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Title: <b>Unit Disassembly for WEEE</b>			
Document Number / Disk File: <b>597-786-1400-00</b>	By: <b>Jegan Easwaram</b>	Current Rev: <b>0A</b>	Date: <b>12/27/2011</b>
Assemblies Covered: <b>S-1400R3 (786-1400-00)</b>			



<b>Revision</b>	<b>Date</b>	<b>ECO #</b>	<b>Revised By</b>	<b>Description of Changes</b>
0A	12/27/11		Jegan Easwaram	Initial Release



**Tools Required:**

- #2 Phillips Screwdriver
- #1 Phillips Screwdriver



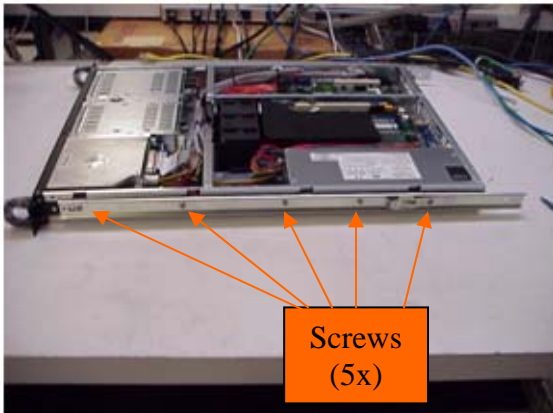
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**NOTE: Disconnect any AC Power Cords attached to the power supplies before disassembly of the unit.**

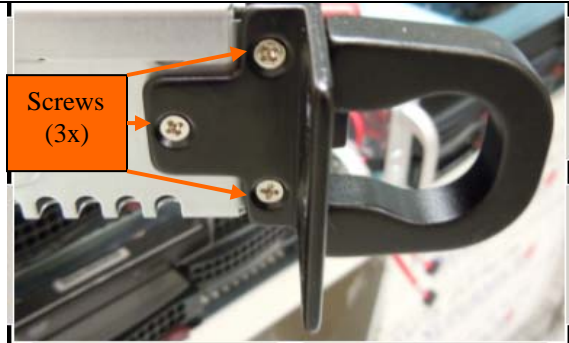
*Images shown are representative of product and may vary depending on actual configuration.*

1.	<p>Removal of the top access cover does not require any tools.</p> <ol style="list-style-type: none"> <li>a. Press the two release buttons on the chassis cover and slide it towards the rear about an inch.</li> <li>b. Remove access cover by lifting it up.</li> <li>c. Remove any labels from the chassis and access cover.</li> <li><b>d. Discard Sheet Metal Cover and Labels into the appropriate Recycle Bin.</b></li> </ol>	
2.	<p>Removal of the front bezel (if present) and any labels on the chassis does not require and tools.</p> <ol style="list-style-type: none"> <li>a. Press the release button on the left side of the bezel, and pull off.</li> <li>b. Peel off any labels on the chassis.</li> <li><b>c. Discard the bezel and labels into the appropriate Recycle Bin.</b></li> </ol>	

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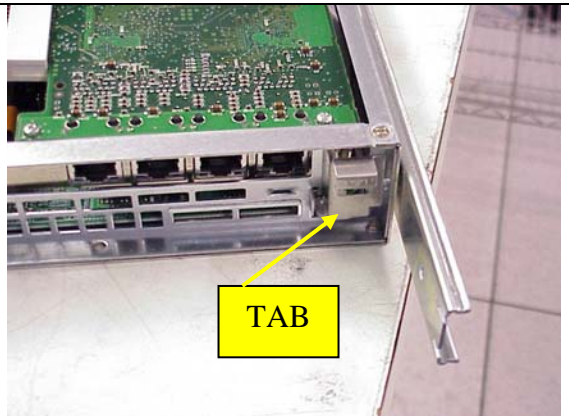
3.	<p>Removal of the 2 SATAII hard drives and drive carriers from the chassis requires no tools</p> <ol style="list-style-type: none"> <li>a. Push the release button located above the drive's LEDs.</li> <li>b. Swing the handle fully out, and use it to pull the drive carrier straight out. Repeat for the second drive.</li> </ol>	
4.	<p>Removal of the 2 SATAII hard drives from the drive carriers requires a #2 Phillips screw driver</p> <ol style="list-style-type: none"> <li>a. Remove the 4 screws on both drive carriers and separate the drives from the carriers.</li> <li>b. <b>Discard the Drives, Drive Carriers, and Screws into the appropriate Recycle Bin.</b></li> </ol>	
5.	<p>Removal of the rails (if present) and mounting ears requires a #2 Phillips screw driver.</p> <ol style="list-style-type: none"> <li>a. Remove the 10 side screws, 5 on each side, to remove rails.</li> <li>b. Remove the 3 screws on each of the 2 mounting ears.</li> <li>c. <b>Discard the Metal Rails, ears and Screws into the appropriate Recycle Bin.</b></li> </ol>	

