



Stealth Regulated DC power supply Teardown

a teardown of a regulated power supply, using the a screwdriver and a pair of pliers, No iFixit toolkit was used.

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INTRODUCTION

Company Name : Stealth

Device Model : SPSU 107 BBT

Device Description : Regulated DC Power Supply

Specifications :

- Inputs: 230 V AC , 50 Hz
- Output: 13.8 V DC ,
- 10 Amps Constant
- 12 Amps Surge
- A fuse is installed for device protection, should there be a surge of current overflow, a LED switches ON to indicate a FAIL in the regulation of Power supply .

Components list :

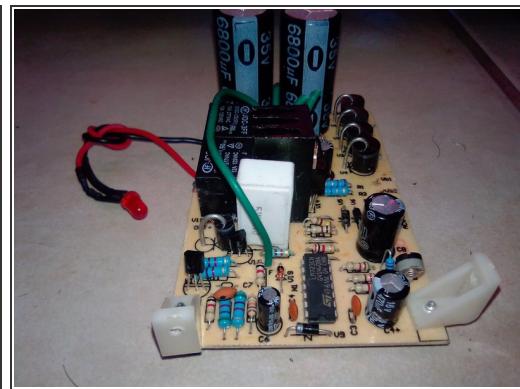
-Regulated Power Supply Circuit Board :

1. IC - LM723 CN
2. Transistor - D880Y
3. NPN Voltage regulated Transistor- C1008
4. Power resistor - 5W2RJ
5. Subminiture Power relay Switch - JQC-3FF
6. Electrolytic Capacitors- {6800microFarad, 1000microFarad, 100microFarad, 1microFarad , 470microFarad}
7. Ceramic capacitors
8. Briged NP Diodes- IN5408
9. Briged NP Diodes - 6A10
10. Resistors.

TOOLS:

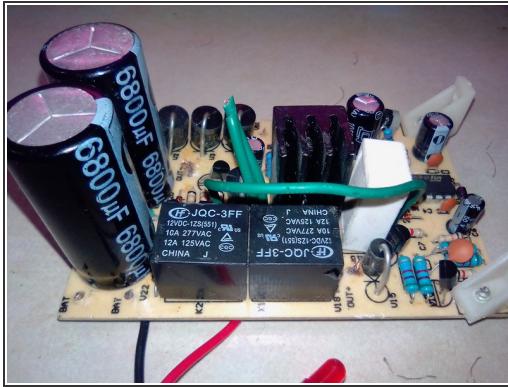
- Beyer Soldering Iron, 60 Watts (1)

Step 1 — Stealth Regulated DC power supply Teardown



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Step 2



- Insert wisdom here.

Step 3



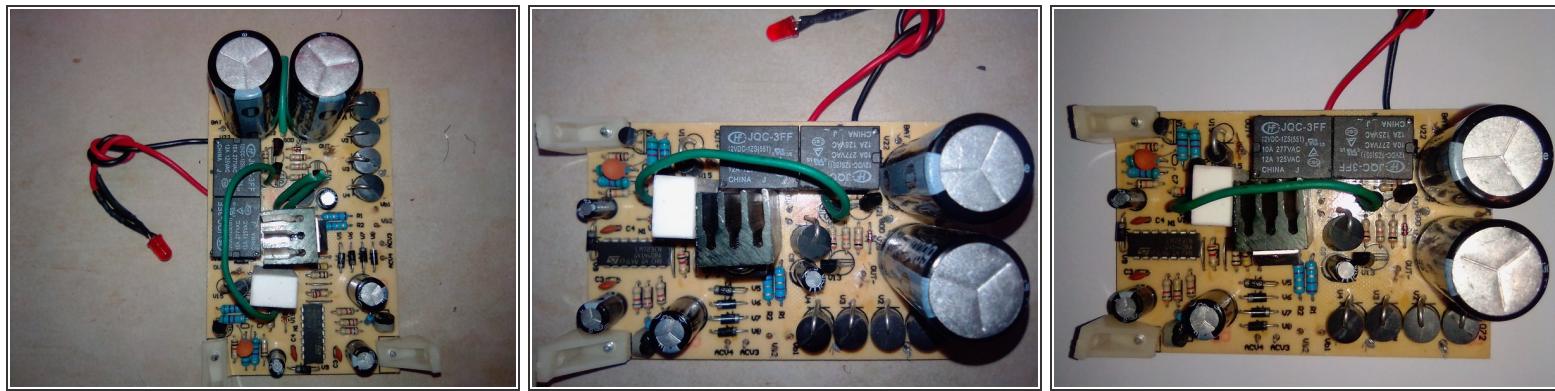
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Step 4



