LG Electronics

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	**OLED TV**
Model name	**OLED83G6###** **The symbol "#" in the model name can be any alphanumeric characters, 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 Dismantling 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
Printed Circuit Boards (PCB) or Printed Circuit Assemblies (PCA)		O
Batteries	For Remote control	O
	Internal coin 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 lamp)	LCD Module, LED Module, OLED Module (LED or OLED maybe used depending on model)	O
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
Gas Discharge Lamps		-
Plastics containing Brominated Flame Retardants	Plastic of speaker, cable connector, fan (depend on model)	O
Components and waste containing asbestos		-
Components, parts and materials containing refractory ceramic fibers		-
Components, parts and materials containing radioactive substances		-

2. Tools Required

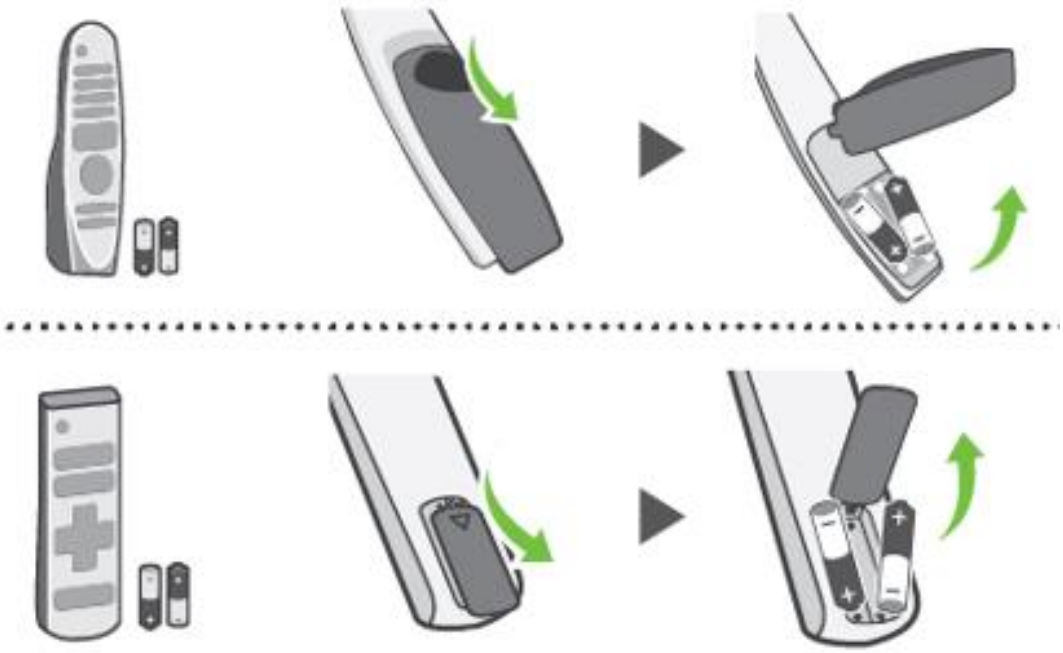
List the type that would typically be used to disassemble the product to a point where components and materials requiring selective treatment can be removed.

Tool Description	Tool information
Screw driver	 
Nipper	
Hera	

3. Product Dismantling Process

1) Batteries

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



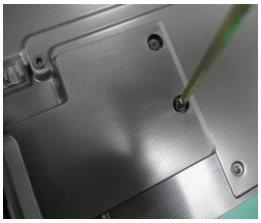
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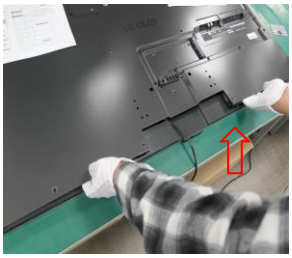
3. Product Dismantling Process

2) PCB and OLED Module

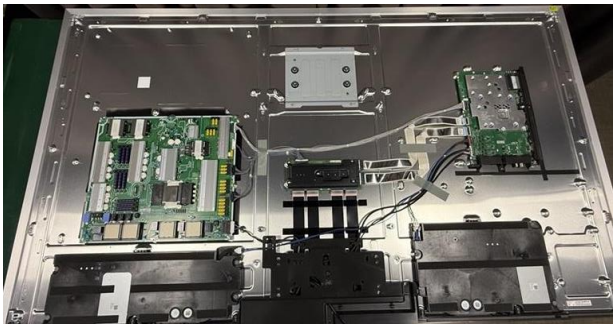
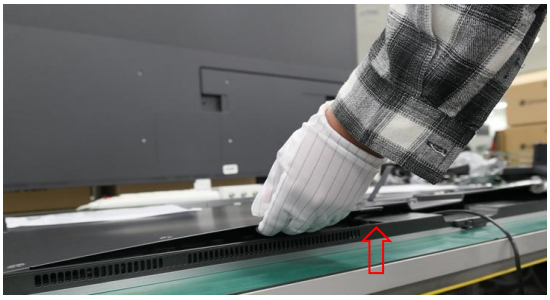
Remove all screw on Back Cover by screw driver. Unlock snap fit on the back cover with the “Hera” (Opener) and pull the back cover