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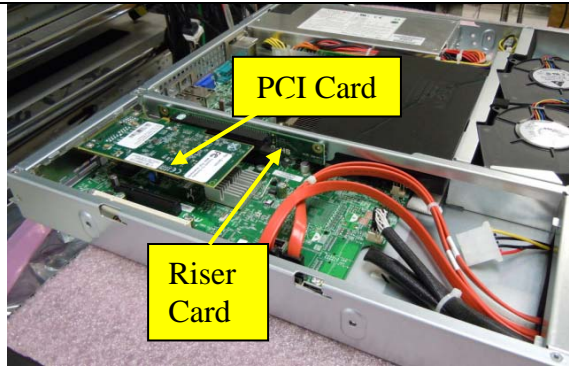
6. Removal of the PCI card (if installed) does not require any tools.

- a. Release the tab on the rear of the chassis that secures the PCI card

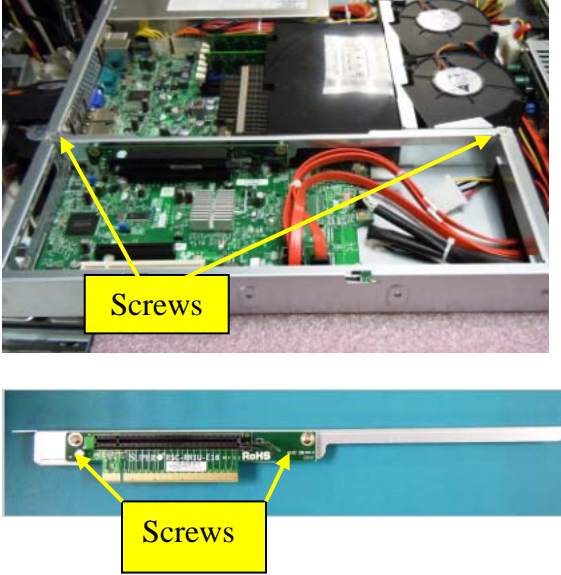
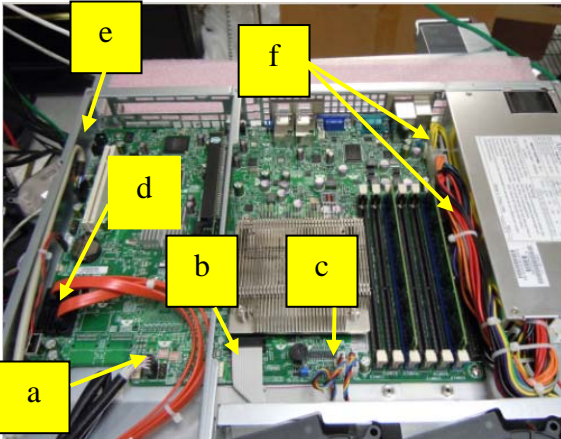



Removal of the PCI card (if installed) does not require any tools.

