Product End-of-Life Disassembly Instructions

Product Category: Other Products
Marketing Name / Model [List multiple models if applicable.]
HP R8000/3 NA & INTL UPS / AF431A & AF432A
HP R12000/3 NA & INTL UPS / AF429A & AF430A
HP RP12000/3 NA & INTL UPS / AF436A & AF437A

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	8
Batteries	All types including standard alkaline and lithium coin or button style batteries	40
Mercury-containing components	For example, mercury in lamps, display backlights, scanner lamps, switches, batteries	0
Liquid Crystal Displays (LCD) with a surface greater than 100 sq cm	Includes background illuminated displays with gas discharge lamps	0
Cathode Ray Tubes (CRT)		0
Capacitors / condensers (Containing PCB/PCT)		0
Electrolytic Capacitors / Condensers measuring greater than 2.5 cm in diameter or height		5 in NA models; 8 in INTL models
External electrical cables and cords		1
Gas Discharge Lamps		0
Plastics containing Brominated Flame Retardants weighing > 25 grams (not including PCBs or PCAs already listed as a separate item above)		0
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.	0
Components and waste containing asbestos		0

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Components, parts and materials containing refractory ceramic fibers		0
Components, parts and materials containing radioactive substances		0

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 Screwdriver	#2
Philips Screwdriver	
Philips Screwdriver	

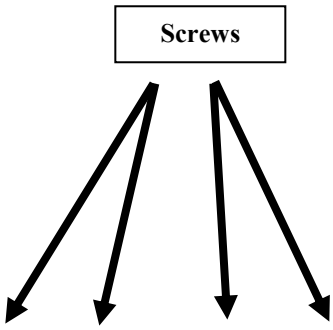
3.0 Product Disassembly Process

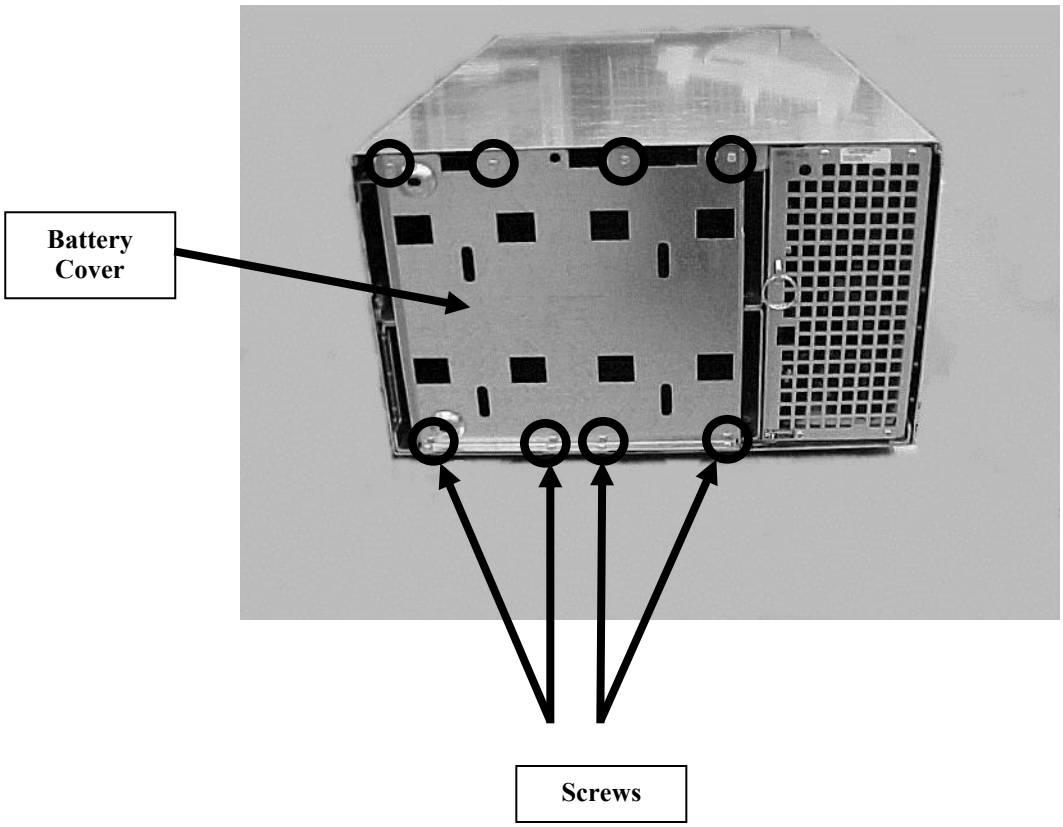
3.1 List the basic steps that should typically be followed to remove components and materials requiring selective treatment:

