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Title: <b>Unit Disassembly for WEEE</b>			
Document Number / Disk File: <b>597-786-1181-00</b>	By: Jegan Easwaram	Current Rev: 0A	Date: 11/7/2012
Assemblies Covered: <b>D-2000 (786-1181-00)</b>			



<b>Revision</b>	<b>Date</b>	<b>ECO #</b>	<b>Revised By</b>	<b>Description of Changes</b>
0A	11/7/12	E03601	Jegan Easwaram	Initial Release


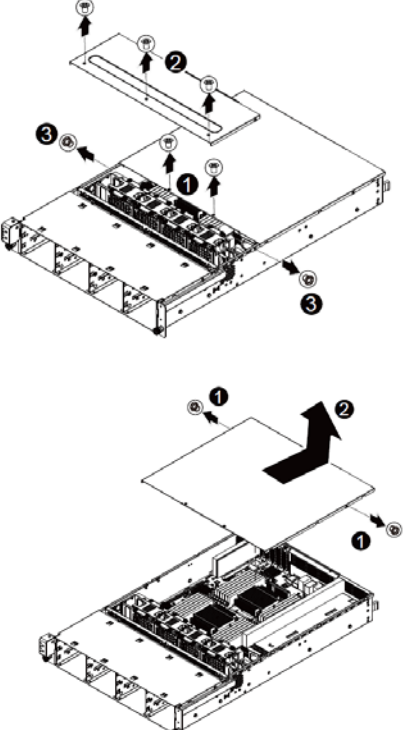
**Tools Required:**

- #2 Phillips Screwdriver

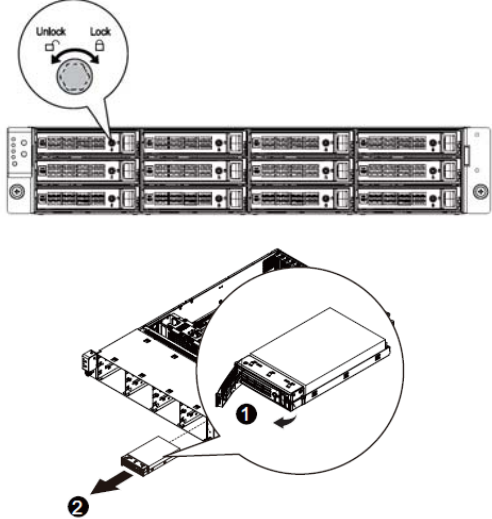
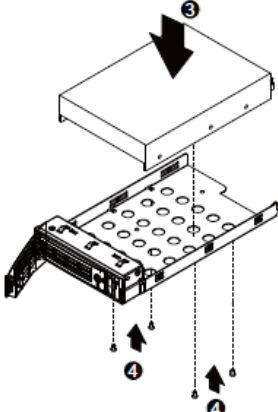
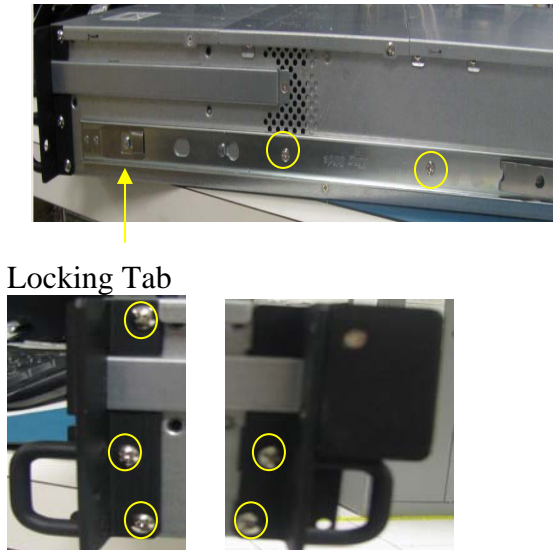
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**NOTE: Disconnect any DC Power Cords attached to the power supplies before disassembly of the unit.**

