

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	Signage
Model name	32UL5Q 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 VI (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**
- 2. Tools Required**
- 3. Product Disassembly Process**
- 4. Disassembly of External enclosure**

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	O	
	Internal batteries	O	
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	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	
	Signal cable	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	 
Utility knife	
Nipper	
Plastic Hera Jig	

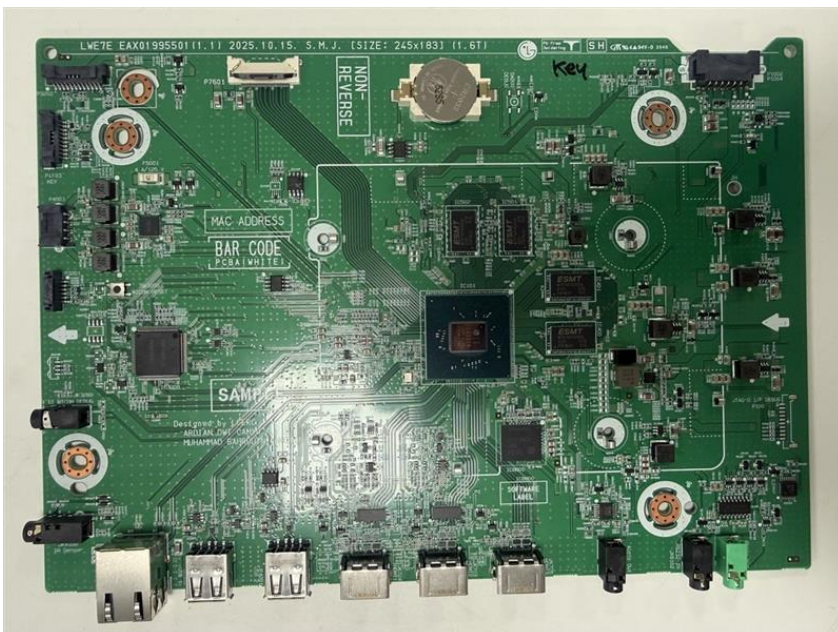
3. Product Disassembly Process

1. Batteries

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



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



3. Product Disassembly Process

2. PCBs and LCD Module

After back cover is removed, power board, main board, and wires in machine can be replaced.

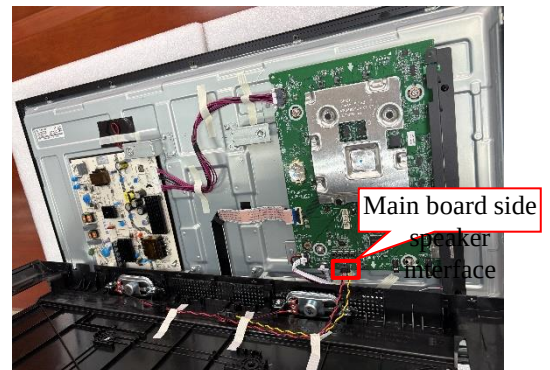
Horizontally put machine on table, please don't put the machine directly on table, it is better to put machine on a foam or pad.

1.Remove M3x5mm screw 13EA by screw driver to back cover.



