



# Product End-of-Life Disassembly Instructions

Product Category: Notebooks and Tablet PCs

## Marketing Name / Model

[List multiple models if applicable.]

HP Spectre Laptop PC 13

**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 Mother board	1
Batteries	All types including standard alkaline and lithium coin or button style batteries Battery	1
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 LCD	1
Cathode Ray Tubes (CRT)		
Capacitors / condensers (Containing PCB/PCT)		
Electrolytic Capacitors / Condensers measuring greater than 2.5 cm in diameter or height		
External electrical cables and cords	Power cords, Adapter	2
Gas Discharge Lamps		
Plastics containing Brominated Flame Retardants weighing > 25 grams (not including PCBs or PCAs already listed as a separate item above)		
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.

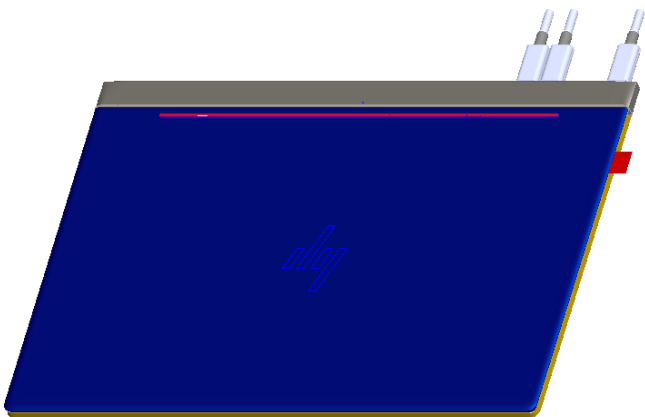
Tool Description	Tool Size (if applicable)
Description #1	Philip #1 / TORX T
Description #2	Philip #0 / TORX T
Description #3	Philip #00 / TORX T
Description #4	
Description #5	

## 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 Log Low
2. Remove battery pack
3. Remove SSD Module/PCB
4. Remove MB and Thermal module
5. Remove Speaker and TP module and audio PCB
6. Remove KB module
7. Remove Glass/Bezel
8. Remove Antenna and eDP cable
9. Remove LCD Cover
10. Remove Hinge R/L

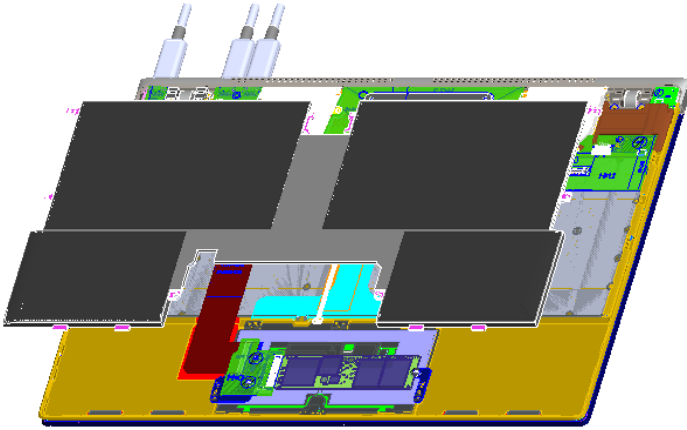
3.2 Optional Graphic. If the disassembly process is complex, insert a graphic illustration below to identify the items contained in the product that require selective treatment (with descriptions and arrows identifying locations).