- b. Remove the PCI card by sliding it towards the outside of the chassis, and lift it out.
- c. **Discard the PCI card and Screws into the appropriate Recycle Bin.**



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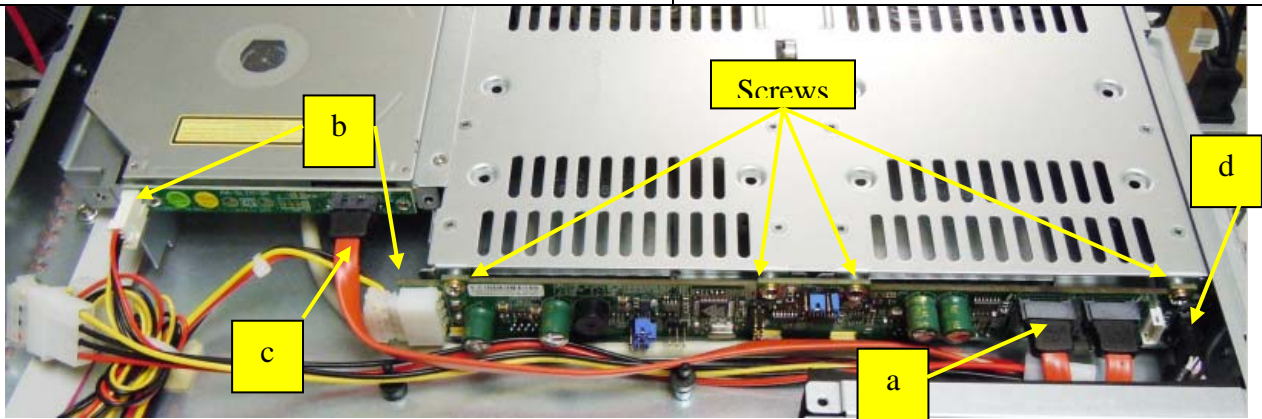
<p>7. Removal of the PCI riser card (if installed) requires a #2 Phillips screw driver.</p> <ol style="list-style-type: none"> <li>a. Remove the PCI riser card from the motherboard by removing the two screws securing the bracket to the chassis and lift up.</li> <li>b. Remove the PCI riser card from the bracket by removing the two screws and lifting off.</li> </ol> <p><b>Discard the PCI riser card, Metal Rail, and Screws into the appropriate Recycle Bin.</b></p>	
<p>8. Removal of the Motherboard cable connections does not require any tools.</p> <ol style="list-style-type: none"> <li>a. Disconnect SGPIO cable from the mother board.</li> <li>b. Disconnect the front panel cable.</li> <li>c. Disconnect the two fan connectors.</li> <li>d. Disconnect the drive cables.</li> <li>e. Disconnect the USB cable connector.</li> <li>f. Disconnect the power cables from the mother board.</li> </ol>	
<p>9. Removal of the two blowers does not require any tools.</p> <ol style="list-style-type: none"> <li>a. Remove the two Blowers from the chassis by lifting upwards.</li> <li>b. <b>Discard the Blowers into the appropriate Recycle Bin.</b></li> </ol>	

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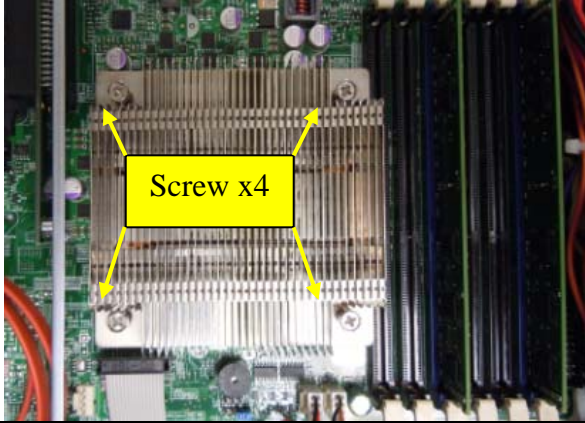
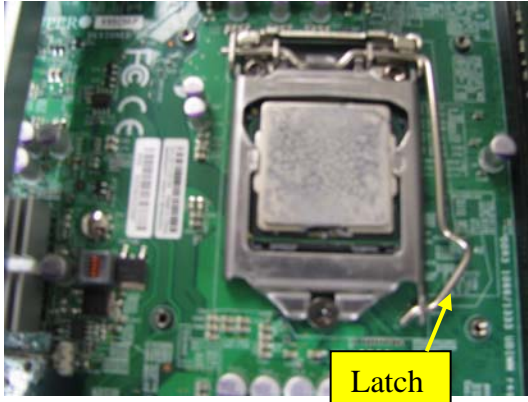
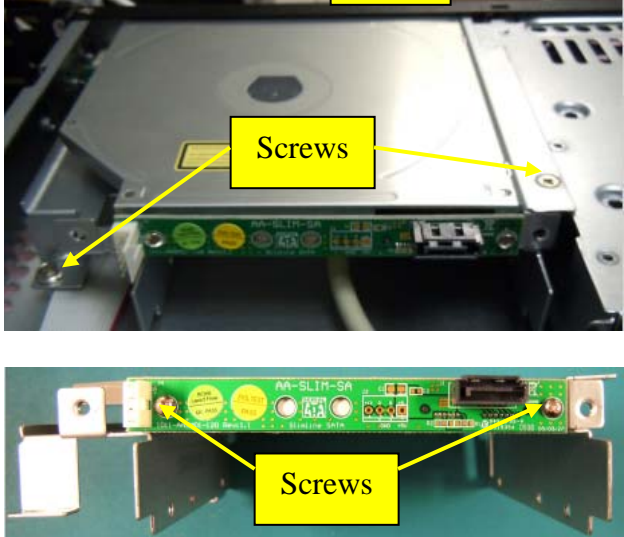
**With one blower removed**



