



# Prem Air Circulator Fan 18" Voltage Capacitor Replacement

This guide will explain how to replace the Voltage Capacitor of the Prem Air Circulator When it is broken.

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## INTRODUCTION

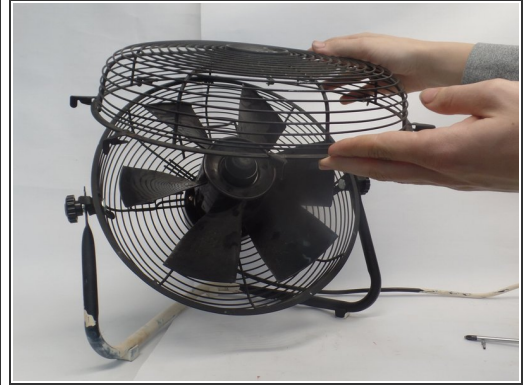
When the fan does not work when it is connected tot the wall, an incomplete power circuit connection or the regulator is most likely to cause disfunction. In this repair guide, we will open the fan until the point that all components are accessible. If the transformer is not causing the problem you will be able to inspect all components visually.



### TOOLS:

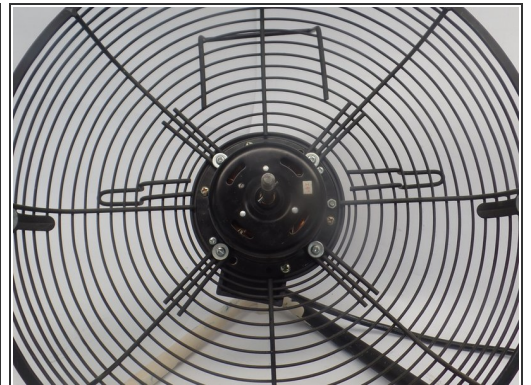
- [Phillips #2 Screwdriver](#) (1)
  - [iFixit Tech Knife](#) (1)
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## Step 1 — Voltage Capacitor



- Open up the cap of the ventilator by turning the clips on the side outwards.
- Remove the screw on the bottom.

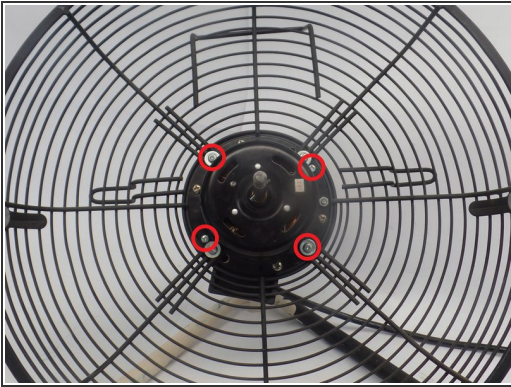
## Step 2



- Remove the propellor by turning loose the knob and pulling out the propellor.



### Step 3



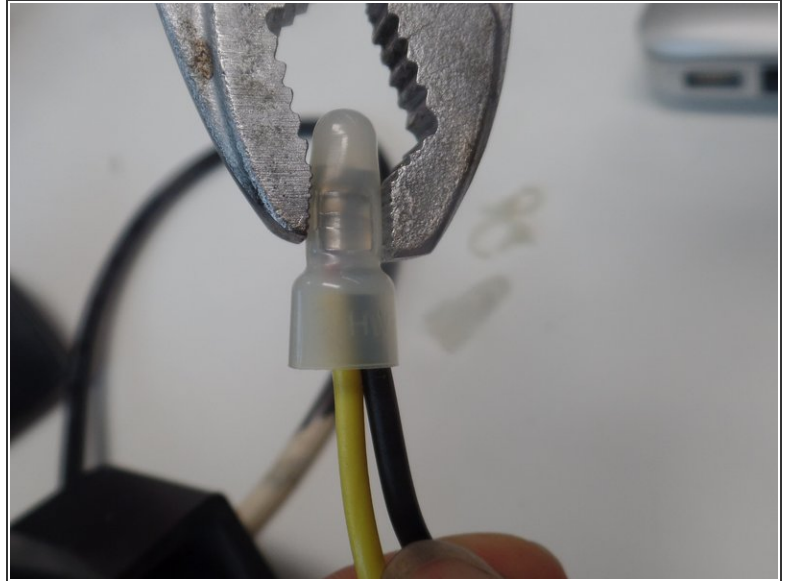
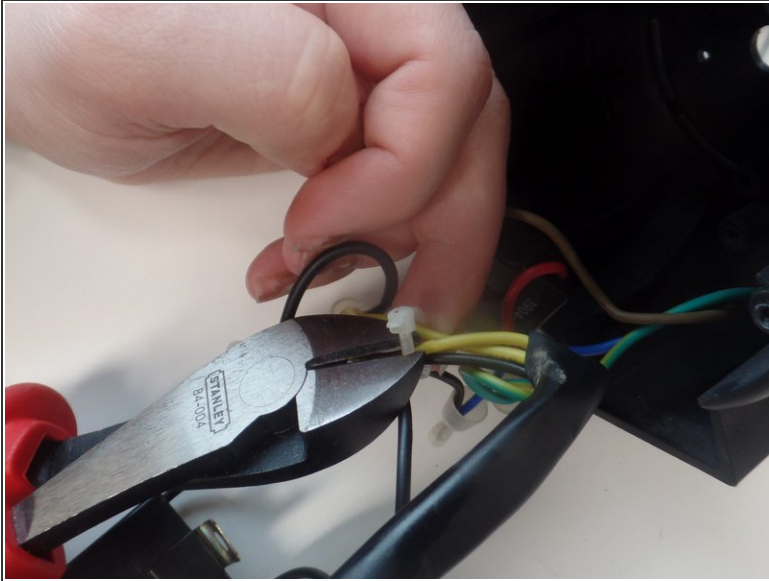
- Identify the screws to remove.
- Pull back the plastic back.

