CPE200

DC Fast Charging Station

Installation Guide

May 8, 2018

Part Number 75-001211-01 Rev 3

No accuracy guarantee

Commercially reasonable efforts were made to ensure that the specifications and other information in this manual are accurate and complete at the time of its publication. However, the specifications and other information in this manual are subject to change at any time without prior notice.

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

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Table des matières

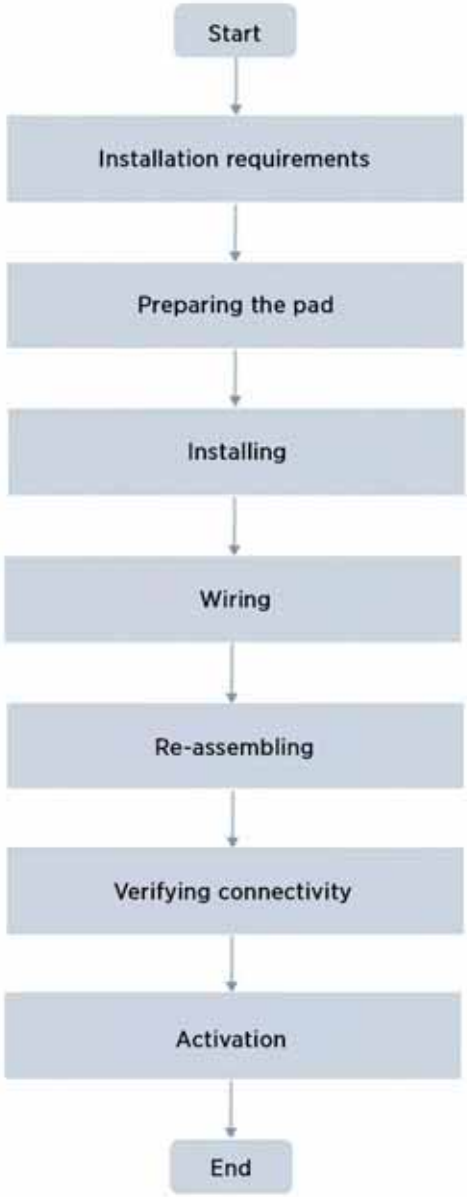
Overview 1

The ChargePoint CPE200 Fast Charger (CPE200) offers DC fast charging for all EVs equipped with DC fast charging. This section provides the following information:

+ Workflow
+ Specifications

Workflow

The following chart shows the installation flow process for the CPE200.



Specifications

Table 1 Electrical input

Input power	52 kW @ 3-phase
Input voltage, charging	400/230 V, 415/240 V ±10%
Input current	78 A
Input frequency	50 Hz ±5%
Standard wiring	3-phase, 5-wire (L1, L2, L3, N, Ground)

Table 2 Electrical output

Maximum output power	50 kW (@400–500 V)
Output voltage	200–500 V DC
Output current	125 A max

Table 3 Functional interfaces

Connector types	CHAdeMO, CCS2
Cable length	3.8 metres
LCD display	2 line OLED display
Plug-in detection	No selection of plug required Auto-detects which plug is connected

Table 4 Safety and operational ratings

Enclosure rating	Type 3R, IP 65
Surge protection	6 kV @ 3,000 A In geographic areas subject to frequent thunderstorms, supplemental surge protection at the service panel is recommended.
Efficiency	>92%
Power factor	>0.99
Cooling	Liquid-cooled
Operating altitude	1,828 metres
Operating temperature	-35 to 50°C
Storage temperature	-20 to 45°C
High-altitude operating temperature	1,800–2,400 m: -35 to 40°C Output power derating may apply
Operating humidity	Up to 95% @ +50°C non-condensing
Terminal block	Temperature rating: 75°C Tightening torque: 3.5 Nm Wire size: 21–34 mm^2

Table 5 Dimensions and weights

Dimensions	2,000 (H) x 750 (W) x 330 (D) mm
Installation footprint	580 (W) x 270 (D) mm
Weight	165 kg
Shipping weight	200 kg

Installation requirements 2

The CPE200 Fast Charger must be installed only by ChargePoint-certified installers and in accordance with all local and national codes and standards.

Important
If you are using the CPE200 Adapter, please see the CPE200 Adapter Guide.

Important
Installing the CPE200 Fast Charger by any person other than a ChargePoint-certified installer **voids** the warranty and ChargePoint is **not** responsible for any malfunction.

This chapter provides various requirements that should be observed before installation.

Safety

You must comply with the following safety requirements:

+ Meet local building and safety codes, and International Electrotechnical Commission (IEC), as applicable.
+ Shut off all voltage sources and verify absence of voltage when installing the power supply.
+ Use a forklift or crane to lift the 330 kg weight of the CPE200 in its horizontal orientation to prevent injury.

Grounding

The CPE200 must be connected to a grounded, metal, permanent wiring system. An equipment-grounding conductor must be run with circuit conductors and connected to equipment-grounding terminal or lead on battery charger.

An insulated grounding conductor that is identical in size, insulation material and thickness to the grounded and ungrounded branch-circuit supply conductors except that it is green with or without one or more yellow stripes is to be installed as part of the branch circuit that supplies the unit or system. This grounding conductor must be grounded to earth at the service equipment or, when supplied by a separately derived system, at the supply transformer.

Site

Important
Do not install the CPE200 Fast Charger kerbside on a roadway, in a commercial car repair facility or within 6 metres of an outdoor fuel dispensing device to reduce potential risk of explosion.

+ The CPE200 Fast Charger is fastened to a prepared concrete pad using four anchor bolts. The pad must be level and flat and be 20 MPa or greater. The concrete pad must support the size and weight of the CPE200 Fast Charger and comply with all applicable codes. See the Preparing the pad chapter for instructions.
+ Refer to your Site Survey Plan to ensure that site meets the following requirements:
  - Mobile coverage
  - Electrical panel capacity
  - Installation location for each station
+ The CPE200 charging cables can reach up to 3.2 metres. Ensure that the charging plugs can easily reach cars' charging ports without effort or strain on either end.
+ Install the CPE200 Fast Charger at the end of a stall parking space or island with pull-through capability.
+ If installed at the end of a parking space, the CPE200 Fast Charger can either be centred at the end of the parking space or positioned up to 305 metres to the left as you face the rear of the space.

Electrical power

Caution
The CPE200 Fast Charger must be installed and serviced only by qualified electrical personnel.

+ The CPE200 accommodates service wiring through a conduit installed either underground or above ground. Above-ground conduit is to be used **only** in locations such as a parking garage where it is impossible to accommodate service wiring from underground.
+ Ensure to comply to the national, regional and local regulatory electrical requirements.

- Always connect the CPE200 to the equipment-grounding conductor of your electricity supply.
- Observe local regulations regarding wiring different circuits in the same conduit, including the Ethernet link if used. In general, all conductors occupying the same conduit shall have an insulation rating equal to at least the maximum circuit voltage applied to any conductor within the conduit.
- Use 90°C copper wire and 21-34 mm^2 wiring.

Environmental

The CPE200 Fast Charger is IP65 compliant. The conduit must be appropriately sealed to maintain IP65 rating. The CPE200 Fast Charger may be installed and operated at elevations of maximum 2,400 metres. Ensure that the maximum operating temperature does not exceed the figure listed in the following table.

Operating altitude	1,828 metres
Operating temperature	-35 to 50°C
Storage temperature	-35 to 50°C
High-altitude operating temperature	1,800–2,400 m: -35 to 40°C
Operating humidity	Up to 95% @ +50°C non-condensing

Contractor tools and materials

You will need tools and materials to install the mounting template and the stations:

- Tools and materials for a new pad
- Tools and materials for an existing pad
- Tools to install the station

Preparing the pad 3

You can mount the CPE200 onto a newly-poured concrete pad or to an existing concrete surface (e.g. a parking garage):

+ Preparing a new pad
+ Preparing an existing surface

Important

Always check local codes or consult an engineer to ensure that the installation complies with all applicable codes.

The guidelines described here are the minimum requirements. You may need to increase the dimensions of the concrete pad depending on local regulations or soil conditions.

Preparing a new pad

The CPE200 is bolted directly to the concrete pad. If you plan to upgrade from the CPE200 to the CPE250 charging station, refer to the CPE200 Adapter Guide.