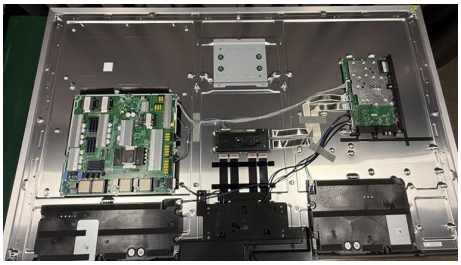
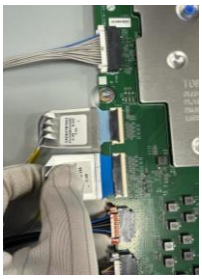





Remove EMS Bracket, PSU, and main PCBs

Once removed, this will expose the accessible electronic units (PCBs). Remove all cable and screw which can now be easily removed with hand and screw driver



Remove PSU and main PCB



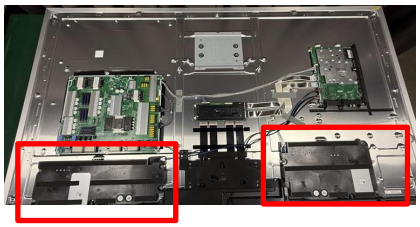


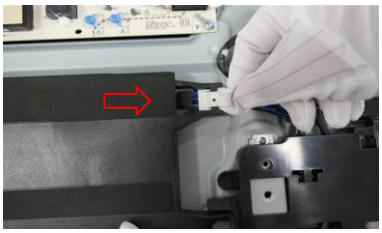
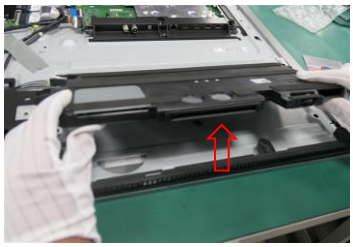

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3. Product Dismantling Process

Speaker unit L & R

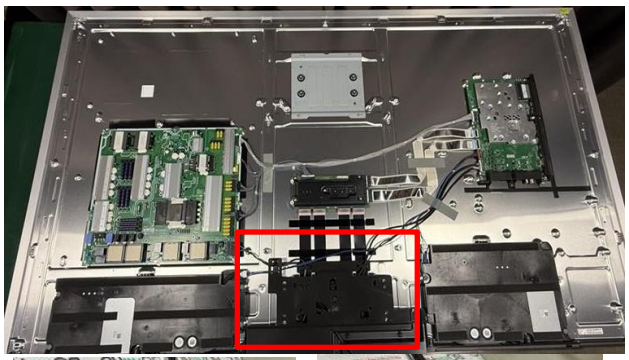
Speaker isn't using screw. Remove it with the Hand (Connectors are already pulled-out when we remove the main PCB)



IR and Wi-Fi Module

Remove screw using driver. Remove IR Bracket






Remove Wi-Fi/BT module. (Unlock the PCB hook)



