.

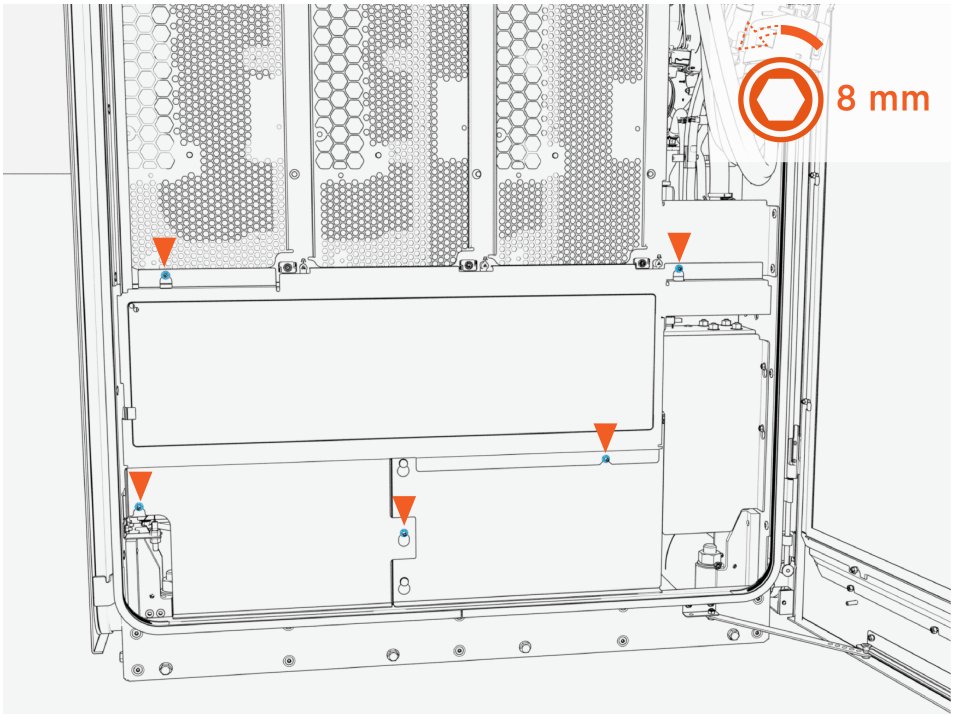
Remove the Safety Covers

Carefully remove the following safety covers:

External DC Bus Bars Safety Cover - Exhaust Side

Perform the following actions on the exhaust (left) side of the cabinet:

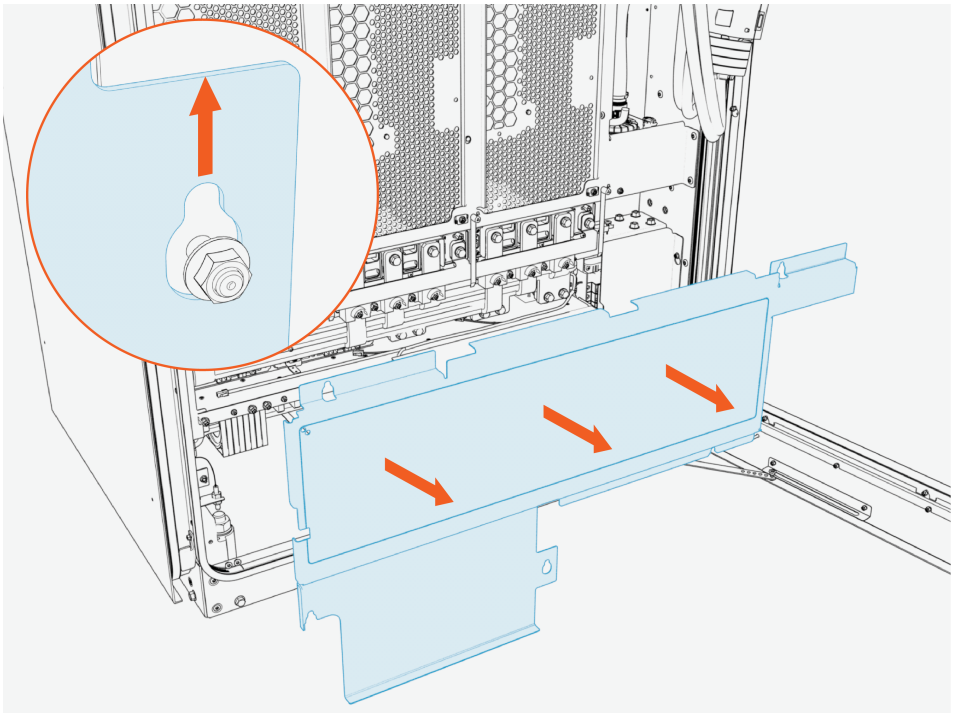
1. Loosen (do not remove) the M5 nuts (x5) that secure the DC bus bar safety cover.



REINSTALL NOTE: Torque the nuts to **4.5 Nm (40 in-lb).**

IMPORTANT: Do not use impact driver to tighten fasteners.

2. Slide the cover upward to release the keyholes. Then pull forward to remove the safety cover.

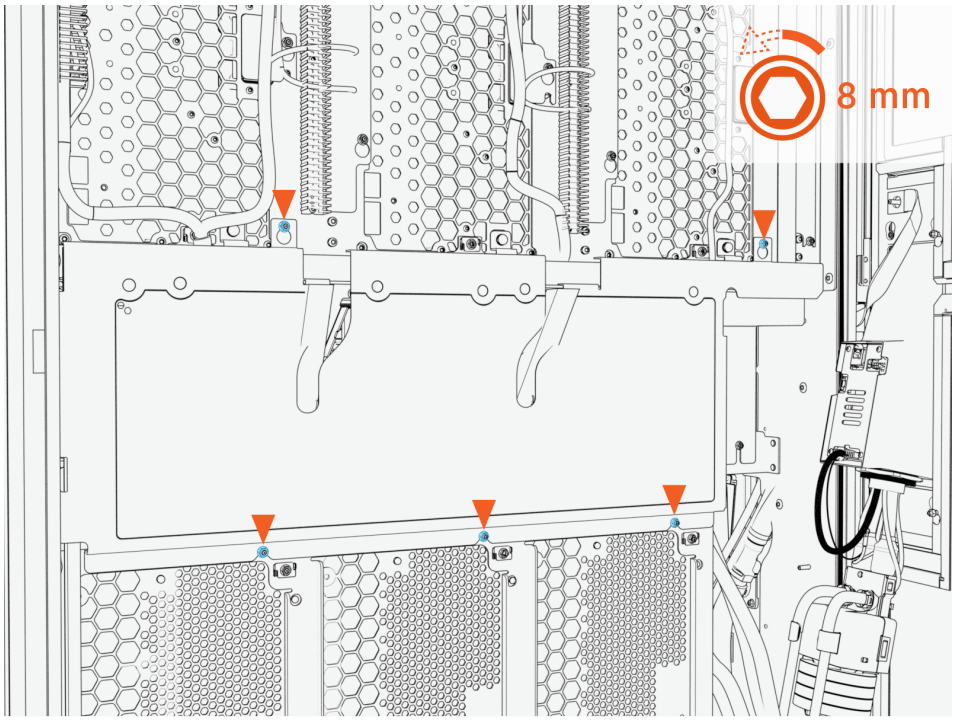


3. **Reverse the above steps to reinstall the safety cover after service.**

DC Grid Safety Cover

Perform the following actions on the exhaust (left) side of the cabinet:

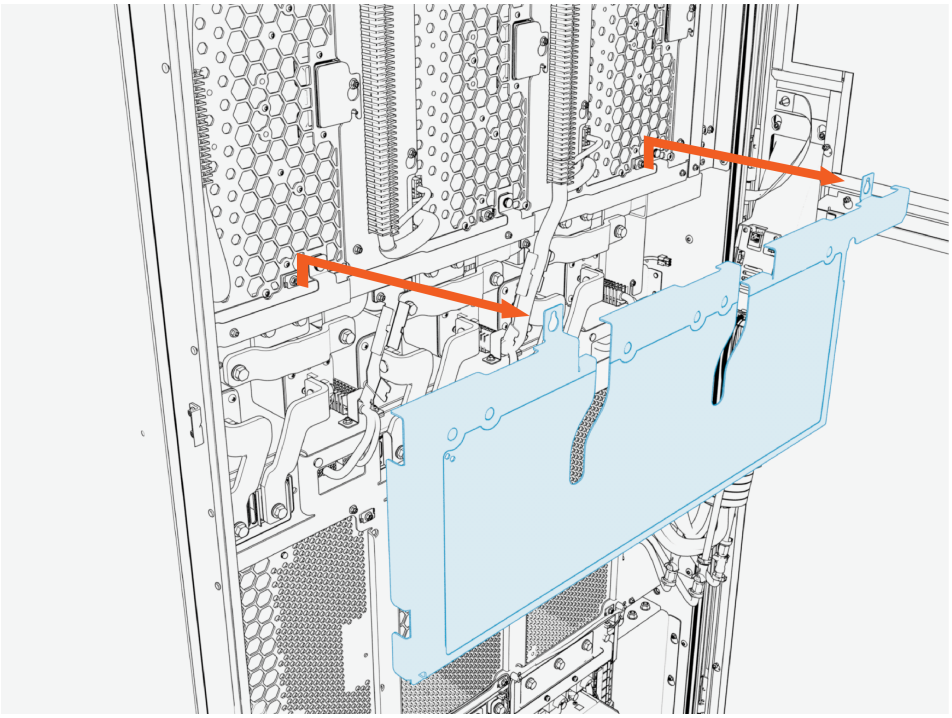
1. Loosen (do not remove) the M5 nuts (x5).



REINSTALL NOTE: Torque the nuts to **4.5 Nm (40 in-lb).**

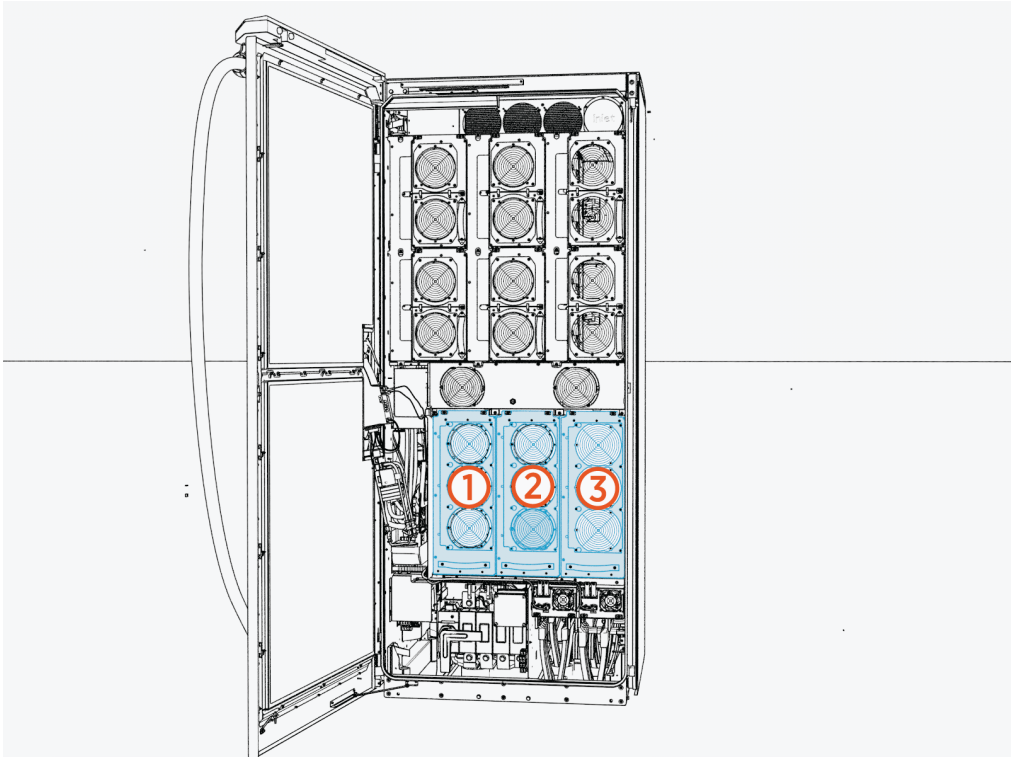
IMPORTANT: Do not use impact driver to tighten fasteners.

2. Lift the DC grid safety cover upward from the keyslot and pull it forward to remove.



3. **Reverse the above steps to reinstall the safety cover after service.**

Identify Target AC Power Module

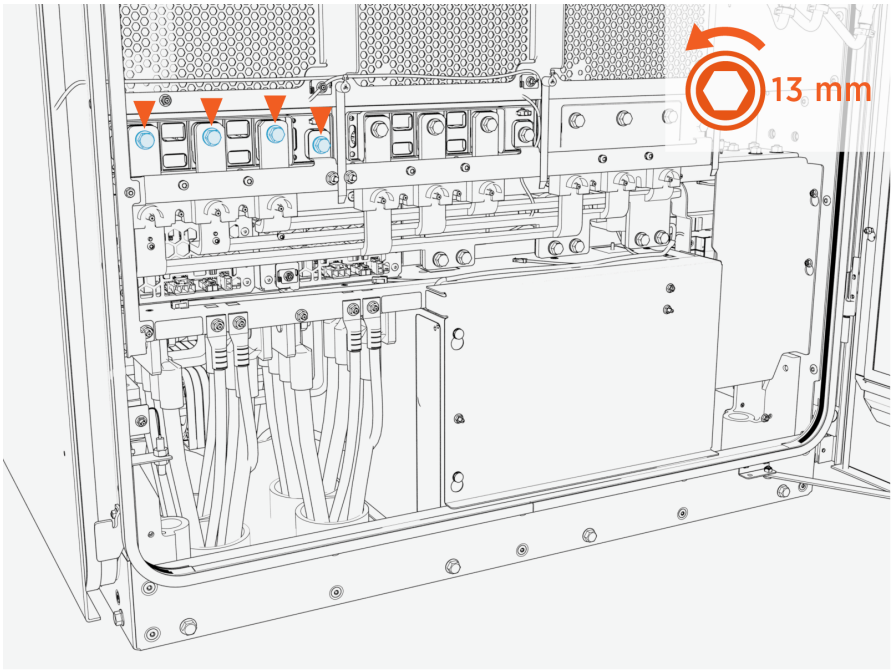


NOTE: The Express Solo contains three AC power modules. The following procedure applies to one module. Repeat the same steps for the other modules, as required.

Remove the AC Power Module

To remove the AC power module for replacement, follow these steps:

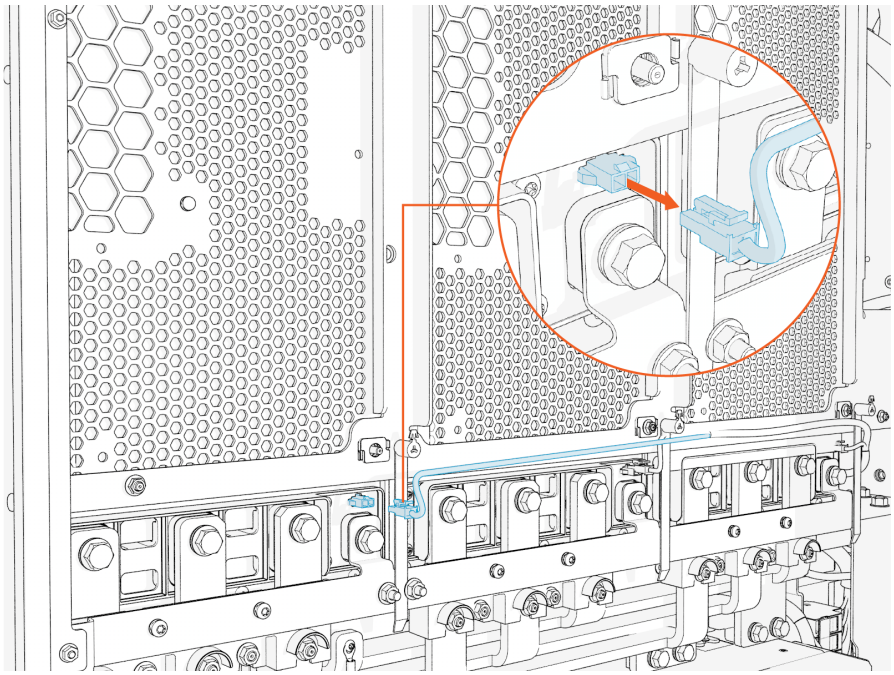
1. Perform the following actions on the exhaust (left) side of the cabinet:
    a. Remove the M8 bolts (x4) from the bus bars. Keep the bolts for reuse.



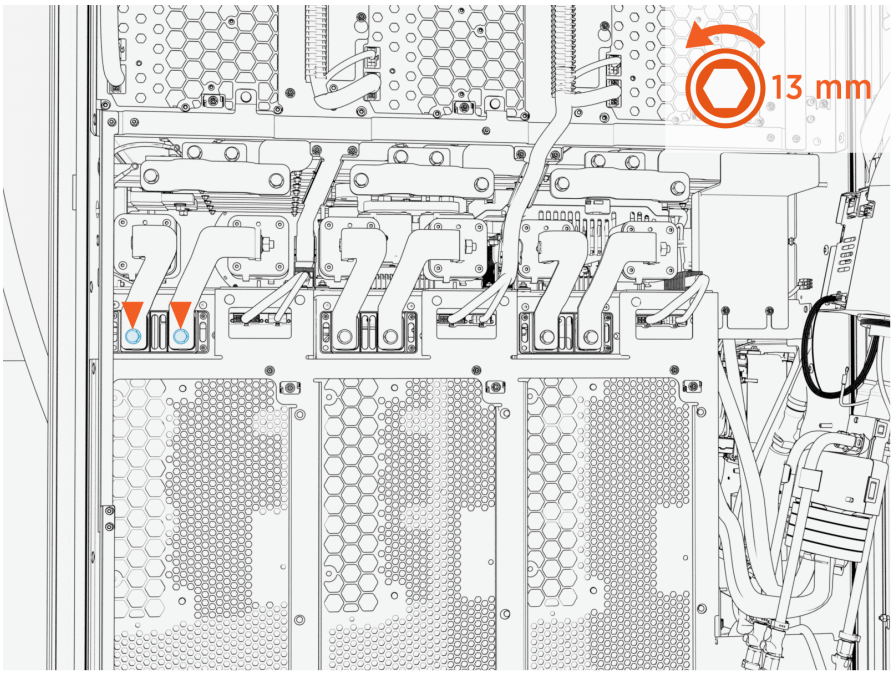
REINSTALL NOTE: Torque the bolts to **12.2 Nm (108 in-lb)**. Mark all torqued bolts.

IMPORTANT: Do not use impact driver to tighten fasteners.

b. Disconnect the neutral cable. If the connector is stuck, first push the connector in, then depress the thumb tab, then pull the connector out.



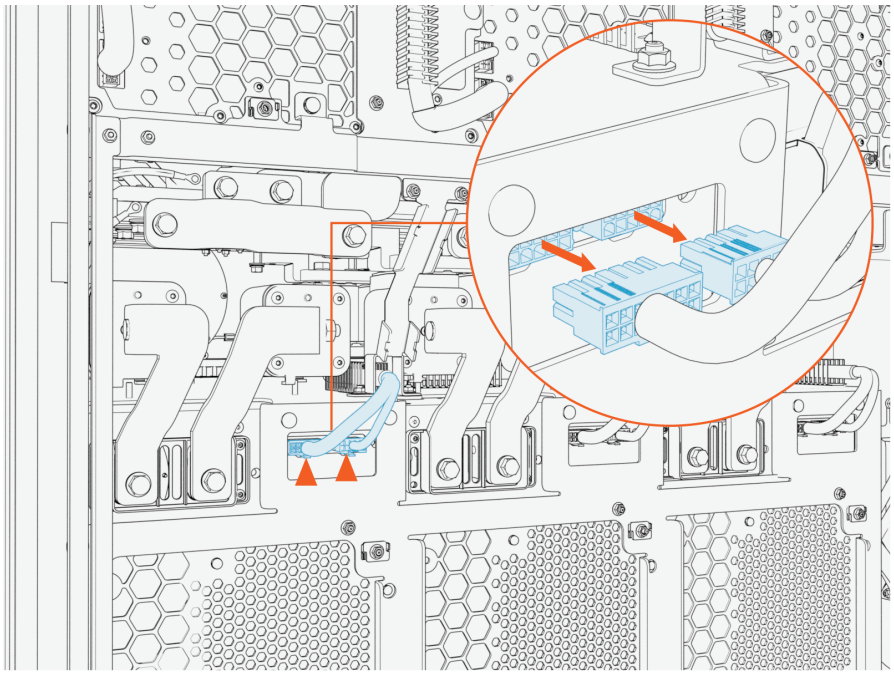
c. Remove the M8 bolts (x2) from the AC power module DC output positive (+) and negative (-) terminals.



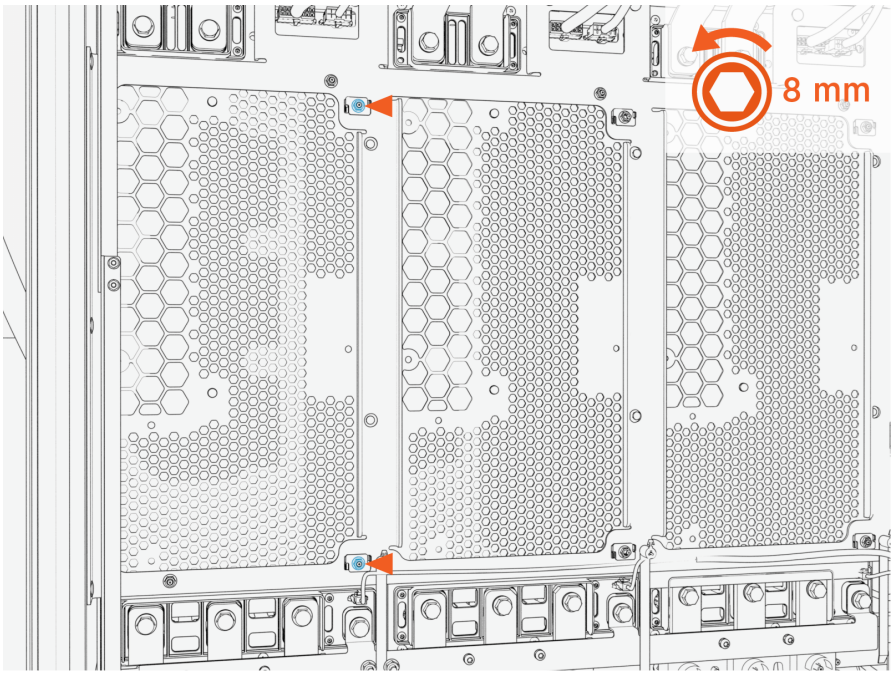
REINSTALL NOTE: Torque the bolts to **12.2 Nm (108 in-lb)**. Mark all torqued bolts.

IMPORTANT: Do not use impact driver to tighten fasteners.

d. Disconnect the low-voltage connectors.



e. Remove the M5 nuts (x2) from the lower backplate.

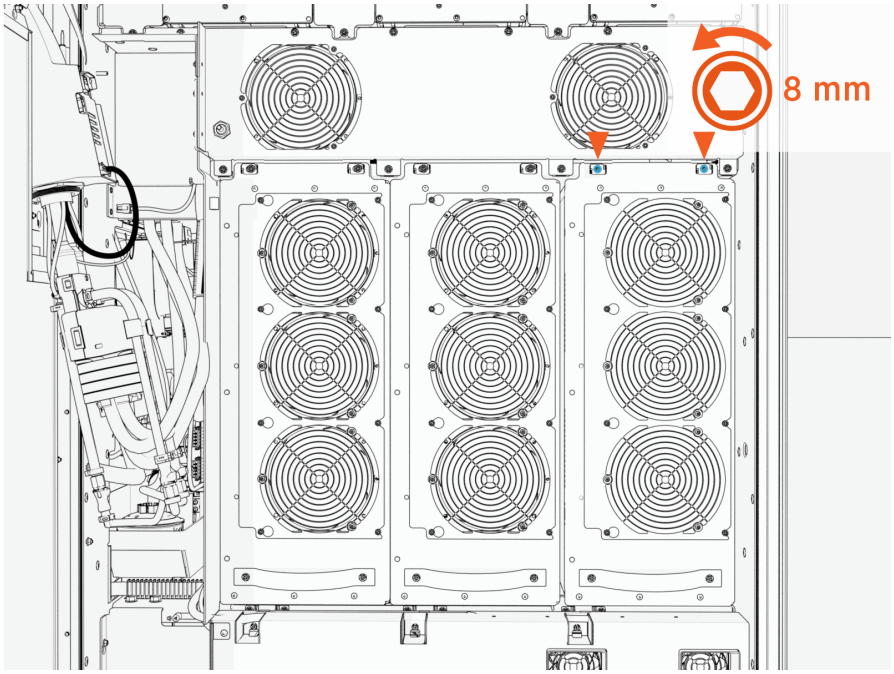


REINSTALL NOTE: When reinstalling, hand-tighten the M5 nuts onto the threaded studs first. Then use a tool to torque the nuts to the specified torque value.

REINSTALL NOTE: Torque the nuts to **4.5 Nm (40 in-lb).**

IMPORTANT: Do not use impact driver to tighten fasteners.

2. Perform the following actions on the intake (right) side of the cabinet:
    a. Remove the M5 nuts (x2) from the AC power module enclosure.



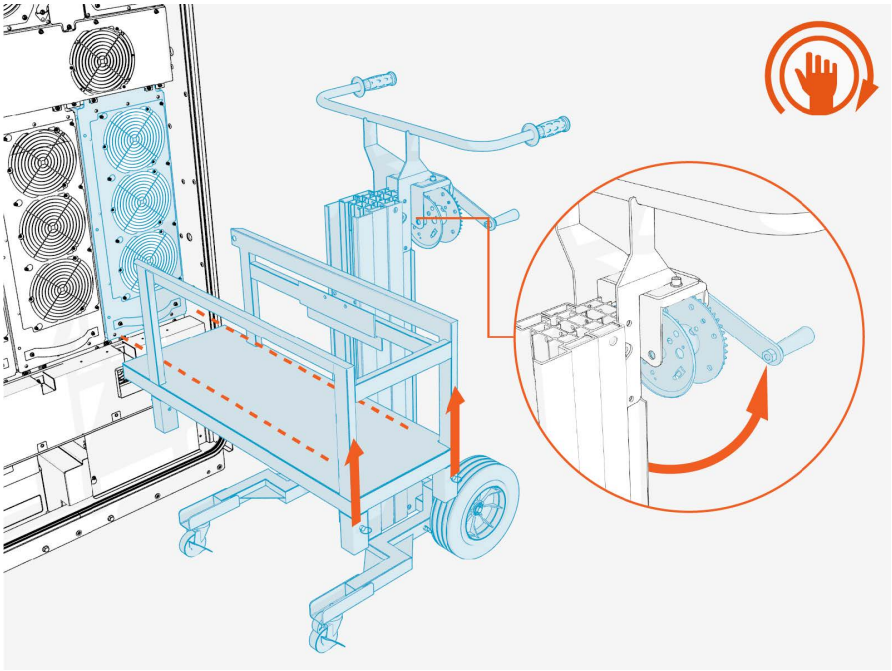
REINSTALL NOTE: Torque the nuts to **4.5 Nm (40 in-lb).**

IMPORTANT: Do not use impact driver to tighten fasteners.

b. Position the module lift to support the faulty module as the module is slid out of the enclosure. Use the module lifter to support the AC power module, crank the shaft to raise the platform from lower to higher level.

WARNING: Align the lift platform with the bottom of the module. Do not allow the module to drop onto the lift. The module weighs approximately 93 kg (205 lb), and shall be slid onto the lift cart in a controlled manner. Misalignment may cause the module to drop, resulting in injury or equipment damage.

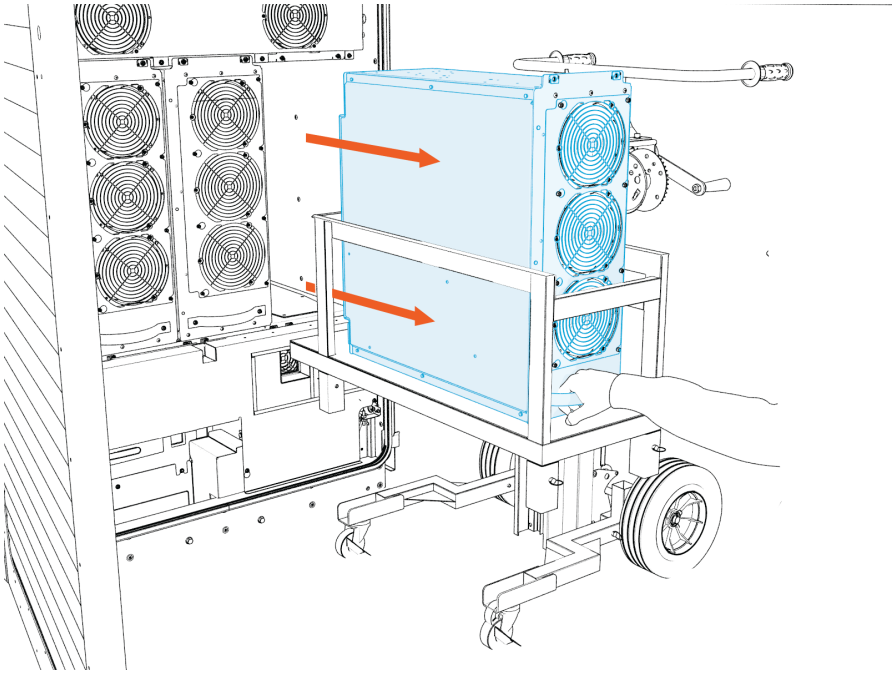
WARNING: Use extreme care when positioning the module lift and when raising or lowering the module. Do not allow any part of the module lift, module, or lift hardware to contact the Express Solo cabinet. Exercise additional caution when servicing modules adjacent to the cabinet door, as door-mounted components can be easily damaged by even minor contact or impact.



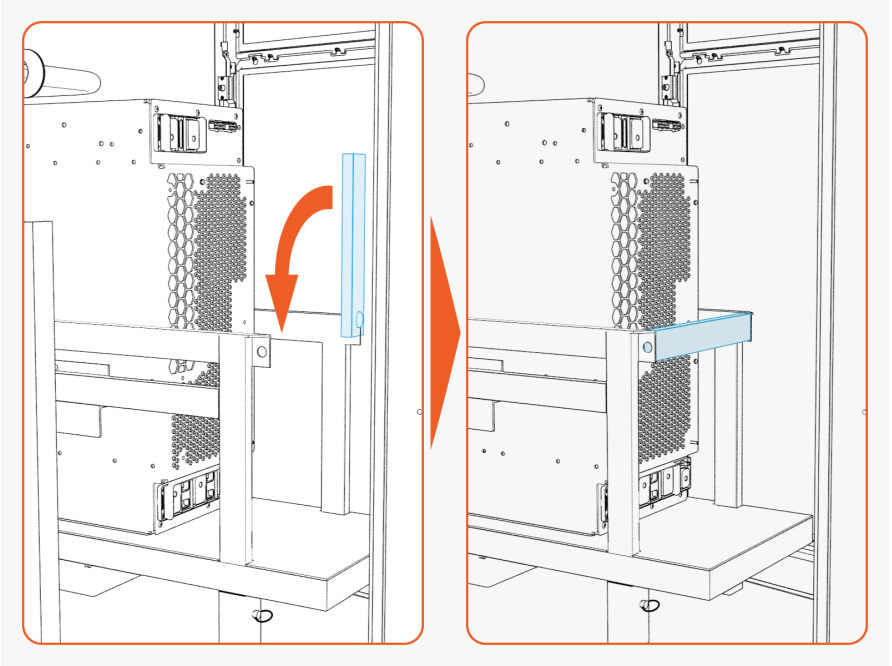
c. Position a person on the exhaust (left) side of the cabinet. This person will assist with pushing the module out of the cabinet (next step).

d. Pull the AC power module straight out of the enclosure and support the module in the lifter platform.

> **WARNING:** Before sliding out the module, verify that all cables and connectors are disconnected. Moving the module while connected can result in equipment damage.



e. Lock the module lifter platform.

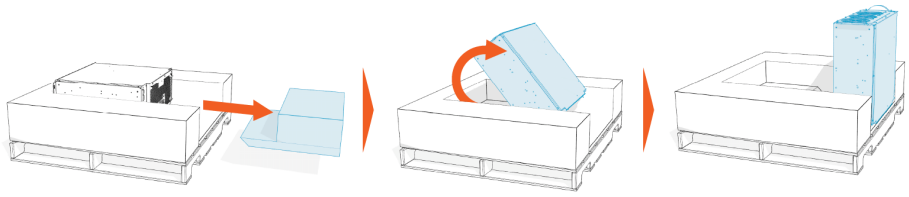


f. Once the module is fully supported by the module lift platform, verify that sufficient clearance exists between the platform and all cabinet components. If necessary, carefully move the module lift away from the enclosure to provide adequate clearance. Then lower the platform to its lowest position before transporting the module.

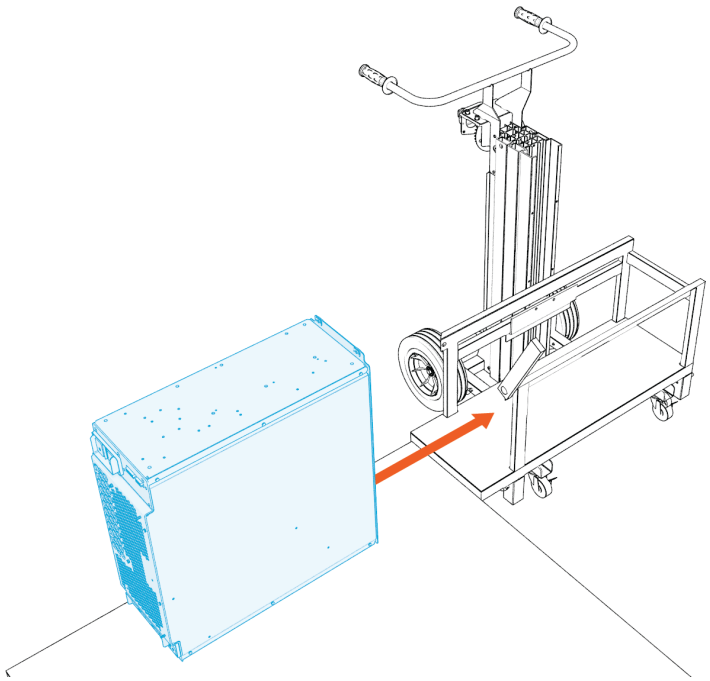
> **IMPORTANT:** Lowering the platform reduces the center of gravity and helps prevent cart tip-over when traveling over uneven surfaces.

Installation of AC Power Module

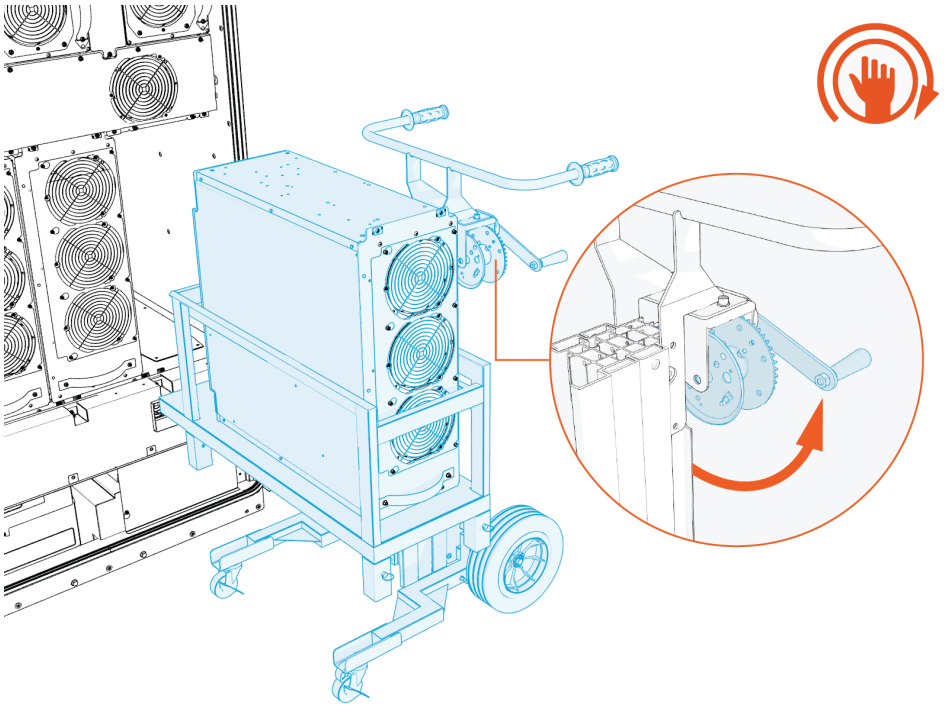
1. Unpack the new AC power module from the crate.
2. Remove the foam pad and rotate the AC power module vertically.



3. Slide the AC power module onto the module lifter at lower carrier position.

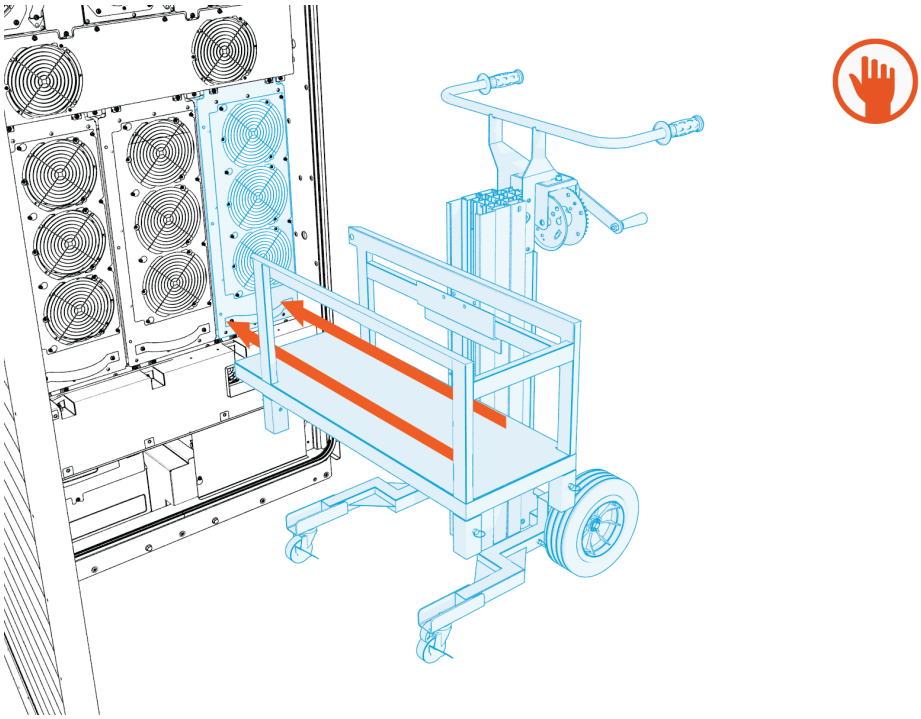


4. Position the lift in front of the empty bay, and then use the crank shaft to raise the AC power module so that it is level with the bay.

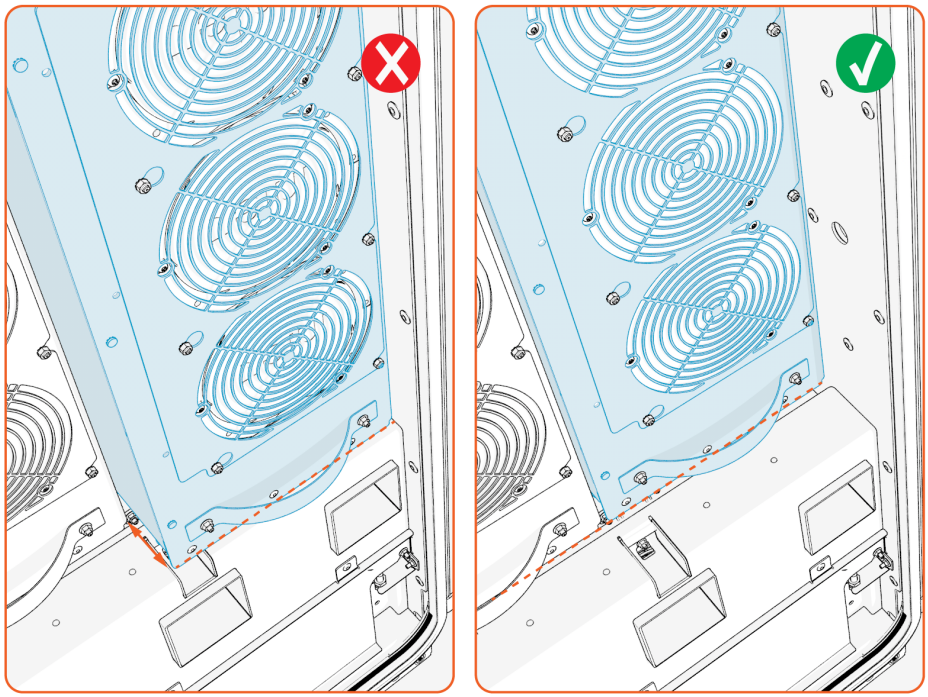


5. Position a second person on the other side of the cabinet (the exhaust/left side of the cabinet). This person will assist monitor the module as it is installed into the cabinet.

6. Slide the AC power module most of the way into the bay, leaving only the last 2 inches hanging out of the bay.

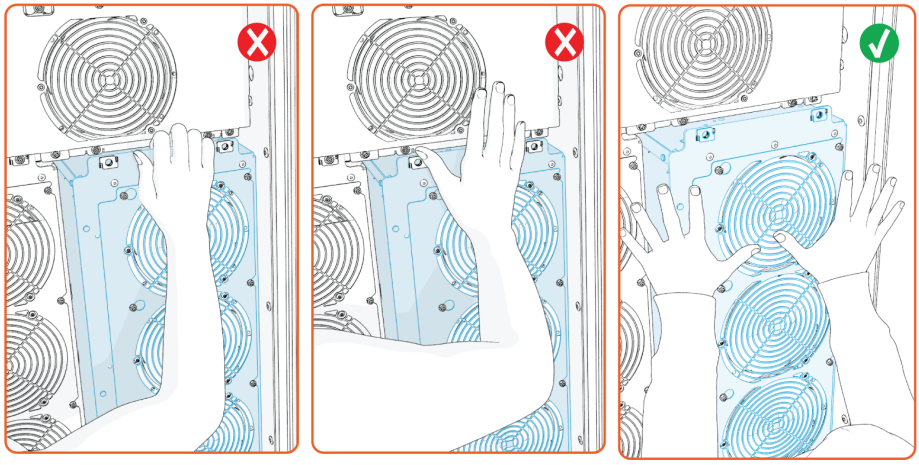


7. When moving the replacement module from the lift cart into the bay, do not allow the module weight to rest on the AC safety cover. The AC safety cover is not designed to support load.



8. After ensuring the module is stable in the bay, remove the lift from the work area and position yourself in front of the module. Push the module fully into the bay.

> **CAUTION:** The module is heavy and can cause injury if handled improperly. Keep hands and fingers clear of pinch points when sliding the module into the bay. To avoid damaging the module, do not apply pressure to the fan grilles. Push the module into position using only the solid frame.



9. **Reverse the removal procedure to reconnect all cables, terminals and bus bar connections.**

DC Power Module 7

Required Tools and Materials


Socket (8 mm and 10 mm)


Torque wrench


Ladder


Module lifter


Torx screwdriver (T30)


Torque screwdriver


Short angle ratchet (T30)


NOTE: Installing the DC Power Module requires at least two people.

Before You Begin

1. Power Off.


NOTE: Wait at least five minutes for energy to dissipate.

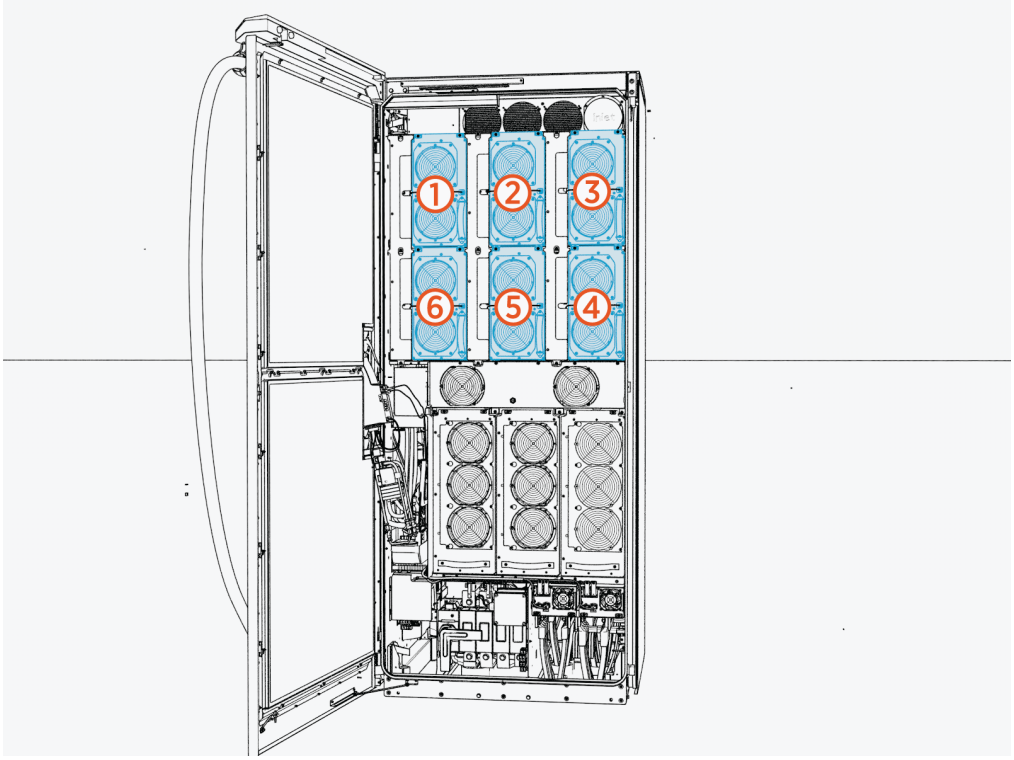
2. Open the intake (right) and exhaust (left) doors.

After replacing the components, reverse the above steps to complete the service.


IMPORTANT:

- Complete the post-service checklist. The checklist is available at ChargePoint Product Reference Documentation.
- Contact ChargePoint regarding faulty part return.

Identify Target DC Power Module

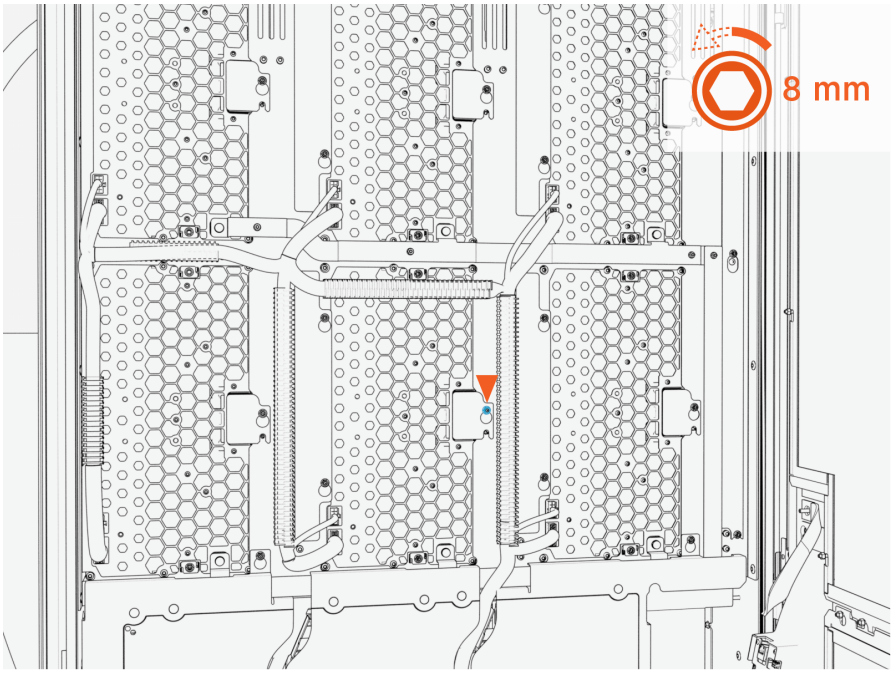


NOTE: The Express Solo contains up to six DC power modules. The following procedure applies to one module. Repeat the same steps for the other modules, as required.

Remove the DC Power Module

To remove the DC power module for replacement, follow these steps:

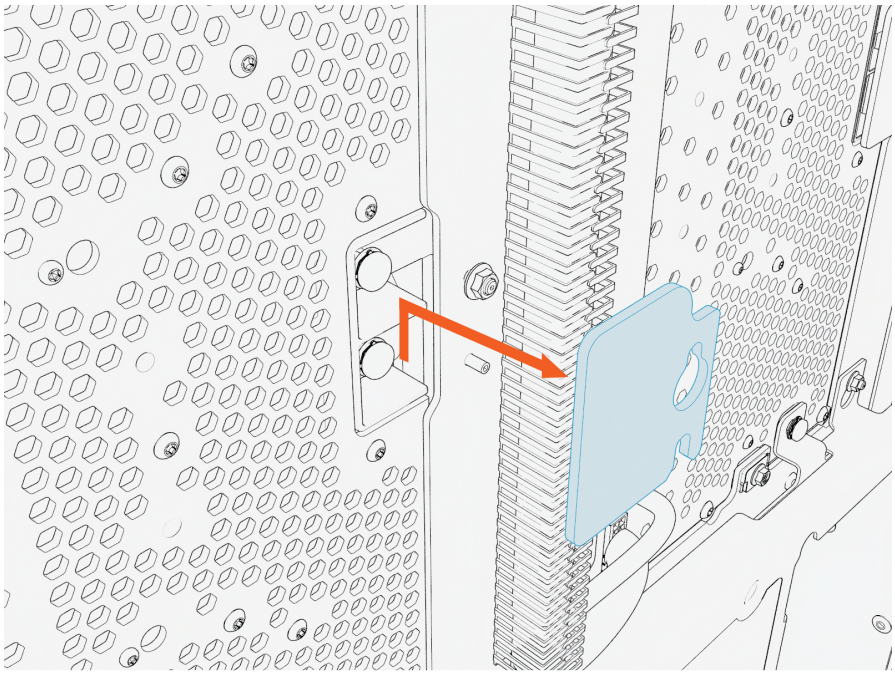
1. Perform the following actions on the exhaust (left) side of the cabinet:
    a. Loosen the M5 nut from the DC power module input cover.