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Step 5



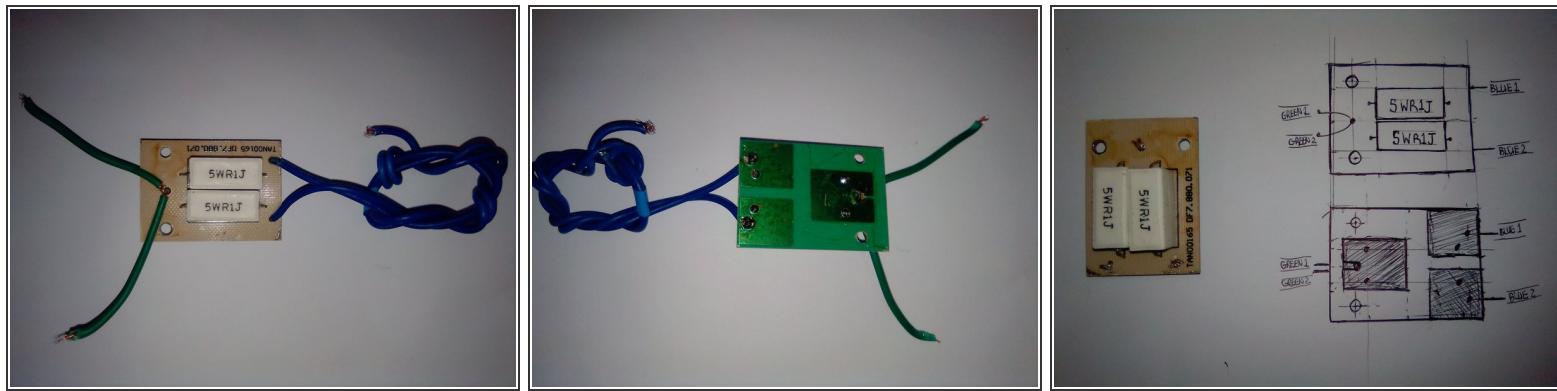
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Step 6



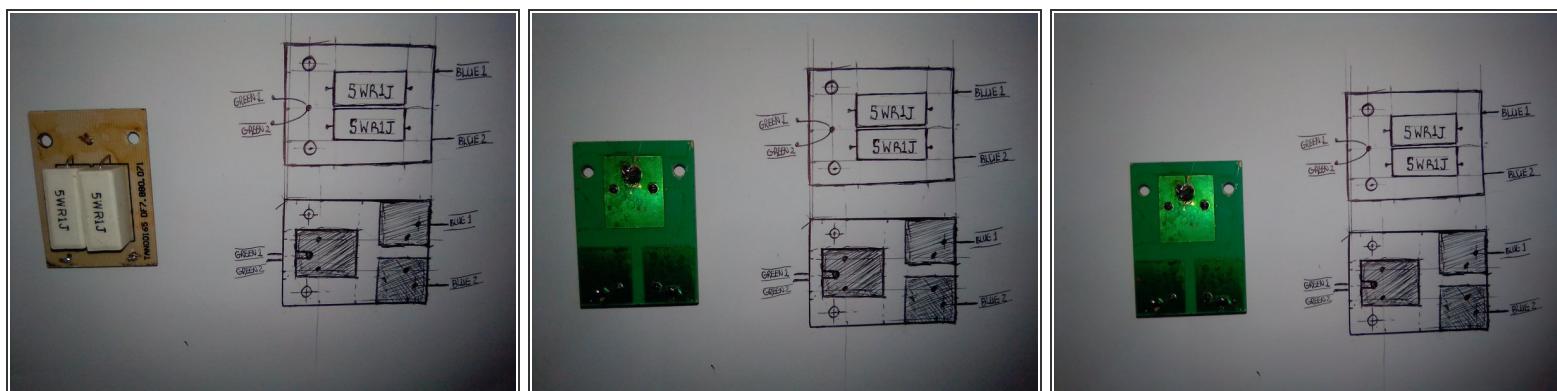
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Step 7