Tools and materials for a new pad

+ Concrete to build the mounting pad, 20 MPa minimum
+ 40 mm conduit as required, terminating in a threaded female coupling flush with the top surface of the concrete

For convenience and as an option, you can purchase the following items from ChargePoint:

+ CPE200 Concrete Mount Kit (PN CPE200T-CCM), which includes all mounting hardware
+ Prefabricated plywood template (PN CPE200T-BT)

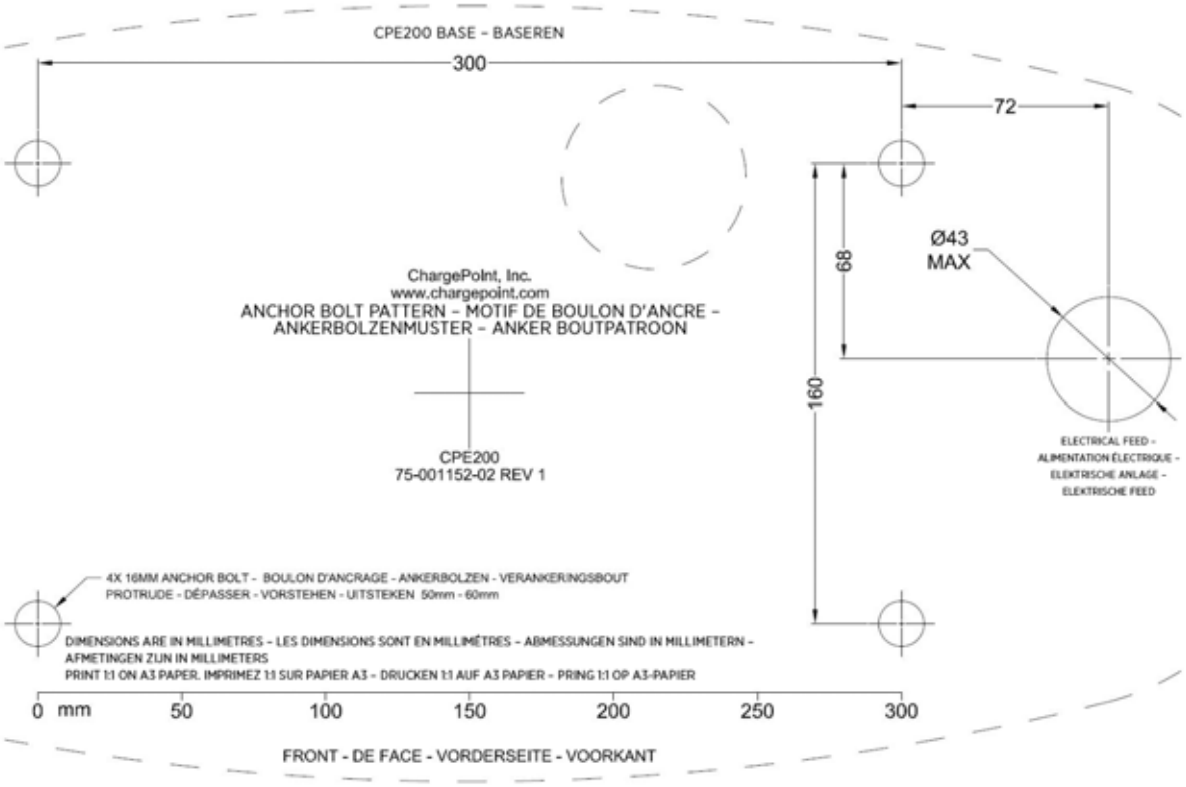
If you are not purchasing the above items from ChargePoint, you need the following items:

+ Bolt installation template that you can download from http://www.chargepoint.com. See *Figure 1*.

Note
Ensure that the PDF version is accurate by printing it at 100% scale on A3 paper, and then verifying at least one dimension.

+ Plywood suitable for a template
+ 12 galvanised washers
+ 12 x M16 heavy galvanised hex nuts (DH rated)
+ 4 x M16 x 300 mm hot-dipped galvanised headless bolts
+ 40 mm conduit to the concrete pad
+ 8 x 16 mm ID heavy washers
+ Service disconnect switches (as required)

Figure 1 Bolt installation template sample



Installing in new concrete

Important

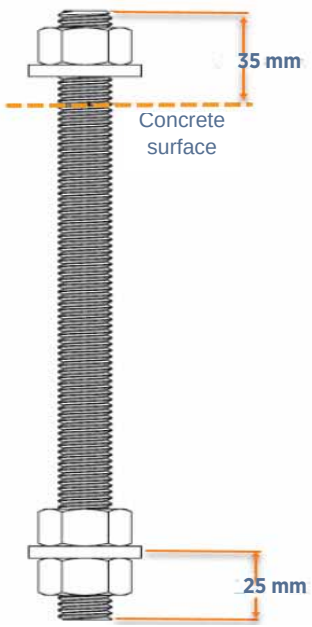
Check local codes or consult an engineer to ensure that the installation complies with all applicable codes.

1. Verify that the site is suitable for a CPE200 installation. Confirm that there is adequate clearance and that the CPE200 can be properly positioned so that the cable can reach the charge ports of any EV parked in the space.
2. Trench and excavate an opening for the concrete pad that measures at least 1 m wide x 850 mm long (front to back) and 650 mm deep (below grade). The concrete pad must be reinforced with rebar.
3. Build the concrete form.
4. Run 40 mm conduit from disconnect. Thread a nipple or short section of conduit into the coupling. This will determine the position of the plywood template and mounting bolts.
5. Add rebar to reinforce the concrete pad. Dowel to adjacent concrete if applicable.
6. Place the ChargePoint prefabricated plywood template into the opening.

Note

If you have not purchased one from ChargePoint, you can download a template from http://www.chargepoint.com.

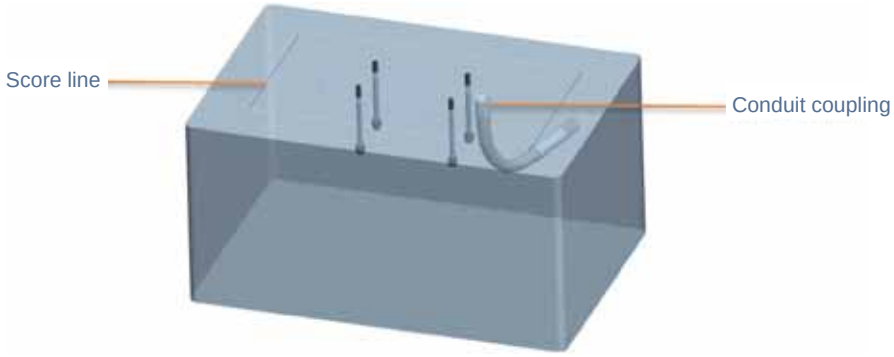
7. Install two nuts with one washer captured between them onto each of the four bolts. Lock them together so the washer is 25 mm from the bottom of the bolt.



8. Insert the bolts through the template and thread the remaining nuts onto the top end of the bolts. Position the nuts so the bolts extend 35 mm above the concrete.

Note
Make sure that the studs do not protrude more than 40 mm including the thickness and height of the plywood template. Removing and replacing the fan will be impossible when the protrusion is more than 40 mm.

9. Cover the nuts and the exposed end of the bolts with tape to protect them from contamination.
10. Pour the concrete into the form.
11. Immediately afterwards, rotate the bolts to draw the concrete into the threads. Make sure that they are vertical. Ensure correct alignment and that the top 35 mm of the bolts remains exposed.
12. If pouring an above grade pad, form a faux curb with score line 150 mm from edge.



13. When the concrete is firm, remove the upper nuts and template. Finish smoothing the top surface of the concrete pad.
14. Allow the concrete to cure for at least 48 hours to reach full strength.

The concrete pad is now ready to install the CPE200. See the Installing chapter.

Preparing an existing surface

You can mount the CPE200 directly on an existing concrete surface, such as a parking garage. Check that the top surface of the concrete is perfectly flat and level and bolt the CPE200 station directly on the concrete surface. If you plan to upgrade from the CPE200 to the CPE250 charging station, refer to the CPE200 Adapter Guide.

The conduit is brought into the rear of the CPE200 via the concrete surface.

Note
To safely mount the CPE200, the concrete must be at least 200 mm thick. At this thickness, all mounting bolts must be positioned at least 500 mm from the front and rear edges and at least 60 cm from the side edges.