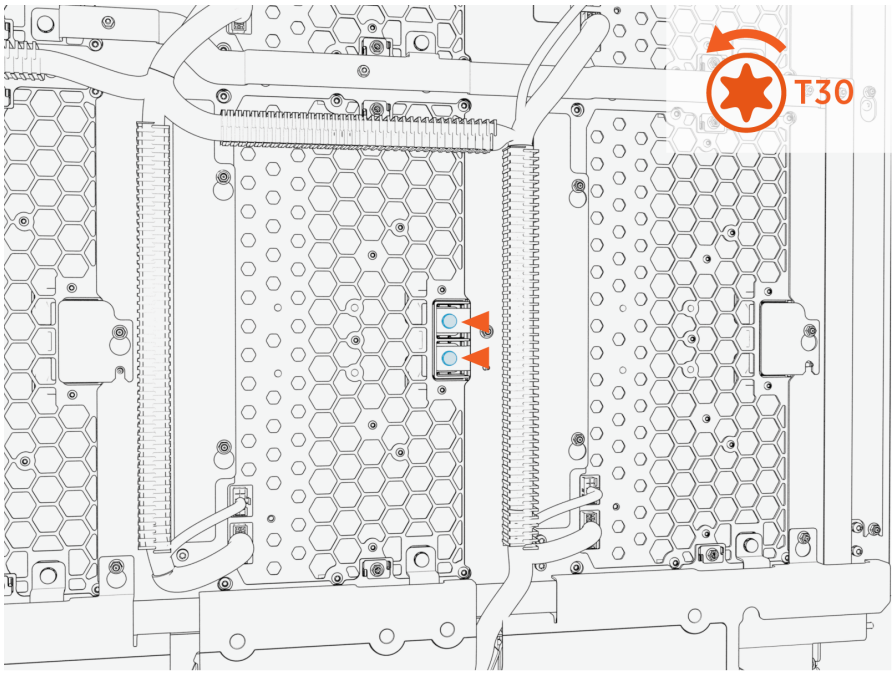
REINSTALL NOTE: Torque the nut to **4.5 Nm (40 in-lb).**

IMPORTANT: Do not use impact driver to tighten fasteners.

b. Lift the DC power module input cover upward from the keyslot and pull it forward to remove (save for re-installation).



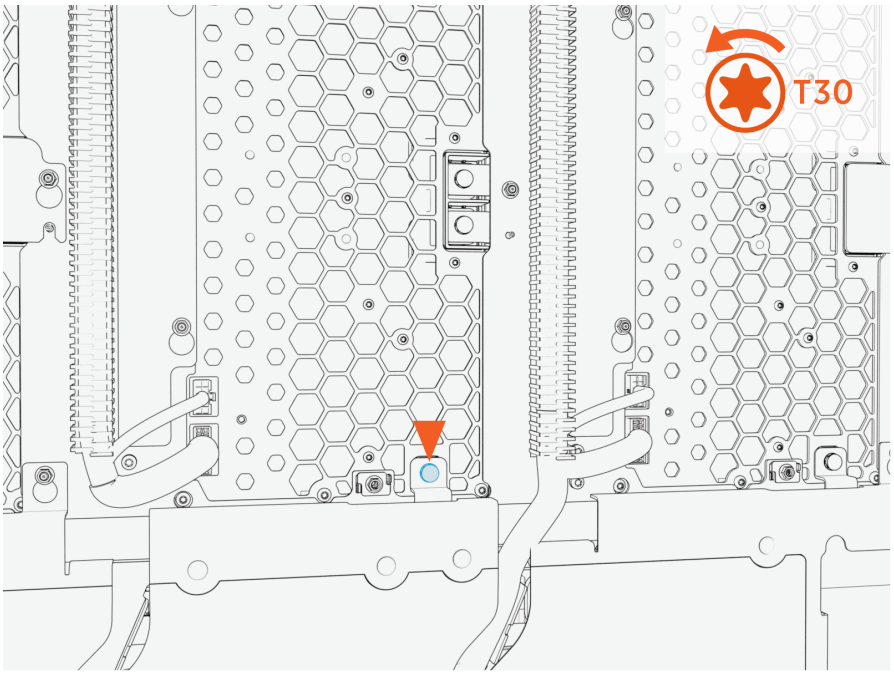
c. Remove the M6 screws (x2) from the positive (+) and negative (–) DC bus arms.



REINSTALL NOTE: Torque these screws to **5.6 Nm (50 in-lb)**.

IMPORTANT: Do not use impact driver to tighten fasteners.

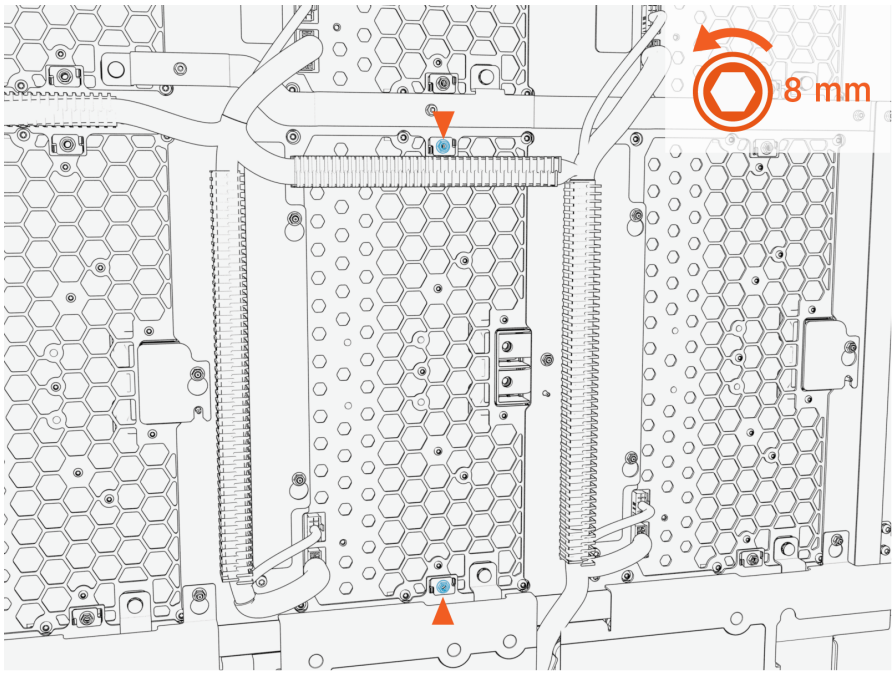
d. Remove the M6 screw from the ground bus bar.



REINSTALL NOTE: Torque the screw to **5.6 Nm (50 in-lb)**.

IMPORTANT: Do not use impact driver to tighten fasteners.

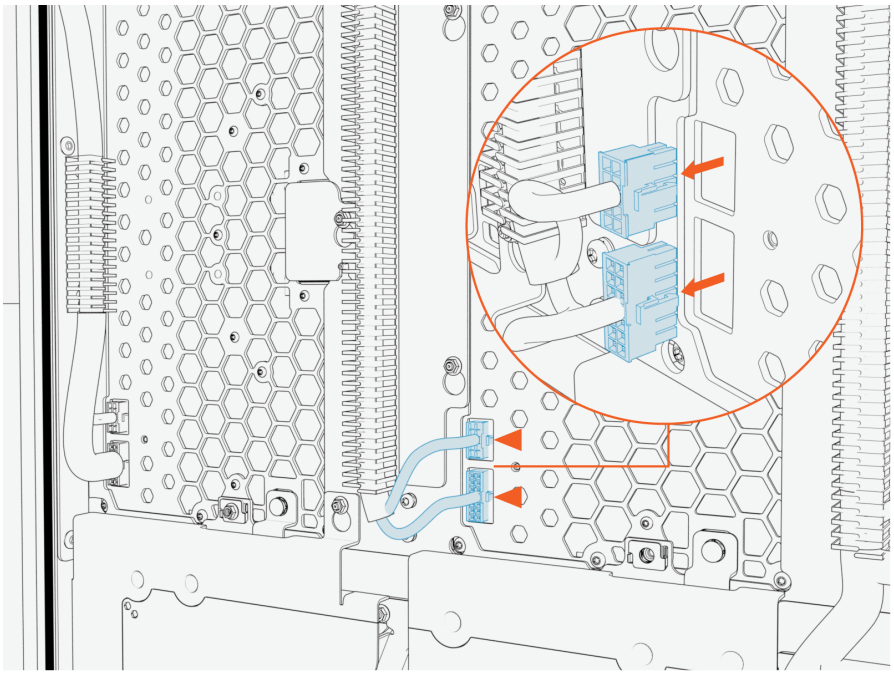
e. Remove the M5 nuts (x2) from the upper backplate.



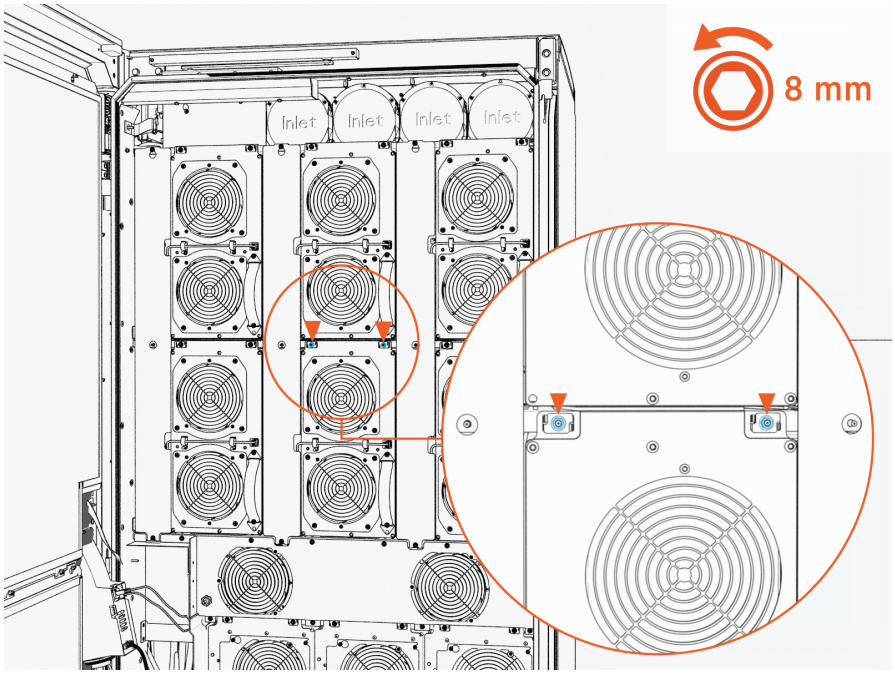
REINSTALL NOTE: Torque the nuts to **4.5 Nm (40 in-lb).**

IMPORTANT: Do not use impact driver to tighten fasteners.

f. Disconnect low-voltage connectors.



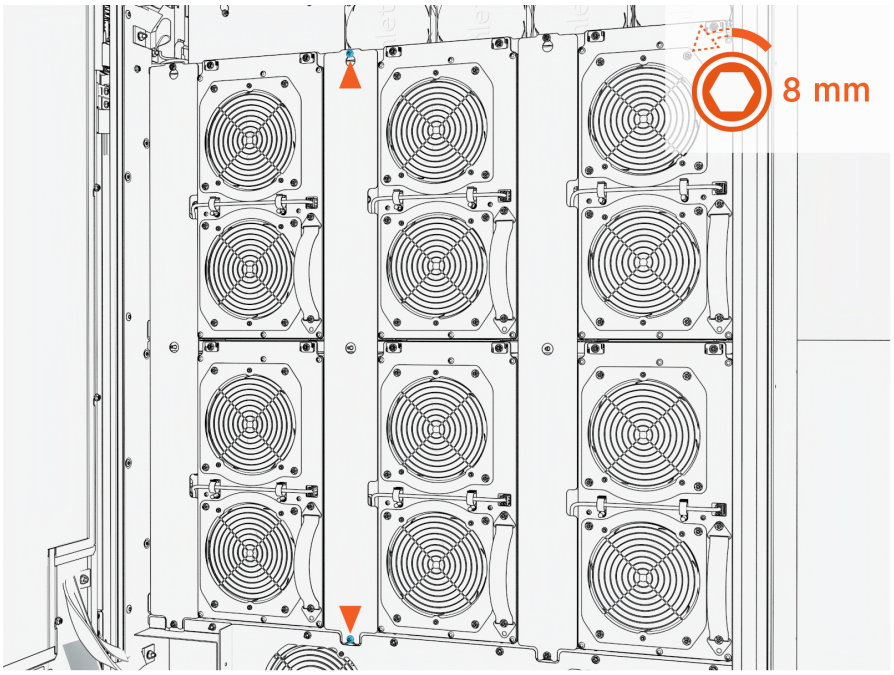
2. Perform the following actions on the intake (right) side of the cabinet:
    a. Remove the M5 nuts (x2) from the DC power module on the intake (right) side of the cabinet.



REINSTALL NOTE: Torque the nuts to **4.5 Nm (40 in-lb).**

IMPORTANT: Do not use impact driver to tighten fasteners.

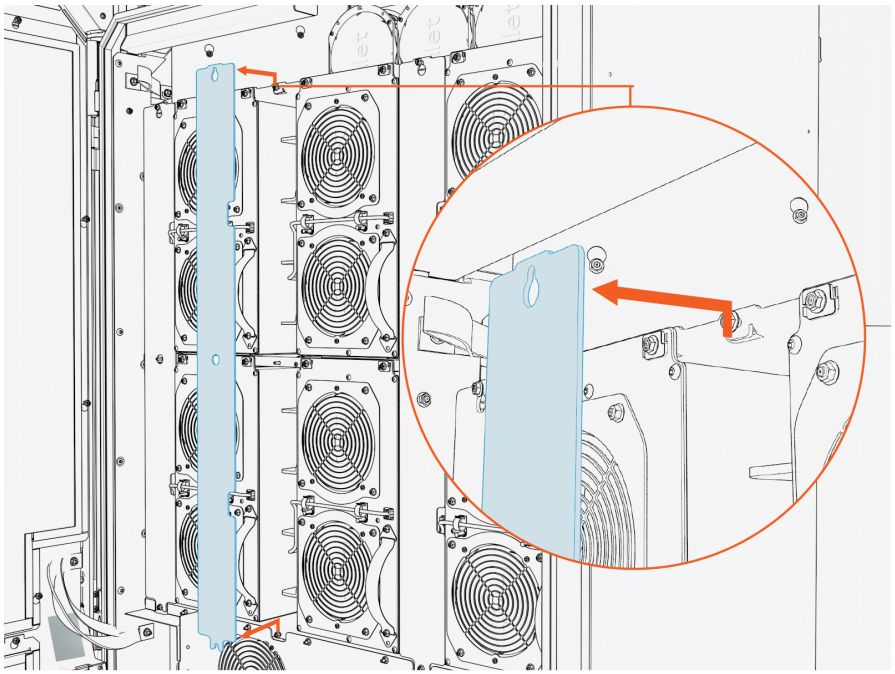
b. Loosen the M5 nuts (x2) from the DC power module output cover.



REINSTALL NOTE: Torque the nuts to **4.5 Nm (40 in-lb).**

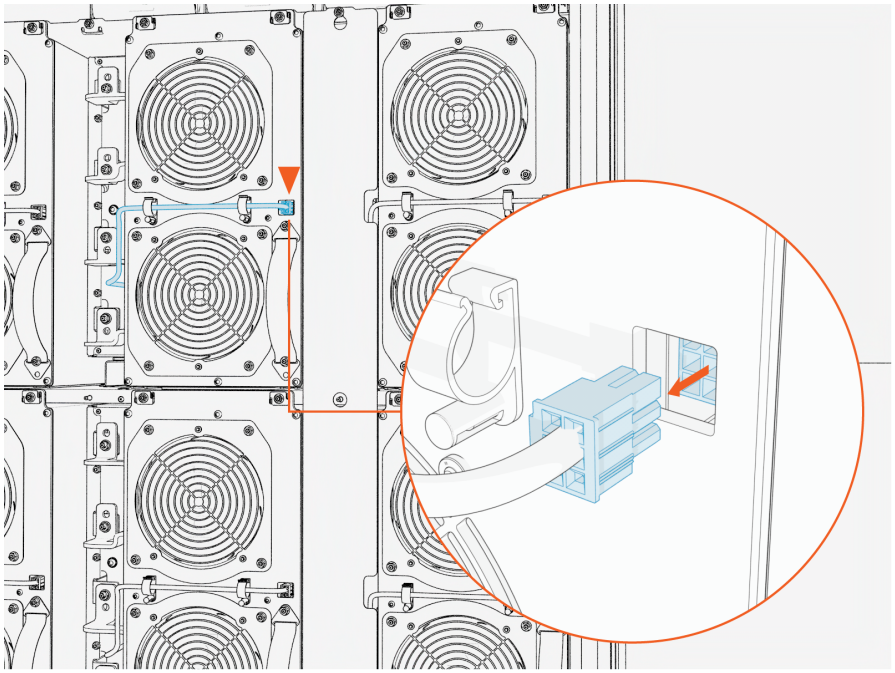
IMPORTANT: Do not use impact driver to tighten fasteners.

c. Lift the DC power module output cover upward from the keyslot and pull it forward to remove.

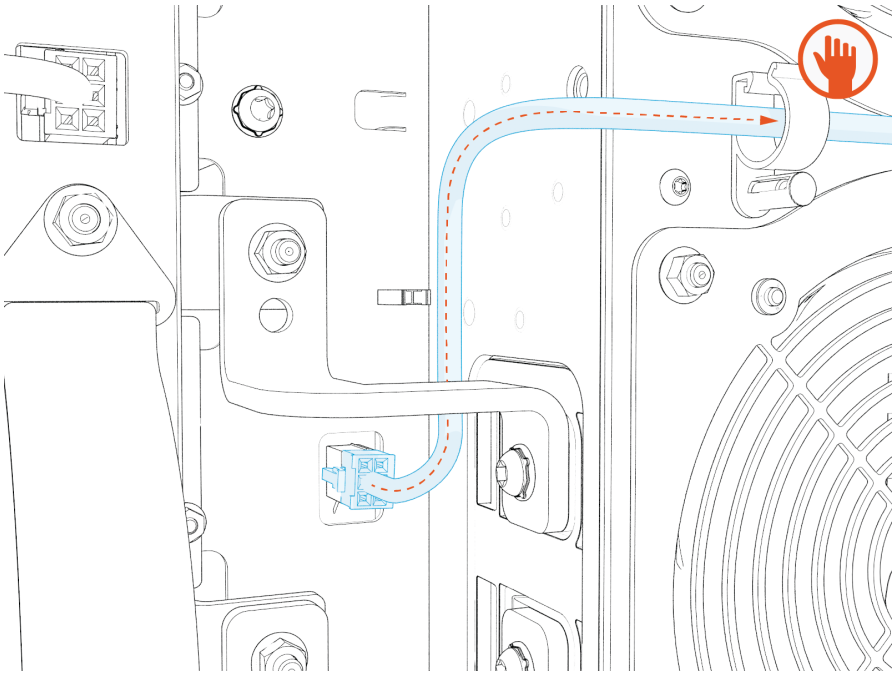


d. Disconnect the connector from the DC power module.

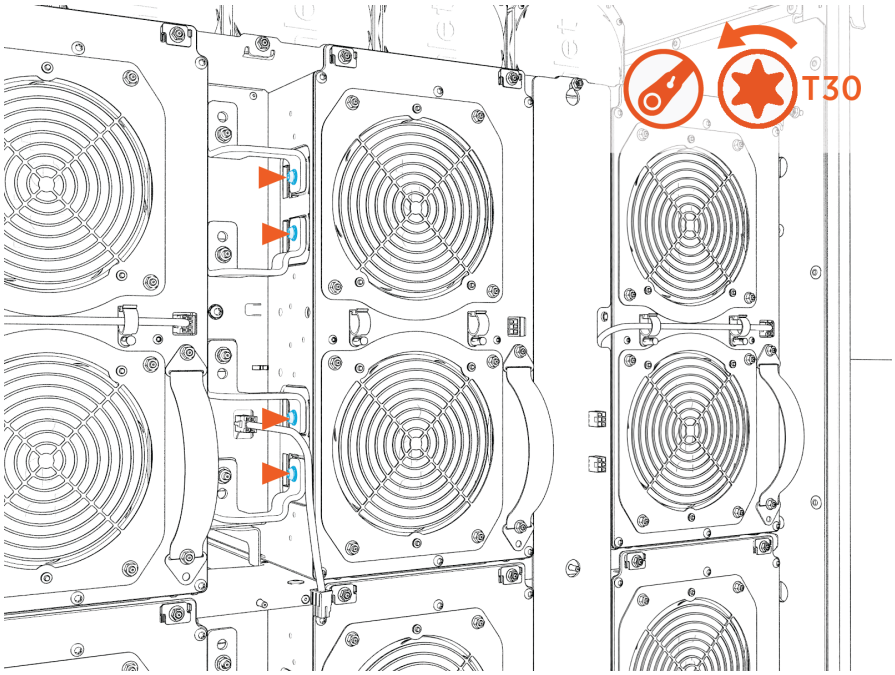
NOTE: After disconnecting the connector, remove the cables from the two cable clips.



REINSTALL NOTE: When reinstalling, the cable must be routed behind the CMX bus bar. Refer to the following figure.



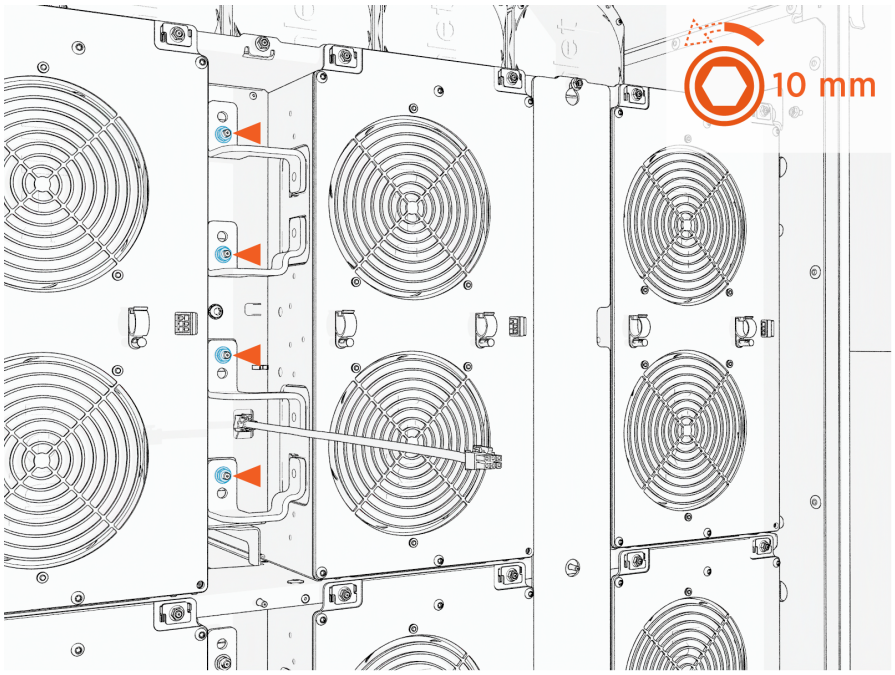
e. Remove the M6 screws (x4) attached to the DC power module.



REINSTALL NOTE: Torque the screws to **5.6 Nm (50 in-lb)**.

IMPORTANT: Do not use impact driver to tighten fasteners.

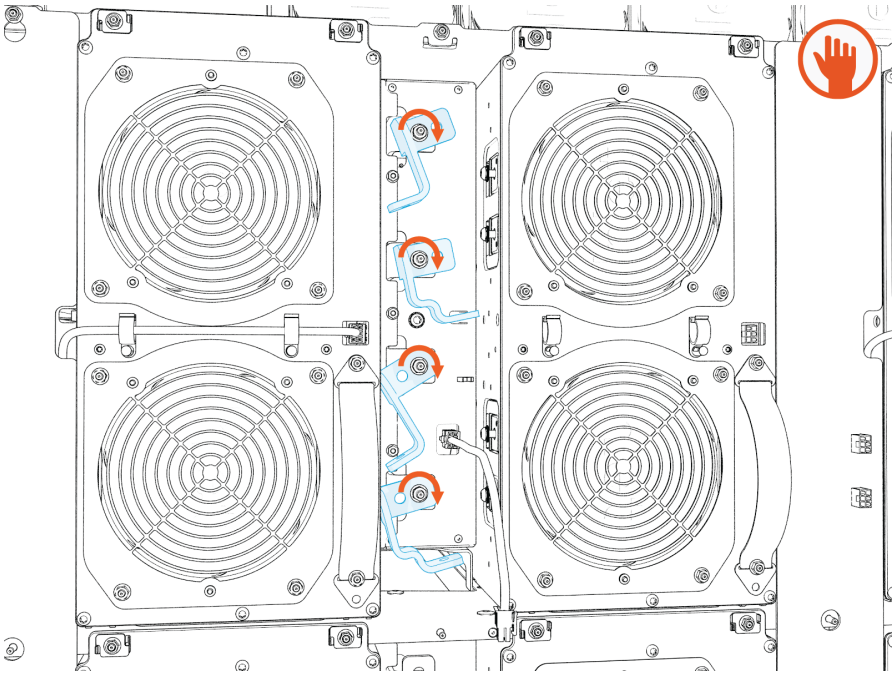
f. Loosen the M5 nuts (x4) from the bus bars.



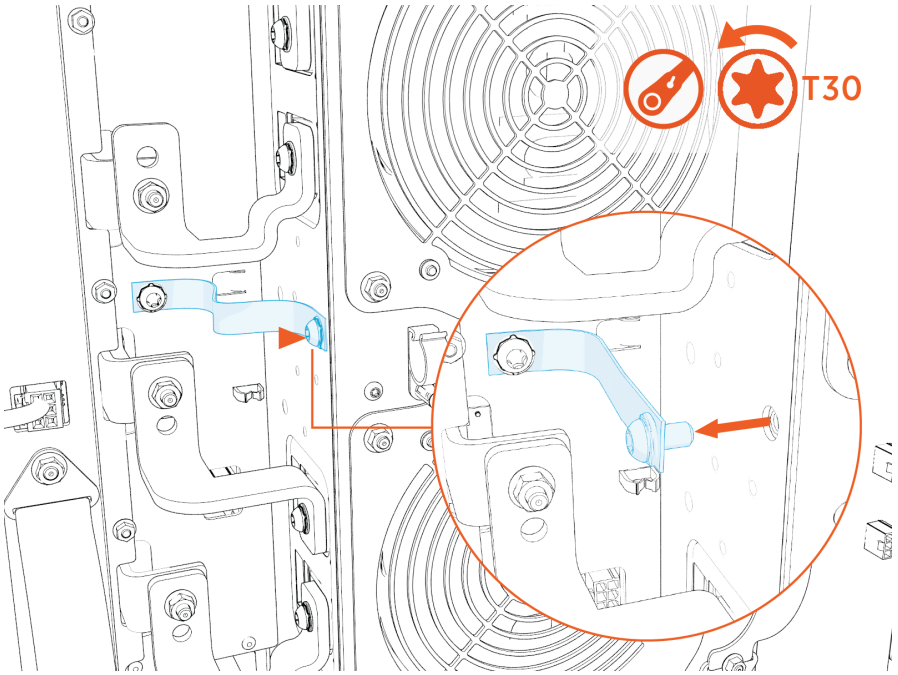
REINSTALL NOTE: Torque the nuts to **5.6 Nm (50 in-lb)**.

IMPORTANT: Do not use impact driver to tighten fasteners.

g. Rotate the bus bars to prevent contact with the DC power module during removal.



h. Remove the M6 screw attached to the DC power module to disconnect the ground strap.

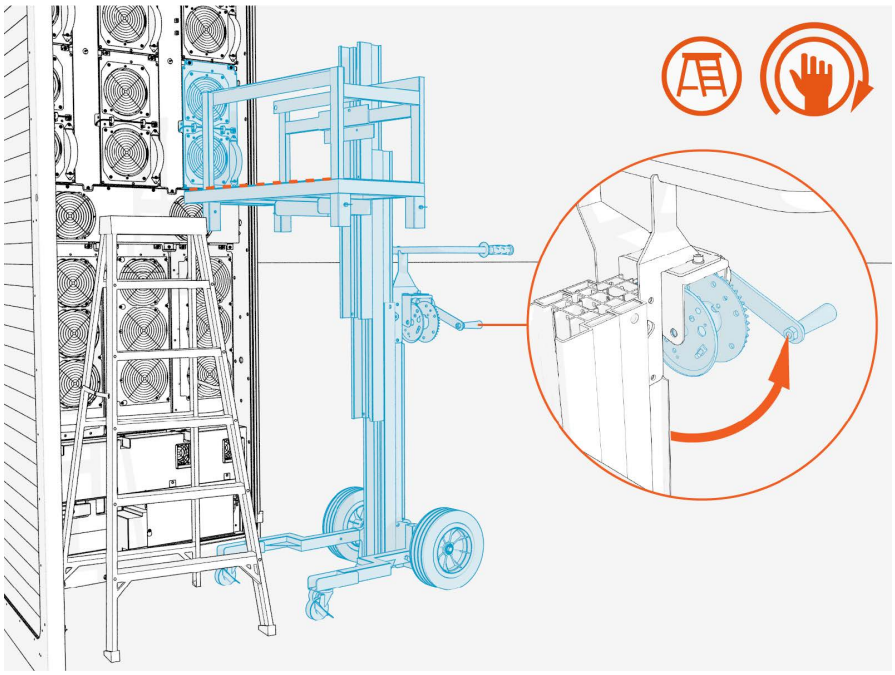


REINSTALL NOTE: Torque the nuts to **5.6 Nm (50 in-lb)**.

IMPORTANT: Do not use impact driver to tighten fasteners.

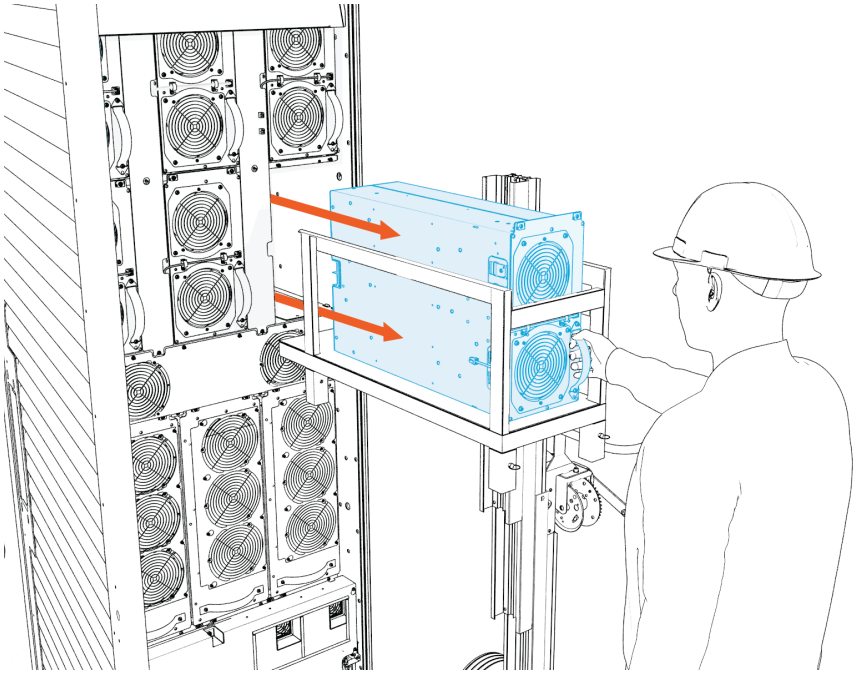
i. Position the module lifter in front of the cabinet and turn the crank to raise the platform until it is aligned with the module.

WARNING: Align the lift cart platform with the DC power module to ensure a level transfer during removal. The module weighs approximately 68.5 kg (151 lb); misalignment may cause the module to drop, resulting in injury or equipment damage.

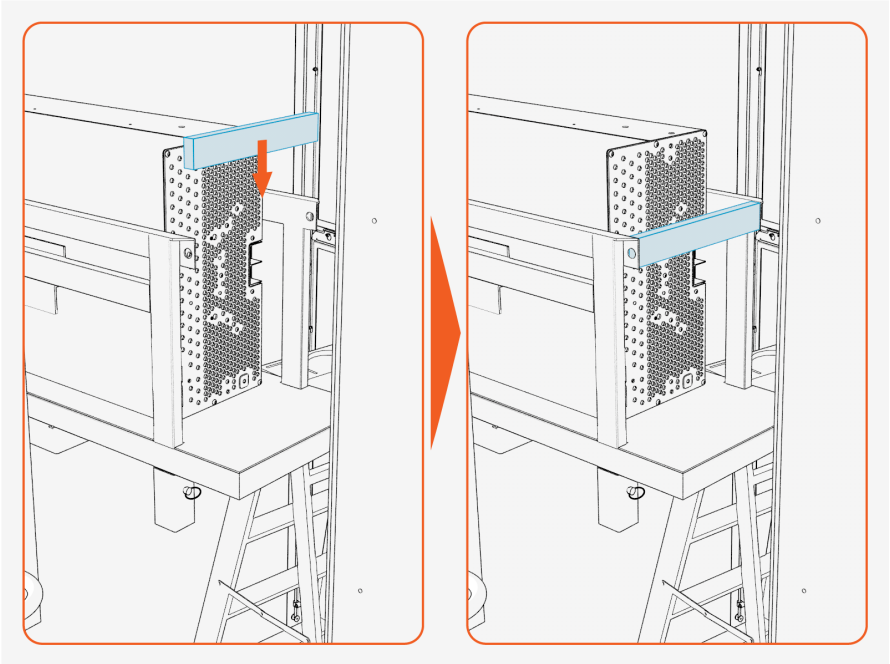


j. Pull the DC power module straight out of the enclosure and support the module in the lifter platform.

> **WARNING:** Before sliding out the module, verify that all cables and connectors are disconnected. Moving the module while connected can result in equipment damage.



k. Lock the module lifter platform.

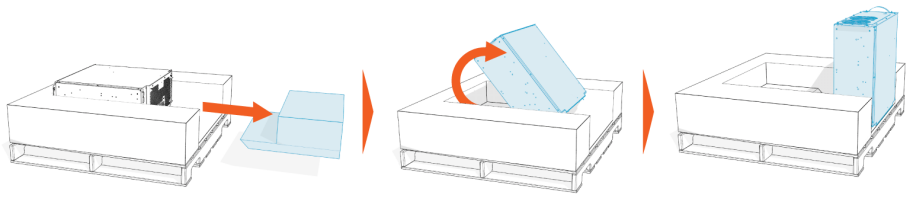


l. Once the module is fully supported by the module lift platform, verify that sufficient clearance exists between the platform and all cabinet components. If necessary, carefully move the module lift away from the enclosure to provide adequate clearance. Then lower the platform to its lowest position before transporting the module.

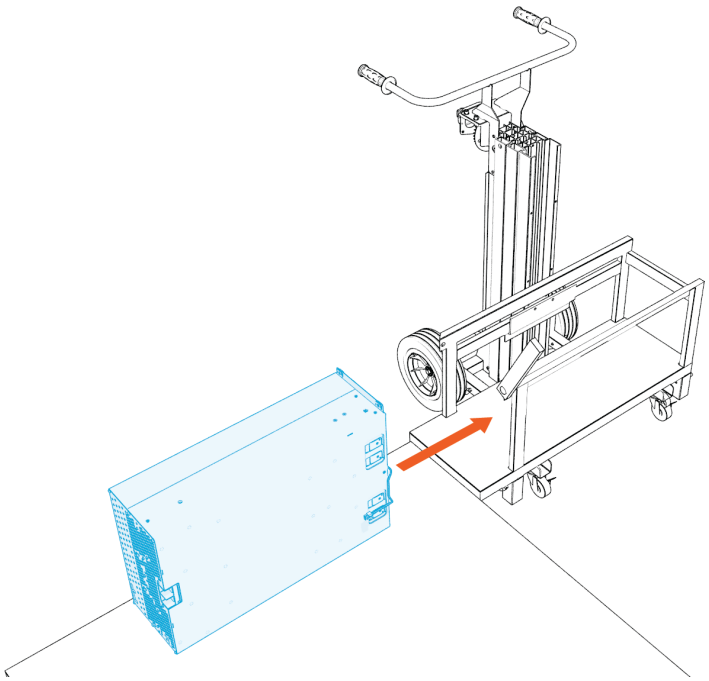
IMPORTANT: Lowering the platform reduces the center of gravity and helps prevent cart tip-over when traveling over uneven surfaces.

Installation of DC Power Module

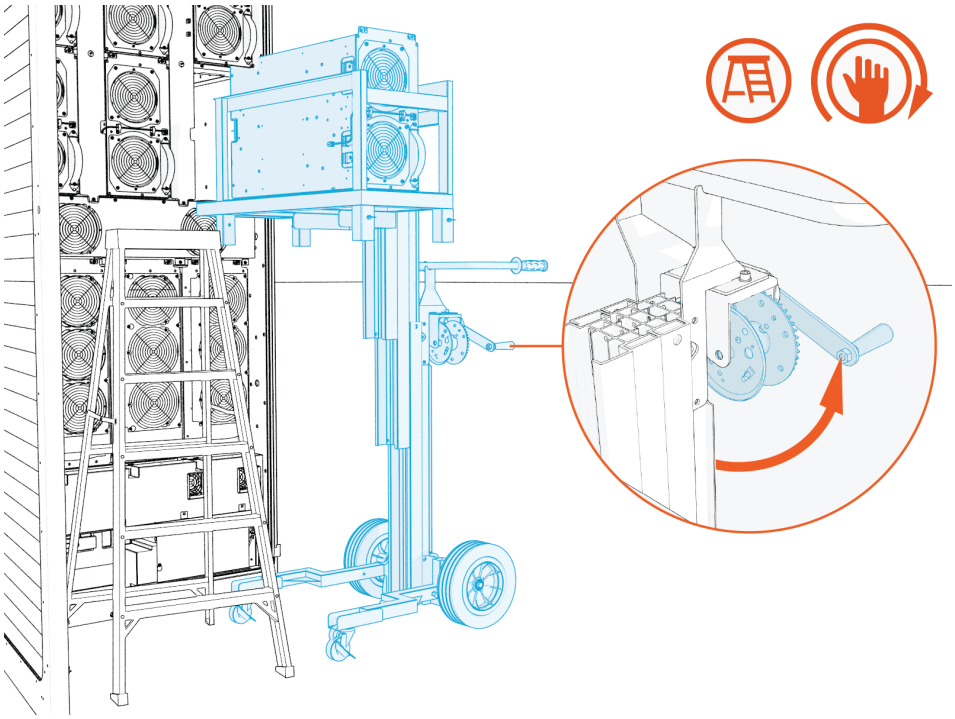
1. Unpack the new DC power module from the crate.
2. Remove the foam pad and rotate the DC power module vertically.



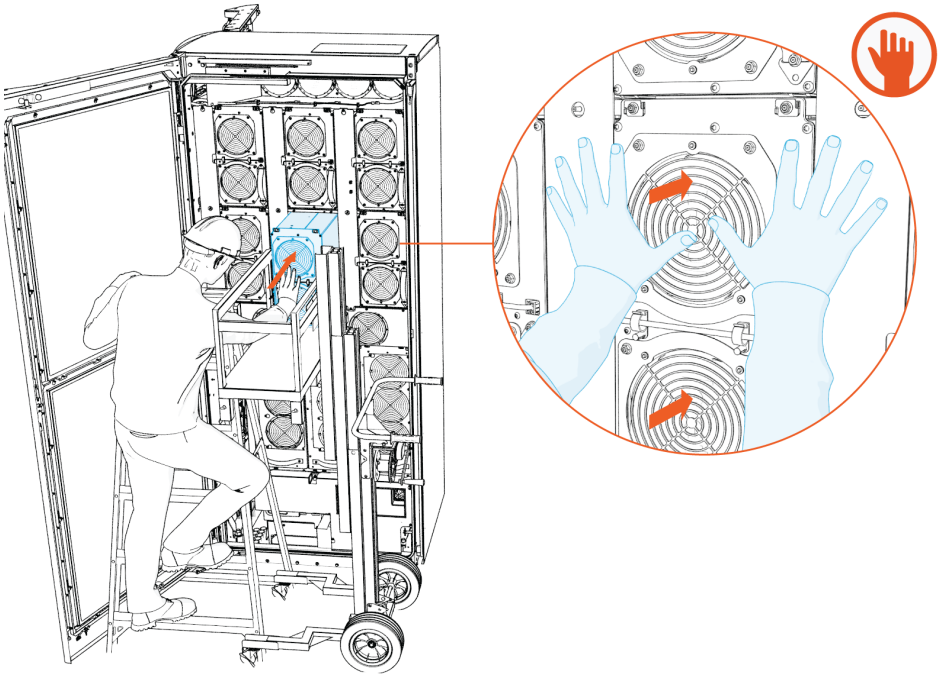
3. Slide the DC power module onto the module lifter at lower carrier position.



4. Position the lift in front of the empty bay, and then use the crank shaft to raise the DC power module so that it is level with the bay.

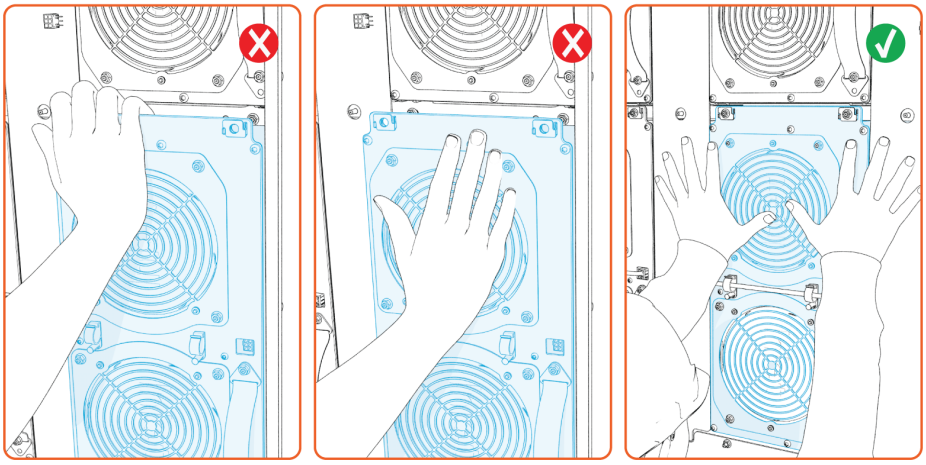


5. Slide the DC power module most of the way into the bay, leaving only the last 2 inches hanging out of the bay.



6. After ensuring the module is stable in the bay, remove the lift from the work area and position yourself in front of the module. Push the module fully into the bay.

> **CAUTION:** The module is heavy and can cause injury if handled improperly. Keep hands and fingers clear of pinch points when sliding the module into the bay. To avoid damaging the module, do not apply pressure to the fan grilles. Push the module into position using only the solid frame.



7. **Reverse the removal procedure to reconnect all cables, terminals and bus bar connections.**

Contactor Matrix Assembly 8

Required Tools and Materials


Socket (8 mm and 10 mm)


Torque wrench/driver


Module lifter


Torx screwdriver (T30, with 6 inch minimum length extension shaft)


Short angle ratchet for T30 bit

Before You Begin

1. Power Off.


NOTE: Wait at least five minutes for energy to dissipate.

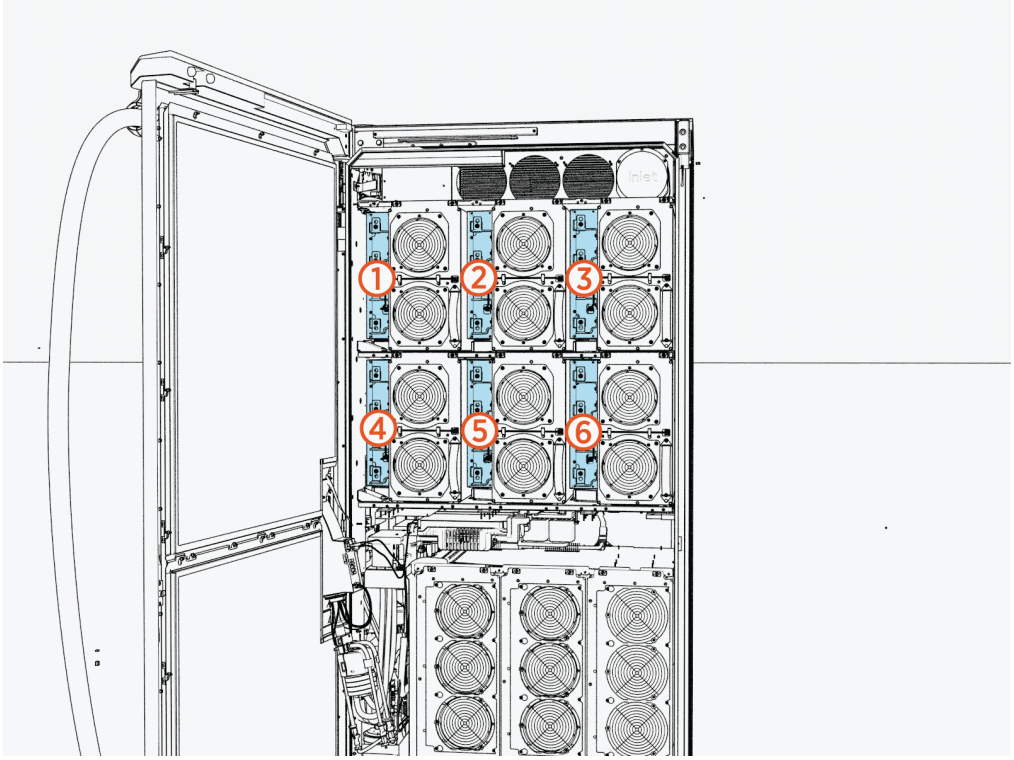
2. Open the intake (right) and exhaust (left) doors.

After replacing the components, reverse the above steps to complete the service.


IMPORTANT:

- Complete the post-service checklist. The checklist is available at ChargePoint Product Reference Documentation.
- Contact ChargePoint regarding faulty part return.

Identify Target Contactor Matrix (CMX)

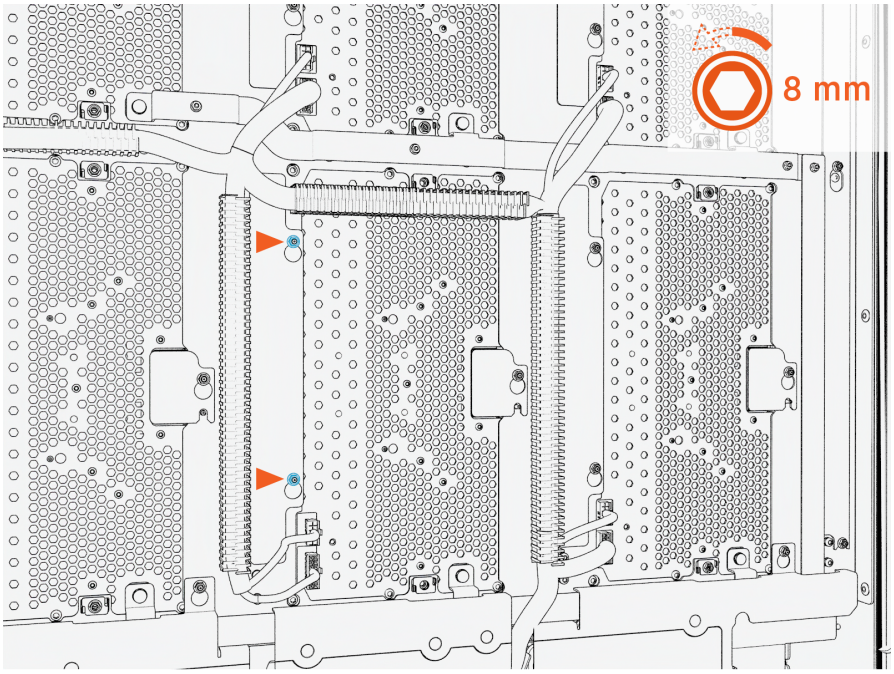


NOTE: The Express Solo contains up to six contactor matrix. The following procedure applies to one contactor matrix. Repeat the same steps for the other contactor matrix, as required.

