

Technical documentation for Eco-design

Product : Vacuum Cleaner

Model : A9xyz

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Part 1. General information

1. Product

- Product name : Vacuum cleaner
- Model name : **A9xyz**



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

This technical documentation covers series (or derivation) model [A9xyz] which has same conceptual design and manufacturing drawing and the series (or derivation) model have same high risk parts and applications exempted under RoHS.

[A9xyz]

- The 1st suffix "x" may vary "K-PRO" or "K-CORE" or "K-ULTRA" to denote cleaning nozzle provided.
- The 2nd suffix "y" may vary "0-9 or A-Z" or blank to denote type of nozzle provided.
- The 3rd suffix "z" may vary "0-9 or A-Z" or blank to denote type of product colour.

3. Manufacturer

- Company name : LG Electronics Inc.
- Address : LG Twin Towers, 128 Yeoui-daero, Yeongdeungpo-gu, Seoul, 07336, Korea
- Company name : LG Electronics Vietnam Hai Phong Co., Ltd.
- Address : Lot CN2, Trang Due Industrial Park, Le Loi Commune, An Duong District, Hai Phong City, 184800, Vietnam

4. Information on technical documentation

- Issued date (DD/MM/YYYY) : 25/02/2022
- Revision number (if applicable) : 1.1
- 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

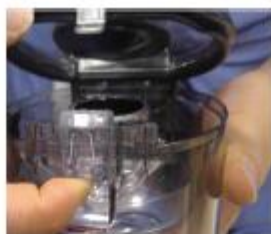
When separating pre-separated parts and materials from the product, they can be separated using only ordinary tools. Designed in consideration of the minimization of the type of fastening to increase fastening to facilitate disassembly and dismantling.

2. How to disassemble/dismantle parts

- Handy parts



(1) Remove the screws on the bottom of the product.



(2) Push the lever upwards to remove the plate.



(3) Remove the screws in the lower part.



(4) Push and pull the supporter cover as in the figure to remove it.



(5) Push the handy part as much as you can.



(6) Remove the housing.



(7) Remove the front cover.



(8) Remove the frame assembly filter by rotating it.



(9) Remove the screw from the Cover Assembly Décor.



(10) Remove the Cover Assembly Décor by pressing the compression lever.



(11) Lift the compression lever up.

2. How to disassemble/dismantle parts

- Main PCB



(1) Disassemble the handy part from the product body.



(2) Remove the button with a knife or a sharp object. Use a thick piece of paper in-between to protect the surface of the part, which will have to be replaced if damaged.



(3) Disassemble Screw in the button.



(4) Hold the bumper with a hand to remove it.



(5) Remove the harness from the handle.



(6) Remove the power PCB with a hand.



(7) Push the hook unit at the top and the main PCB unit using your hand.



(8) Pull the main PCB with a hand.

- Wifi PCB



(6) Separate the harness connected to the handle.



(7) Disconnect the Wifi connection terminal

2. How to disassemble/dismantle parts

- Motor



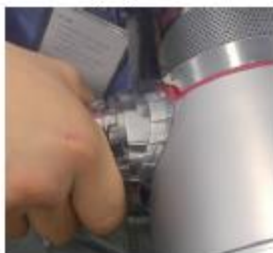
(1) Disassemble the decoration part with a flat headed screwdriver. (It will have to be replaced if damaged)



(2) Pull the pipe part with a hand.



(3) Remove the screws on the bottom of the pipe.



(4) Pull the pipe part with a hand.



(5) Remove the connector from the gasket.



(6) Remove the filter cover and the filter with a hand.



(7) Remove three screws from the air guide.



(8) Remove the gasket of the body and the motor, followed by the harness.



(9) Remove the motor from the body.
(10) Reassemble the whole part in the reverse sequence.

- Inlet(Silm)



(1) Press the Push button.



(2) With the button pressed, pull the Side Décor down.



(3) Remove the inlet port roller to the left.



(4) Remove the screw from the inside of the roller hole.



(5) When the screw is removed, the product will be separated into the roller and the molded injection part.



(6) Assemble the product in reverse order of disassembly.

2. How to disassemble/dismantle parts

- Inlet(Floor)



(1) Disassemble the inlet port roller. (Refer to the method to disassemble the inlet port roller for a detailed disassembly method)



(2) Remove one screw in the middle.



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



(4) Remove the screw from the button unit.



(5) Disassemble the Side Décor as shown in the figure.



(6) Disassemble the bottom plate as shown in the figure.



(7) Remove two screws.



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



(9) Remove the screw.



(10) Lift the Cover Décor up and disassemble the motor assembly.



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

2. How to disassemble/dismantle parts

- Inlet(Mop)



(1) Detach the mops and remove the screws (2EA) at the centre.

* Left screw: Remove anti-clockwise / Right screw: Remove clockwise

* Always use a manual screwdriver to remove the screws.



(2) Remove the screws from the bottom surface (12EA).



(3) Remove the top cover and base.



(4) Remove the two injection moulding parts as in the above photograph.



(5) Remove all harnesses connected to the PCB.



(6) Remove all injection moulding parts as in the above photograph.



(7) Pull out and replace the PCB.

(8) Reassemble following the reverse order of disassembly.

* When installing the screws in the mop plate, always replace the screws with new ones and assemble them using a manual screw driver.

* When putting together the mop plate, assemble it by turning the left screw clockwise and the right screw anti-clockwise.



(1) Disassemble the nozzle. (For a detailed disassembly method, refer to Pulling out the Mop Nozzle PCB)



(2) Remove the harnesses connected to the pump.



(3) Remove and replace the pump connected to the tube.

2. How to disassemble/dismantle parts

- Inlet(Carpet)



(1) Disassemble the inlet roller. (Refer to how to disassemble the inlet roller in details)



(2) Remove the cover of the right bump with a hand.



(3) Remove 6 screws in the red circle.



(4) Remove the cover below the inlet after removing the 4 screws.



(5) Remove the bump in the figure with a hand.



(6) Remove the top cover of the inlet.



(7) Remove the inlet motor.



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

- Handy decoration



(1) Use a flat headed screwdriver to insert the inner hook and open the gap of the decoration part.



(2) Apply the same method to other parts to open the decoration parts in the figure.



(3) Hold and pull the decoration assembly with a hand.

2. How to disassemble/dismantle parts

- Charging station(upper)



(1) Loosen the 3 screws from the base.



(2) Remove the screw from the groove in the red circle.



(3) Remove the base cover after removing the screw.



(4) Inside of the charging station



(5) Remove the terminals of the charging station.



(6) Remove the bump inside the terminals and take out the PCB.



(7) Remove the harness connector and replace the PCB.

- Charging station(lower)



(1) Remove the screw 6EA at the bottom of the charging base do it.



(2) Using the (-) screwdriver, separate the bottom surface.



(3) Remove the locker inside the charging base pipe using a (-) screwdriver.



(4) Remove the bottom of the charging base.

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

- 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>)