10. Removal of the HDD backplane requires a #2 Phillips screw driver. Removal of the backplane cable connections does not require any tools.
- a. Unplug all drive cables and connected to the drives.
  - b. Disconnect the power cables from the power supply.
  - c. Unplug DVD cables
  - d. Unplug SGPIO cable.
  - e. Remove 4 screws securing backplane and lift out backplane.
  - f. **Discard the Cables and backplane into the appropriate Recycle Bin.**

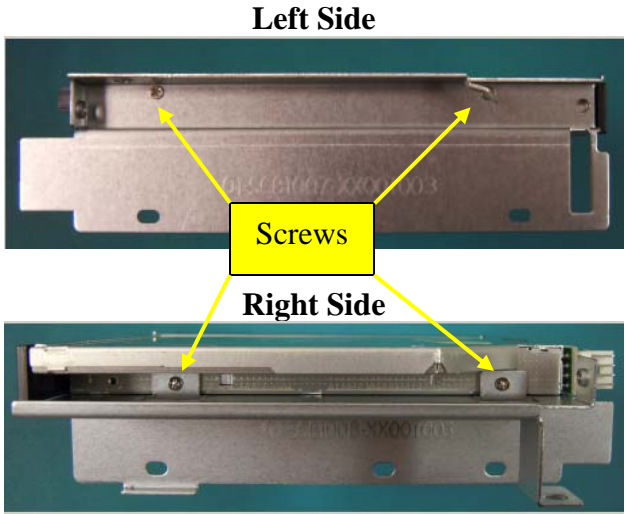


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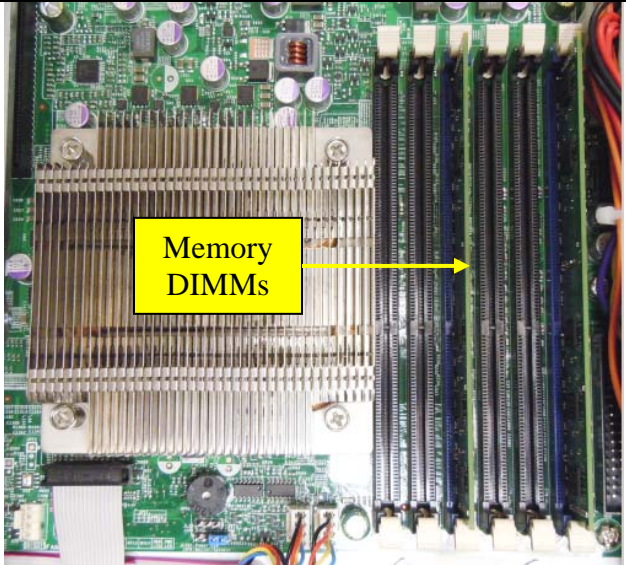
<p>11.</p> <p>Removal of the Heat Sink and CPU requires a #2 Phillips screw driver.</p> <ol style="list-style-type: none"> <li>a. Unscrew each of the 4 screws on the corners of the heat sink.</li> <li>b. Pull the Heat Sink upwards to remove it, exposing the CPU.</li> <li>c. Lift the CPU latch out and up to unfasten the CPU.</li> <li>d. Carefully pick up the CPU on both sides and lift it off the board.</li> <li>e. <b>Discard the Heat Sink into the appropriate Recycle Bin.</b></li> </ol>	
<p>12.</p> <p>Removal of the Heat Sink and CPU requires a #2 Phillips screw driver.</p> <ol style="list-style-type: none"> <li>a. Lift the CPU latch out and up to unfasten the CPU.</li> <li>b. Carefully pick up the CPU on both sides and lift it off the board.</li> <li>c. <b>Discard the CPU into the appropriate Recycle Bin</b></li> </ol>	