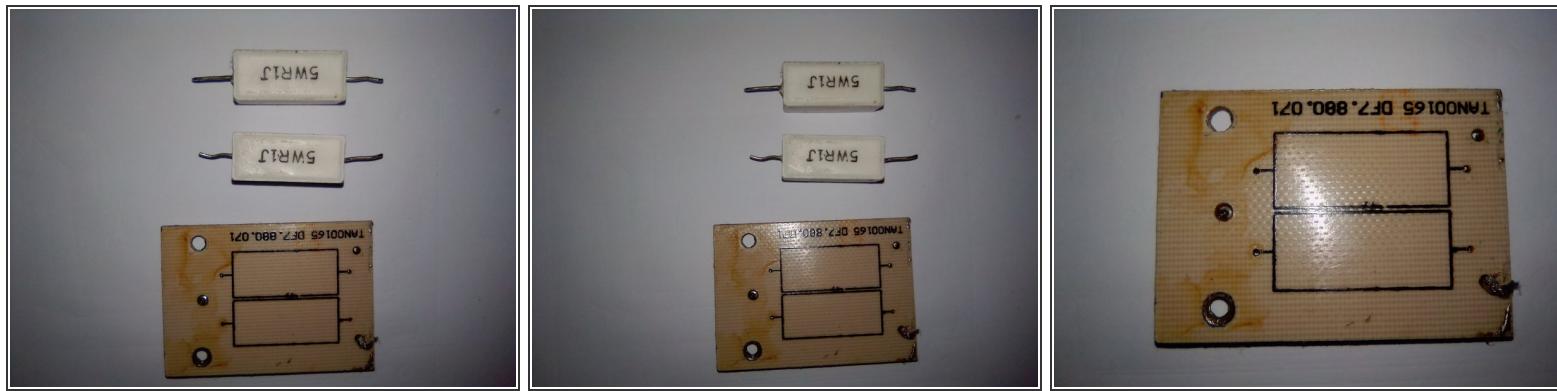
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Step 8



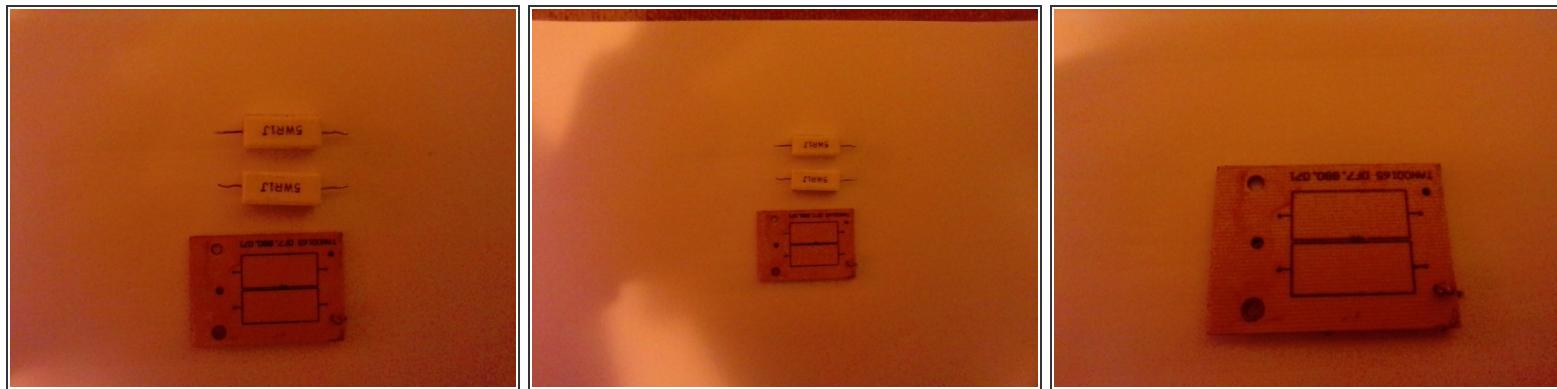
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Step 9



