Product End-of-Life Disassembly Instructions

Product Category: Monitors and Displays
Marketing Name / Model [List multiple models if applicable.]
LCD 8500 TFT

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 Yes	7
Batteries	All types including standard alkaline and lithium coin or button style batteries No	0
Mercury-containing components	For example, mercury in lamps, display backlights, scanner lamps, switches, batteries No	0
Liquid Crystal Displays (LCD) with a surface greater than 100 sq cm	Includes background illuminated displays with gas discharge lamps Yes	1
Cathode Ray Tubes (CRT)	No	0
Capacitors / condensers (Containing PCB/PCT)	No	0
Electrolytic Capacitors / Condensers measuring greater than 2.5 cm in diameter or height	Yes	1
External electrical cables and cords	All electrical cables and cords supplied may not have been in use by customer. The quantity and type of cords used by the customer are dependant on how the customer chose to install and use the TFT8500	6
Gas Discharge Lamps	No	0
Plastics containing Brominated Flame Retardants weighing > 25 grams (not including PCBs or PCAs already listed as a separate item above)	No	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. No	0

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Components and waste containing asbestos	No	0
Components, parts and materials containing refractory ceramic fibers	No	0
Components, parts and materials containing radioactive substances	No	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)
Torx screwdriver	T8, T10, T15
Nut driver	3/16
Flat blade driver	

3.0 Product Disassembly Process

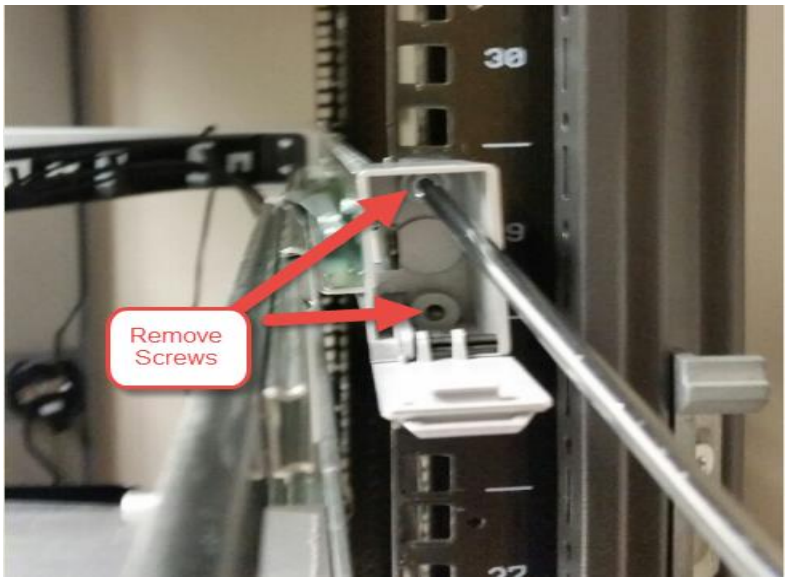
3.1 List the basic steps that should typically be followed to remove components and materials requiring selective treatment:

1. LDS Box Disassembly: Using a T15 Torx screwdriver, remove the screws (2 on each side) that secure the LDS plastic box Left side and then Right side. And then remove the LDS box. See picture #1
2. CMA Disassembly: Remove AC adapter from the cable management arm by pulling on the AC adapter to release the Velcro that is securing the AC adapter to the cable management arm. See picture #2
3. CMA Brace Disassembly: Using a T15 Torx screwdriver, remove the two screws that secure the plastic cable management arm to the metal cable management arm brace. See picture #3
4. Back tray & Clutch cover Disassembly: Using a T15 Torx screwdriver, remove the six screws that secure the plastic tray onto the chassis. Then pull up to take the Clutch cover and pull out for Back tray. See picture #4.
5. Palm rest Disassembly: Turn the TFT8500 updside down on a workbench and using a T15 Torx screwdriver, remove the 8 screws that secure the palm rest assembly to the system chassis and then using the T10 Torx screwdriver, remove the 4 screws that secure the keyboard. After removing all screws turn the TFT8500 right side up on the work bench and open the display assembly. Gently lift up the Palm rest assembly in the direction away from the display and lift it off of the system chassis. Note there will be a cable that will still be attached that connects the palm rest assembly to the Keyboard controller PCA of the TFT8500. Disconnect the touchpad cable from it. See picture #5.
6. Palm rest Disassembly: Turn the Palm rest updside down on a workbench and using a T10 Torx screwdriver, remove the 2 screws that secure the PCA Buttons TP onto the Palm rest and then disconnect the flat white ribbon cable from TouchPad PCA and Buttons TP PCA. See picture #6.
7. Palm rest disassembly: With palm rest assembly upside down on work bench, using the flat edge tool or screwdriver to pry the TouchPad PCA from the plastic Palm rest. Note that the touchpad assembly is secured to the plastic with adhesive. See picture #6
8. Palm rest disassembly: Remove the magnetic components on the middle top of Palm rest. See picture #7.
9. Display cable disassembly: Using a T10 Torx screwdriver, remove the screw that secures the display cable clip and display cable onto the video board cover. Unplug all the cables that are visible above the keyboard. See picture #8.
10. Display disassembly: Using a T15 Torx screwdriver, remove the screws that is securing each clutch to the base of the chassis. The display assembly can now be removed from the system chassis. See picture #9.
11. Front Bezel disassembly: Using a pointy tip to remove the screw cover on the front bezel and then using the T10 Torx screwdriver to remove all 4 screws, one of each corner. With a little force pull upward either side (left or right) of the plastic Front Bezel. See picture #10
12. Panel display disassmbly: Using a T10 Torx screwdriver, remove the 6 screws that secure the panel onto the Back Enclosure and also remove the clutch. Gentlely lift up the Panel from the plastic Enclosure. See picture #11
13. Panel display disassembly: Turn the Panel display on the side, using a T10 screwdriver, remove the 4 screws, 2 on each side. Remove the display bracket left & right, also tear off the aluminum shield sheet that cover the back of display panel. After remove the shield, remove the yellow tape and disconnect the display video cable. See picture # 12.