<p>13.</p> <p>Removal of the DVD-ROM drive from the chassis (if installed) requires a #2 and a #1 Phillips screw driver.</p> <ol style="list-style-type: none"> <li>a. Remove the 2 screws shown in the diagram with a #2 Phillips screw driver and pull the bracket upwards to remove it.</li> <li>b. Remove the 2 screws holding the DVD ROM Drive printed circuit board (pcb) in place with a #1 Phillips screw driver. Remove the pcb.</li> <li>c. <b>Discard the PCB and Screws into the appropriate Recycle Bin.</b></li> </ol>	

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14. Removal of the DVD-ROM (if installed) from the bracket requires a #1 Phillips screw driver.
- a. Remove the 4 screws holding the DVD ROM drive to the brackets with a #1 Phillips screwdriver, and pull out.
  - b. **Discard the DVD ROM, brackets and Screws, into the appropriate Recycle Bin.**



15. Removal of the Memory DIMMs from the motherboard does not require any tools.
- a. Remove each of the Memory DIMMs by pushing down and out on the two latches, one on each end of the DIMM connector. Lift memory DIMM straight out to remove.
  - b. **Discard the Memory DIMMs into the appropriate Recycle Bin.**
- \*\*\* CAUTION \*\*\***
- Care should be observed when disposing of the battery to avoid shorting it!**



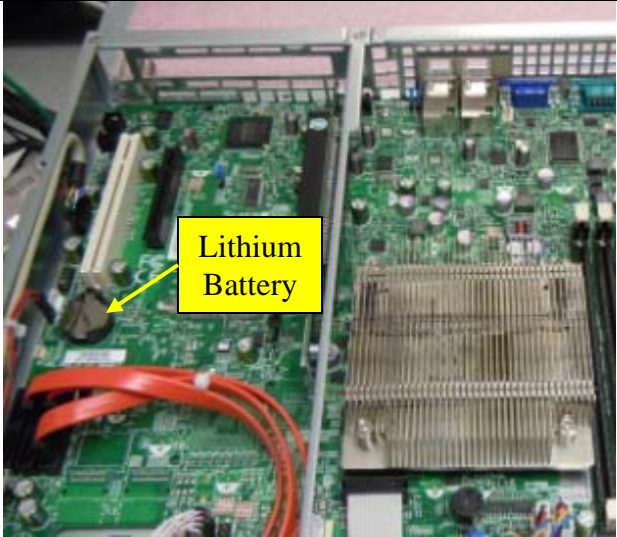


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16. Removal of Lithium Battery from the motherboard does not require any tools.

