

# **Technical documentation for Eco-design**

**Product : Vacuum Cleaner**

**Model : A9C-AIR1E**

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# **Part 1. General information**

## **1. Product**

- Product name : Vacuum cleaner
- Model name : A9C-AIR1E



## **2. Explanation of series (or derivation) model of the same product**

This technical documentation covers series (or derivation) model [A9C-AIR1E] which has same conceptual design and manufacturing drawing and the series (or derivation) model have same high risk parts and applications exempted under RoHS.

## **3. Manufacturer**

- Company name : LG Electronics Inc.
- Address : LG Twin Towers, 128 Yeoui-daero, Yeongdeungpo-gu, Seoul, 07336, Korea

## **4. Information on technical documentation**

- Issued date (DD/MM/YYYY) : 12/05/2025
- Revision number (if applicable) : 1.0
- Written by : Seung Yun, Baek
- Reviewed by : Im Soo, Choi

## Part 2. Information relevant for non-destructive disassembly for maintenance purposes and for dismantling, recycling, recovery and disposal at end-of-life

### 1. Disassembly, assembly and repairing policy

When separating pre-separated parts and materials from the product, they can be separated using only ordinary tools. Designed in consideration of the minimization of the type of fastening to increase fastening to facilitate disassembly and dismantling.

### 2. How to disassemble/dismantle parts

#### 1) Main Product

- Handy parts

##### 1. How to replace the main body, Handle



(1) After disassembling the battery, disassemble the two screws (M3\*8) on the handle side.



(2) Disassemble by pulling the handle in the direction indicated.



(3) Disconnect the 4 marked connectors out of the five connected harnesses.

- Filter/Dust bin parts

##### 2. How to replace main body filter/dust bin



(1) After disassembling the battery, disassemble the two screws (M3\*8) on the handle side.



(2) Disassemble by pulling the handle in the direction indicated.



(3) Disconnect the 5 marked connectors out of the five connected harnesses.



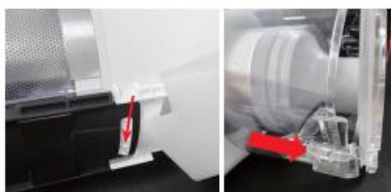
(4) Disassemble the cover pipe using a tool such as a flat-blade screwdriver.



(5) Disassemble the 4 screws (M3\*8) marked on the pipe connector side.



(6) Remove 1 screw (M3\*10) from the bottom of the dust bin.



(7) Use a tool to unhook the marked hook and press the dust bin release button to disassemble the bottom plate.



(8) Disassemble the mesh cyclone filter.



(9) Pull down the dust bin and cover decoration to disassemble them.

## 2. How to disassemble/dismantle parts

### - Motor

#### 3. How to replace the Motor



(1) After disassembling the battery, disassemble the two screws (M3\*8) on the handle side.



(2) Disassemble by pulling the handle in the direction indicated.



(3) Disconnect the three marked connectors out of the five connected harnesses.



(4) Remove the exhaust filter.



(5) Disassemble the three screws (M3\*10)



(6) Separate the motor from the main body.

### - Pin PCB

#### 4. How to replace Pin PCB



(1) After disassembling the battery, disassemble the two screws (M3\*8) on the handle side.



(2) Disassemble by pulling the handle in the direction indicated.



(3) Disconnect the 5 marked connectors out of the five connected harnesses.



(4) Disassemble one screw (M2.6\*8) located at the bottom of the Pin PCB.

## 2. How to disassemble/dismantle parts

### - Bottom Plate

#### 5. How to replace Bottom Plate



(1) After disassembling the battery, disassemble the two screws (M3\*8) on the handle side.



(2) Remove 1 screw from the bottom of the dust bin.



(3) Disassemble by pulling the handle in the direction indicated.



(4) Use a tool to unhook the marked hook and press the dust bin release button to disassemble the bottom plate.

### - Slim Nozzle

#### 6. How to Disassemble the Nozzle Roller (Floor Nozzle \_ Slim)



(1) Press the Push button.



(2) Lower the side decor while holding the button.



(3) Remove the nozzle roller to the left.



(4) Remove the screw inside the roller hole.



(5) When you remove the screw, the roller and the injection moulding parts are disassembled.

## 2. How to disassemble/dismantle parts

### - Silm Nozzle

#### 7. How to Disassemble the Nozzle Motor (Floor Nozzle \_ Slim)



(1) Disassemble the nozzle roller. (For a detailed disassembly method, refer to How to Disassemble the Nozzle Roller.)



(2) Remove the center screw 1EA.



(3) Disassemble the button as shown in the photograph.



(4) Remove the screw from the butt on part.



(5) Disassemble the side decor as shown in the photograph.



(6) Disassemble the plate and bottom as shown in the photograph.



(7) Remove the screws 2EA.



(8) Disassemble the base nozzle as shown in the photograph.



(9) Remove the screw



(10) Lift the cover decor and disassemble the motor assembly.



(11) Remove the motor harness connector and replace the motor.



(12) Disassemble the cover and wire as shown in the photograph.



(13) When disassembling the cover and wire, you will find they are sturdily fastened with hooks.



(14) Disassemble the hose as shown in the photograph.



(15) Disassemble the hooks by pressing them as shown in the photograph.

#### 8. How to Disassemble the Nozzle terminal (Floor Nozzle \_ Slim)



(1) Disassemble the 4 marked screws.



(2) Disassemble the parts and disconnect the marked connectors.



(3) Disconnect the charging terminal from the component.



## 2. How to disassemble/dismantle parts

- Charging station

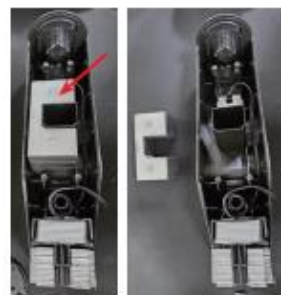
### 9. How to Disassemble the Adapter of charging station



(1) Disassemble the 8 marked screws.



(2) Separate the 2 marked parts from the charging Station.



(3) Remove the weight at the marked Part.



(4) Disassemble the 2 marked screws.



(5) Separate the adapter and adapter fixing parts.

### 3. Recycle policy information

#### - Product

Old electrical products can contain hazardous substances so correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.

Your old appliance may contain reusable parts that could be used to repair other products, and other valuable materials that can be recycled to conserve limited resources.

You can take your appliance either to the shop where you purchased the product, or contact your local government waste office for details of your nearest authorised WEEE collection point. For the most up to date information for your country please see [www.lg.com/global/recycling](http://www.lg.com/global/recycling)

#### - Battery

All batteries/accumulators should be disposed separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.

The correct disposal of your old batteries/accumulators will help to prevent potential negative consequences for the environment, animal and human health.

For more detailed information about disposal of your old batteries/ accumulators, please contact your city office, waste disposal service or the shop where you purchased the product.  
(<http://www.lg.com/global/sustainability/environment/take-back-recycling/global-network-europe>)