

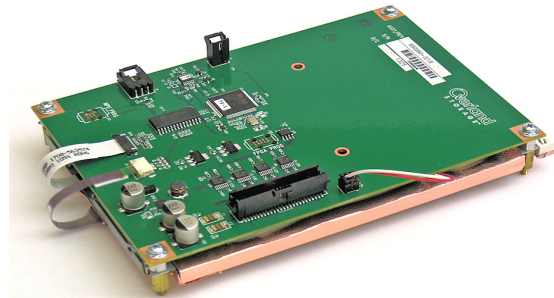
Spare Touchscreen Assembly Instructions

This document describes how to remove and replace the touchscreen assembly in a NEO 8000e or NEO 8000 tape library from Overland Storage.

WARNING: To reduce the risk of electric shock or damage to equipment, always remove any power cords while working with the unit.

AVERTISSEMENT: Pour réduire le risque de choc électrique ou endommagement de l'équipement, retirez toujours les cordons électriques en travaillant avec l'appareil.

CAUTION: While working with the unit, observe standard Electrostatic Discharge (ESD) precautions to prevent damage to micro-circuitry or static-sensitive devices.



Prepare the Unit

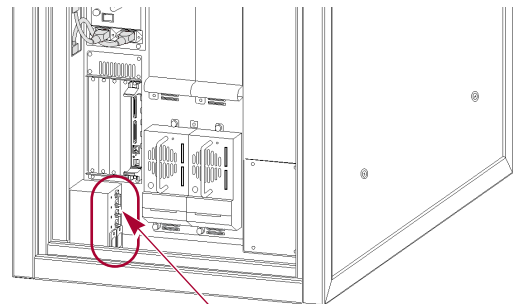
Power Off and Disconnect

1. On the front GUI panel, press **Power** to turn the library OFF.

The shuttle/track assembly moves to the library floor as the unit shuts down.

NOTE: If the library is non-functional, wait until the shuttle/track assembly finishes drifting to the bottom automatically.

2. At the rear, in the bottom left corner, turn OFF the **circuit breakers**.
3. Remove and retain all **power cords**.

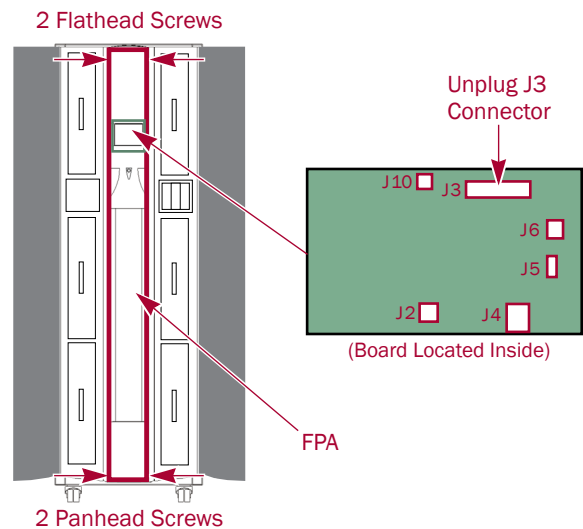


Circuit Breakers

Front Panel Assembly Removal

The Front Panel Assembly (FPA) is held in place with four screws. The two at the bottom are panhead screws and the two at the top are flathead.

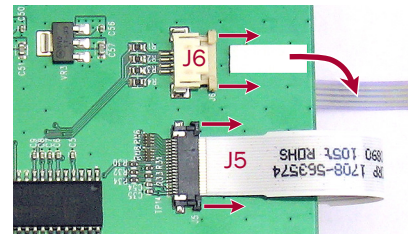
1. Open both front **doors**.
2. At the bottom on the **left** side of the FPA (in front of the bottom trim) remove the **bottom screw**.
3. Repeat **Step 2** for the right-side **bottom FPA screw**.
4. Also on the right, remove the **top FPA screw**.
5. While holding the FPA to prevent stress on the inside cables, carefully remove the left-side **top FPA screw**
6. Carefully move the FPA out and reach inside to disconnect the **J3 Connector** from the top of the old controller card.
7. Open the **retainer clamps** above the controller card to release the J3 cable from the FPA.
8. Carefully remove the **FPA** and set it on a secure surface.



Replace the Assembly

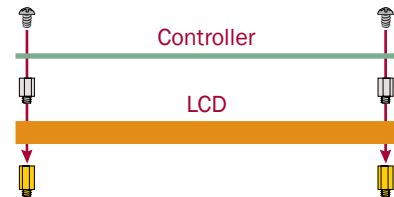
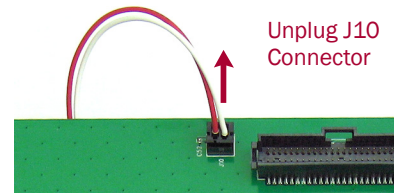
Remove Old Controller Card

1. Carefully release and remove the **J5 & J6 cables** from the right side of the controller card.
Release the locks by pulling the socket ears out.
2. Unplug the **J10 cable**.
3. Remove and retain the **four screws** at each corner holding the card to the LCD assembly.
4. Set the **controller card** assembly on a secure ESD surface.