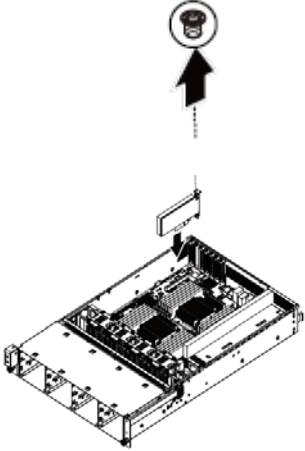
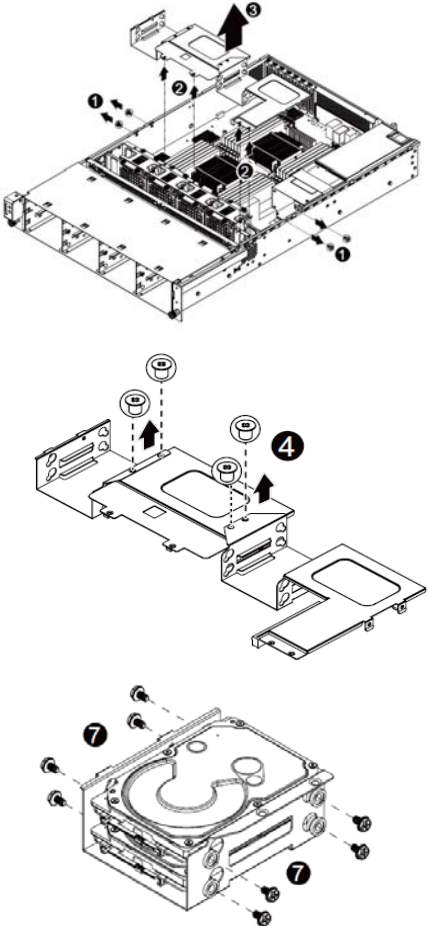
*Images shown are representative of product and may vary depending on actual configuration.*

1.	<p>Removal of the front bezel (if present) and any labels on the chassis does not require and tools.</p> <ol style="list-style-type: none"> <li>a. Put the finger in the right side of the bezel, and pull off.</li> <li>b. Peel off any labels on the chassis.</li> <li>c. <b>Discard the bezel and labels into the appropriate Recycle Bin.</b></li> </ol>	
2.	<p>Removal of the top access cover requires a #2 Phillips screw driver</p> <ol style="list-style-type: none"> <li>a. Loosen and remove the screws securing the middle cover.</li> <li>b. Remove the middle top cover from the system</li> <li>c. Loosen and remove the screws securing the back cover</li> <li>d. Slide the cover horizontally to the back and remove the back cover in the direction of the arrow</li> <li>e. Remove any labels from the chassis and access cover.</li> <li>f. <b>Discard Sheet Metal Cover, screws, and Labels into the appropriate Recycle Bin</b></li> </ol>	

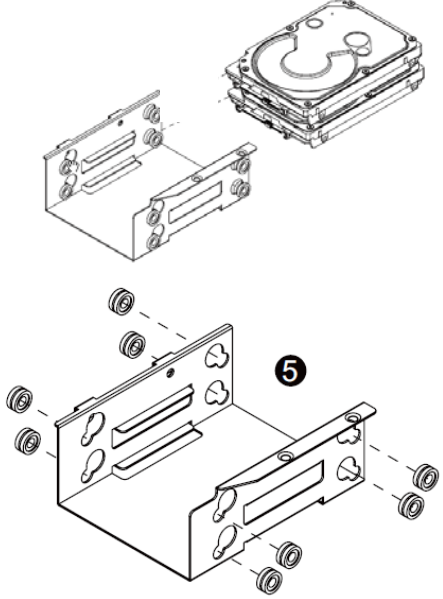
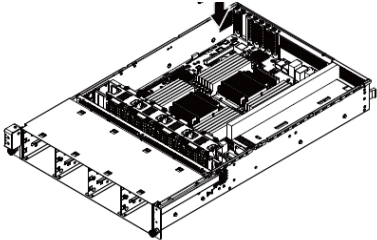
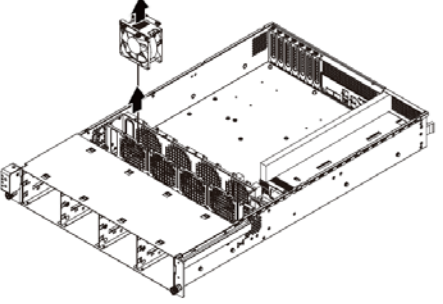
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<p>3.</p> <p>Removal of the HDD and drive tray from the chassis requires a security key (provided with ship kit) if locked</p> <ol style="list-style-type: none"> <li>a. Turn the security screw counter clock-wise toward the Unlock symbol</li> <li>b. Press the release button and pull the locking lever to remove the HDD tray. Repeat for the other HDD's.</li> </ol>	
<p>4.</p> <p>Removal of the HDD from the HDD tray requires a #2 Phillips screw driver</p> <ol style="list-style-type: none"> <li>a. Remove the 4 screws securing the HDD to the HDD tray and separate the HDD from the tray.</li> <li>b. <b>Discard the HDD, HDD tray, and Screws into the appropriate Recycle Bin.</b></li> </ol>	
<p>5.</p> <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 four screws, two on each side, pull the locking tab and slide the rails toward front to remove rails.</li> <li>b. Remove the three screws on one side and two screws on the other side of the mounting ears.</li> <li>c. <b>Discard the Metal Rails, ears and Screws into the appropriate Recycle Bin.</b></li> </ol>	 <p>Locking Tab</p>

