upgrade instructions

hp StorageWorks
fixed universal load pack

open card completely before beginning upgrade instructions

hp ® **invent**

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This document explains how to replace a removable SDLT/DLT load pack with a fixed LTO/SDLT load pack in an ESL9198SL, ESL9326SL, or ESL9595 library.

The upgrade procedure consists of the following steps:

1. Turn off library power.
2. Remove the existing load packs.
3. Install the fixed load pack.
4. Calibrate the fixed load pack.

You will need a Phillips screwdriver to perform this procedure.

NOTE: HP recommends that you use a magnetic-tipped screwdriver to avoid dropping the screws.

Powering Off the Library

Before starting the upgrade procedure, turn off the library power:

1. On the graphical user interface (GUI) panel, press Standby to place the library off-line.

   The library robotics completes any current commands and then stops.

2. Verify that the GUI displays System Off-line.
3. Press the Overview tab on the GUI.
4. In the Activity section of the Overview tab, verify that the gripper contains a tape cartridge.
5. If the gripper contains a cartridge, perform a Move Cartridge command to place it in an available bin.
6. On the front of the library, locate the sliding panel that covers the On/Off switch (see Figure 1).
7. The sliding panel is on the right front of the library, just below the GUI.
8. Slide the panel open.
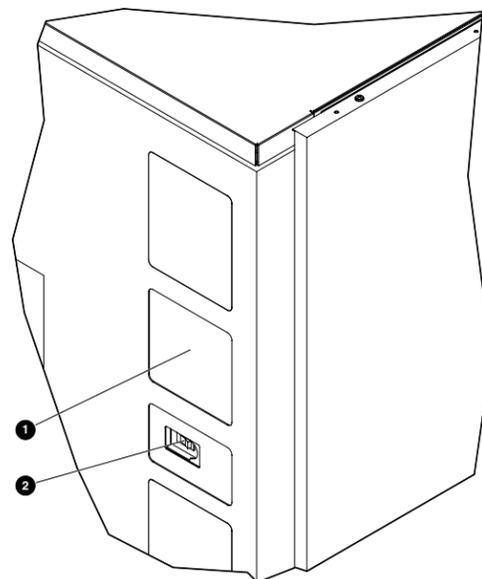9. Set the On/Off switch to the off position.

Figure 1: On/Off switch

❶ GUI   ❷ On/Off switch

10. Open the rear access door (ESL9198SL) or the left tape drive access door (ESL9326SL/ESL9595).
11. Locate the AC power distribution assemblies in the rear lower left corner of the cabinet.

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12. On the top of the AC power distribution assemblies, set the CB-1 switch ❶ to the off position (see Figure 2).
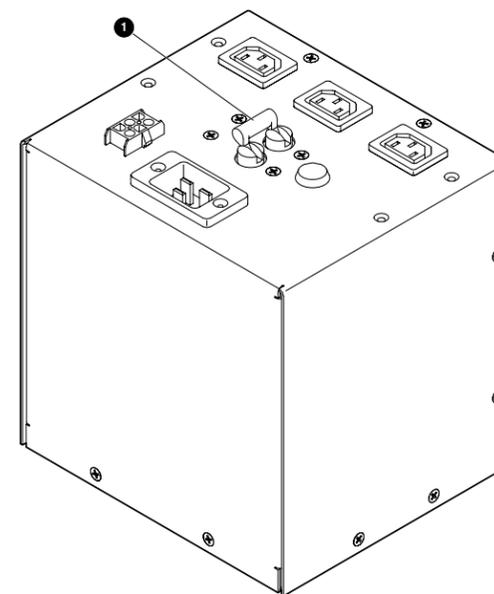

Figure 2: AC power distribution assembly

Removing the Existing Load Packs

To remove the existing load packs from the load port (see Figure 3):

1. Open the right front door (ESL9326SL/ESL9595) or the front door (ESL9198SL) of the library.
2. Press up on the metal tab ❶ at the upper right corner of the load port bay.
3. Rotate the load pack handle ❷ (at the top of the load pack) forward and down.
4. Pull the load pack out of the load port.
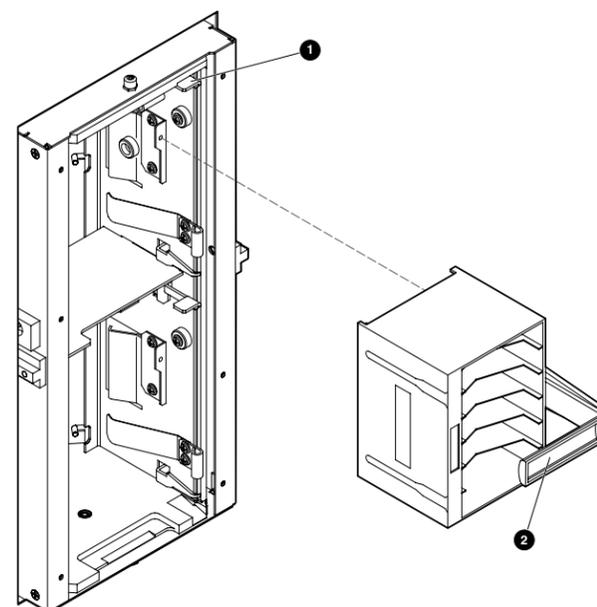5. Repeat steps 2 through 4 to remove the other load pack.