14. Enclosure disassembly: Using a T10 Torx screwdriver to remove 2 screws on PCA Botton OSD. Remove Kapton tapes and disconnect cables. Then using the blade crewdriver slide underneath pry up the LED PCA. See picture #13.
15. Keyboard PCA controller removal: Disconnect the cables and then using a T15 Torx screwdriver, remove 4 screws that secures the Keyboard PCA controller onto the chasis. See picture #14.
16. Keyboard, LED PCA removal: Unplug the cable. Using the T15 Torx screwdriver to unscrew those 2 screws that hold the PCA onto the chasis. See picture #15.
17. Base disassembly: Using a T15 Torx screwdriver, remove the 2 screws that secure the metal cover located above the keyboard. Remove the metal cover from the base assembly. See picture #16
18. Base disassembly:Using a T15 Torx screwdriver, remove the 5 screws that secure the Video PCA located above the keyboard. Using a "nut driver" remove the four screwlocks that secure connectors. Remove the PCA from the base assembly. See picture #17.
19. Keyboard removal: Using a flat blade driver pry up one corner and then remove the keyboard from the chasis . Notes the keyboard was assembled with a adhisve tape on the bottom. See picture #18.
20. Inner member removal: Turn the chasis on the side. Using the T15 Torx screwdriver to remove the screws on the side, two screws on each side. See picture #19.
21. Remove all labels that are present.

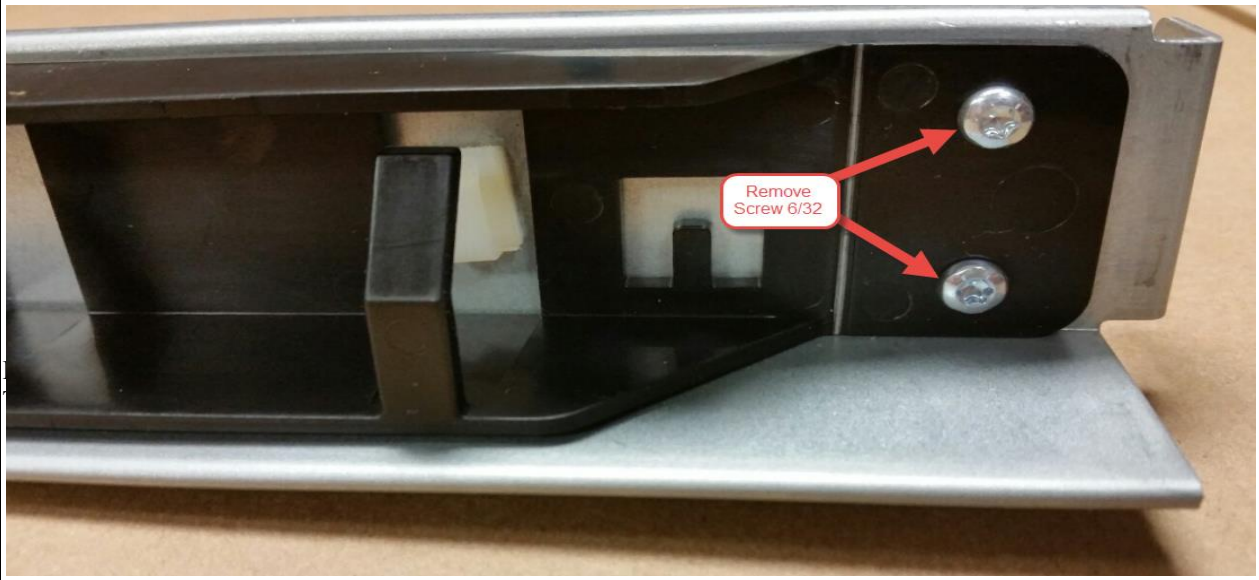
3.2 Optional Graphic. If the disassembly process is complex, insert a graphic illustration below to identify the items contained in the product that require selective treatment (with descriptions and arrows identifying locations).