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6.	<p>Removal of the PCI card(s) (if installed) requires a #2 screwdriver.</p> <ol style="list-style-type: none"> <li>a. Remove the screw(s) securing the PCI card assembly</li> <li>b. Pull the PCI card away from the chassis</li> <li>c. <b>Discard the PCI card, and Screws into the appropriate Recycle Bin.</b></li> </ol>	
7.	<p>Removal of the internal 2.5 inch HDD's and bracket (if installed) requires a #2 screwdriver.</p> <ol style="list-style-type: none"> <li>a. Disconnect all the cables</li> <li>b. Loosen and remove the screws securing the HDD cage bracket</li> <li>c. Remove the HDD cage bracket from the system</li> <li>d. Loosen and remove screws securing the HDD cage</li> <li>e. Loosen and remove the screws securing the HDD</li> </ol>	

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	<p>f. Slide the HDD(s) out of the HDD cage  g. Remove the rubber from the HDD cage  h. <b>Discard the bracket, HDD, HDD cage, and screws into the appropriate Recycle Bin</b></p>	
<p>8.</p>	<p>Removal of the Motherboard cable connections does not require any tools.</p> <p>a. Disconnect the front panel cable.  b. Disconnect the fan connectors.  c. Disconnect the drive cable.  d. Disconnect the USB cable connector.  e. Disconnect the power cables from the mother board.</p>	
<p>9.</p>	<p>Removal of the fans does not require any tools.</p> <p>a. Disconnect the fan connector  b. Lift up the fan assembly from the chassis  c. <b>Discard the fans into the appropriate Recycle Bin.</b></p>	