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Step 10



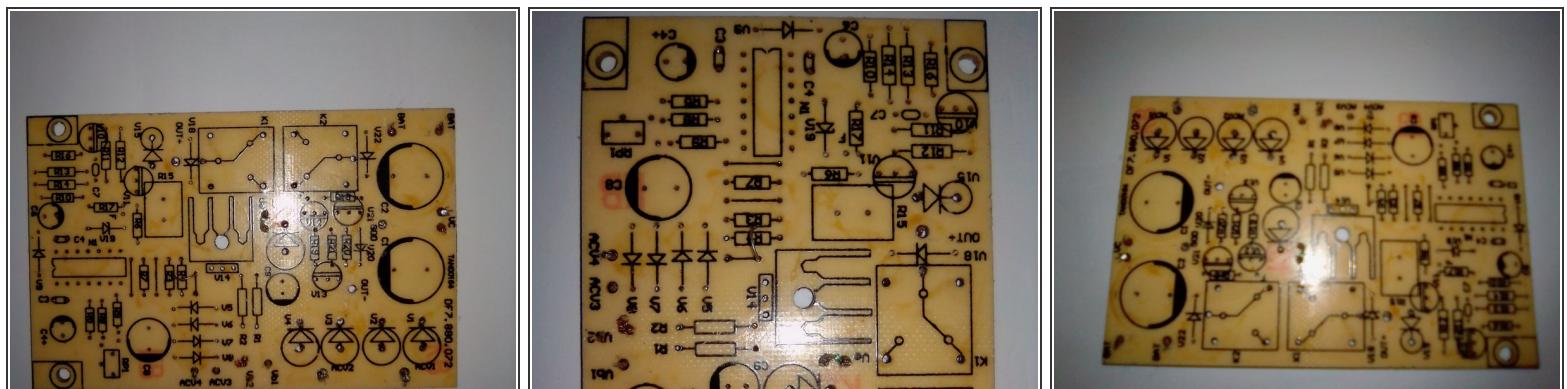
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Step 11



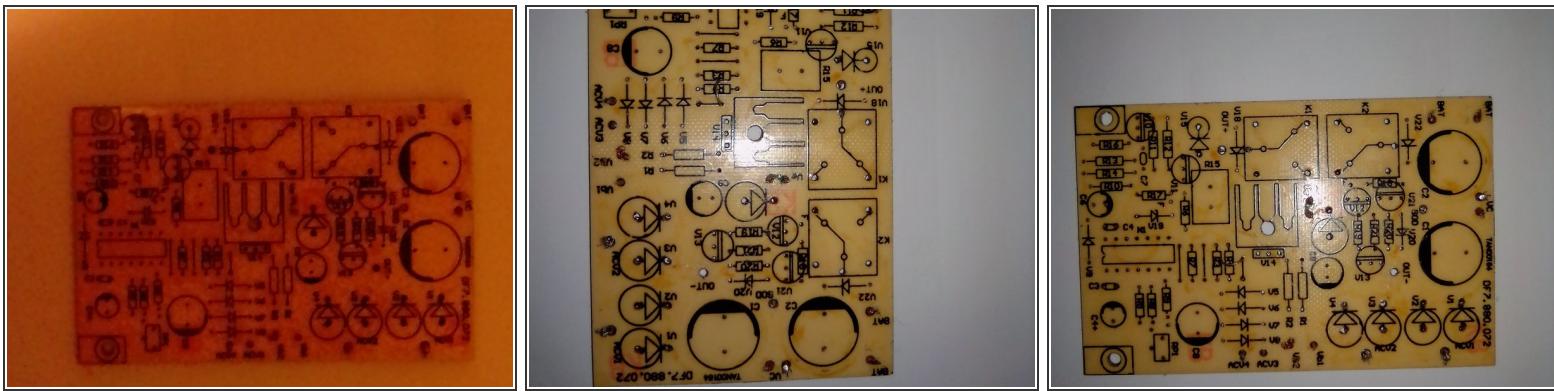
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Step 12



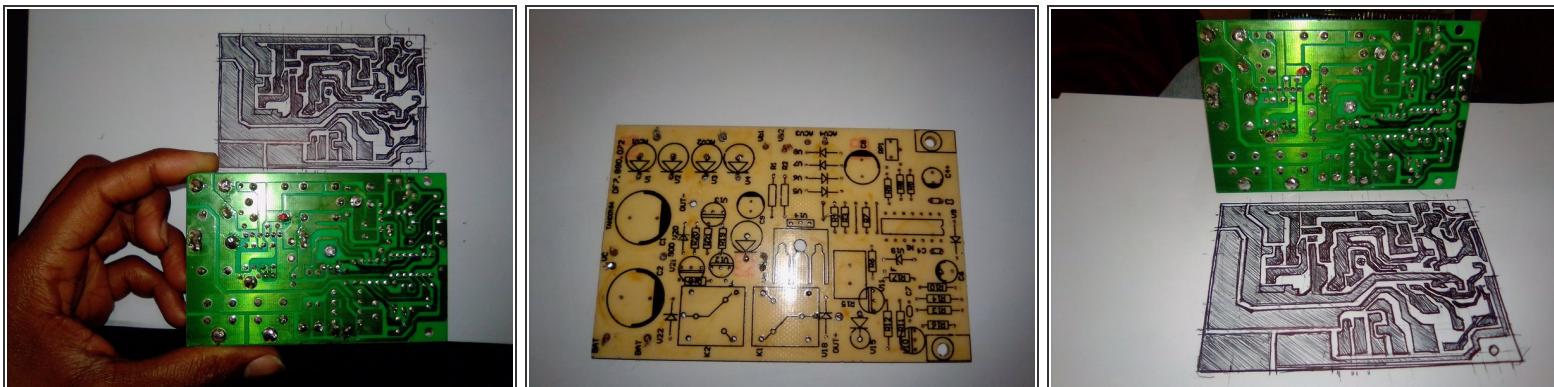
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Step 13



