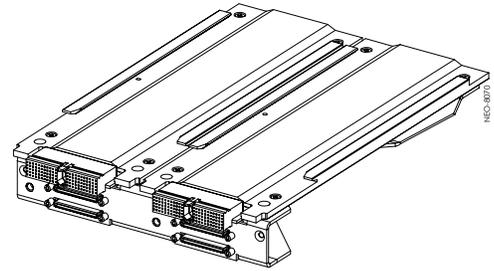


NEO 8000™ Library

Hot Swap Assembly Spare

Remove & Replace Instructions



Overview & Notes

Introduction

IMPORTANT: Overland Storage requires that all NEO 8000 parts be removed and replaced by an Overland Storage authorized service provider. Improper installation may result in damage which voids existing warranties.

The NEO 8000 features LiveSwap™ that, because of the Hot Swap assembly, permits tape drives to be added, removed, or replaced without powering down the library.

This document describes how to remove and replace a Hot Swap assembly in an Overland Storage NEO 8000 Library.

Unpacking the Spare

Carefully unpack the spare part and verify that you have all the parts:

- Hot Swap assembly in an anti-static bag
- Two M3x6mm screws
- These remove & replace instructions



WARNING: The GUI touch screen does not completely shut off NEO 8000 system power. To reduce the risk of electric shock or damage to equipment, disconnect the power by unplugging the power cords.

Electrostatic Discharge Information

A discharge of static electricity can damage micro-circuitry or static-sensitive devices. To help prevent electrostatic damage, observe the following precautions:

- Transport and store items in static-safe containers.
- Keep electrostatic-sensitive parts in their containers until they arrive at static-free stations.
- Use a wrist strap and properly-grounded tools.
- Make sure you are always properly grounded when touching a static-sensitive component or assembly.
- Keep the work area free of non-conductive materials.
- Avoid touching pins, leads, or circuitry.

Replacing the Hot Swap Assembly

Prepare the Library

1. At the front panel, **power down** the library.
2. Set the library **circuit breakers** to OFF (“O”), and remove and retain the **power cords**.
3. Locate the Hot Swap **assembly** being replaced (Figure 1).
4. Remove any network **cables** and **terminators**.
5. Remove the **drives** or **cover plates** from the old assembly's drive bay.
6. Remove and retain the **M3x8mm screw** and drive **divider**.

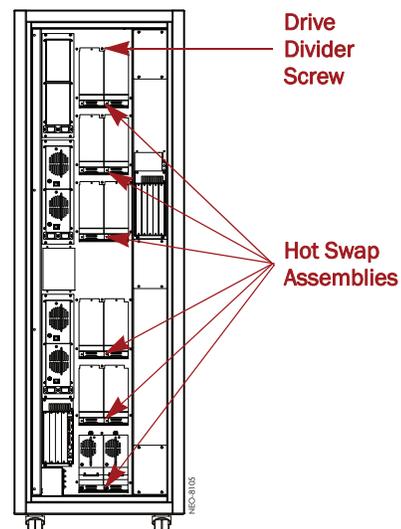


Figure 1. Locations of the Hot Swap Assemblies

Remove Old Assembly

1. Remove the two **M2x6mm screws** (Figure 2) holding the assembly to the frame.

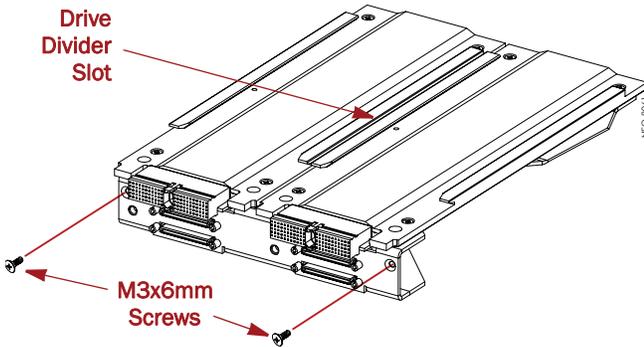


Figure 2. Hot Swap Assembly Mounting Screws

2. Gently slide the **assembly** out about 2 in. (5cm), and pivot it up to access the cables underneath.

NOTE: If necessary, remove the power and ribbon cables from the D-clamps on the backplane to make it easier to remove them from the Hot Swap assembly.