Remove the CMX

To remove the contactor matrix for replacement, follow these steps:

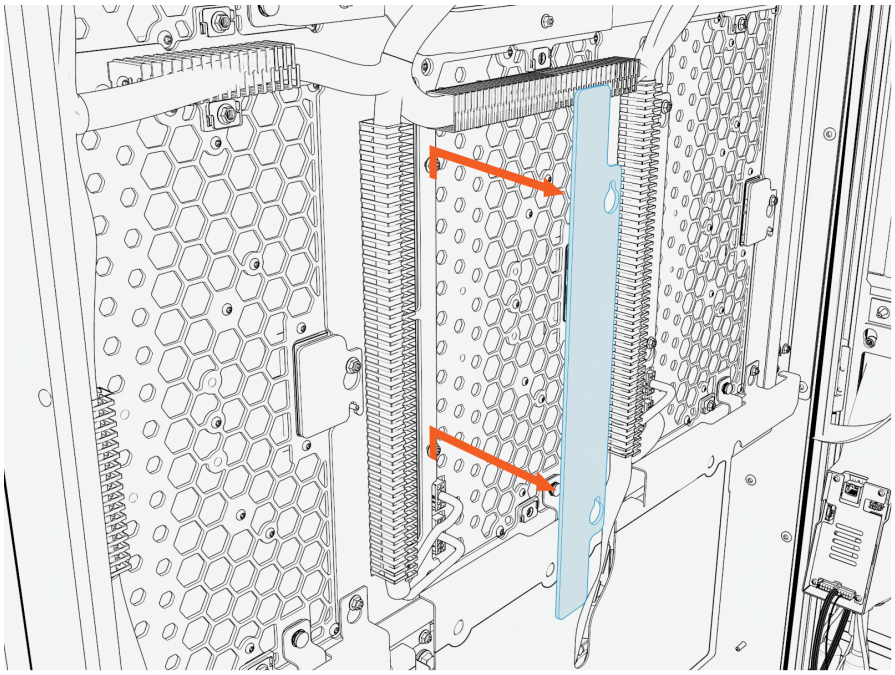
1. Perform the following actions on the exhaust (left) side of the cabinet:
    a. Loosen (do not remove) the M5 nuts (x2) from the DC power module input cover.



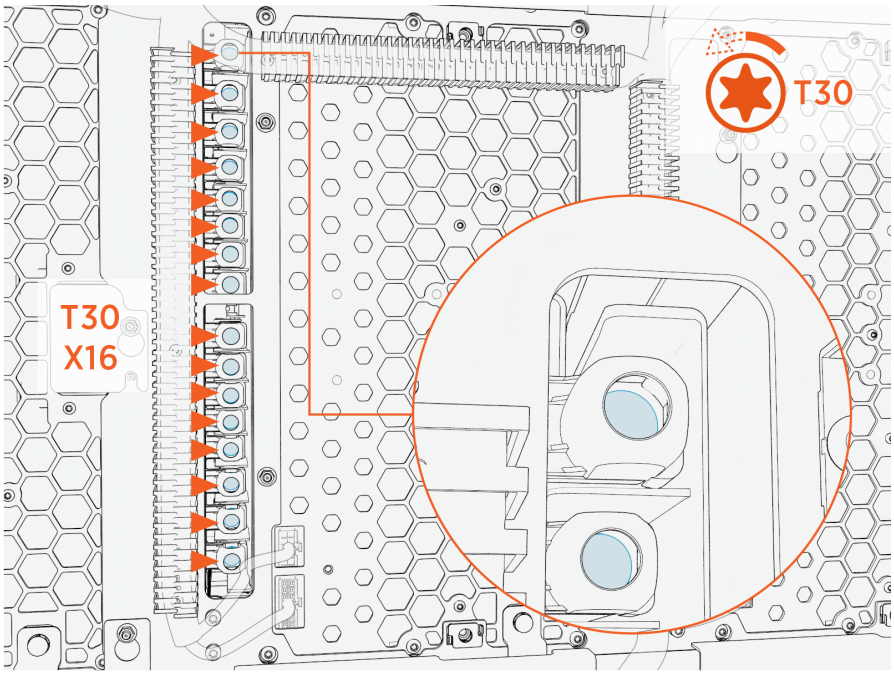
REINSTALL NOTE: Torque the nut to **4.5 Nm (40 in-lb).**

IMPORTANT: Do not use impact driver to tighten fasteners.

b. Lift the DC power module input cover upward from the keyslot and pull it forward to remove.



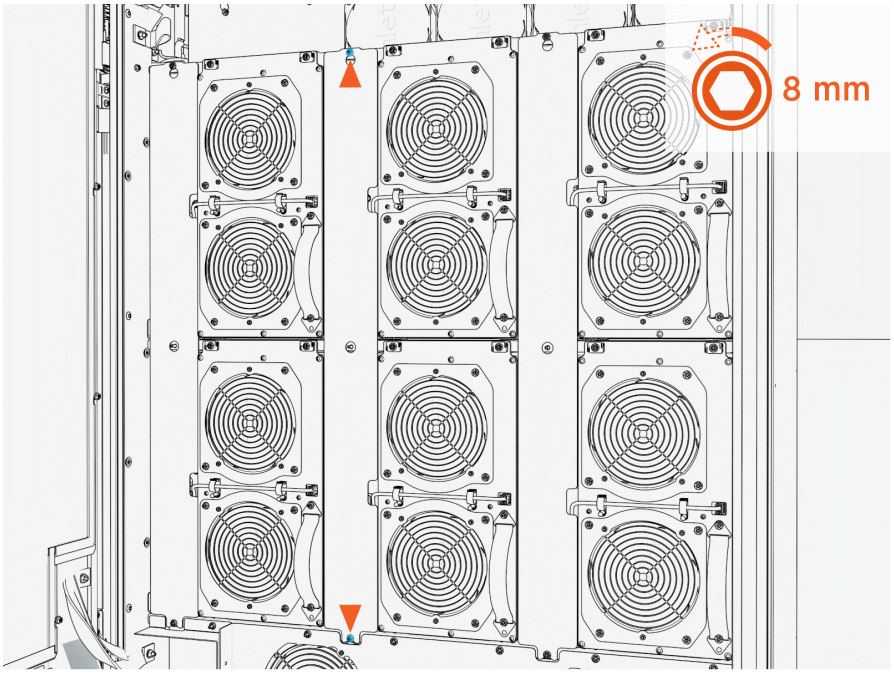
c. Fully loosen (do not remove) the M6 captive screws (x16).



REINSTALL NOTE: Torque these screws to **5.6 Nm (50 in-lb)**.

IMPORTANT: Do not use impact driver to tighten fasteners.

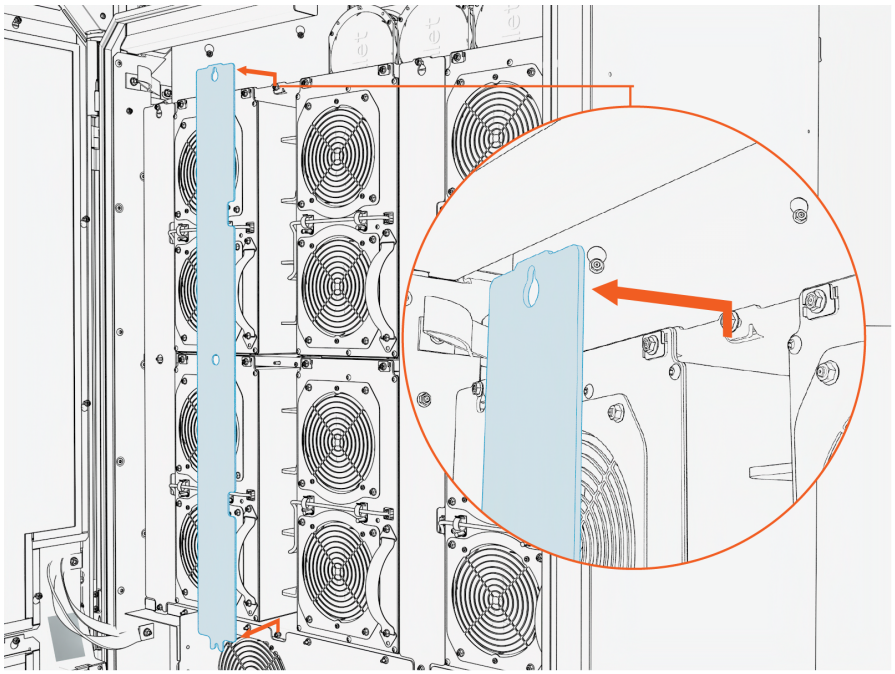
2. Perform the following actions on the intake (right) side of the cabinet:
    a. Loosen (do not remove) the M5 nuts (x2) from the DC power module output cover.



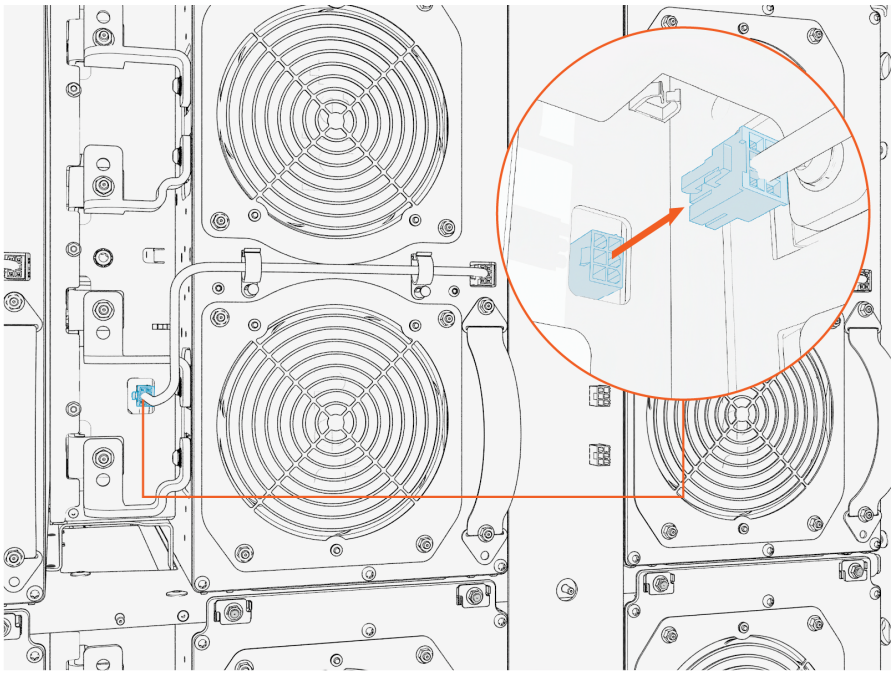
REINSTALL NOTE: Torque the nut to **4.5 Nm (40 in-lb).**

IMPORTANT: Do not use impact driver to tighten fasteners.

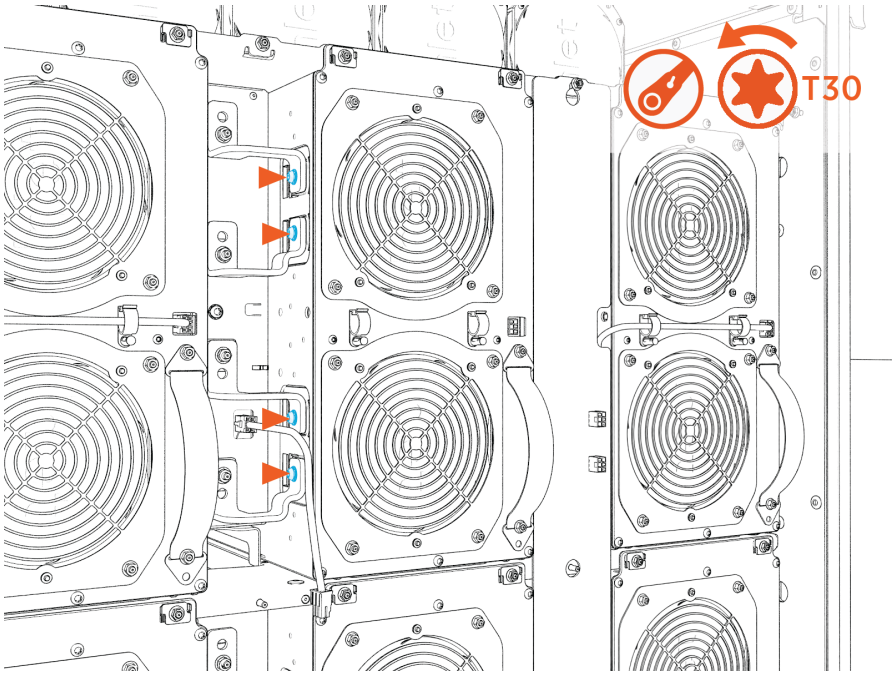
b. Lift the DC power module output cover upward from the keyslot and pull it forward to remove.



c. Disconnect the connector from the contactor matrix.



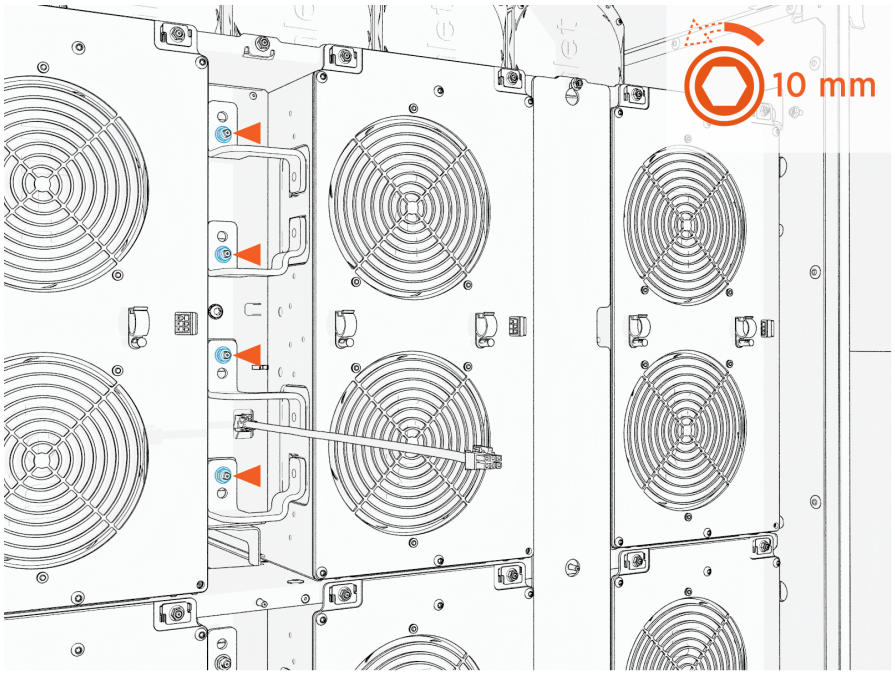
d. Remove the M6 screws (x4) attached to the DC power module.



REINSTALL NOTE: Torque these screws to **5.6 Nm (50 in-lb)**.

IMPORTANT: Do not use impact driver to tighten fasteners.

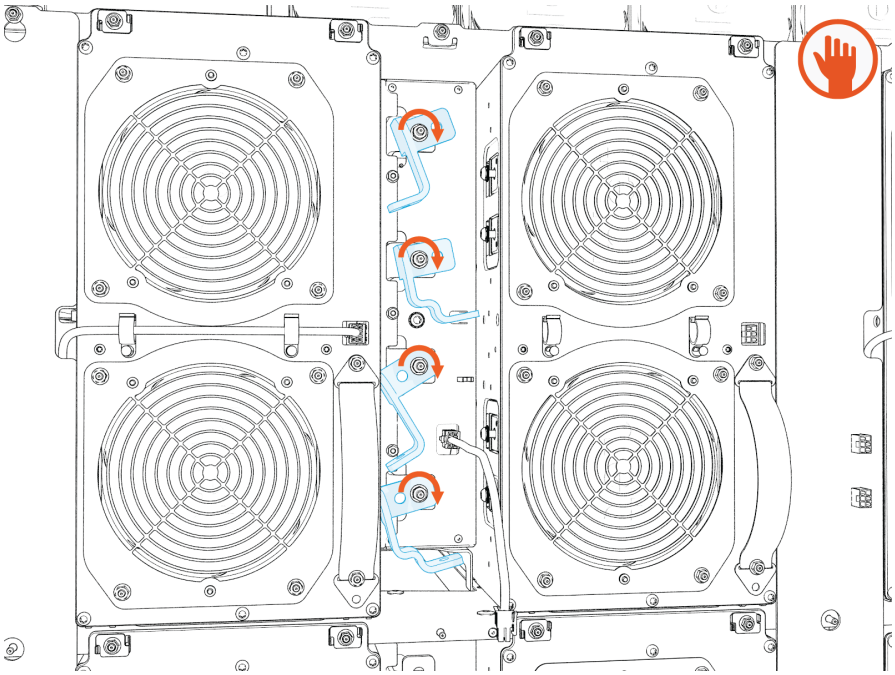
e. Use a 10 mm socket to loosen the M5 nuts (x4).



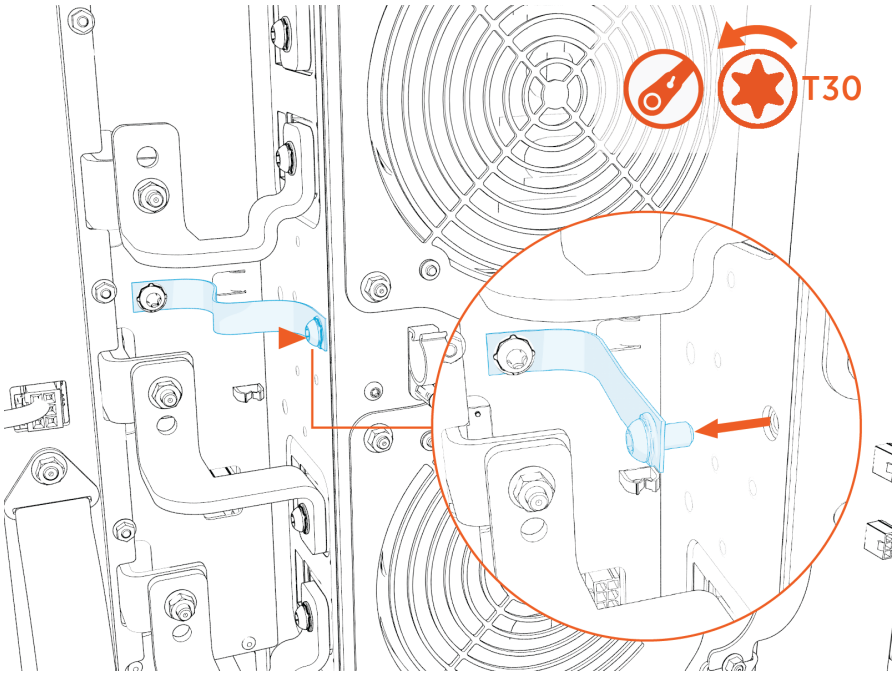
REINSTALL NOTE: Torque these screws to **5.6 Nm (50 in-lb)**.

IMPORTANT: Do not use impact driver to tighten fasteners.

f. Rotate the bus bars to prevent contact with the DC power module during removal.



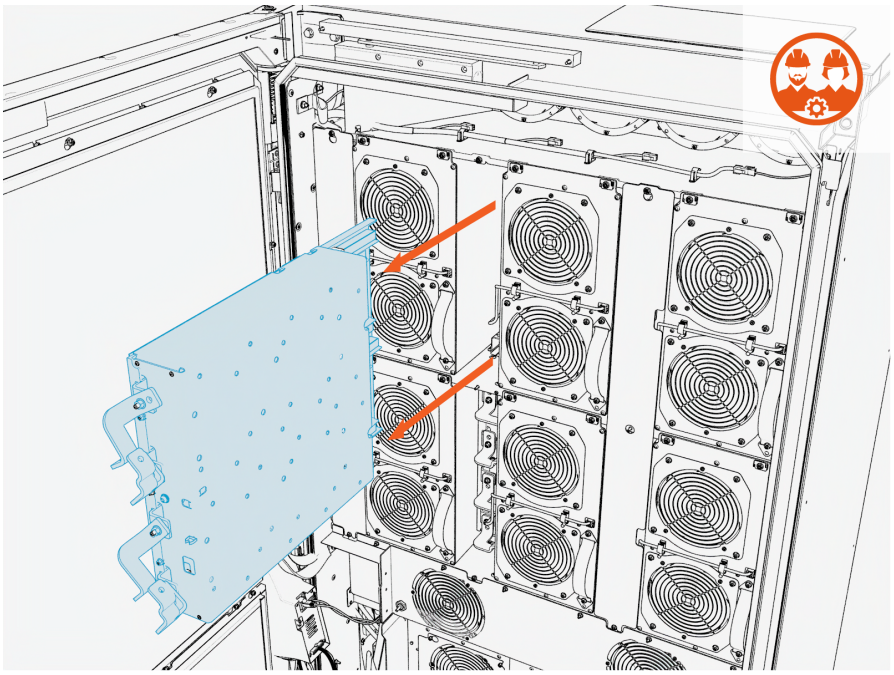
g. Remove the M6 screw attached to the DC power module to disconnect the ground strap.



REINSTALL NOTE: Torque the nuts to **5.6 Nm (50 in-lb)**.

IMPORTANT: Do not use impact driver to tighten fasteners.

h. Remove the CMX from its rail.



3. **Reverse the above steps to reinstall with replacement contactor matrix.**

Fans 9

Before You Begin

1. Power Off.

   NOTE: Wait at least five minutes for energy to dissipate.

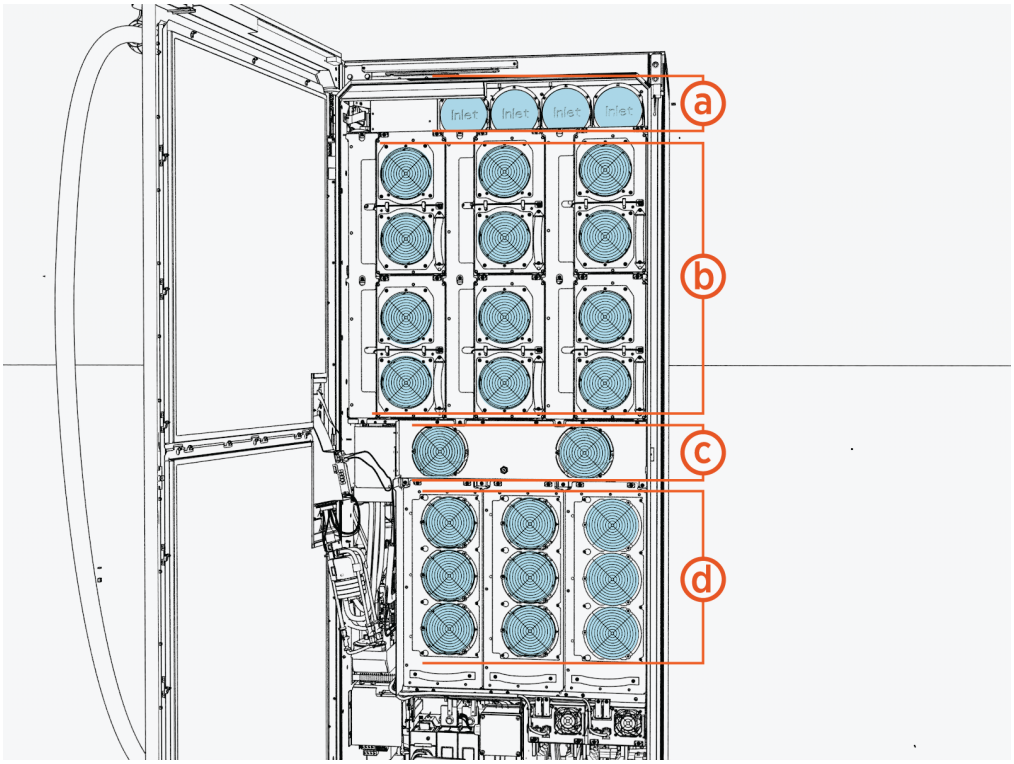
2. Open the intake (right) door.

After replacing the components, reverse the above steps to complete the service.

IMPORTANT:

- Complete the post-service checklist. The checklist is available at ChargePoint Product Reference Documentation.
- Contact ChargePoint regarding faulty part return.

Identify Target Fan



(a) LCC fans

(b) DC power module fans

(c) Neutron fans

(d) AC power module fans

NOTE: The following procedure applies to one fan. Repeat the same steps for the other fans in the same module, as required.

Remove the Fan from the LCC

NOTE: This procedure is applicable only to Express Solo systems that are equipped with an LCC.

The following instructions apply to each LCC fan.

Required Tools and Materials

Torx screwdriver (T20)

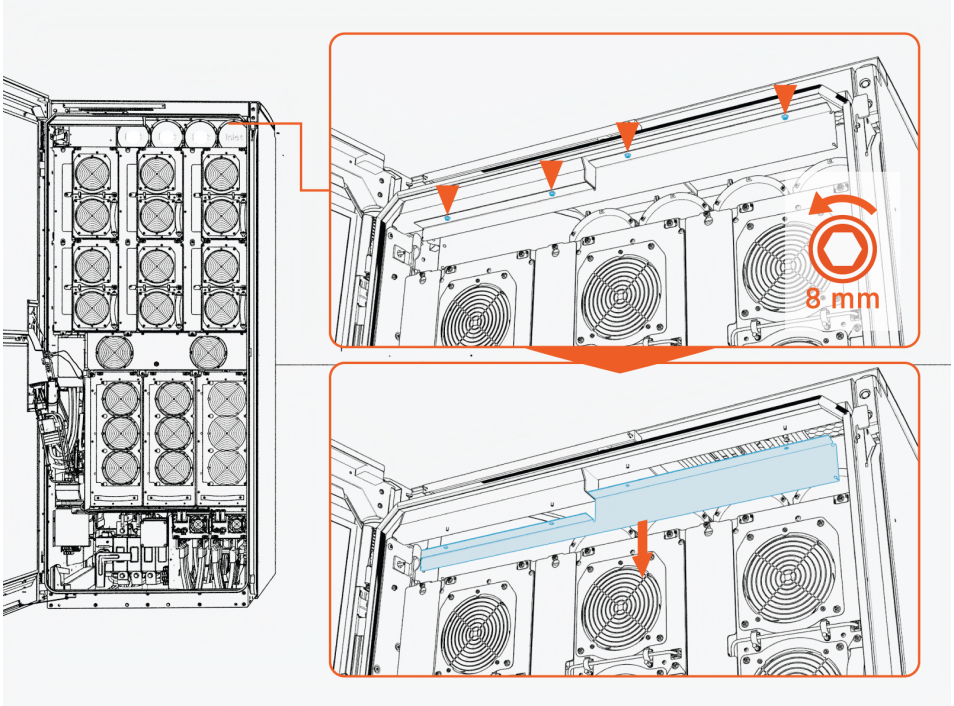
Torque screwdriver

Ladder

Socket (8 mm)

Torque wrench

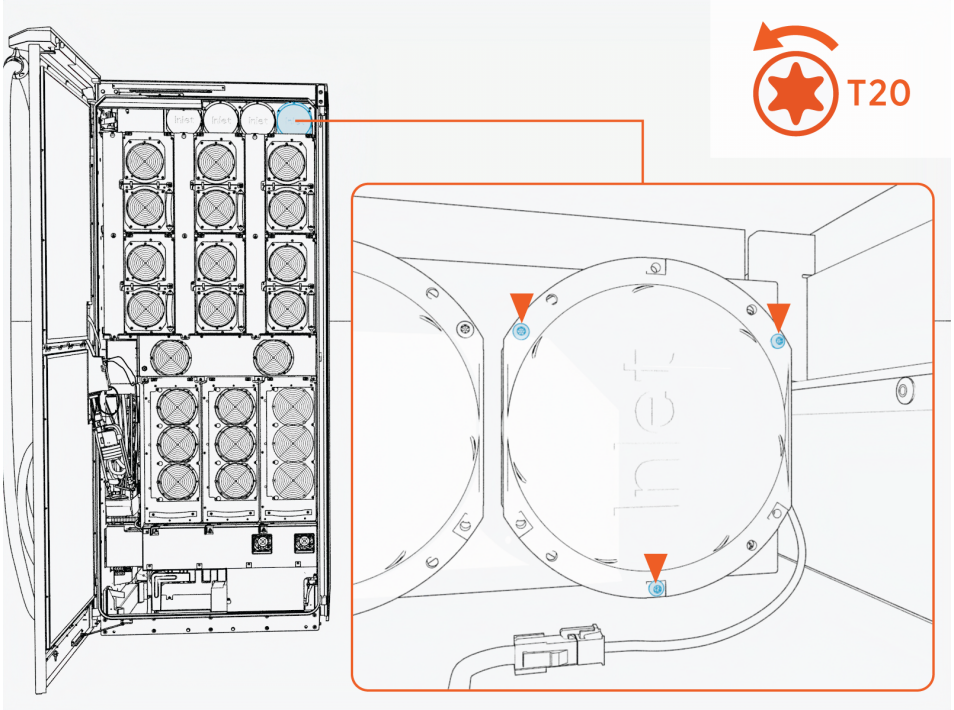
1. Remove the M5 nuts (x4) to remove the LCC duct.



REINSTALL NOTE: Torque the nuts to **4.5 Nm (40 in-lb).**

IMPORTANT: Do not use impact driver to tighten fasteners.

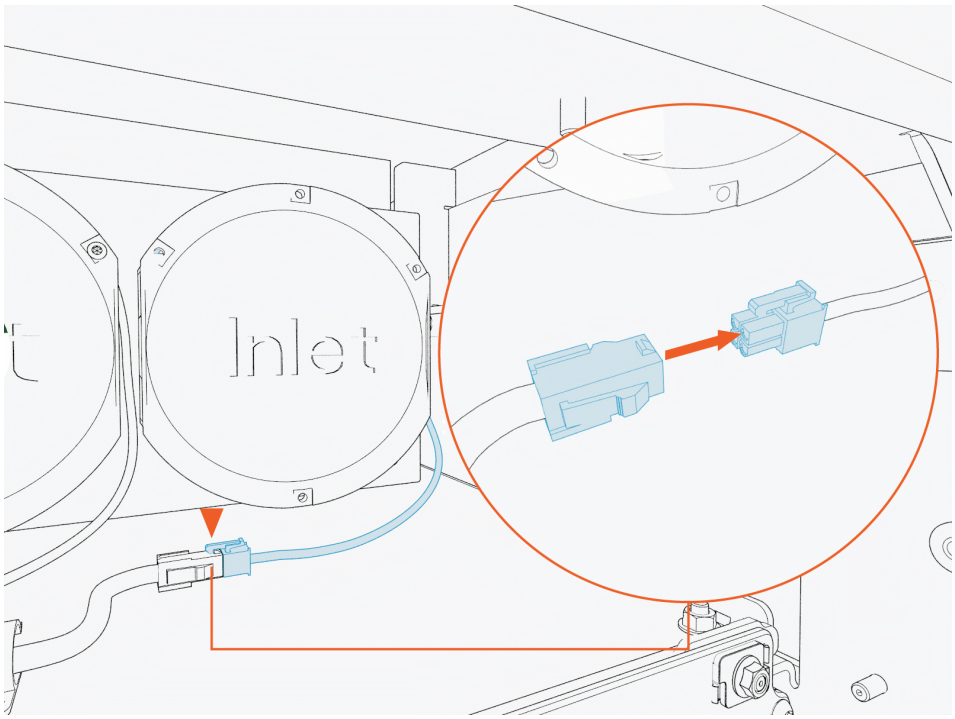
2. Remove the M4 screws (x3) from the fan.



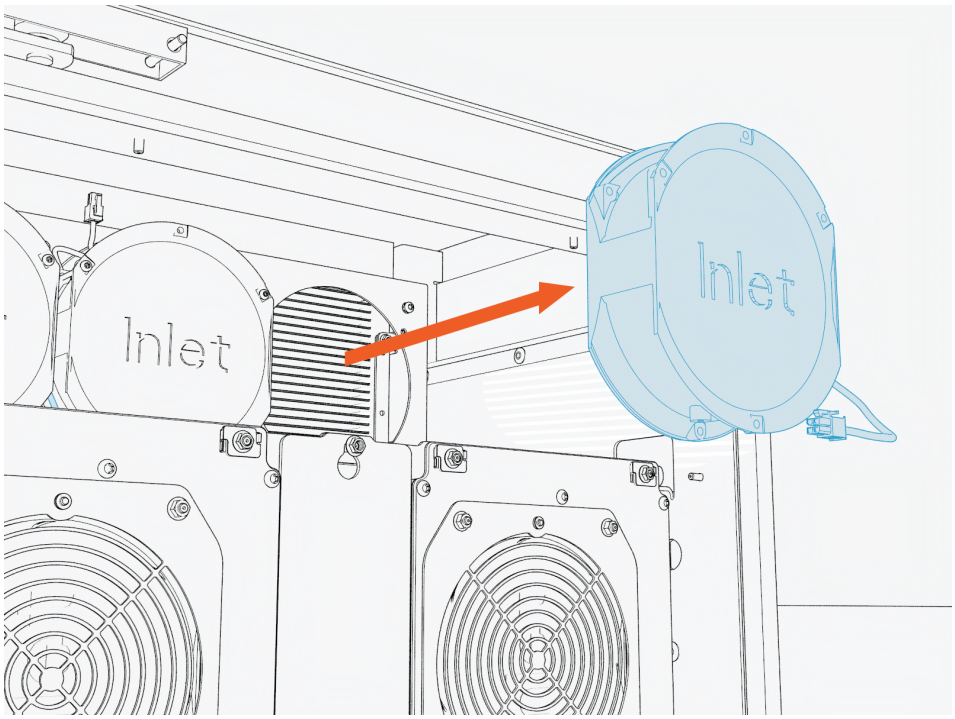
REINSTALL NOTE: Torque these screws to **2.8 Nm (25 in-lb)**.

IMPORTANT: Do not use impact driver to tighten fasteners.

3. Disconnect the connector from the fan.

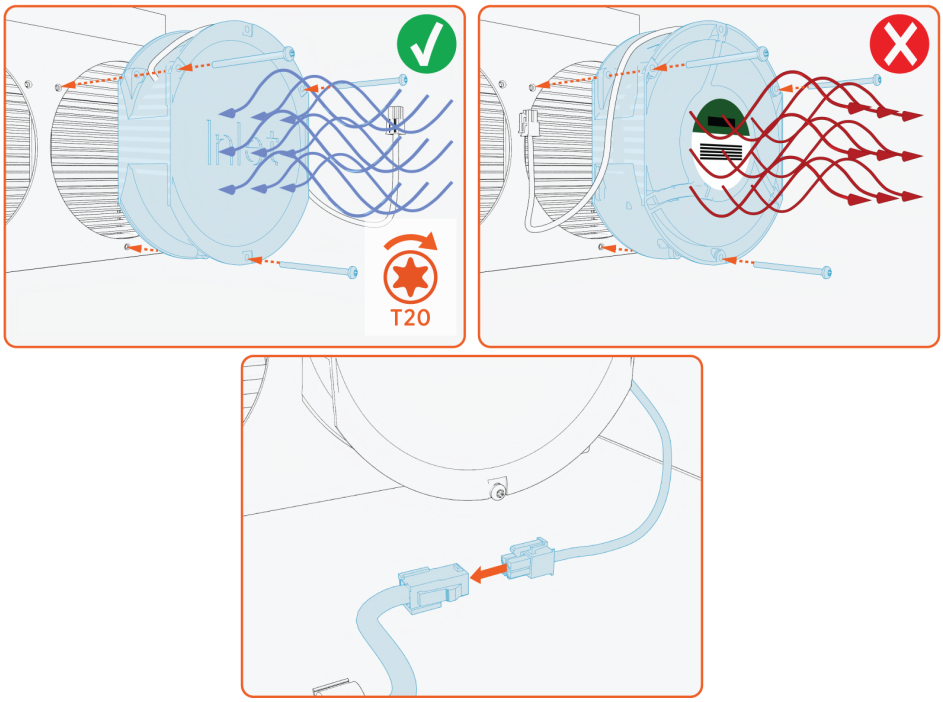


4. Remove the fan from the LCC.



REINSTALL NOTE:

- When installing the fan, make sure that the sticker on the fan is facing inward.
- Secure the fan cable along the curved guide on the fan. Ensure it is not loose or dangling. Refer to the following figure.



5. **Reverse the above steps to reinstall with replacement LCC fan.**

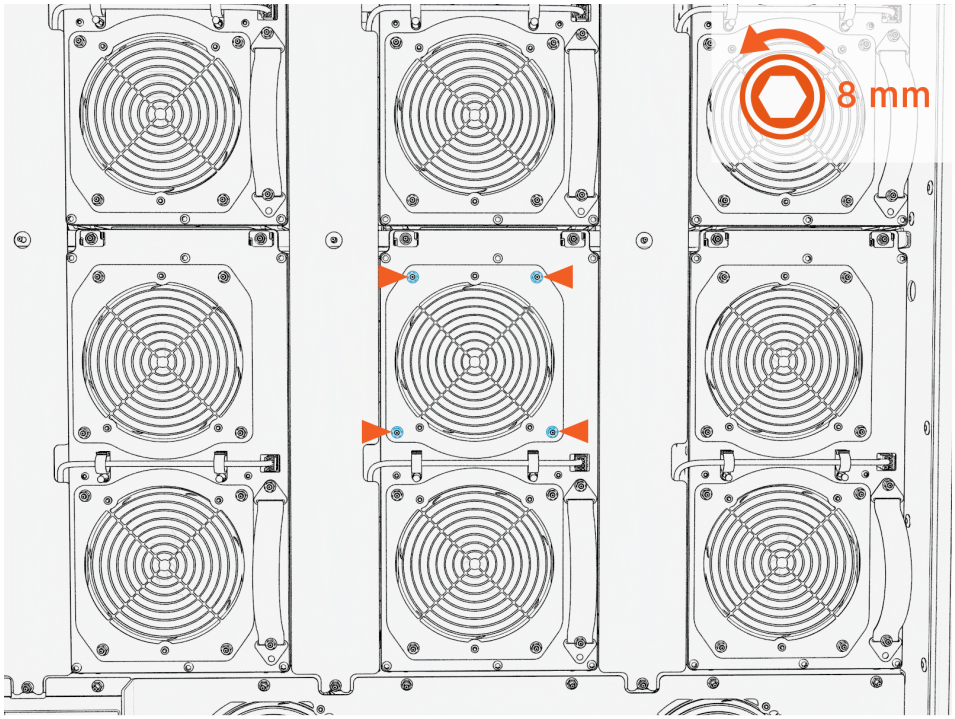
Remove the Fan from the DC Power Module

The following instructions apply to each DC power module fan.

Required Tools and Materials

- Socket (8 mm)
- Torx screwdriver (T20)
- Torque wrench
- Torque screwdriver

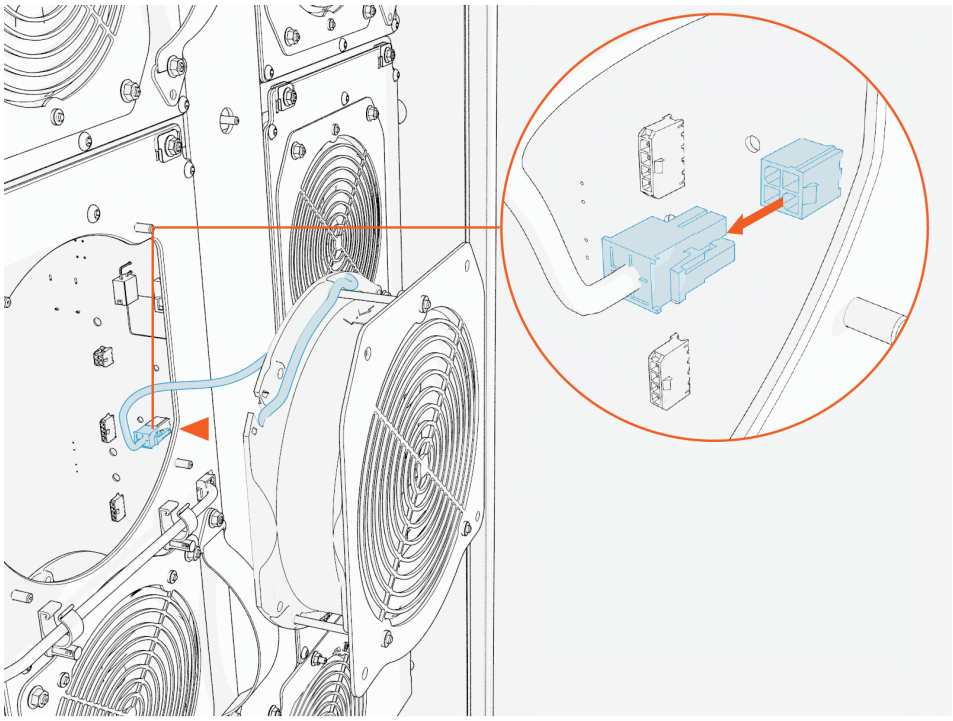
1. Remove the M5 nuts (x4) from the DC power module enclosure.



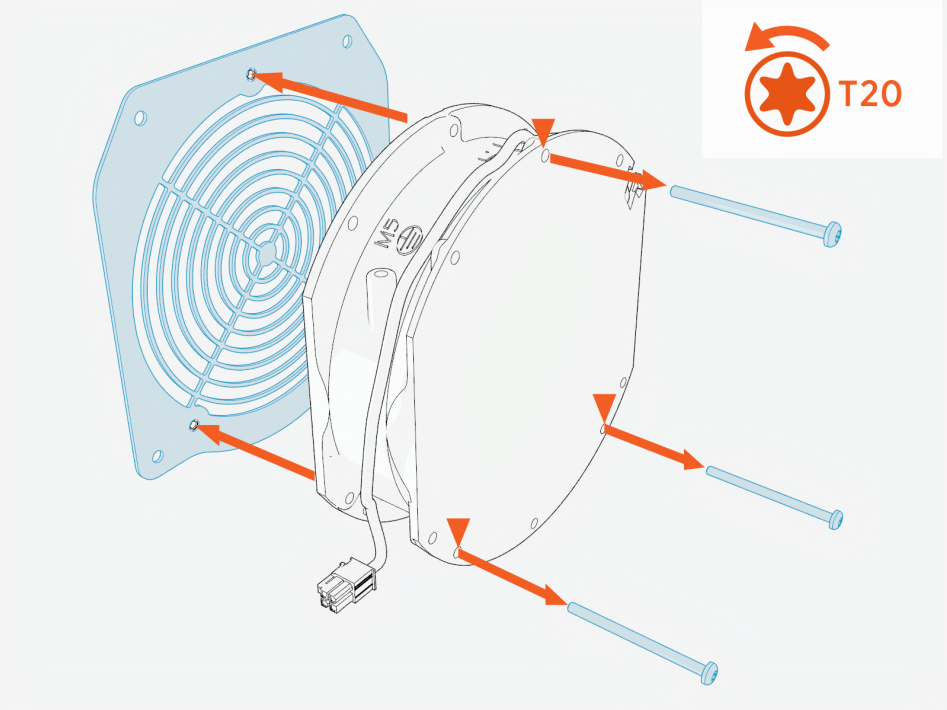
REINSTALL NOTE: Torque the nuts to **4.5 Nm (40 in-lb).**

IMPORTANT: Do not use impact driver to tighten fasteners.

2. Disconnect the cable from the fan and remove it from the DC power module.



3. Remove the M4 screws (x3) from the fan.

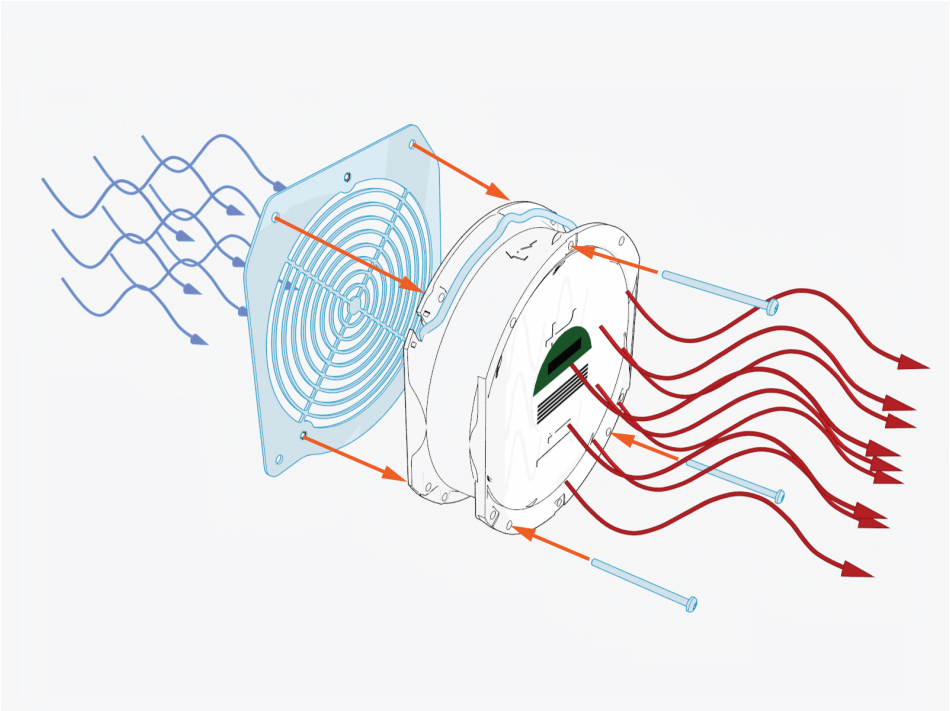


REINSTALL NOTE: Torque these screws to **2.8 Nm (25 in-lb)**.

IMPORTANT: Do not use impact driver to tighten fasteners.

REINSTALL NOTE:

- When installing the fan, make sure that the sticker on the fan is facing inward.
- Secure the fan cable along the curved guide on the fan. Ensure it is not loose or dangling. Refer to the following figure.



4. **Reverse the above steps to reinstall with replacement fan for DC power module.**

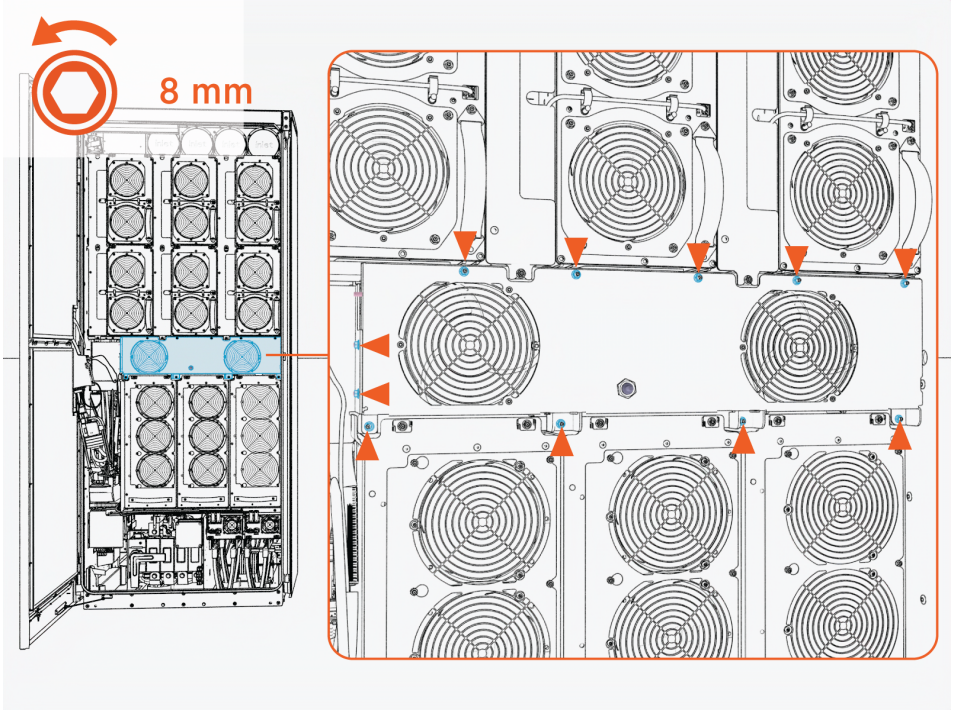
Remove the Fan from the Neutron

The following instructions apply to each Neutron fan.

Required Tools and Materials

- Socket (8 mm)
- Torx screwdriver (T20)
- Torque wrench
- Torque screwdriver

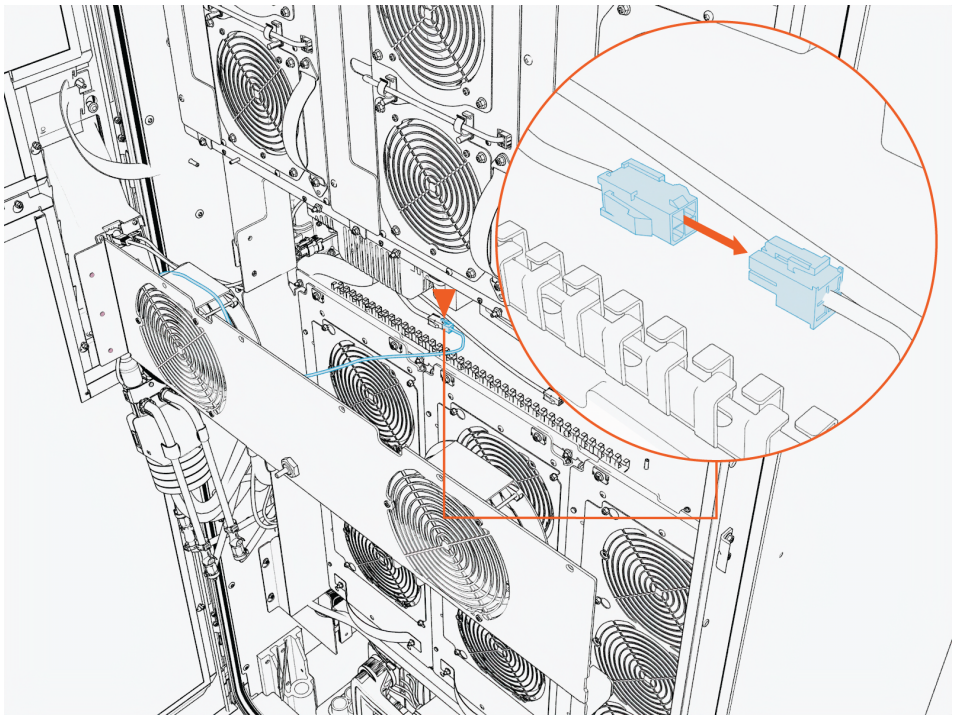
1. Remove the M5 nuts (x11) from the Neutron fan plate.



