Product End-of-Life Disassembly Instructions

Product Category: Storage Enclosures
Marketing Name / Model [List multiple models if applicable.]
StorageWorks MSA20 / 335921-B21,366172-B21
StorageWorks SFS20 Enclosure /A7566A

Purpose: The document is intended for use by end-of-life recyclers or treatment facilities. It provides the basic instructions for the disassembly of HP products to remove components and materials requiring selective treatment, as defined by EU directive 2002/96/EC, Waste Electrical and Electronic Equipment (WEEE).

1.0 Items Requiring Selective Treatment

1.1 Items listed below are classified as requiring selective treatment.
1.2 Enter the quantity of items contained within the product which require selective treatment in the right column, as applicable.

Item Description	Notes	Quantity of items included in product
Printed Circuit Boards (PCB) or Printed Circuit Assemblies (PCA)	With a surface greater than 10 sq cm	11
Batteries	All types including standard alkaline and lithium coin or button style batteries	2
Mercury-containing components	For example, mercury in lamps, display backlights, scanner lamps, switches, batteries	
Liquid Crystal Displays (LCD) with a surface greater than 100 sq cm	Includes background illuminated displays with gas discharge lamps	
Cathode Ray Tubes (CRT)		
Capacitors / condensers (Containing PCB/PCT)		
Electrolytic Capacitors / Condensers measuring greater than 2.5 cm in diameter or height		8
External electrical cables and cords		
Gas Discharge Lamps		
Plastics containing Brominated Flame Retardants		
Components and parts containing toner and ink, including liquids, semi-liquids (gel/paste) and toner	Include the cartridges, print heads, tubes, vent chambers, and service stations.	
Components and waste containing asbestos		
Components, parts and materials containing refractory ceramic fibers		
Components, parts and materials containing radioactive substances		

2.0 Tools Required

List the type and size of the tools that would typically be used to disassemble the product to a point where components and materials requiring selective treatment can be removed.

Tool Description	Tool Size (if applicable)
Philips screw diver,	1

3.0 Product Disassembly Process

3.1 List the basic steps that should typically be followed to remove components and materials requiring selective treatment:

1. Disassemble the batteries as shown below.
2. Disassemble the power supply using No. 1 philips screw driver. Remove 4 electrolytic capacitors from each power supply.
3.
4.
5.
6.
7.
8.

3.2 Optional Graphic. If the disassembly process is complex, insert a graphic illustration below to identify the items contained in the product that require selective treatment (with descriptions and arrows identifying locations).

Battery removal instructions:

Controller Module

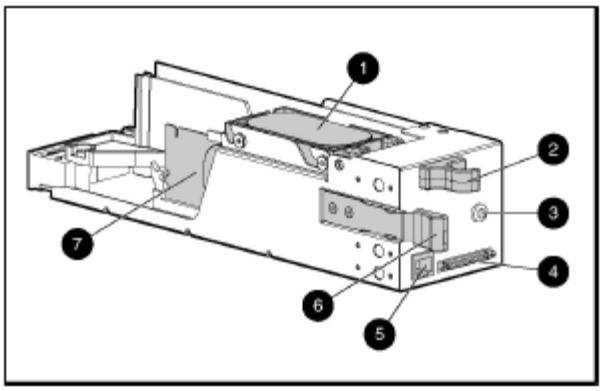
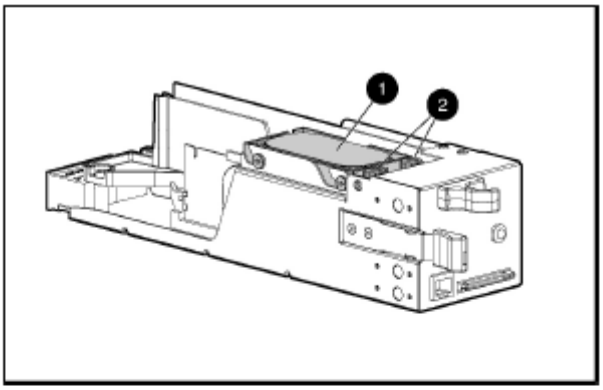


