



Product End-of-Life Disassembly Instructions

Product Category: Monitors and Displays

Marketing Name / Model
[List multiple models if applicable.]

HP Series 3 Pro 21.5 inch FHD Monitor – 322ph

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 Inc. products to remove components and materials requiring selective treatment, as defined by EU directive 2012/19/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 or identification of location of parts or components requiring selective treatment, please contact [HP's Sustainability Contact](#).

1.0 Items Requiring Selective Treatment

1.1 Items listed below are classified as requiring selective treatment. An "X" in the list of components and parts indicates the product contains the component or part requiring selective treatment

Item Description	Components and parts requiring selective treatments	Quantity of items included in product
Printed Circuit Boards (PCB) or Printed Circuit Assemblies (PCA) with a surface greater than 10 sq cm	☒ Main board (MB) PCB ☐ Solid state drive (SSD) PCB ☐ Wireless WAN module (WWAN) PCB ☐ Touch module PCB ☐ Power supply PCB ☐ External Keyboard (KB) ☐ External Mouse ☒ Others: <u>Display board</u>	2
Batteries, excluding Li-Ion batteries. This includes standard alkaline, coin or button style batteries	☐ RTC/CMOS battery ☐ Others: _____	0
Li-Ion batteries. Includes all Li-Ion batteries if more than one is provided with the product (such as a detachable notebook keyboard battery, etc.)	Li-ion battery(ies) are attached to the product by: ☐ screws ☐ snaps ☐ adhesive ☐ other. Explain _____	0
Mercury-containing components. For example, mercury in lamps, display backlights, scanner lamps, switches, batteries		0

Item Description	Components and parts requiring selective treatments	Quantity of items included in product
Liquid Crystal Displays (LCD) with a surface greater than 100 sq cm. Includes background illuminated displays with gas discharge lamps	☒ Panel LCD	1
Cathode Ray Tubes (CRT)		0
Capacitors / condensers (Containing PCB/PCT)		0
Electrolytic Capacitors / Condensers measuring greater than 2.5 cm in diameter or height	☒ Power Supply capacitor(s) or condenser(s)	1
External electrical cables and cords	☒ AC power cord ☒ HDMI RGB cables ☐ Other: _____	3
Gas Discharge Lamps		0
Plastics containing Brominated Flame Retardants (not including external electrical cables and cords, 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
Components containing chlorofluorocarbons (CFC), hydrochlorofluorocarbons (HCFC) or hydrofluorocarbons (HFC), hydrocarbons (HC)		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)
Screwdriver	Philip #0
Screwdriver	Torx T8
Heatgun	N/A
Suction cup	N/A

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.

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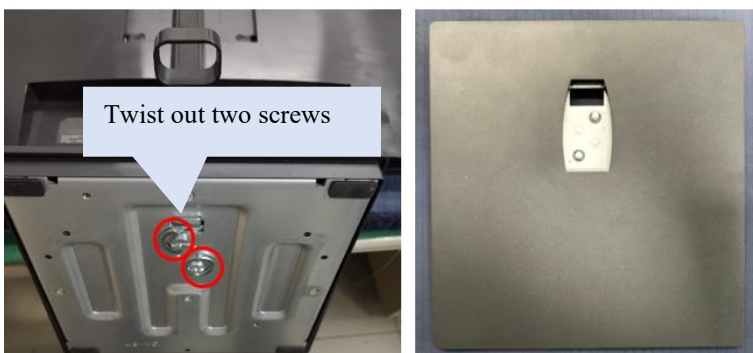
1. Remove all the cables.
2. Lay the display on soft desk and press the button of stand to unlock the stand, then pull out the stand from the monitor head.
3. Twist out the screw and separate base and stand.
4. Strip two screws from the rear cover, then move rear cover follow the below way
5. Remove the shielding al tape from the LVDS/ LED cable.
6. Remove the acetate tapes from the LVDS/ LED cable.
7. Pull out the LVDS/ LED cable to panel and MB.
8. Pull the LVDS/LED cable out of under the bracket
9. Strip four screws from the hinge.
10. Remove the sixteen screws from the back cover bracket and motherboard.