3. Squeezing the sides of the plug to release it, remove the **ribbon cable** from the socket.

CAUTION: Failure to release the plug before removing it damages to the ribbon cable socket.

4. Releasing the clip holding the plug to the socket, remove the **power cable**.
5. Remove the **old assembly** and set it aside.

Install New Assembly

1. Position the **new assembly** at the drive bay, tilted up to access the plugs underneath.
2. Run the **power cable** through the Hot Swap assembly (Figure 3), and push the plug into the socket until it clicks in place.
3. Push the **ribbon cable plug** into the socket until it is fully seated.

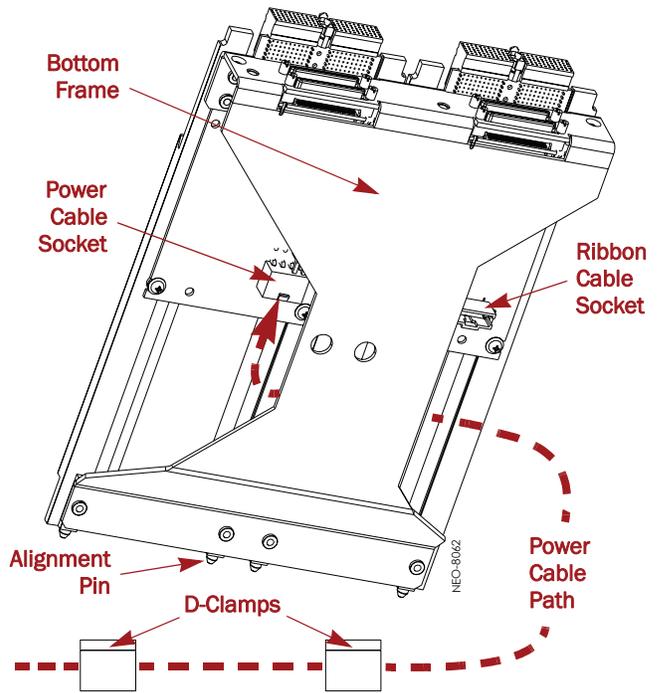


Figure 3. Hot Swap Connections (Bottom View)

4. Slide the **assembly** back into drive bay until the alignment pins are in their respective holes.

CAUTION: Verify that the cables do not rub against the edge of the Hot Swap assembly bottom frame. Verify that the power and ribbon cables are secured in the D-clamps.

5. Using the **new M3x6mm screws**, attach the new assembly to the frame.

Restart the Library

1. Use the retained **M3x8mm screw** to reinstall the drive divider.
2. Reinstall the **drives or cover plates**.
3. Reattach any network **cables and terminators**.
4. Reattach the **power cords** and set the library **circuit breakers** to ON ("I").

The library should power up normally and see all drives.

Additional Help

You can get additional technical support on the Internet at support.overlandstorage.com, or call 1-877-654-3429 (toll-free U.S. & Canada), +44 (0) 118-9898050 (Europe), or 001-858-571-5555 x5 (International).

All information contained in or disclosed by this document is considered proprietary by Overland Storage. By accepting this material, the recipient agrees that this material and the information contained therein are held in confidence and in trust and will not be used, reproduced in whole or in part, nor its contents revealed to others, except to meet the purpose for which it was delivered. It is understood that no right is conveyed to reproduce or have reproduced any item herein disclosed without express permission from Overland Storage. Overland Storage provides this document as is, without warranty of any kind, either expressed or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Overland Storage may make improvements or changes in the product(s) or program(s) described in this document at any time. These changes will be incorporated in new editions of this publication.

Overland Storage assumes no responsibility for the accuracy, completeness, sufficiency, or usefulness of this document, nor for any problem that might arise from the use of the information in this document.