M3X5 mm

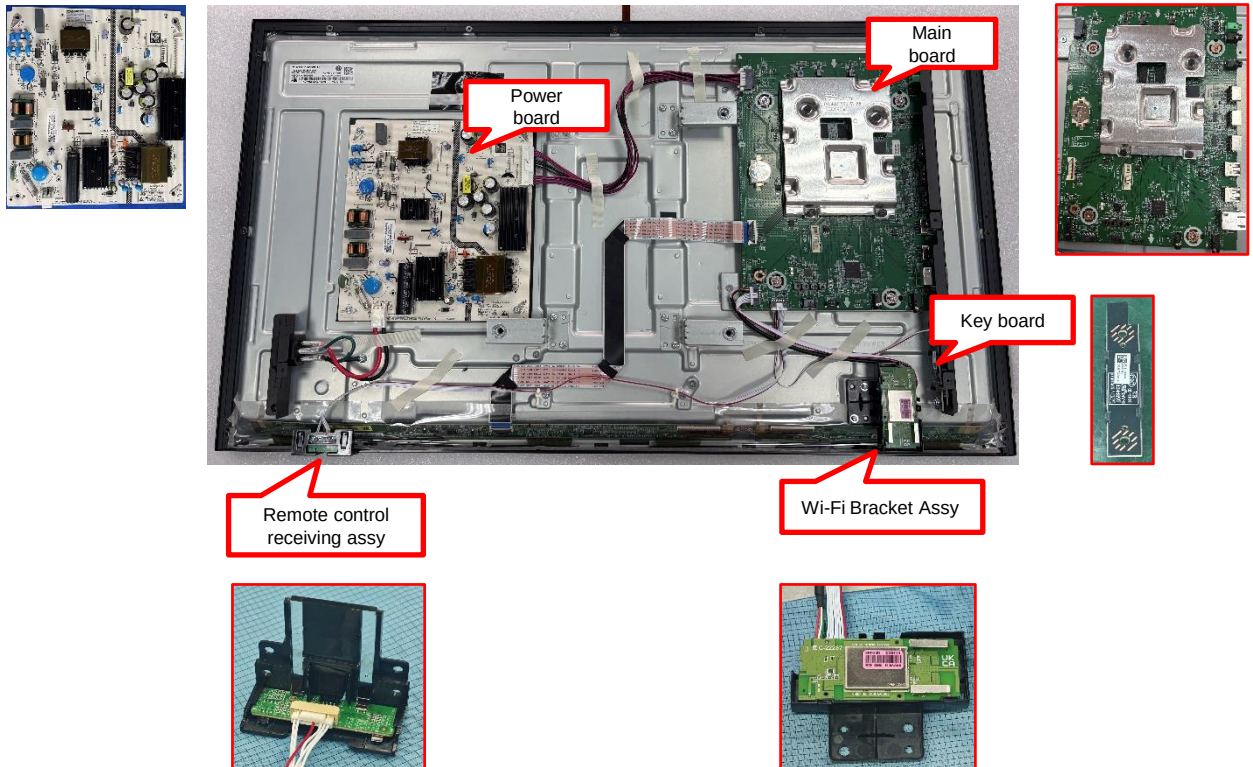
2.Grasp both sides of the back cover with both hands, slowly lift it up, and disconnect the speaker cable interface of the main board as shown in the diagram.Then remove the back cover.



3. Product Disassembly Process

2. PCBs and LCD Module

3. After removing the back cover, the interior view is as follows:



3. Product Disassembly Process

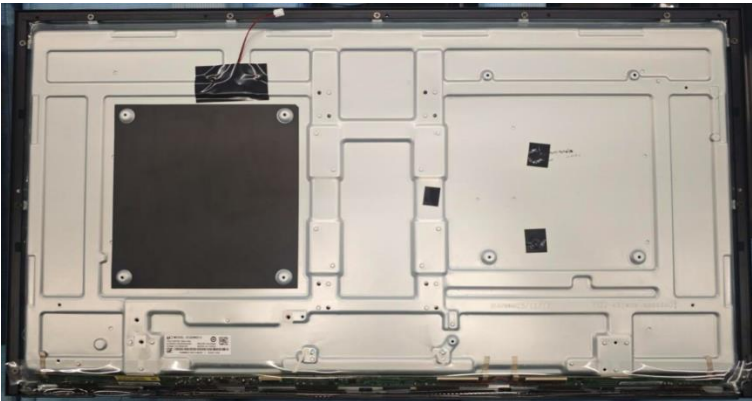
3. Plastics containing Brominated Flame Retardants

Plastic of speaker, cable connector, fan 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



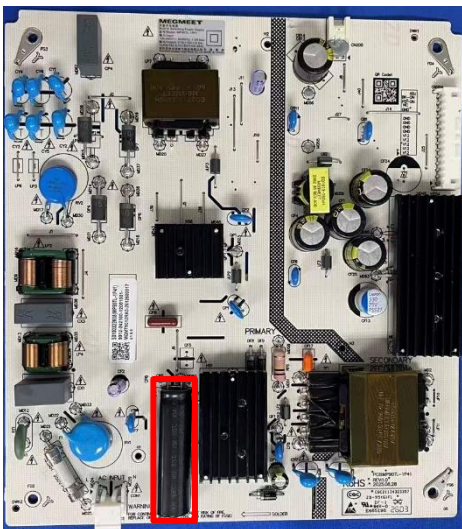
Power Cord



RS232C Cable

6. Capacitors > 25 mm

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



Location: CP5 Size: 13mm * 45mm

4. Disassembly of External enclosure

Horizontally put machine on table, please don't put the machine directly on table, it is better to put machine on a foam or pad.