Tools and materials for an existing pad

+ Hammer drill with 13 mm chuck
+ 20 mm x 450 mm masonry drill bit for concrete
+ 4 x M16 x 300 galvanised threaded rods
+ 4 x M16 galvanised hex nuts
+ 4 x M16 galvanised washers
+ Consumable materials for each station
  - 1 cartridge concrete repair and anchoring epoxy to attach anchor bolts into drilled holes
  - Mixing nozzles for epoxy concrete adhesive for concrete with extra mixing nozzles to accommodate delays of over three minutes when applying epoxy
  - 1 standard epoxy caulking gun
  - 1 can compressed air duster

- 20 mm x 450 mm masonry drill bit, 13 mm shank, 250 mm drill depth, 305 mm length overall to drill 20 mm holes
- Nylon loop-handle brush, 19 mm brush diameter, 76 mm length brush, 216 mm length overall to remove dust from drilled holes
- Push-on round cap, fits 16–17 mm OD, 13 mm inside height

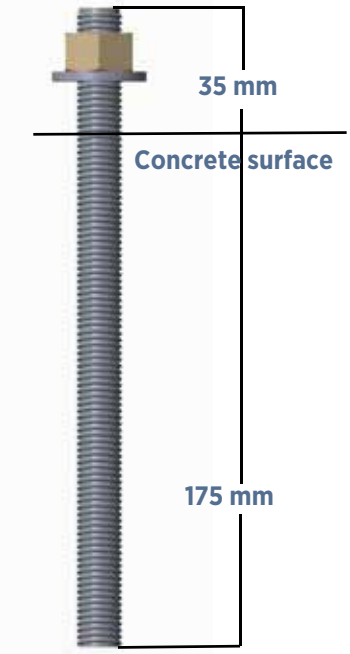
Installing in existing concrete

Important
If installing into any reinforced or pre-tensioned concrete, you must X-ray the area to ensure that you are not drilling through any rebar.

1. Make 16 mm diameter holes in the ChargePoint prefabricated plywood template at the bolt locations.

Note
If you have not purchased one from ChargePoint, you can download a template from http://www.chargepoint.com. See *Figure 1* for a template sample.

2. Use the template guide to mark the hole locations in the concrete.
3. Drill four 20 mm diameter holes into the concrete. Ensure that the bolts protrude 35 mm above the concrete surface.



4. Remove all dust from the holes using a brush and compressed air or a vacuum. Insert the rod to confirm the correct depth.
5. Insert the bolts into the plywood template with nuts on top of the template.

6. Fill the four holes with epoxy to 76 mm below the top.

Note
Take note of the cure time to make sure you can insert and position the bolts before the epoxy sets.

7. Insert the bolts into the holes. Ensure the bolts protrude 35 mm above the concrete.

Note
Inserting the threaded bolts displaces the epoxy, causing it to fill the holes to grade level. If the epoxy is below grade level, you can add more after the next step.

8. Loosen the nuts and rotate the bolts to ensure the epoxy penetrates the threads. Avoid getting epoxy into the above-grade threads.
9. Tighten the nuts again to ensure the bolts are plumb.
10. Verify that the bolts protrude 35 mm above the concrete.

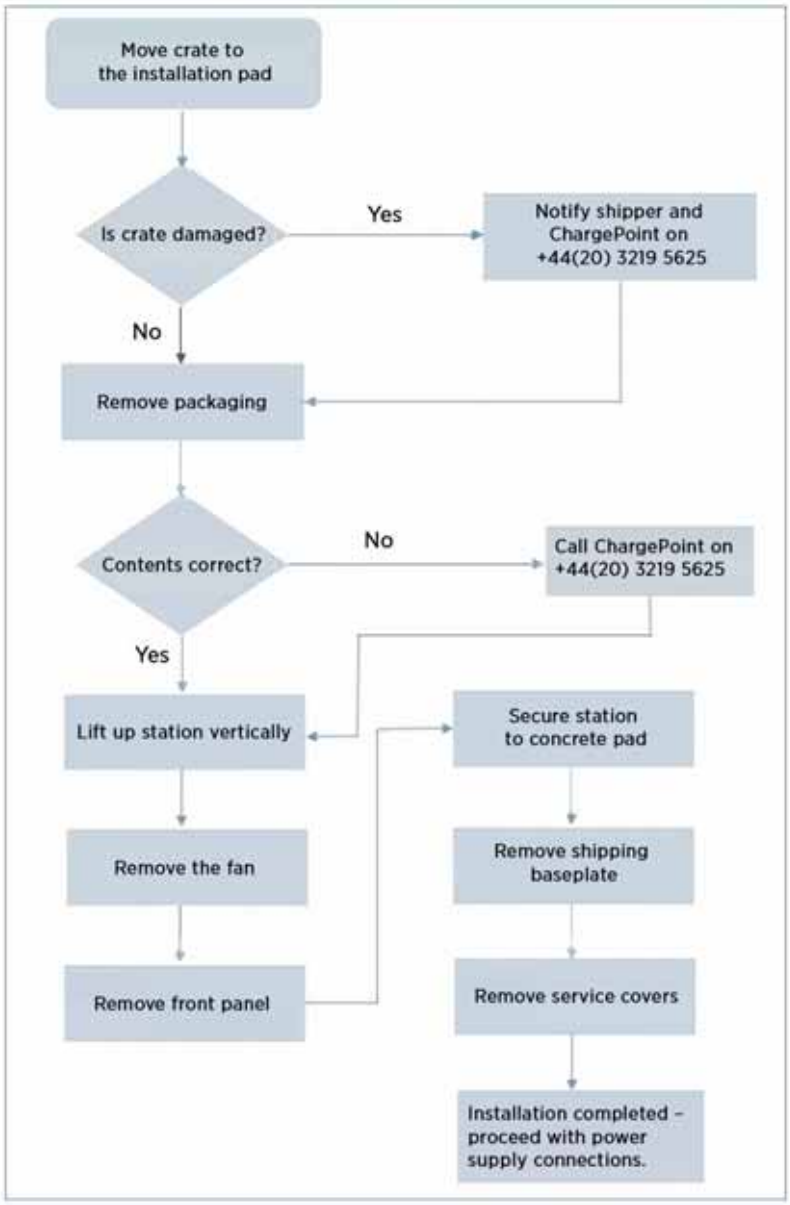
Note
Make sure that the bolts do not protrude more than 40 mm including the thickness and height of the plywood template. Removing and replacing the fan will be impossible when the protrusion is more than 40 mm.

11. Allow the epoxy to cure completely before applying any load. Check the cure time on the manufacturer's data sheet.

You are now ready to install the CPE200. See the Installing chapter.

Installing 4

After the pad is prepared and surveyed by a qualified engineer, you are ready to begin the installation process. The following diagram shows the process flow for installing the CPE200.



Important
The CPE200 has an IP65 and NEMA Type 3R electronics enclosure rating. Because the enclosure is opened during installation, make sure you perform the installation during dry, calm weather or under cover to prevent ingress of moisture or debris.

Important
If the CPE200 is mounted on newly-poured concrete, ensure that the concrete pad has completely cured. This takes approximately 48 hours after the concrete is poured.

Tools to install the station

You need the following tools to install the station:

- Lifting equipment sufficiently rated to lift a weight of 330 kg and dimensions of 940 (H) x 2,286 (W) x 530 mm (D)
- Power driver
- Ratchet or adjustable spanner
- Allen keys:
  - 2.5 mm hex bit to remove service cover
  - 8 mm socket for radiator removal and service hatch removal
  - 10 mm socket for earthing strap removal
  - 16 mm socket for removal of shipping baseplate bolt

Transporting

The CPE200 is enclosed in a cardboard crate with foam packing.

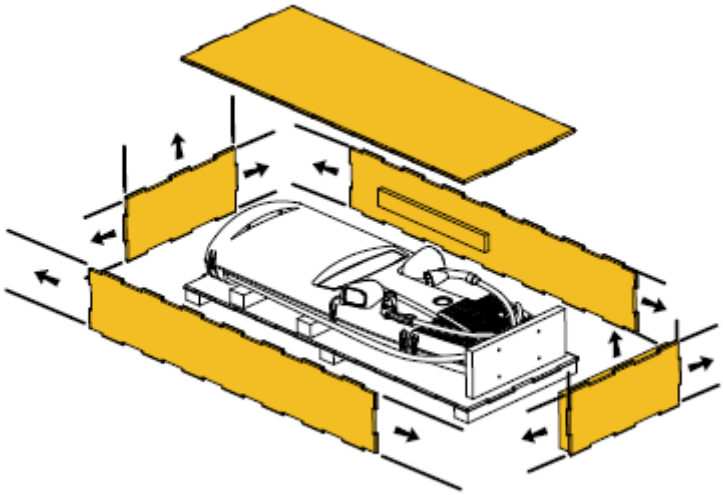
1. Loop the lifting straps of the CPE200 onto the appropriate lifting equipment (forklift or crane).
2. Lift and transport the crate horizontally.
3. Position the crate with the bottom of the CPE200 as close to the installation pad as possible.

