# 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** | **LED TV** |
| **Model name** | **50QNED85B##, 50QNED86B##, 50QNED87B##, 55QNED85B##, 55QNED86B##, 55QNED87B##, 65QNED85B##, 65QNED86B##, 65QNED87B##**<br><br>**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.

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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

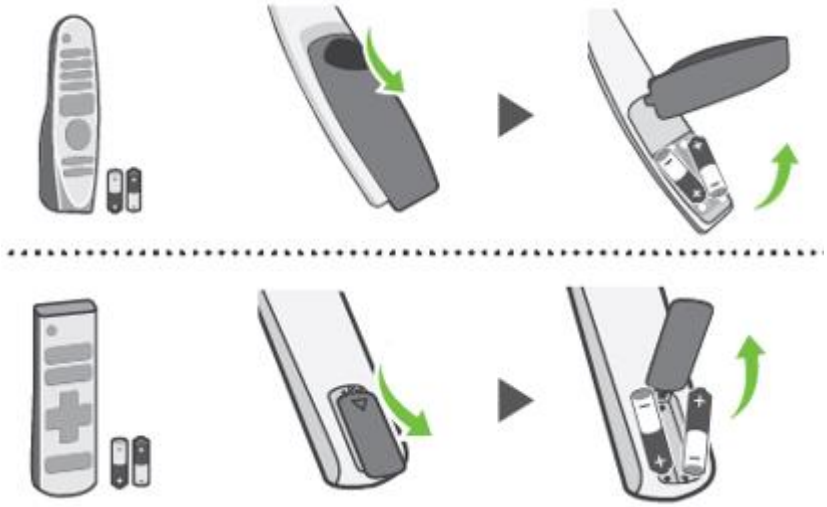
List the type that would typically be used to disassemble the product to a point where components and materials requiring selective treatment can be removed.

| Tool Description | Tool information |
|---|---|
| Screw driver |   |
| Nipper |  |
| Paddle(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.

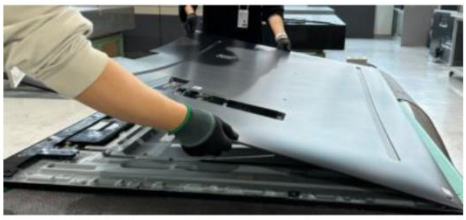


# 3. Product Dismantling Process

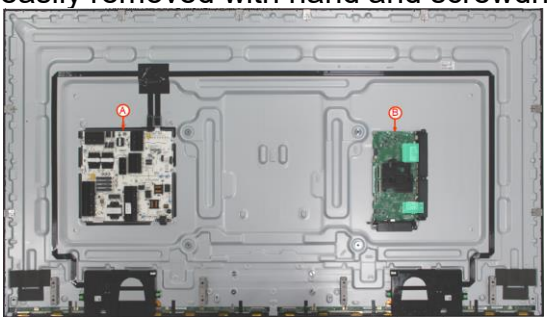
## 2) PCBs and LCD Module

The back cover of the display can easily be removed by hand and screwdriver.

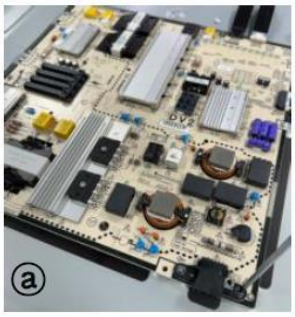


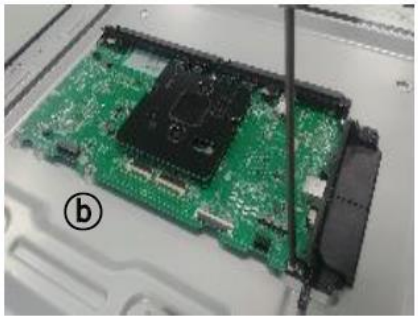



Once removed, this will expose the accessible electronic units (PCBs) which can now be easily removed with hand and screwdriver.