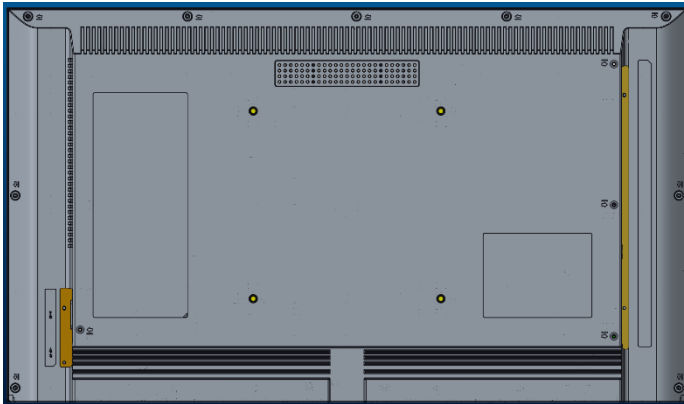


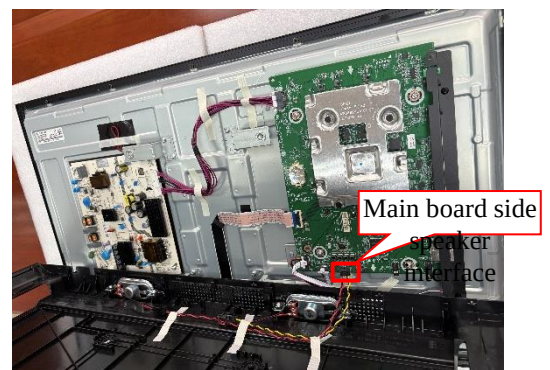
Fig. 1 Put the set on the clean vinyl

1.Remove M3x5mm screw 13EA by screw driver to back cover.



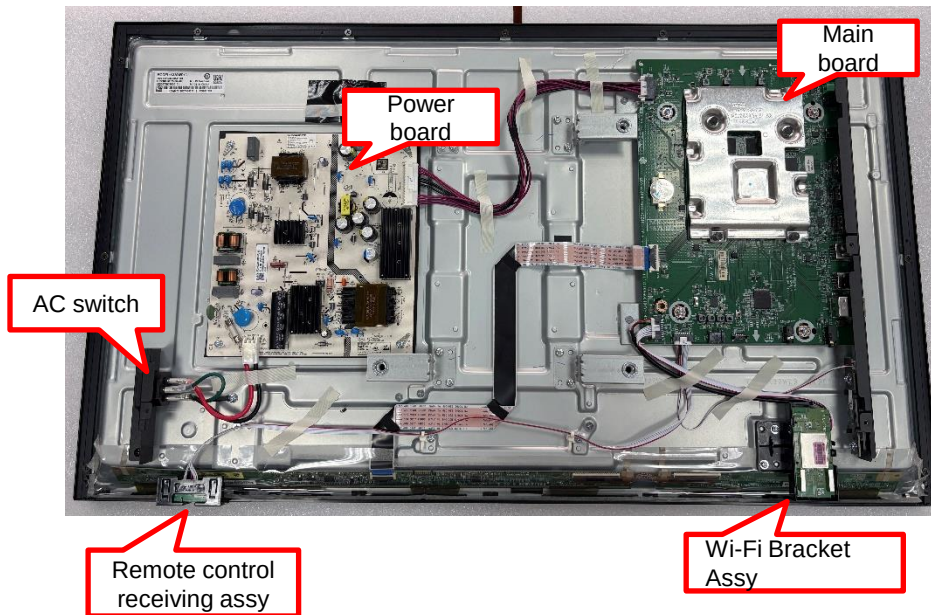
M3X5 mm

2.Grasp both sides of the back cover with both hands, slowly lift it up, and disconnect the speaker cable interface of the main board as shown in the diagram.Then remove the back cover.

