Rowenta AC6221 Teardown

This guide will simply teardown a Rowenta vacuum. I didn't want to disassemble totally it since I wanted it still works after that...

Written By: Bob
INTRODUCTION

I've found a vacuum in my utility room. Since I almost never use it, I thought it was a good idea to see how it works... So let's go!!

TOOLS:

- Phillips #00 Screwdriver (1)
  Long handle necessary or else certain steps will not be able to be completed.
- 2.5 mm Flathead Screwdriver (1)
Step 1 — Rowenta AC6221 Teardown

- The 4.8 Rowenta vacuum can be used for a variety of purposes.
- It is charged through its pedestal. The power of the pedestal is:
  - Input: 230V - 50 Hz - 7W (AC)
  - Output: 7.5V - 300 mA (DC)
Step 2

- This vacuum has several parts:
  - The tip
  - The reservoir which holds the dust and debris
  - The engine (4.8V)
  - The pedestal
  - The power supply

- From top to bottom, the reservoir contains 3 parts: the housing, container, and filter.

Step 3

- Remove the two outer Philips #00 screws from the bottom of the engine.

- The back of the circuit board will now be visible.
Step 4

- Remove the two inner screws.
- Insert a flat screwdriver between the cover and the base of the engine and remove the cover.

Step 5

- The wires of the vacuum are now visible.
Step 6

- The wires of the vacuum are now visible.
- The wires connect the charger light, switch, engine, and power wires.
- The green box labels the engine.
- The orange box labels one of the four batteries (4*1.2V)
Step 7

- The top of the circuit board contains components including capacitors, resistors, wires, and a chip.
- The bottom side shows the tracks that connect the components.
Step 8

- Remove the screw securing the handle with a screwdriver.

- Open the handle to see the inside using the flat screwdriver.

⚠️ Warning: The handle is difficult to open

⚠️ Warning: In this procedure, the handle was not opened to keep the vacuum intact.
Step 9

- This is the pedestal that will be torn down.

Step 10

- At the bottom of the pedestal, remove the 4 rubber pieces.
  
  Note: This step provides access to 4 Philips screws.

- Remove screws using a screwdriver.
Step 11

- Lift the plastic piece carefully from the bottom of the pedestal.

Step 12

- Inside the pedestal, the power cable separates into 2 wires. Each wire is connected to a conductive piece.

- This completes the vacuum cleaner teardown.

To reassemble your device, follow these instructions in reverse order.