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10.	<p>Removal of the HDD backplane/bracket requires a #2 Phillips screw driver. Removal of the backplane cable connections does not require any tools.</p> <ol style="list-style-type: none"> <li>a. Disconnect all the cables</li> <li>b. Loosen and remove the screws securing the backplane board bracket</li> <li>c. Remove the backplane board bracket as illustration arrow show.</li> <li>d. Loosen and remove the screws securing the backplane</li> <li>e. <b>Discard the Cables, backplane, bracket, and screws into the appropriate Recycle Bin.</b></li> </ol>	
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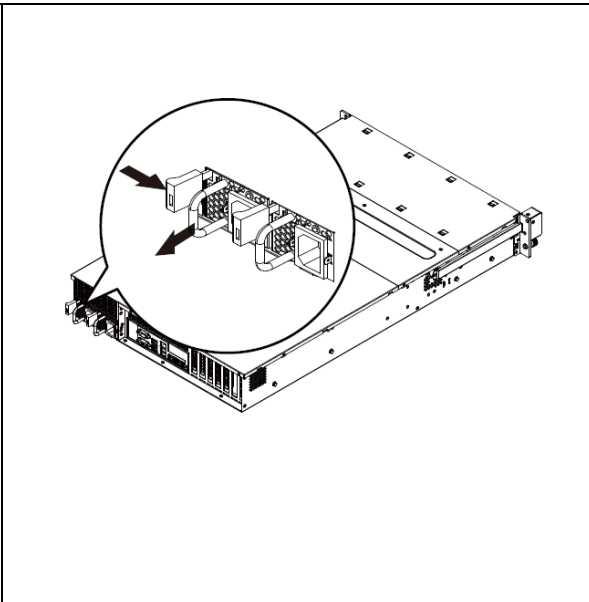
11.	<p>Removal of the Heat Sink requires a #2 Phillips screw driver.</p> <ol style="list-style-type: none"> <li>a. Disconnect the fan from the motherboard</li> <li>b. Unscrew each of the 4 screws on the corners of the heat sink (counter clock-wise)</li> <li>c. Pull the Heat Sink upwards to remove it, exposing the CPU.</li> <li>d. Remove the fan(s) from the heat sink</li> <li>e. <b>Discard the Heat Sink(s) and fan(s) into the appropriate Recycle Bin.</b></li> </ol>	
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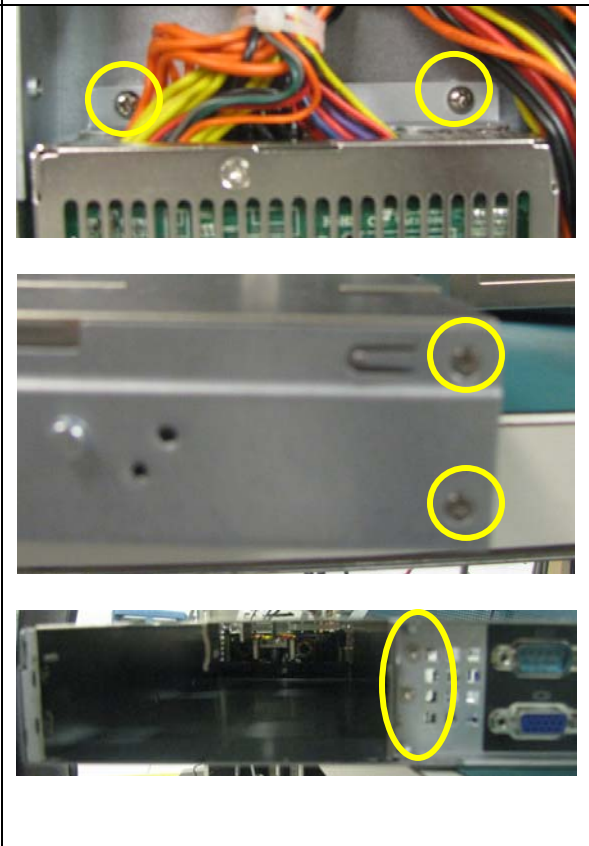
12.	<p>Removal of the CPU(s) does not require any tools. Perform the steps 4, 3, 2, 1 and opposite of the pointing arrows</p> <ol style="list-style-type: none"> <li>a. Lift the CPU latch out and up to unfasten the CPU.</li> <li>b. Carefully pick up the CPU on both sides and lift it off the board.</li> <li>c. <b>Discard the CPU into the appropriate Recycle Bin</b></li> </ol>	
15.	<p>Removal of the Memory DIMMs from the motherboard does not require any tools.</p> <ol style="list-style-type: none"> <li>a. Remove each of the Memory DIMMs by opening the two latches, one on each end of the DIMM connector. Lift memory DIMM straight out to remove.</li> <li>b. <b>Discard the Memory DIMMs into the appropriate Recycle Bin.</b></li> </ol>	
16.	<p>Removal of Lithium Battery from the motherboard does not require any tools.</p> <ol style="list-style-type: none"> <li>a. Remove the coin style Lithium Battery.</li> <li>b. <b>Discard the Lithium Battery into the appropriate Recycle Bin.</b></li> </ol> <p style="text-align: center;"><b>*** CAUTION ***</b></p> <p><b>Care should be observed when disposing of the battery to avoid shorting it!</b></p>	

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17. Removal of the power supplies does not require any tools.
- a. Press the retaining clip to the right side of the power supply and pull the power supply handle
  - b. **Discard the Power Supply(s) into the appropriate Recycle Bin**



18. Removal of the PDB cage requires a #2 Phillips screw driver.
- a. Remove six screws securing the PDB cage to the chassis
  - b. Remove the PDB cage from the chassis