Picture #1: LDS Box disassembly

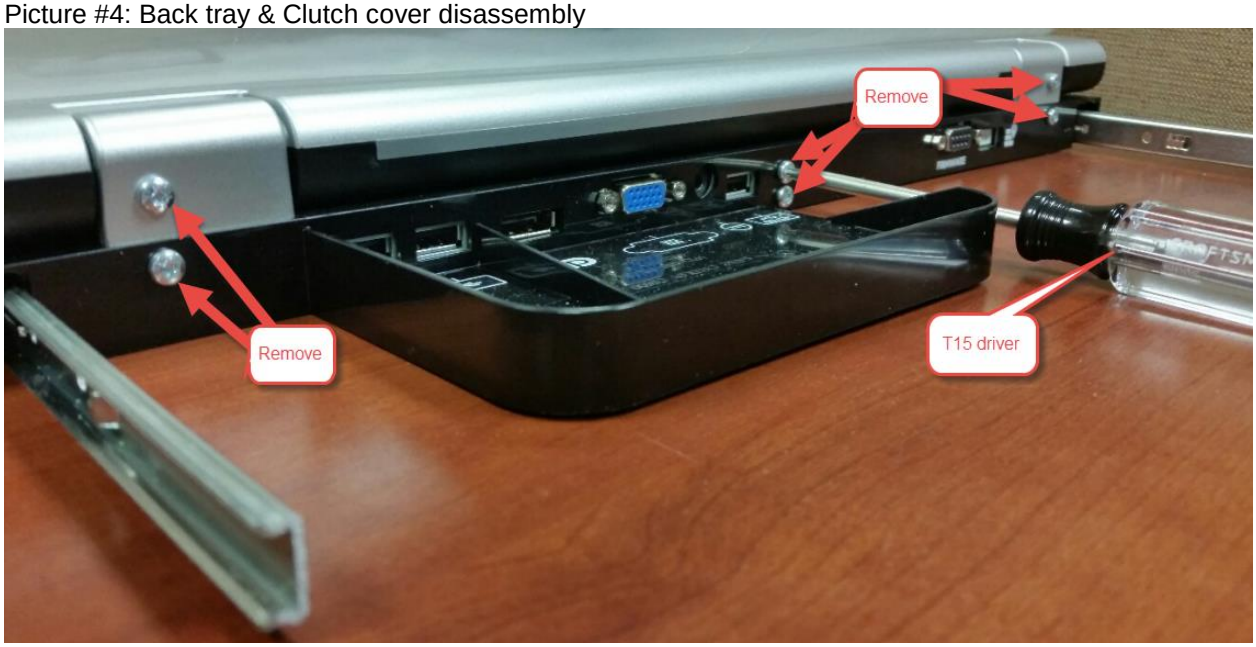


Picture #2: AC Adapter disassembly

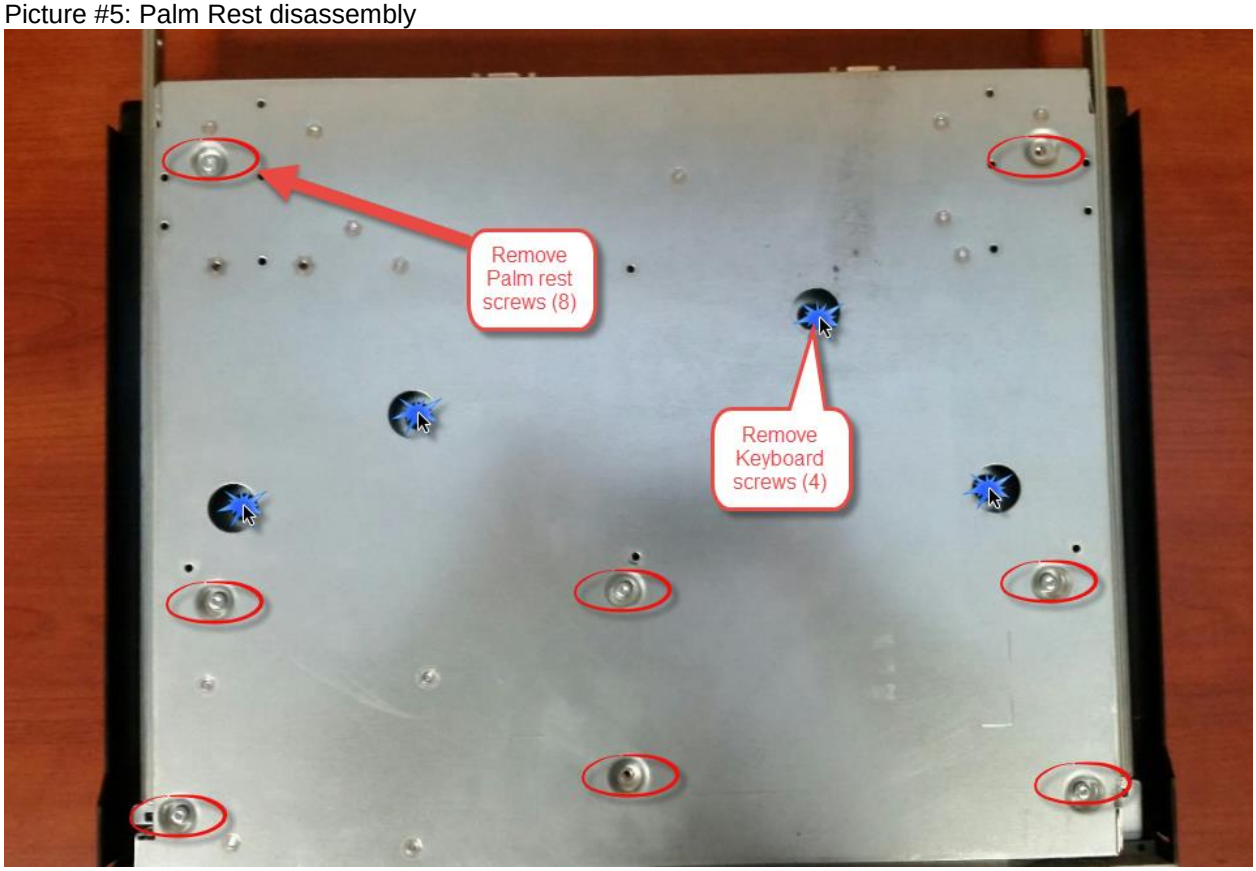
