

CT202X ChargePoint® Charging Station Removing and Installing Cable and Head Assemblies

Follow the instructions in this document to remove or install a CT202X's cable assembly or head assembly. This document summarizes the steps needed to:

- CT2025 ONLY - Remove access panel (page 1)
- Remove head assembly (page 2)
- Remove cable assemblies (page 2)
- Install cable assembly 2 (page 2)
- Install cable assembly 1 (page 3)
- Install head assembly (page 3)
- Verify that the station operates correctly (page 4)
- Secure the station (page 4)
- Arrange for station provisioning (page 4)

For detailed instructions, refer to the CT2021 or CT2025 Installation Guide. These guides are included in the shipping box containing the station's main body assembly. They are also available at www.coulombtech.com/library.php.

NOTE: Throughout this document, the CT2021 is used for illustration purposes. Unless otherwise noted, the same steps apply to the CT2025.

You will need

- T25 Torx Driver
- Straight screwdriver



IMPORTANT - BEFORE YOU BEGIN

Remove the charging cables from their holsters by scanning a valid and authorized ChargePass card. If the holsters do not unlock after scanning a valid card, contact Coulomb Customer Support at 1-877-850-4562.

AFTER removing the charging cables, TURN OFF power at the breaker panel.

CT2025 ONLY - Remove access panel

1. Remove the access panel's cover plate by wedging a small straight screwdriver (or strong knife blade) into the EXACT center location between the top of the access panel and the top front panel. To determine the exact center location, it is helpful to count the number of grooves in the panel.

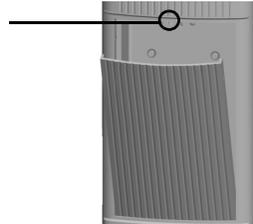
After determining the location and inserting the screwdriver, pry the cover plate towards you until it snaps out of place. While prying with one hand, use your other hand to support the cover panel to prevent it from falling when it releases.

2. Using a T25 Torx driver, turn the four screws inside the access panel counter-clockwise to position its rear brackets vertically.

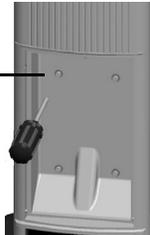
NOTE: The screws need to be turned counter-clockwise only a half to a full turn to turn the rear brackets to their vertical position. Corresponding stops prevent the brackets from turning further.

3. Remove the access panel from its opening (bottom first).

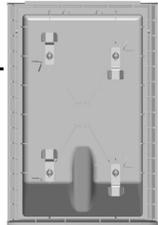
Wedge a small straight screwdriver into the horizontal center point between the access panel and the top front panel



Turn all four screws counter-clockwise



Rear view of panel

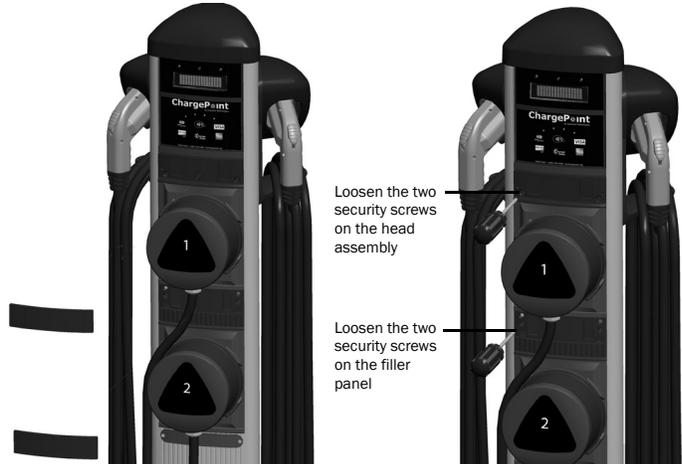


Remove head assembly

1. Disconnect the two cables from the top of the head assembly (CT2025 only).
2. Insert a straight screwdriver into the center of the bottom edge of the front panel (located at the bottom of the head assembly), then pry the front panel towards you until it snaps out of place.



CLOSE-UP VIEW OF THE BACK OF THE FRONT PANEL - Note that there is a notched area in the exact center of the bottom. To remove, you must wedge a screwdriver into this notched area.



3. Repeat the above step for the second front panel, located between the cable assemblies.
4. Using a T25 Torx driver, loosen the two captive security screws located at the bottom of the head assembly
5. Disconnect the wiring by sliding the head assembly upwards far enough to access the connectors, then disconnect the two rectangular connectors, the two circular connectors (by rotating the outer ring counter-clockwise), and the ground wire.
6. Slide the head assembly upwards to remove.

Remove cable assemblies

1. Disconnect cable assembly 1's rectangular connector and ground wire from the terminal block, then slide cable assembly 1 upwards to remove.
2. Loosen the two captive screws on the filler panel located between the two cable assemblies, then slide upwards to remove.
3. Disconnect cable assembly 2's rectangular connector, circular connector (by rotating the outer ring counter-clockwise), and ground wire. Then slide upwards to remove.

Install cable assembly 2



IMPORTANT! You must install cable assembly 2 on the bottom and cable assembly 1 on top.

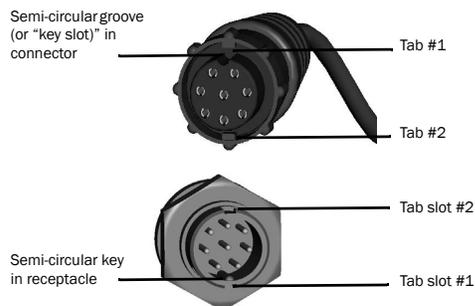
1. Slide cable assembly 2 into the body all the way until it is flush with the top of the front panel.



IMPORTANT! When sliding the cable assembly into the body, ensure that the serial cable doesn't get caught between the cable assembly and the terminal block. Also ensure there is NO gap between the cable assembly and the top of the front panel. The cable assembly fits tightly and may require extra downward force to ensure it is fully seated.

2. Plug the cable assembly's rectangular connector into the terminal block, ensuring it is fully seated.
3. Connect the circular connector that hangs down from the topmost terminal block to the top of the cable assembly, as follows:

- Using the white arrow as a guide, align the circular connector so that:
 - the key slot in the connector matches up with the key in the receptacle AND
 - the tabs on the connector match up with the tab slots on the receptacle
- Insert the connector until fully seated (do not use excessive force).
- Rotate connector's outer ring in a clockwise direction until snug.



4. Connect the ground wires to the ground tabs on the cable assembly.



IMPORTANT! DO NOT insert the charging connector into the holster until after you power up the charging station. If you insert the connector before the station has powered up, the holster will not unlock!



NOTE: On the CT2025, insert the cable assembly into the main body's access panel opening, then slide down.

