



Product End-of-Life Disassembly Instructions

Product Category: Control Panel/Display

Marketing Name/Model(s): 15.6 USBC Console/UPG AB170A

Purpose: This document provides the basic instructions for the disassembly of a product to remove components and materials requiring selective treatment as defined by Directive 2012/19/EU, Waste Electrical and Electronic Equipment (WEEE). It is intended for use by end-of-life recyclers or treatment facilities.

1.0 Items Requiring Selective Treatment

1.1 Items listed below are classified as requiring selective treatment.

1.2 Quantity of items within the product that require selective treatment (right column).

Item Description	Notes	Quantity of items included in product
Printed Circuit Board (PCB) or Printed Circuit Assembly (PCA)	With a surface area greater than 10 sq cm	4
Batteries	All types	0
Mercury-containing components	Such as: mercury in lamps, display backlights, scanner lamps, switches, batteries	0
Liquid Crystal Display (LCD) with a surface area greater than 100 sq cm	Includes background illuminated displays with gas discharge lamps	1
Cathode Ray Tube	N/A	0
Capacitors/Condensers containing PCB/PCT	N/A	0
Electrolytic Capacitors/Condensers measuring greater than 2.5 cm in diameter or height	N/A	0
External electrical cables and cords	N/A	0
Gas Discharge Lamps	N/A	0
Plastics containing Brominated Flame Retardants weighing >25 grams (not including PCBs or PCAs already listed above)	N/A	0
Components and parts containing toner ink, including liquids, semi-liquids (gel/paste) and toner	Including cartridges, print heads, tubes, vent chambers and service stations.	0
Components and waste containing Asbestos	N/A	0
Components and waste containing Cadmium	N/A	0
Components, parts and materials containing refractory ceramic fibers	N/A	0
Components, parts and materials containing radioactive materials	N/A	0

2.0 Tools Required

2.1 List of tools types and sizes required to be used to disassemble the product to a point where components and material requiring selective treatment can be removed.

Tool Description	Tool Size
Torx screwdriver	T8, T10
Flat blade screwdriver	
Exacto knife	

3.0 Product Disassembly Process

3.1 List of basic steps that should typically be followed to remove components and material requiring selective treatment.

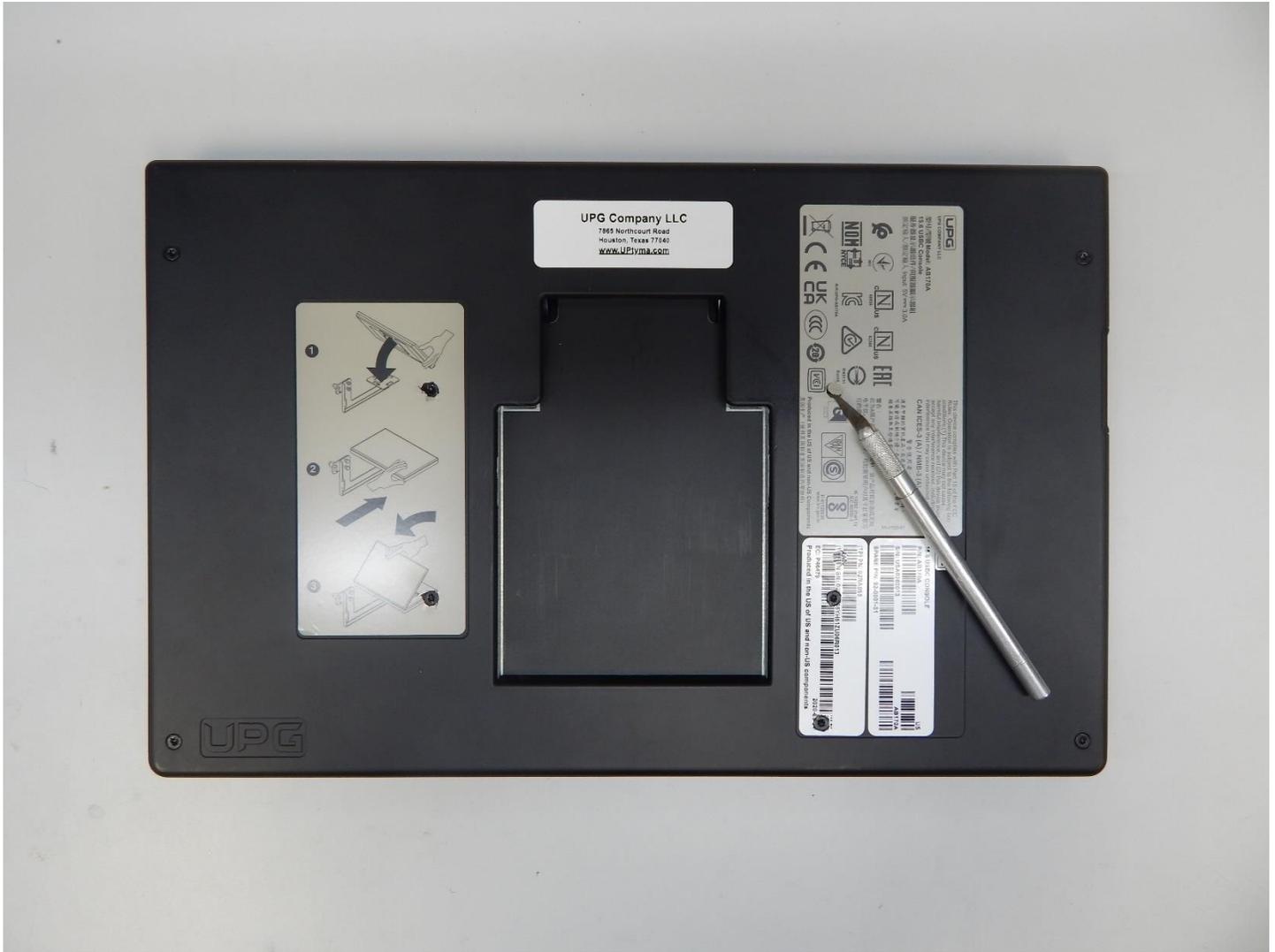
1. Bottom Screw Location: Locate the (4) Torx T10 screws in the corners of the bottom panel and the (5) Torx T10 screws under the labels. See Picture 1.
2. Bottom Screw Removal: Use the Exacto knife to carefully remove the label material covering the screw heads. See Picture 2. Use a T10 Torx screwdriver to remove the (9) screws.
3. Keyboard Removal: Use a flathead screwdriver to pry off the keyboard. See Picture 3.
4. Palm Rest Screw Removal: Use a T10 Torx screwdriver to remove the (4) screws. See Pic 4.
5. Palm Rest Removal: Use the flat blade screwdriver to pry apart the palm rest. See Picture 5.
6. Cable removal: Disconnect all cables. See Picture 6.
7. Remove Keyboard PCB Screws: Remove keyboard assembly from chassis. See Picture 7.
8. Keyboard PCB Screws: Use a T10 Torx screwdriver to remove the (4) screws. See Picture 8.
9. Remove Touchpad: Use a flathead screwdriver to pry off the touchpad. See Picture 9.
10. Touchpad Button PCB Removal: Use a T10 Torx screwdriver to remove the (2) screws. Disconnect all cables See Picture 10.
11. Remove OSD PCB: Use a T10 Torx screwdriver to remove the (2) screws. See Picture 11.
12. Remove Cap Lock, Num Lock and Page Down LED PCB: Use a T10 Torx screwdriver to remove the (2) screws. See Picture 12.
13. EMI Shield Removal: Peel tape from shield. Remove shield from chassis. See Picture 13.
14. Display PCB Removal: Use a T10 Torx screwdriver to remove the (4) screws. See Picture 14.
15. Clutch Disassembly: Use a T10 Torx screwdriver to remove the (3) screws (3 on each side). See Picture 15.
16. Metal Pan Removal: Lift metal pan out of bottom plastic. See Picture 16.
17. Display Bezel Removal: Use a flathead screwdriver to pry off the display bezel. See Picture 17.
18. Display Screw Removal: Use a Torx T08 screwdriver to remove (11) T08 screws. See Picture 18.
19. Display Disassembly: Remove pieces from display top cover plastic. See Picture 19.