1. Remove Bezel (located at front of unit, No tools required.) Dispose of components properly.
2. Remove screws from Battery Cover.
3. Remove Battery Packs and set aside.
4. Remove retaining screw from EM.
5. Remove EM and set aside
6. Cut the external power cord with cutting tool. (Located on rear of unit).
7. Remove screws from X-Slot cards and remove X-Slot cards (If installed).
8. Remove screws from Rear Panel
9. Remove Top Cover by sliding towards rear of unit.
10. Caution: Be sure the Battery Packs are removed before continuing or risk of electrical shocks exists. Cut wires retaining the Rear Panel. Remove and disassemble.
11. Cut wires from Power I/O and Signal I/O and remove.
12. Remove X-Slot enclosure by squeezing and lifting off.
13. Remove capacitors greater than 2.5 cm.
14. Separate the Power I/O and signal I/O assemblies and discard components properly.
15. Remove EMI Board and discard components properly.
16. Remove screws from front of EM and remove 4 screws on side and 2 nuts next to Fans.
17. Slide the lid away from fans and separate. Remove Fans with metal support bracket.
18. Remove cables by unplugging or by using cutting tool.
19. With flat head screwdriver pry capacitors greater than 2.5 cm, remove and discard properly.
20. Remove boards and dispose of components properly.
21. Disassembly of Battery Module Caution: Avoid wearing jewelry during disassembly that can be exposed for electrical shock. Caution: Batteries are an energy hazard and can cause shock, or burn from high short circuit current. Observe proper precautions.
22. Expose battery connections by lifting plastic covering. Cutting tape as necessary.
23. Remove battery Terminals and wire harness
24. Remove battery connector and harness. Dispose of components properly.
25. Remove batteries from plastic covering. Dispose of components properly.Batteries should be disposed of at a local recycling /reuse or hazardous waste center
26.

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).

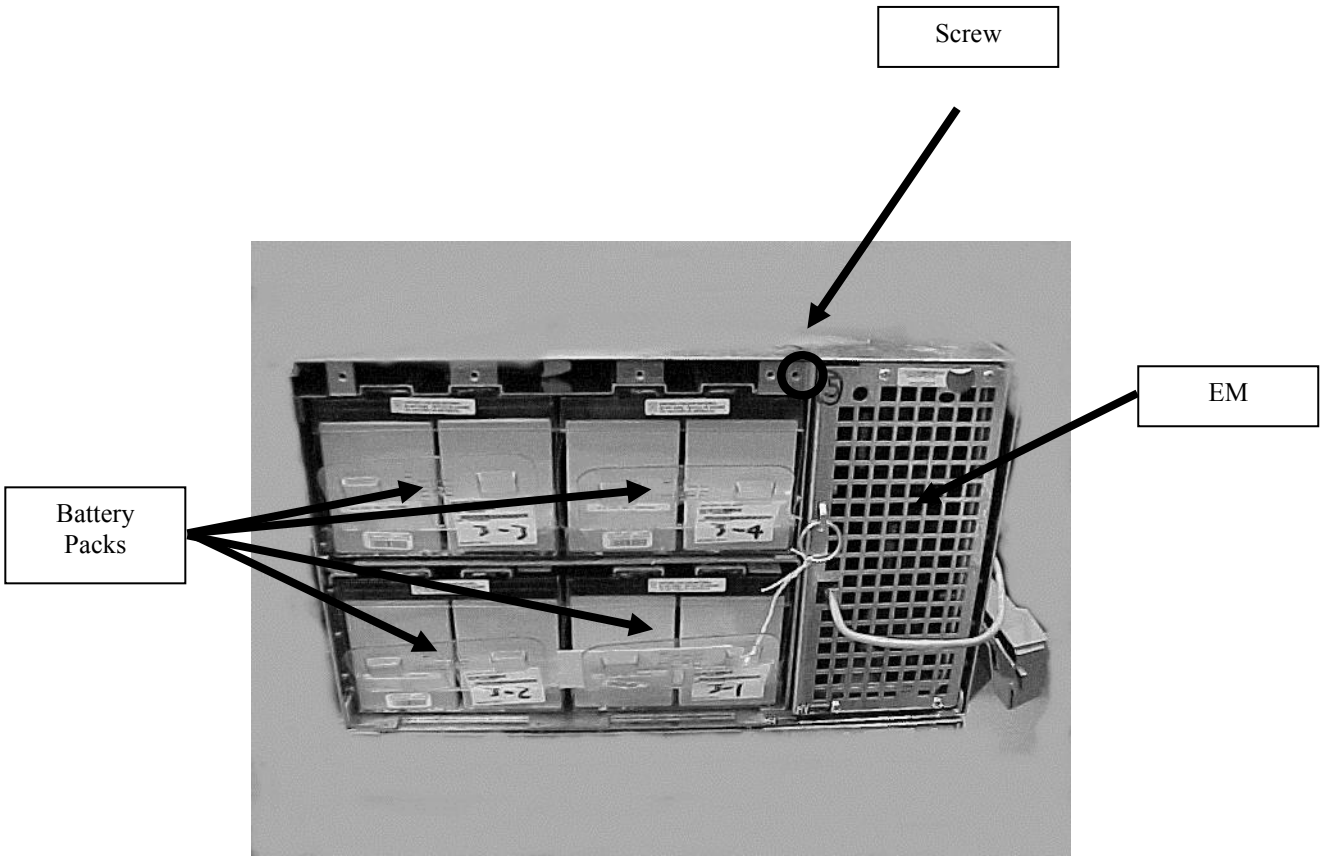
Step 2 -- Remove screws from Battery Cover.