Inspecting

Inspect the crate and ensure that it's in good condition and that no visual damage is detected. If damage is evident, make a formal complaint to the transporter and notify ChargePoint on 1-877-850-4562.

Removing the packaging

You can remove the foam packing when no damage is found.



1. Maintain horizontal position.

2. Slide out all crate tubes to disassemble the cardboard crate.

Verifying contents

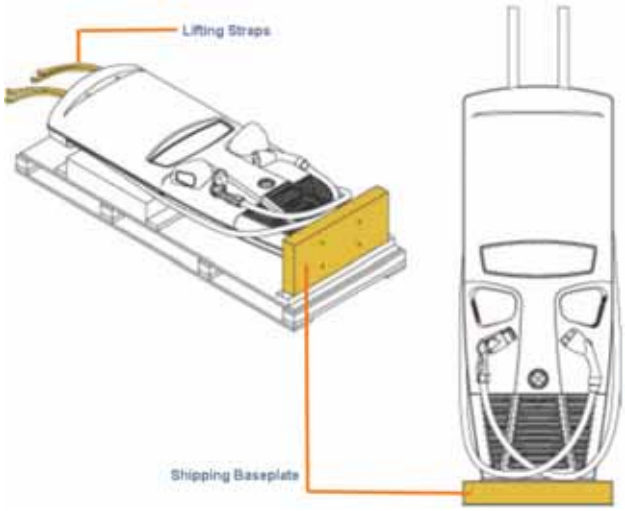
In addition to the CPE200, the following tools and materials are included:

+ 1 x 5 mm tamper-resistant pin hex tool
+ 1 x 2.5 mm hex “L” wrench
+ Lifting straps
+ Conduit kit
  - 2 conduit fittings: 40 mm flexible conduit or Flexa system:
    - Flexa PN 0237.202.036 conduit
    - Flexa PN 5021.037.250 conduit fitting
    - Flexa PN 0333.000.040 sealing washer
    - Flexa PN 0561.00.040 locking ring
  - Conduit seal
  - M40 cable gland
+ 2 ferrite rings: black and grey
+ Installation guide
+ Activation label

Positioning vertically

Caution

The CPE200 must be strapped to the lifting equipment until the mounting bolts are installed.



1. Attach the lifting straps to the forklift or crane.

2. Raise to standing position and set on the baseplate.

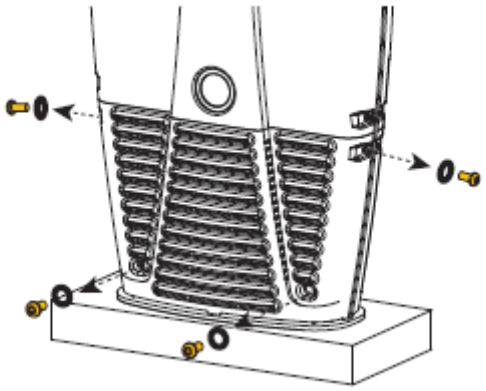
3. Remove all wrapping, except from the charging connectors.

Note

Make sure you allow enough space for the CPE200.
It is 2 metres high, including the shipping baseplate.

Removing radiator panels

With the CPE200 in the vertical position:



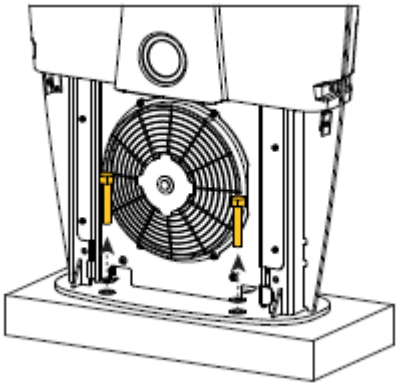
1. Use the 5 mm pin hex tool to unfasten screws and washers.

2. Pull radiator panels away.

Removing shipping bolts

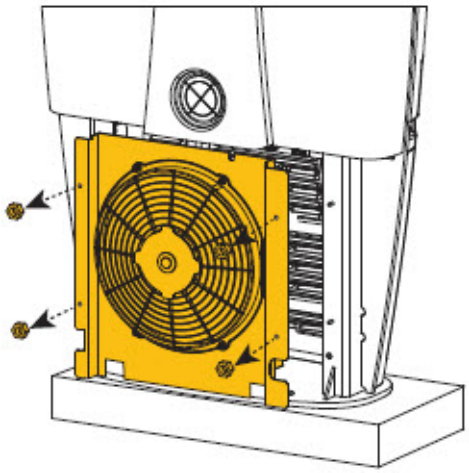
1. Use the socket tool to unscrew the nuts from the shipping base.

2. Remove radiator if necessary to create more space.



Removing the radiator

1.



1a. Use the 8 mm socket to remove the radiator.

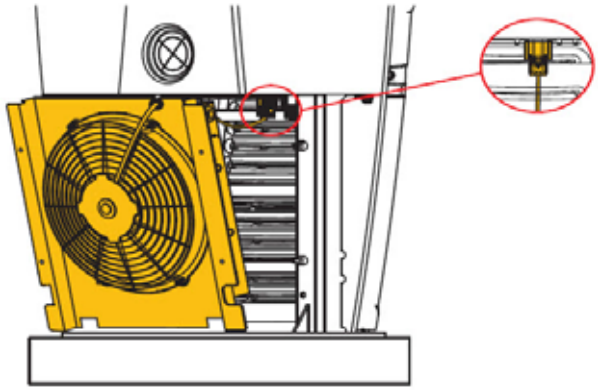
1b. Pull radiators off the fastener and sit the radiator on the baseplate.

2. Unclip the two quick release parts. One is behind the radiator, the other is on the left side with the expansion bag.

Note

Do not twist or pull on the tubing. Pull the metal sleeve back to disconnect.

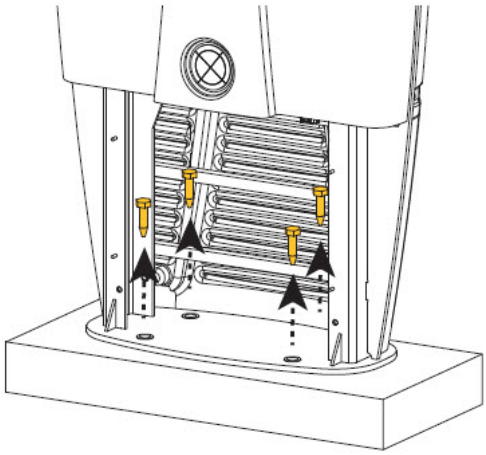
3. Store the radiator in a safe place ensuring no damage to cooling hoses for later reassembly.
4.



2a. Press the front clip to release the connector.

2b. Pull it down to disconnect the fan connector from the station.

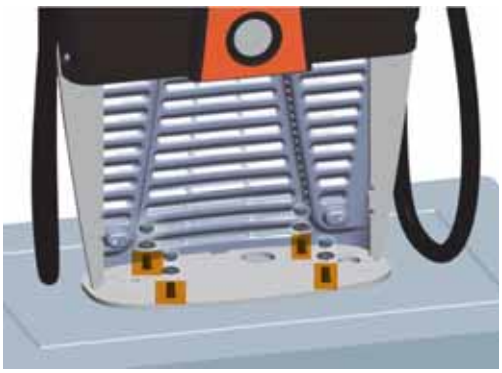
Removing the baseplate



Unfasten the four bolts to remove the CPE200 from its shipping baseplate.

Securing to the pad

1. Ensure that the concrete is completely dry.
2. Lift the CPE200 by the lifting straps and slowly lower it onto the prepared concrete pad.
3.