3.2 Optional Graphics: Graphic illustrations (photos) below to identify items contained in the product that require selective treatment. Illustrations (photos) correspond to the steps above.

Picture 1: Bottom Screw Location



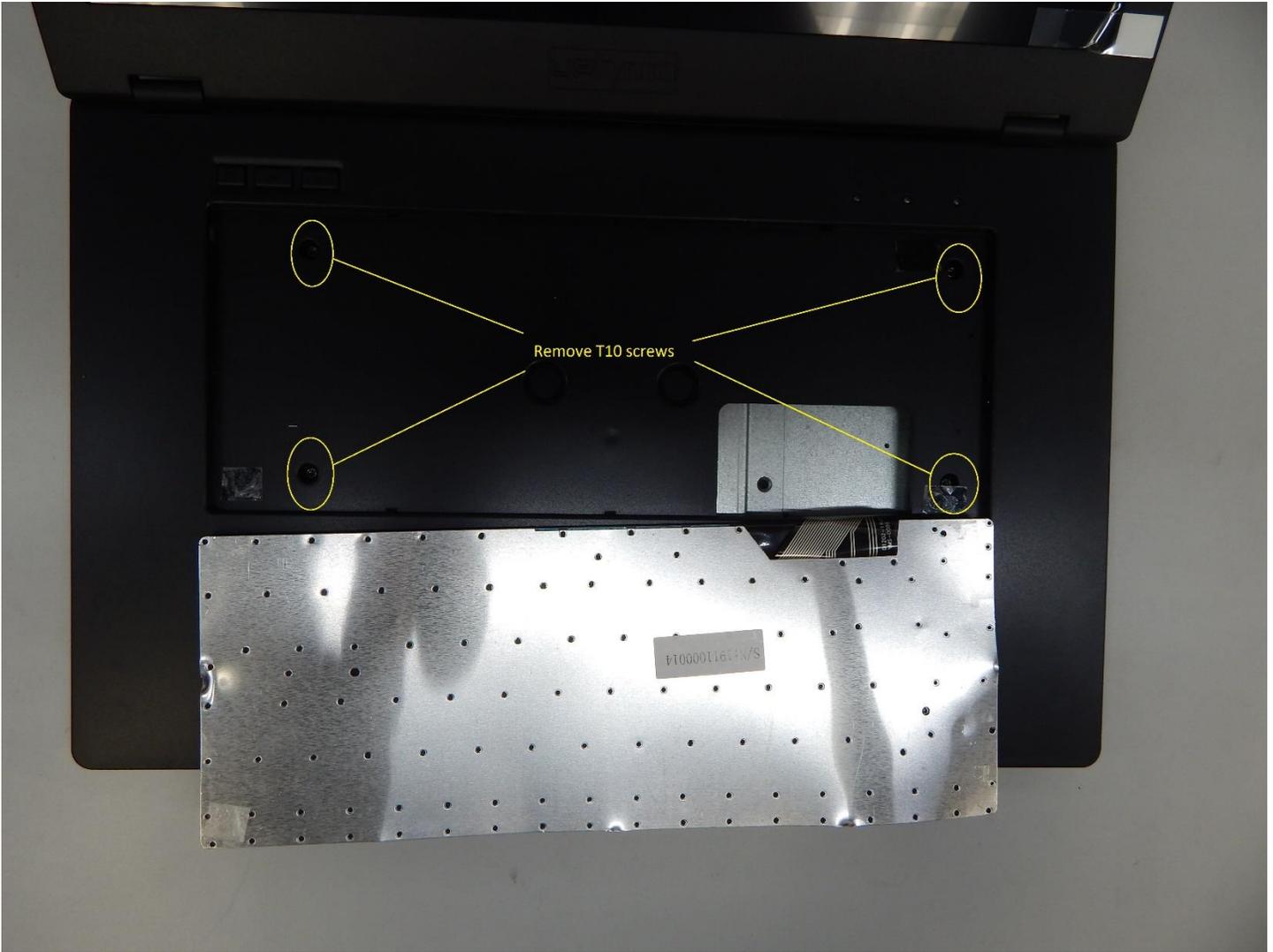
Picture 2: Bottom Screw Removal



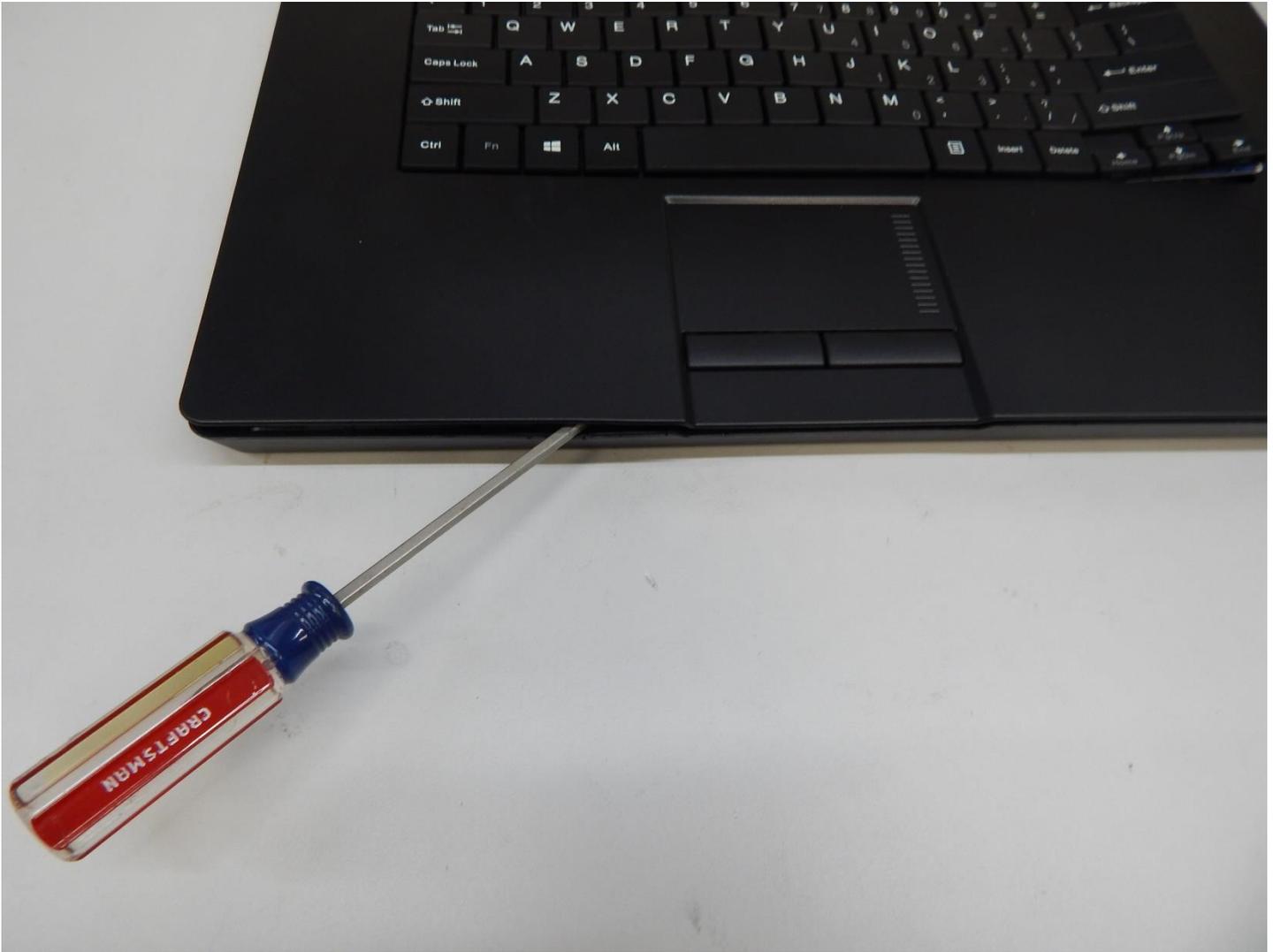
Picture 3: Keyboard Removal



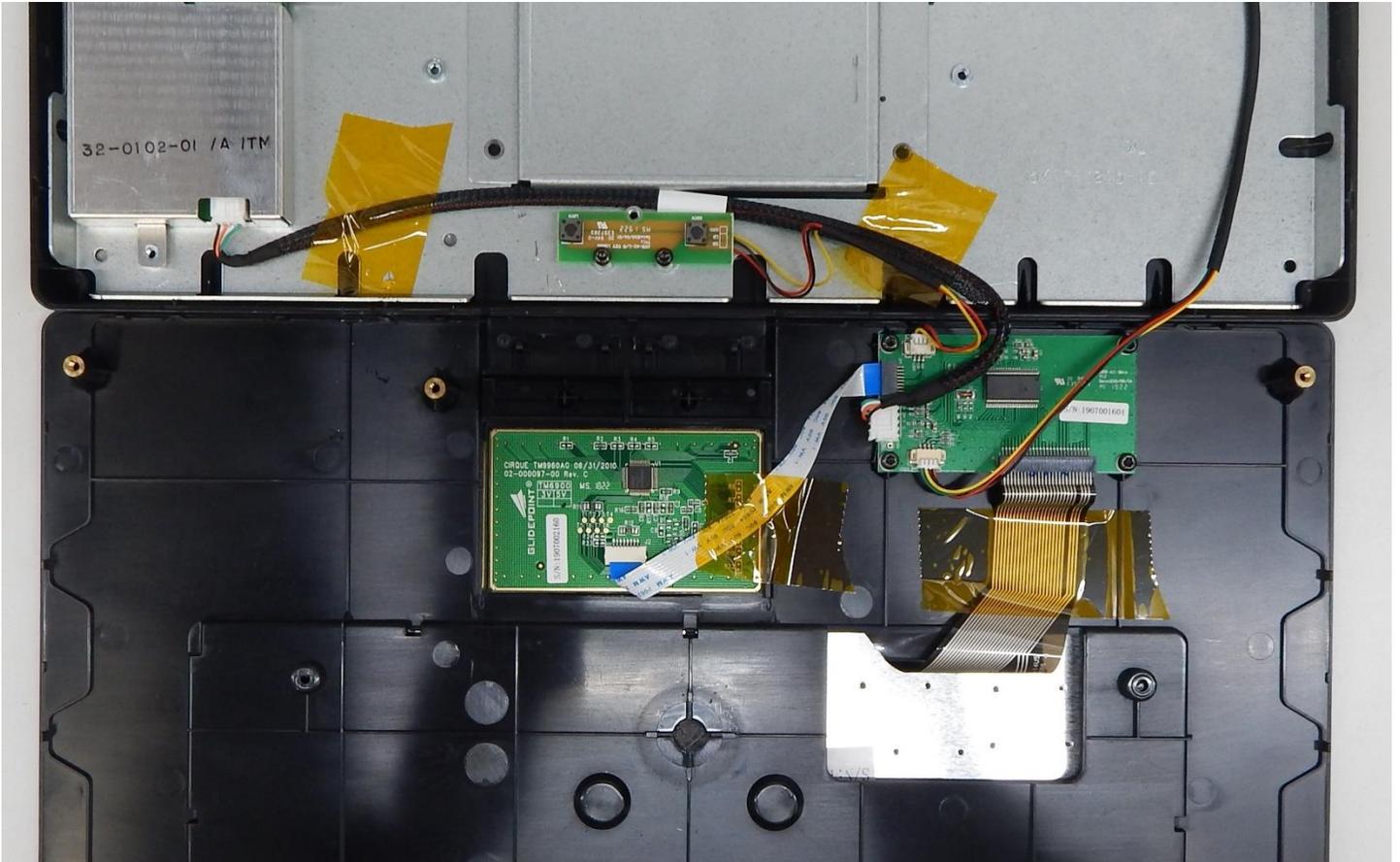