Step 3 -- Remove Battery Packs and set aside.

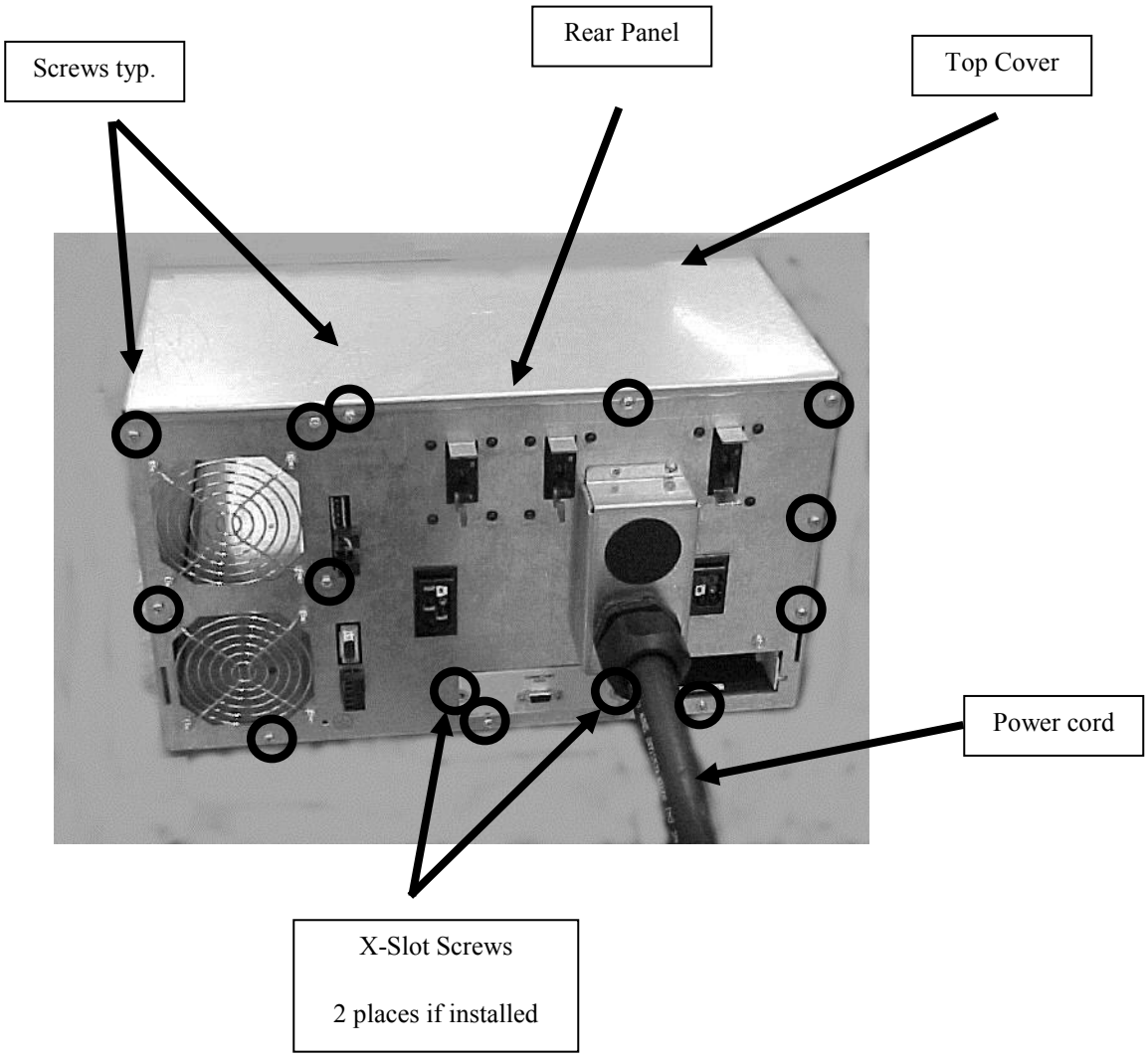
Step 4 -- Remove retaining screw from EM



