

Teardown Instruction

LCD Monitor

P2721Q

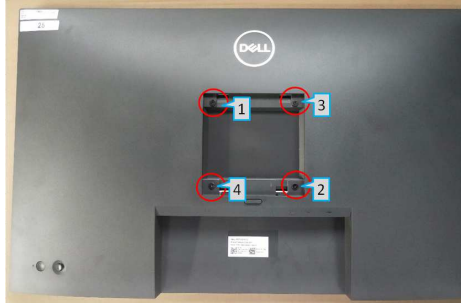


Service Manual Versions and Revision

No.	Version	Release Date	Revision
1	1.0	2020/07/10	Initial Release

Chapter 1-TEARDOWN INSTRUCTION

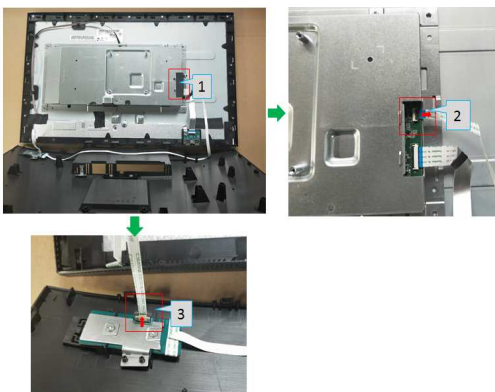
1. Remove Rear Cover Screw
Remove screws "1~4" on rear cover with electric screwdriver. Torque: $12.0 \pm 0.5\text{Kgf/cm}$



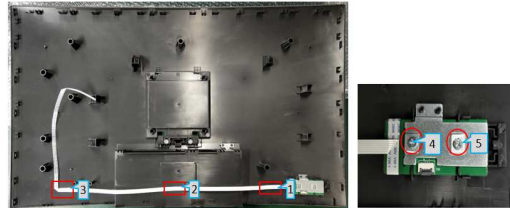
2. Remove Rear Cover 1:
Panel side down, remove rear cover with both hands in sequence of "1->2->3", then "1->4->5->6"



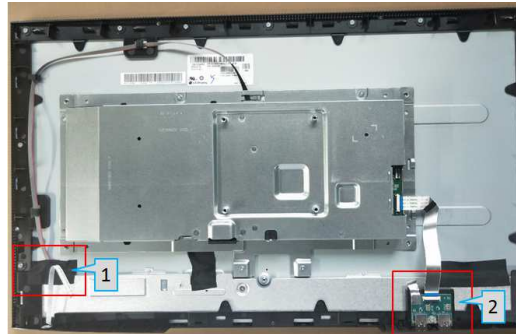
3. Remove Rear Cover 2:
 - a. Set up rear cover, remove mylar "1"
 - b. Remove keypad cable "2"
 - c. Remove light bar "3"



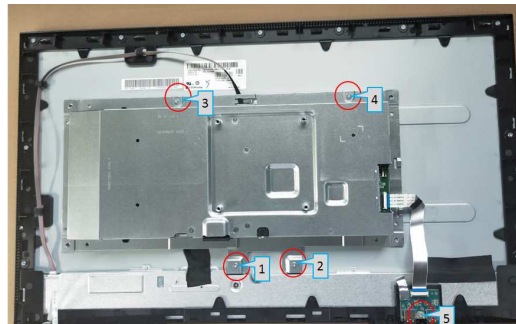
4. Remove Keypad:
 - a. Remove keypad cable in sequence of "1, 2, 3"
 - b. Remove screws "5, 6" with electric screwdriver. Screwdriver torque: $2.5 \pm 0.5\text{Kgf/cm}$
 - c. Separate chassis, keypad and rear cover



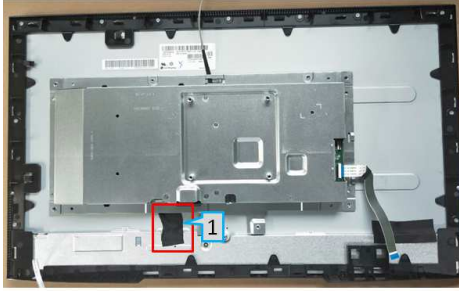
5. Remove Light Bar and USB Cable:
 - a. Remove acetate tape "1", grasp on Pin, then remove light bar cable horizontally
 - b. Remove aluminium foil "2", lift up USB pin cover, then remove USB cable



6. Remove Chassis and USB Board Screws :
 - a. Remove chassis screws "1~4" and USB board screw "5" with electric screwdriver. Torque: $3.5 \pm 0.5\text{Kgf/cm}$
 - b. Remove USB board