Picture 4: Palm Rest Screw Removal



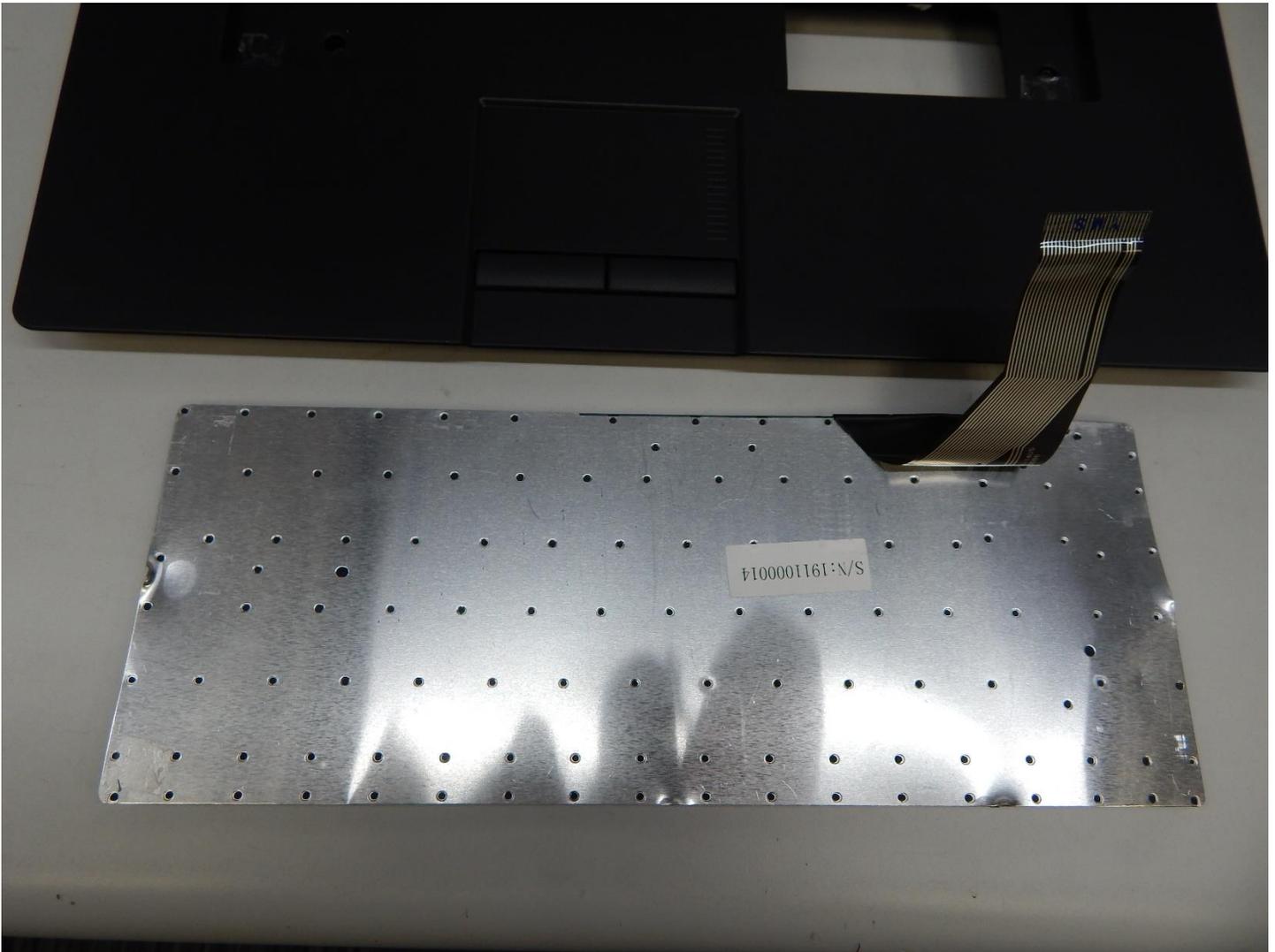
Picture 5: Palm Rest Removal



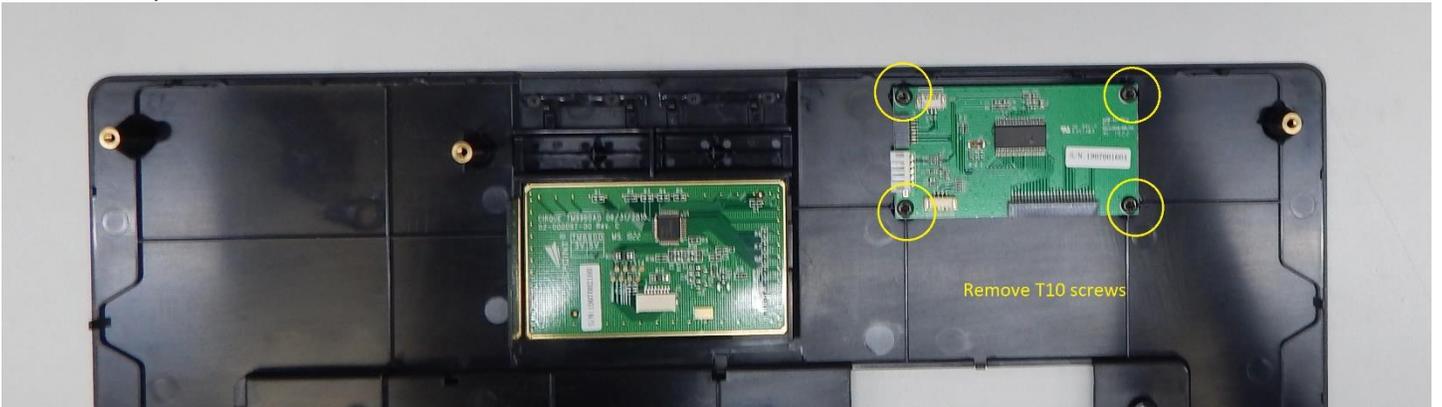
Picture 6: Remove Cables



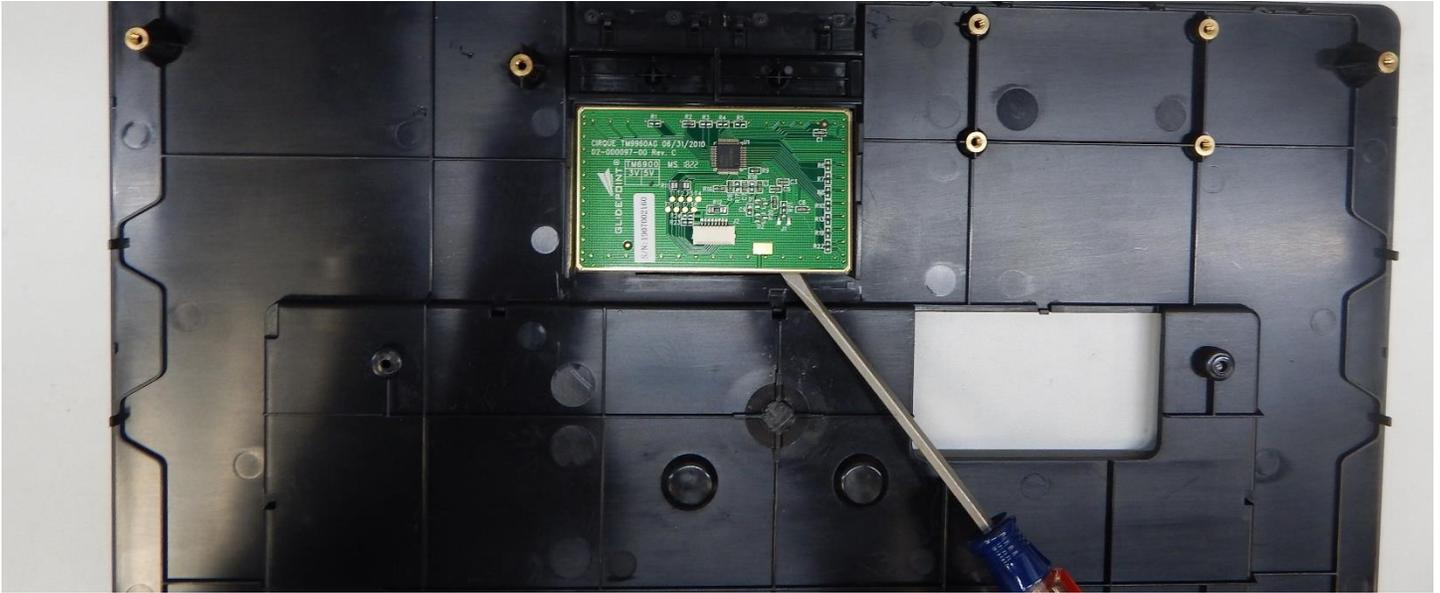