Step 6 -- Cut the external power cord with cutting tool. (Located on rear of unit.)

Step 7 -- Remove screws from X-Slot cards and remove X-Slot cards. (If installed)

Step 8 -- Remove screws from Rear Panel



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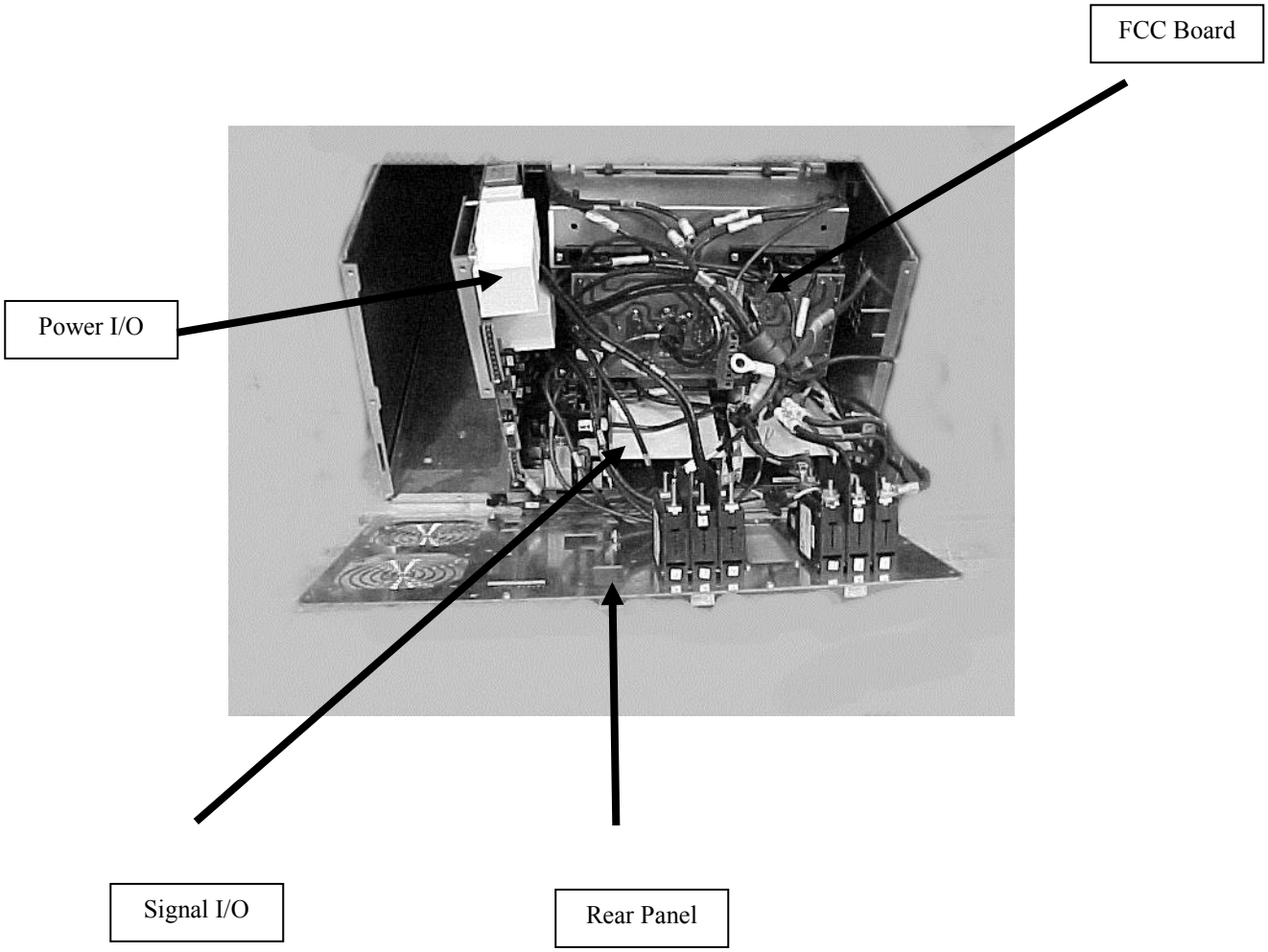
Step 10 -- Caution: Be sure the Battery Packs are removed before continuing or risk of electrical shocks exists.