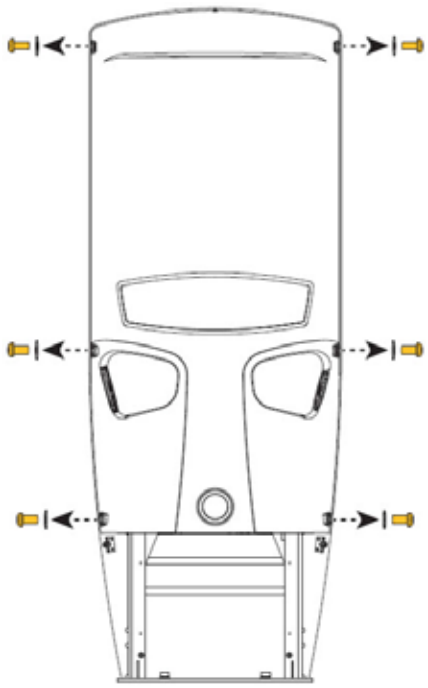


3a. Fasten the CPE200 to the bolts in the concrete pad using four washers and four 16 mm nuts.

3b. Tighten the nuts to 135 Nm.

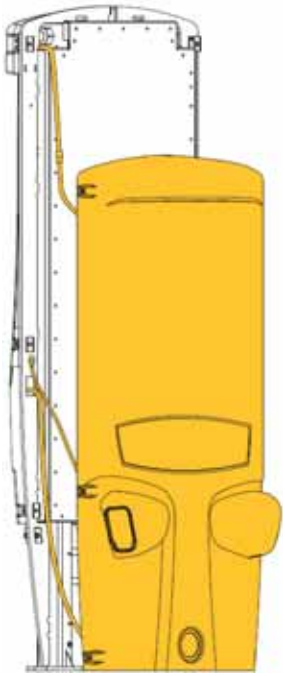
Removing the panel

1.



Remove the 6 security screws using the 5 mm pin hex tool.

2.

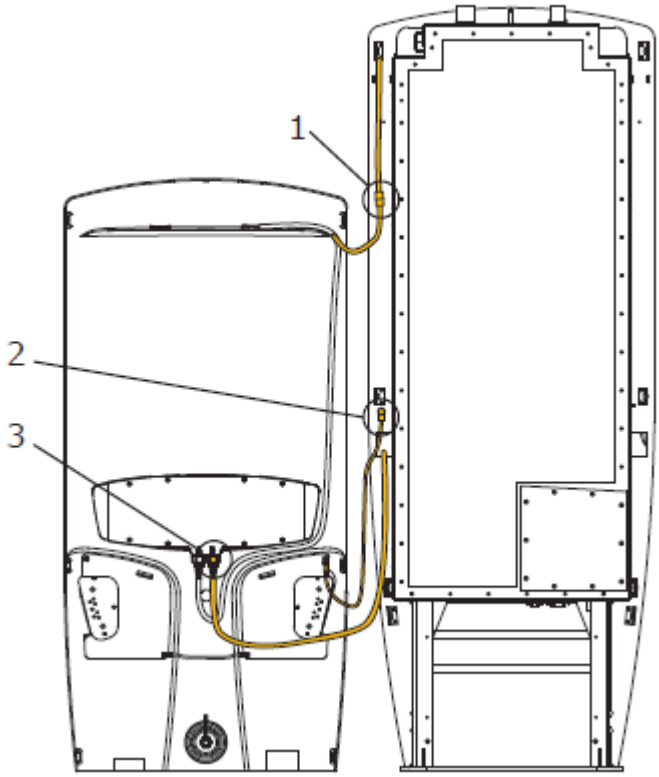


2a. Lift the panel up to release from the top hook. It is connected to the enclosure with wiring and earthing straps on the front and left-hand side.

2b. Rest the panel against the unit.

Disconnecting the panel

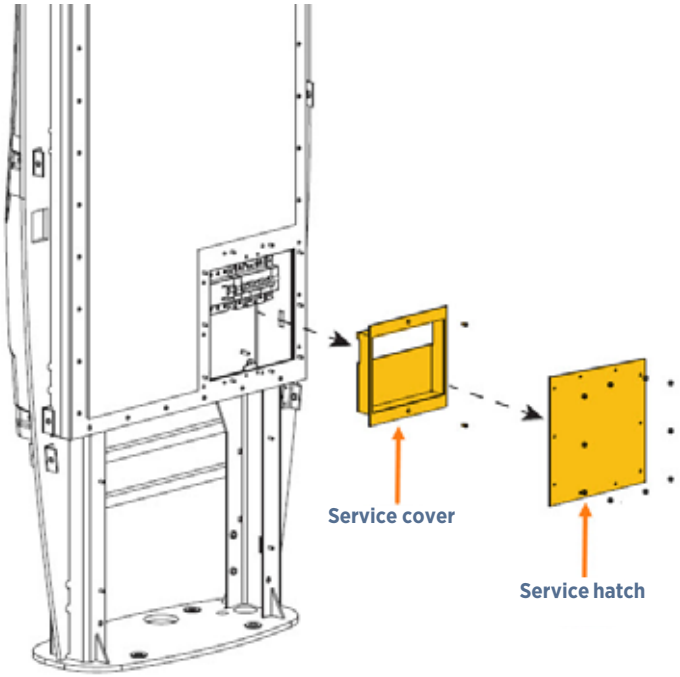
You need to disconnect three individual points:



1. Squeeze the connector to disconnect the wiring to the top panel.
2. Using the 10 mm socket, unscrew the nut on the metalwork to remove the nut, earthing strap and washers.
3. Using your fingers, squeeze the front and rear of connector ‘B’ and pull it down.

Removing the service covers

Remove the service hatch and cover to prepare the CPE200 for wiring:



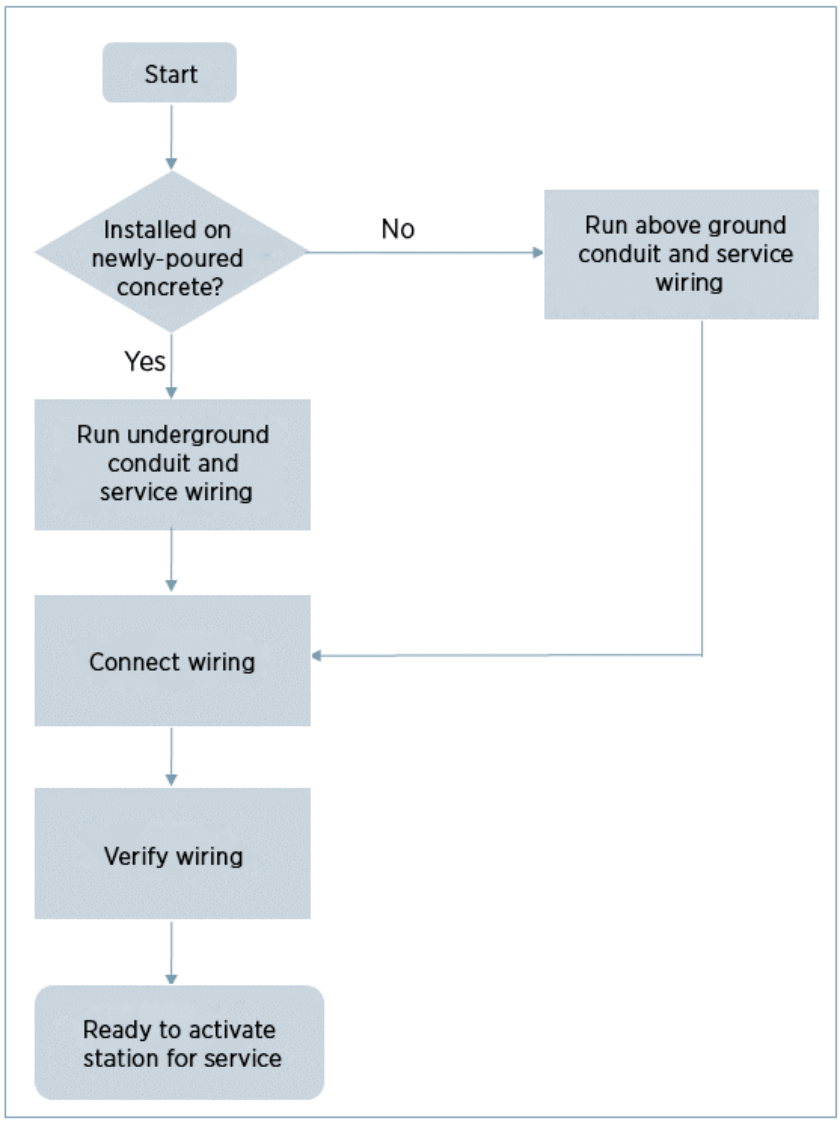
1. Use an 8 mm socket and 2.5 hex bits to remove the service cover and hatch.