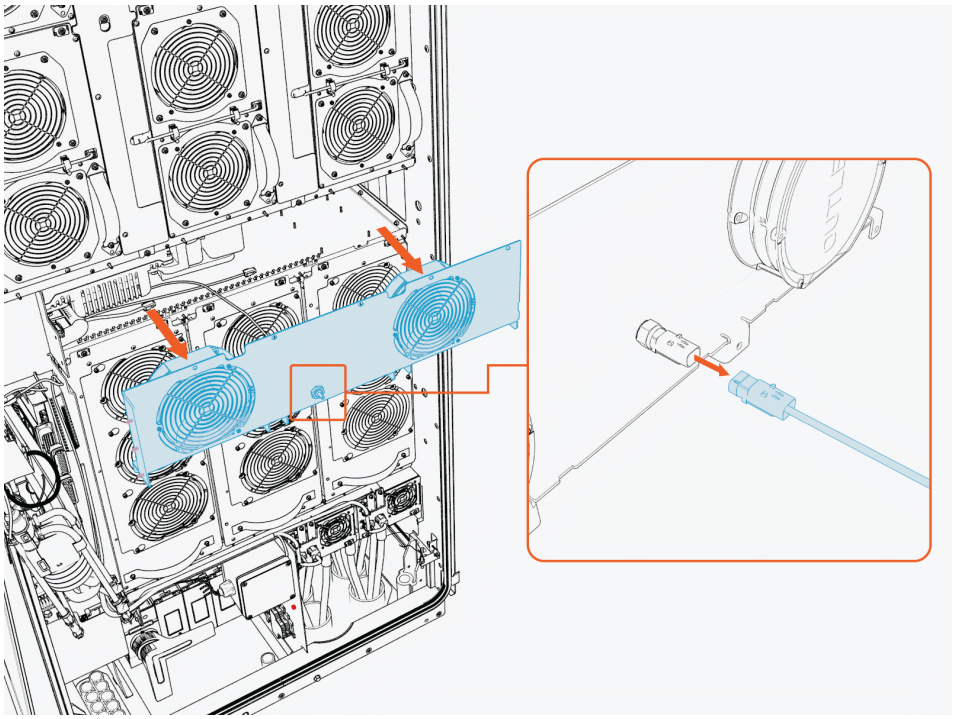
REINSTALL NOTE: Torque the nuts to **4.5 Nm (40 in-lb).**

IMPORTANT: Do not use impact driver to tighten fasteners.

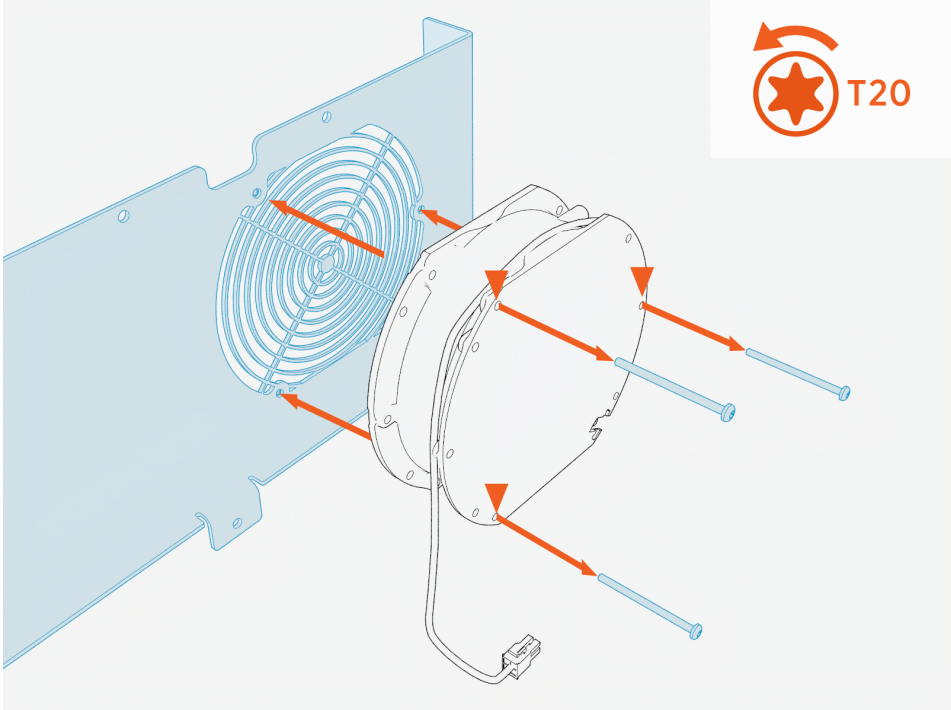
2. Remove the cover and disconnect the fan connectors.



3. Disconnect the RTD sensor.



4. Remove the M4 screws (x3) from the fan.

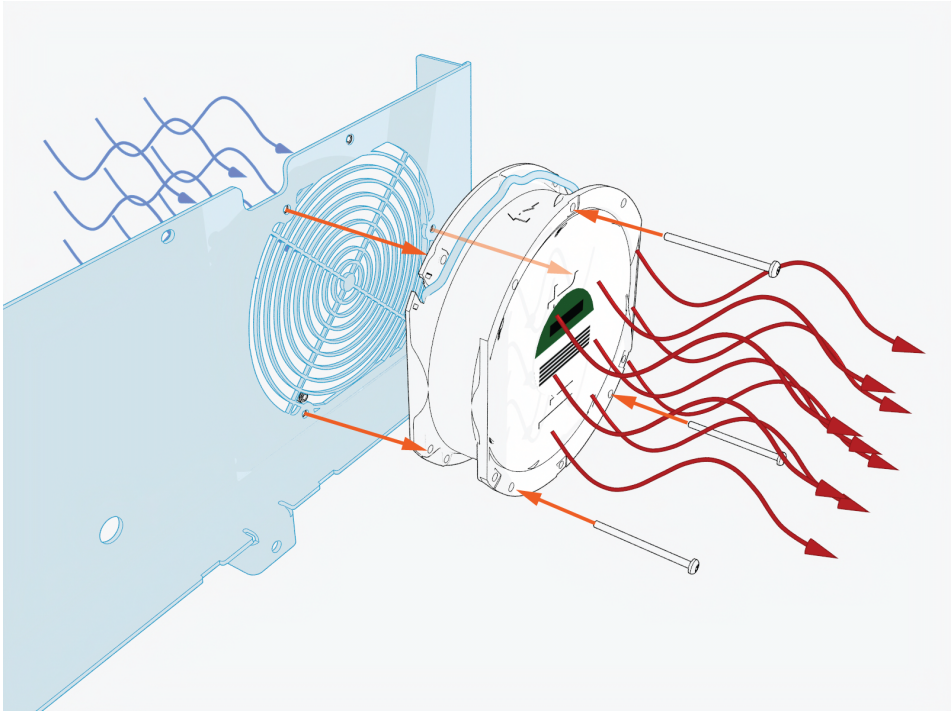


REINSTALL NOTE: Torque these screws to **2.8 Nm (25 in-lb)**.

IMPORTANT: Do not use impact driver to tighten fasteners.

REINSTALL NOTE:

- When installing the fan, make sure that the sticker on the fan is facing inward.
- Secure the fan cable along the curved guide on the fan. Ensure it is not loose or dangling. Refer to the following figure.



5. **Reverse the above steps to reinstall with replacement Neutron fan.**

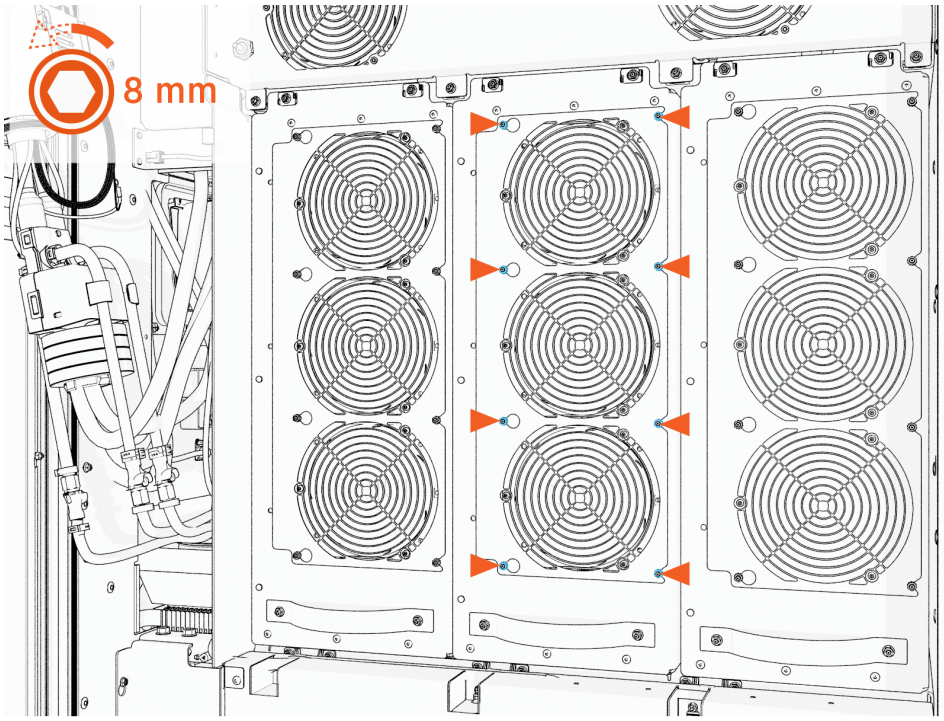
Remove the Fan from AC Power Module

The following instructions apply to each AC power module fan.

Required Tools and Materials

- Socket (8 mm)
- Torx screwdriver (T20)
- Torque wrench
- Torque screwdriver

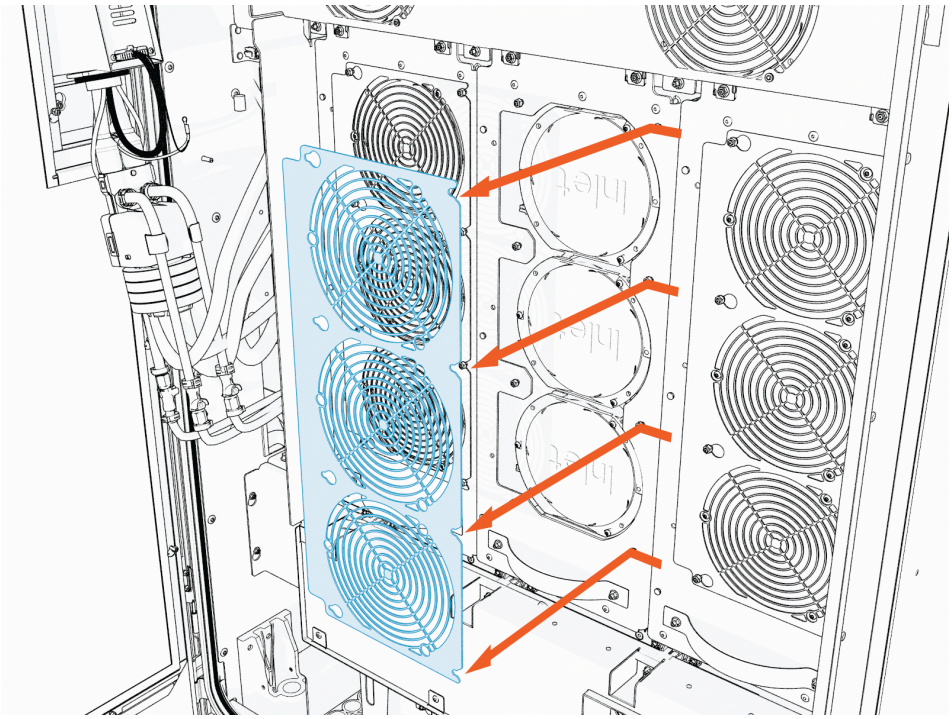
1. Loosen the M5 nuts (x8) from the AC power module enclosure.



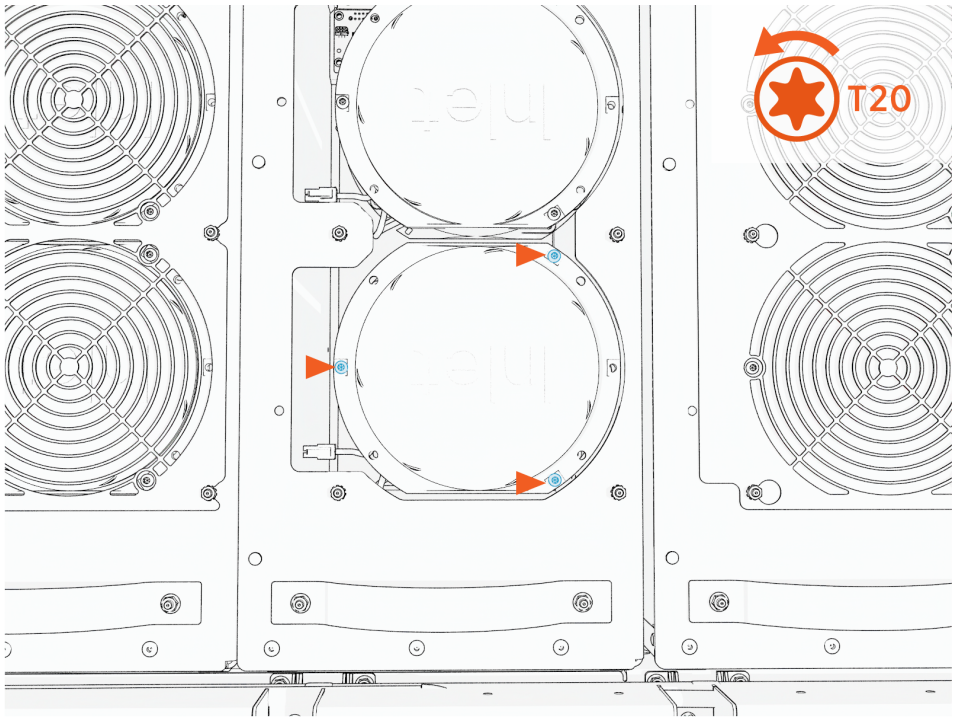
REINSTALL NOTE: Torque the nuts to **4.5 Nm (40 in-lb).**

IMPORTANT: Do not use impact driver to tighten fasteners.

2. Slide the fan tray cover sideways from the keyslot opening and pull it forward to remove.



3. Remove the M4 screws (x3) from the fan.

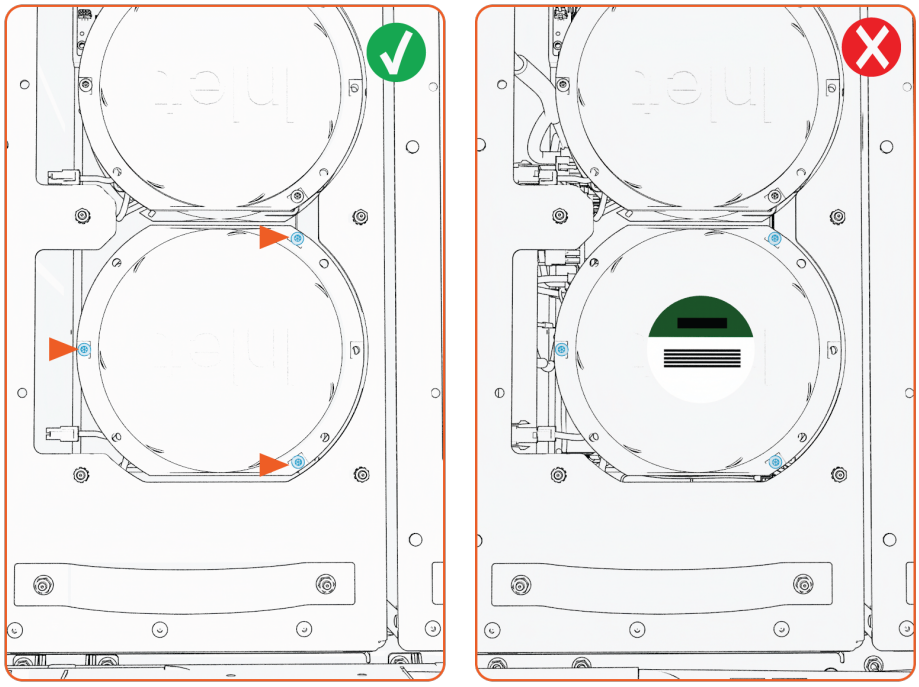


REINSTALL NOTE: Torque these screws to **2.8 Nm (25 in-lb)**.

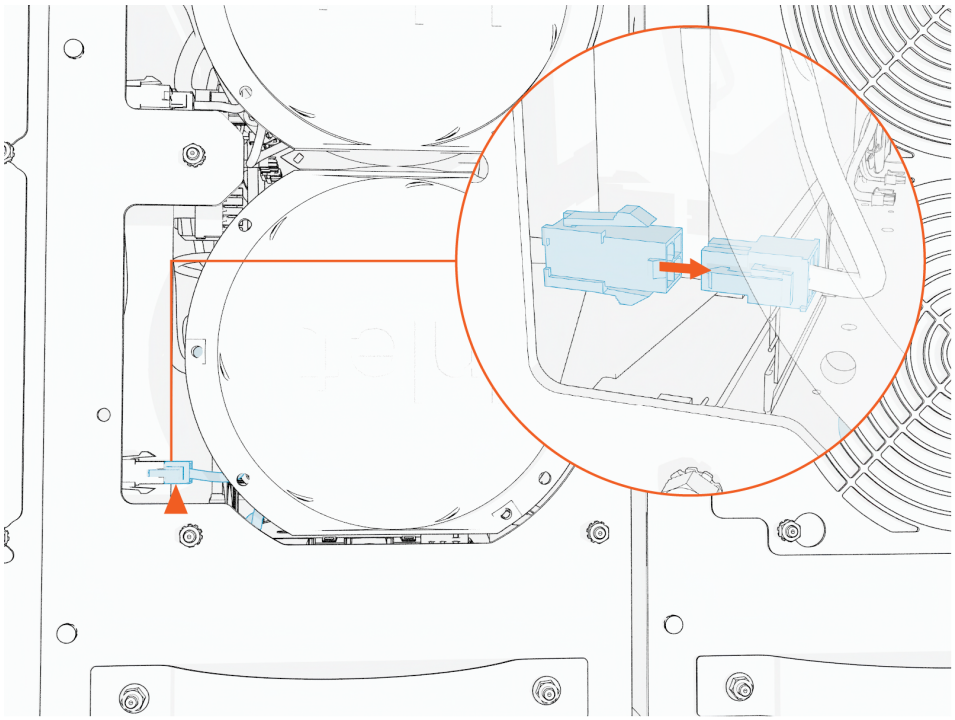
IMPORTANT: Do not use impact driver to tighten fasteners.

REINSTALL NOTE:

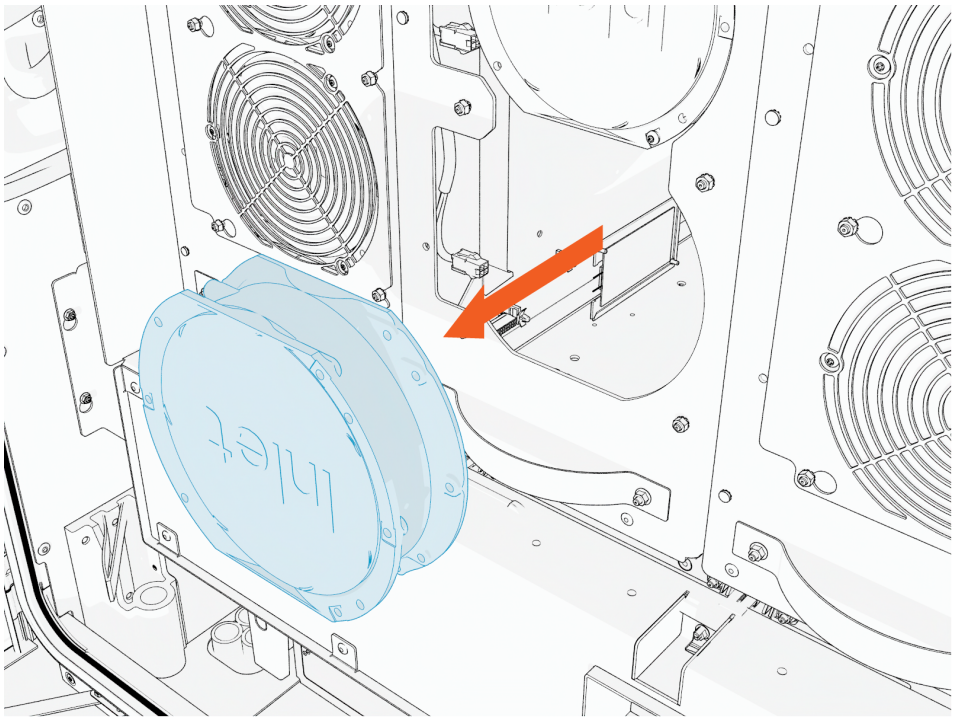
- When installing the fan, make sure that the sticker on the fan is facing inward.
- Secure the fan cable along the curved guide on the fan. Ensure it is not loose or dangling. Refer to the following figure.



4. Disconnect the cable from the fan.



5. Remove the fan from the AC power module.



6. **Reverse the above steps to reinstall with replacement fan for AC power module.**

Auxiliary Power Supply (AUX PS) Module 10

Required Tools and Materials


Socket (8 mm)


Torque wrench


Gloves


Socket extension

Before You Begin

1. Power Off.

   NOTE: Wait at least five minutes for energy to dissipate.

2. Open the intake (right) and exhaust (left) doors.

After replacing the components, reverse the above steps to complete the service.

IMPORTANT:

- Complete the post-service checklist. The checklist is available at ChargePoint Product Reference Documentation.
- Contact ChargePoint regarding faulty part return.

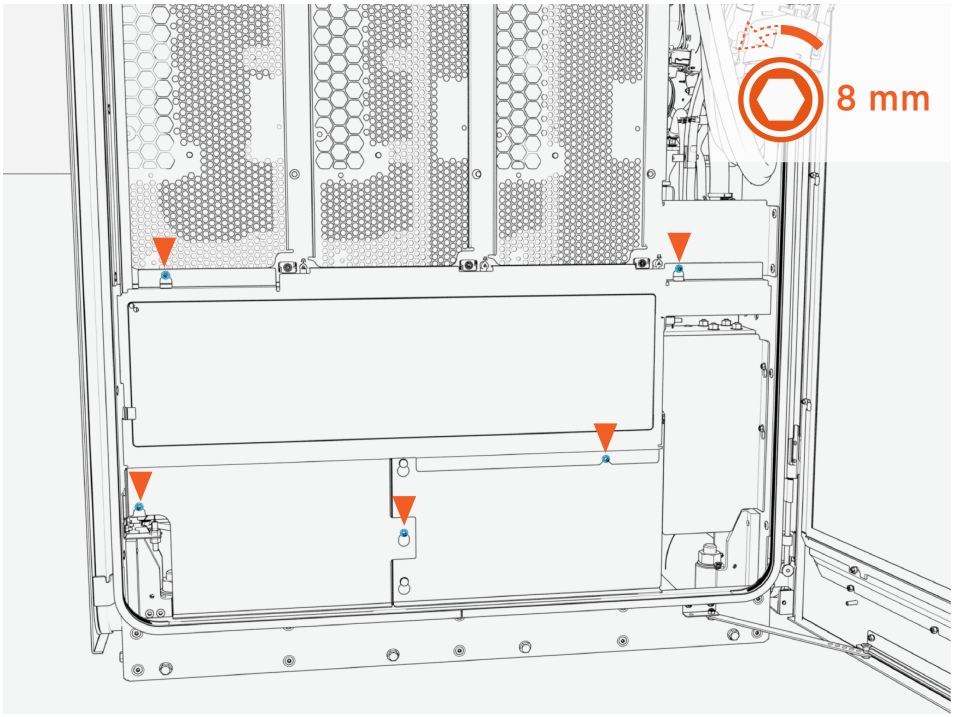
Remove the Safety Covers

Carefully remove the following safety covers:

External DC Output Bus Bars Safety Cover - Exhaust/Left side

Perform the following actions on the exhaust (left) side of the cabinet:

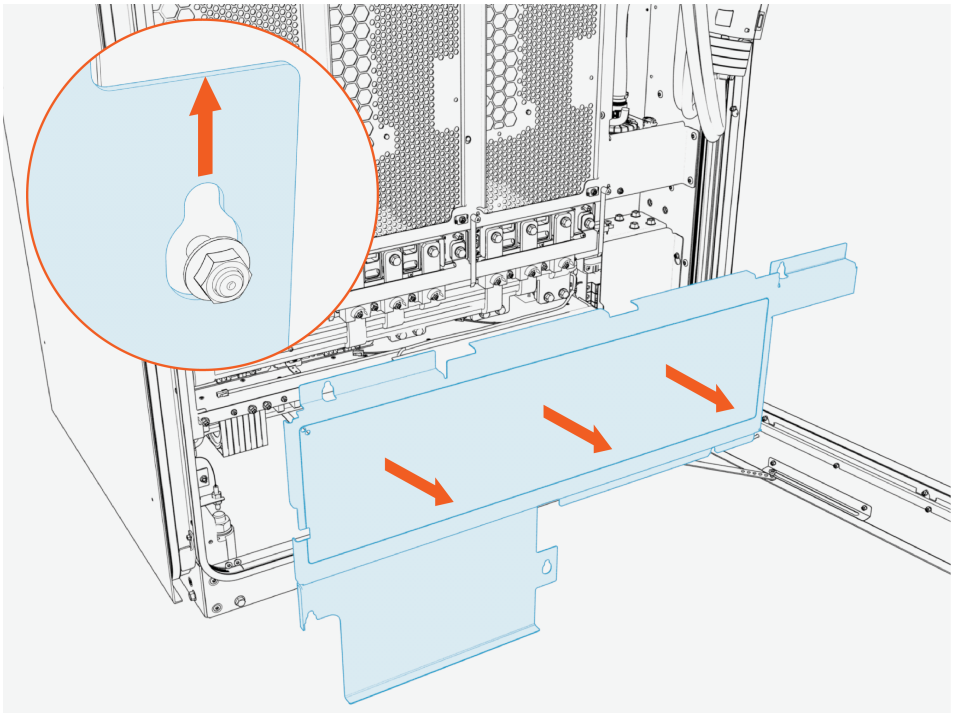
1. Loosen (do not remove) the M5 nuts (x5) that secure the DC bus bar safety cover.



REINSTALL NOTE: Torque the nuts to **4.5 Nm (40 in-lb).**

IMPORTANT: Do not use impact driver to tighten fasteners.

2. Slide the cover upward to release the keyholes. Then pull outward to remove the safety cover.

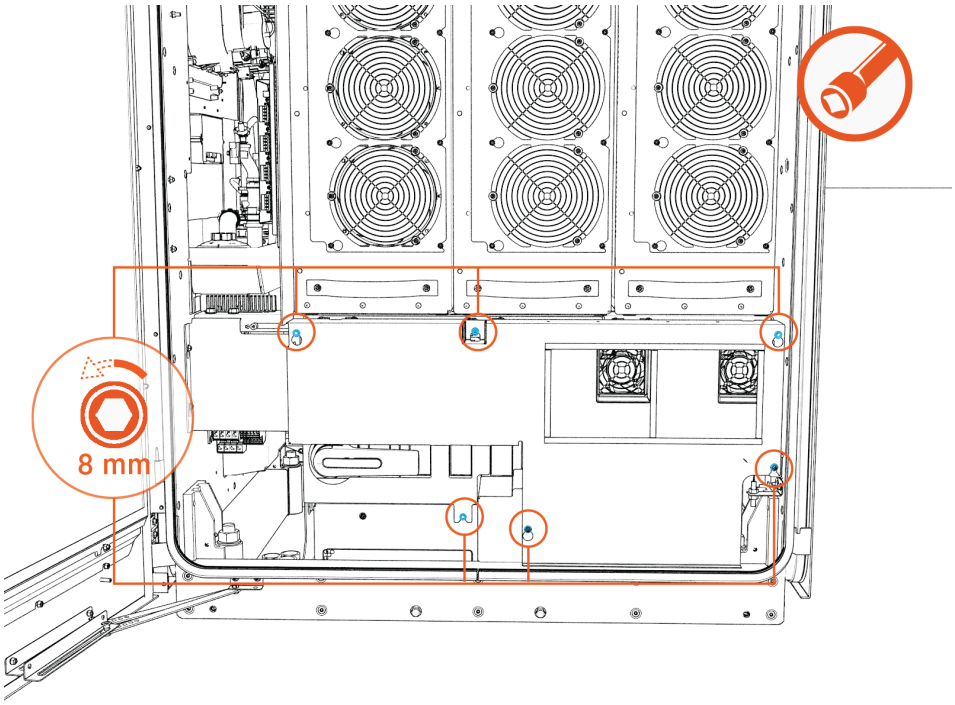


3. **Reverse the above steps to reinstall the safety cover after service.**

DC Output Bus Bars Safety Cover - Intake/Fan Side

Perform the following actions on the intake (right) side of the cabinet:

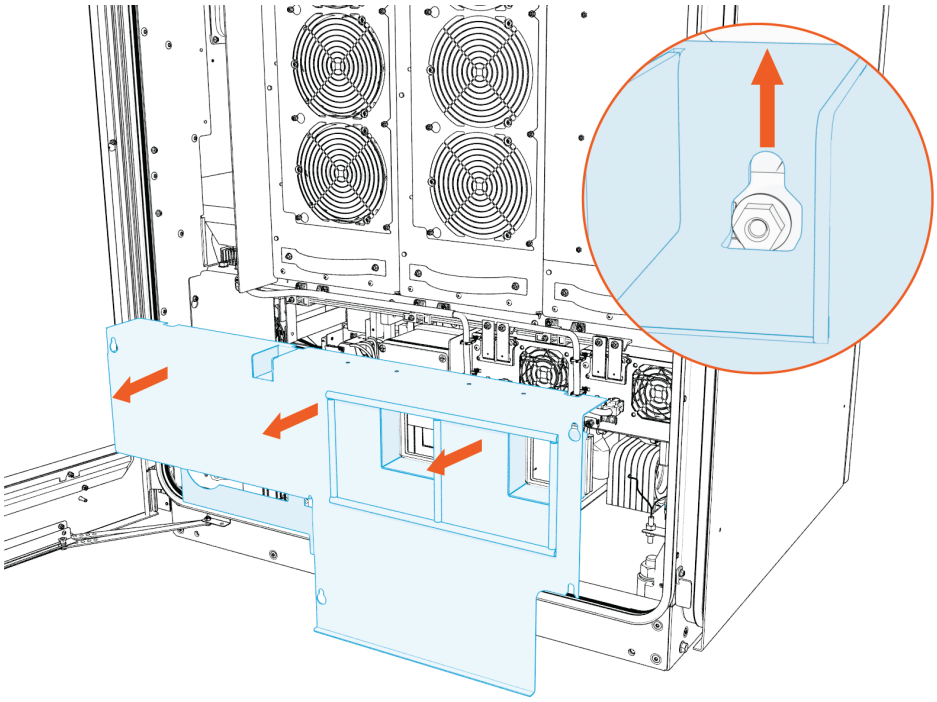
1. Loosen (do not remove) the M5 nuts (x6) that secure the DC bus bars safety cover.



REINSTALL NOTE: Torque the nuts to **4.5 Nm (40 in-lb).**

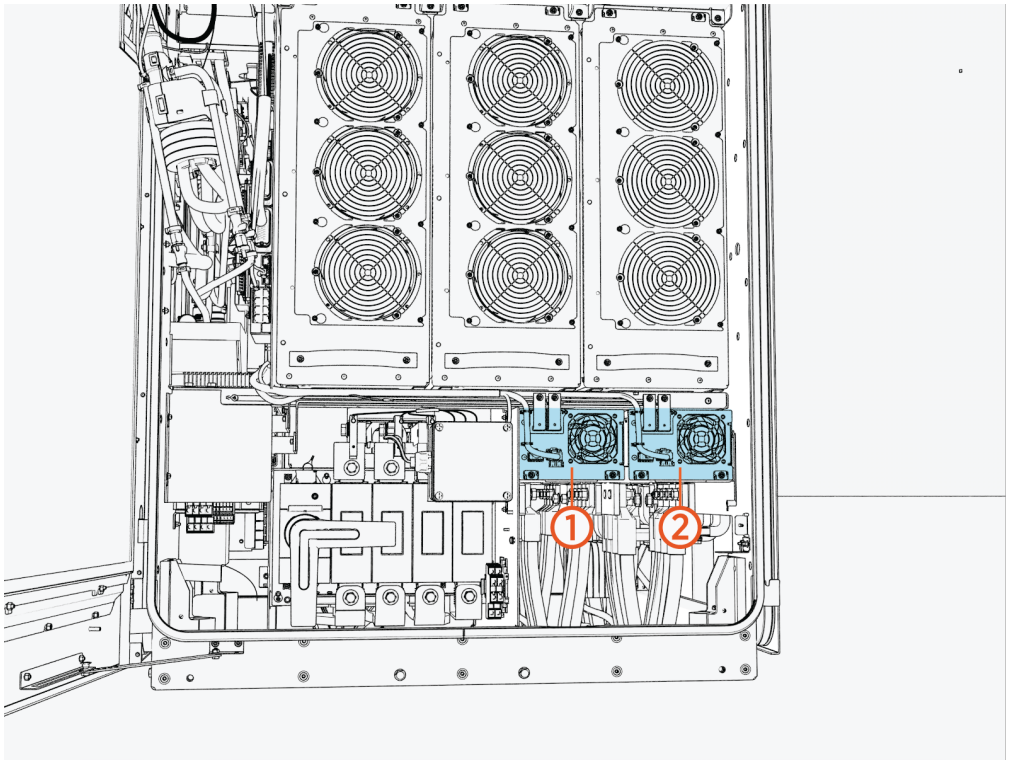
IMPORTANT: Do not use impact driver to tighten fasteners.

2. Slide the cover upward to release the keyholes. Then pull forward to remove the safety cover.



3. **Reverse the above steps to reinstall the safety cover after service.**

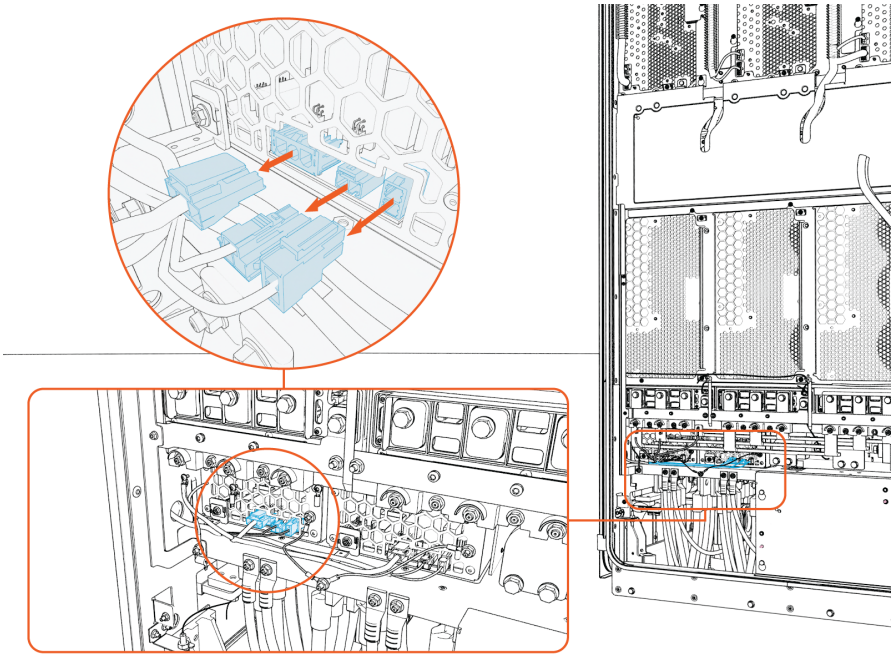
Identify Target Auxiliary Power Supply (AUX PS)



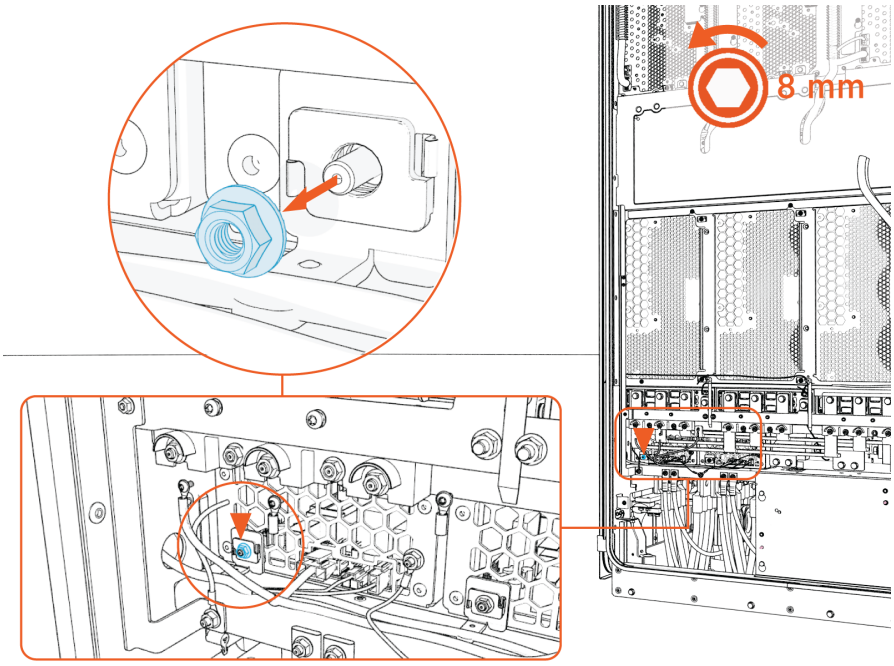
NOTE: The Express Solo contains two AUX PS modules. The following procedure applies to one module. Repeat the same steps for the other modules, as required.

Remove the AUX PS Module

1. Perform the following actions on the exhaust (left) side of the cabinet.
    a. Disconnect the connectors.



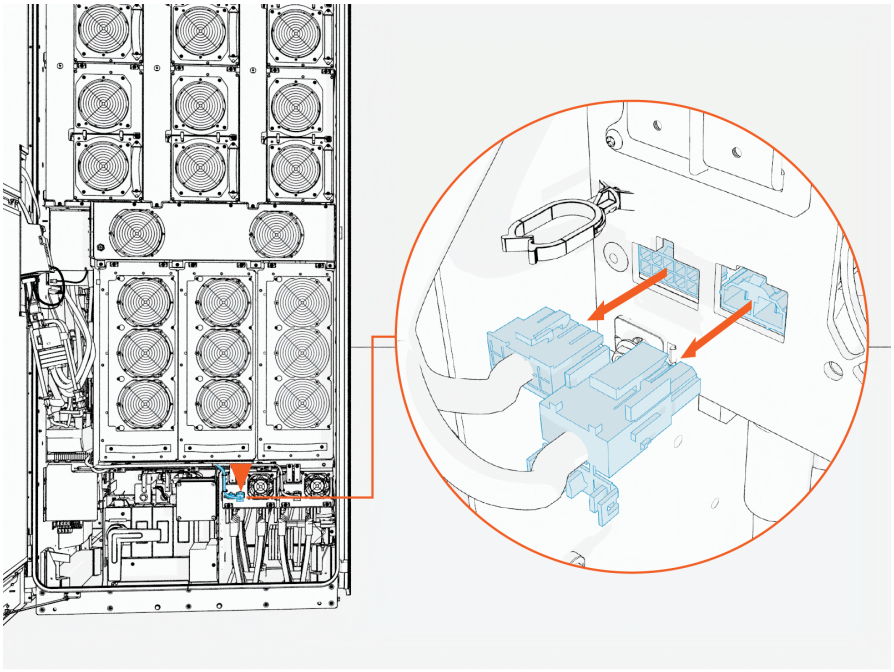
b. Remove the M5 nut.



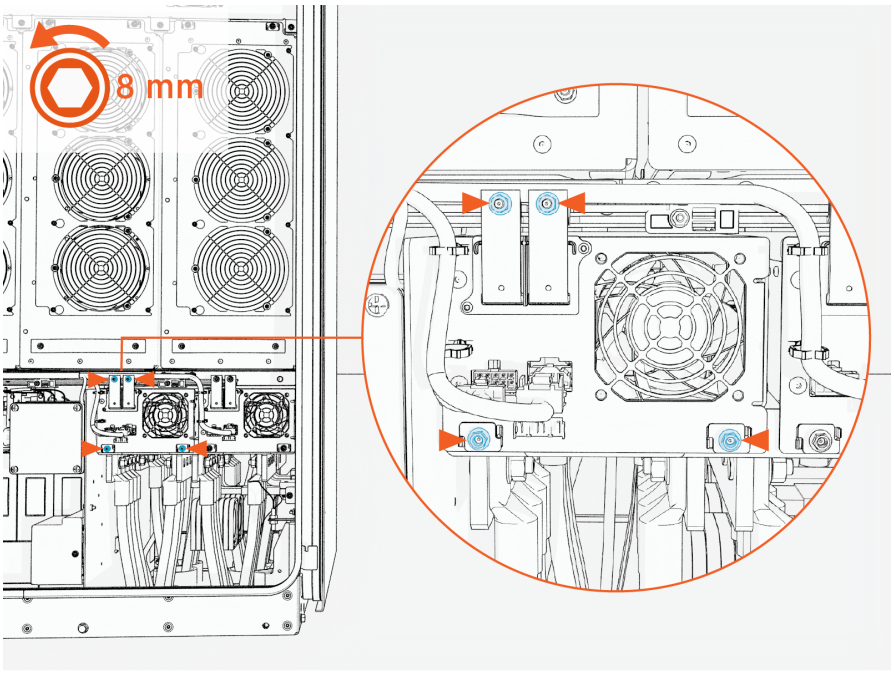
REINSTALL NOTE: Torque the nuts to **4.5 Nm (40 in-lb).**

IMPORTANT: Do not use impact driver to tighten fasteners.

2. Perform the following actions on the intake (right) side of the cabinet.
    a. Disconnect the connectors and remove the connectors from the clip.



b. Remove the M5 nuts (x4) from the output bus bar and the Aux power supply enclosure.



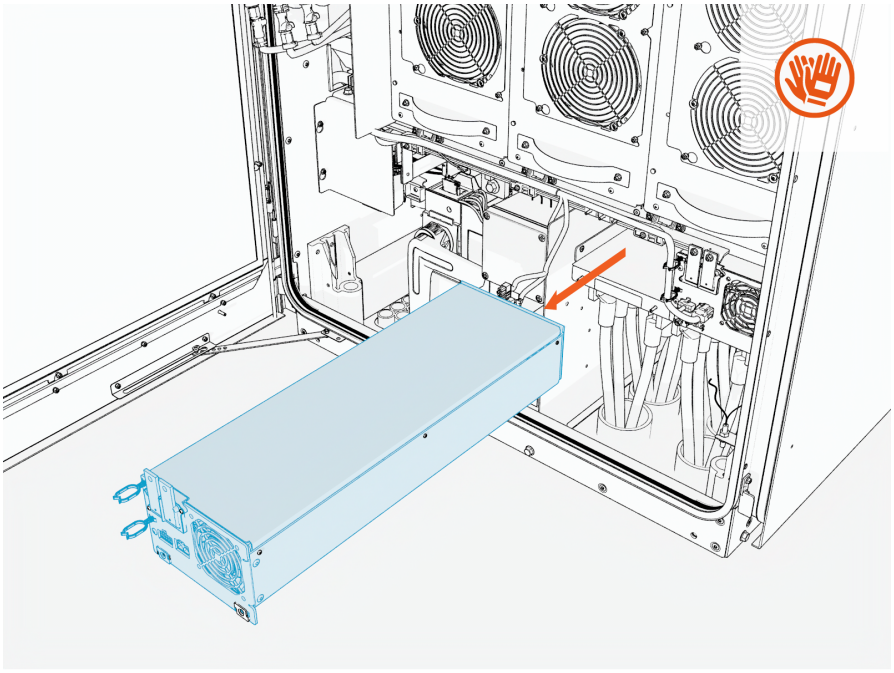
REINSTALL NOTE: Torque the nuts to **4.5 Nm (40 in-lb).**

IMPORTANT: Do not use impact driver to tighten fasteners.

c. Pull the Aux power supply module straight out of the enclosure.

WARNING: Before sliding out the module, verify that all cables and connectors are disconnected. Moving the module while connected can result in equipment damage.

NOTE: If the module is stuck, push it from the rear side to release and remove it.



3. **Reverse the above steps to reinstall with replacement Aux power supply module.**

CCOM/Display 11

WARNING: On Express Solo units certified for Eichrecht, the CCOM/display is not easily replaceable. As a standard practice, if replacing the CCOM/display, the Neutron MID meter and charge cable must also be replaced. Removing these components breaks both the digital and physical sealing, which invalidates Eichrecht compliance and disables the station for public charging in affected jurisdictions. Only ChargePoint or qualified Instandsetzer (a technician certified for Eichrecht work) can replace these components while preserving Eichrecht validity. You can identify an Eichrecht-certified Express Solo by the "DE-M" mark on the nameplate.

NOTE: This section is not applicable for Power Block 2000.

Required Tools and Materials


Socket (8 mm)


Torx screwdriver (T10 and T25)


Torque wrench


Torque screwdriver

Before You Begin

1. Power Off.

   NOTE: Wait at least five minutes for energy to dissipate.

2. Open the display door.

After replacing the components, reverse the above steps to complete the service.

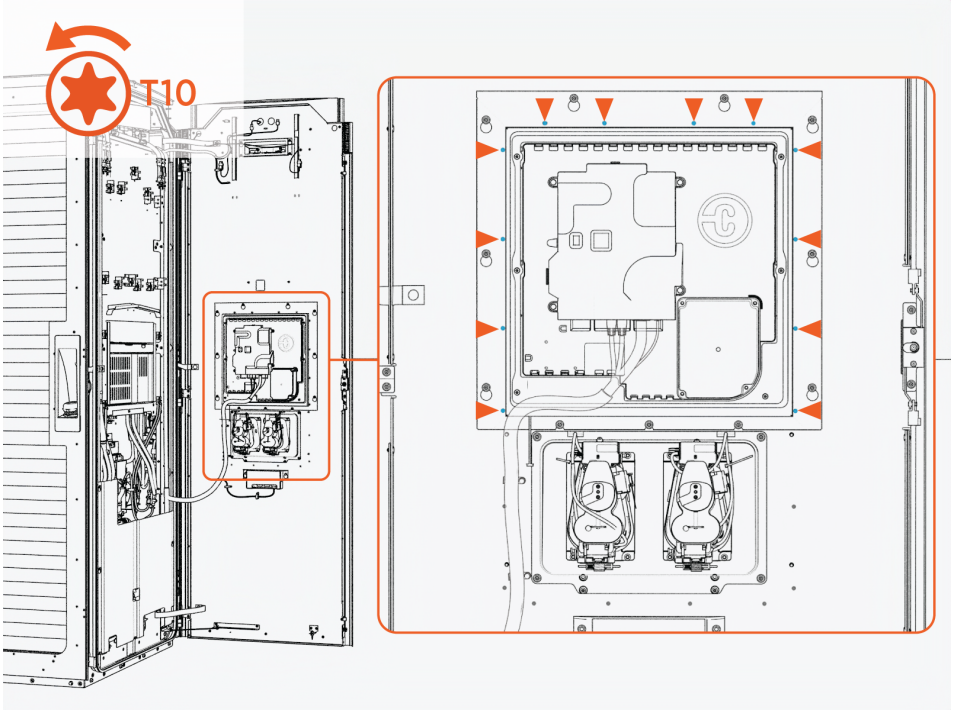
IMPORTANT:

- Complete the post-service checklist. The checklist is available at ChargePoint Product Reference Documentation.
- Contact ChargePoint regarding faulty part return.

Remove the Display

To remove the display for replacement, follow these steps.

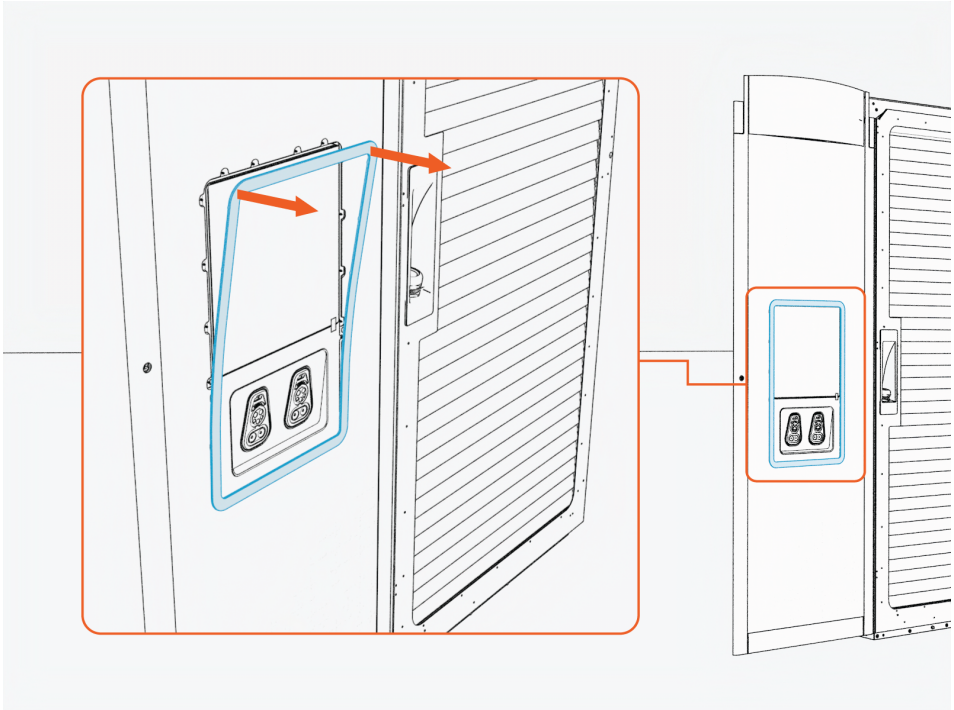
1. Remove the M3 screws (x12).