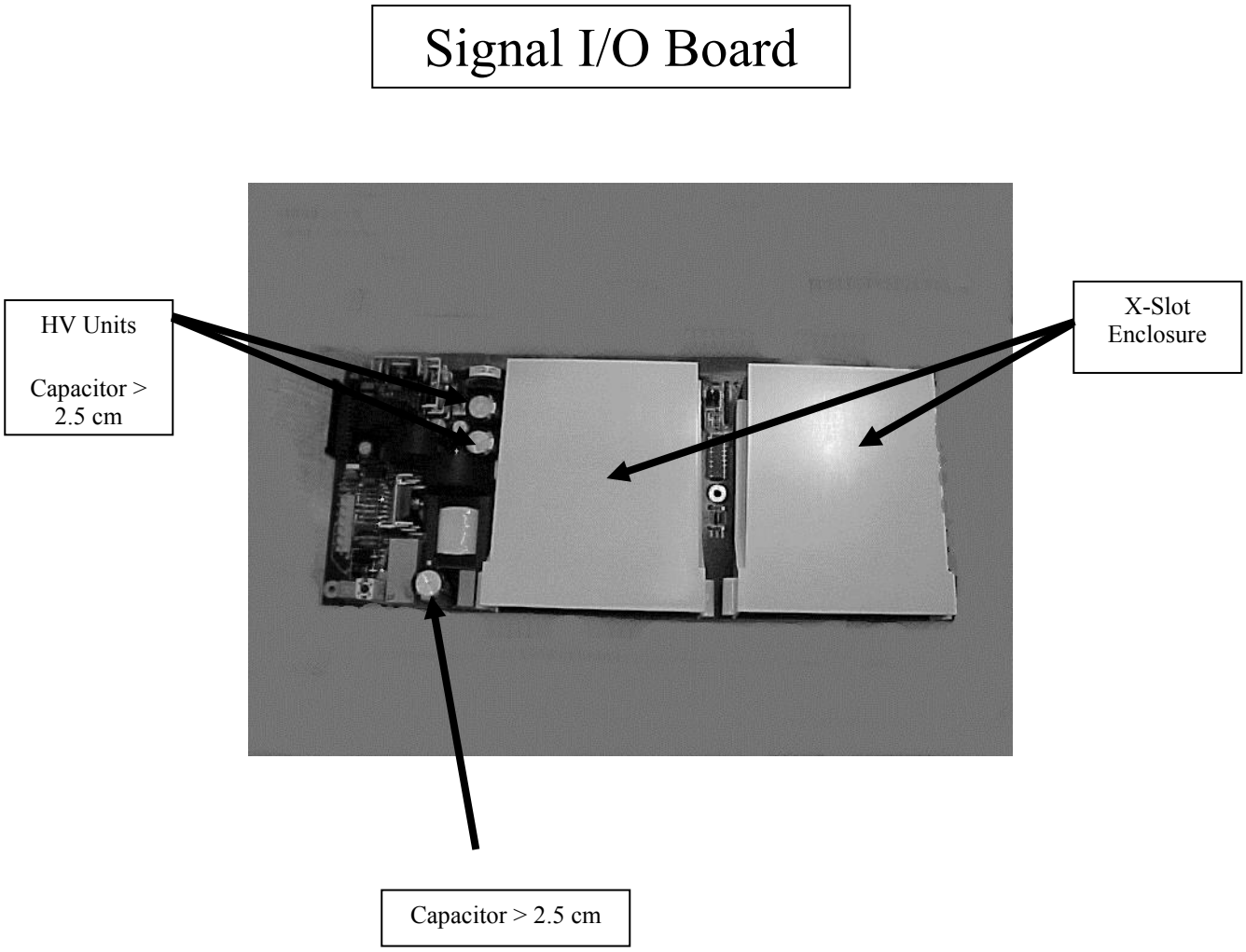
Cut wires retaining the Rear Panel. Remove and disassemble.