2. Store the covers, service gasket and fasteners in a plastic bag to avoid damage.

You are now ready to connect power to the CPE200; see the Wiring chapter.

Wiring 5

After the CPE200 is properly mounted, you can connect power to it. The following diagram shows the process flow for connecting the power supply of the CPE200.



Caution
The CPE200 must be installed and serviced only by qualified electrical personnel.

Running conduit and wiring

The wiring can be done above or under ground depending on the type of foundation.

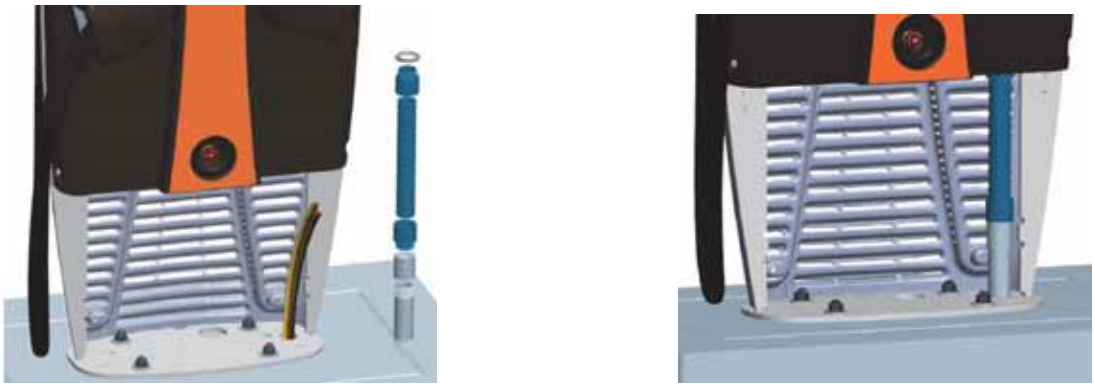
+ Underground wiring is used for all newly poured and prepared concrete pads; see Underground wiring.
+ Above-ground wiring is used only when it is impossible to run conduit underground, such as in a parking garage or similar structure.

Underground wiring

Note
Please refer to "Installing the CPE200 Adapter" for additional wiring steps.

1. Remove the M40 blanking plug and IEC cable wiring from the switch gear. See *Figure 1* and follow these steps:

Figure 1 Underground service wiring



2. Assemble the supplied 155 mm conduit nipple, coupling and flex adapter, and apply silicone sealant to all threaded connections.
3. Install the conduit nipple into the embedded coupling and apply sealant to the threads.
4. Pull the wires from the service disconnect into the service hatch. Run at least 300 mm of wiring into the interior.
5. Assemble the flexible conduit and remaining flex adapter and attach it to the hole in the service hatch.

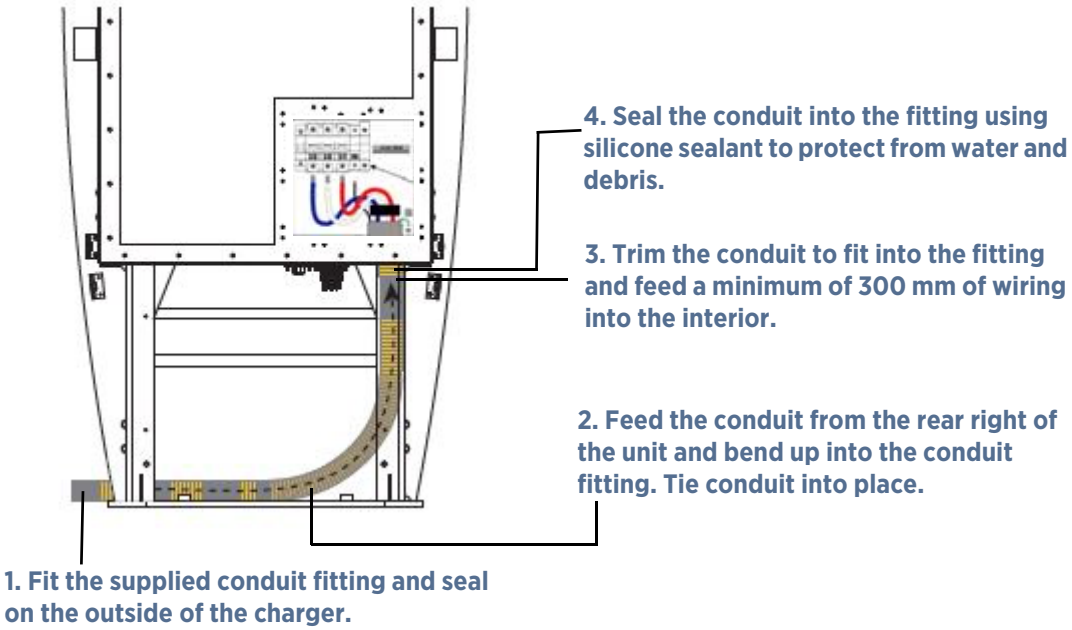
You are now ready to connect the wiring.

Above-ground wiring

When the CPE200 is mounted on an existing concrete surface, such as a parking garage or similar structure, running the service wiring above ground is a viable option.

See *Figure 2* and follow these steps:

Figure 2 Above-ground service wiring



You are now ready to connect the wiring.

Connecting the wiring

See *Figure 3* and follow these steps:

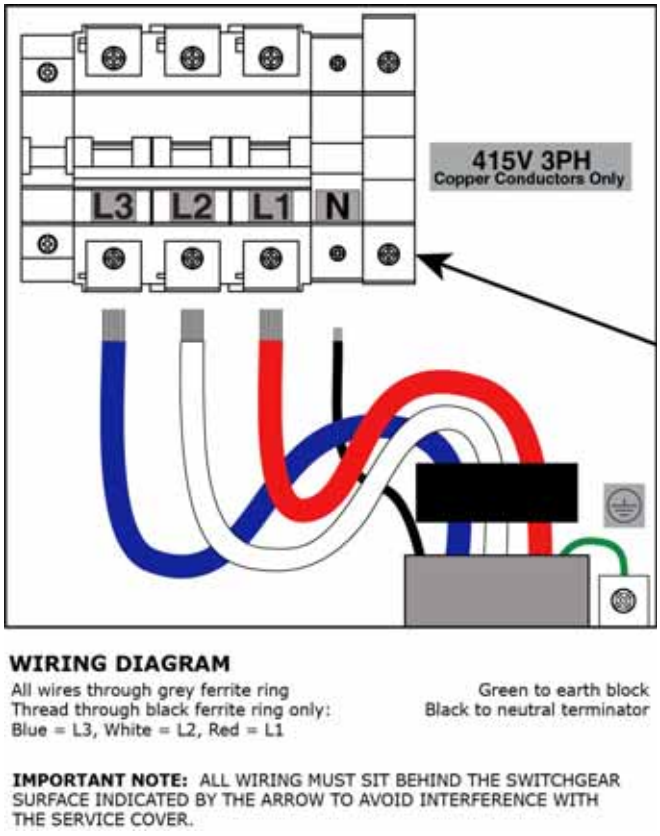
Important

Use 5.5 mm^2 90°C copper wire for the 400 V 3-phase wiring between the disconnect and the terminal block.

Keep only a minimum length of wiring inside the terminal block area. Position all wires behind the lower face of the circuit breaker or it will interfere when reattaching the service cover.

Contact your supplier to run through the diagnostic testing to commission the unit.

Figure 3 Wiring diagram



1. Connect the ground wire to the ground terminal.
2. Ensure there is no stress on the wires.
3. Torque to 4.0 Nm.

Verifying wiring

1. Check to ensure that all electrical connections are clean and tight.
2. Check to ensure that the electrical enclosures are clean and free of wire strands and metal shavings.
3. Ensure that voltages into the disconnect switch have been verified by a qualified electrician.

You are now ready to reassemble the CPE200 for operation; see the Reassembling chapter.

Reassembling 6

After the completion of wiring and connection, you can now reassemble the CPE200 for operation.

