

CS-100 overlay replacement instructions

This document provides instructions on how to replace the pre-installed front overlay of the Enphase CS-100 with a spare front overlay.

Tools needed

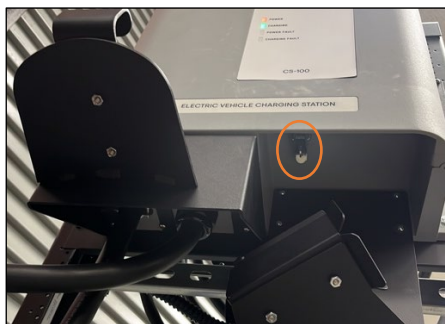
- Number T15 Torx screwdriver
- Isopropyl alcohol
- Lint-free cloth
- Straight-bladed tool (e.g., panel removal tool, standard head screwdriver, or a pocketknife)

Instructions

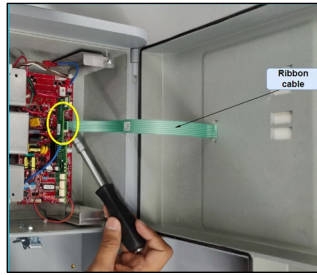
1. Turn off the power.
 - a. Before starting the work, turn off the circuit breaker to ensure no power flows into the EVSE.
2. Access the enclosure.
 - a. Use a T15 Torx screwdriver to remove the two machine screws from the left side of the enclosure.



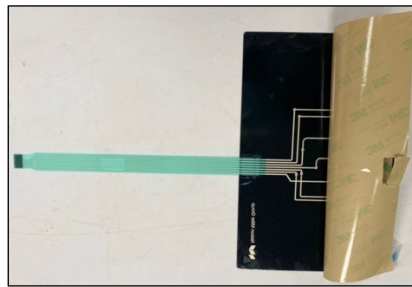
- b. Locate the hidden latch on the underside of the enclosure, inside the connector compartment. Unlatch it to access the internal components.



- c. Open the front door of the CS-100 enclosure.
3. Disconnect the COSMOS ribbon cable.
 - a. Remove the ribbon cable from the COSMOS board. This cable connects the front overlay to the internal electronics.



4. Peel off the existing front overlay.
 - a. Slowly peel the existing front overlay adhesive off the plastic surface using the straight-bladed tool.
 - b. Start by peeling the two left corners, freeing the left edge, and then remove the overlay sticker from the enclosure.
5. Clean the surface.
 - a. Wipe the surface area with isopropyl alcohol and dry with a lint-free cloth to remove any excess adhesive.
6. Install the new front overlay.
 - a. Partially peel the 3M paper from the edge closer to the ribbon cable, stopping around the middle of the overlay. Leave the other side paper in place and cover the adhesive towards the surface behind the LED lights.



- b. Feed the exposed ribbon cable through the hole in the enclosure.
- c. Align the overlay's covered left side (LED side) with the indentation on the front of the enclosure.



- d. Once straight, slowly lower the right side (cable side) and ensure the ribbon cable feeds through the hole as you go. Ensure that the left side is aligned and straight.
 - e. Once the right side adhesive touches the enclosure, verify the alignment and firmly press down.
 - f. While holding the right side down, gently lift the left side and grab the 3M paper that was folded back. Slowly pull the paper out as you press down from right to left.
 - g. Open the front door and connect the ribbon cable's end to the COSMOS PCB.
7. Ensure proper attachment.
 - a. Check for air bubbles or contortions while attaching the overlay.
 - b. Run fingers around the edge to ensure the enclosure has a snug fit in the cutout.

Revision history

Revision	Date	Description
TEB-00151-1.0	March 2024	Initial release.