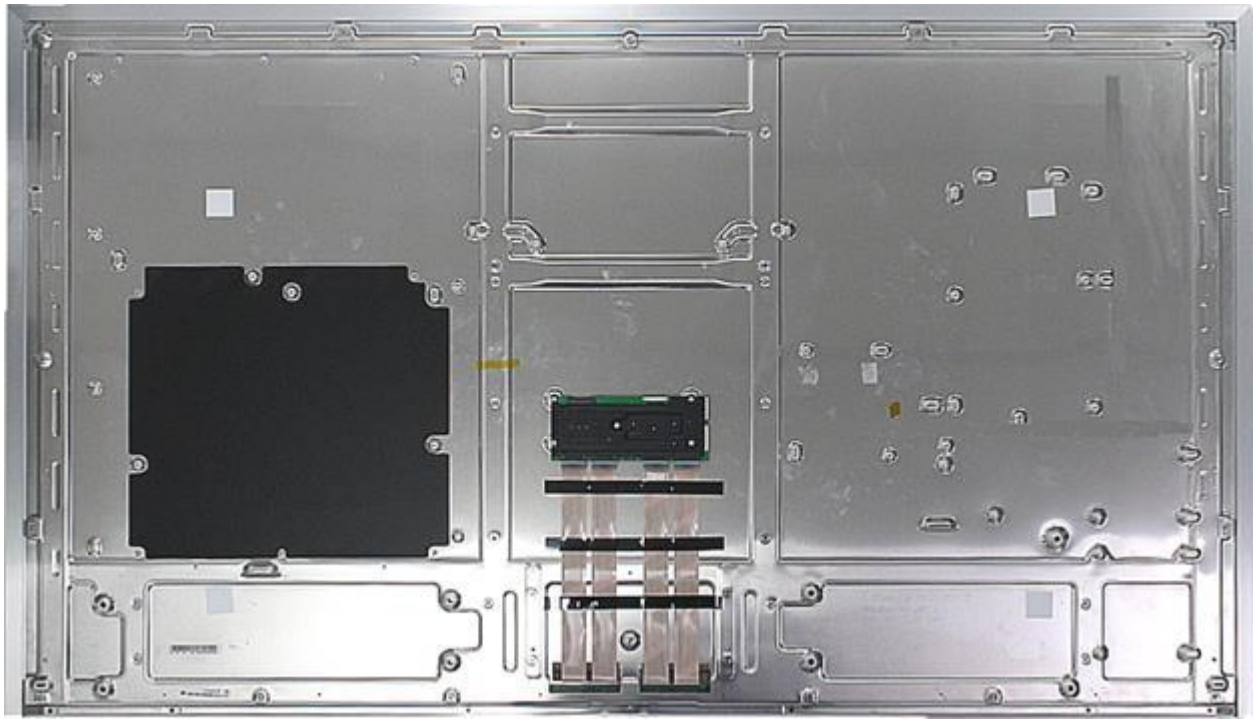
3. Product Dismantling Process

3) Plastic containing Brominated Flame Retardants

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

4) OLED Module

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

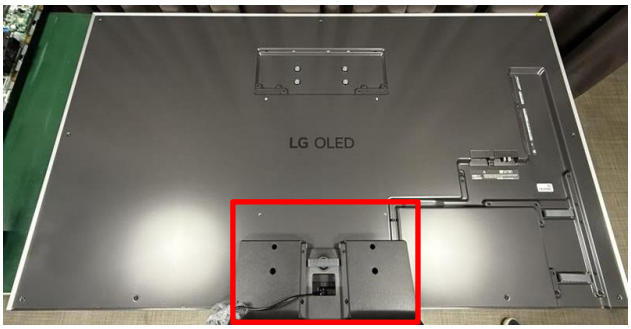


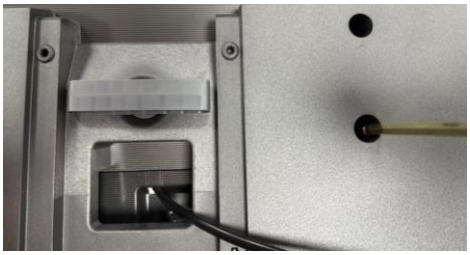
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3. Product Dismantling Process

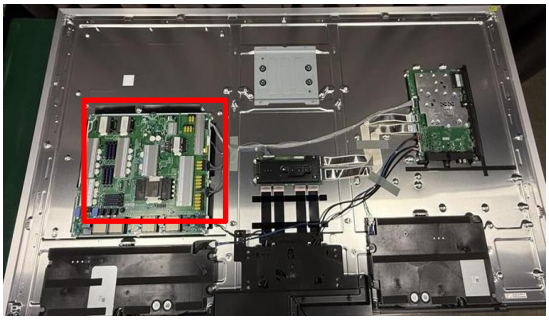
5) Power Cord

Power cord plugged into the back of the display can be removed after stand and Back cover be removed. Power cord included on bracket.

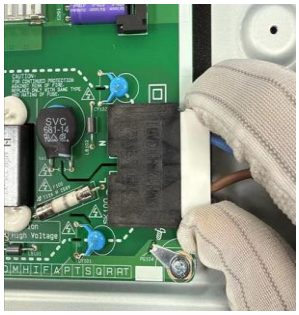




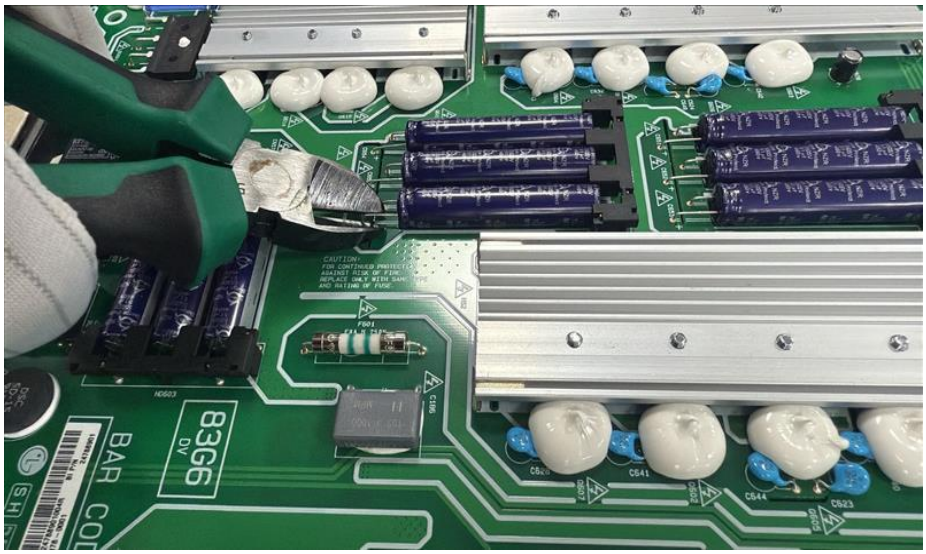
Remove Stand with screw-driver before remove power cord







6) Capacitors >25 mm



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