### Step 4



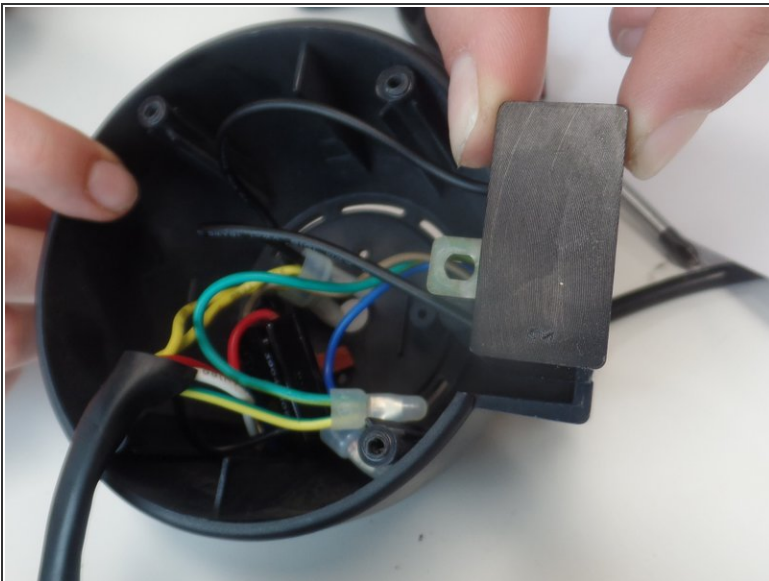
- Remove the screw on the back of the body to disassemble the Voltage Capacitor from the body.

## Step 5



- Disconnecting the wires.
  - Cut the tie-wraps keeping the wires together.
  - Remove the white caps from the wires between the black and yellow wires.

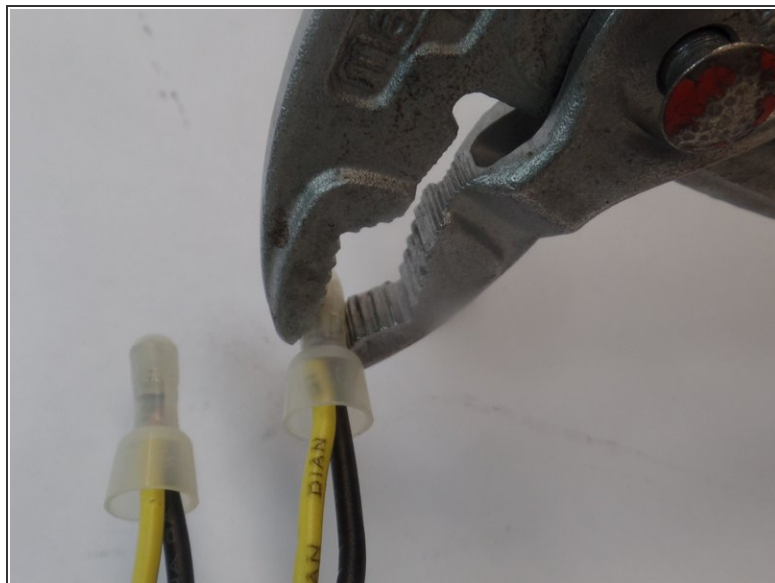
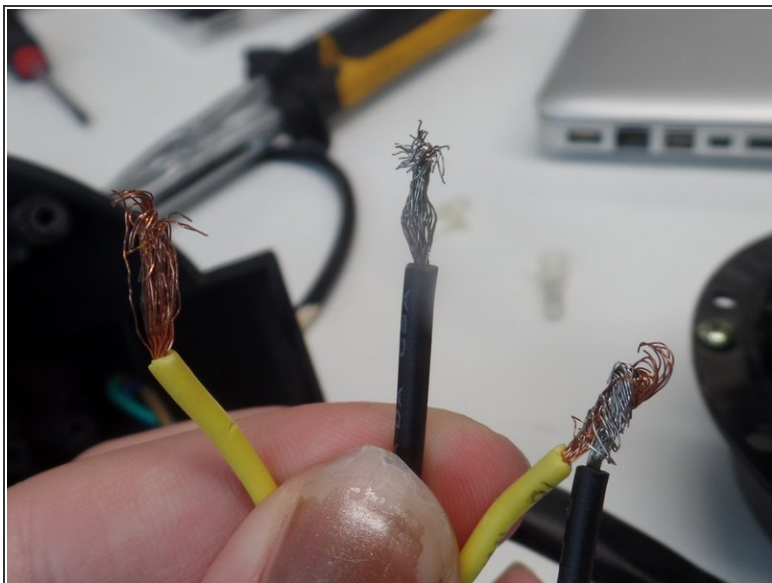
## Step 6



- Remove the regulator.



## Step 7



- Connect the new Voltage Capacitor wires with the wires where the old capacitor came from.
- Make sure the wire tips are integrated.
- Put back the protection caps and push them tight. (you could also use new ones).

## Step 8



- Assemble the regulator.
- Place the new Voltage Capacitor at the right place and screw back the screw to hold it there.

## Step 9



- Reverse the disassembly steps 1 to 3 to put the product back together.

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