



Product End-of-Life Disassembly Instructions

Product Category: Other Products

Marketing Name / Model

[List multiple models if applicable.]

HP Modular Cooling System G2 Rack

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 1 management module, 3 fan module, 1 water module, 4 in transfer switch, 1 display	10
Batteries	All types including standard alkaline and lithium coin or button style batteries	0
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	1 in each fan (6 total)	6
External electrical cables and cords		0
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
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)
Phillips screw driver	#2
Torx driver	T-10,T-15, T-25
Wrench	5mm, 7mm
Wire cutters	

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. Removing the PCBs: Open all doors. (1 in management module): Disconnect or cut the cables to the management module at the front of the cooling unit and slide the management module off the bracket. Open the management module with a T-15 Torx driver. Slide the pcb out of the management module. (1 in each fan module, 3 fan modules total): Slide all three fan modules out the rear off the bracket located between two fans. Disconnect or cut the cables to the fan modules and remove them out of the unit. Open the fan modules with a T-15 Torx driver. Slide the pcb out of the fan modules. (1 in water module): At the rear bottom of the unit disconnect or cut the cables to the water module and slide it off the bracket. Open the water module with a T-15 Torx driver. Slide the pcb out of the water module. (1 in display): At the inside of the cooling unit door cut the cable to the user display. With a 7 mm wrench remove the three nuts to remove the cover of the display and take it off while sliding the cable through the grommet. Push the clamps at top and bottom of the user display down and take the display out. (4 in transfer switch): At the front of the cooling unit disconnect or cut all cables that are connected to the transfer switch. Remove all four T-25 Torx screws to remove the transfer switch out of the unit. Cut all cables between the four pcb in the transfer switch. Using a Phillips screw driver remove the four screws of the pcb that sits on top of the second pcb that are together mounted to the bottom of the transfer switch. With a 7 mm wrench or socket wrench with ratchet remove the six screws of the second pcb. With a 5 mm wrench or socket wrench with ratchet remove the four nuts from each on the side mounted pcb and remove them.
2. Removing the Capacitors: Remove all six fans from the rear of the cooling unit. Disassemble each fan from its frame by removing one Phillips screw on the bottom and the 4 Phillips screws at the face plate. Remove the fan from the frame by disconnecting or cutting the cables off. Remove the screw at the bottom of the fan with a T-10 Torx driver and remove the cover of the capacitor. Disconnect or cut the cable off the capacitor and remove the capacitor.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.

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).