Figure 3: Removing the DLT/SDLT load packs

Installing the Fixed Load Packs

To install the two fixed load packs in the load port:

1. Install the two load port keys ❶ on the right wall of the load port as shown in Figure 4, using two of the screws provided in the upgrade kit.
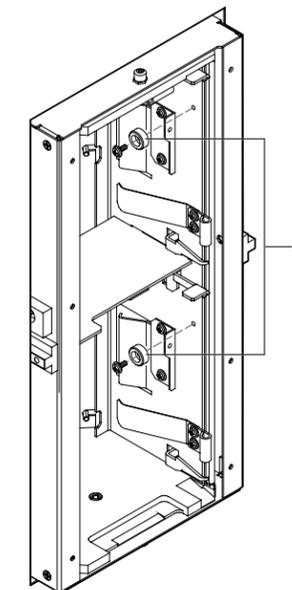

Figure 4: Installing the load port keys

2. Insert one of the fixed load packs into the load port, making sure that tab in the load pack lines up with the mounting hole ❶ in the load port.
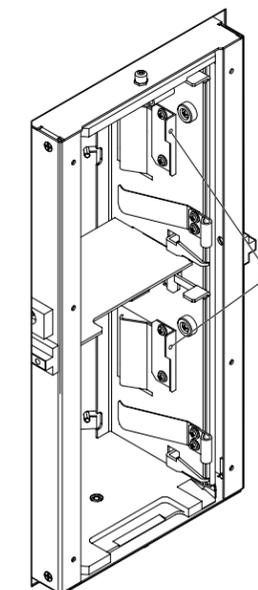

Figure 5: Installing the load pack

3. Push the fixed load pack all the way to the left, then slide it back into the load port until it stops.
4. Secure the fixed load pack in the load port using the screws ❶ provided in the upgrade kit (see Figure 6).
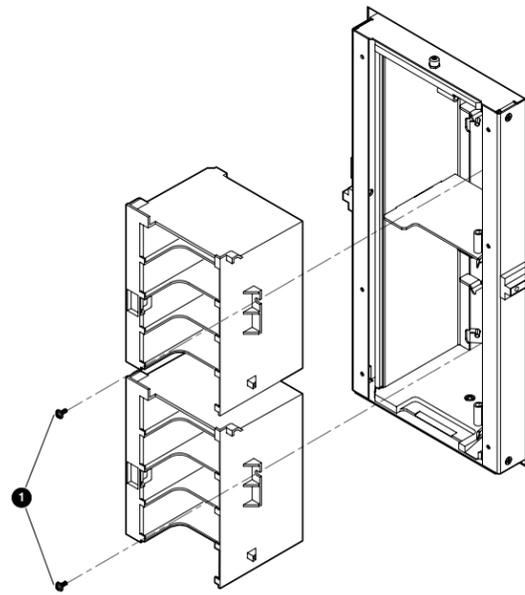
Figure 6: Securing the load pack

5. Repeat steps 2 through 4 to install the second fixed load pack.

Calibrating the Load Port

Now that the fixed load packs are installed, turn library power on and calibrate the load port:

1. Open the rear access door (ESL9198SL) or the left tape drive access door (ESL9326SL/ESL9595).

2. Set the CB-1 switch on the top of the AC power distribution assembly to the on position (see Figure 2).

3. On the front of the library, open the sliding panel that covers the On/Off switch (see Figure 1).

4. Set the On/Off switch to the on position.

   The library initializes and the GUI displays System On-line.

5. On the GUI, press the Operator tab.

6. If prompted, enter the Operator password.

   NOTE: The default Operator password is 1234.

   The GUI displays the Operator screen.

7. Press Calibrate Library.

   The GUI displays the Calibrate Library screen.

8. Press Calibrate Imp/Exp.

   The GUI displays a "Command In Progress" screen during the calibration process.

When the calibration process finishes, the fixed load pack upgrade is complete.

Reinstalling the Removable DLT/SDLT Load Packs

To reinstall the removable DLT/SDLT load packs:

1. Power off the library. (See "Powering Off the Library" on Page 1.)

2. Open the right front door (ESL9326SL/ESL9595) or the front door (ESL9198SL) of the library.

3. Remove the screws securing the upper and lower load packs. (See Figure 6.)

4. Release the load pack catch for the upper and lower load packs on the right of the load port. Lift the catches. Pull out the load packs.

5. Remove the upper and lower load port keys. (See Figure 4.)

6. Install a DLT/SDLT load pack into the upper portion of the load port, making sure that the load pack latches.

7. Install a DLT/SDLT load pack into the lower portion of the load port, making sure that the load pack latches.

8. Calibrate the load port. (See "Calibrating the Load Port.")