Step 11 -- Cut wires from Power I/O and Signal I/O and remove



Step 12 -- Remove X-Slot enclosure by squeezing and lifting off.

Step 13 -- Remove capacitors greater than 2.5 cm



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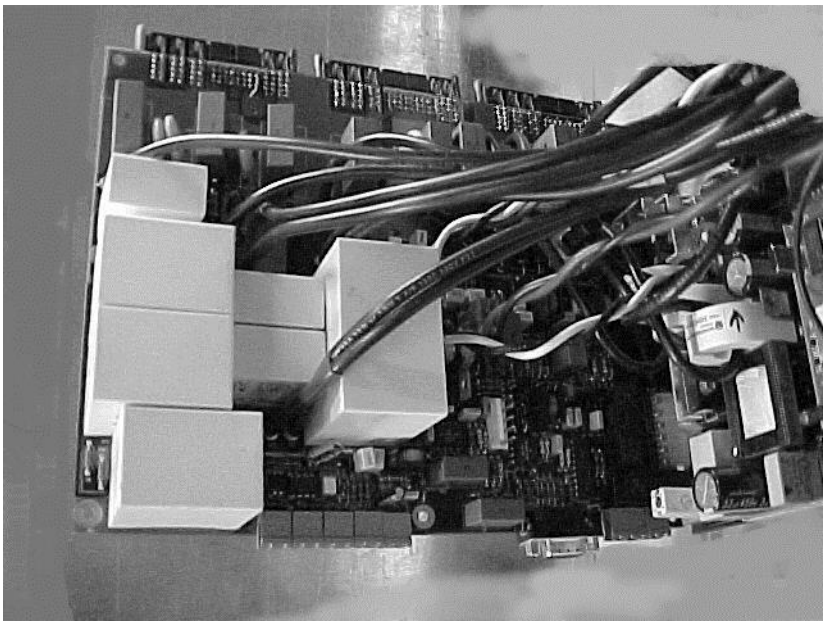
Step 14 -- Separate the Power I/O and signal I/O assemblies and discard components properly

