Product End-of-Life Disassembly Instructions

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

NOTE: Recyclers should sort plastic materials into resin streams for recycling based on the ISO 11469 plastic marking code on the plastic part. For any questions on plastic marking, please contact HP’s Sustainability Contact.

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.

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Notes</th>
<th>Quantity of items included in product</th>
</tr>
</thead>
<tbody>
<tr>
<td>Printed Circuit Boards (PCB) or Printed Circuit Assemblies (PCA)</td>
<td>With a surface greater than 10 sq cm interface BD, power BD, osd key BD</td>
<td>3</td>
</tr>
<tr>
<td>Batteries, excluding Li-Ion batteries.</td>
<td>All types including standard alkaline, coin or button style batteries</td>
<td></td>
</tr>
<tr>
<td>Li-Ion batteries. Include all Li-Ion batteries if more than one is provided with the product (such as a detachable notebook keyboard battery, RTC coin cell, etc.)</td>
<td>Battery(ies) are attached to the product by (check all that apply with an “x” inside the “[ ]”): [ ] screws [ ] snaps [ ] adhesive [ ] other. Explain. NOTE: Add detailed removal procedures including required tools in the sections 3.1/3.2.</td>
<td></td>
</tr>
<tr>
<td>Mercury-containing components</td>
<td>For example, mercury in lamps, display backlights, scanner lamps, switches, batteries</td>
<td></td>
</tr>
<tr>
<td>Liquid Crystal Displays (LCD) with a surface greater than 100 sq cm</td>
<td>Includes background illuminated displays with gas discharge lamps panel</td>
<td>1</td>
</tr>
<tr>
<td>Cathode Ray Tubes (CRT)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Capacitors / condensers (Containing PCB/PCT)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electrolytic Capacitors / Condensers measuring greater than 2.5 cm in diameter or height</td>
<td></td>
<td></td>
</tr>
<tr>
<td>External electrical cables and cords</td>
<td>DC Cable for External Power Supply power cord, VGA cable</td>
<td>2</td>
</tr>
<tr>
<td>Gas Discharge Lamps</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plastics containing Brominated Flame Retardants weighing &gt; 25 grams (not including PCBs or PCAs already listed as a separate item above)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Components and parts containing toner and ink,</td>
<td>Include the cartridges, print heads, tubes, vent</td>
<td></td>
</tr>
<tr>
<td>Item Description</td>
<td>Notes</td>
<td></td>
</tr>
<tr>
<td>------------------</td>
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<td></td>
</tr>
<tr>
<td>including liquids, semi-liquids (gel/paste) and toner</td>
<td>chambers, and service stations.</td>
<td></td>
</tr>
<tr>
<td>Components and waste containing asbestos</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Components, parts and materials containing refractory ceramic fibers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Components, parts and materials containing radioactive substances</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 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.

<table>
<thead>
<tr>
<th>Tool Description</th>
<th>Tool Size (if applicable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description #1 SCREW DRIVER (PHILLIPS HEAD)</td>
<td>#1</td>
</tr>
<tr>
<td>Description #2 SCREW DRIVER (WASHER HEAD)</td>
<td>#2</td>
</tr>
</tbody>
</table>

### 3.0 Product Disassembly Process

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

1. Remove cable from Display head
2. Remove Stand Base From Display Head
3. Remove Rear Cover From Display Head
4. Remove Acetate Tape and EMI From Display Head
5. Remove LED Cable, Interface Cable and Osd Cable From Display Head
6. Remove Bracket Assy From Display Head
7. Remove Panel Assy From Display Head
8. Remove Interface BD and Power BD From Bracket Assy
9. Remove Base and Rubber From Stand ASSY
10. Remove Hinge From Stand Assy
11. Remove Wall Mount From Rear Cover
12. Disassemble Panel Assy
V220 Disassemble Process

Prepare By: Jess Yang
Date: 2018/05/24
1. Remove Cable From Display Head

1. Remove cable from display head
2. Remove Stand Base From Display Head

2. Push the red point

3. Remove stand base assembly
3. Remove Rear Cover From Display Head

4. Release the three screw from rear cover

5. Pull up front cover

6. Pull up rear cover

7. Remove rear cover
4. Remove Acetate Tape And EMI From Display Head

8. Remove acetate tape and EMI
5. Remove Cable From Display Head

9. Remove LED, OSD and interface cable
6. Remove Bracket Assembly From Display Head

10. Remove bracket assembly
7. Remove Panel Assembly From Display Head

11. Remove panel assembly
8. Remove Interface And Power BD From Bracket Assembly

12. Release the six screw from bracket

13. Release the five screw from BD

14. Remove interface and power BD from
9. Remove Base And Rubber From Stand Assembly

15. Remove base and rubber
10. Remove Hinge From Stand Assembly

16. Release the four screw from stand

17. Remove hinge
11. Remove Wall Mount From Rear Cover

18. Remove wall mount
12. Disassemble Panel Assembly

1. Bare LCM
2. Step 1: Loosen the Screw (3 Points)
3. Step 2: Remove the C/Shield
4. Step 3: Detach the Black Tape (6 Points)
5. Step 4: Separate Board Ass’y + G/Panel
6. Step 5: Remove Optical material (Sheet + LGP + Reflector)
7. Step 6: Separate LGP holder from C/BOTTOM (4 Points)
8. Step 7: Separate C/Board from C/BOTTOM
9. Step 8: Separate LED Array from C/BOTTOM

19. Disassemble panel assembly
12. Disassemble Panel Assembly

Final: LED Array & C/Board & C/Bottom & LGP Holder

19. Disassemble panel assembly
Thank You !!!