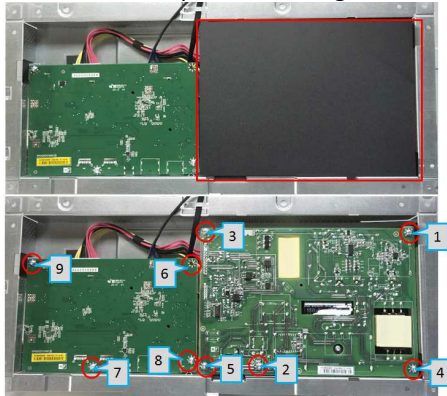
7. Remove FFC:
 - a. Remove aluminium foil "1"
 - b. Lift up FFC cover, grasp on pinch, then remove light bar cable horizontally



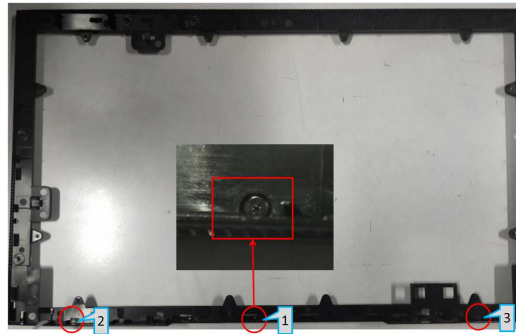
10. Remove Front Trim Screws 1:
 - a. Remove screws "1~11" on mid frame with electric screwdriver. Screwdriver torque: 3.5 ± 0.5 Kgf/cm
 - b. Separate mid frame from panel



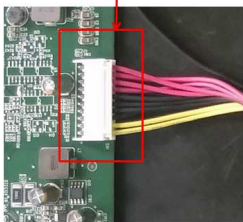
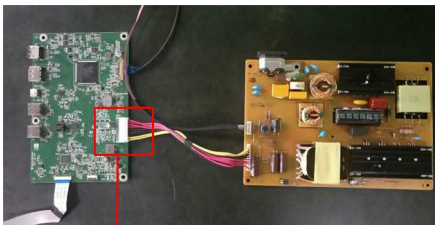
8. Remove PCBA 1:
 - a. Remove mylar
 - b. Remove screws "1~9" with electric screwdriver. Torque: 5.5 ± 0.5 Kgf/cm



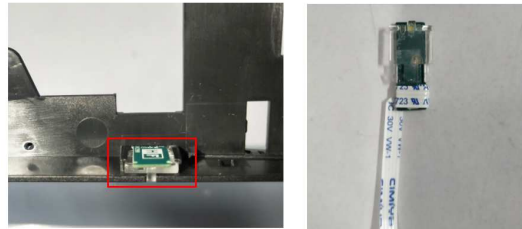
11. Remove Front Trim Screws 2:
 - a. Remove screws "1~3" with electric screwdriver. Screwdriver torque: 0.8 ± 0.1 Kgf/cm
 - b. Separate front trim from mid frame.



9. Remove PCBA 2:
 - a. Remove Power Board and IF Board
 - b. Separate Power Board and IF Board



12. Remove LED
 - a. Remove LED from mid frame with jig.
 - b. Separate lens from LED Board



1. Product Material Information

The following substances, preparation, or components should be disposed of or recovered separately from other WEEE in compliance with Article 4 of EU Council Directive 75/422/EEC.

Capacitors / Condensers (containing PCB/PCT)	Not used
Mercury containing components	Not used
Batteries	Not used
Printed circuit boards (with surface greater than 10 square cm)	Product has printed circuit boards (with surface greater than 10 square cm)
Component contain toner, ink and liquids	Not used
Plastic containing BFR	
Component and waste contain asbestos	Not used
CRT	Not used
Component contain CFC, HCFC, HGC and HC	Not used
Gas discharge lamps	Not use
LCD display > 100 cm2	Product LCD greater than 100cm2
External electric cable	Product has external cables
Component contain refractory ceramic fibers	Not used
Component contains radio-active substances	Not used
Electrolyte capacitors (height > 25mm, diameter >25mm)	Product has electrolyte capacitors (height > 25mm)

2. Tools Required

List the type and size of the tools that would typically can be used to disassemble the product to a point where components and materials requiring selective treatment can be removed.

Tool Description:

- Screwdriver (Philip head with $\Phi 5$ mm & $\Phi 3$ mm)
- Screwdriver (Hexagonal to remove VGA connectivity)
- Soldering iron
- Knife