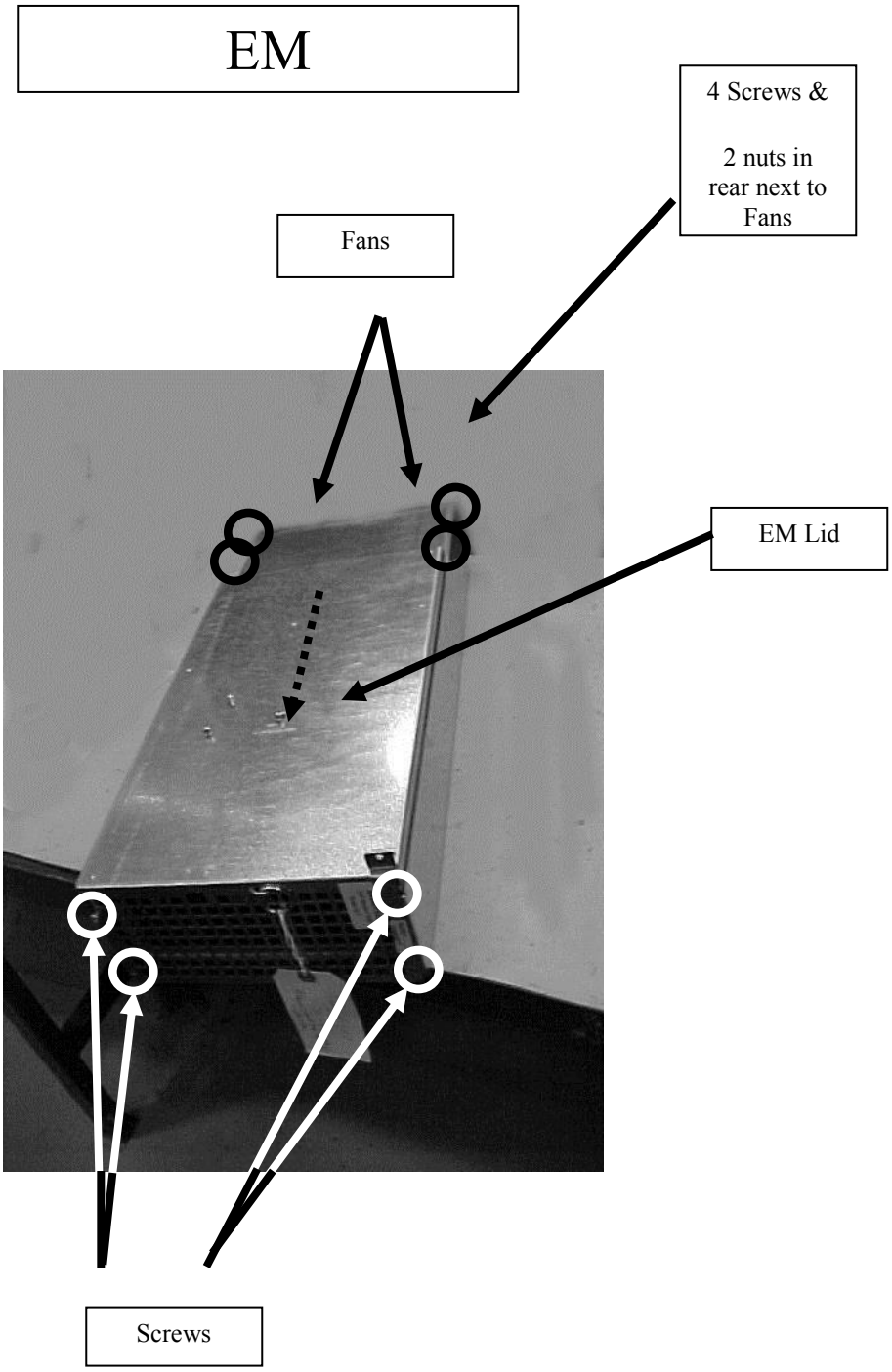
Power I/O Board



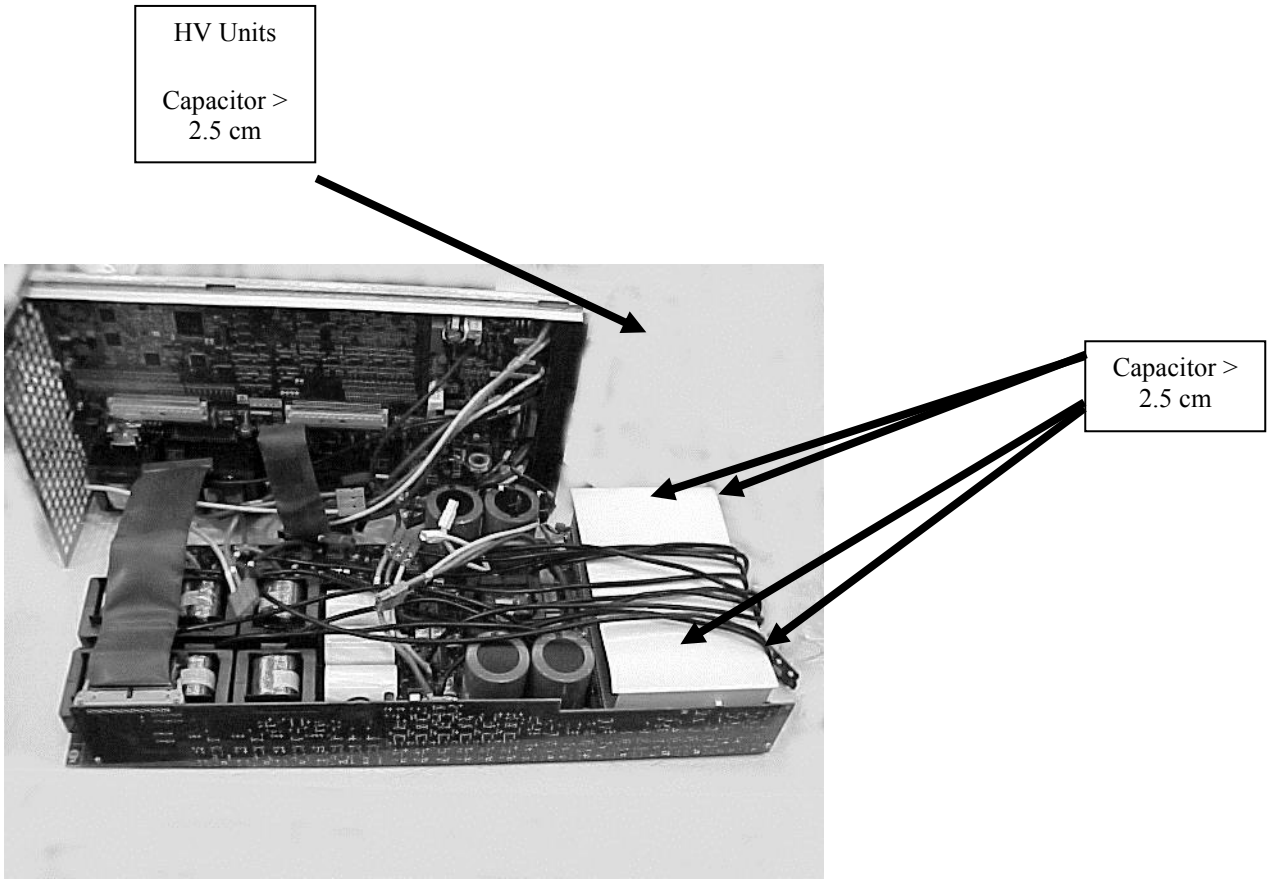
Step 15 -- Remove EMI Board and discard components properly