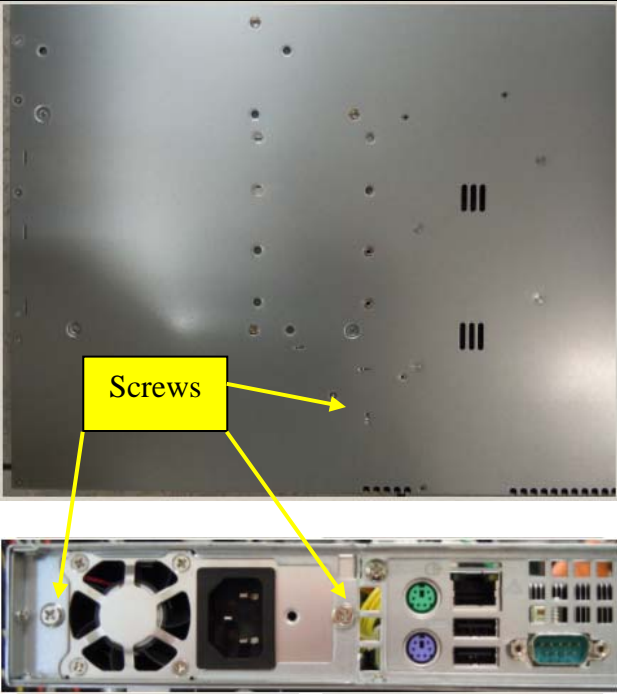
- a. Remove the coin style Lithium Battery.
- b. Discard the Lithium Battery into the appropriate Recycle Bin.**

**\*\*\* CAUTION \*\*\***  
**Care should be observed when disposing of the battery to avoid shorting it!**



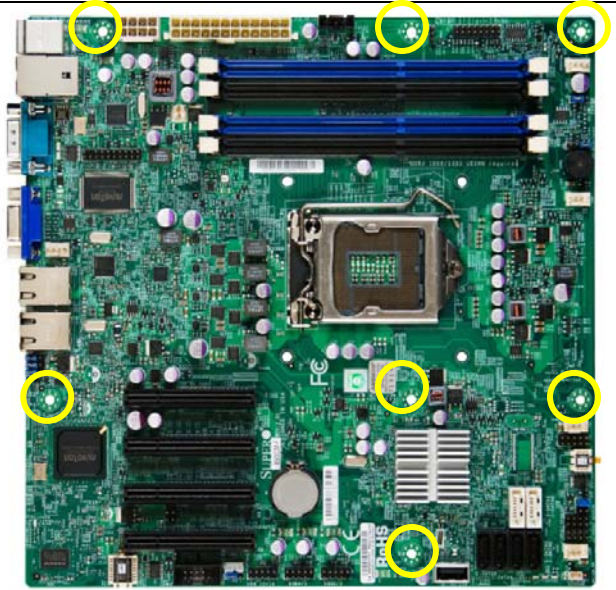
17. Removal of the power supply requires a #2 Phillips screw driver.

- a. Remove one screw holding the power supply to the bottom of the chassis.
- b. Remove the two screws holding the power supply to the back of the chassis
- c. Remove the power supply from the chassis by lifting up and out.
- d. Discard the Power Supply and Screws into the appropriate Recycle Bin**

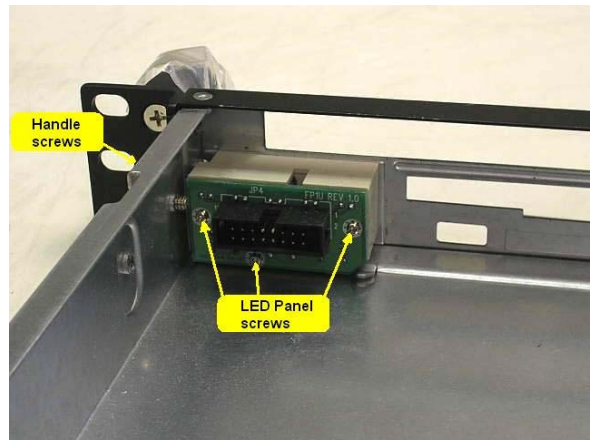


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18. Removal of the motherboard requires a #2 Phillips screw driver.
- a. Ensure that all cables and connectors to the motherboard have been removed.
  - b. Remove the 7 screws from the motherboard.
  - c. Remove the motherboard by sliding it towards the front of the unit to disengage it from the rear panel, and then lift the motherboard up and out.
  - d. **Discard the Motherboard and screws into the appropriate Recycle Bin**



19. Removal of the LED Panel requires a #1 Phillips screw driver.
- a. Remove the screws holding the Front Panel to the front of the unit.
  - b. Pull the Front Panel out of the unit.
  - c. **Discard the Front Panel and Screws into the appropriate Recycle Bin.**