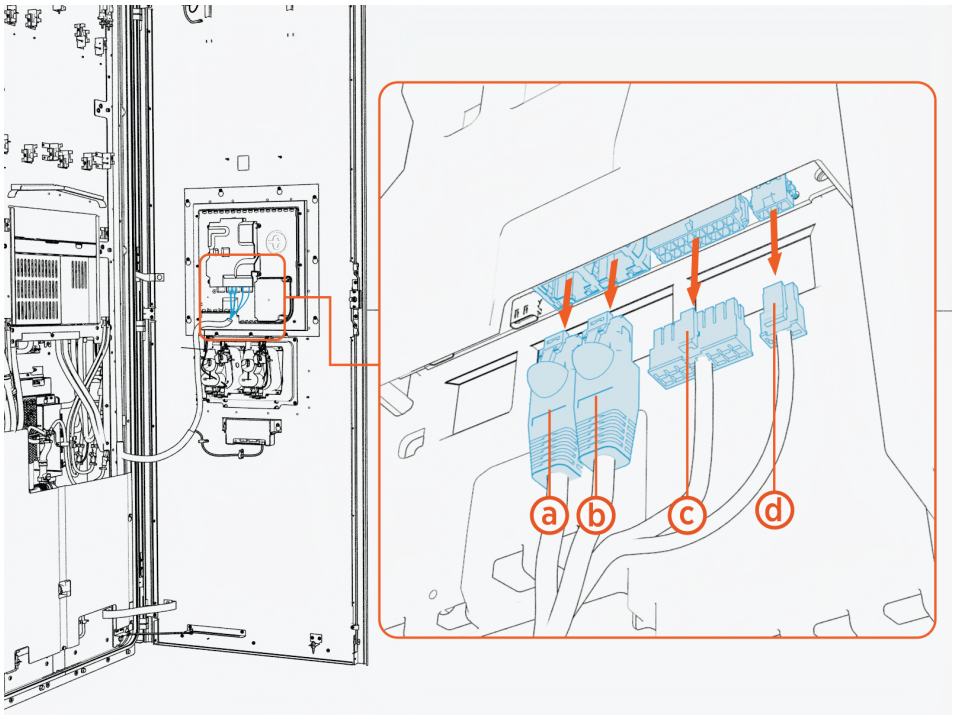
REINSTALL NOTE: Torque the screws to **0.57 Nm (5 in-lb)**.

IMPORTANT: Do not use impact driver to tighten fasteners.

2. Pull out only the top part of the trim from the door.



3. Disconnect the connectors from the display ports.



(a) Ethernet Surge

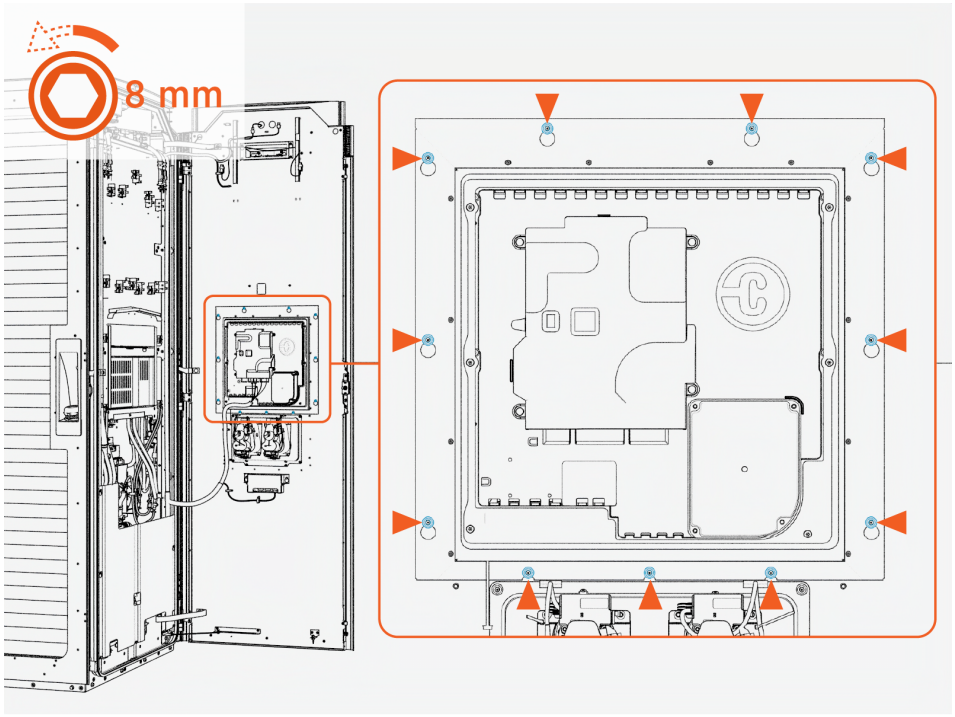
(b) SSLAN

(c) 197-J2

(d) 197-J8

REINSTALL NOTE: Match the labels on the cables to the labels on the cable ports to ensure correct connectivity.

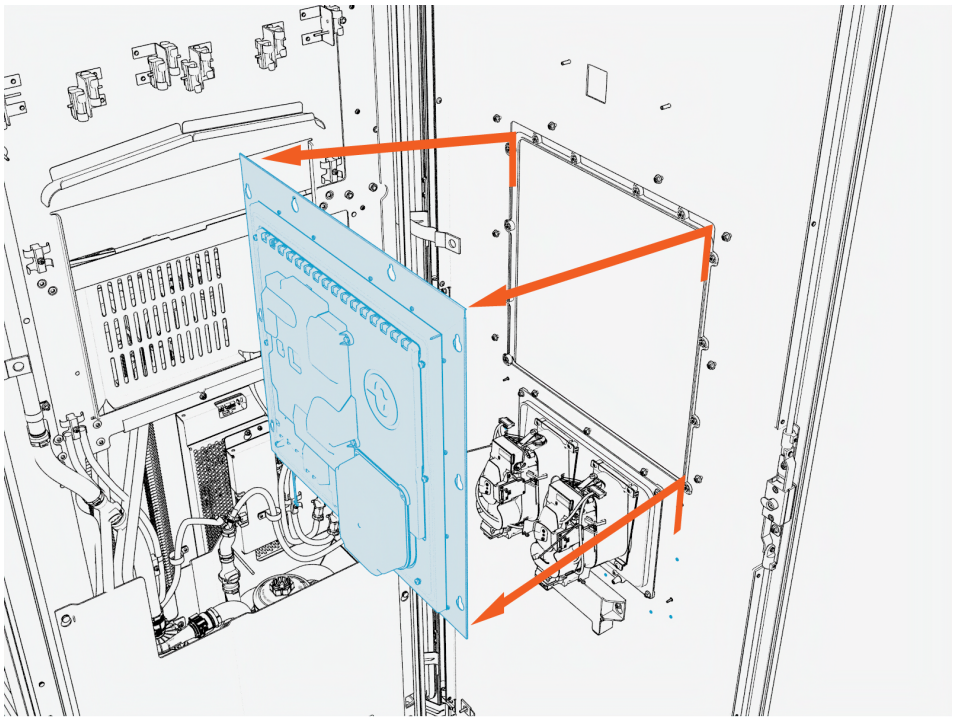
4. Loosen the M5 nuts (x11) around the display bracket.



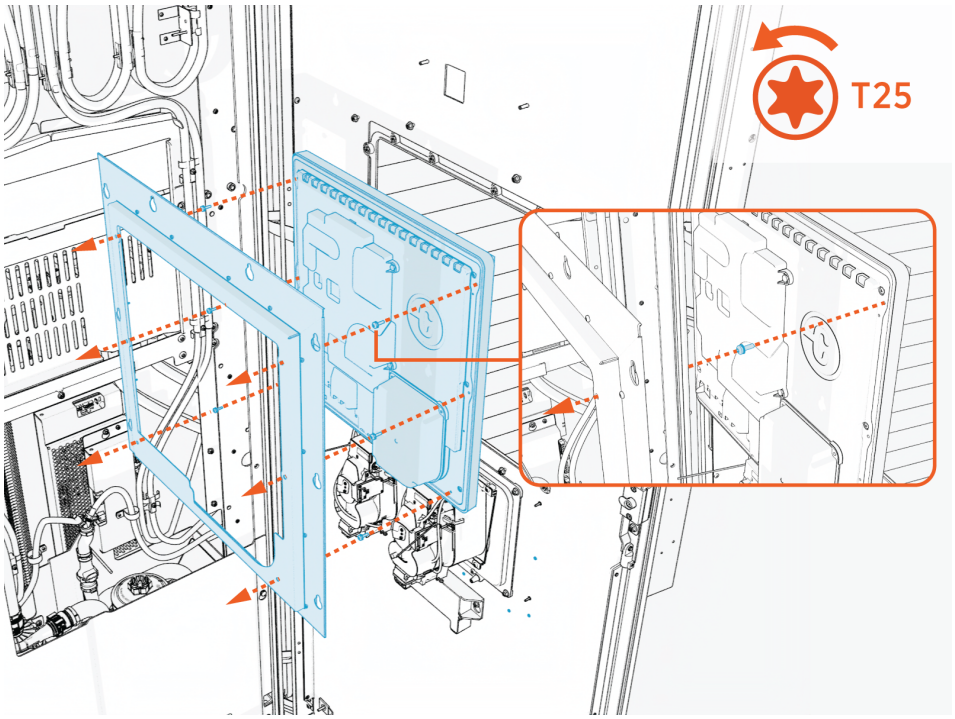
REINSTALL NOTE: Torque the nuts to **4.5 Nm (40 in-lb).**

IMPORTANT: Do not use impact driver to tighten fasteners.

5. Lift the display module upward from the keyslot, pull it forward.



6. Remove the screws and remove the display from the bracket.



7. **Reverse the above steps to reinstall with replacement 15-inch display.**

Charging Cable 12

WARNING: On Express Solo units certified for Eichrecht, the CCOM/display is not easily replaceable. As a standard practice, if replacing the CCOM/display, the Neutron MID meter and charge cables must also be replaced. Removing these components breaks both the digital and physical sealing, which invalidates Eichrecht compliance and disables the station for public charging in affected jurisdictions. Only ChargePoint or qualified Instandsetzer (a technician certified for Eichrecht work) can replace these components while preserving Eichrecht validity. You can identify an Eichrecht-certified Express Solo by the "DE-M" mark on the nameplate.

NOTE: This section is not applicable for Power Block 2000.

Required Tools and Materials

- Socket (8 mm and 13 mm)
- Torx screwdriver (T20 and T25)
- Torque wrench/driver
- Stepladder

NOTE: Installing the charging cable requires at least two people.

Before You Begin

1. Power Off.

   NOTE: Wait at least five minutes for energy to dissipate.

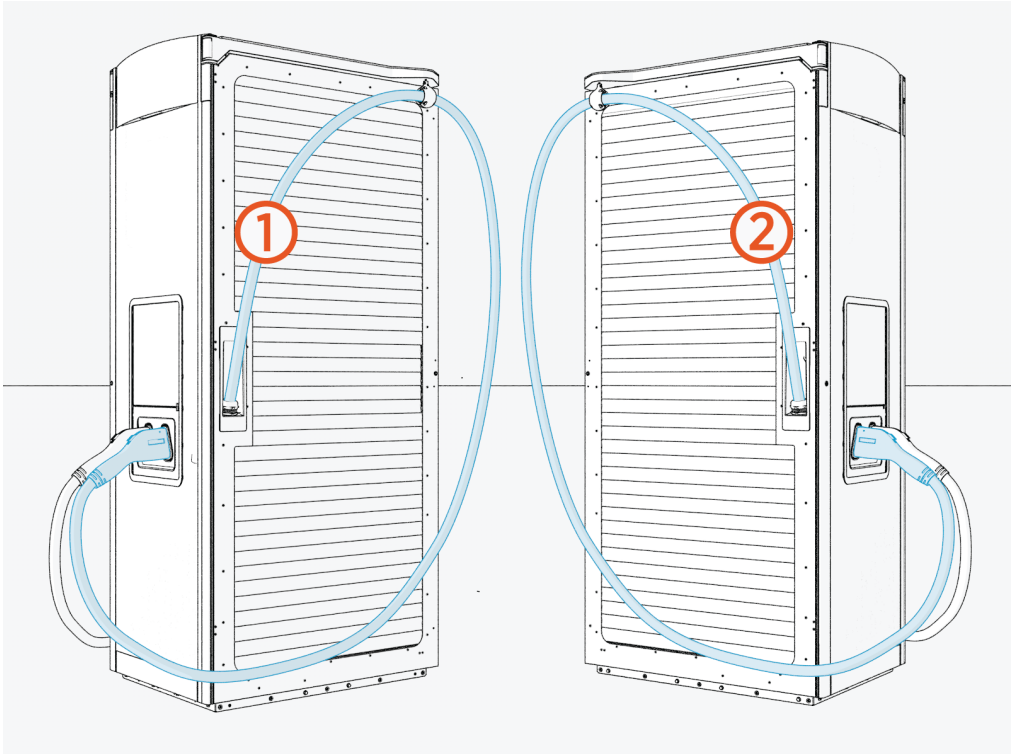
2. Open the intake (right) and display doors.

After replacing the components, reverse the above steps to complete the service.

IMPORTANT:

- Complete the post-service checklist. The checklist is available at ChargePoint Product Reference Documentation.
- Contact ChargePoint regarding faulty part return.

Identify Target Charging Cable

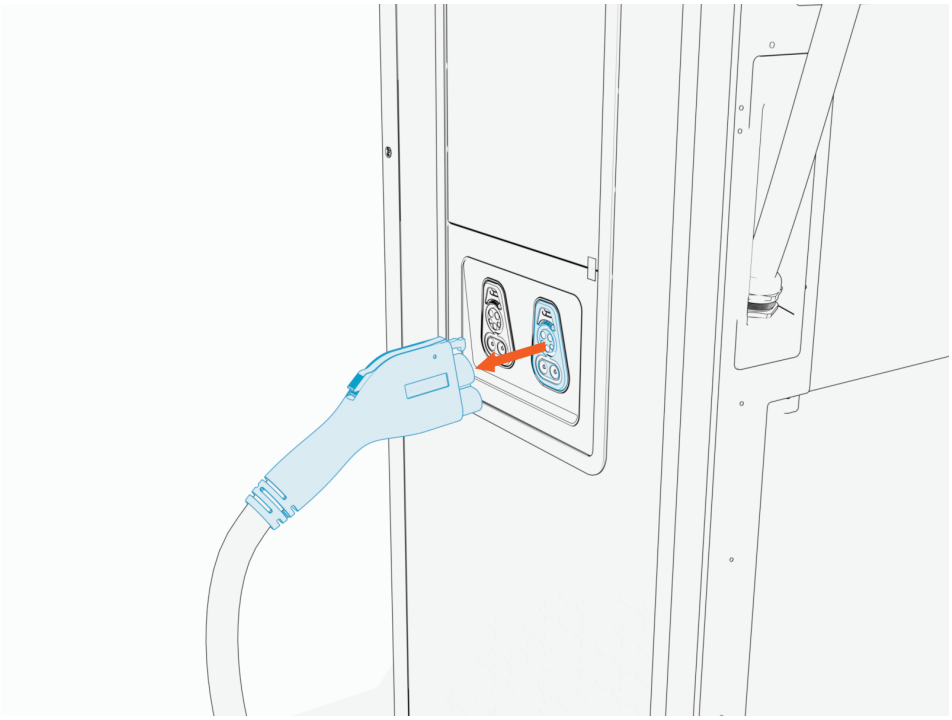


NOTE: The following procedure applies to one cable. Repeat the same steps for the other cable, as required.

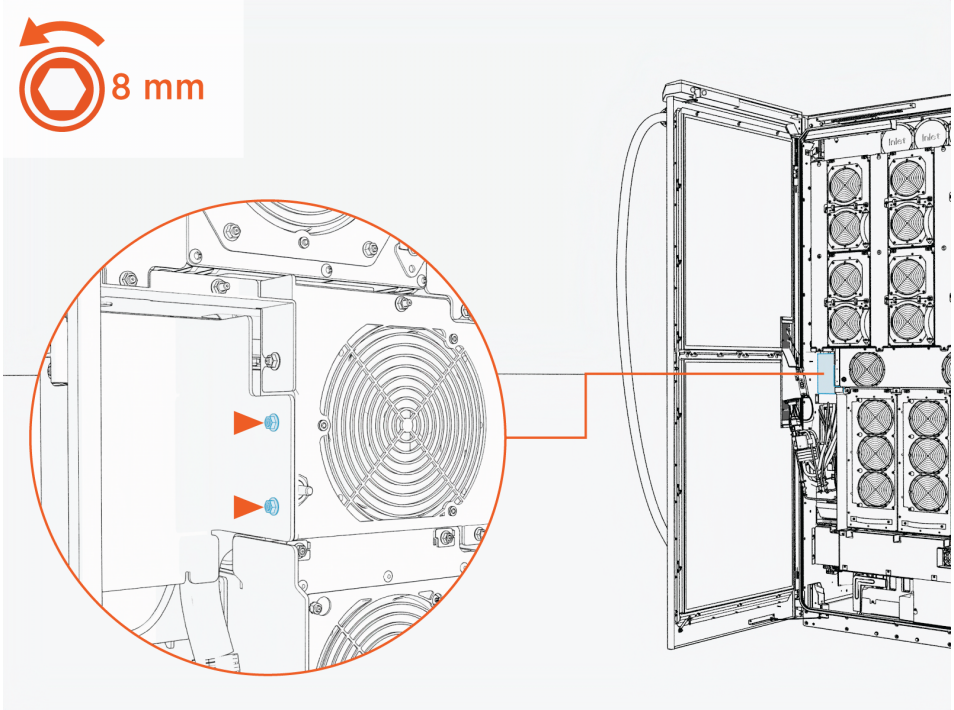
Remove the Charging Cable

To remove the charging cable for replacement, follow these steps.

1. Detach the charging cable connector from the holster.



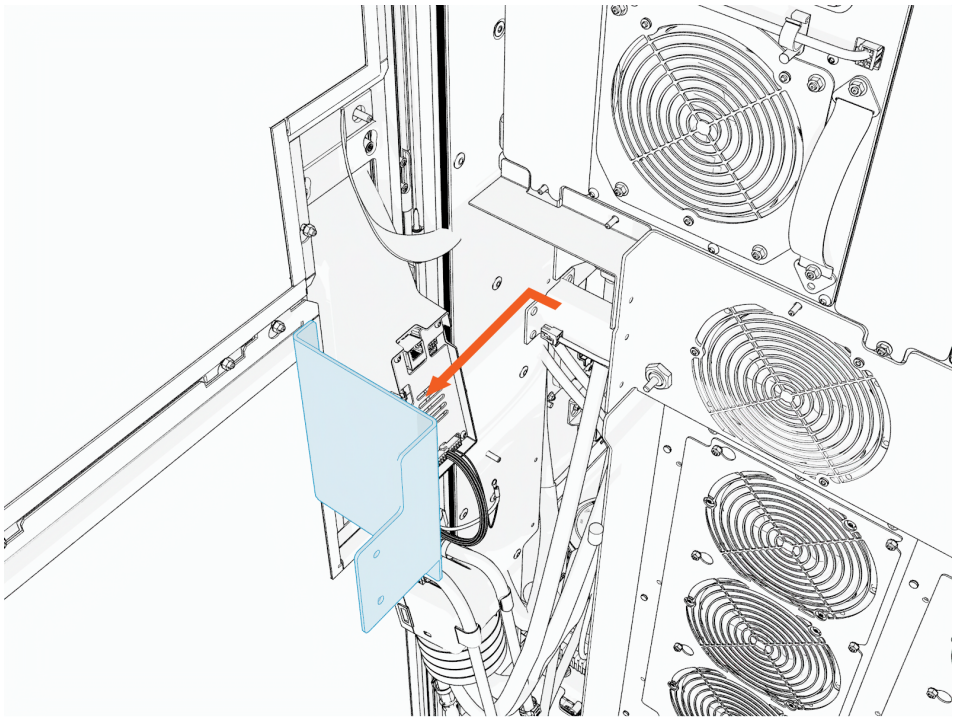
2. On intake (right) side of the cabinet, remove the M5 nuts (x2).



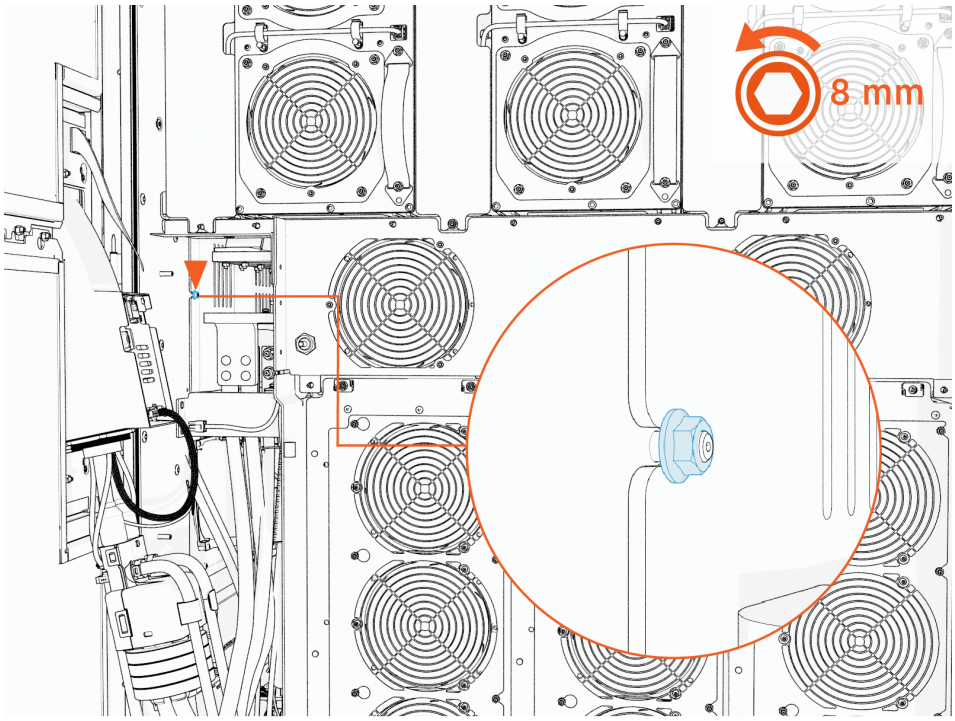
REINSTALL NOTE: Torque the nuts to **4.5 Nm (40 in-lb).**

IMPORTANT: Do not use impact driver to tighten fasteners.

3. Remove the safety cover.



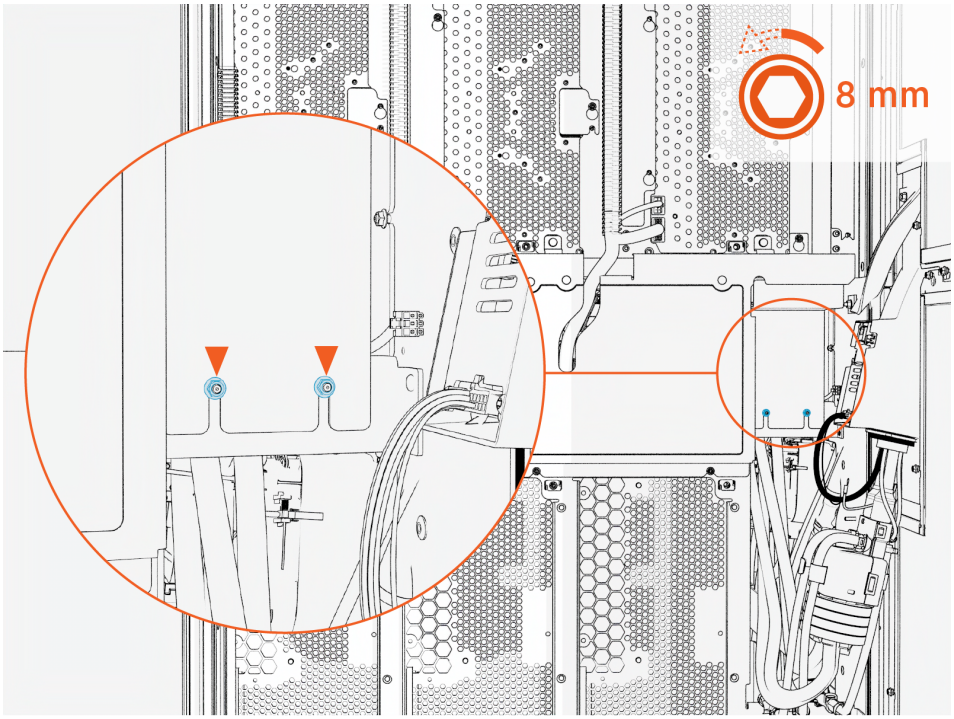
4. Remove the M5 nut from the safety shield.



REINSTALL NOTE: Torque the nuts to **4.5 Nm (40 in-lb).**

IMPORTANT: Do not use impact driver to tighten fasteners.

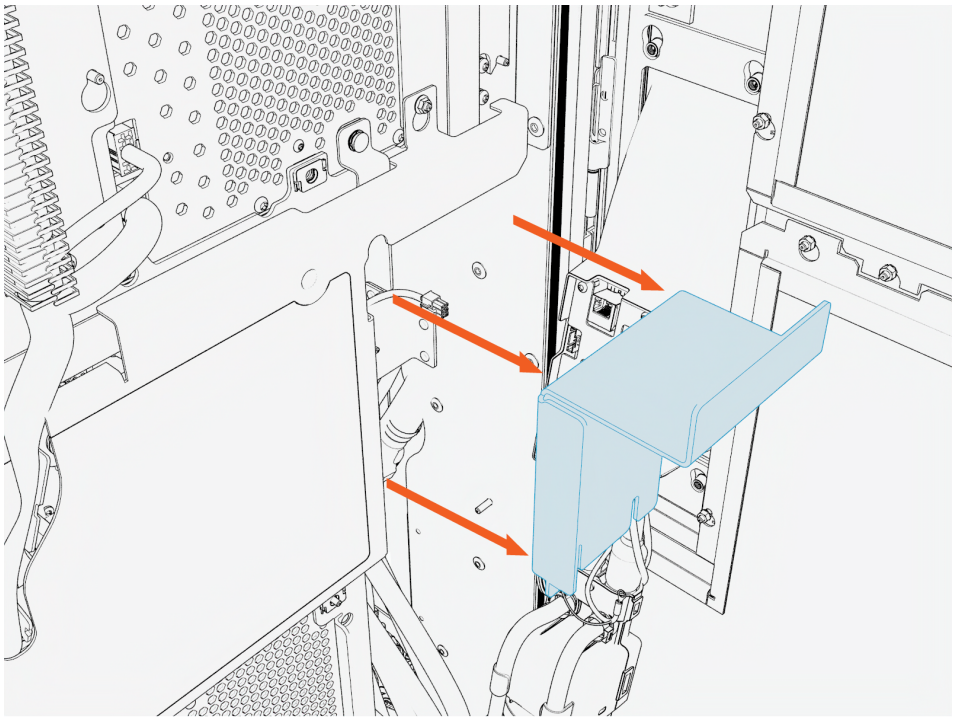
5. On exhaust (left) side of the cabinet, loosen the M5 nuts (x2).



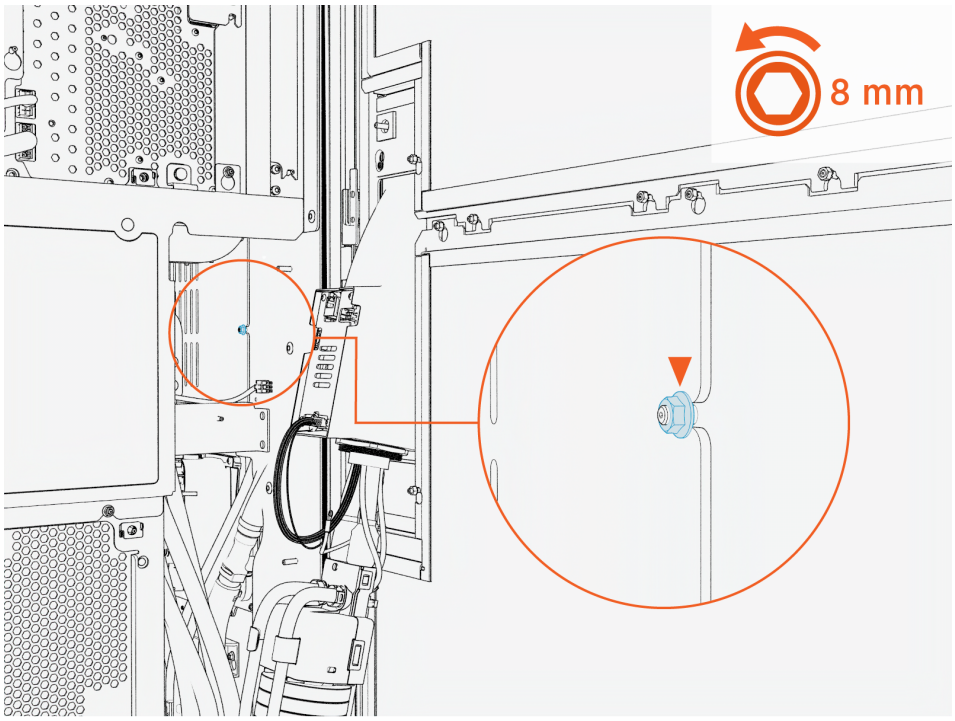
REINSTALL NOTE: Torque the nuts to **4.5 Nm (40 in-lb).**

IMPORTANT: Do not use impact driver to tighten fasteners.

6. Remove the exhaust (left) safety cover.



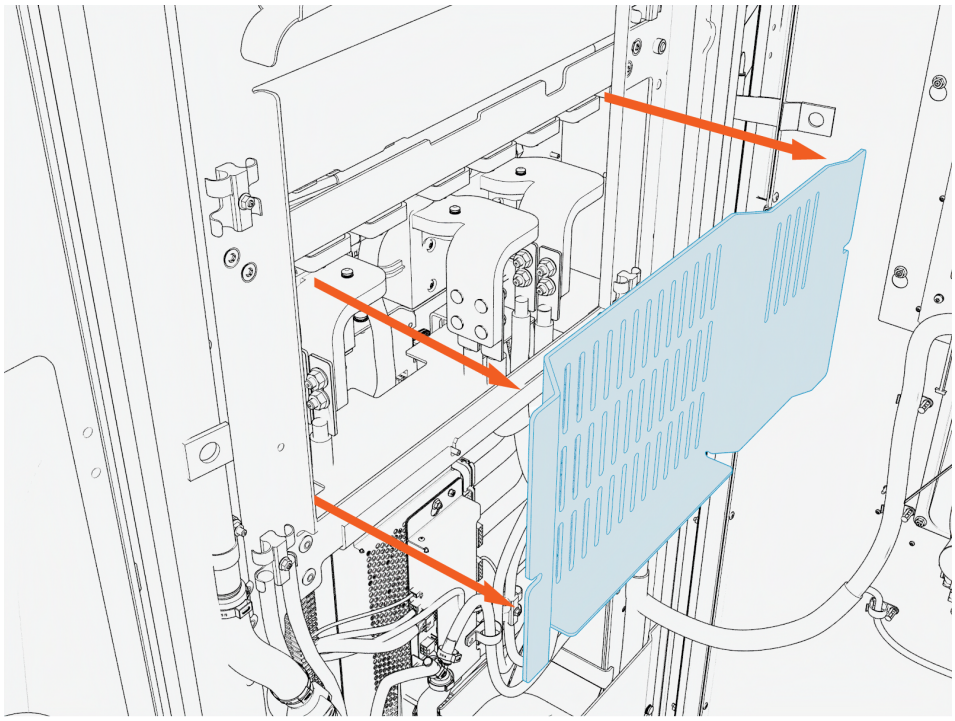
7. Remove the M5 nut from the safety shield.



REINSTALL NOTE: Torque the nuts to **4.5 Nm (40 in-lb).**

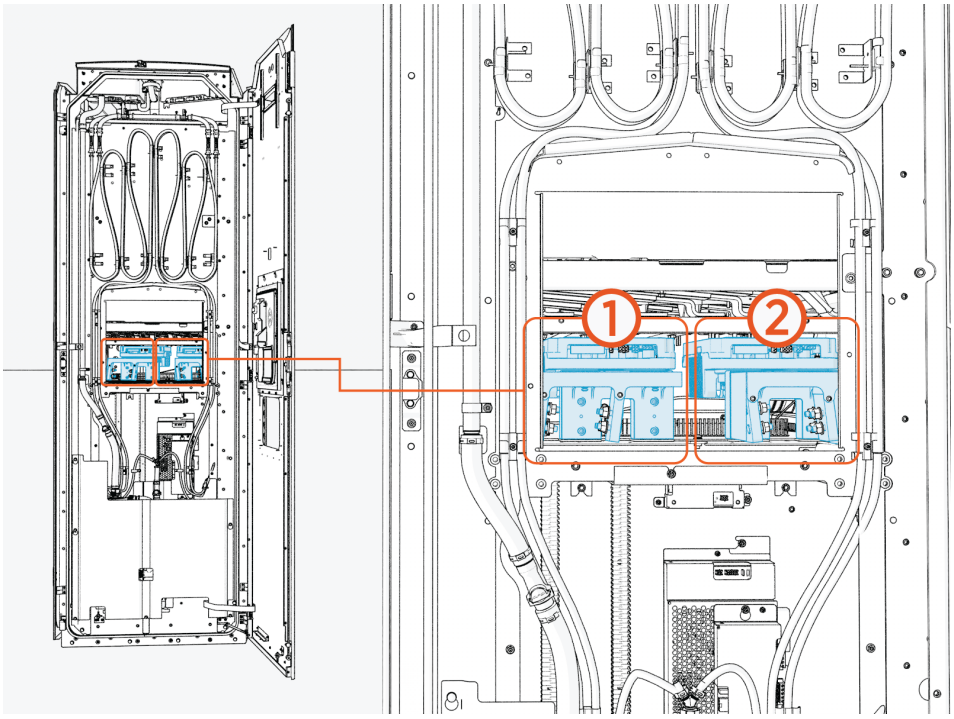
IMPORTANT: Do not use impact driver to tighten fasteners.

8. At the front side of the cabinet, remove the safety shield.



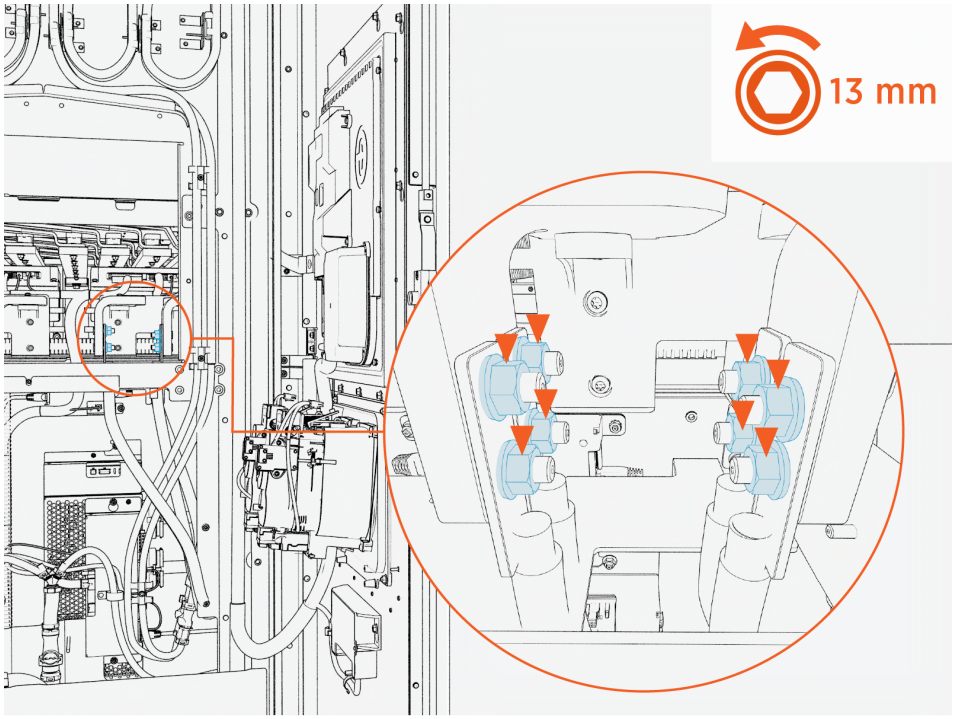
9. Identify the busbar set.

> **NOTE:** There are two busbar set, **(1)** for the Right cable, and **(2)** for the Left cable. For the procedure, left cable removal is hsown.



10. Remove the M8 lug nuts (x8) from the charging cable lugs.

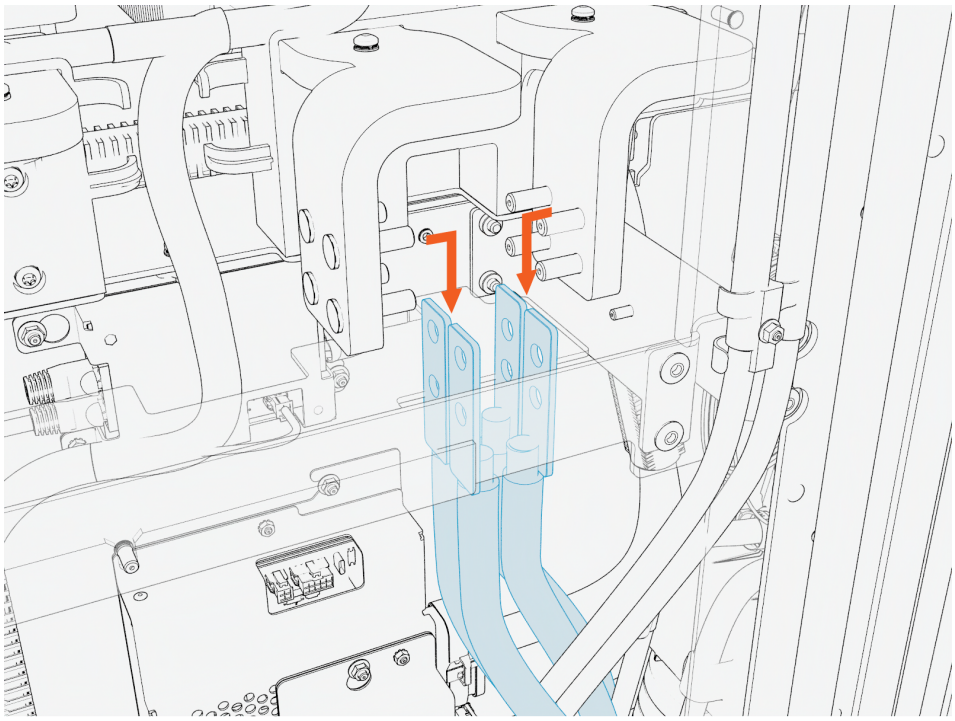
CAUTION: Exercise extreme care when removing the bus bar fasteners. Do not allow fasteners, washers, or other metallic objects to fall into the cabinet. Any dropped hardware must be located and removed before the charger is returned to service.Loose metal objects inside the cabinet can create an electrical hazard and result in equipment failure.



REINSTALL NOTE: Torque the bolts to **12.2 Nm (108 in-lb)**. Mark all torqued bolts.

IMPORTANT: Do not use impact driver to tighten fasteners.

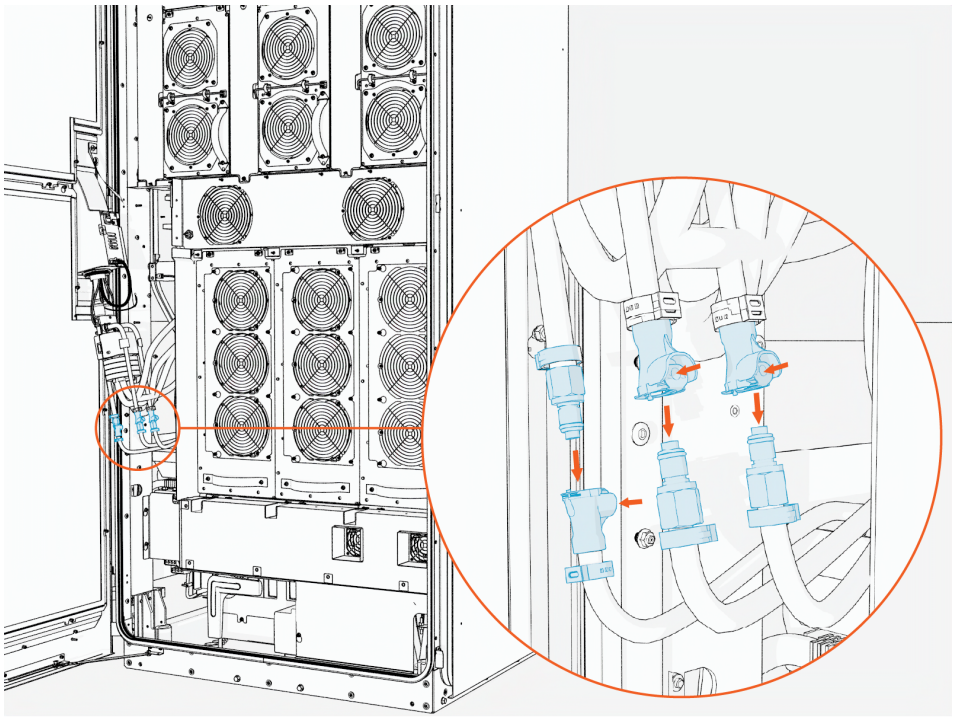
11. Remove the charging cable lugs.



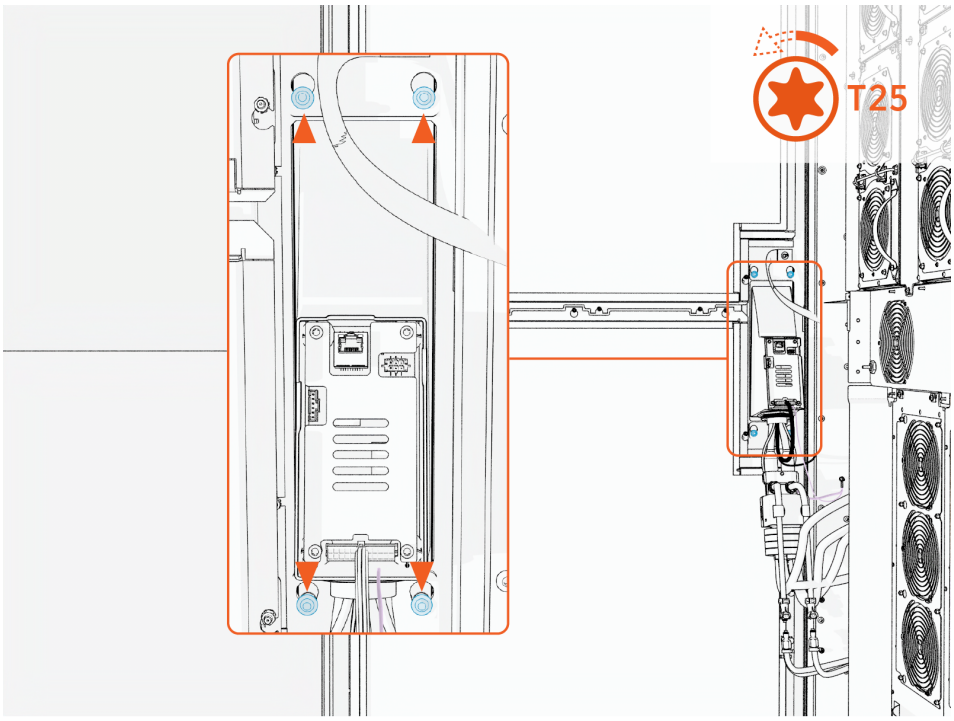
12. Disconnect the fluid quick-disconnect fittings from the charging cable.

IMPORTANT: This step is applicable only for the Liquid Cooled Cable (LCC).

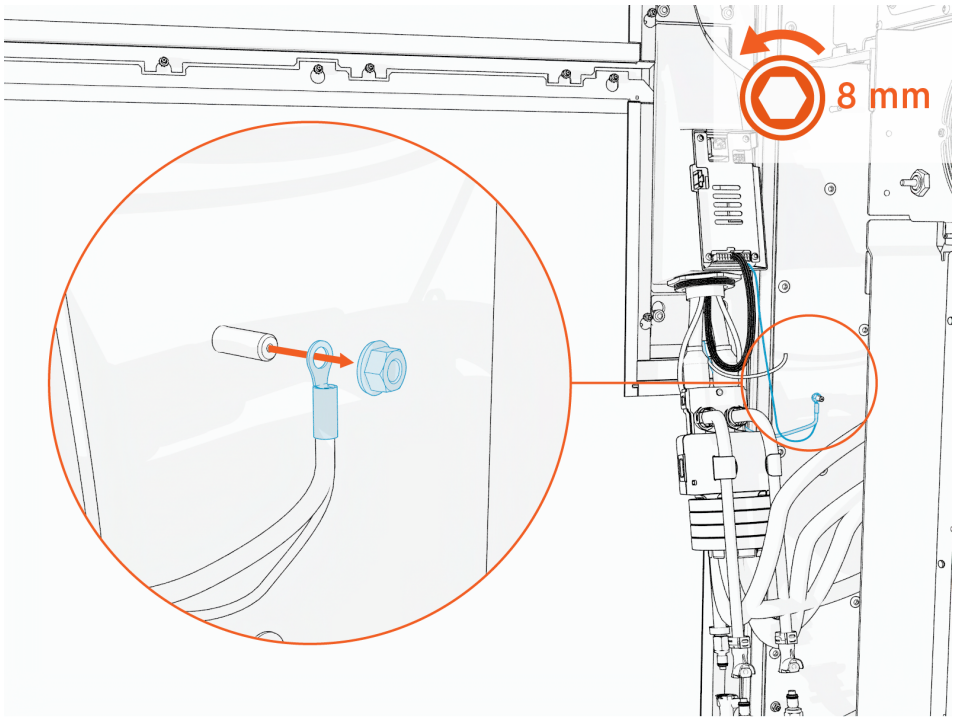
NOTE: Return to the side of the cabinet and locate the charging cable assembly on the inner side of the door. Disconnect the coolant hose quick-disconnect fittings.



13. Loosen the screws (x4) that mount the charging cable assembly to the door.



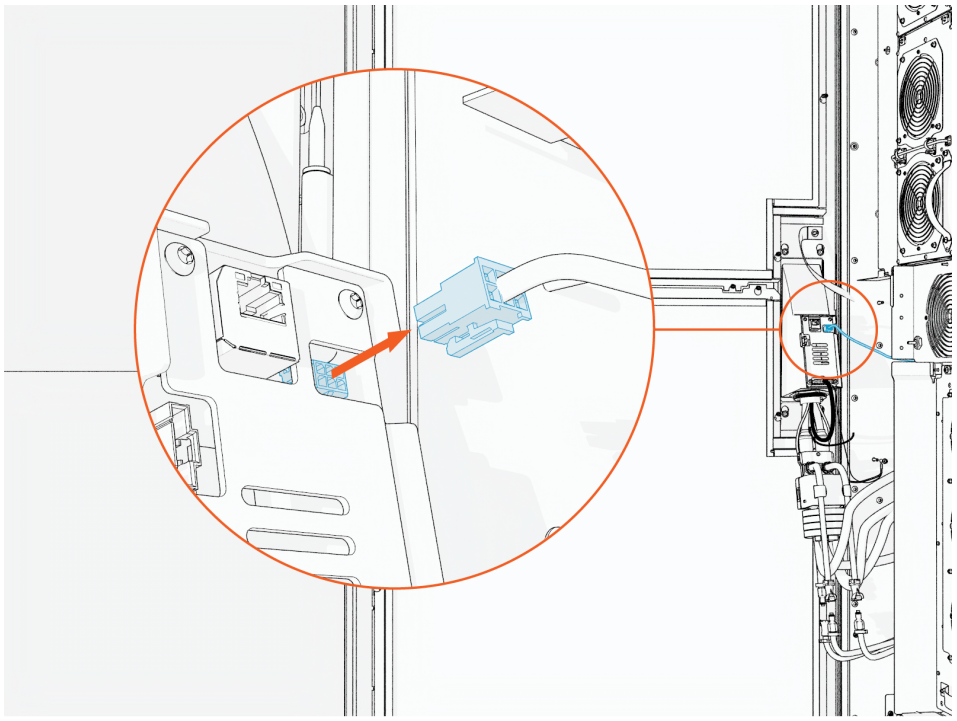
14. Remove the M5 nut and remove the ground cable from the charging cable assembly.