3.2 Location of components requiring selective treatment. The photos and/or graphics below identify the location of the parts or components requiring selective treatment within the main unit. For End-of-Life product disassembly instructions of external accessories including external power supply (EPS), external keyboard (KB) external mouse and external cables and cords, refer to the following URL: [End-of-Life Product Disassembly Instructions \(hp.com\)](http://hp.com)

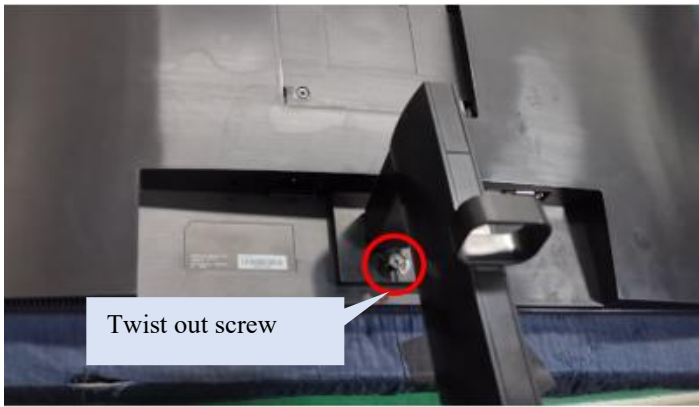
1. Remove all the cables.



2. Lay the display on soft desk · Twist out the screw and separate base and stand.



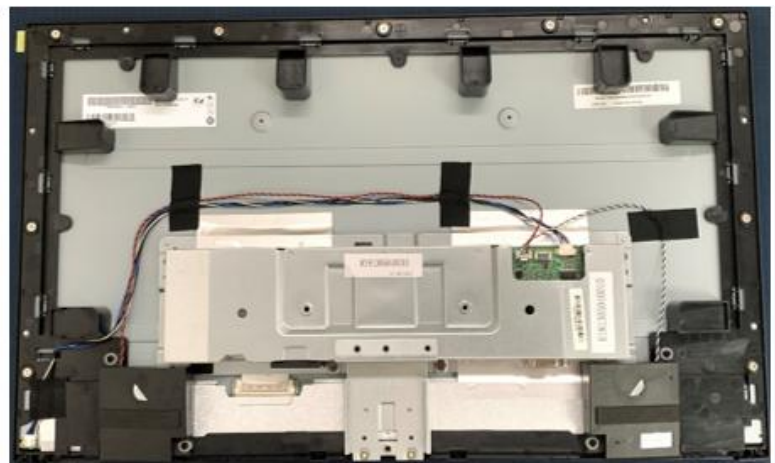
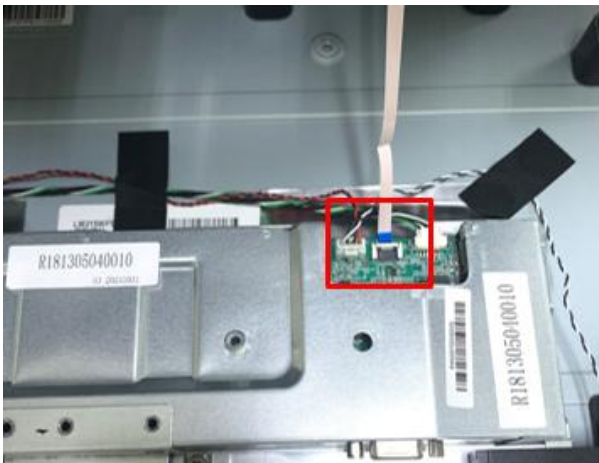
3. then pull out the stand form the monitor head.



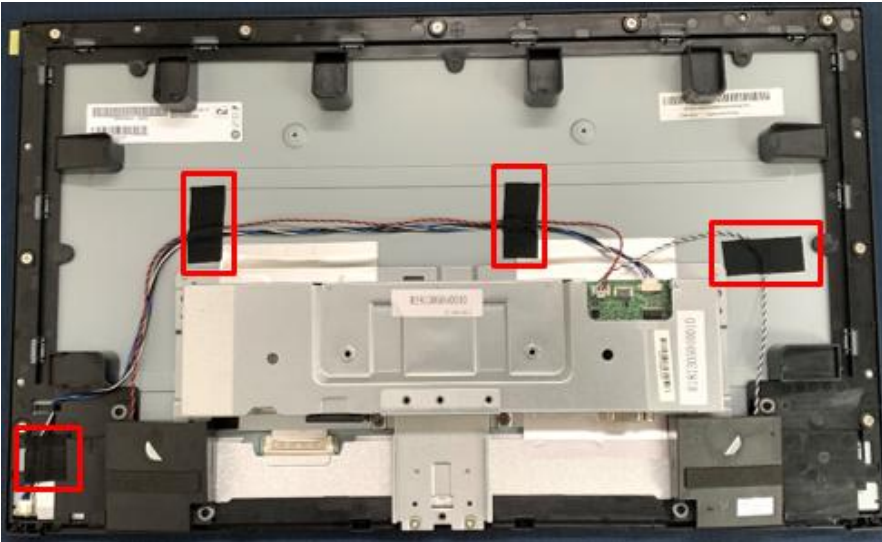
4. Remove the 6 screws from the back cover and use tools to open the back cover.