Perform the following tasks sequentially:

- Removing the straps
- Reattaching the covers
- Re-attaching the radiator
- Attaching the panels
- Re-attaching the panel wiring

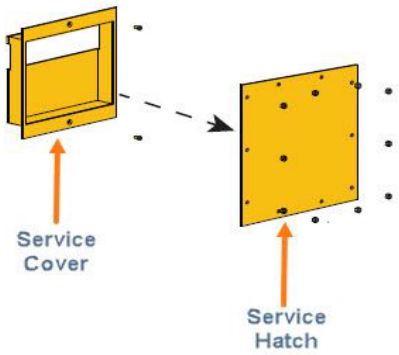
Removing the straps

Remove the lifting straps by pulling them from the top of the CPE200. It is not necessary to remove the top cover.

Reattaching the covers

See *Figure 1* to attach the service and hatch covers:

Figure 1 Attaching service and hatch covers



1. Place the service cover over the switch gear and ensure it sits flush with the metal panel. Ensure the wiring is positioned behind the lower face of the switch gear.

2. Use the 2.5 mm hex bit to fasten the cover.

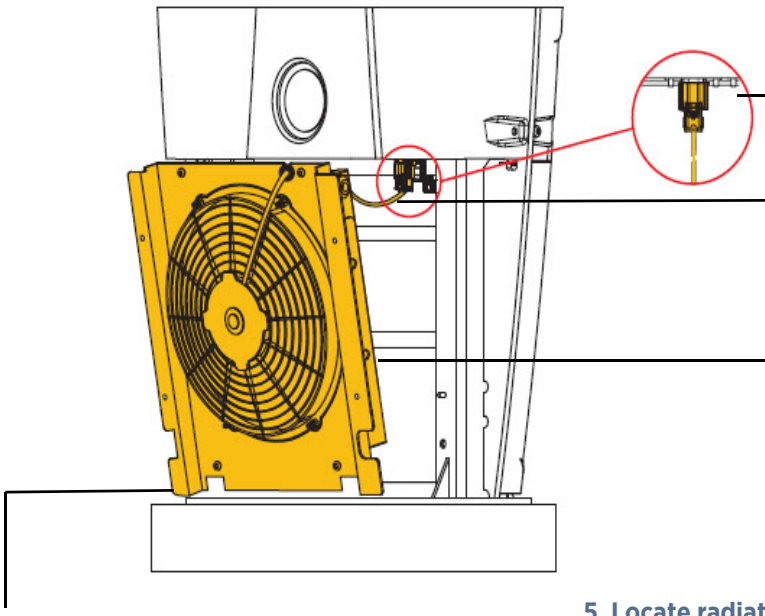
3. Ensure that the gasket is undamaged and unsoiled.

4. Torque to 2.0 Nm.

Re-attaching the radiator

See *Figure 2* and to reattach the radiator:

Figure 2 Re-attaching the radiator



2. Reconnect the four-way connector.

3. Ensure that the cooling hoses are sitting away from the radiator.

4. Reconnect the cooling hoses by pressing the metal parts together.

1. Holding the fan at an angle, rest it on the baseplate while reconnecting its power connector.

5. Locate radiator onto the fixing studs.

6. Use an 8 mm socket to fasten the radiator with the supplied nuts.

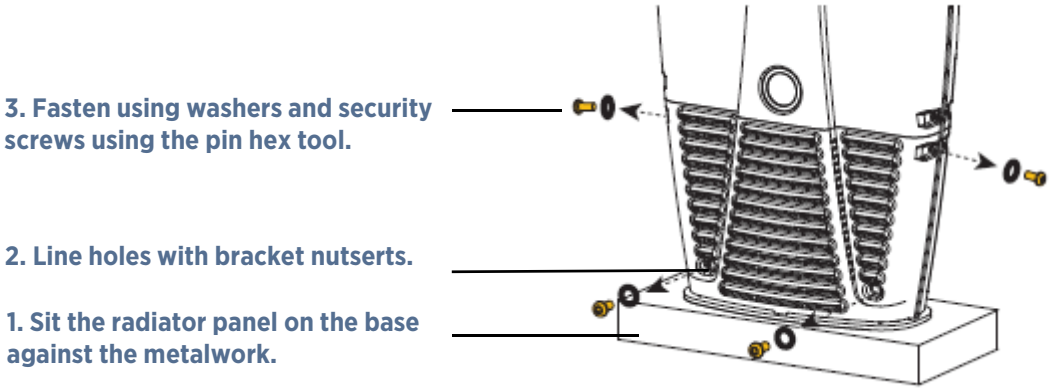
7. Use an 8 mm socket to fasten the radiator with the supplied nuts.

Attaching the panels

If the power is above ground, the rear radiator panel provides the exit point for the conduit.

See *Figure 3* to attach the front and rear panel:

Figure 3 Attaching the front and rear panels



Note

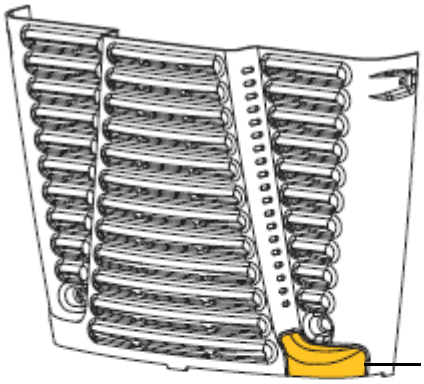
This procedure is required **only for above-ground conduit installation**. Skip this procedure for below-ground wiring.

See *Figure 4* to complete conduit access:

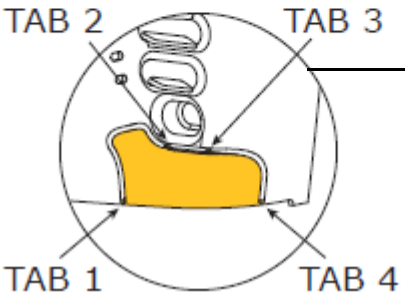
Figure 4 Ensuring conduit access

2. Replace the rear radiator panel.

3. Ensure that the conduit fits securely in the exit area.



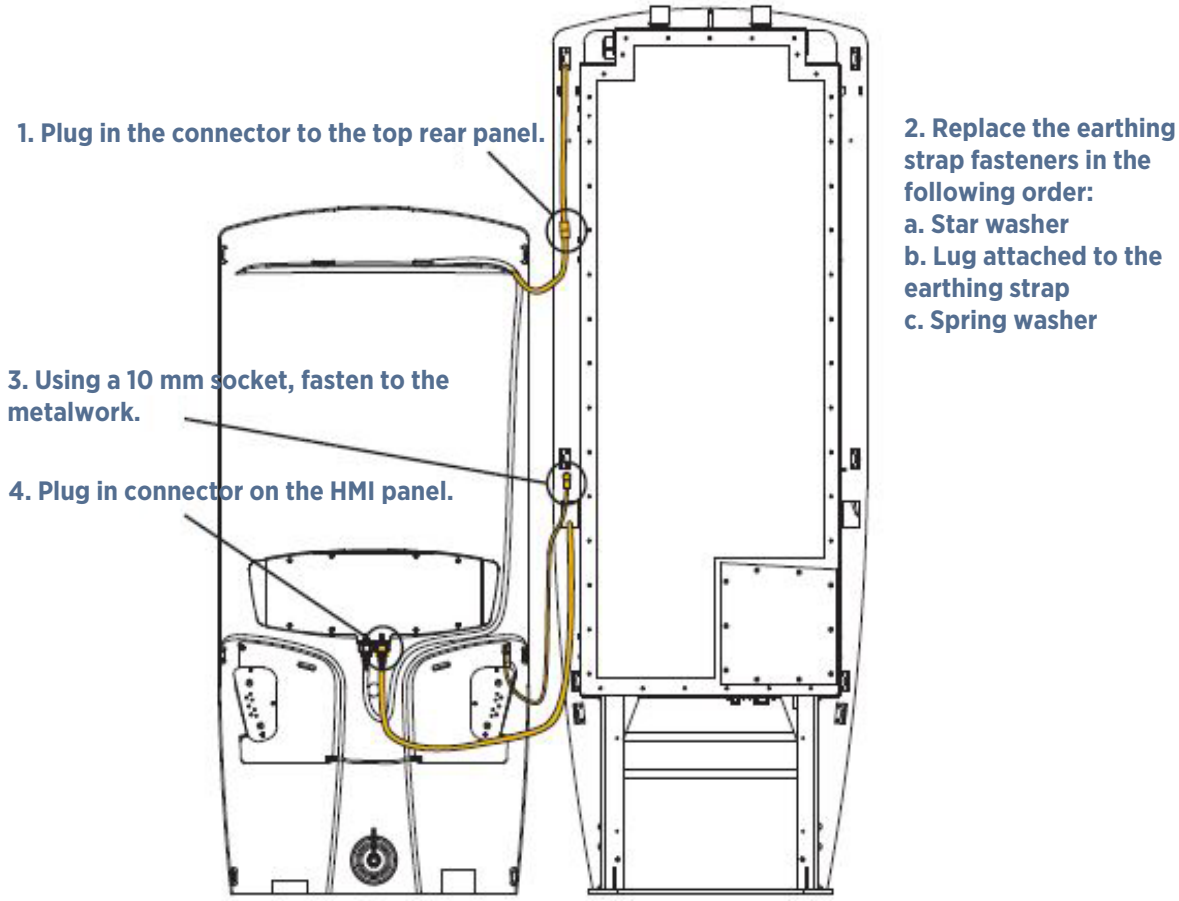
1. Cut the four tabs on the lower right hand of the panel.