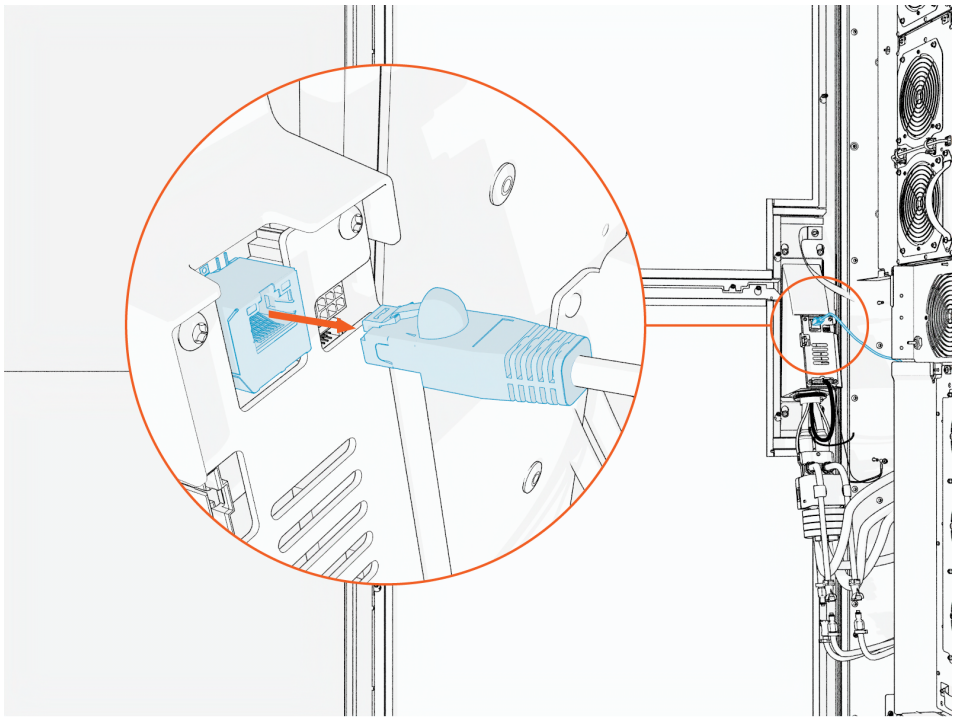
REINSTALL NOTE: Torque the nuts to **4.5 Nm (40 in-lb).**

IMPORTANT: Do not use impact driver to tighten fasteners.

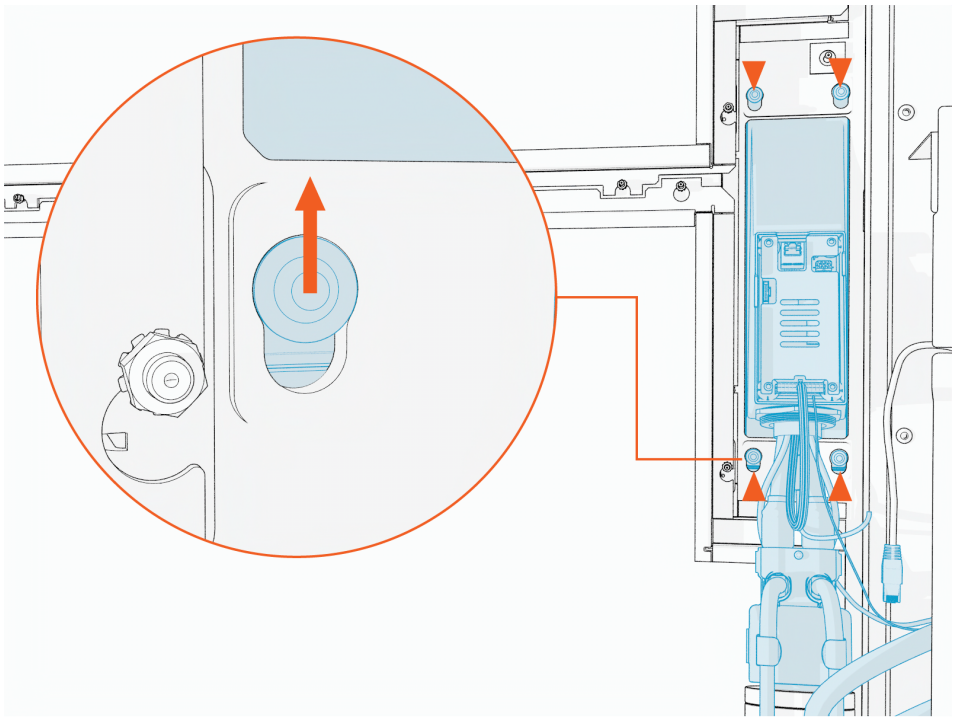
15. Disconnect the 48 V DC line from the charging cable assembly.



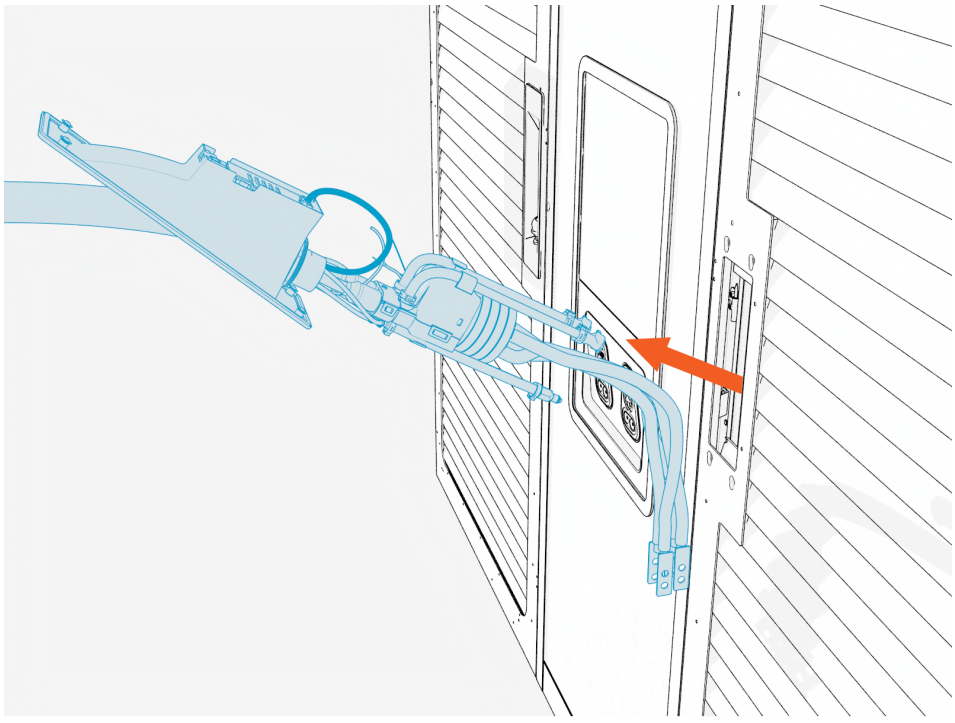
16. Disconnect the Ethernet cable from the charging cable assembly.



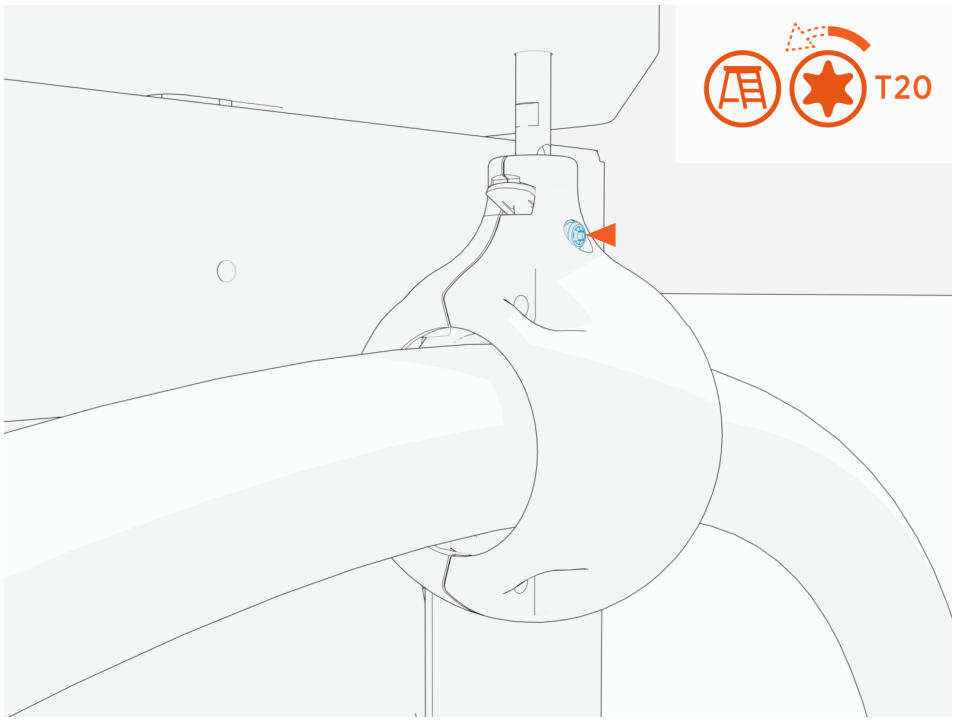
17. Lift the charging cable assembly upward to disengage it from the keyholes.



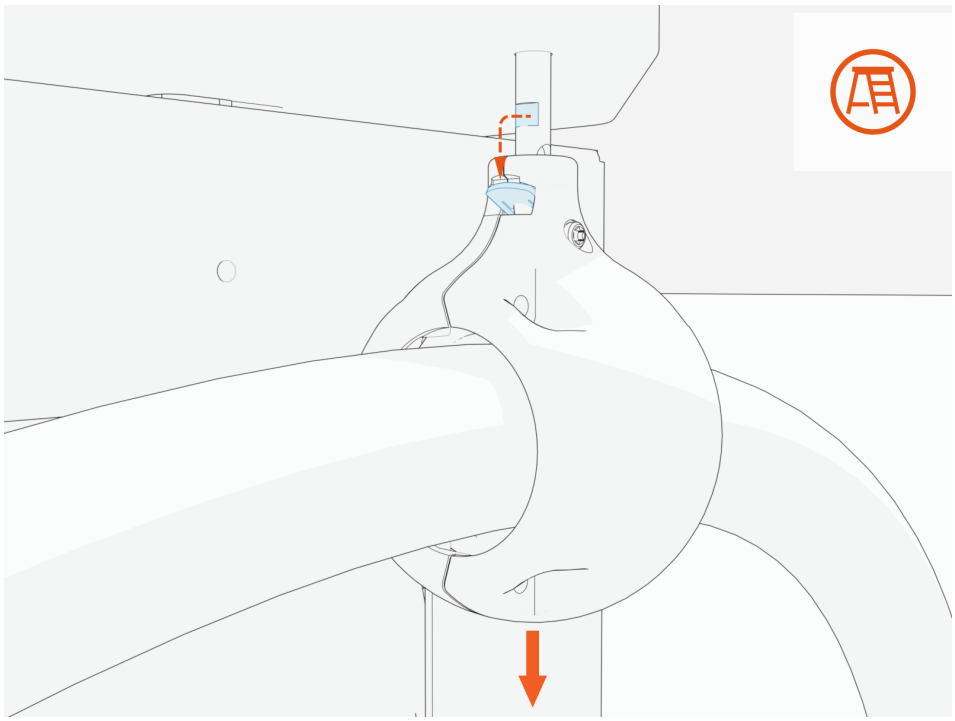
18. Pull the high-voltage cables and hoses through the door opening.



19. Loosen the tetherball set screw.



20. Slide the tetherball off the anchor pin.



21. **Reverse the above steps to reinstall with replacement charging cable.**

> **IMPORTANT:** After replacing an LCC charging cable, check and top off the coolant level as needed. Disconnecting the coolant hoses during this procedure can result in coolant loss. Refer to the LCC Coolant Refill chapter for coolant service instructions.

Safety Hub Board 13

Required Tools and Materials

 Socket (8 mm)

 Torque wrench

Before You Begin

1. Power Off.

   NOTE: Wait at least five minutes for energy to dissipate.

2. Open the display door.

After replacing the components, reverse the above steps to complete the service.

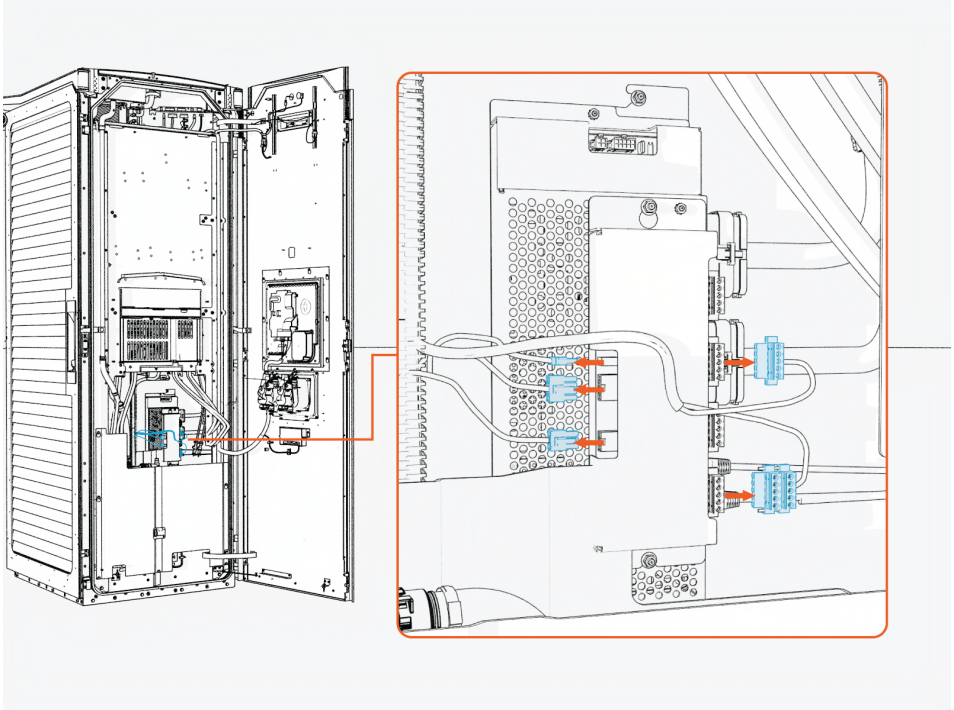
IMPORTANT:

- Complete the post-service checklist. The checklist is available at ChargePoint Product Reference Documentation.
- Contact ChargePoint regarding faulty part return.

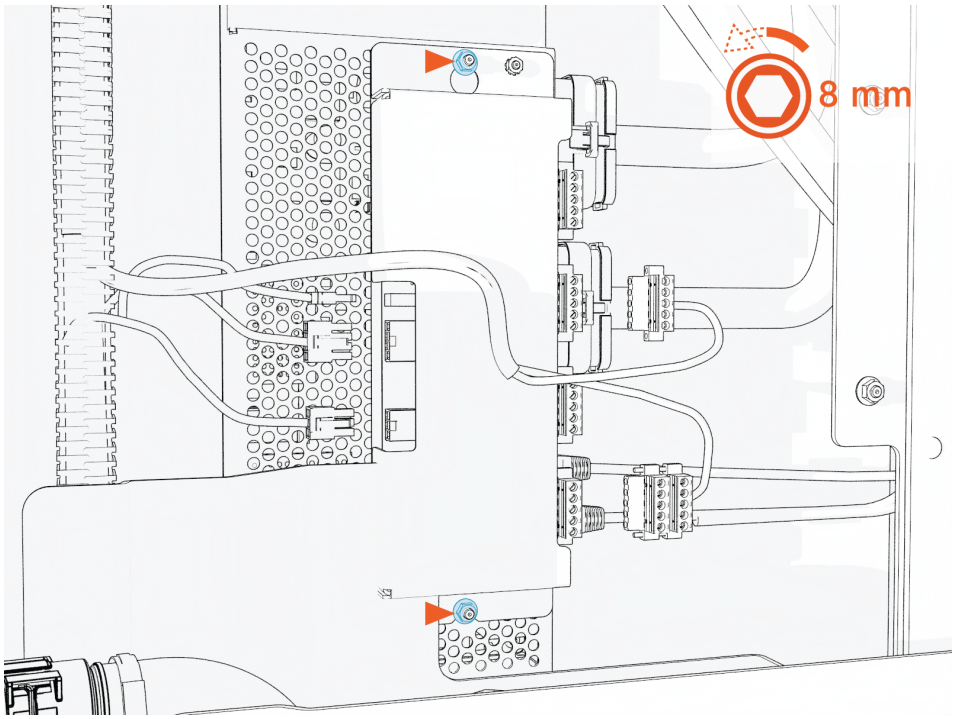
Remove the Safety Hub Board

To remove the safety hub board for replacement, follow these steps.

1. Disconnect the cables from safety hub board.



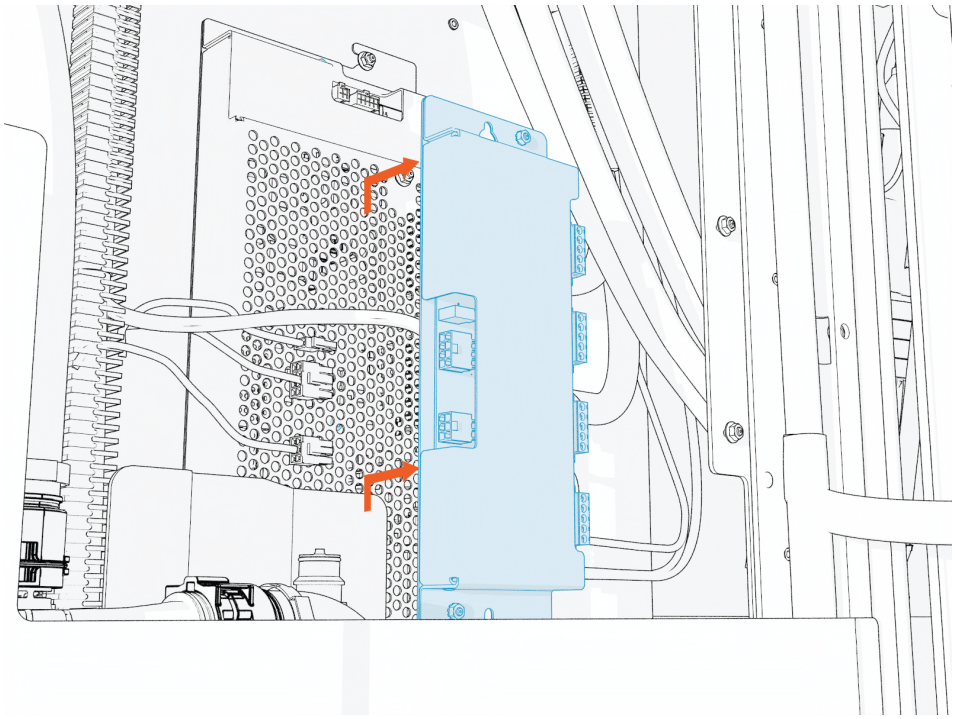
2. Loosen (do not remove) the M5 nuts (x2).



REINSTALL NOTE: Torque the nuts to **4.5 Nm (40 in-lb).**

IMPORTANT: Do not use impact driver to tighten fasteners.

3. To remove the safety hub board, lift it up and pull it forward.



4. **Reverse the above steps to reinstall with the replacement safety hub board.**

Power Management Controller (PMC) 14

Required Tools and Materials

 Socket (8 mm)

 Torque wrench

Before You Begin

1. Power Off.

   NOTE: Wait at least five minutes for energy to dissipate.

2. Open the display door.
3. Open the intake (right) door.
4. Remove the safety hub board and set it aside for reinstallation following replacement of the PMC.

After replacing the components, reverse the above steps to complete the service.

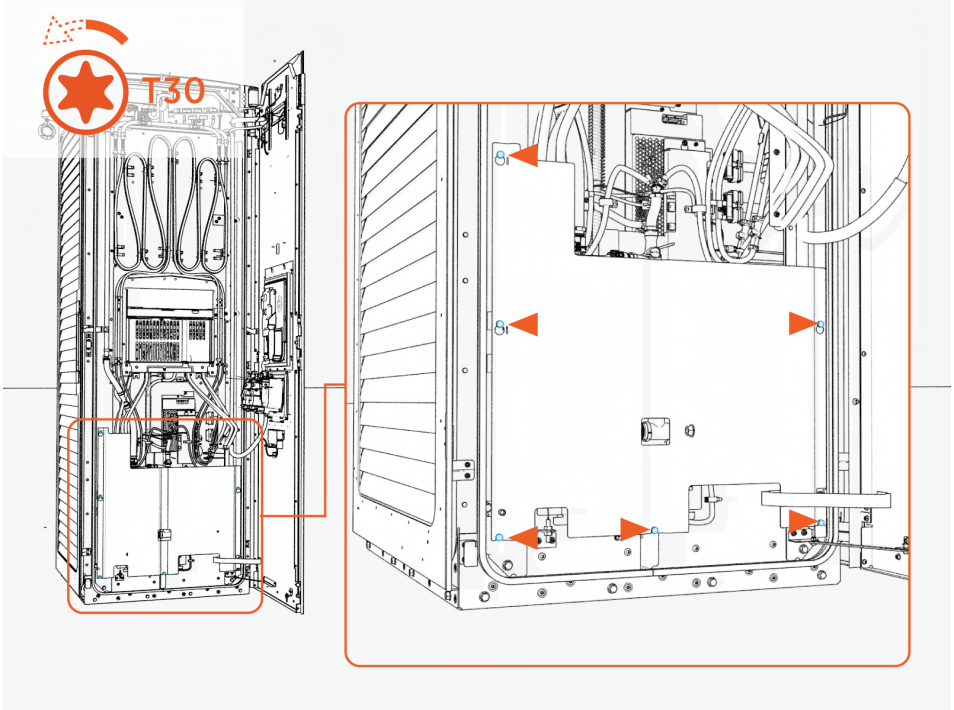
IMPORTANT:

- Complete the post-service checklist. The checklist is available at ChargePoint Product Reference Documentation.
- Contact ChargePoint regarding faulty part return.

Remove the Safety Shield

NOTE: The following procedure applies only to Express Solo units equipped with LCC cables. For units not equipped with LCC cables, the safety shield is not installed.

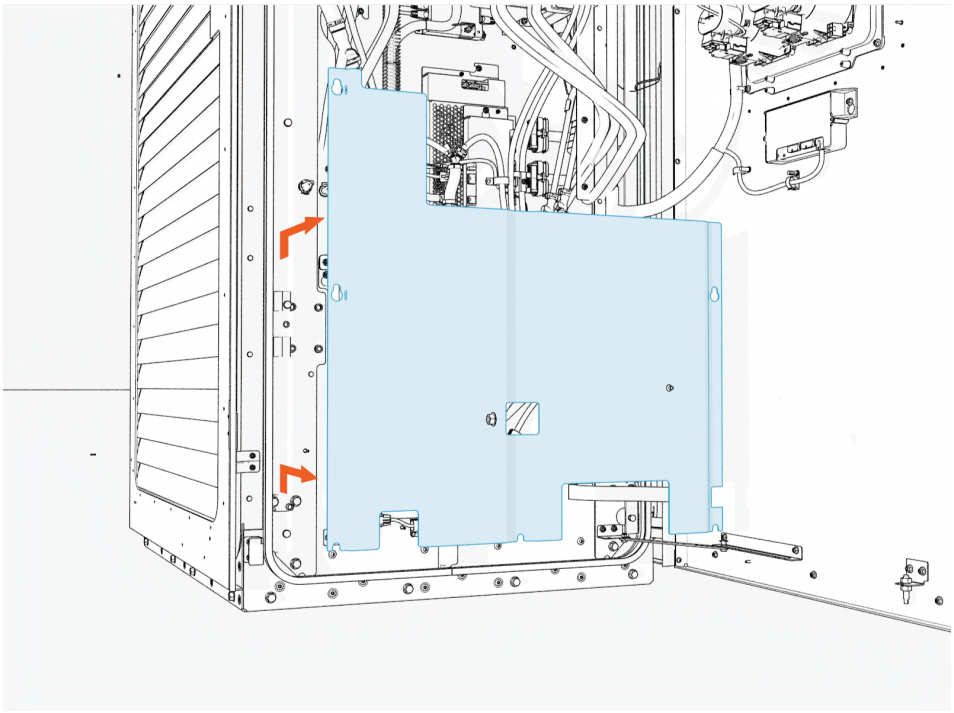
1. Loosen (do not remove) the screws (x6).



REINSTALL NOTE: Torque the screws to **5.6 Nm (50 in-lb)**.

IMPORTANT: Do not use impact driver to tighten fasteners.

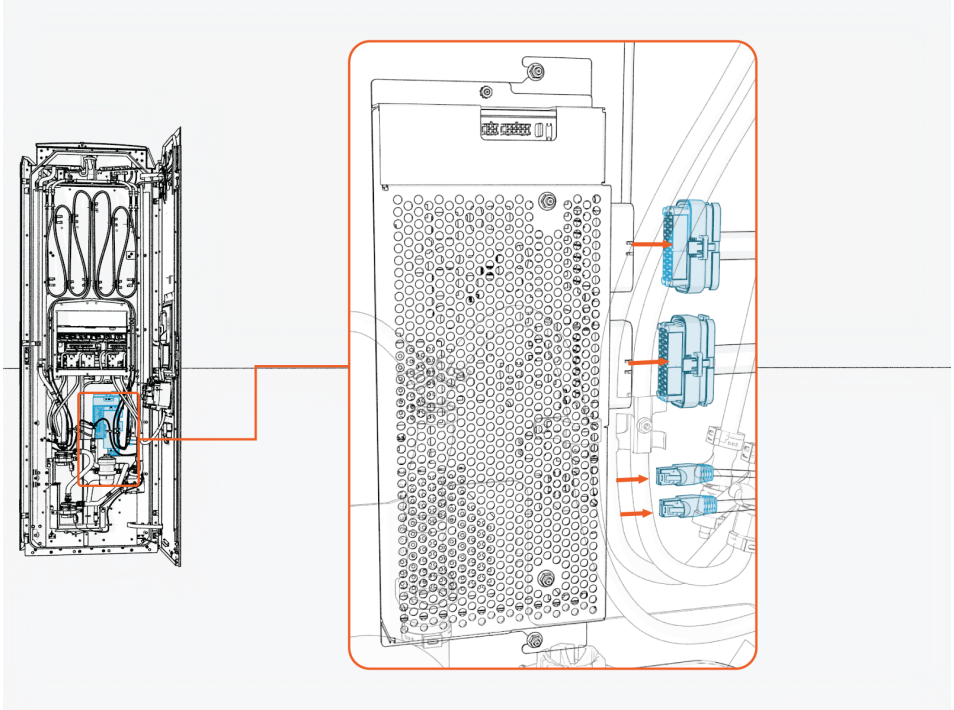
2. Remove the safety shield.



Remove the PMC

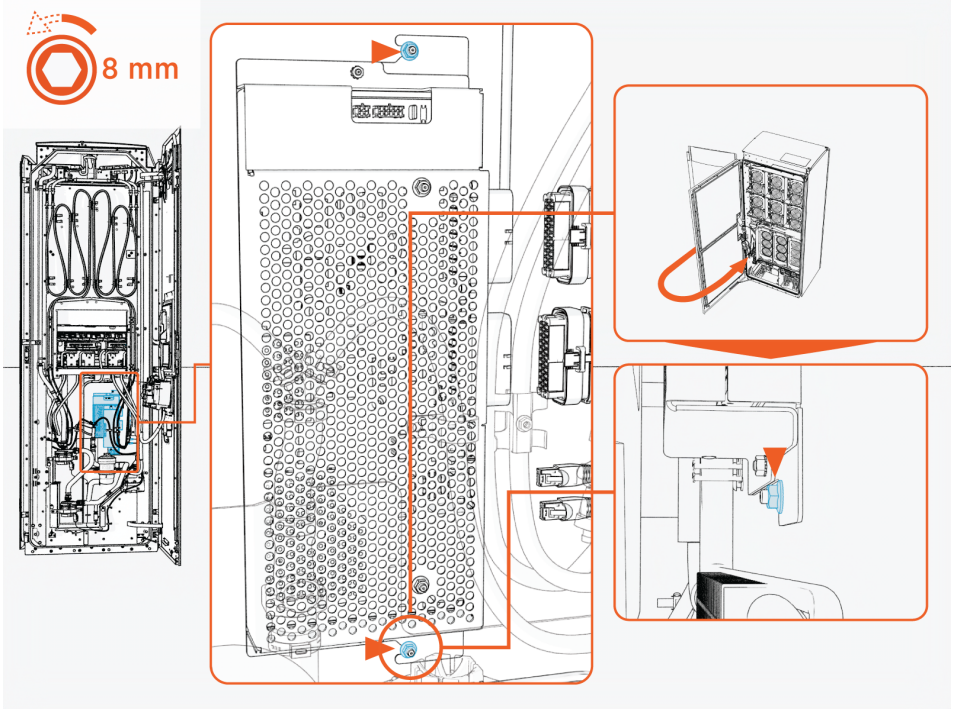
To remove the Power Management Controller (PMC) for replacement, follow these steps.

1. Disconnect the cables from PMC.



2. Loosen (do not remove) the M5 nuts (x2).

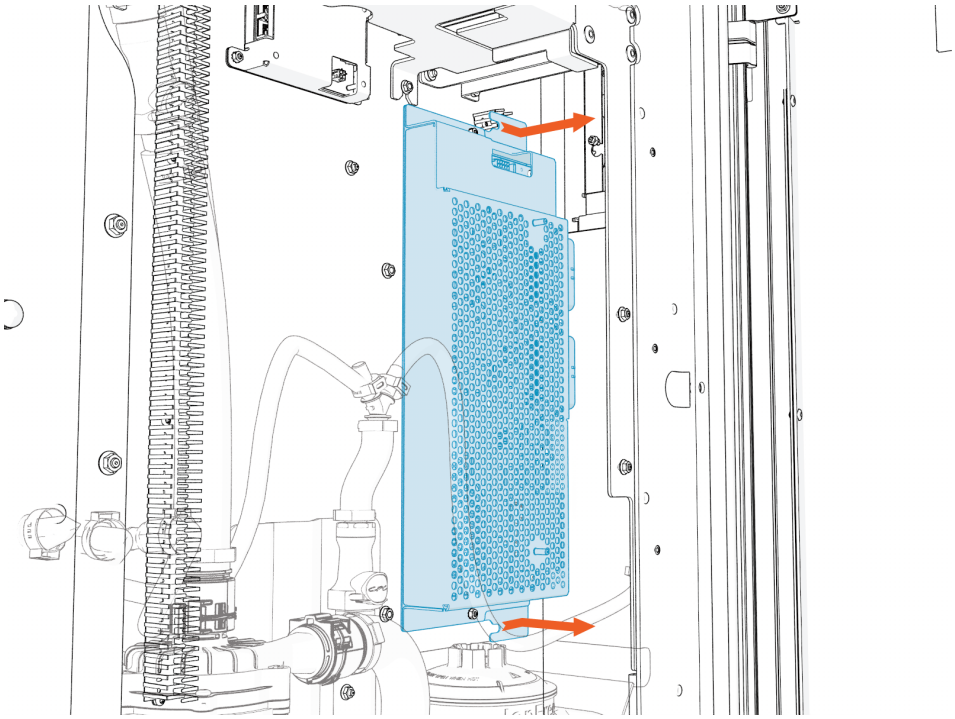
NOTE: Access the bottom M5 nut from the intake (right) side of the cabinet.



REINSTALL NOTE: Torque the nuts to **4.5 Nm (40 in-lb).**

IMPORTANT: Do not use impact driver to tighten fasteners.

3. To remove the PMC, slide it right and pull it forward.



4. **Reverse the above steps to reinstall with the replacement PMC.**

Smart Ethernet Switch (SES) 15

Required Tools and Materials

 Socket (8 mm)

 Torque wrench

Before You Begin

1. Power Off.

   NOTE: Wait at least five minutes for energy to dissipate.

2. Open the display door.

After replacing the components, reverse the above steps to complete the service.

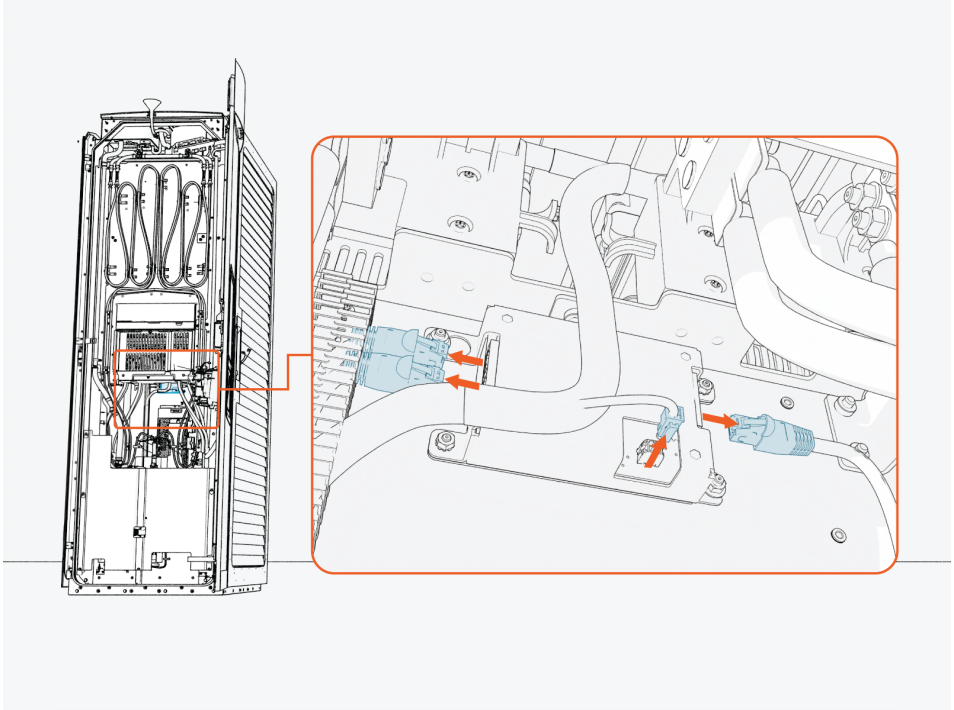
IMPORTANT:

- Complete the post-service checklist. The checklist is available at ChargePoint Product Reference Documentation.
- Contact ChargePoint regarding faulty part return.

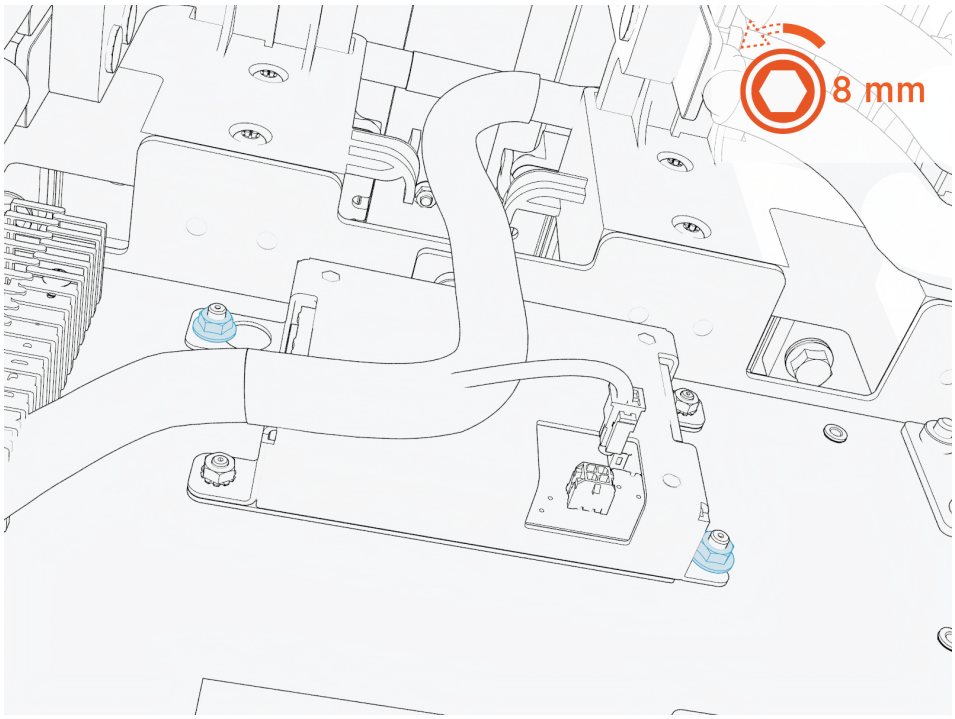
Remove the SES

To remove the Smart Ethernet Switch (SES) for replacement, follow these steps.

1. Disconnect the cables from the SES.



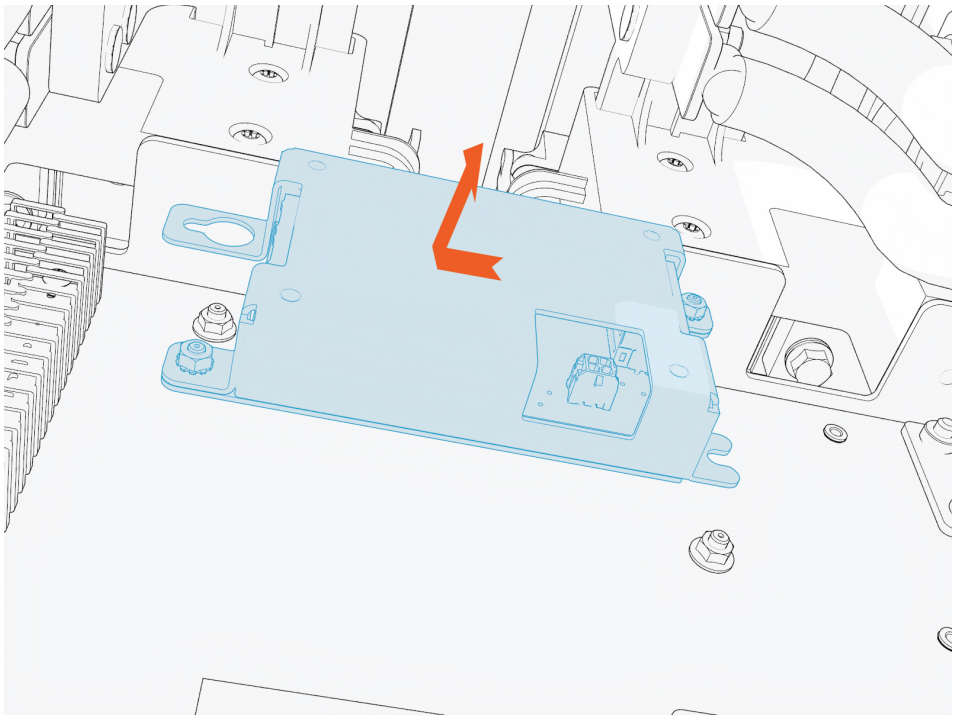
2. Loosen (do not remove) the M5 nuts (x2).



REINSTALL NOTE: Torque the nuts to **4.5 Nm (40 in-lb).**

IMPORTANT: Do not use impact driver to tighten fasteners.

3. To remove the SES, slide to the left and pull it forward.



4. **Reverse the above steps to reinstall with replacement SES.**

System Cooling Controller Board (SCCB) 16

Required Tools and Materials


Socket (8 mm)


Torque wrench


Ladder

Before You Begin

1. Power Off.

   NOTE: Wait at least five minutes for energy to dissipate.

2. Open the display door.

After replacing the components, reverse the above steps to complete the service.

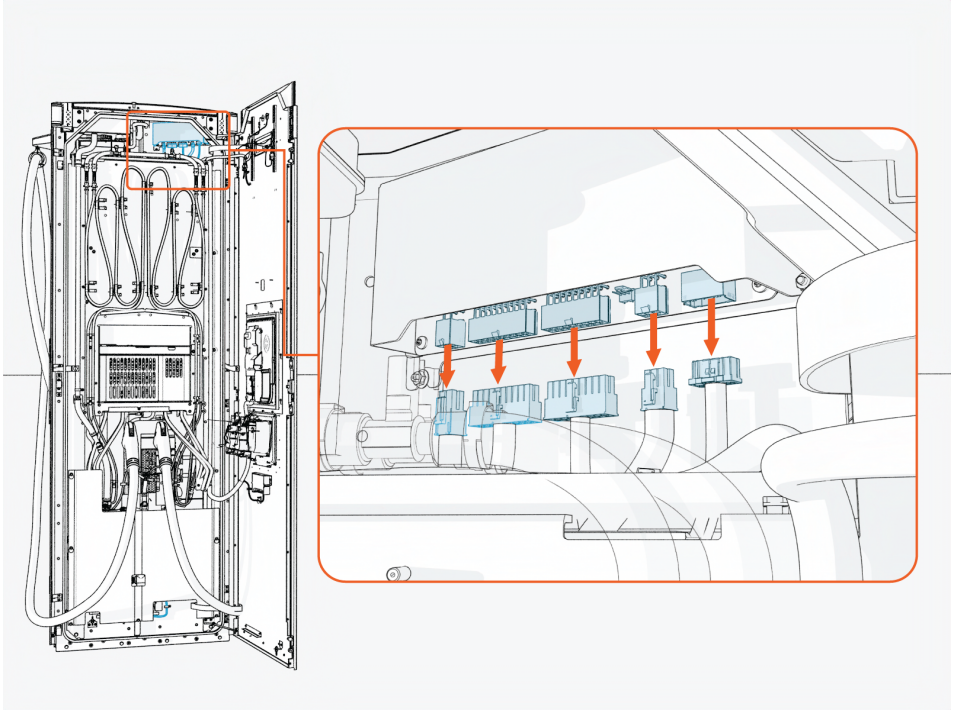
IMPORTANT:

- Complete the post-service checklist. The checklist is available at ChargePoint Product Reference Documentation.
- Contact ChargePoint regarding faulty part return.

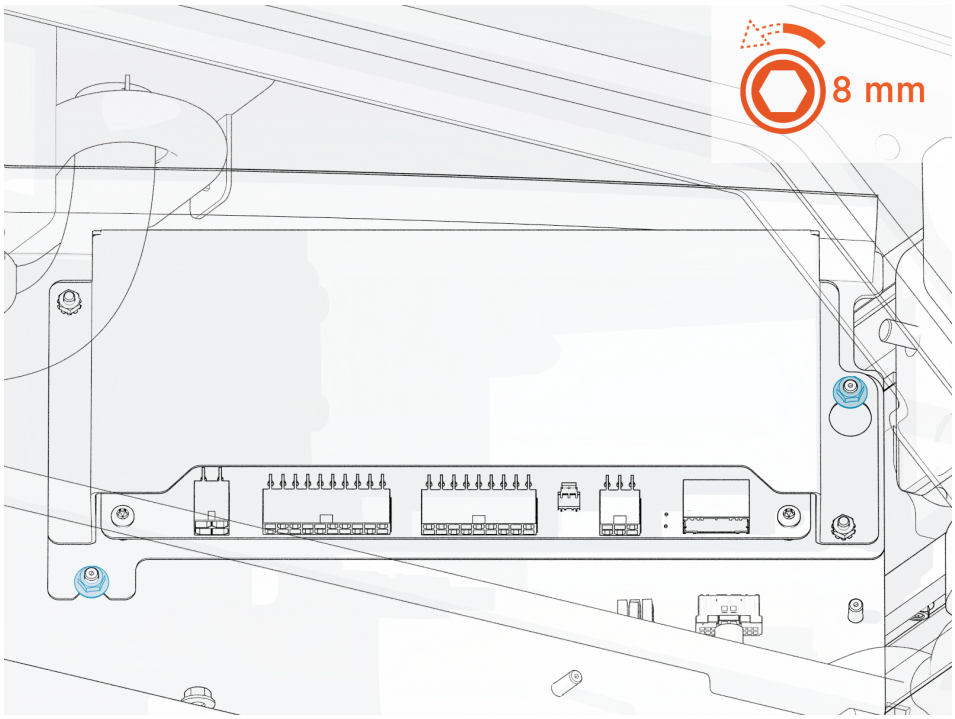
Remove the SCCB

To remove the System Cooling Controller Board (SCCB) for replacement, follow these steps.

1. Disconnect the cables from the SCCB.



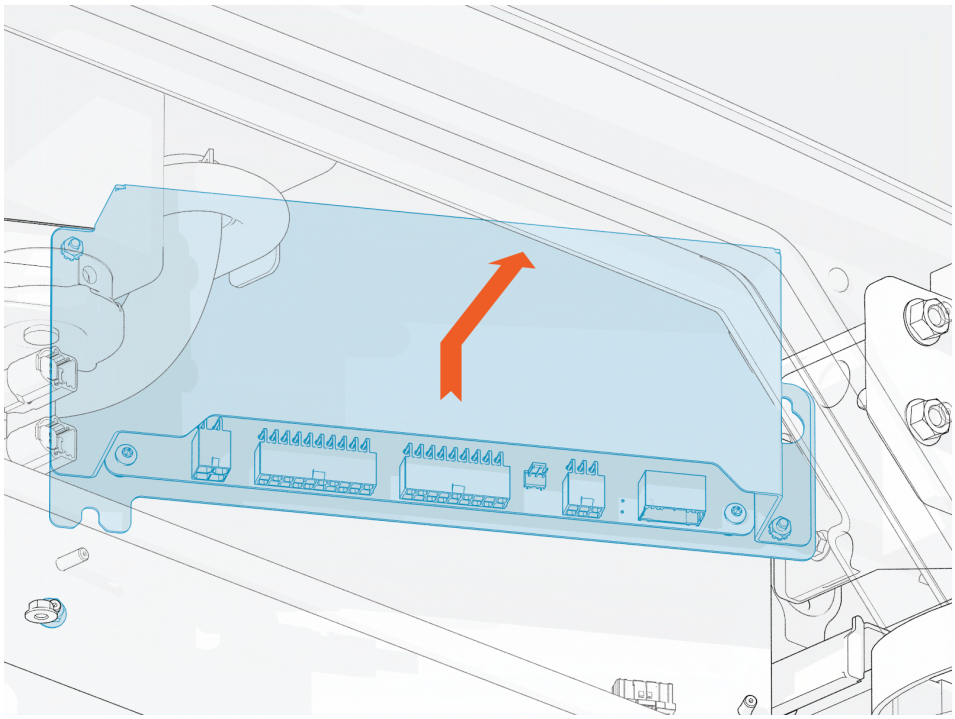
2. Loosen (do not remove) the M5 nuts (x2).



REINSTALL NOTE: Torque the nuts to **4.5 Nm (40 in-lb).**

IMPORTANT: Do not use impact driver to tighten fasteners.

3. To remove the SCCB, lift it up and pull it forward.



4. **Reverse the above steps to reinstall with replacement SCCB.**

Liquid Cooling Cable (LCC) Pump 17

Required Tools and Materials


Socket (8 mm)


Torx screwdriver (T30)


Torque wrench


Torque screwdriver

Before You Begin

1. Power Off.

   NOTE: Wait at least five minutes for energy to dissipate.

2. Open the display door.

After replacing the components, reverse the above steps to complete the service.

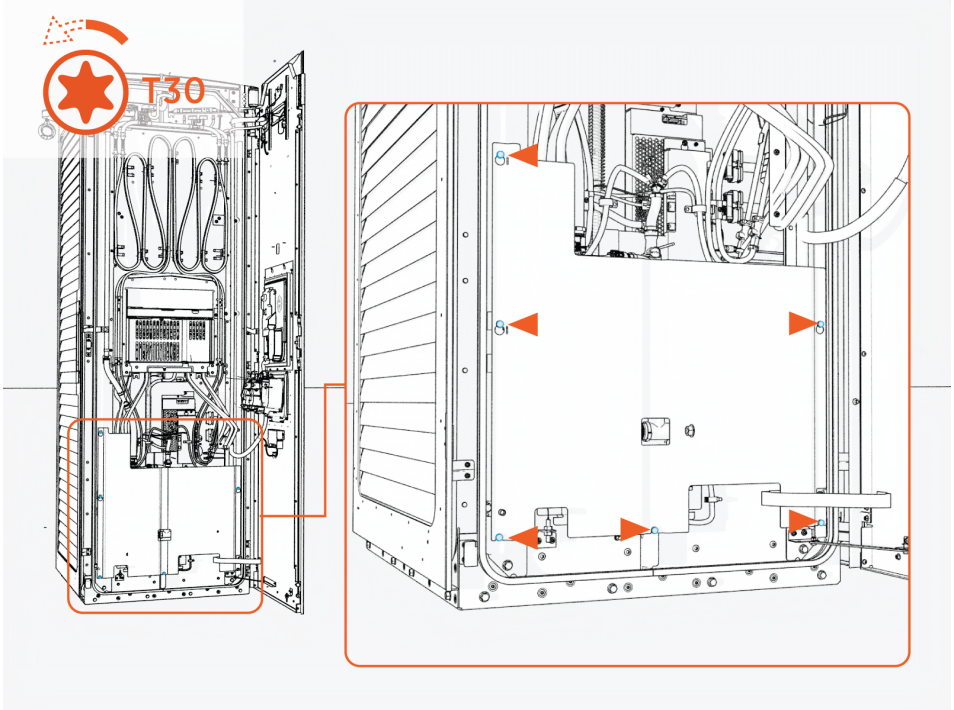
IMPORTANT:

- Complete the post-service checklist. The checklist is available at ChargePoint Product Reference Documentation.
- Contact ChargePoint regarding faulty part return.

Remove the LCC Pump

To remove the LCC pump for replacement, follow these steps.