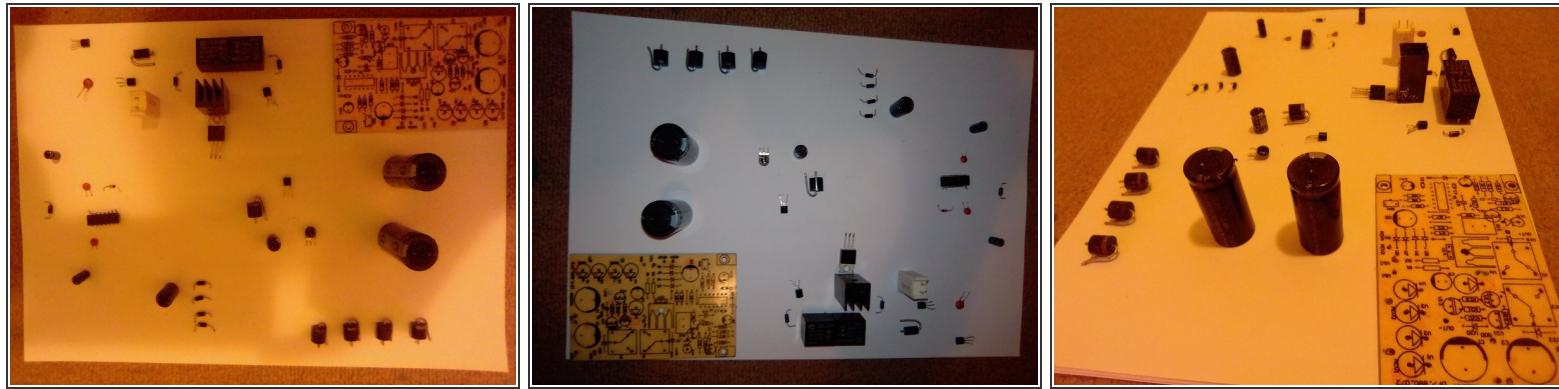
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Step 14



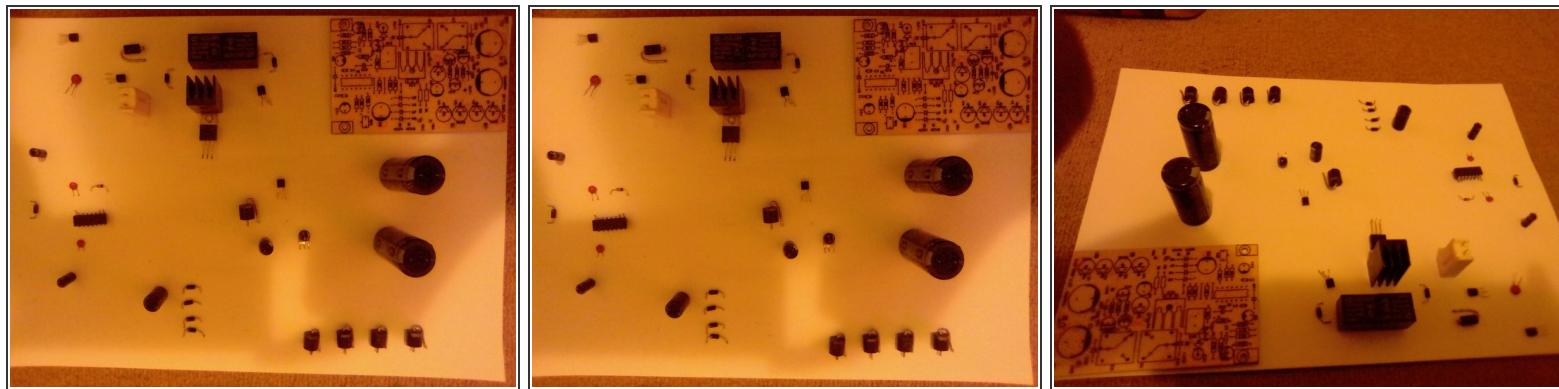
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Step 15