Picture 7: Keyboard Removal



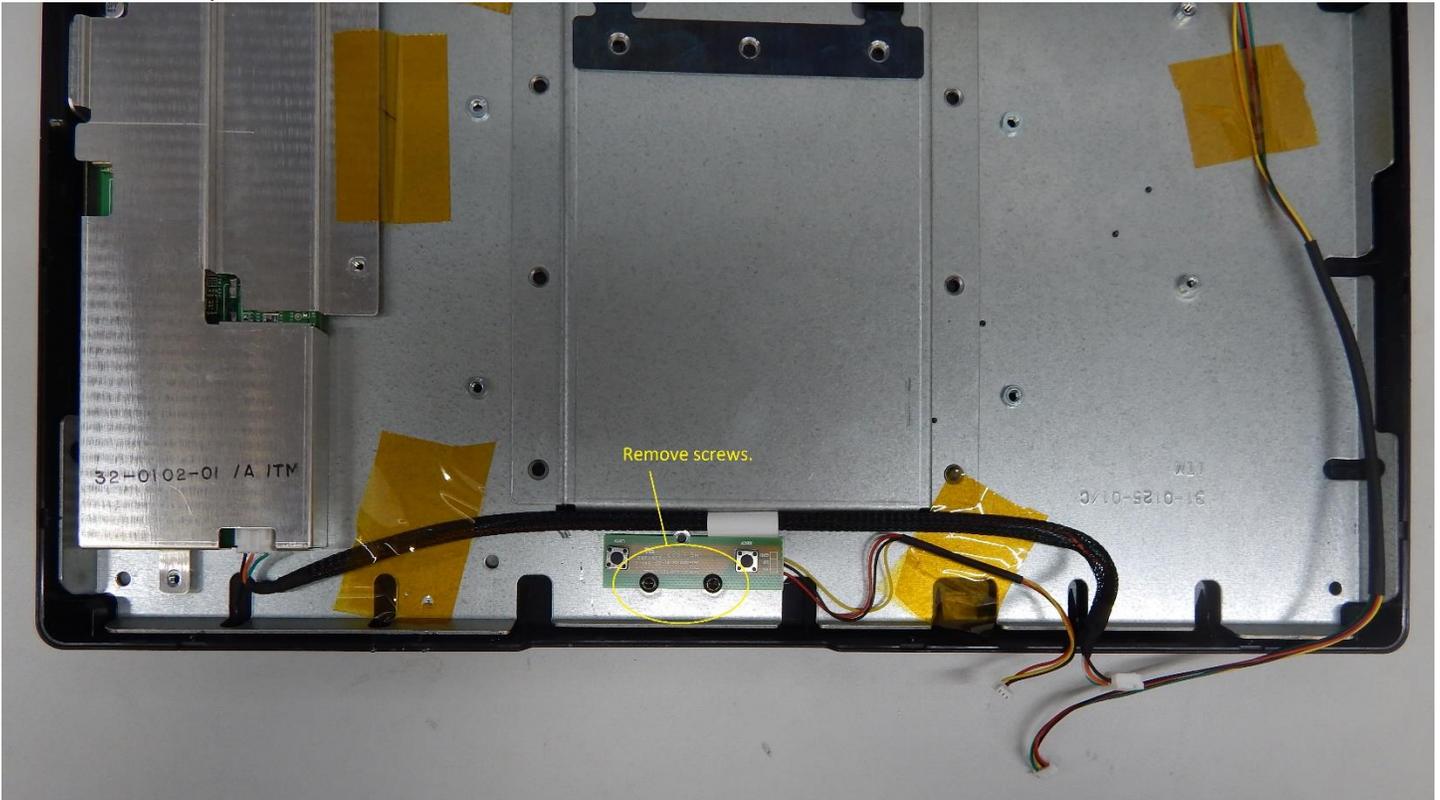
Picture 8: Keyboard PCB Screws



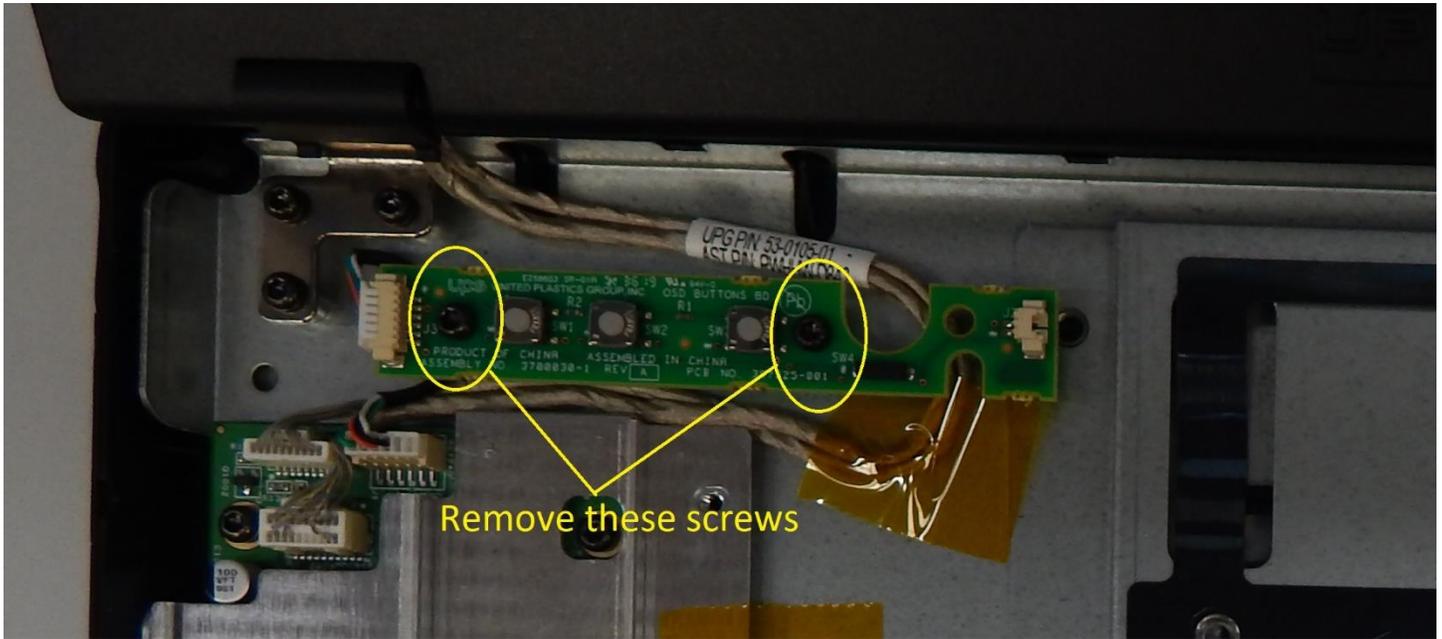
Picture 9: Remove Touchpad



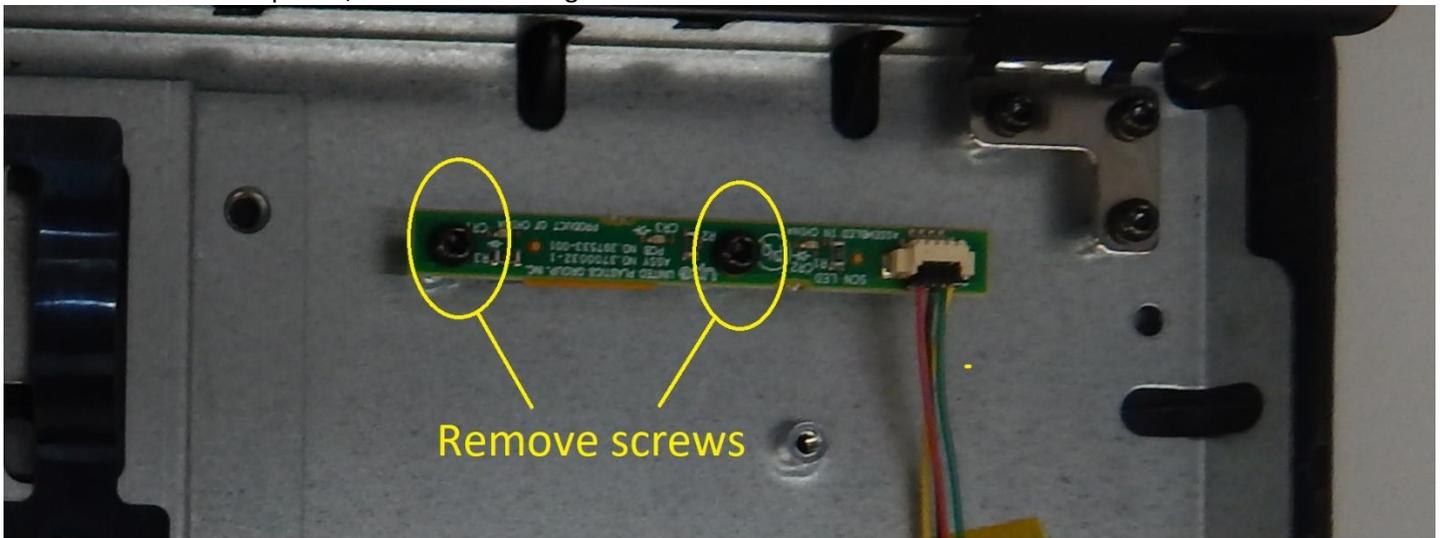
