

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	24/27U411A, 24/27U41YA This document covers derivation model which has same conceptual design and dismantling process

Displays must be stored in accordance with the requirements stipulated in Appendix VII (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.

Contents

- 1. Materials and components for Selective Treatment**
- 2. Tools Required**
- 3. Product Disassembly Process**

1. Materials and components for Selective Treatment

Displays may contain hazardous substances like Pb 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	Remark
Printed Circuit Boards (PCB) or Printed Circuit Assemblies (PCA)		O	
Batteries	For Remote control	-	
	Internal batteries	-	
Mercury containing components	display backlights	-	
Liquid Crystal Displays (LCD) with a surface greater than 100 square cm	Includes background illuminated displays with gas discharge lamps	-	
Capacitors / condensers (Containing PCB / PCT)		-	
Electrolytic Capacitors / Condensers measuring greater than 2.5 cm in diameter or height		O	
External electric cables cords	Power cord	O	
	Signal cable	O	
Gas Discharge Lamps		-	
Plastics containing Brominated Flame Retardants	Plastic of speaker, cable connector (depend on model)	-	
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
Screw driver	 A collection of various screwdrivers with different handle colors (red, green, yellow, black) and a Bosch power drill with a blue and black body.
Nipper	 A pair of wire cutters with red handles and silver metal jaws.
Plastic Hera Jig	 A white plastic Hera jig, which is a flat, rectangular tool with a handle and a flat head.

3. Product Disassembly Process

1) Batteries

Batteries can easily be removed from the remote control once the back cover of the remote control has been removed.

None (배터리 미적용)

Batteries can easily be removed from the PCB Assembly once the back cover of product has been removed.

None (배터리 미적용)

3. Product Disassembly Process

2) PCBs

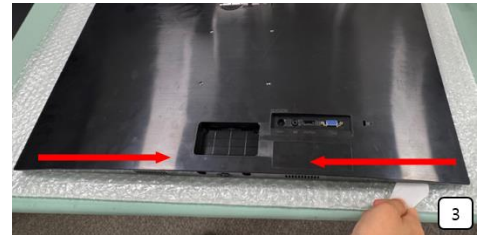
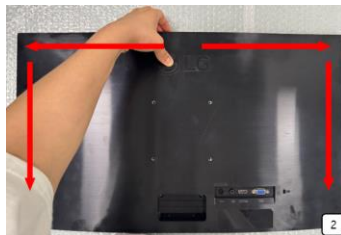
Remove Stand base screw 2ea before disassemble Stand base.



Remove Stand body screw 2ea before disassemble Stand body.



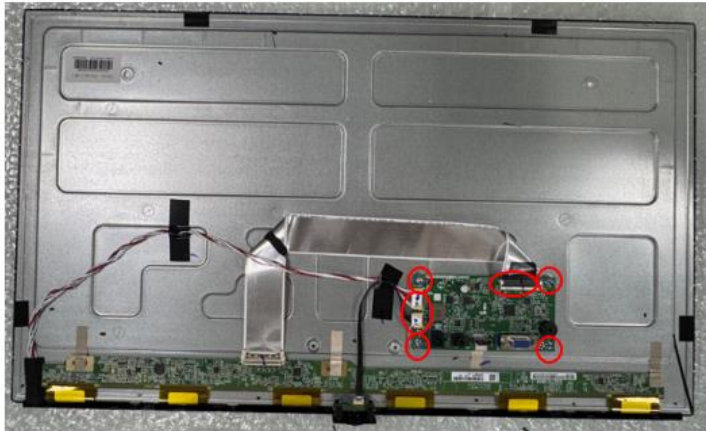
Remove Back cover screw 2ea and remove the Back cover by hand & plastic hera jig.



3. Product Disassembly Process

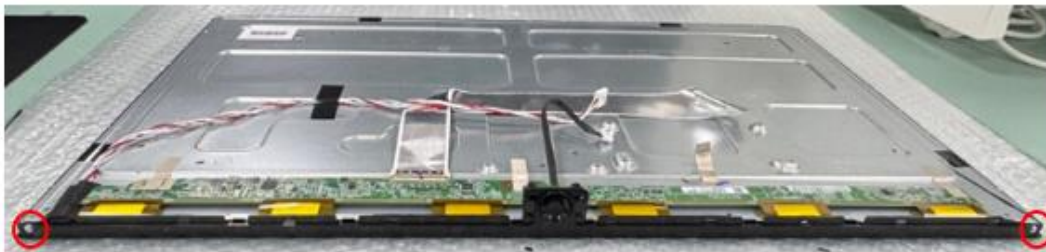
2) PCBs

Disassemble all connectors then remove PCB screw 4ea by screw driver



1

Disassemble Front cover by removing screw 2ea with screw driver. Then Remove Jog PCB from 4ea latch.



1



2

Remove all Tape and Cable.



1



2

3. Product Dismantling Process

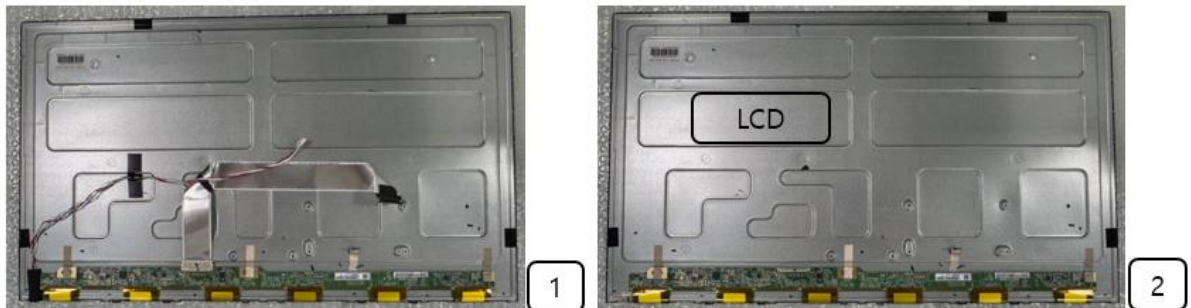
3) Plastics containing Brominated Flame Retardants

Plastic of speaker, cable connector may contain brominated flame retardants, remove them all using a common available tool.

4) LCD Module

LCD (together with their casing) is only left after all other parts like electronic units have been removed.

LCD module



3. Product Disassembly Process

5) 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



아답터, HDMI Cable

6) Capacitors > 25 mm

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

