

# Spare Drive Power Board Instructions

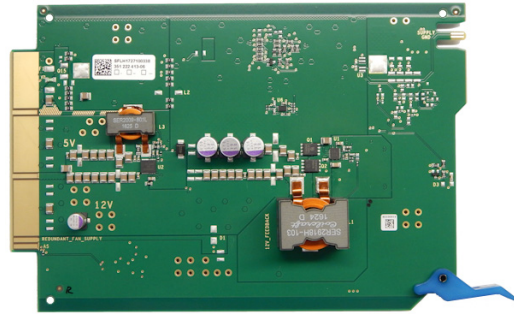
This document describes how to remove and replace a Drive Power Board in a NEOxl 40 (3U) tape library module from Overland Storage.

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

**WARNUNG:** Um das Risiko eines elektrischen Schlags oder Schäden am Gerät zu vermeiden, ziehen Sie stets den Netzstecker, bevor Sie an der Einheit arbeiten.

**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 library, observe standard Electrostatic Discharge (ESD) precautions to prevent damage to micro-circuitry or static-sensitive devices.



## Identify the Failed Component Module

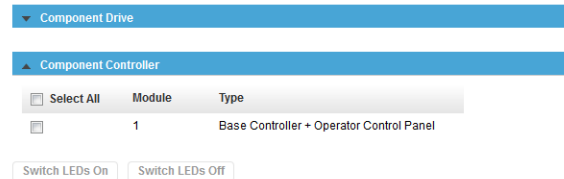
- Using the RMI, from the **Maintenance > UID LED Control** page, activate the Unit Identification (UID) LEDs to locate the library in the data center containing the failed component.

This will illuminate the blue LED on both the front and rear of the Base Module to identify the library containing the failed component.

- To identify the module within the library that contains the failed component, in the **upper left corner** of the Home screen, locate the module that indicates an error.

### Maintenance > UID LED Control

**NOTE:** UID LEDs are intended to assist users or service personnel in determining which component needs attention. This page allows you to control the UID LED for specific components.

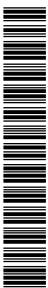


## Power Off Library

If still running, power off the library from the Base Module front panel by pressing and holding down the power button for three (3) seconds.

**NOTE:** If the library does not perform a soft shutdown, press and hold the power button for 10 seconds.

Verify that the Robotic Assembly is in its parked position and that all host processes are idle.



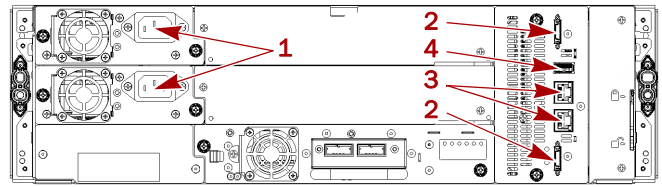
### Prepare to Remove Controller

Disconnect power cords and controller cables, noting where they connect.

1. If present, unplug any **AC power cords** (1).
2. Remove the **expansion interconnect cables** (2) from the module and any modules to which it is connected.

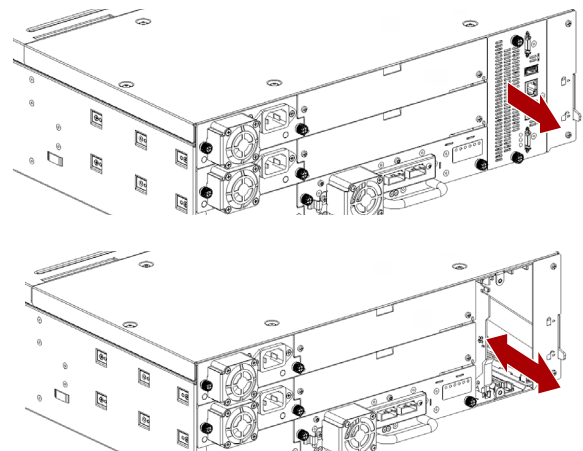
*NOTE: Completely removing the expansion interconnect cables from the modules prevents damaging the cables during module removal and replacement.*

3. For a Base Module, remove and label any **Ethernet management cables** (3).
4. For a Base Module, if present, remove the optional **USB device** (4).



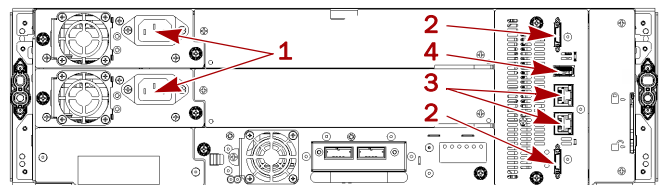
### Replace the Drive Power Board

1. Loosen the two **blue thumbscrews** on the controller.
2. Using the thumbscrews, slowly remove the **controller** from the module and set it aside.
3. Push down the **board latch** to release it.
4. Slowly slide the **old board** out of the module.
5. Slide the **new board** in until seated firmly.
6. Push the **board latch** up until it snaps into place.
7. Position the **controller** on the alignment rails and slide it in until it is flush with the back panel of the module.
8. Tighten the **blue thumbscrews** with your fingers to secure the controller to the module.



### Reattach Cables and Cords

1. If used, reconnect the **expansion interconnect cables** (2) from the module to any adjacent modules.
2. If used, reconnect all **Ethernet management cables** (3).
3. If removed earlier from a Base Module, reinsert the **USB device** (4).
4. If power supplies are installed, reconnect any **AC power cords** (1).

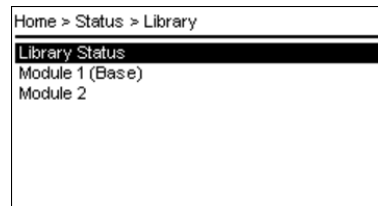


## Verifying the Installation and Configuration

Power on the library and check the following:

- Verify that the library powers on and initializes correctly, and that the status is Ready.
- Check that the event that indicated the Drive Power Board was faulty is cleared.

If the UID LEDs are still illuminated, deactivate them using the RMI. Resume the host applications.



## Return Replaced Part to Overland

For warranty replacements:

1. Place the **old Drive Power Board** in the anti-static bag and put it in the replacement part's box.
2. Use the existing **packing material** to secure it in the box.
3. 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>.