Picture 10: Touchpad Button PCB Removal



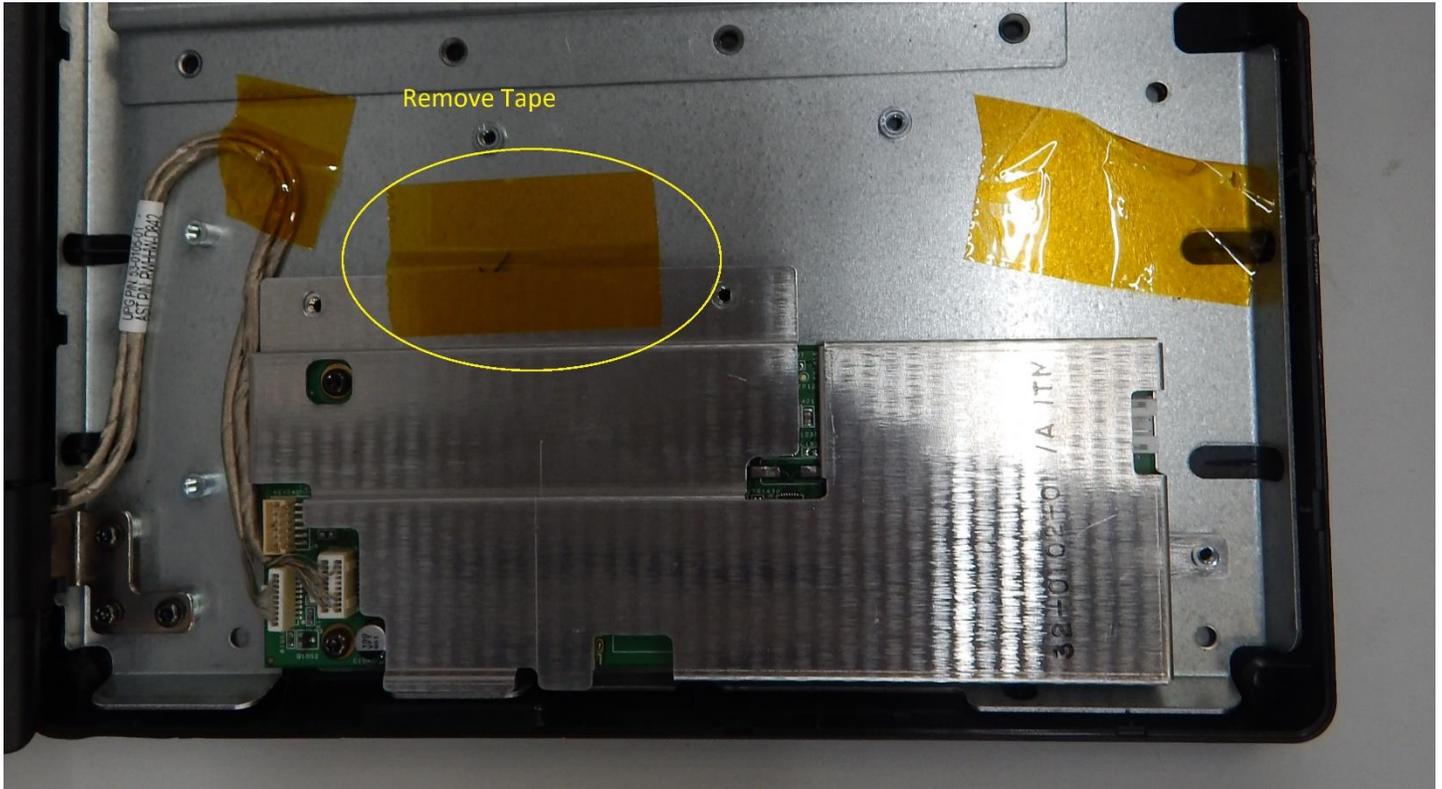
Picture 11: Remove OSD PCB



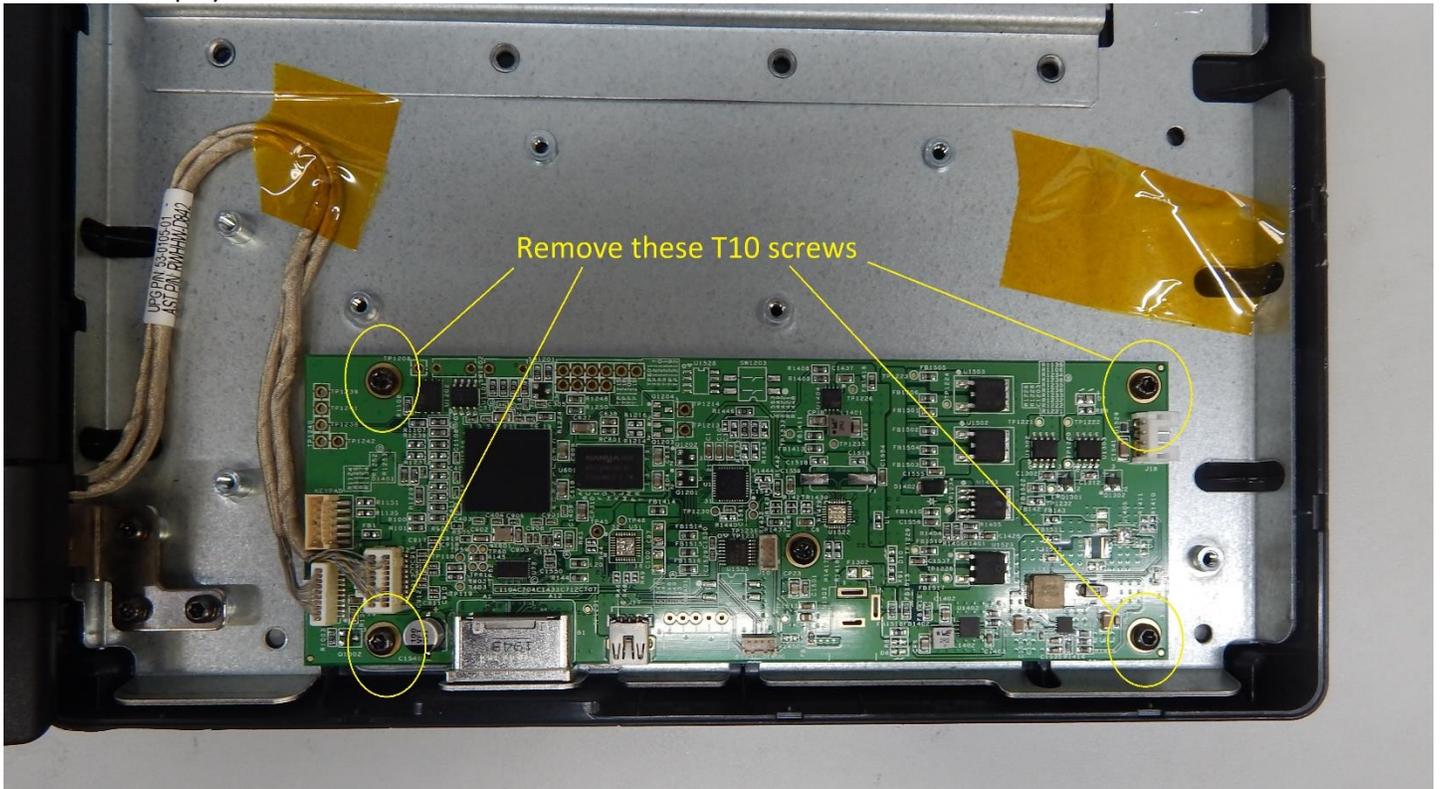
Picture 12: Remove Cap Lock, Num Lock and Page Down LED PCB