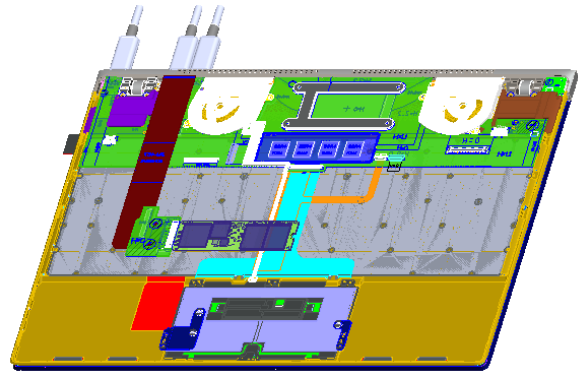
Step 1 Remove Rubber feet



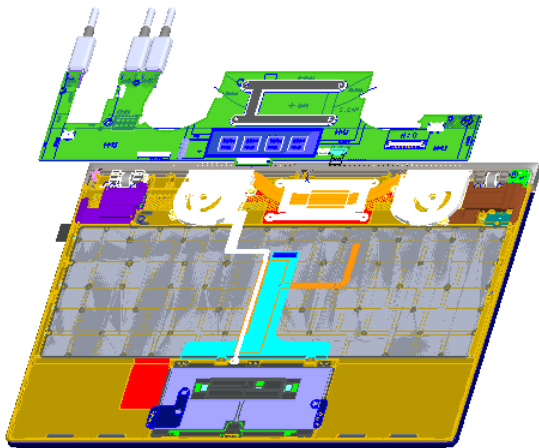
Step 2 Remove log low ASSY



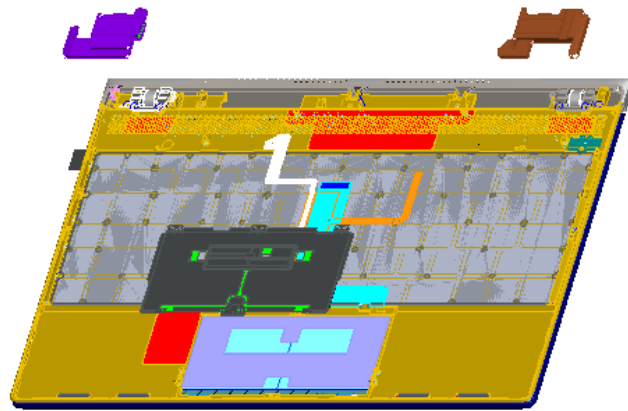
Step 3 Remove Battery Pack



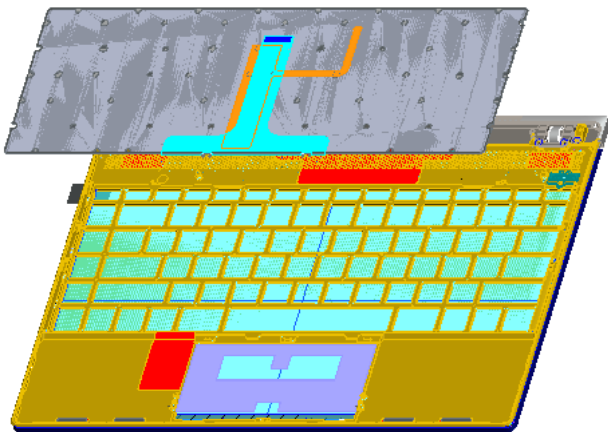
Step 4 Remove SSD Module/PCB



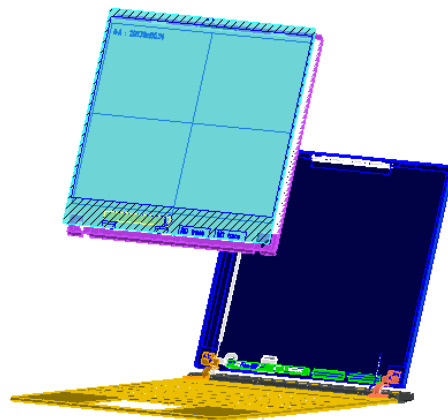
Step 5 Remove MB and Thermal module/PCB



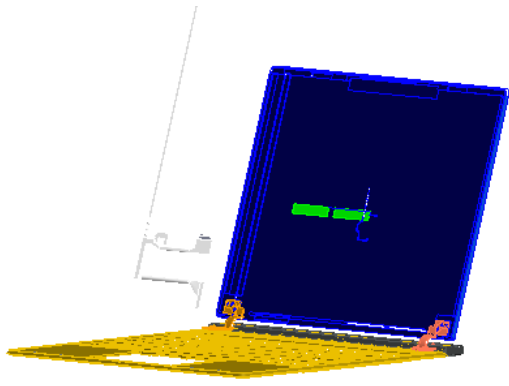
Step 6 Remove Speaker and TP module and audio PCB



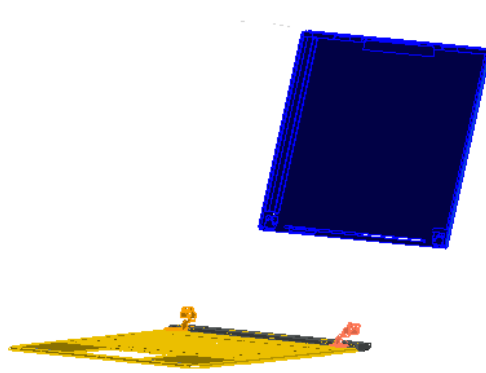
Step 7 Remove KB module



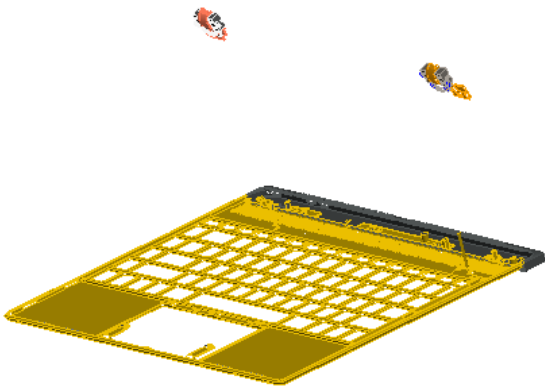
Step 8 Remove Glass/Bezel



Step 9 Remove LCD Cover



Step 10 Remove LCD Cover



Step 11 Remove Hinge R/L