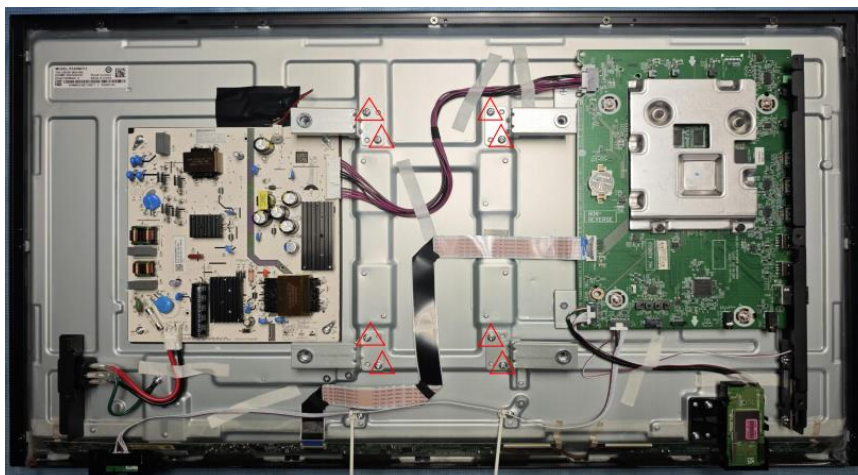


4. Disassembly of External enclosure

.After removing the back cover, the interior view is as follows:



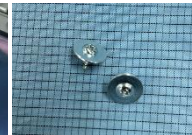
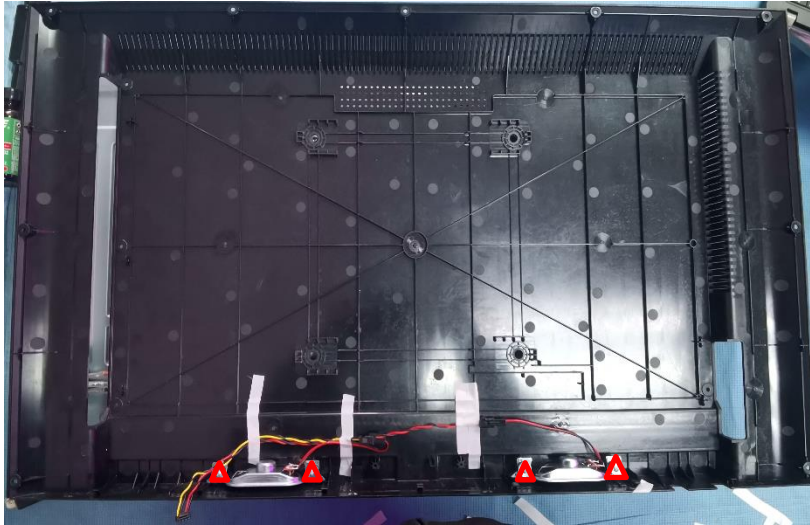
Remove M4x6mm screw 8EA by screw driver to VESA bracket



M4X6 mm

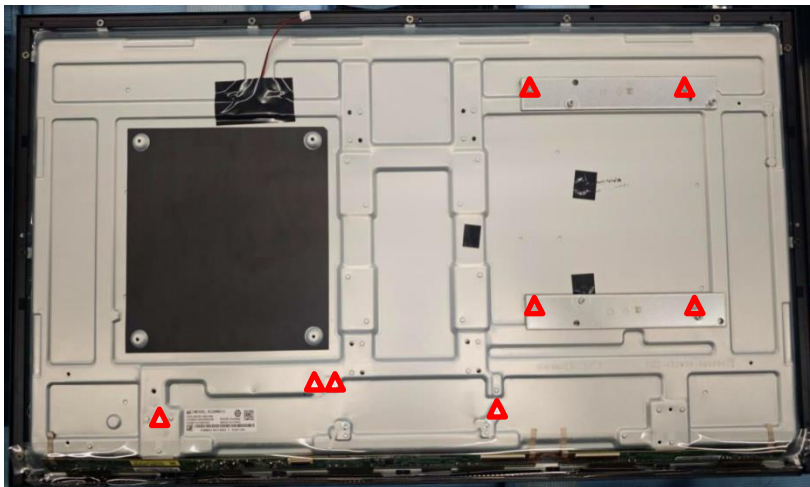
4. Disassembly of External enclosure

The sperakes is located on the back cover,remove ST3x6mm screw 4EA by screw driver to Speakers



ST3X6 mm

Remove M3x4 mm screw 8EA by screw driver to main board bracket and plug hole



M3X4 mm

4. Disassembly of External enclosure

Entire machine disassembly is completed