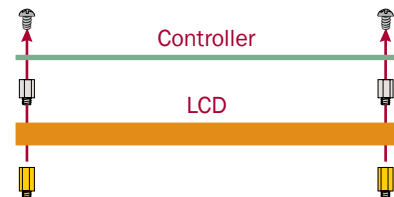
Remove Old LCD Assembly

1. Remove and retain the **four spacers** (silver) at each corner holding the LCD assembly to the front panel.
2. Set the **LCD assembly** on a secure ESD surface.
3. Remove and retain the **four remaining spacers** (bronze) from the FPA.
4. Using the retained spacers and screws, reassemble the **old touchscreen assembly** for return.



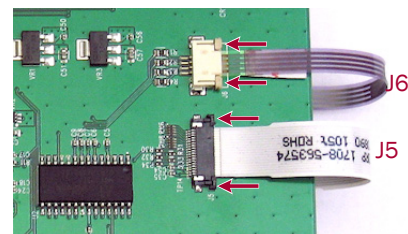
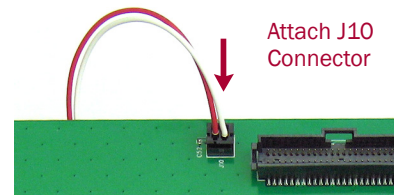
Prepare New Assembly

1. Unpack the **new assembly** and place it on the secure ESD surface.
2. Remove and retain the **four screws** at each corner holding the card to the LCD assembly.
3. Set the **controller card** aside on the ESD surface.
4. Remove and retain the **four spacers** (silver) at each corner of the LCD assembly from the bronze spacers.
5. Set **all parts** aside on the ESD surface.



Install New Assembly

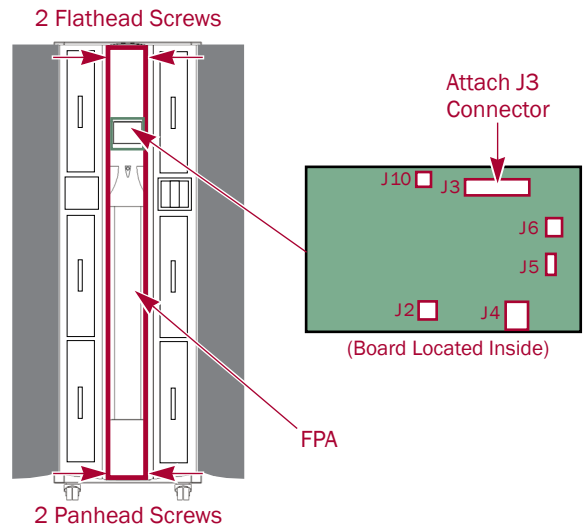
1. Install the **new bronze spacers** into the FPA.
2. Align the new **LCD assembly** over the spacers and secure it using the four new silver spacers.
3. Align the new **controller card** over the LCD spacers and secure it using the four new screws.
4. Attach the **J10 cable** to its socket at the top.
5. With the connectors unlocked, carefully insert and secure the **J5 & J6 cables** on the right side of the controller card.
6. Secure the **locks** by pushing the socket ears in.
7. Verify all cable **connections** are good.



Reassemble the Library

Reattach the FPA

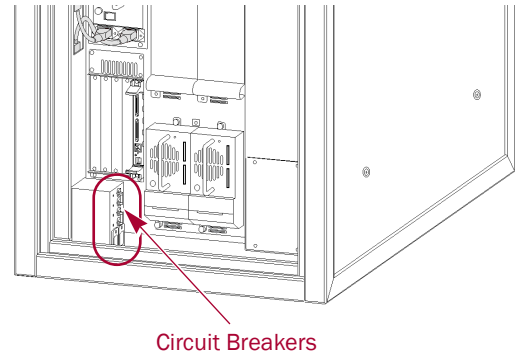
1. At the front of the library, position the **FPA** in front of the center opening.
2. Reach inside and reattach the **J3 cable** to the top of the controller card.
3. Close the **retainer clamps** over the J3 cable to secure it.
4. Move the J3 cable **behind** the BDA top tensioner to keep it out of the way of the robotics.
Check that the cable is flat against the FPA.
5. Position the FPA so that the **screw holes** are visible.
6. At the top of the FPA, reinstall the **two flathead screws**.
7. At the bottom of the FPA reinstall the **two panhead screws**.



Power On the Library

1. **Reattach** all the power cords.
2. Set the library circuit breakers to the **ON** (“|”) position.
The library automatically powers on and completes a POST.

The touchscreen should show the POST progress indicating it is fully functioning. If not, contact Overland Technical Support.



Return Old Parts to Overland

1. Place the **old part** in the anti-static bag and put it in the replacement part's box.
2. Use an RMA to return the part to **Overland Storage**.
For return shipping details and RMA number, go to:
<http://docs.overlandstorage.com/return-instructions>