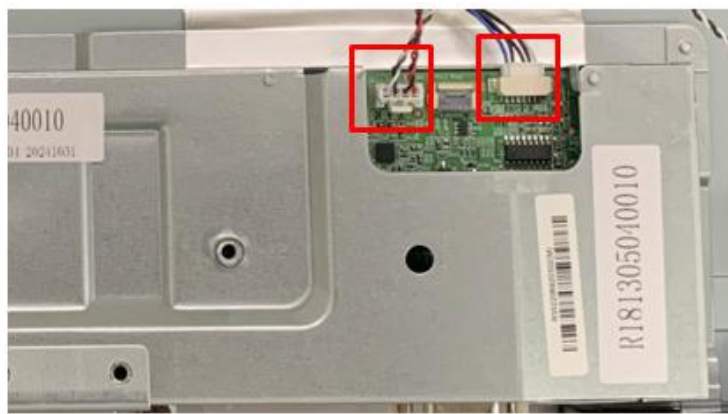
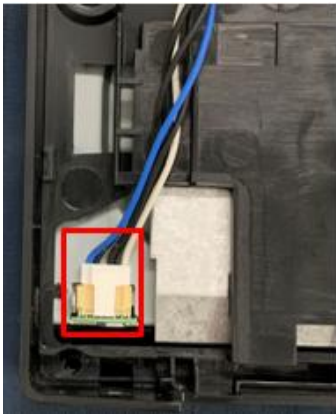
5 . Remove the 8pin FFC from main board then remove rear cover



6. Remove four acetate tapes from the SPK/ LED cable.



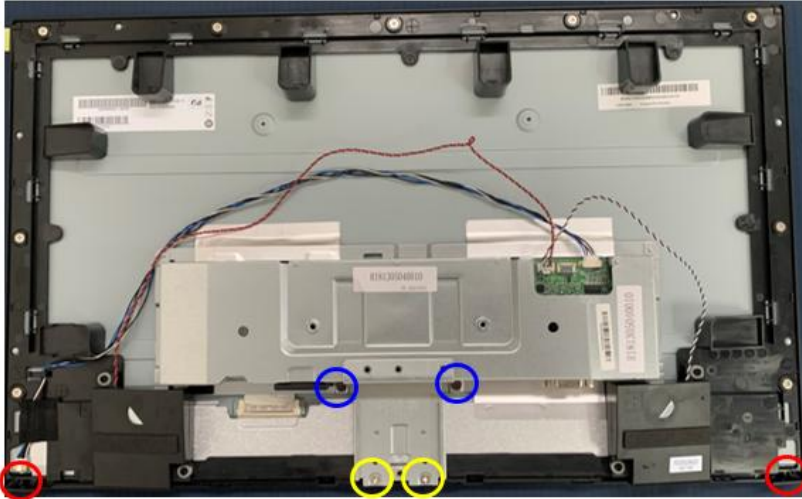
7. Pull out the LED/speaker cable to panel.



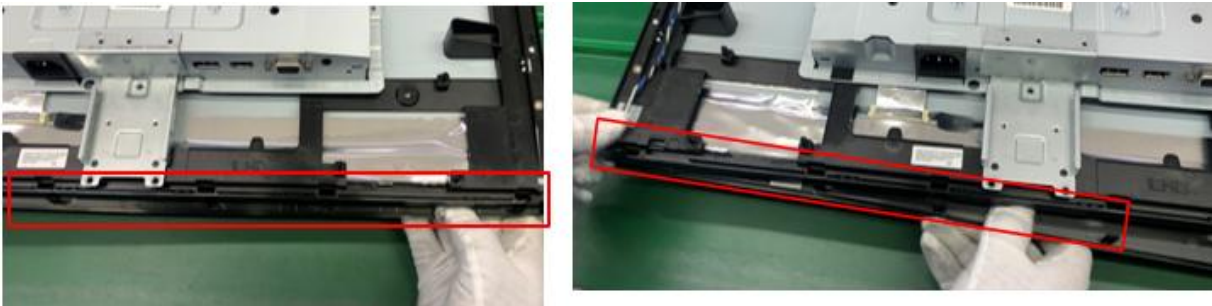
8. Then take off the SPK box.