Picture #3: CMA brace disassembly



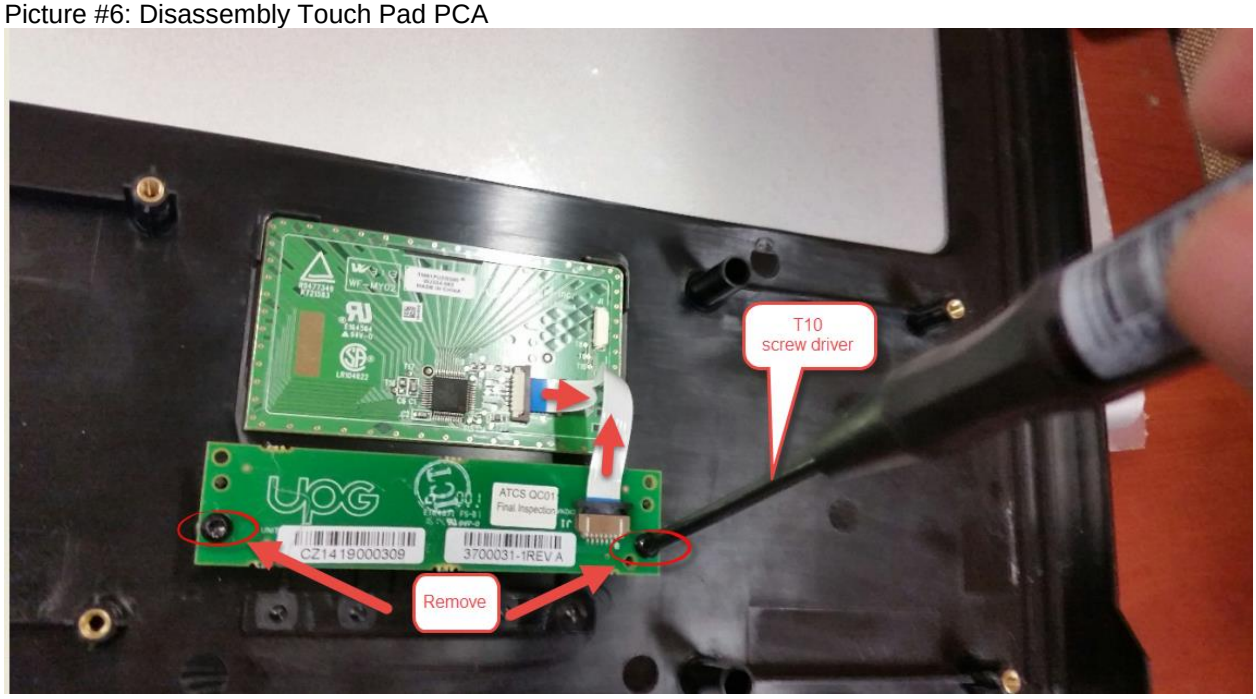
Picture #4: Back tray & Clutch cover disassembly