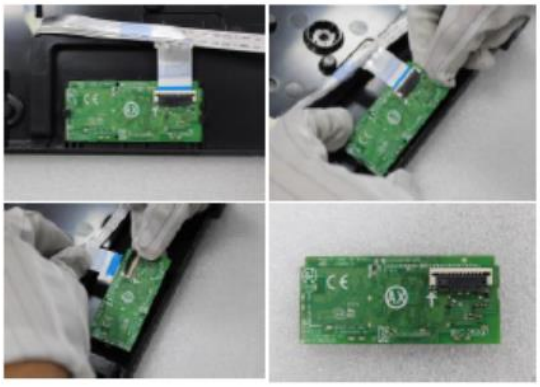



Remove WIFI module

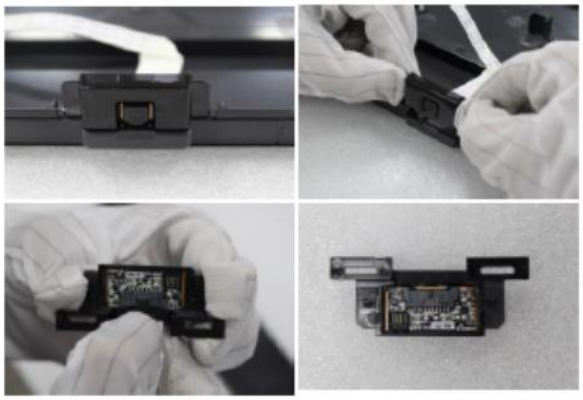


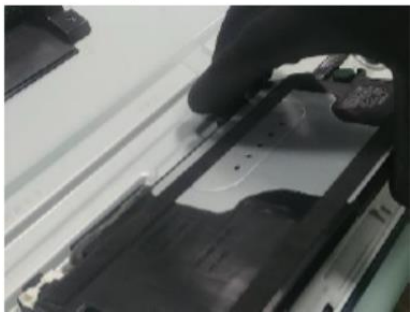



Remove IR module



Remove Speaker





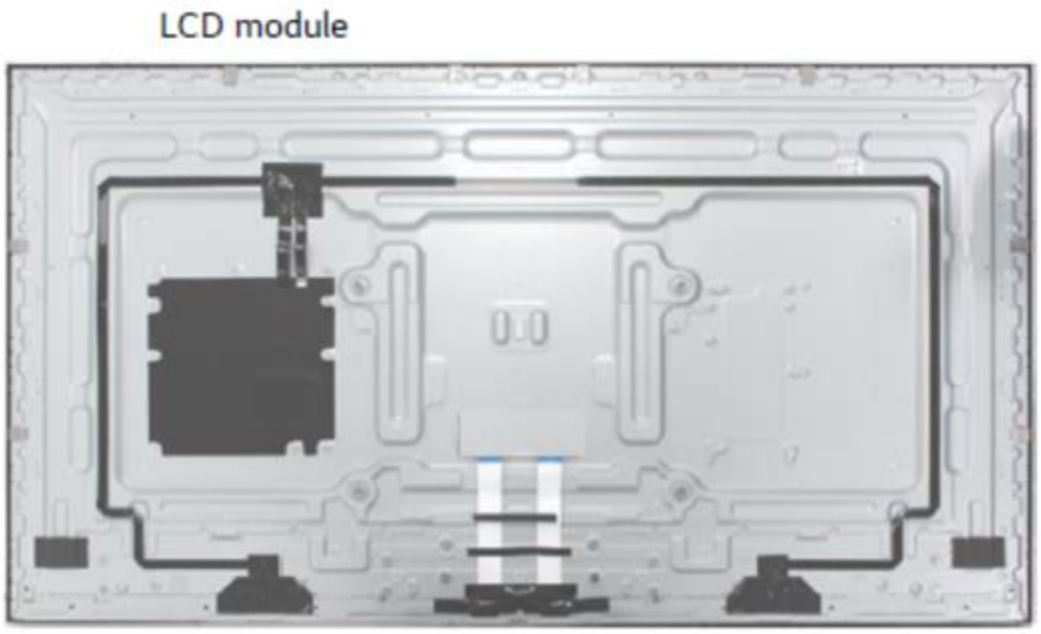
# 3. Product Dismantling Process

### 3) Plastics containing Brominated Flame Retardants

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

### 4) LCD Module

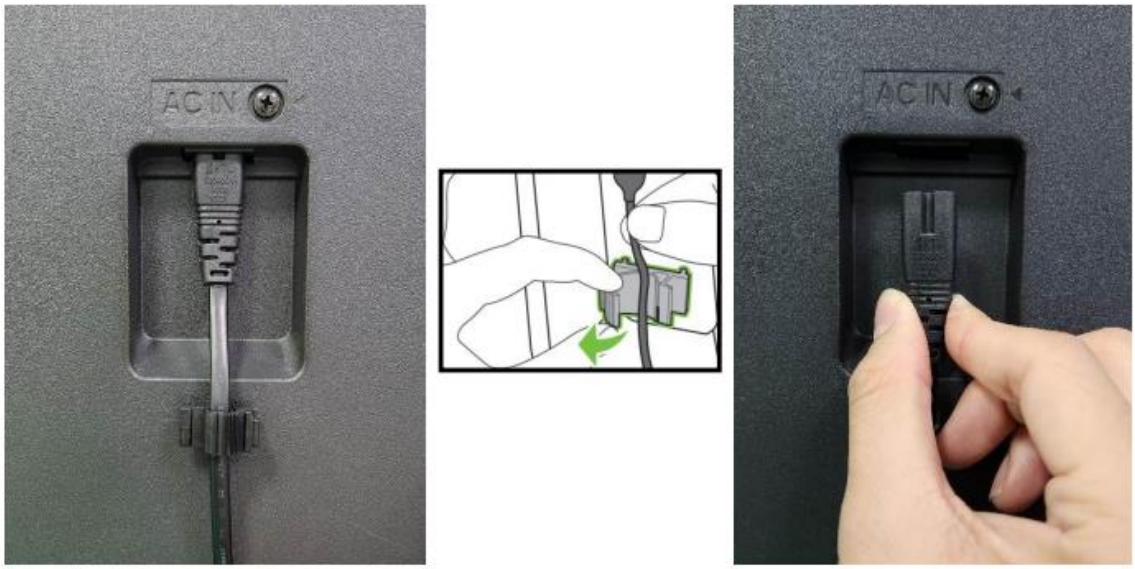
LCD (together with their casing) is only left after all other parts like electronic units have been removed.



# 3. Product Dismantling Process

## 5) Power cord

A Power cord plugged into the back of the display can easily be removed by hand




## 6) Capacitors > 25 mm

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