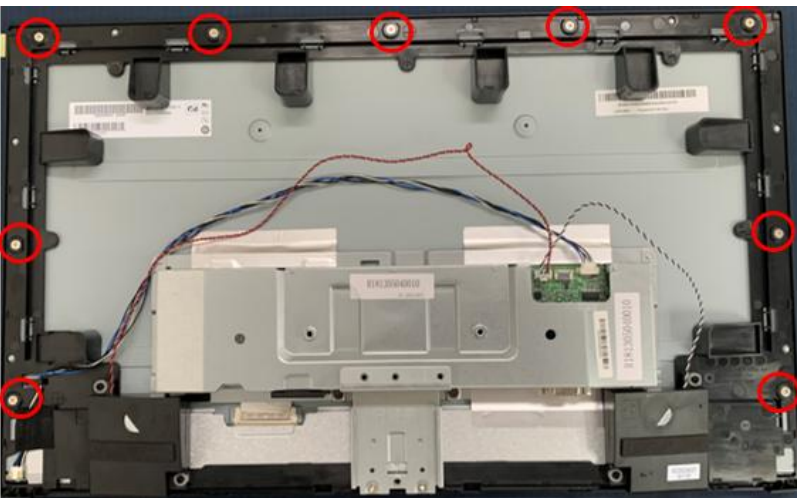
9. Strip six screws from the Deco and the shielding.



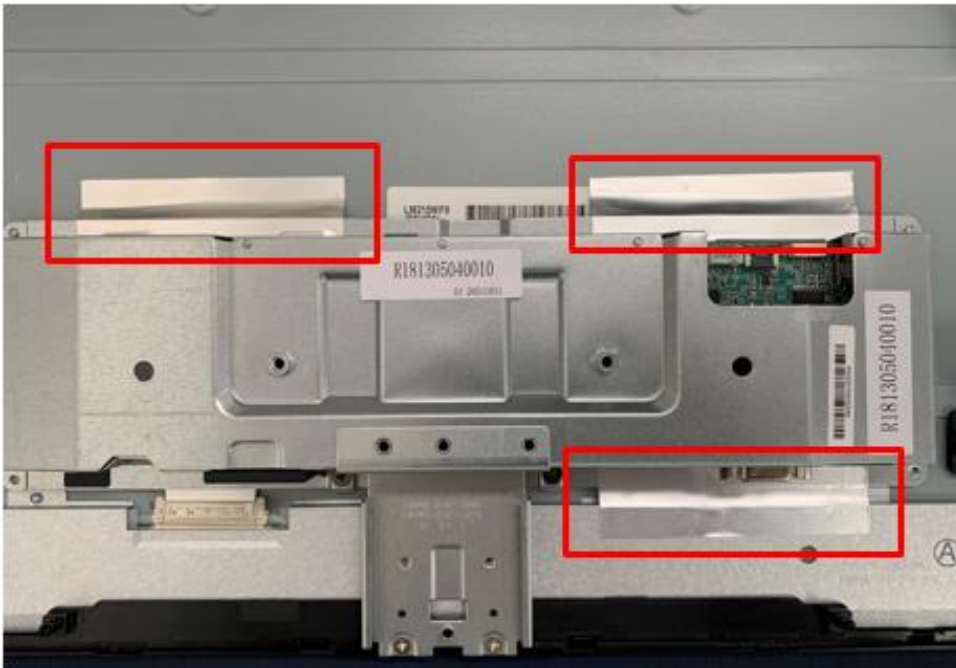
10. Remove the Deco.