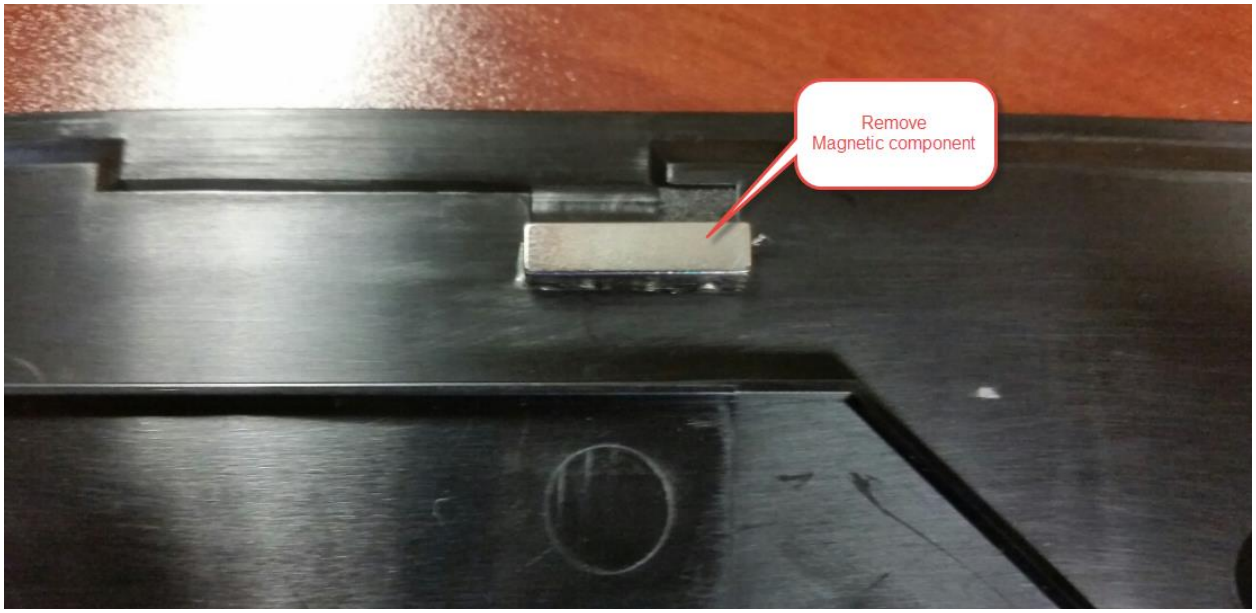
Picture #5: Palm Rest disassembly



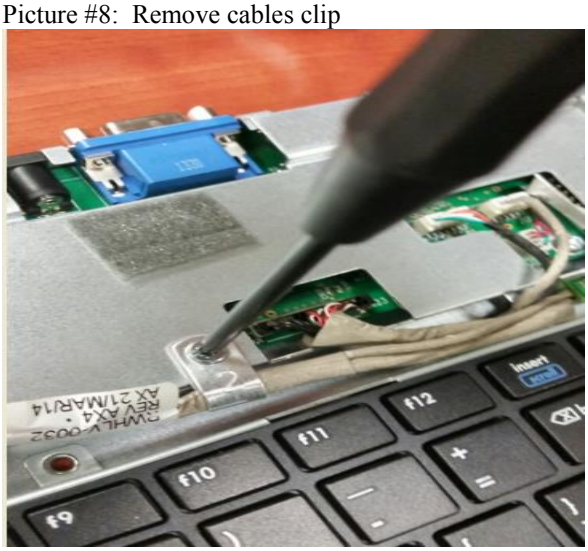
Picture #6: Disassembly Touch Pad PCA



Picture #7: Remove Magnetic components