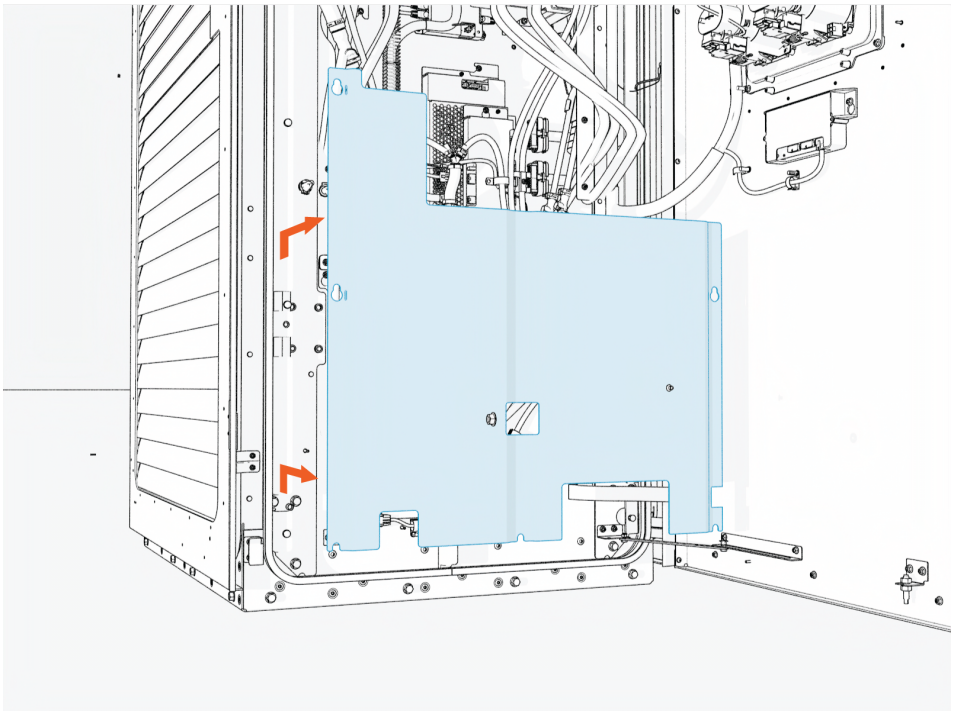
1. Loosen (do not remove) the screws (x6).



REINSTALL NOTE: Torque the screws to **5.6 Nm (50 in-lb)**.

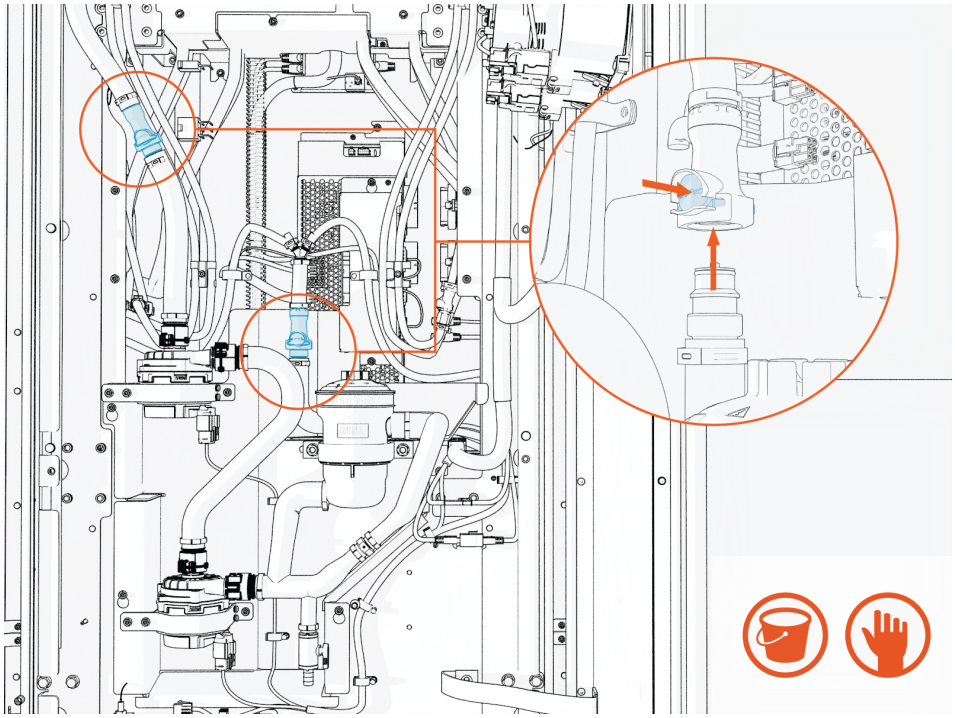
IMPORTANT: Do not use impact driver to tighten fasteners.

2. Remove the safety shield.

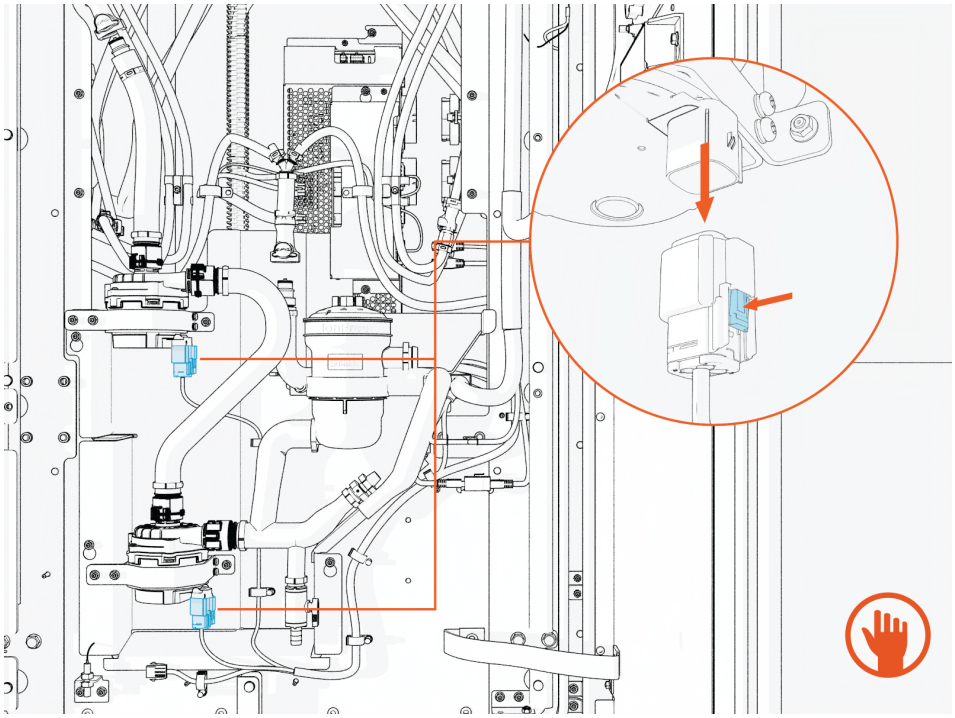


3. Use your thumb to disconnect the valves.

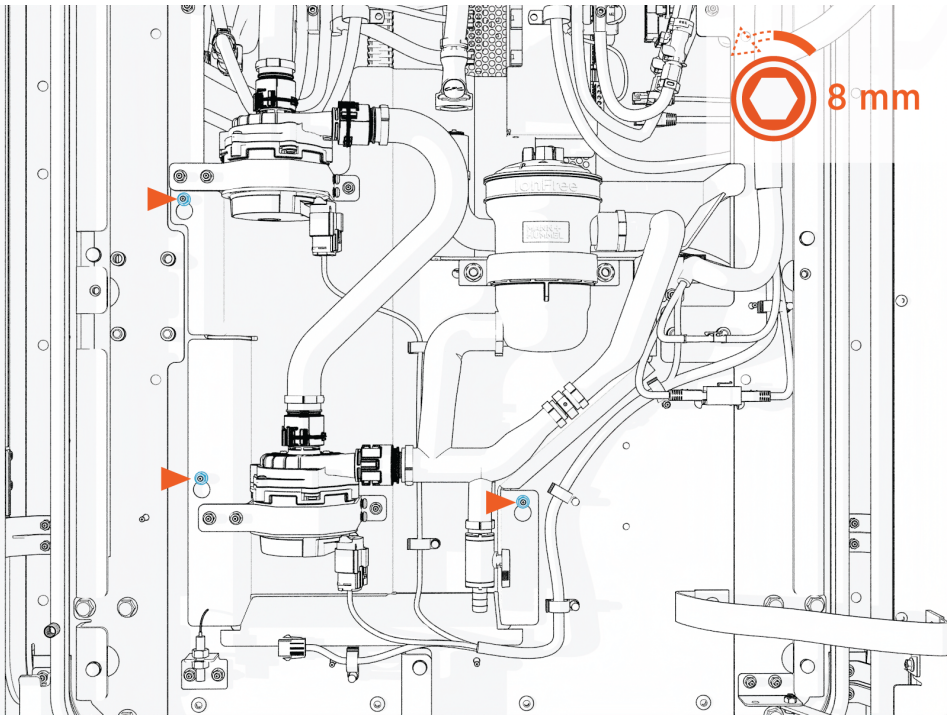
> **NOTE:** Keep a bucket to collect the remaining fluid from the valves.



4. Disconnect the pump connectors.



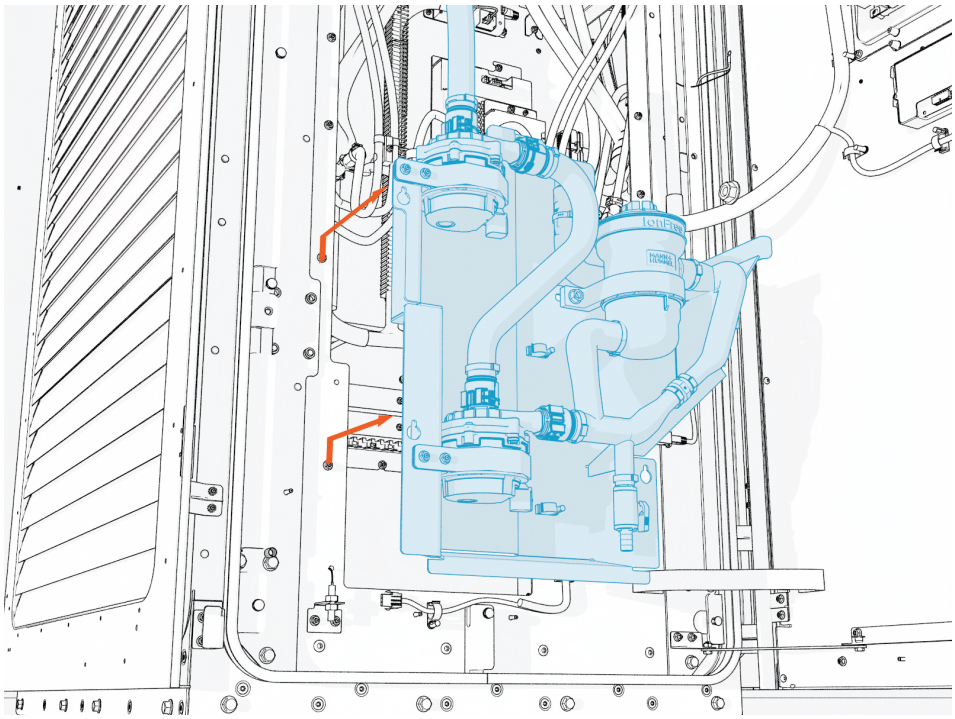
5. Loosen (do not remove) the M5 nuts (x3) from the bracket.



REINSTALL NOTE: Torque the nuts to **4.5 Nm (40 in-lb).**

IMPORTANT: Do not use impact driver to tighten fasteners.

6. To remove the bracket along with the LCC pump unit. lift it up and pull it forward.



7. **Reverse the above steps to reinstall the LCC pump unit.**

> **REINSTALL NOTE:** After installing the LCC Pump unit, refill the coolant. Refer to the LCC Coolant Refill chapter for the coolant refill procedure.

Ion Filter 18

Required Tools and Materials


Adjustable wrench (36 mm)


Torx screwdriver (T30)


Torque wrench


Torque screwdriver

Before You Begin

1. Power Off.

   NOTE: Wait at least five minutes for energy to dissipate.

2. Open the display door.

After replacing the components, reverse the above steps to complete the service.

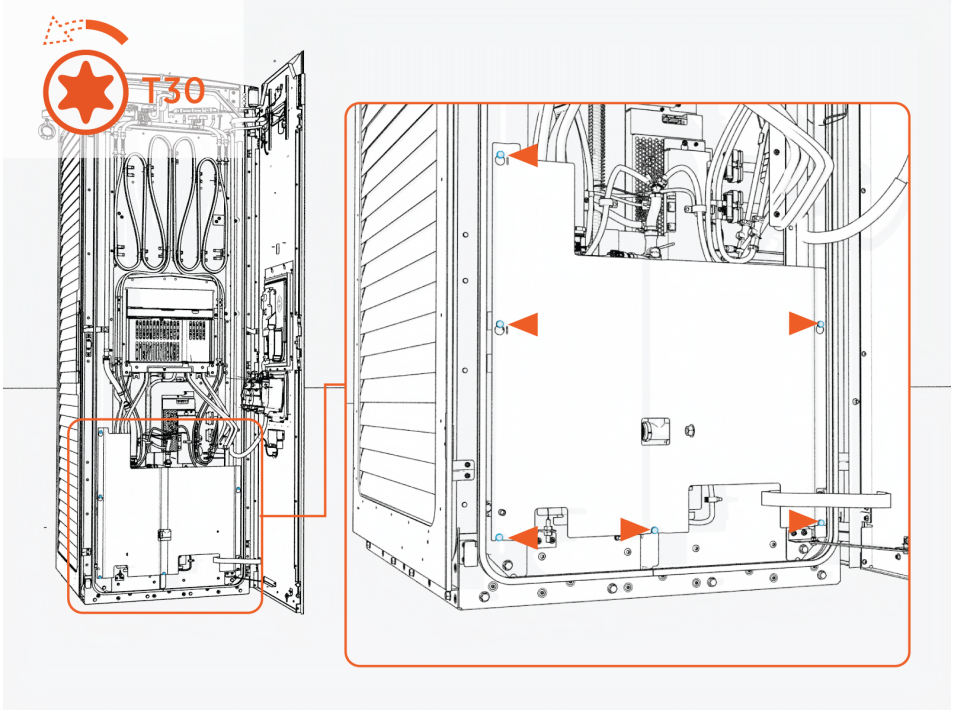
IMPORTANT:

- Complete the post-service checklist. The checklist is available at ChargePoint Product Reference Documentation.
- Contact ChargePoint regarding faulty part return.

Remove the Ion Filter

To remove the ion filter for replacement, follow these steps.

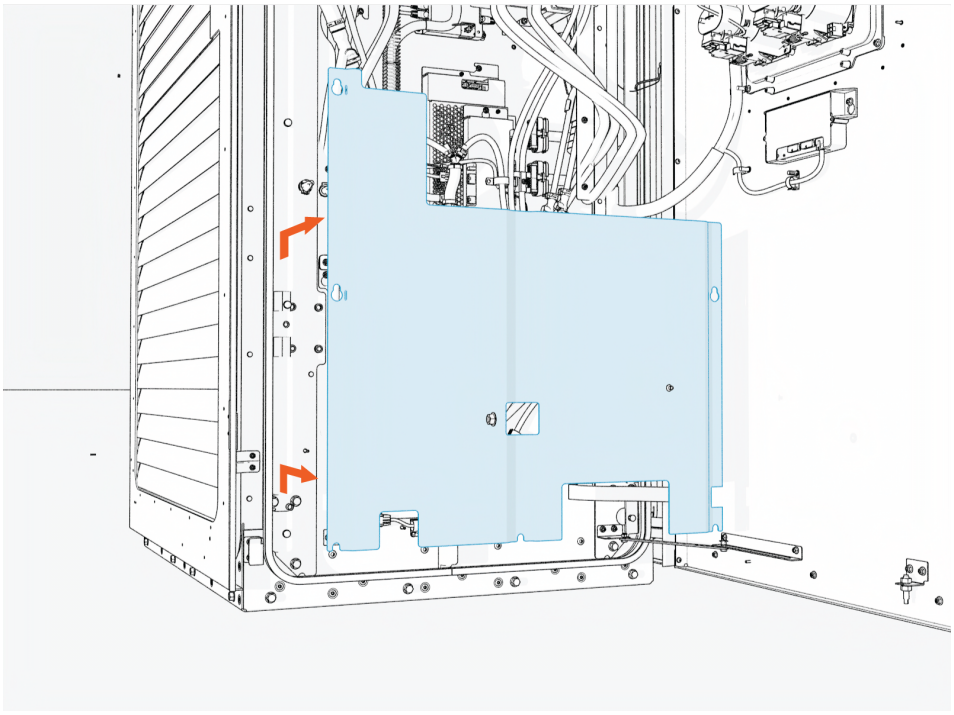
1. Loosen (do not remove) the screws (x6).



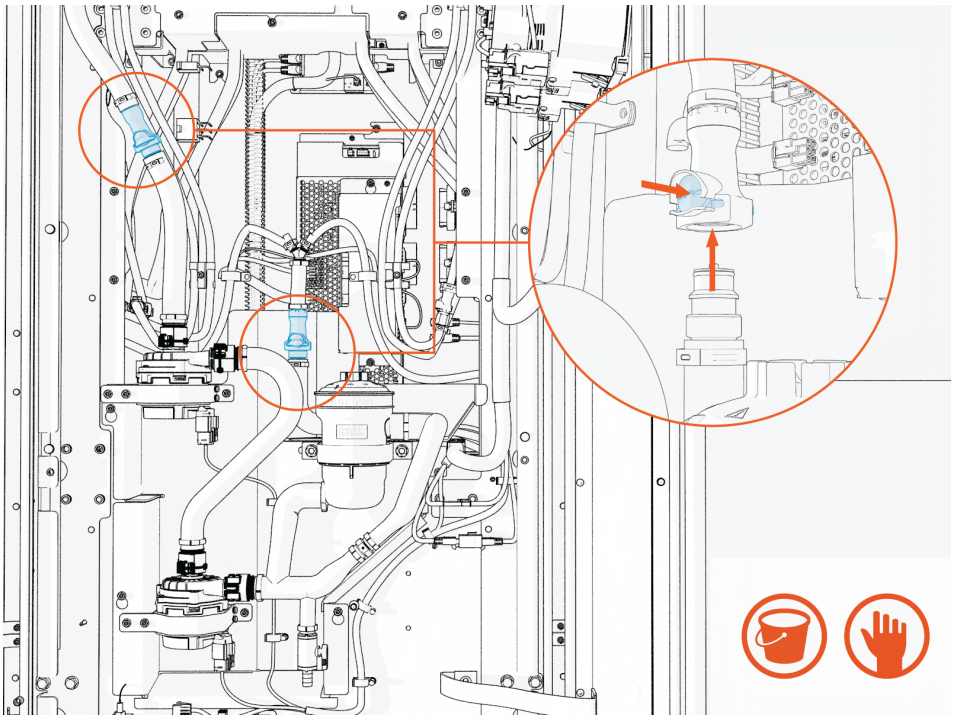
REINSTALL NOTE: Torque the screws to **5.6 Nm (50 in-lb)**.

IMPORTANT: Do not use impact driver to tighten fasteners.

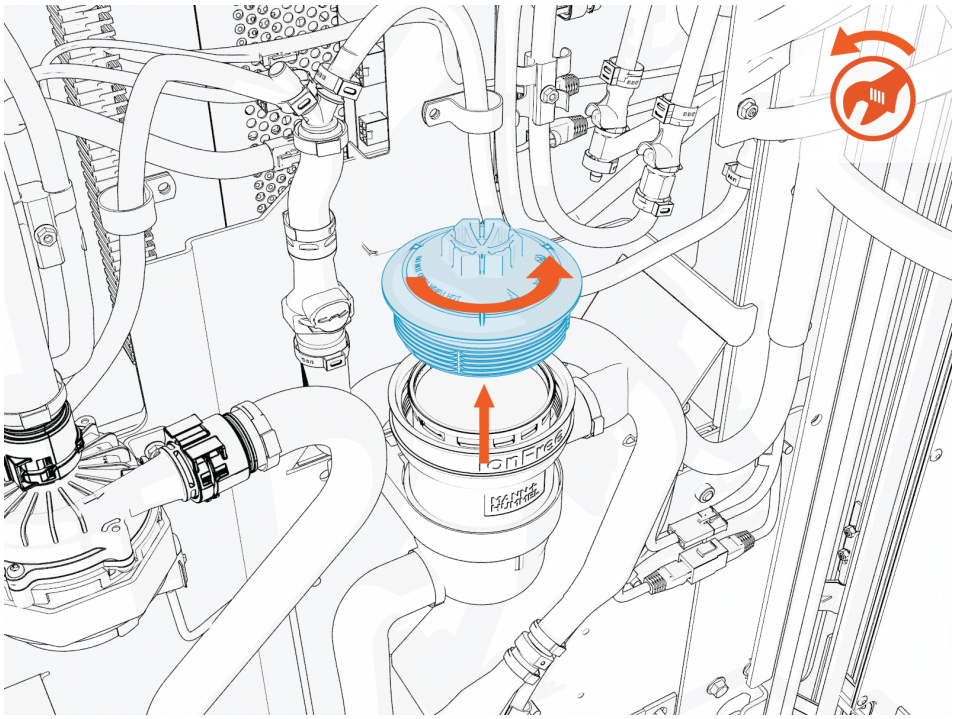
2. Remove the safety shield.



3. Use your thumb to disconnect the valves.

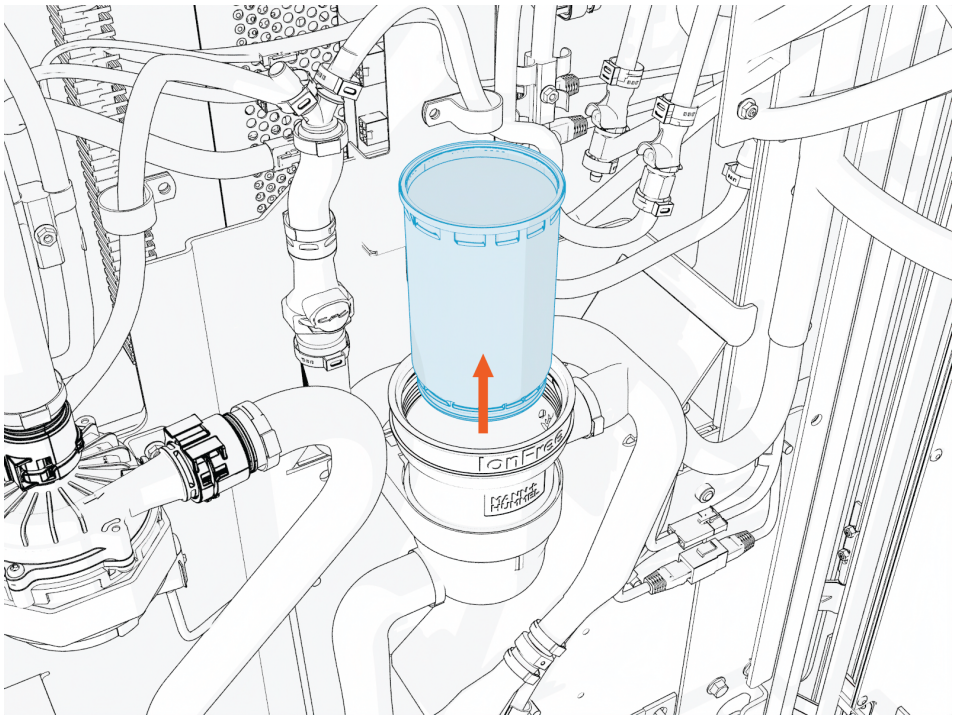


4. Use the adjustable wrench to remove the ion filter cap.



REINSTALL NOTE: Torque the ion filter cap to **20 Nm (14.75 ft-lb)**.

5. Remove the ion filter from the cartridge.



6. **Reverse the above steps to reinstall with replacement ion filter.**

19 Liquid Cooling Cable (LCC) Coolant Refill

Required Tools and Materials


Ladder


Coolant


Torx screwdriver (T30)


Torque screwdriver

Before You Begin

1. Power Off.


NOTE: Wait at least five minutes for energy to dissipate.

2. Open the display door.

After replacing the components, reverse the above steps to complete the service.

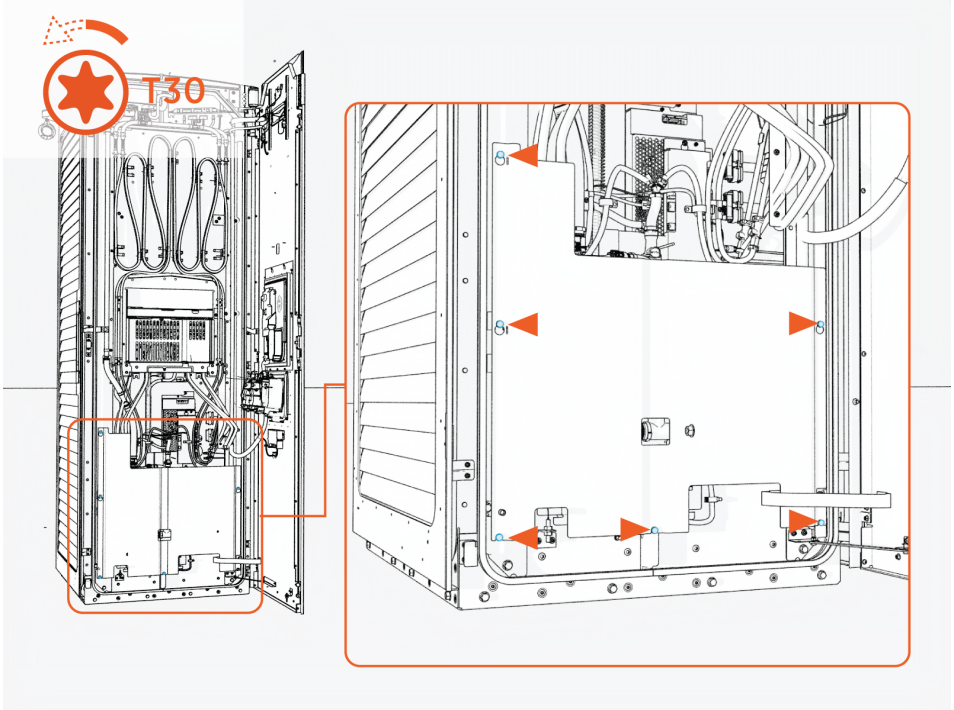

IMPORTANT:

- Complete the post-service checklist. The checklist is available at ChargePoint Product Reference Documentation.
- Contact ChargePoint regarding faulty part return.

LCC Coolant Refill

To refill the LCC coolant, follow these steps.

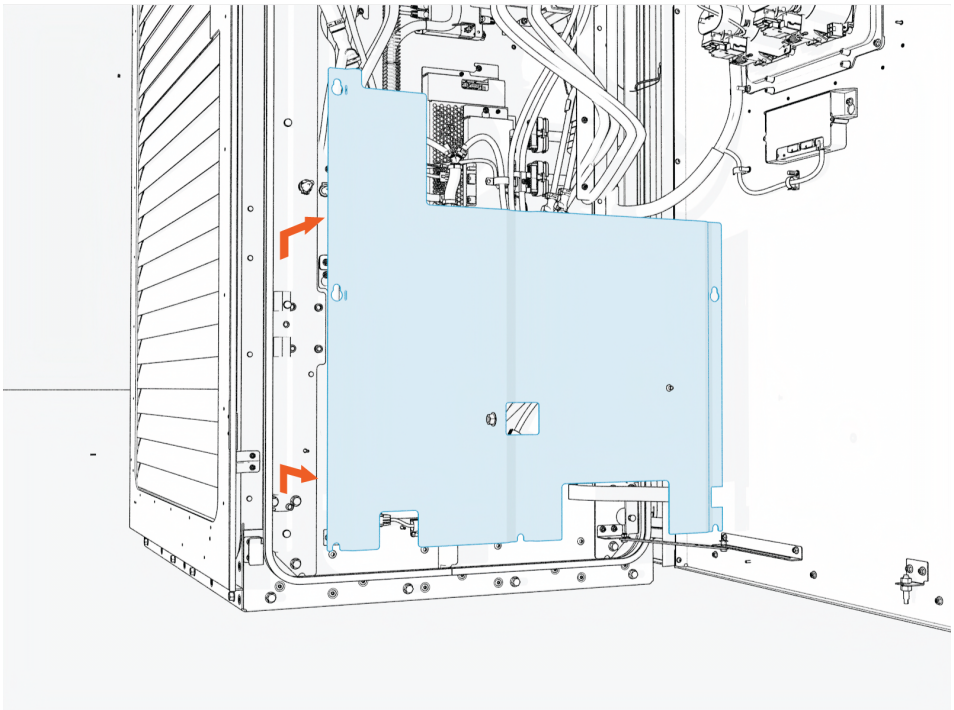
1. Loosen (do not remove) the screws (x6).



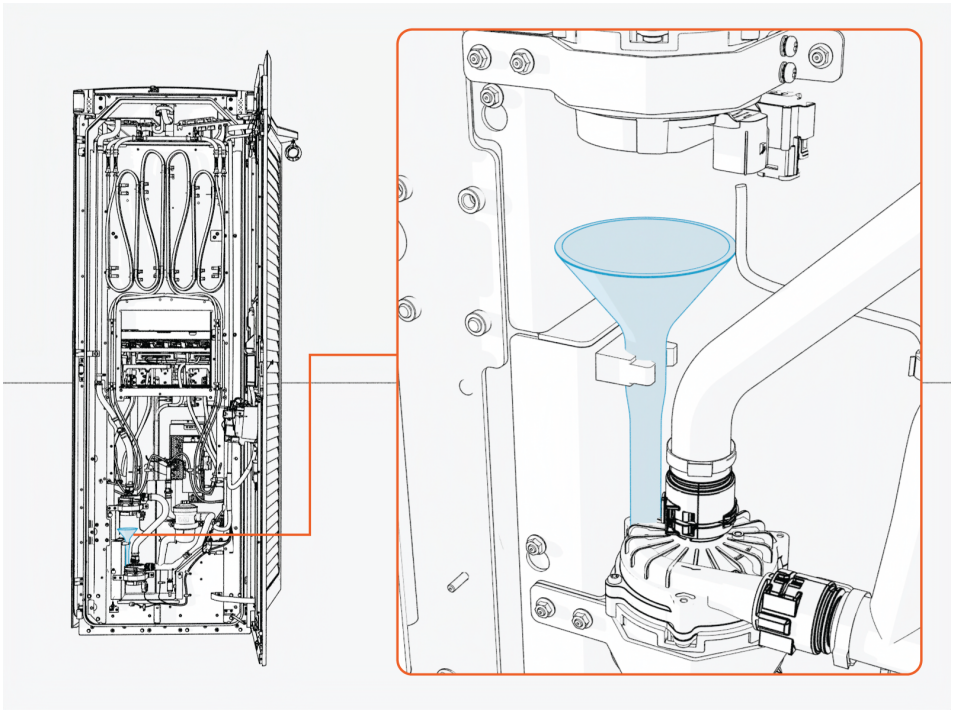
REINSTALL NOTE: Torque the screws to **5.6 Nm (50 in-lb)**.

IMPORTANT: Do not use impact driver to tighten fasteners.

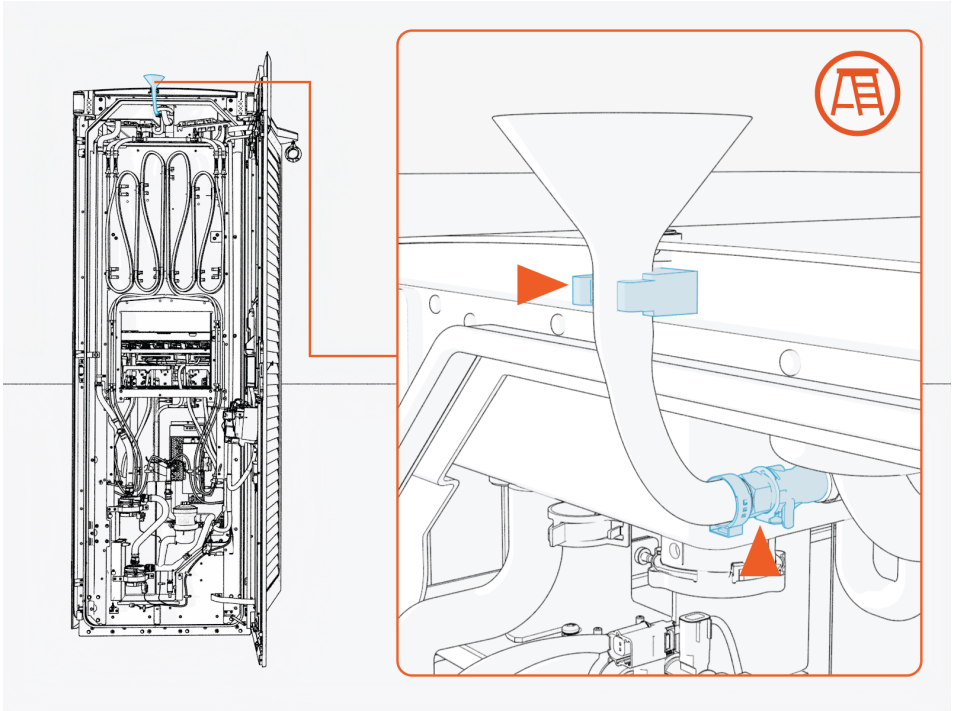
2. Remove the safety shield.



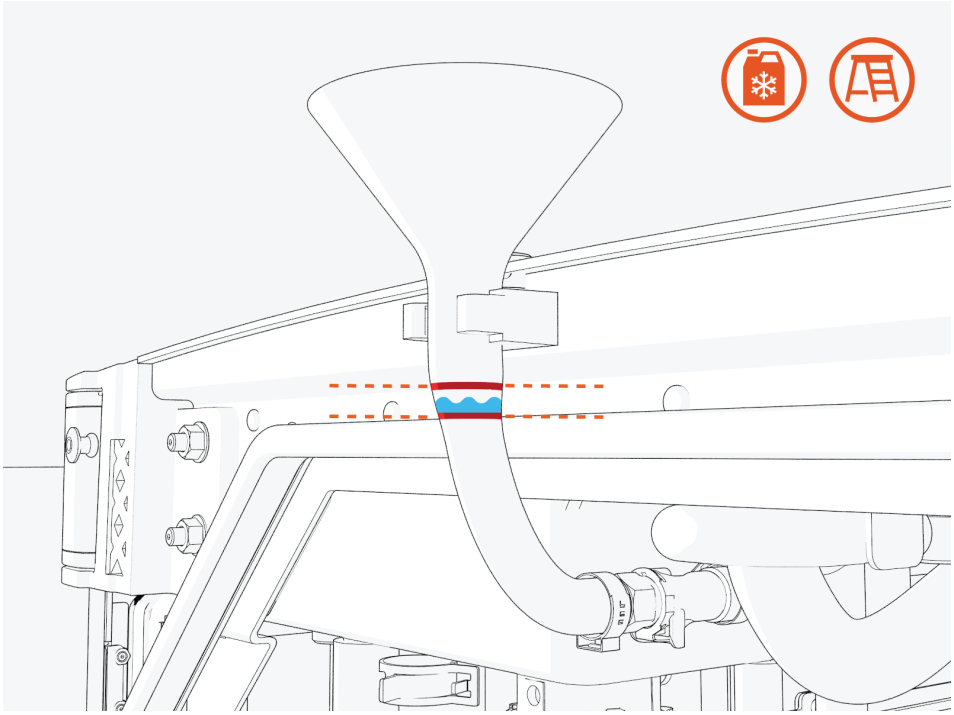
3. Locate the funnel inside the LCC pump unit and remove it for coolant filling.



4. Attach the funnel to the reservoir using the quick-connect fitting, and make sure it snaps securely into place.



5. Fill the reservoir with coolant up to the RED level markings only.



6. Disconnect the funnel and drain any remaining coolant into a container.
7. **Reverse the above steps to store the funnel and reinstall the safety shield.**

Air Filters 20

Required Tools and Materials

 Ladder

 Socket (7 mm)

Before You Begin

1. Power Off.

   NOTE: Wait at least five minutes for energy to dissipate.

2. Open the intake (right) and exhaust (left) doors.

After replacing the components, reverse the above steps to complete the service.

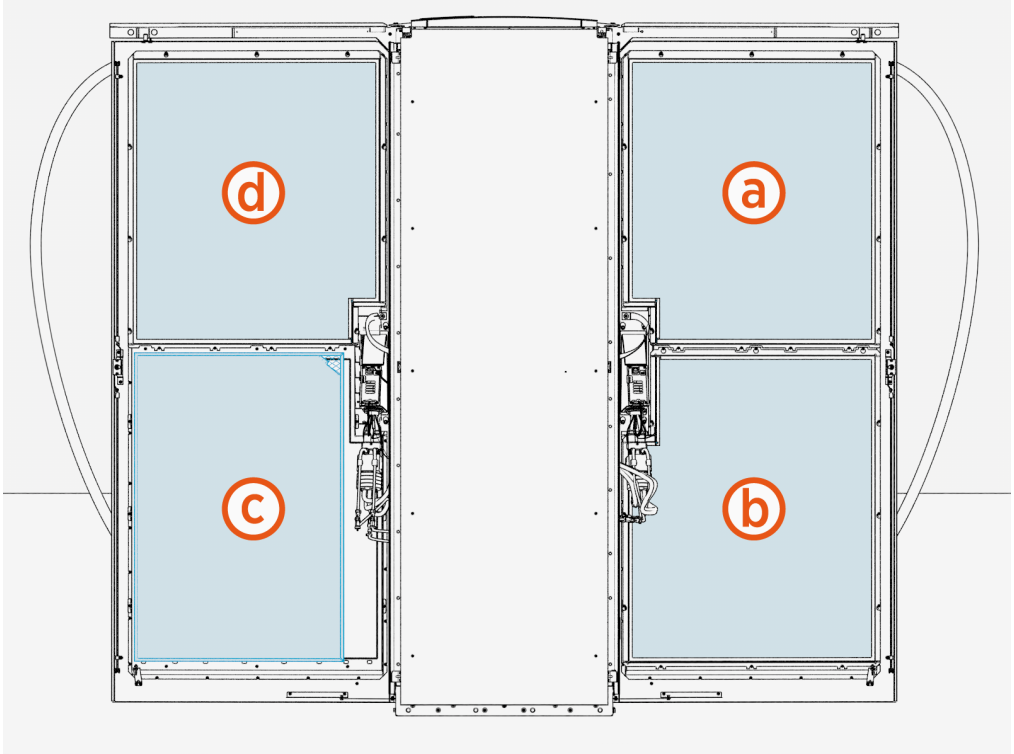
IMPORTANT:

- Complete the post-service checklist. The checklist is available at ChargePoint Product Reference Documentation.
- Contact ChargePoint regarding faulty part return.

Air filter Identification

The Express Solo and Express Distro Power Block 2000 are equipped with four air filters. The exhaust (left) door contains the upper **(a)** and lower **(b)** air filters. The intake (right) door contains the lower **(c)** and upper **(d)** air filters.

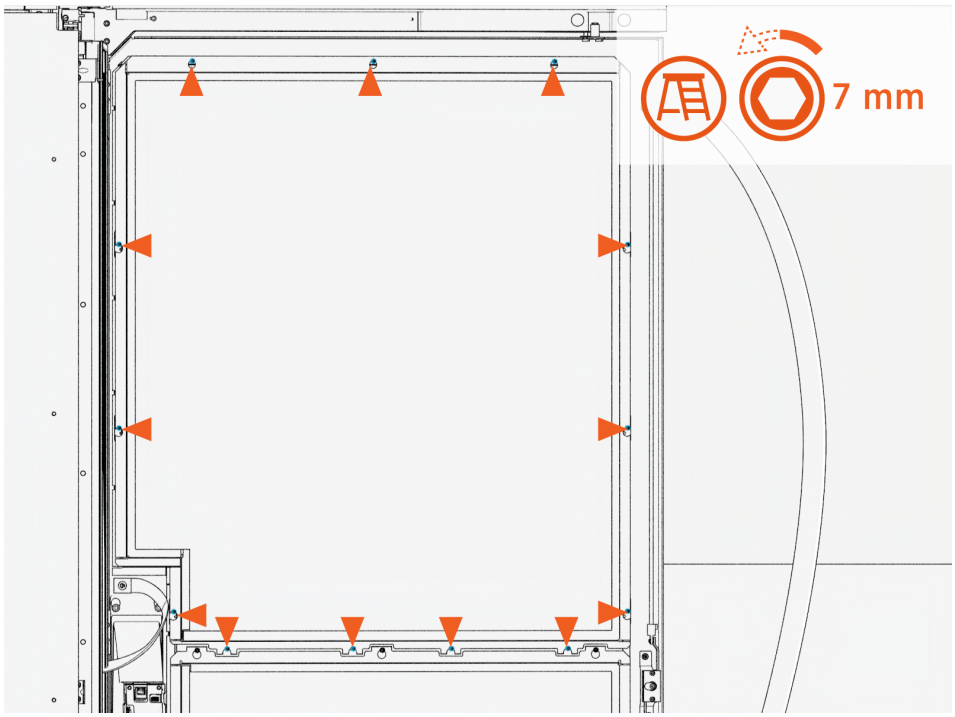
NOTE: The figure shows the rear view of the station with the intake door and exhaust door open.



Replace the Exhaust(Left) Side Door Air filter

To replace the exhaust top air-filter **(a)** for replacement, follow these steps.

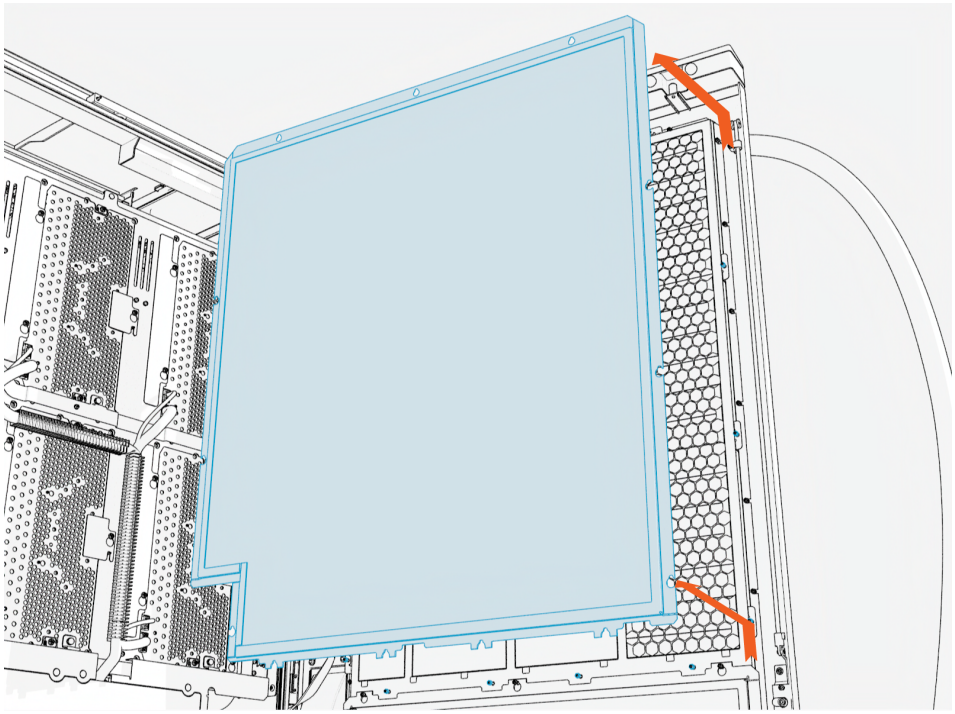
1. Loosen (do not remove) the M4 nuts (x13).



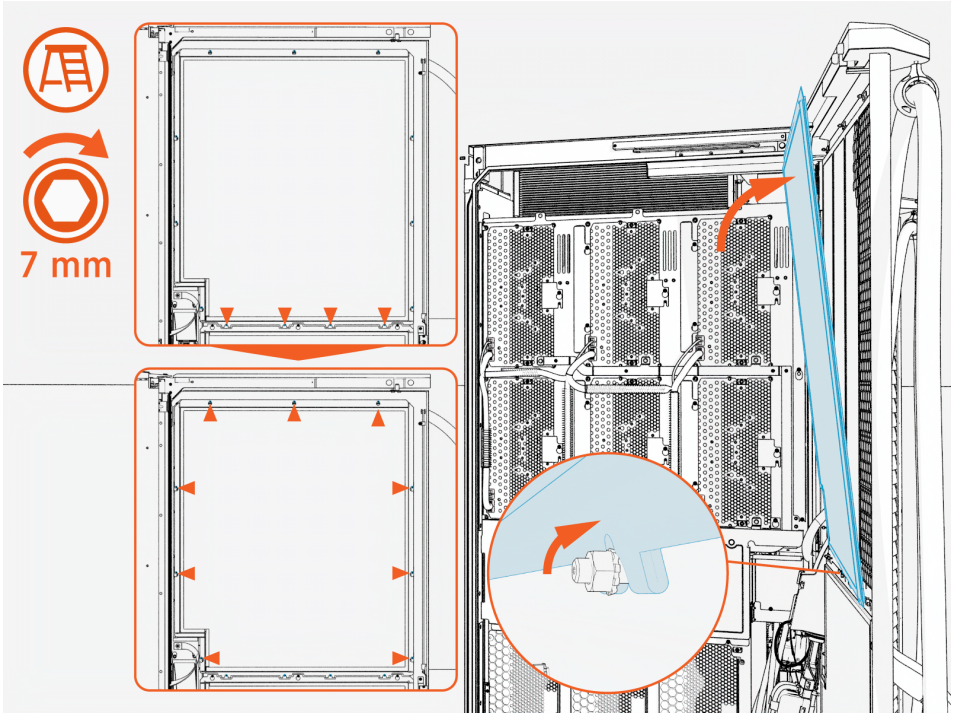
REINSTALL NOTE: Torque the nuts to **2.8 Nm (25 in-lb)** .

IMPORTANT: Do not use impact driver to tighten fasteners.

2. Remove the exhaust top air-filter **(a)** with the frame.

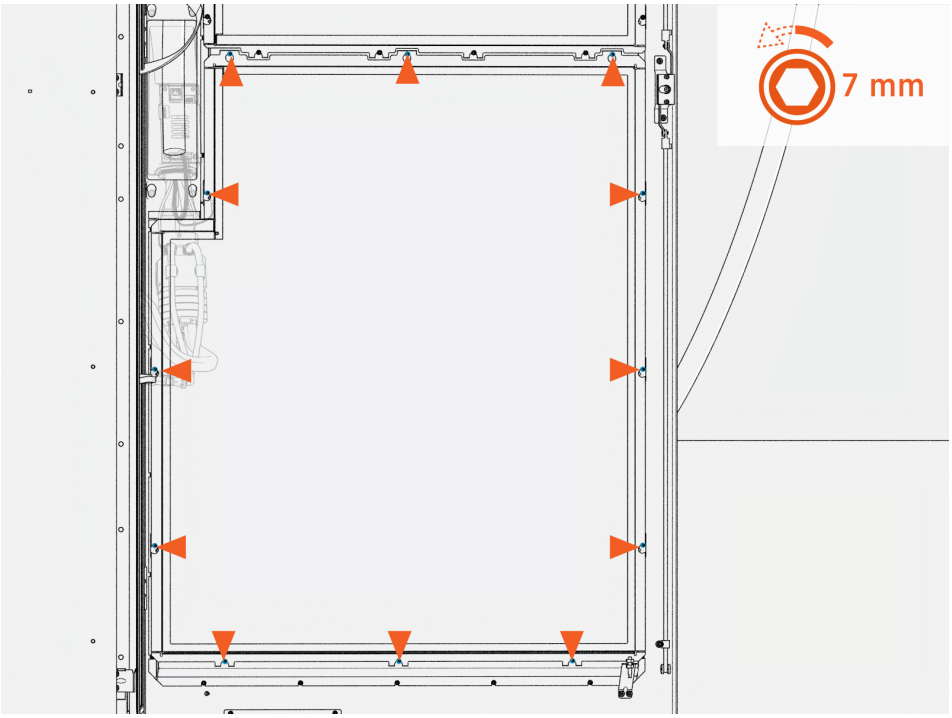


REINSTALL NOTE: To install the new panel, position it on the lower mounting M4 nuts and slide it into place. Push the panel against the door frame until it is fully seated, and then install and tighten the M4 nuts. Refer to the following figure.



To replace the exhaust bottom air-filter **(b)** for replacement, follow these steps.

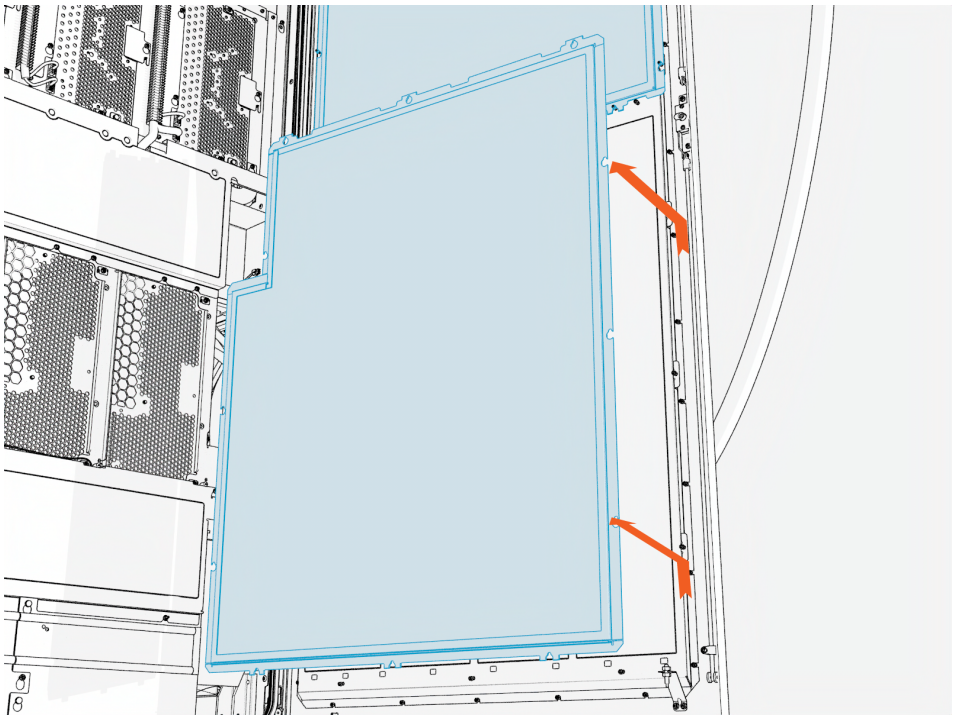
1. Loosen (do not remove) the M4 nuts (x12).