Re-attaching the panel wiring

See *Figure 5* and follow these steps:

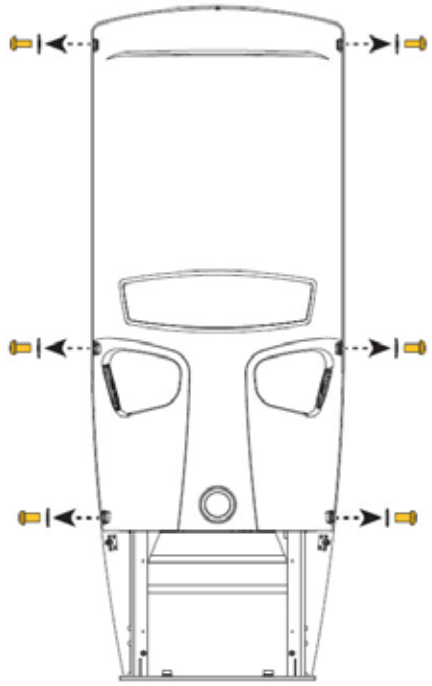
Figure 5 Completing front panel wiring



Attaching the panel

See *Figure 6* and follow these steps:

Figure 6 Front panel fastener locations



1. Place the front panel on the top hook ensuring the panel sits outside the fastening brackets and onto the top hook.

2. Rest the panel on the hook to ensure that the top hook is engaged.

3. Using the 5 mm pin hex tool, attach the 6 security screws and washers on the front panel. Do not over-tighten.

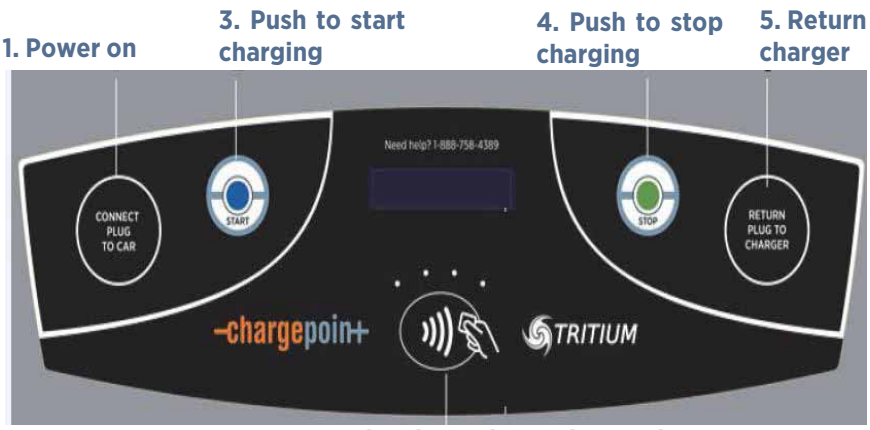
Wipe all surfaces with a soft cloth dampened with warm water.

Verifying connectivity 7

Before activating the CPE200 for operation, it's good practice to verify that all electrical components are properly connected and that power is running on the CPE200.

Note
You will need a vehicle to test the charging process.

Dashboard functionality



When you verify the power connections, note the following:

- When you power on, each icon lights up sequentially. The startup process takes approximately 5 minutes and is complete when the icons stop flashing and **Connect Plug to Car** (1) flashes.
- The **Return Plug to Charger** icon (5) flashes indicating that the charging session is complete and the plug should be returned to the plug holder.

+ The CPE200 is now ready for activation; see the Activating chapter.
+ If the CPE200 does not power up as described, see the Wiring chapter to confirm that the wiring has been properly connected.
+ Contact ChargePoint on +44 (20) 3219 6525 if the CPE200 is wired properly.

Activating 8

Before completing the installation of the CPE200 station and leaving the installation site, you must prepare the station for activation, which includes the following tasks:

+ Pinpointing
+ Completing the post-installation checklist

Pinpointing

To activate the CPE200 and allow drivers to find the station on the ChargePoint map, you must "pinpoint" the exact location (to the parking space) where the CPE200 is physically installed.

1. Using your smartphone, navigate to http://eu.chargepoint.com.
2. Log in with your installer credentials.

3. Enter the MAC address and activation password printed on the CPE200's activation label.

   You can find the activation sticker behind the plastic protection cover on the interface panel.

4. Confirm that you are installing a new CPE200.
5. When prompted, touch **OK** to share your GPS location data with the ChargePoint mobile site.
6. When prompted, touch **OK** to review the station's location on Google™ Maps.
7. Review the station address and zoom in to review the initial position of the station's pin on the map.
8. Using your finger, move the pin to the correct parking spot location.
9. If necessary, manually adjust the address and location of the CPE200.
10. Take a picture of the station using your smartphone, then scroll down to **Upload a Station Picture** and choose the station picture.
11. Add helpful information for drivers, such as 'Upstairs in car park' or 'By west entrance'.
12. Touch **SUBMIT** to pinpoint the CPE200 on the ChargePoint map.

Completing the post-installation checklist

Before leaving the installation site, complete this checklist for the CPE200. Then tear out this page and give it to the person responsible for activating the station. Complete one for each station on site.

Post-installation checklist

Before leaving the installation site, complete this checklist for the CPE200-UK.
Then tear out this page and give it to the person responsible for activating the station.

Customer:

Name_____

Site Address_____

Contact _____

Installer:

Company _____

Address_____

Phone_____

Installer_____

Contact_____

- ☐ All electrical connections are clean and tight. The electrical enclosures are clean and free of wire strands and metal shavings.
- ☐ The disconnect switch has a padlock to prevent unauthorized entry into the wiring area. No lock is permitted on the operating lever.
- ☐ All covers have been replaced and all fasteners are properly tightened.
- ☐ All steps of the Installation Wizard have been completed.
- ☐ Station shows cellular signal strength on the display of at least 3 bars.
- ☐ Parking area is clean and free of all crate fasteners, packaging, and debris.
- ☐ All steps of the mobile pin pointing have been completed and that the station is currently showing the following message “Available Tap card to Start”
- ☐ The spare activation label is attached below.

SAVE THESE IMPORTANT SAFETY INSTRUCTIONS

This manual contains important instructions that must be followed during installation of a ChargePoint® DC Fast Charging Station.

Grounding instructions

The ChargePoint® Charging Station must be connected to a grounded, metal, permanent wiring system; or an equipment-grounding conductor is to 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.

Safety and compliance

This document provides instructions to install the ChargePoint® Charging Station and should not be used for any other product. Before installing the ChargePoint® Charging Station, you should review this manual carefully and consult with a licensed contractor, licensed electrician and trained installation expert to ensure compliance with local building practices, climate conditions, safety standards, and all applicable codes and ordinances.

The ChargePoint® Charging Station should be installed only by a licensed contractor and a licensed electrician and in accordance with all local and national codes and standards. The ChargePoint® Charging Station should be inspected by a qualified installer prior to the initial use. Under no circumstances will compliance with the information in this manual relieve the user of his/her responsibility to comply with all applicable codes or safety standards. This document describes the most commonly-used installation and mounting scenarios. If situations arise in which it is not possible to perform an installation following the procedures provided in this document, contact ChargePoint, Inc. ChargePoint, Inc. is not responsible for any damages that may occur resulting from custom installations that are not described in this document.

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