Step 16 -- Remove screws from front of EM and remove 4 screws on side and 2 nuts next to Fans.

Step 17 -- Slide the lid away from fans and separate. Remove Fans with metal support bracket.



Step 18 -- Remove cables by unplugging or by using cutting tool.



Step 21 -- Disassembly of Battery Module

Caution: Avoid wearing jewelry during disassembly that can be exposed for electrical shock.

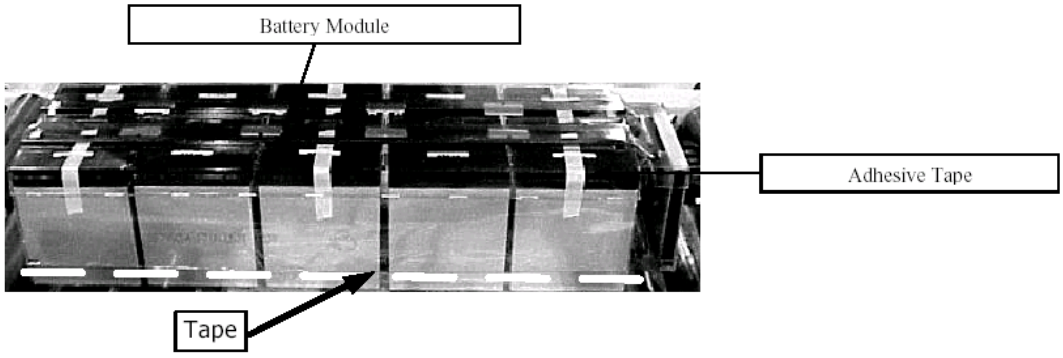
Caution: Batteries are an energy hazard and can cause shock, or burn from high short circuit current. Observe proper precautions.

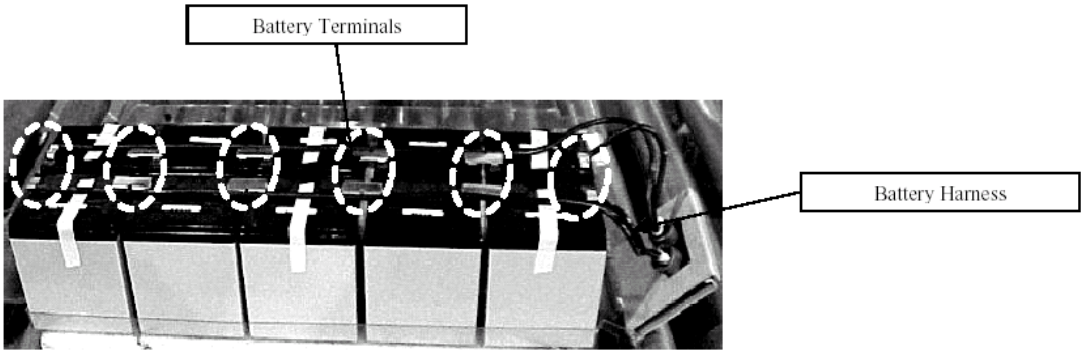
Step 22 -- Expose battery connections by lifting plastic covering. Cutting tape as necessary.

Step 23 -- Remove battery Terminals and wire harness

Step 24 -- Remove battery connector and harness. Dispose of components properly.

Step 25 -- Remove batteries from plastic covering. Dispose of components properly.





<u>Note:</u> The battery should be properly disposed of at a local recycling / reuse or hazardous waste center.