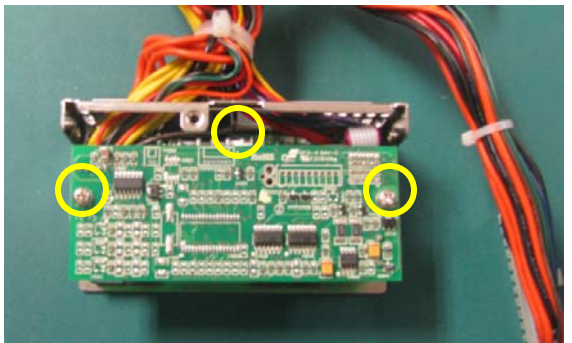
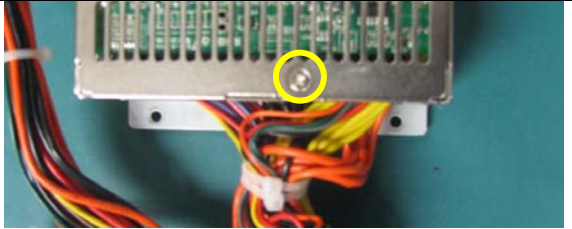




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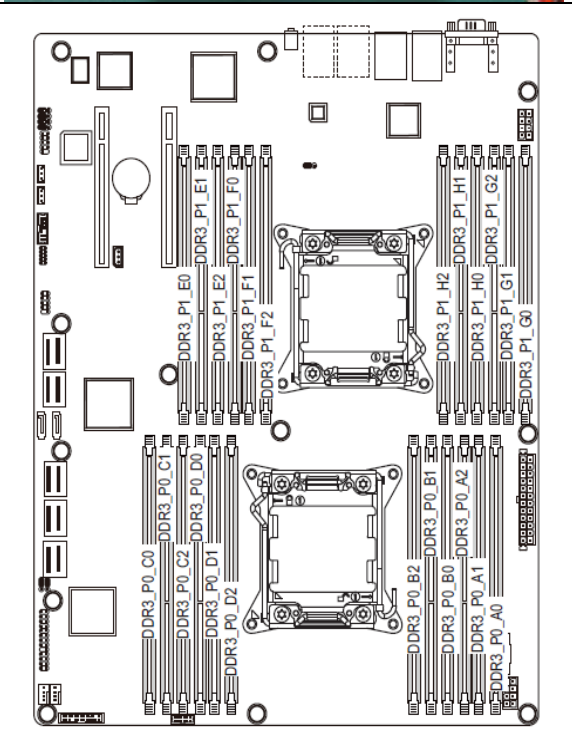
19. Removal of the PDB cage and PDB requires a #2 Phillips screw driver.

- Remove five screws from the PDB cage, one screw on top and two screws on both sides
- Remove three screws securing the PDB to the cage
- Remove the PDB
- Discard the PDB cage, PDB, and screws into the appropriate Recycle Bin**

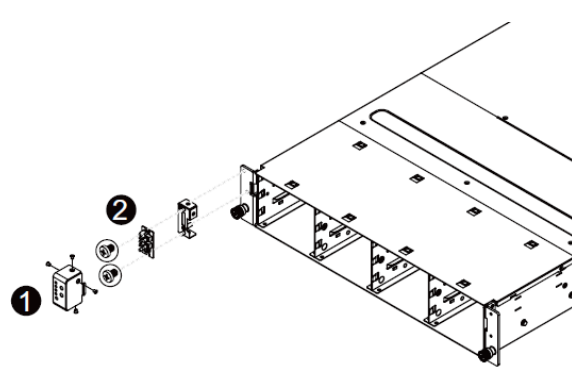


18. Removal of the motherboard requires a #2 Phillips screw driver.

- Ensure that all cables and connectors to the motherboard have been removed.
- Remove the 12 screws from the motherboard.
- 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.
- Discard the Motherboard and screws into the appropriate Recycle Bin**



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19.	<p>Removal of the Front Panel requires a #2 Phillips screw driver.</p> <ol style="list-style-type: none"> <li>a. Remove the screws securing the Front Panel cover.</li> <li>b. Remove the screws securing the Front Panel cover.</li> <li>c. Disconnect the cable</li> <li><b>d. Discard the Front Panel, cables and Screws into the appropriate Recycle Bin.</b></li> </ol>	
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**DISCARD THE FULLY DISASSEMBLED UNIT IN THE APPROPRIATE RECYCLE BIN.**

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Recycling/Material Code	Important Information
<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.