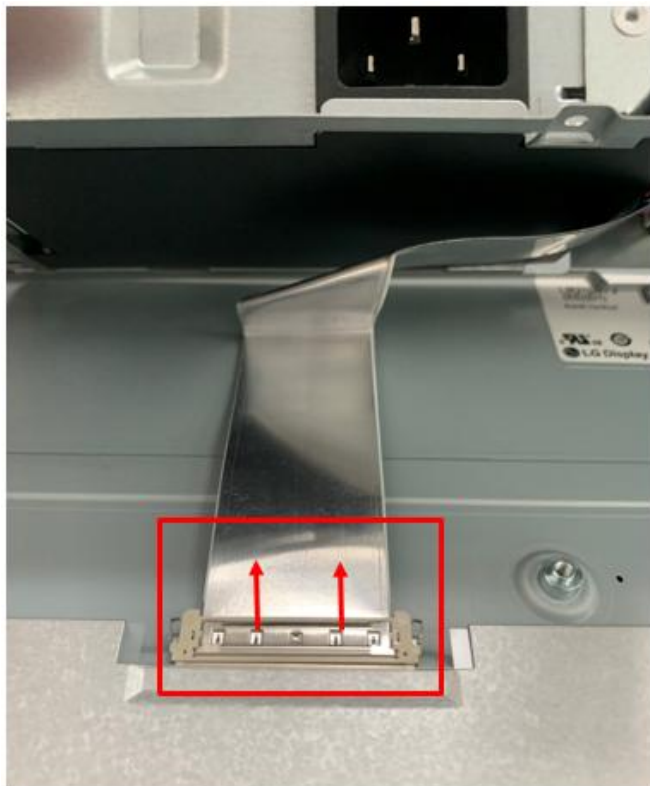
11. Strip nine screws from the middle frame.



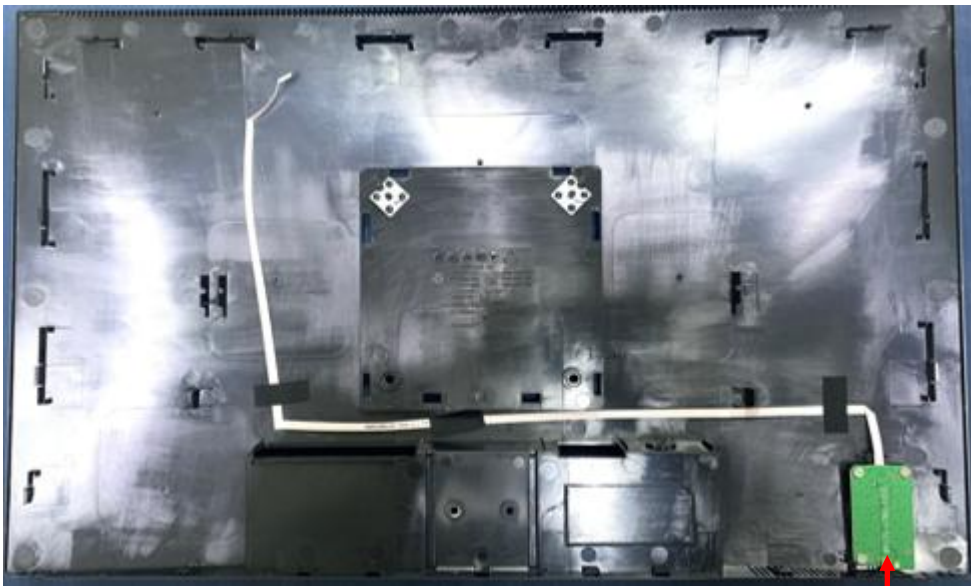
12. Remove the aluminum foil from the shield ,



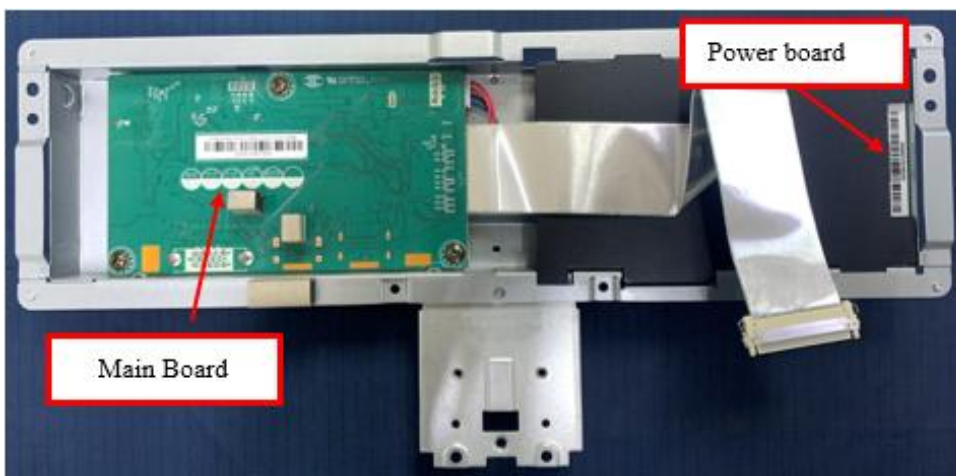
13. Pull out the LVDS cable to panel .



14. Remove the middle frame.



Display board



Main Board

Power board