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Step 16



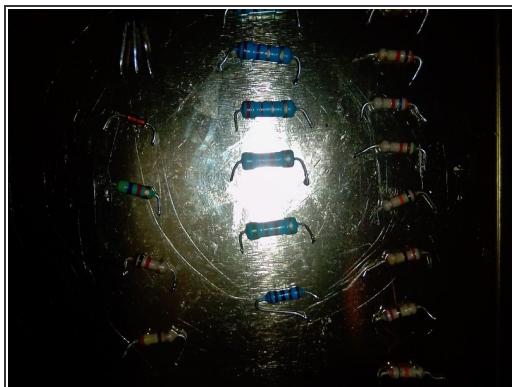
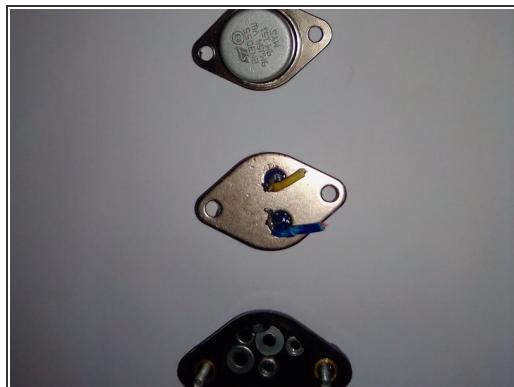
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Step 17



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Step 18



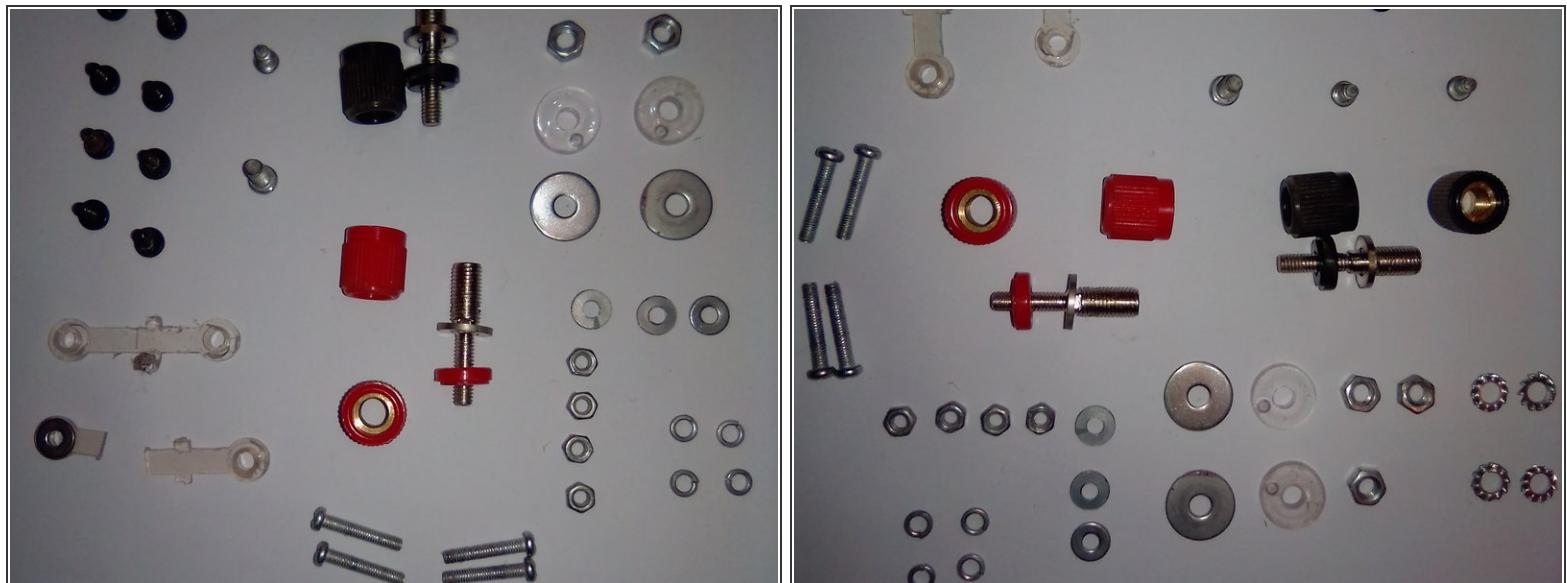
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Step 19



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Step 20



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