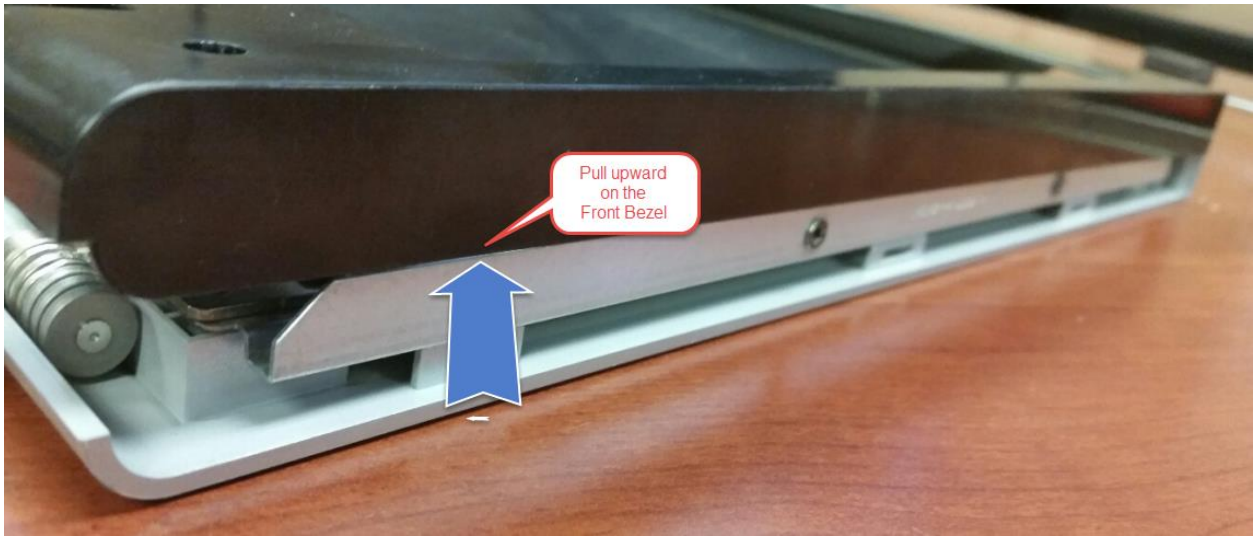


Picture #8: Remove cables clip



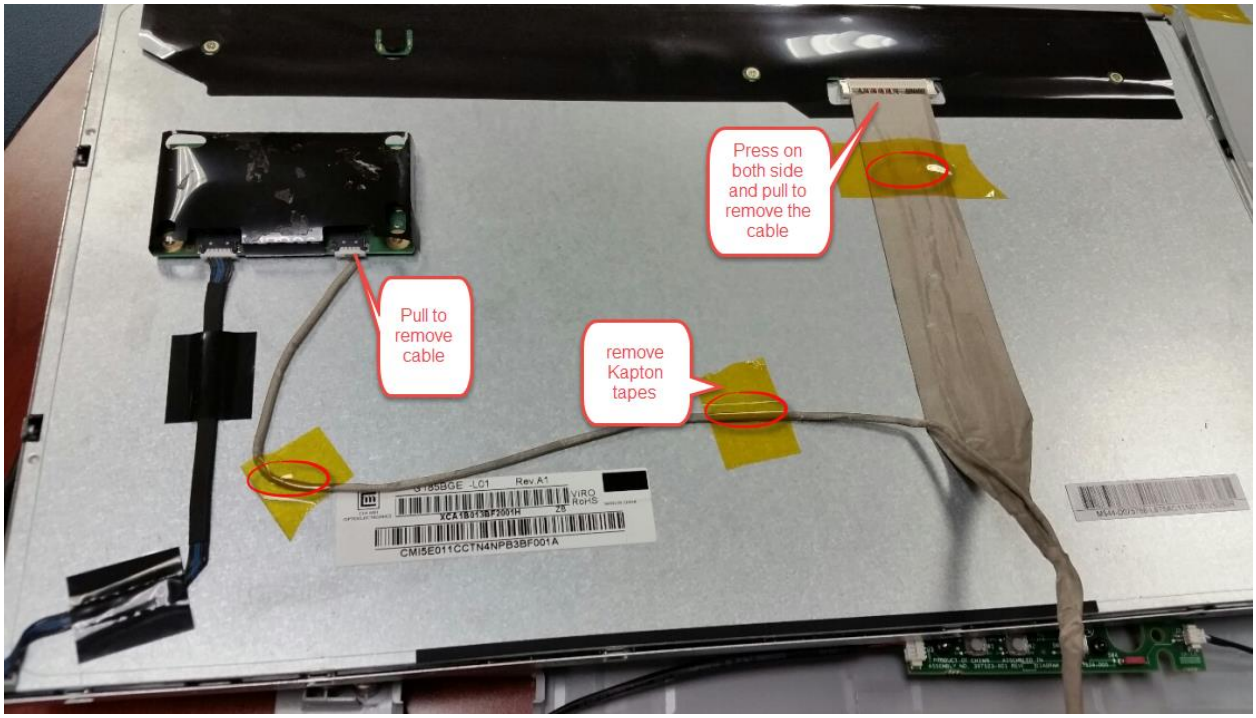
Picture #9: Remove the clutch screws

Picture #10: Remove the Front Bezel

