

# Codonics SLS 500i CMOS Battery Replacement

**Technical Brief**

## Overview

This document describes the process for replacing the CMOS battery in the Codonics Safe Label System 500i<sup>®</sup> Point of Care Station (PCS).

**WARNING:** Follow Electrostatic Discharge safety precautions to avoid damage to the system or any components.

To avoid the risk of electric shock and damage to the system components, shutdown the system and disconnect it from any external power source.

The following items are included in the spare part battery kit (SP-00766):

- ◆ 1 spare part battery
- ◆ 4 screw cover labels
- ◆ ESD wrist strap

The following tools are required to complete this service instruction:

- ◆ T10 Torx driver (torque driver recommended)

## System Preparation

1. If the SLS is not already shut down, press the soft shutdown button in the upper right corner of the screen. Follow the on-screen instructions to shut the unit down.
2. Wait for the prompt and turn off the power switch at the rear of the system.
3. Disconnect the power cord.

## ESD Precautions

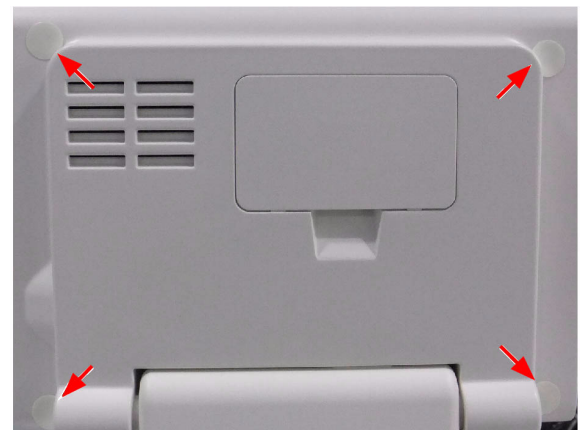
1. Unwrap 12" (30 cm) of the ESD wristband and wrap adhesive around your wrist.
2. Unroll the rest of the ESD wristband and remove liner from the copper face.
3. Attach the copper tape to the sheet metal of the display chassis after the touchscreen rear panel is removed.

## Removal of the CMOS battery

1. Open the touchscreen rear panel door and remove the Smart Drive from USB port 2.



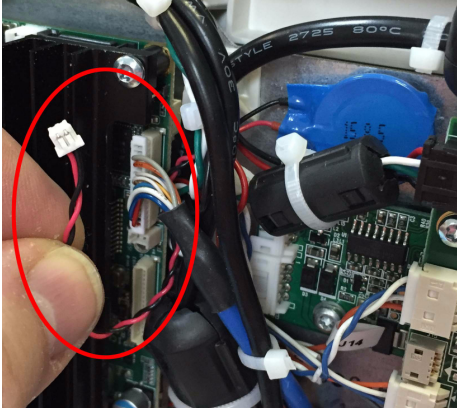
2. Remove and discard the four screw cover labels from the locations shown.



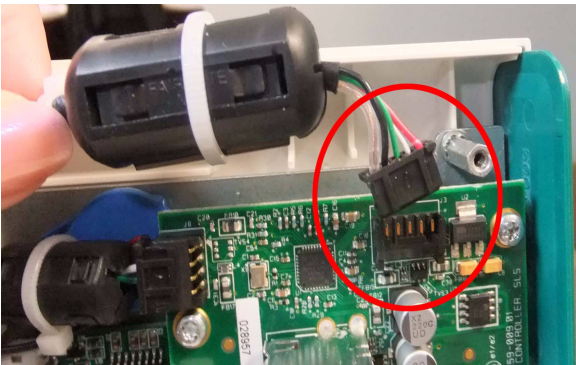
3. Using a T10 Torx driver remove the four screws securing the touchscreen rear panel and remove the panel.



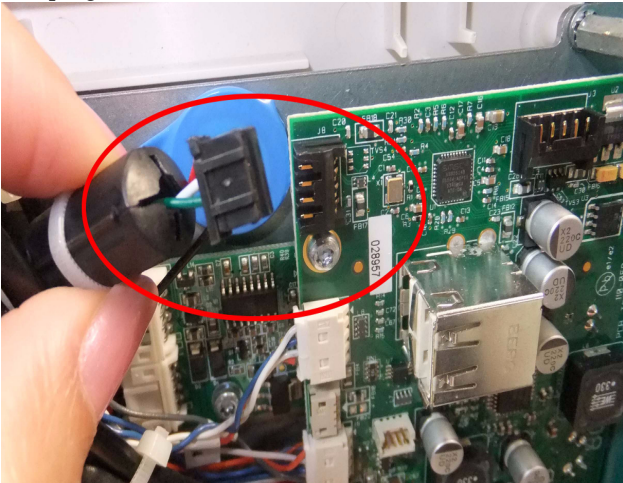
4. Unplug the battery cable from the motherboard as shown.



