



Replacing a 5U enclosure drive module in its carrier

SEAGATE

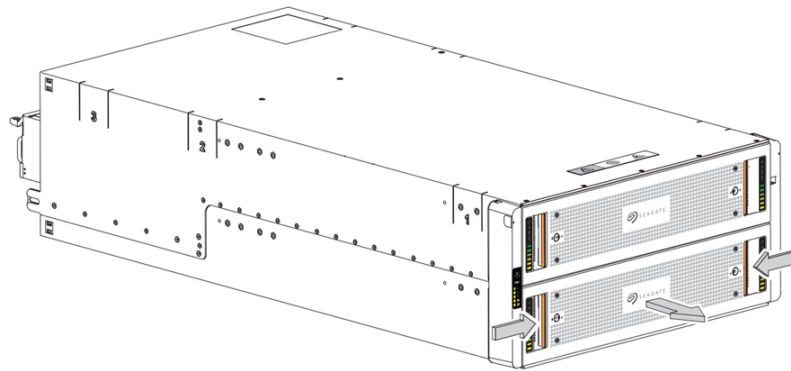
Exos X 4006 Series and AP Integrated Storage Servers

This document contains the steps in replacing a drive module in its carrier for a 5U enclosure. More detailed information is found in the Hardware Maintenance and Installation Guide (HMIG) for the Exos X 4006 Series storage systems and AP Integrated Storage Servers. You can find the documents located at <https://www.seagate.com/support/data-storage-systems>.

DDIC – Disk Drive in Carrier

1. Complete the following actions to open the related drawer:

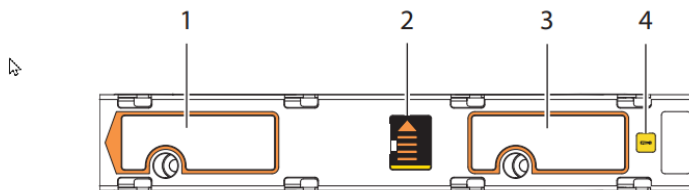
- a. Facing the front of the storage enclosure, determine which drawer has a fault condition by the fault LEDs on the ops panel and drawer panels.
- b. If the anti-tamper lock is engaged, use a T20 Torx driver to unlock both pull handles on the drawer.
- c. Simultaneously press both drawer latches inward and hold them there while exerting even outward pressure until all three rows are visible and the drawer slide latch locks in the open position.



- d. Stop when the drawer rails engage the safety lock latches as the drawer reaches the open position, so that you can access all three rows of DDICs.

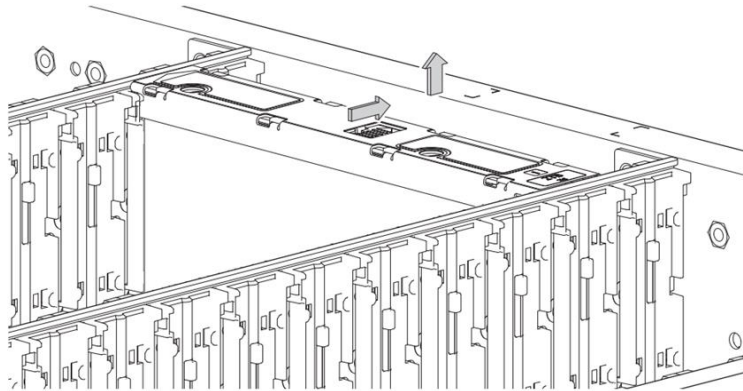
2. Complete the following actions to remove a faulty DDIC:

- a. Locate the DDIC with a fault condition.



Item	Description	Item	Description
1	Top portion of carrier latch	3	Bottom portion of carrier latch
2	Release latch, release latch arrow, open state	4	Fault condition LED

- b. Using a thumb, press the DDIC release latch arrow to the right to release the DDIC from its seated position.
- c. Grasping the top of the carrier, pull it upwards until it clears its drawer slot.

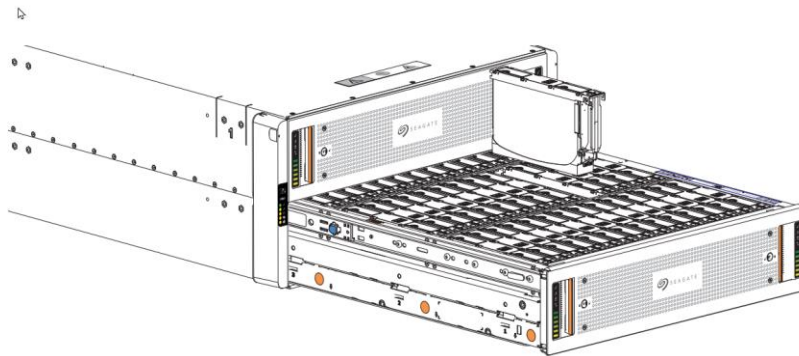


Removal of the DDIC

- d. Place it in a static-protected location.

3. Complete the following actions to replace it with a tested, good DDIC:

- a. Select a new DDIC, orient it so the LED is towards the drawer front, and the release latch arrow towards the rear.
- b. Align the carrier with the empty drawer slot, then lower it fully into the slot.



- c. Push the DDIC down until the top is flush with the top of the slot.
- d. While holding it against the bottom of the slot, slide the top latch toward the rear of the drawer until it locks into place and the DDIC release latch locks.



Release Latch Open



Release Latch Closed

- e. Verify that all drives are at the same level and all DDIC release latches are properly locked.

CAUTION: Do not proceed to close the drawer unless all DDICs are in a fully locked position or DDIC height can inhibit or completely prevent drawer access once you close it.

- f. Confirm that the DDIC fault condition LED is off.

4. Complete the following actions to close the related drawer:

- a. Press and hold the safety lock latches with the blue touchpoint at the front of both extended drawer slide rails.
- b. Pressing simultaneously inward, begin sliding the drawer back into place until the safety lock clears the opening.
- c. Placing the heels of both palms against the face of the drawer near the anti-tamper locks, exert even inward pressure until the drawer is almost flush with the rack ear flanges.
- d. Simultaneously press inward and hold both drawer pull handles as you push the drawer closed until it fully latches.

5. Verify that the fault LED on the replaced DDIC is off after properly inserting and seating it in the empty slot.

6. Facing the front of the storage enclosure, verify that the Power On LED is green and there are no fault conditions.