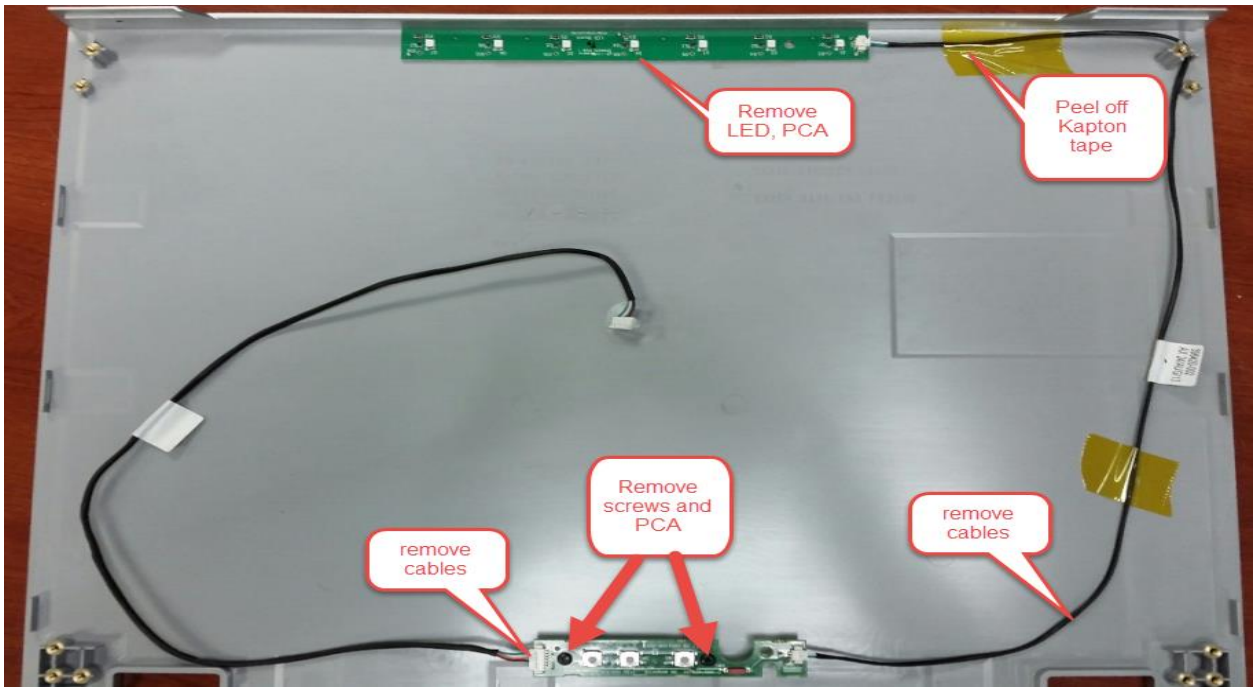


Picture #11: Panel Display disassembly

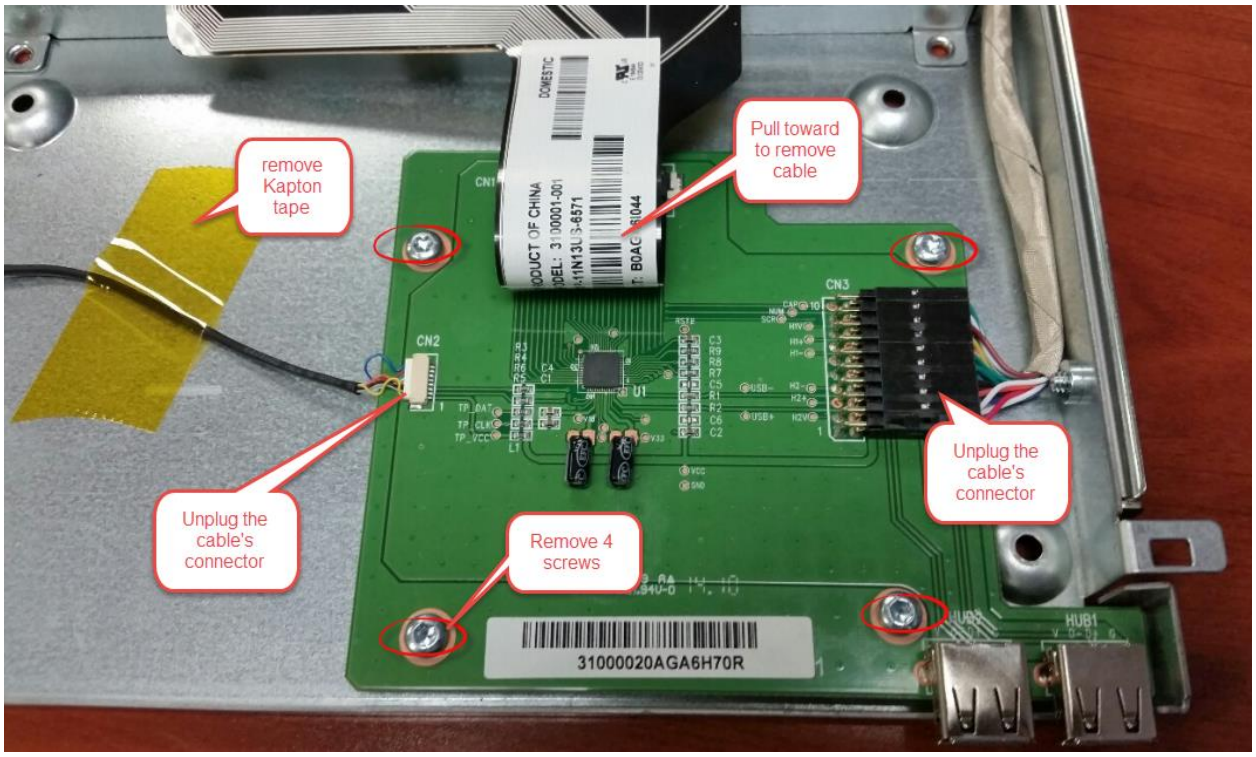
Picture #12: Panel Display disassembly & cable disconnection