Picture 13: EMI Shield Removal



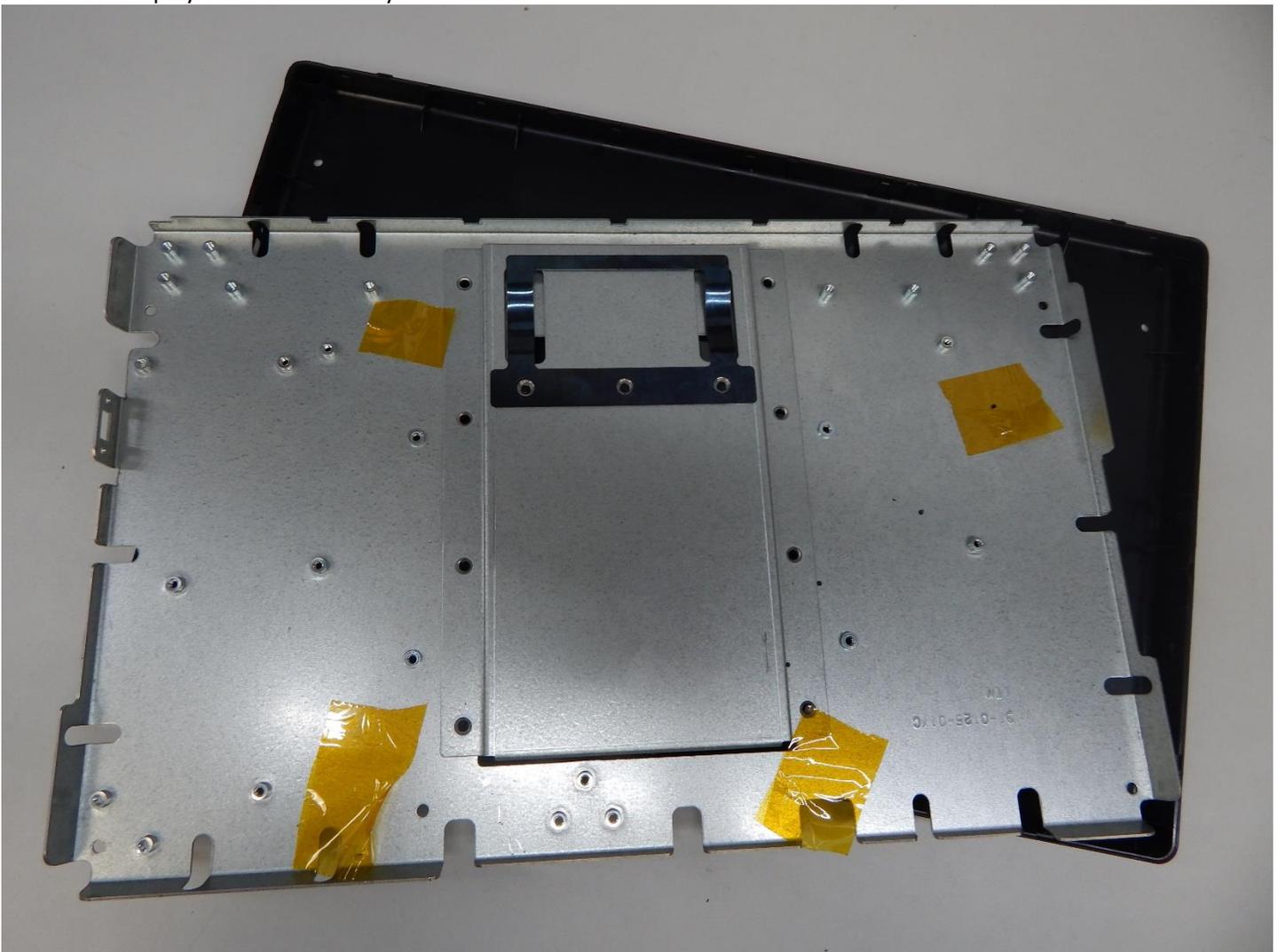
Picture 14: Display PCB Removal



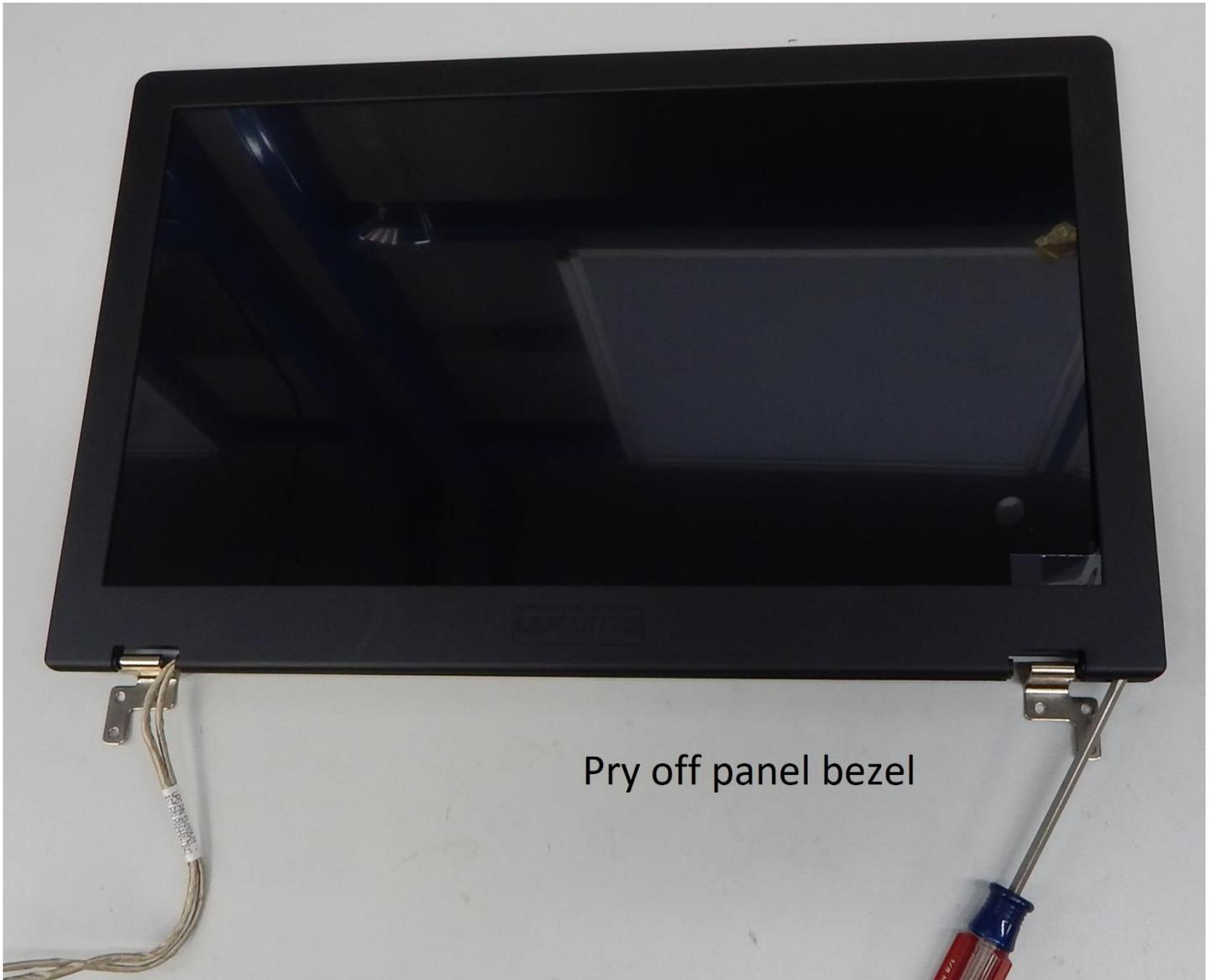
Picture 15: Clutch Disassembly



