

# Dismantling information

The document is intended for use by end-of-life recyclers or treatment facilities. It provides the basic instructions for the disassembly of LG products to remove components and materials requiring selective treatment.

## Product Identification

Type of Product	Monitor
Model name	27GQ50A <b>This document covers derivation model which has same conceptual design and dismantling process</b>

Displays must be stored in accordance with the requirements stipulated in Appendix VIII (1) or (2) of Directive 2012/19/EU and must, amongst other things, be stored in a weatherproof manner. Containers with covers must be used when storing and transporting the Displays.

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# 1. Materials and components for Selective Treatment

Displays may contain hazardous substances like Pb and BFRs which are covered by exemptions under the RoHS directive. However, the majority is present in the PCB assembly. In order to reduce emissions as much as possible, a complete disposal of the old appliance is required. This treatment may only be performed in authorized handling plants.

Materials and components	Notes	Included
Printed Circuit Boards (PCB) or Printed Circuit Assemblies (PCA)	With a surface greater than 10 square cm	○
Batteries	For Remote control	-
	Internal batteries	-
Mercury containing components	display backlights	-
Liquid Crystal Displays (LCD) with a surface greater than 100 square cm		○
Capacitors / condensers (Containing PCB / PCT)		-
Electrolytic Capacitors / Condensers measuring greater than 2.5 cm in diameter or height		○
External electric cables cords	Power cord	○
	Signal cable	○
Gas Discharge Lamps		-
Plastics containing Brominated Flame Retardants		-
Components and waste containing asbestos		-
Components, parts and materials containing refractory ceramic fibers		-
Components, parts and materials containing radioactive substances		-

## 2. Tools Required

List the type 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 information
<b>Screw driver</b>	
<b>Crowbar</b>	

## **3. Product Disassembly Process**

### **1. Batteries**

No battery

## 3. Product Disassembly Process

### 2. PCBs and LCD Module

Remove keypad board and joystick cover.



After removing tape and mylar, bracket can be easily removed. Then, the mainboard can be removed by screw driver.



The frame deco can be removed by hand and screw driver.



LCD Module



## 3. Product Disassembly Process

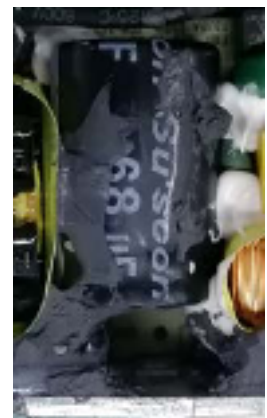
### 3. Power cord and signal cables

A Power cord plugged into the back of the display can easily be removed by hand or cables are provided as de-attached from the product



### 4. Capacitors > 25 mm

Capacitors > 25 mm are located in the power supply units and can be removed by nipper

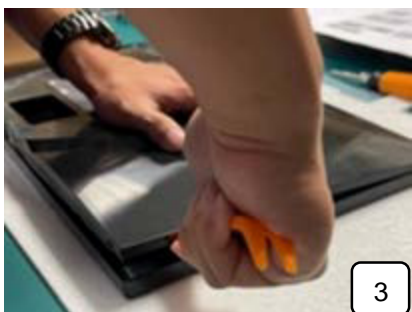
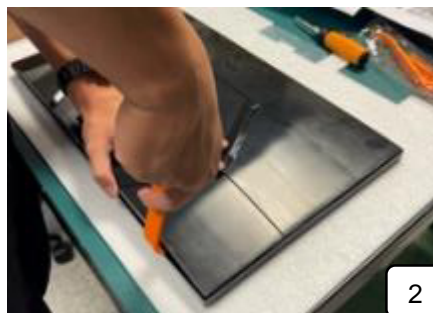


## 4. Disassembly of External enclosure

The stand can easily be removed by hand and screw driver.



Remove the back cover by crowbar and screw driver.



Remove all of connectors, wires and mylar.

