

Compaq StorageWorks External Cache Battery Mounting Kit (DS-SWX4U-2U) Installation Guide

This document describes how to install an external cache battery (ECB) into an Enterprise Storage Array (ESA) 12000 cabinet using an ECB mounting kit (DS-SWX4U-2U). Either one or two ECBs can be installed in the ESA 12000.

Mounting Kit Contents

Use Table 1 to verify that all ECB mounting kit parts are available.

Note

This kit only applies to DIGITAL RETMA cabinets.

For easy identification, a component part number is stamped on each bracket.

Table 1 Mounting Kit Parts List

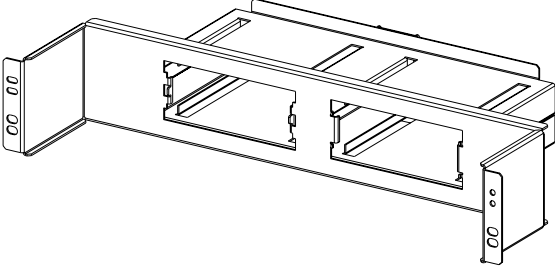
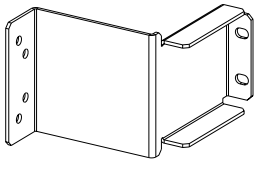
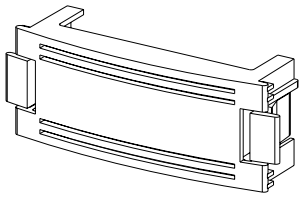
Description	Qty
ECB Shelf (70-40054-01)  CXO6635A	1
Angle Bracket (74-60099-01)  CXO6636A	2

Table 1 Mounting Kit Parts List (Continued)

Description	Qty
Blank Bezel (74-45644-03)  CXO6637A	1
10-32 x 5/8 in Pan Head SEMS Screw (12-21368-02)	10
10-32 U-Nuts (90-07786-00)	8

Preliminary Information

Compaq recommends mounting the ECB shelf in the front of the cabinet, directly above the lower BA370 enclosure. This shelf is capable of holding two ECBs (a single or dual ECB module). If only one ECB (a single or dual ECB module) is installed, a blank bezel must be installed in the other opening.

Note

If only one BA370 enclosure is installed within the cabinet, the space above the ECB shelf must be covered with 5U and 1U filler panels to provide adequate air flow within the cabinet. If two BA370 enclosures are installed, no filler panels are required above the upper enclosure.

If two BA370 enclosures will be installed within the cabinet, Compaq recommends installing the ECB shelf prior to installing the second BA370 enclosure in the upper location. Otherwise, it might be difficult to secure the rear ECB shelf mounting brackets.

Installing the ECB Shelf

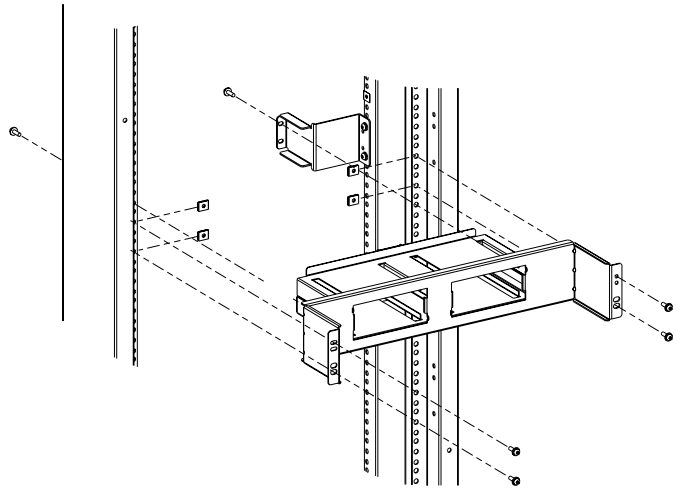
Complete the procedure in Table 2 to install an ECB shelf in a cabinet.

Note

Count only the cabinet rail holes that are 0.281 inch in diameter, beginning at the bottom of the cabinet. DO NOT count the first smaller hole at the very bottom or top of the rail.

Table 2 ECB Shelf Installation Procedure

1. Install two clip U-nuts in the rear leg of the left-front cabinet rail, using holes 69 and 72.



CXO6599A

2. Holding the angle bracket, align it with the holes containing the U-nuts installed in the previous step and secure the bracket using two 10-32 x 5/8 in Pan Head screws.
3. Repeat steps 1 and 2 for the rear leg of the right-front cabinet rail.
4. Insert four clip U-nuts in rail holes 68 and 71 on both cabinet vertical rails.
5. Insert the ECB shelf into the angle brackets, align the shelf with the four clip U-nuts installed in the previous step and secure it using four 10-32 x 5/8 in Pan Head screws (two on the left and right sides) finger-tight.
6. From the rear of the cabinet, secure the back of the ECB shelf to the angle brackets by installing two 10-32 x 5/8 in Pan Head screws (one in the upper hole of the left angle bracket and lower hole of the right angle bracket—as seen from the rear).
7. From the front of the cabinet, fully tighten the four screws installed in step 5 that hold the ECB shelf to the cabinet rails.
8. If only one ECB will be installed in the ECB shelf, install the blank bezel into the open slot.