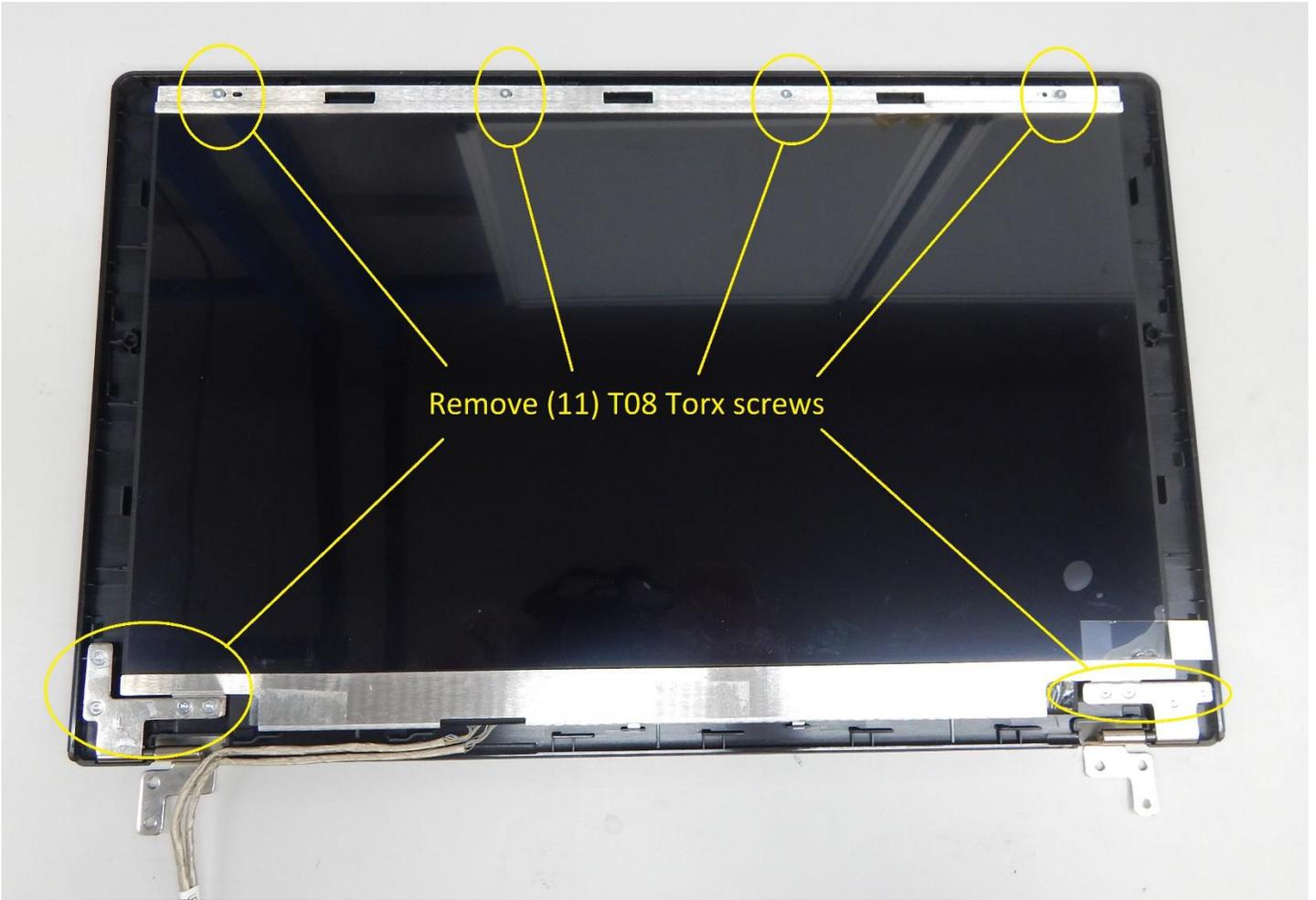
Picture 16: Display Panel Disassembly



Picture 17: Display Bezel Removal



Picture 18: Display Screw Removal



Picture 19: Display Disassembly