5. Unplug the Wi-Fi cable from the TCDIO board as shown.

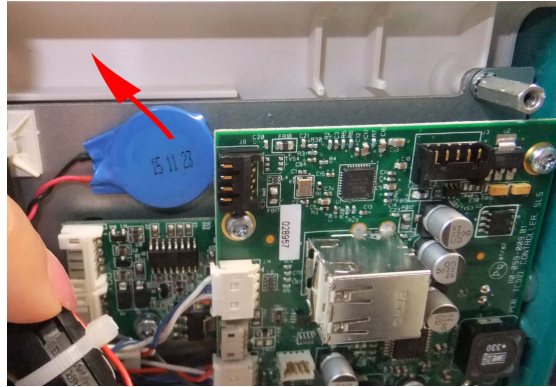


6. Unplug the USB cable from the TCDIO board as shown.



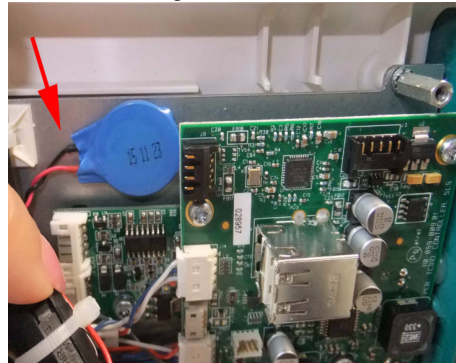
7. Remove the battery and tape from the display chassis.

**NOTE:** The battery is secured to the display chassis with double-sided tape.

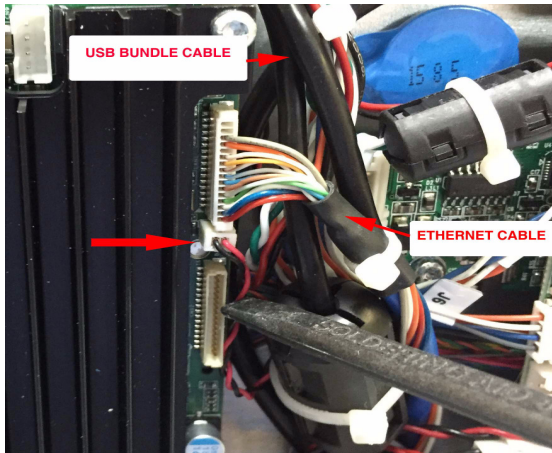


**NOTE:** Dispose of the old battery in accordance with local or state regulations for the disposal of batteries.

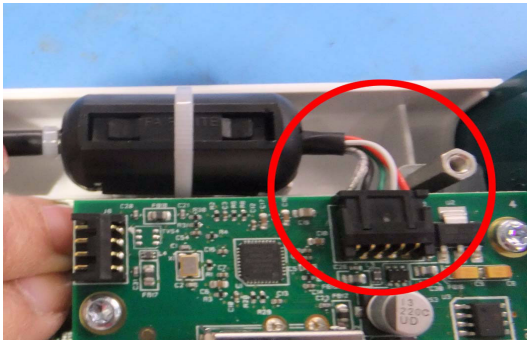
8. Remove the release liner from the back of the new battery and adhere it above the touchscreen controller PCA with the cable leads facing the cable tie mount as shown.



- Route the battery cable behind the USB bundle cable and under the Ethernet cable as shown. Plug the battery cable into the BAT connector on the motherboard with the red wire closest to the edge of the motherboard. Carefully tuck the battery cable behind the ferrite bead and other cables as shown.

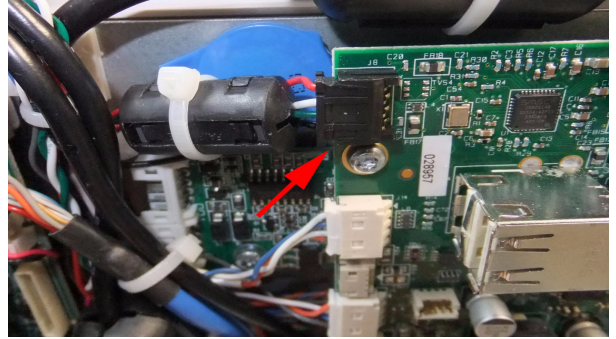


- Plug the Wi-Fi cable back into J3 connector on the TCDIO board as shown.



**NOTE:** Make sure the Wi-Fi cable seats in place. If seated improperly, the Wi-Fi will disconnect.

- Plug the USB cable back into J8 connector on the TDCIO board as shown.



- Reinstall the touchscreen rear panel using the four screws that were removed in step 3. Use the T10 Torx driver to tighten the screws to approximately 4 in-lbs.

**WARNING:** Do not overtighten the rear-display cover mounting screws.

- Replace the Smart Drive in USB port 2 and close the touchscreen rear panel door.

- Install the screw cover labels over the four screw holes.

**NOTE:** When turning on the system for the first time follow the on-screen instructions to reset the date and time.

### **Technical Support**

If problems occur during replacement of the CMOS battery, please contact Codonics Technical Support at any time.

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**800.444.1198**

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