Pictures #13: Disassembly parts on Enclosure



Picture #14: Keyboard PCA removal



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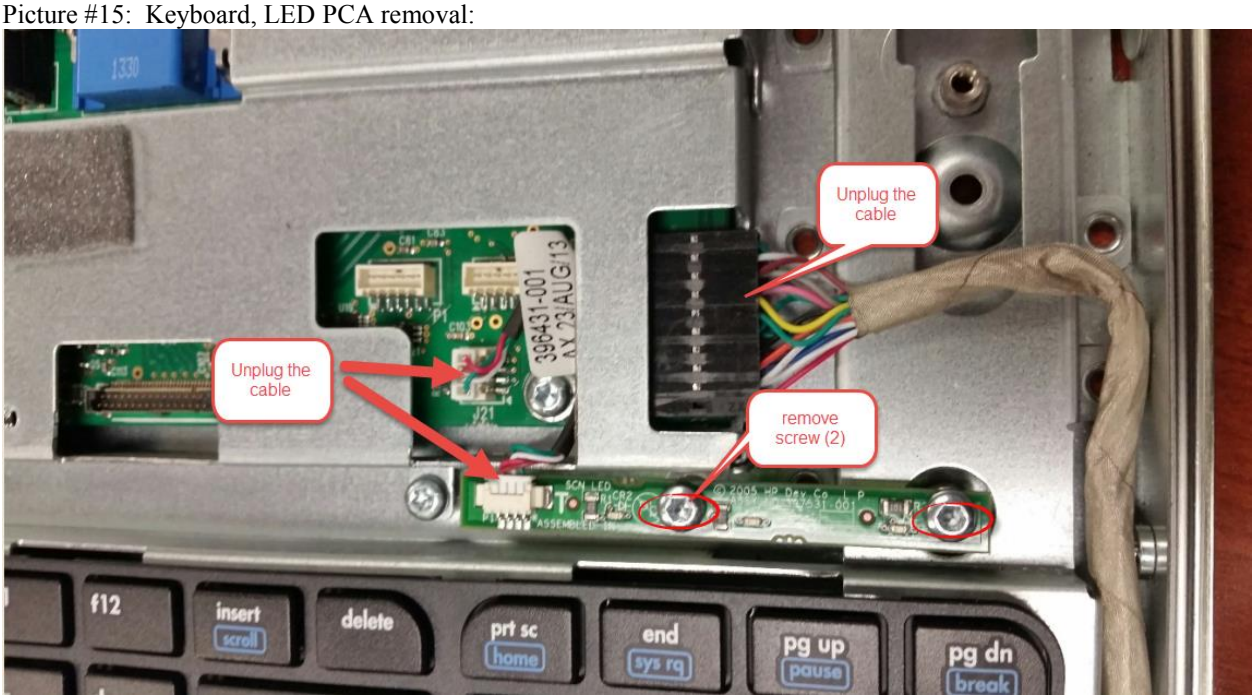
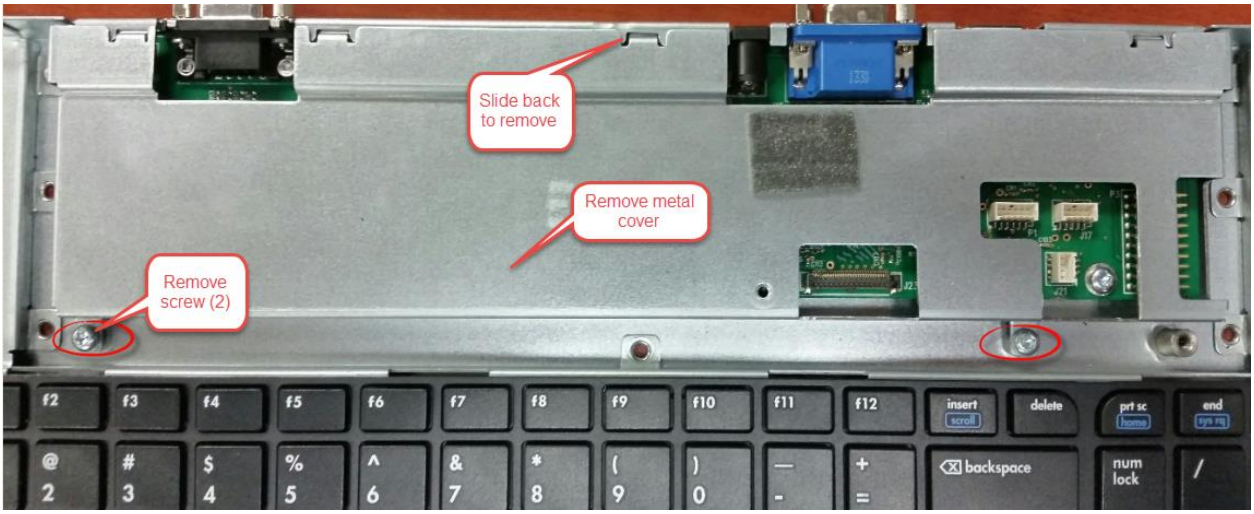
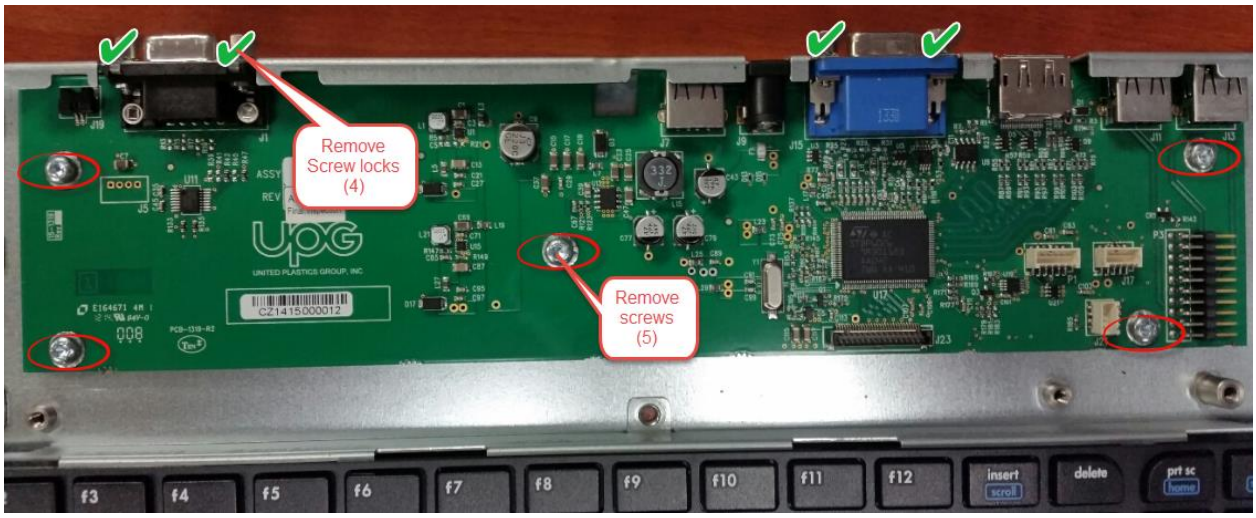
Picture #15: Keyboard, LED PCA removal:



Picture #16: Video's metal cover removal



Picture #17: Video PCA removal



Picture #18: Keyboard removal

Picture #19: Inner member removal