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Fully Disassembled Unit

**DISCARD THE FULLY DISASSEMBLED UNIT IN THE APPROPRIATE RECYCLE BIN.**



<b>Recycling/Material Code</b>	<b>Important Information</b>
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<b>Material /Components, which must be removed and treated separately</b>	
Lithium Battery	Battery free of hazardous substances, installed in socket on the motherboard
Printed circuit boards	Motherboard, DIMMs, PCI card, PCI riser, Power Supply, Front Panel
Drives	Hard Drives and DVD ROM
<b>Material /Components, which can disturb certain recycling processes</b>	
Aluminum	Heat Sink, Mounting Ears
<b>Material /Components, through which benefits can normally be achieved</b>	
Cold Rolled Steel	Access cover, chassis bottom, chassis rear panel, Bezel
* ABS	Pushbuttons, Air Shroud
Cables	Distributed in device, & power cord
Other	Blowers
<b>Special notes</b>	
* Flame retardant of plastics <b>do not</b> contain PBB and PBDE.	

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### Annex A

Producer:	<company name, other on addressing the producer>
Scope of information sheet:	< product category as in Annex IA of WEEE Directive, or type of equipment as in Annex 1B of WEEE Directive, or producer's Product Family, or single products identified by brand and model name >

Component or Material	Remarks / Location
Battery (internal *) containing Mercury (Hg)/ NiCad/Lithium/ Other	<b>Lithium battery ↓ located on the motherboard</b>
Backlighting lamps of LCD/TFT or similar screens containing Mercury (Hg)	<b>NONE</b>
Mercury (Hg) in other applications**	<b>NONE</b>
Cadmium**	<b>NONE</b>
Gas discharge lamps	<b>NONE</b>
Plastic containing brominated flame retardants other than in Printed Circuit Assemblies ***	<b>NONE</b>
Liquid Crystal Displays with a surface greater than 100 cm <sup>2</sup>	<b>NONE</b>
Capacitors with PCB's	<b>NONE</b>
Capacitors with substances of concern**** + height > 25 mm, diameter > 25 mm or proportionately similar volume	<b>NONE</b>
Asbestos	<b>NONE</b>
Refractory ceramic fibres	<b>NONE</b>
Radio-active substances	<b>NONE</b>
Beryllium Oxide	<b>NONE</b>
Other forms of Beryllium	<b>BE-CU in some connector contacts ↓</b>
Gasses - which fall under Regulation (EC) 2037/2000 and all hydrocarbons (HC).	<b>NONE</b>
Components with pressurised gas which need special attention (Pressure > 1,5 bar) *****	<b>NONE</b>
Liquids ***** if volume > 10 cl (or equivalence in weight, e.g. for PCB, oil...)	<b>NONE</b>
Mechanical components that store mechanical energy (i.e. springs) or equivalent parts which need special attention ***** (diameter > 10 mm and height > 25 mm or proportionally similar volume and expanding)	<b>NONE</b>
PBDE (deca- & octa-BDE) and Perfluorocatane sulfantes (PFOS) in Directive 2006/122/EC	<b>NONE</b>

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↓ = arrow indicates the need for the location of the compartment/ substances within the product. When the location of a substance/ components is requested, it is at part level, e.g. main board, housing etc

\* Internal means that batteries can only be removed by opening the product by means of (a) tool(s).

\*\* Substances are considered to be in the product if present above the levels specified in Commission Decision 2005/618/EC related to Directive 2002/95/(EC) (RoHS Directive) or if their use is permitted through exemptions in the Annex of Directive 2002/95(EC)

\*\*\* To be coherent with industry current standards and practices on tracking of plastic parts, Directive 2002/96 (EC) Annex II requirement is understood to focus on plastic parts that weight more than 25 g.

\*\*\*\* Substance of concern other than PCB, to be specified/ addressed further in the context of Directive 2002/96 (EC) Annex II national requirements and European developments

\*\*\*\*\* Needs of equivalent nature as those for maintenance, service manuals and installation for safety purposes.