Figure 2-4: Controller module

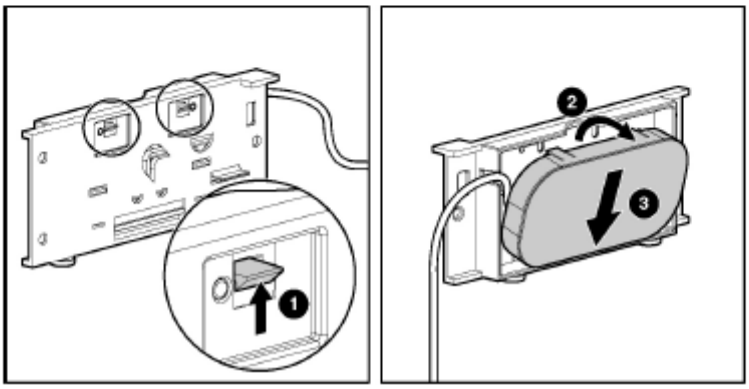
Item	Description
1	Upper cache battery
2	Finger hook
3	Bicolor status LED (green or amber)
4	VHDCI connector (for connecting to a sixth-generation Smart Array controller or an MSA1500 cs enclosure)
5	Service port (for HP service technicians only)
6	Release lever
7	Controller cache (lower cache battery just visible)

To replace the upper battery pack (1):

1. Remove the controller module from the enclosure (for detailed instructions, refer to the Controller Module section).
2. Loosen the thumbscrews (2).

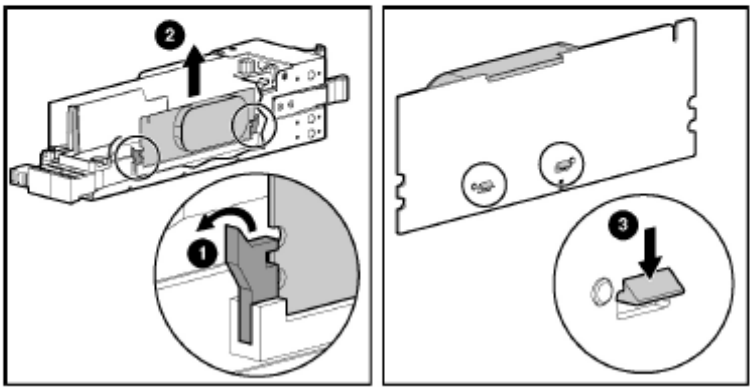


3. Slide the battery unit toward the rear of the controller module and lift it out.
4. On the back of the battery unit, push the two plastic retainer tabs upward through the slots in the battery case (1).
5. Tilt the battery pack slightly away from the battery case (2).
6. Press down on the battery pack to expel it from the battery case (3).



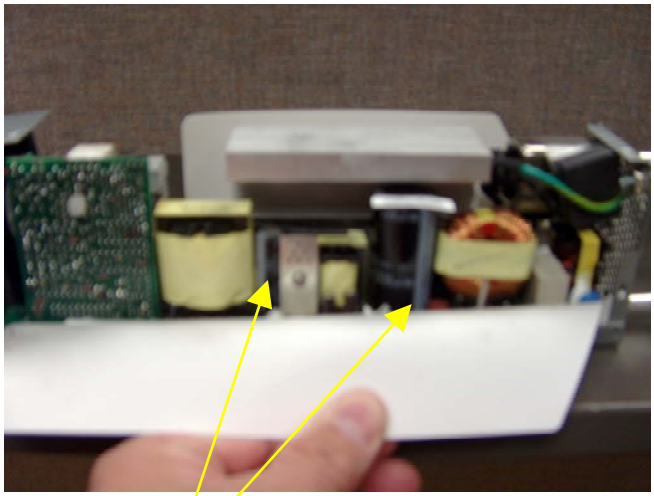
To replace the lower battery pack:

1. Remove the upper battery unit. (You do not need to dismantle the upper unit unless you must also replace the upper battery pack.)
2. Remove the cache board.
   a. Open the ejector levers on each side of the memory module socket (1).
   b. Pull the cache board out of the socket (2).
3. Push the plastic retainer tabs through to the other side of the cache board (3).



4. Lift the battery pack off the cache board.

Locate four capacitors for each power supply.
Two caps shown are for reference.



Capacitors to be removed