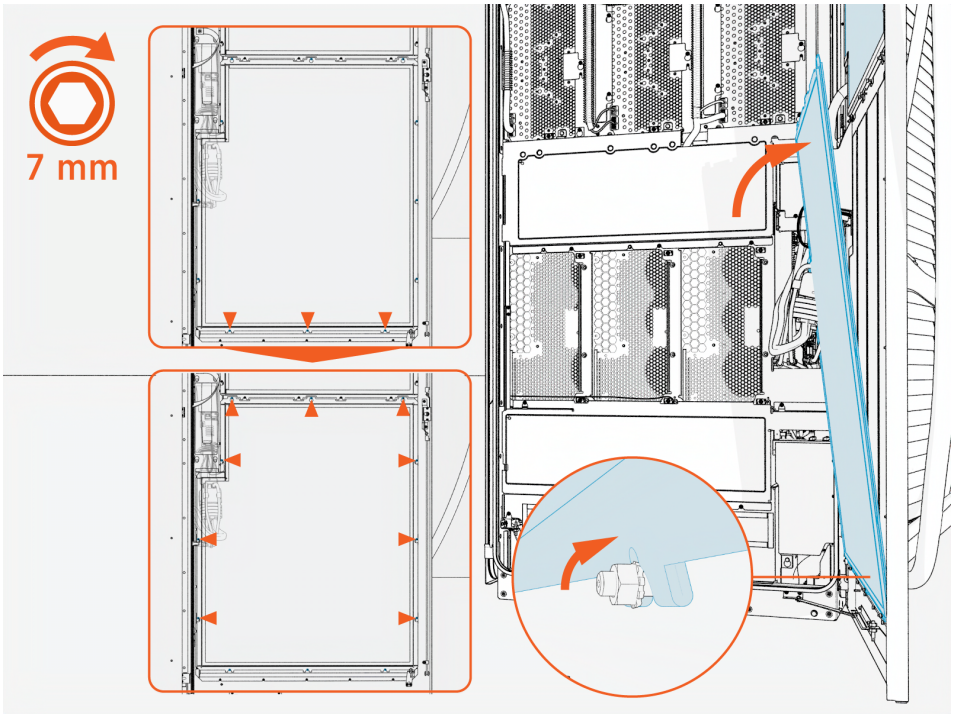
REINSTALL NOTE: Torque the nuts to **2.8 Nm (25 in-lb)** .

IMPORTANT: Do not use impact driver to tighten fasteners.

2. Remove the exhaust bottom air-filter **(a)** with the frame.



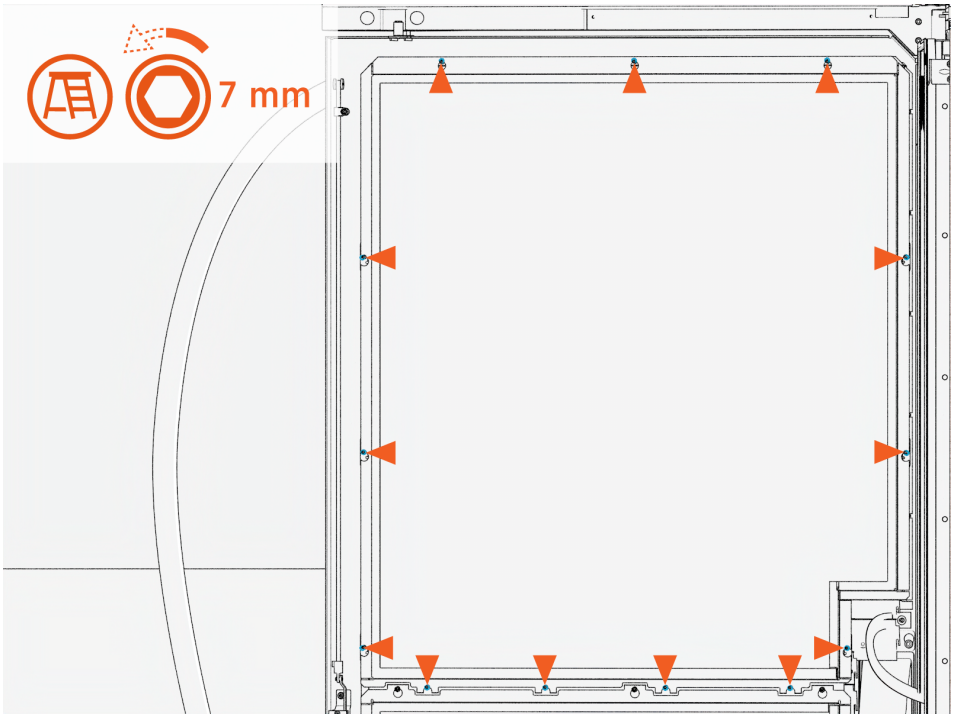
REINSTALL NOTE: To install the new panel, position it on the lower mounting M4 nuts and slide it into place. Push the panel against the door frame until it is fully seated, and then install and tighten the M4 nuts. Refer to the following figure.



Replace the Intake (Right) Side Door Air filter

To replace the intake top air-filter **(d)** for replacement, follow these steps.

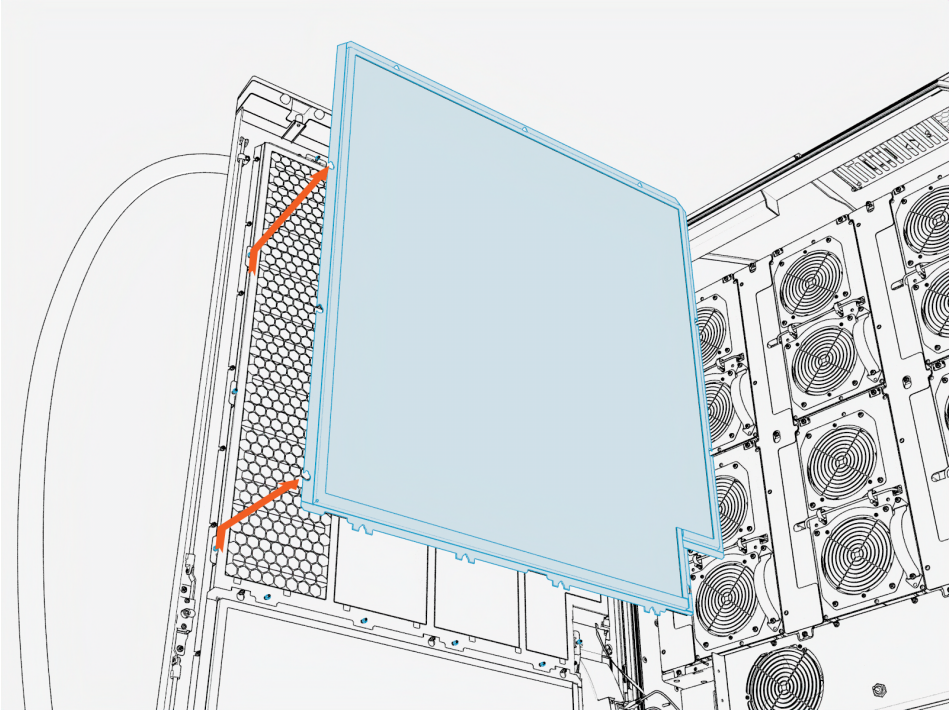
1. Loosen (do not remove) the M4 nuts (x13).



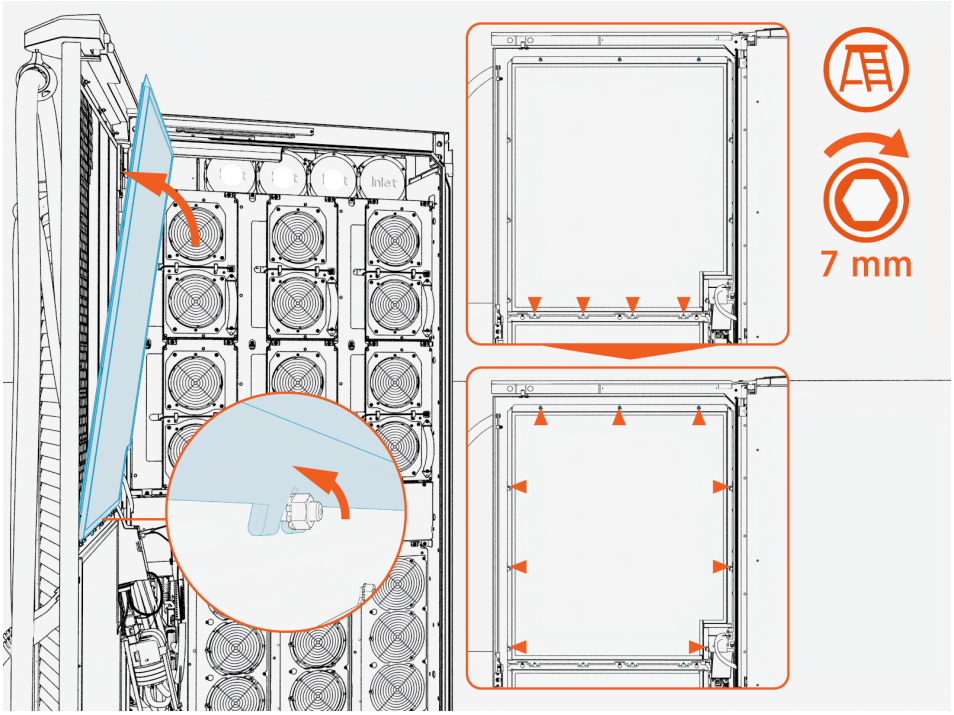
REINSTALL NOTE: Torque the nuts to **2.8 Nm (25 in-lb)** .

IMPORTANT: Do not use impact driver to tighten fasteners.

2. Remove the intake top air-filter **(d)** with the frame.

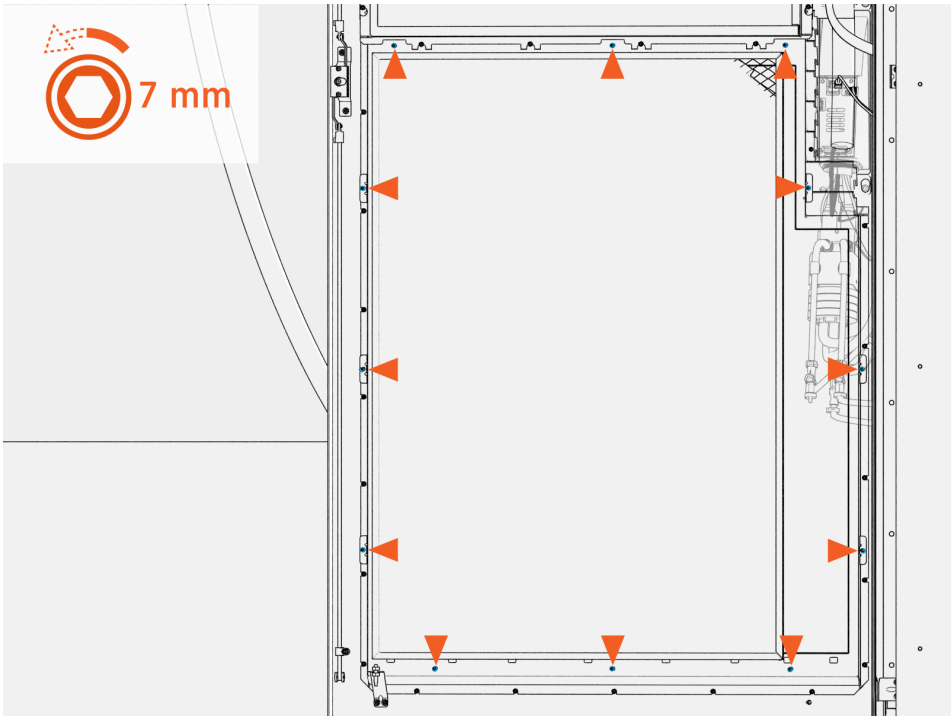


REINSTALL NOTE: To install the new panel, position it on the lower mounting M4 nuts and slide it into place. Push the panel against the door frame until it is fully seated, and then install and tighten the M4 nuts. Refer to the following figure.



To replace the intake bottom air-filter **(c)** for replacement, follow these steps.

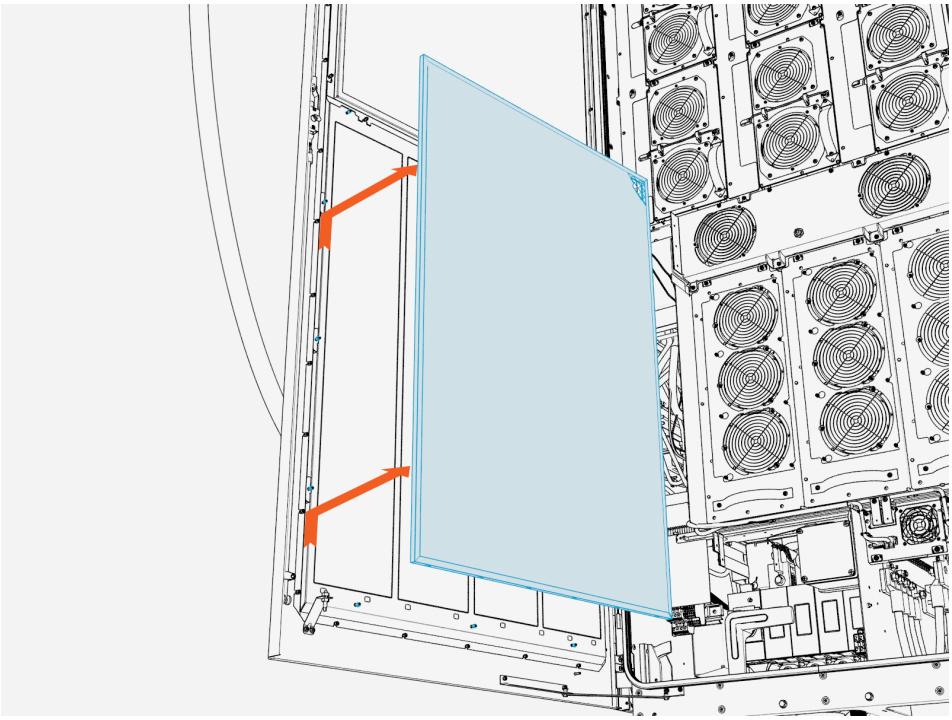
1. Loosen (do not remove) the M4 nuts (x12).



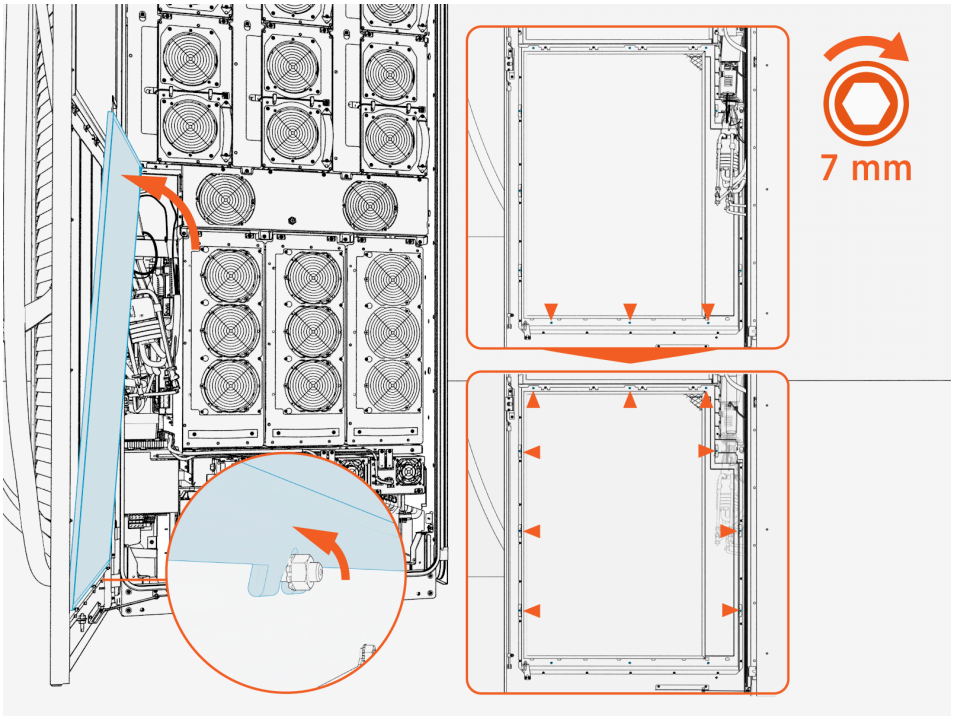
REINSTALL NOTE: Torque the nuts to **2.8 Nm (25 in-lb)** .

IMPORTANT: Do not use impact driver to tighten fasteners.

2. Remove the intake bottom air-filter **(c)** with the frame.



REINSTALL NOTE: To install the new panel, position it on the lower mounting M4 nuts and slide it into place. Push the panel against the door frame until it is fully seated, and then install and tighten the M4 nuts. Refer to the following figure.


7 mm

AC Fuse 21

Required Tools and Materials


Socket (8 mm and 13 mm)


Torx screwdriver (T30)


Torque wrench


Torque screwdriver

Before You Begin

1. Power Off.

   NOTE: Wait at least five minutes for energy to dissipate.

2. Open the exhaust (left) door.

After replacing the components, reverse the above steps to complete the service.

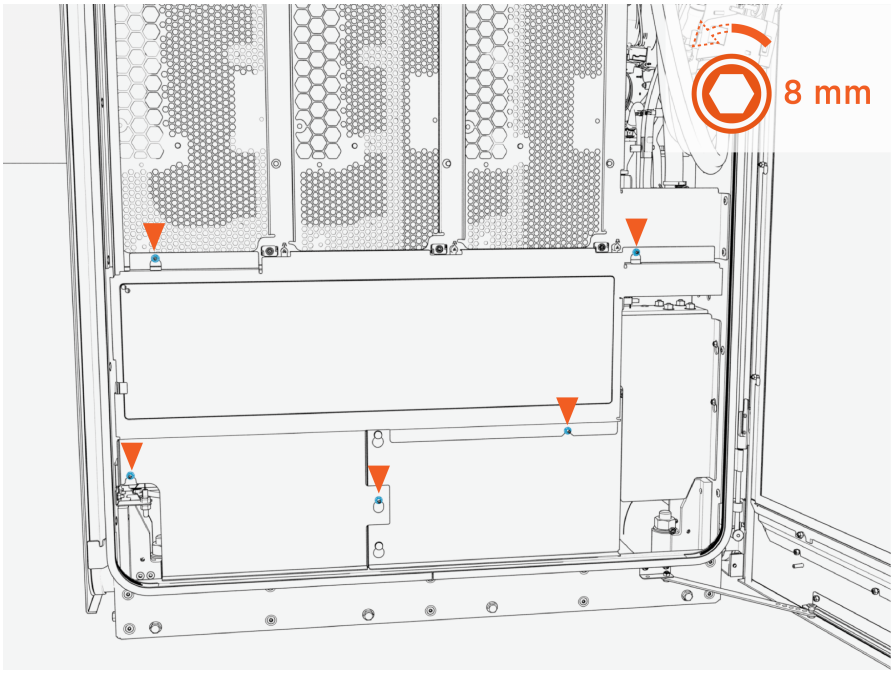
IMPORTANT:

- Complete the post-service checklist. The checklist is available at ChargePoint Product Reference Documentation.
- Contact ChargePoint regarding faulty part return.

Remove the AC Fuse

To remove the AC fuse for replacement, follow these steps.

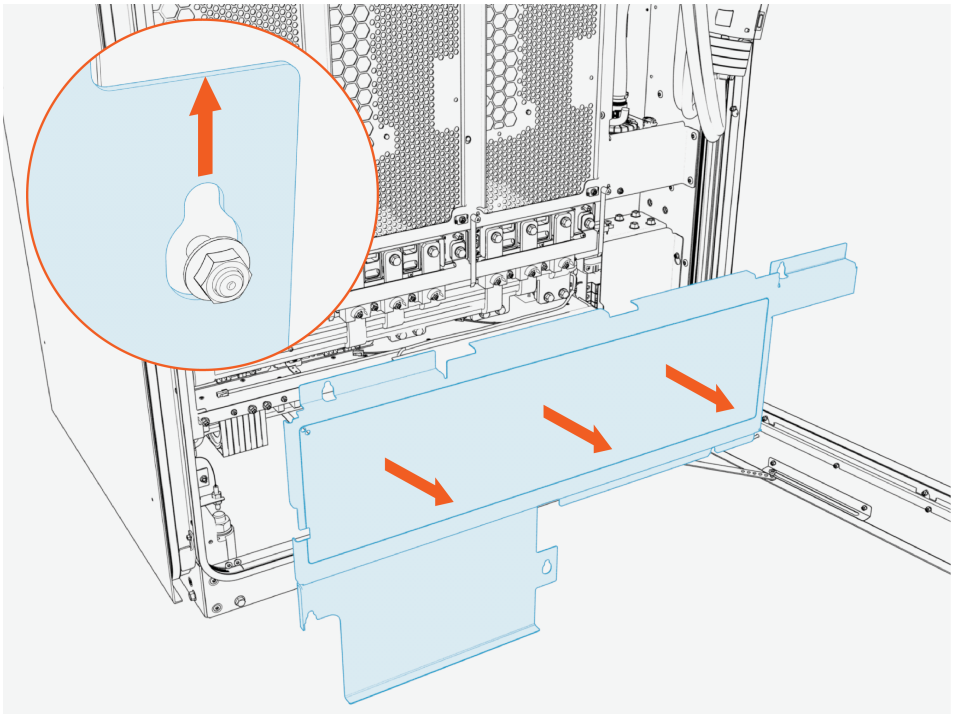
1. On the exhaust (left) side of the cabinet, at the bottom of the cabinet, remove the DC bus bar safety cover.
    a. Loosen (do not remove) the M5 nuts (x5) that secure the DC bus bar safety cover.



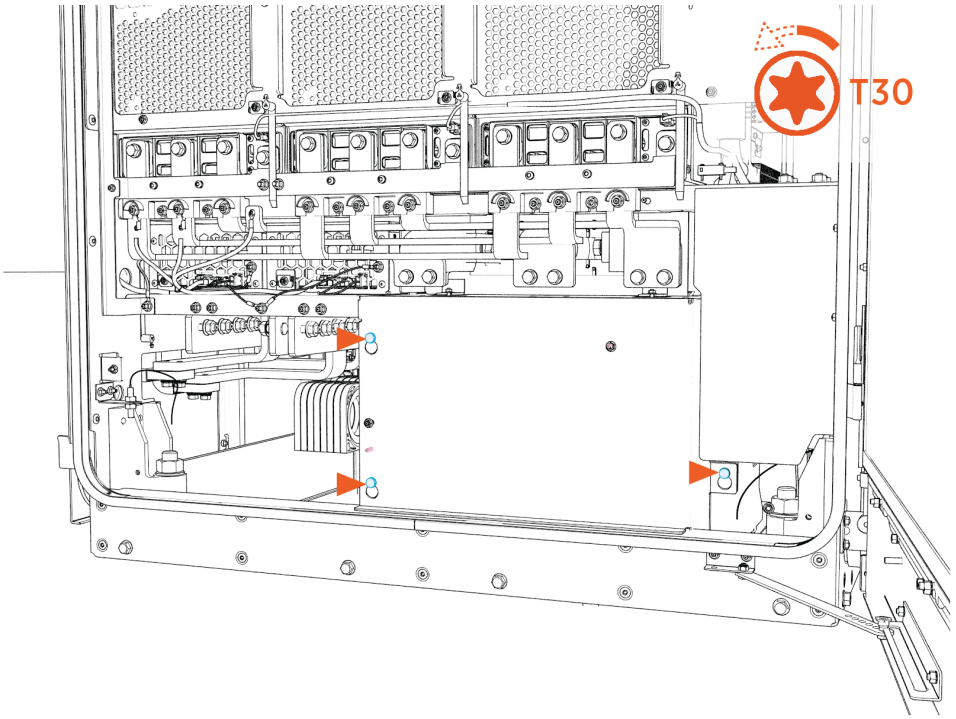
REINSTALL NOTE: Torque the nuts to **4.5 Nm (40 in-lb).**

IMPORTANT: Do not use impact driver to tighten fasteners.

2. Slide the cover upward to release the keyholes. Then pull outward to remove the safety cover.



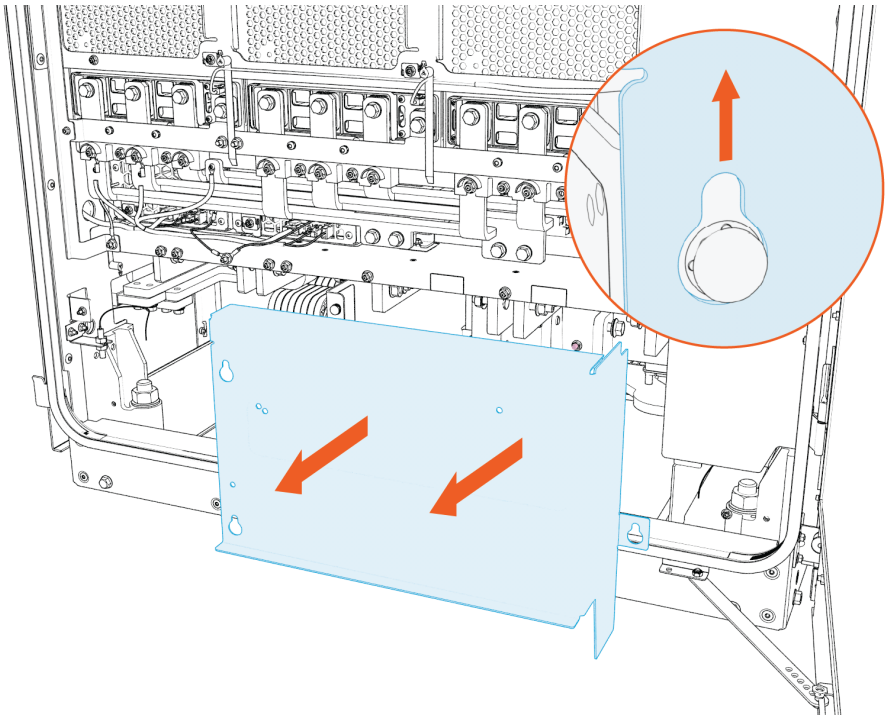
3. Loosen (do not remove) the nuts (x3) that secure the AC bus bars safety cover.



REINSTALL NOTE: Torque the fasteners to **4.5 Nm (40 in-lb).**

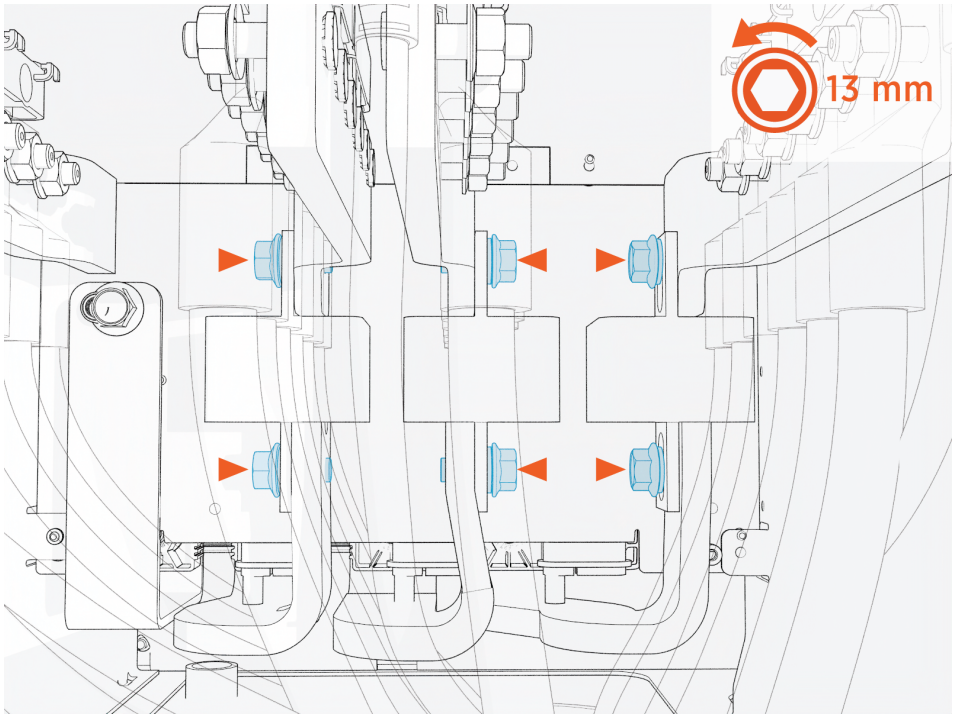
IMPORTANT: Do not use impact driver to tighten fasteners.

4. Slide the cover upward to release the keyholes. Then pull outward to remove the safety cover.



5. Identify the AC fuse to be removed and remove the M8 nuts (x2).

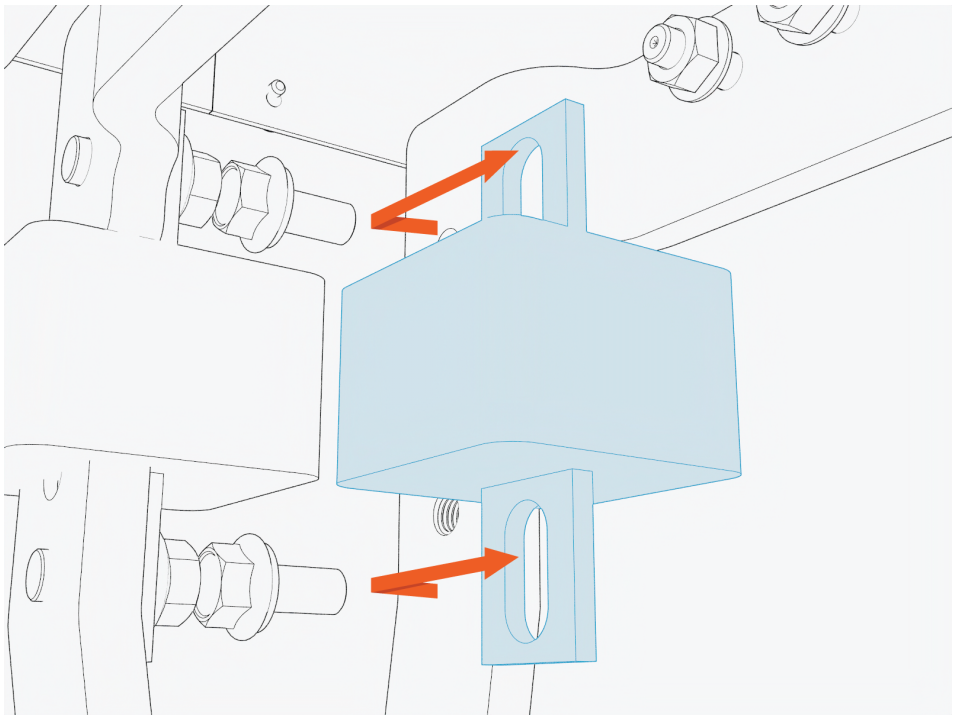
NOTE: The Express Solo contains three AC fuses. The following procedure applies to one fuse. Repeat the same steps for the other fuses, as required.



REINSTALL NOTE: Torque the nuts to **12.2 Nm (108 in-lb)**.

IMPORTANT: Do not use impact driver to tighten fasteners.

6. Remove the AC fuse.



7. **Reverse the above steps to reinstall with replacement AC fuse.**

DC Fuse 22

Required Tools and Materials


Socket (8 mm, 13 mm and 17 mm)


Torque wrench


Angle extender

Before You Begin

1. Power Off.

   NOTE: Wait at least five minutes for energy to dissipate.

2. Open the exhaust (left) door.

After replacing the components, reverse the above steps to complete the service.

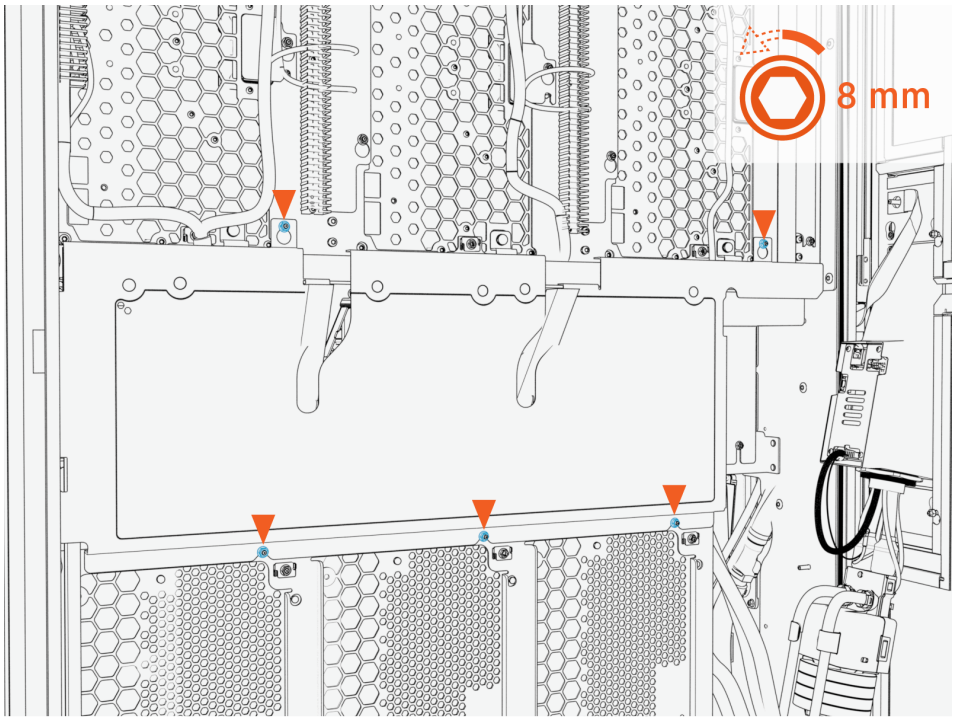
IMPORTANT:

- Complete the post-service checklist. The checklist is available at ChargePoint Product Reference Documentation.
- Contact ChargePoint regarding faulty part return.

Remove the DC Fuse

To remove the DC fuse for replacement, follow these steps.

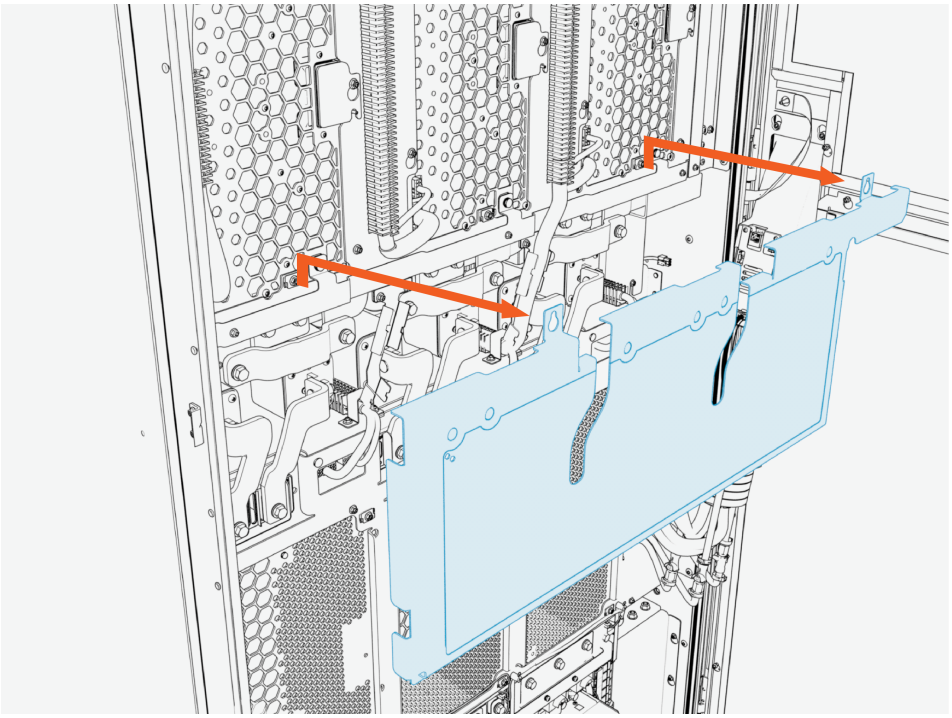
1. Loosen (do not remove) the M5 nuts (x5).



REINSTALL NOTE: Torque the nuts to **4.5 Nm (40 in-lb).**

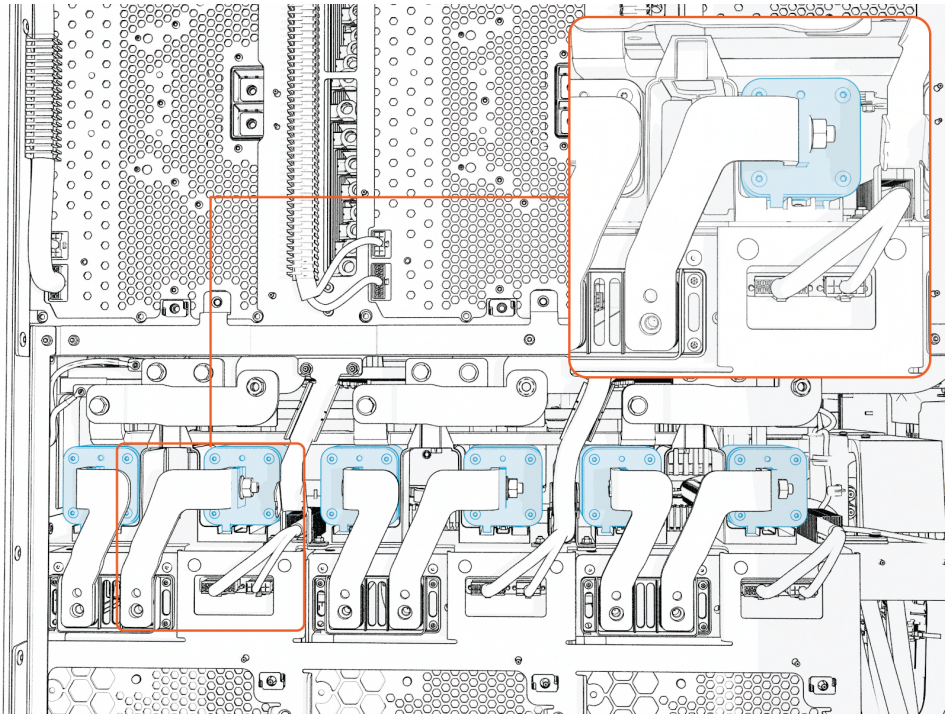
IMPORTANT: Do not use impact driver to tighten fasteners.

2. Lift the DC safety cover upward from the keyslot and pull it forward to remove.

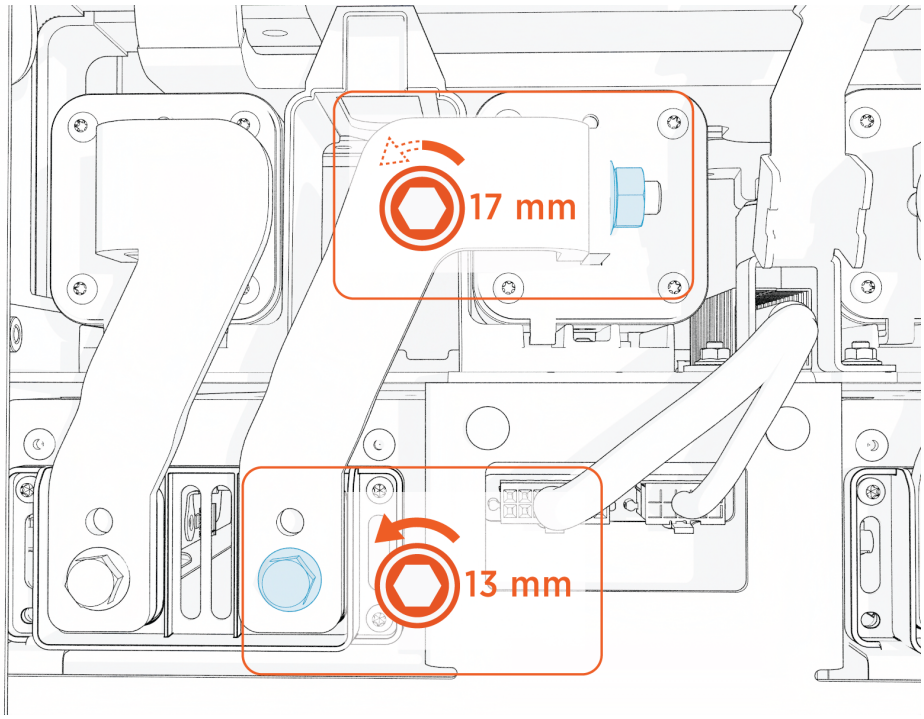


3. Identify the DC fuse to be replaced.

> **NOTE:** The Express Solo / Power Block 2000 contains six DC fuses. The following procedure applies to one fuse. Repeat the same steps for the other fuses, as required. Each DC fuse is mounted to a DC bus bar.



4. Loosen (do not remove) the M8 (x1) nut and remove M10 (x1) nut, to remove the DC bus bar.

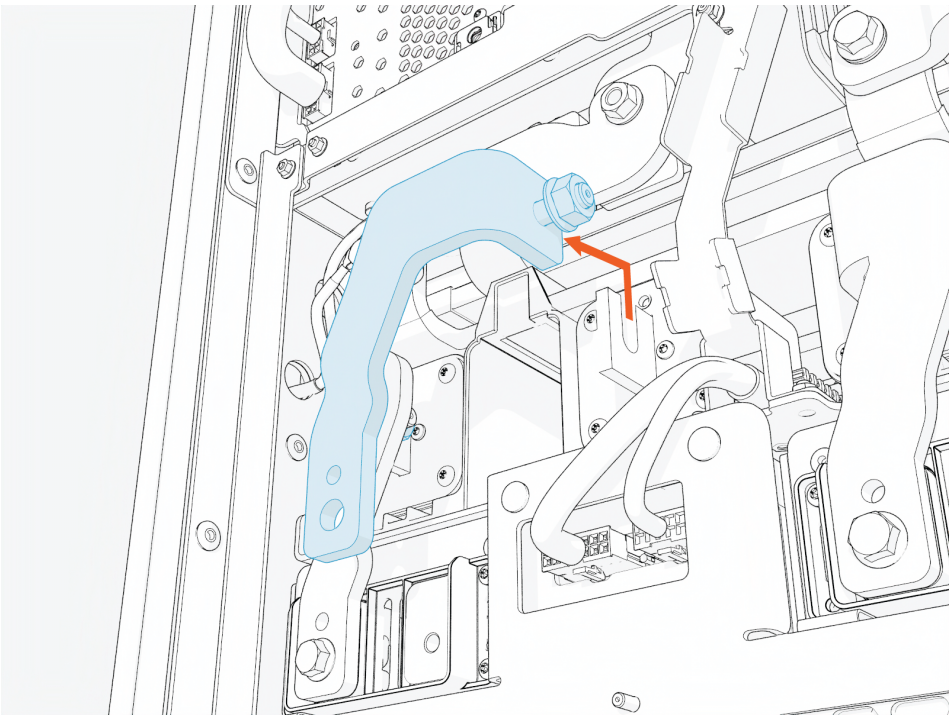


REINSTALL NOTE: Torque the M10 nut to **19 Nm (14 ft-lb)**.

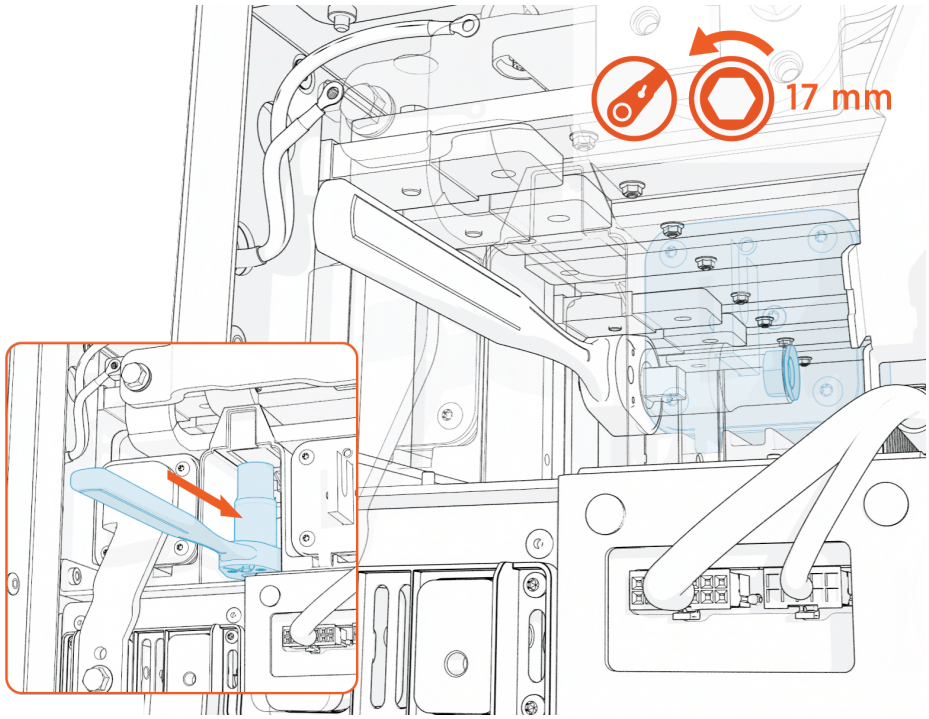
REINSTALL NOTE: Torque the M8 nut to **12.2 Nm (108 in-lb)**.

IMPORTANT: Do not use impact driver to tighten fasteners.

5. Remove the DC bus bar.



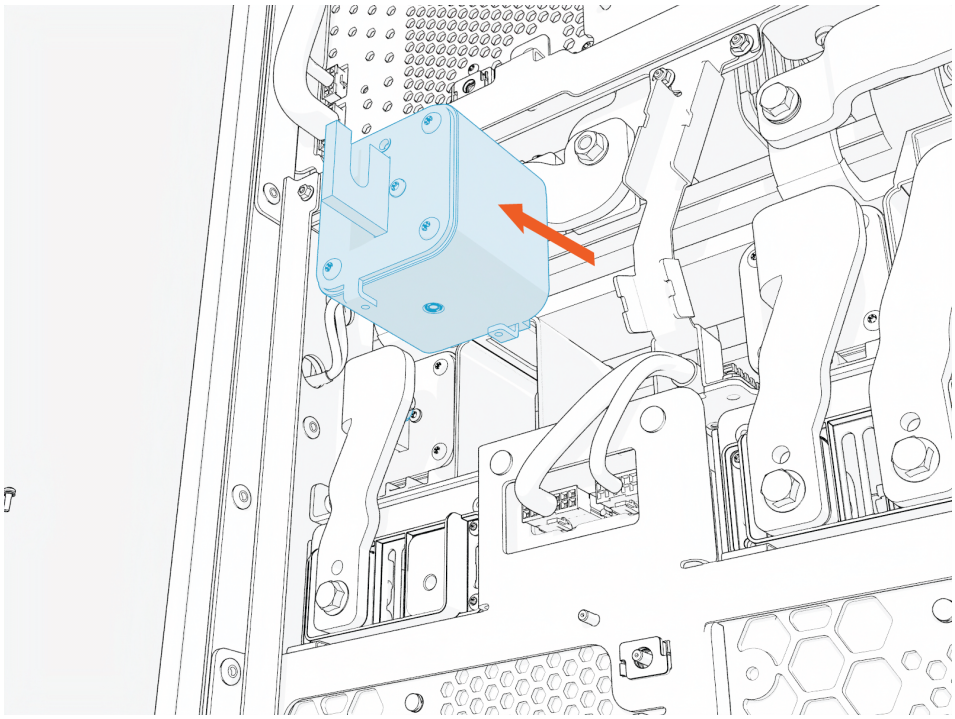
6. Insert an angled socket into the gap and loosen the M10 nut (x1).



REINSTALL NOTE: Torque the nut to **19 Nm (14 ft-lb)**.

IMPORTANT: Do not use impact driver to tighten fasteners.

7. Remove the DC fuse from the mount.



8. **Reverse the above steps to reinstall with replacement DC fuse.**

Power On 23

NOTE: Express Solo/Power Block 2000 must pass commissioning before power on, or warranty limitations apply.

1. Ensure all safety panels have been correctly installed, all doors are closed and locked, and all other parts have been correctly installed and the work is complete.
2. Turn on power at the same points that you turned it off.

   NOTE: If the site has a remote shunt trip switch, ensure that the switch is in the operating position.

3. Wait for self-diagnostics to run. The system may take several minutes to initiate. You may see messages intermittently until the system fully boots up.

Self-Diagnostic	After Installation	After Service or Power Outage
Electrical safety checks	✓	✓
Lighting checks	✓	✓
Display panel checks	✓	✓
Component operation checks	✓	✓
Network connectivity checks	✓	✓
Installation Wizard (for the installer to complete configuration and pinpoint the station on maps)	✓	–

4. View diagnostics information.
    a. Log in to the ChargePoint Platform at na.chargepoint.com or ca.chargepoint.com or eu.chargepoint.com.
    b. Select **Stations**.
    c. Apply filters to locate the desired station.
    d. Select the station name to view the station-specific information.



IMPORTANT: If a red status alert appears, contact ChargePoint immediately at chargepoint.com/support. A yellow status alert provides you with information that may require action (such as maintenance action) or no action.

5. If you have not yet configured the station (such as pricing, messaging, and additional options), do so after installation or service is complete. Refer to the *Express Solo and Express Distro Power Block 2000 Operations and Maintenance Guide*.

FCC Compliance Statement

Refer to the ChargePoint product nameplate to determine if your product is Class A or Class B.

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

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

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

- **Class B 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.