



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.

Written By: Siphesihle Zangqa



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 :

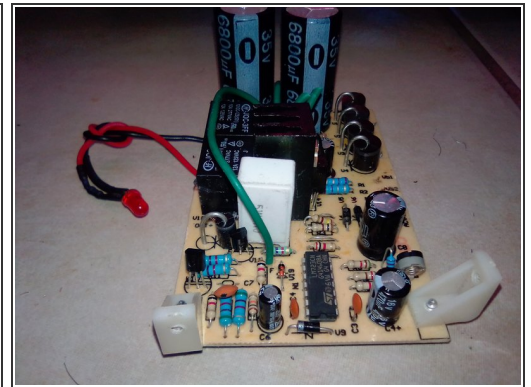
1. IC - LM723 CN
2. Transistor - D880Y
3. NPN Voltage regulated Transistor- C1008
4. Power resistor - 5W2RJ
5. Subminiature Power relay Switch - JQC-3FF
6. Electrolytic Capacitors- {6800microFarad, 1000microFarad, 100microFarad, 1microFarad , 470microFarad}
7. Ceramic capacitors
8. Bridged NP Diodes-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



TOOLS:

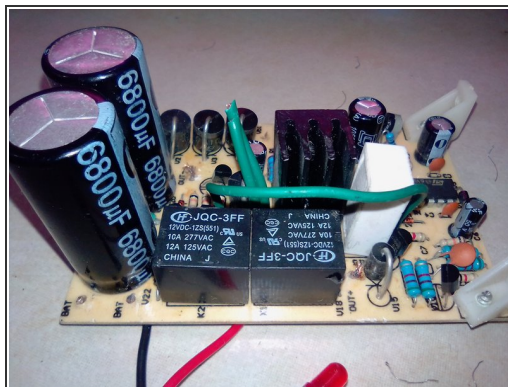
- [Beyer Soldering Iron, 60 Watts](#) (1)
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Step 1 — Stealth Regulated DC power supply Teardown



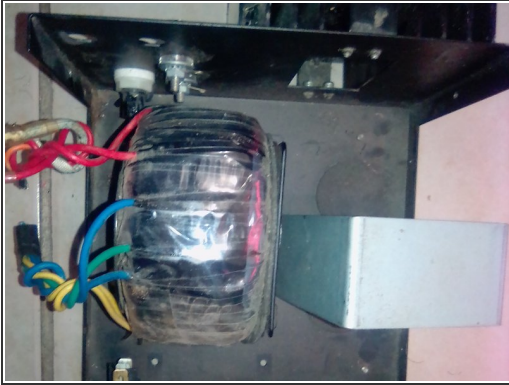
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Step 2



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Step 3



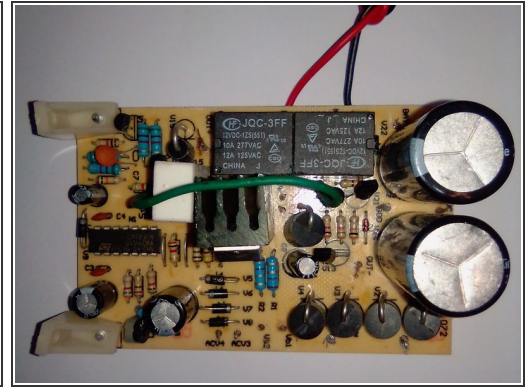
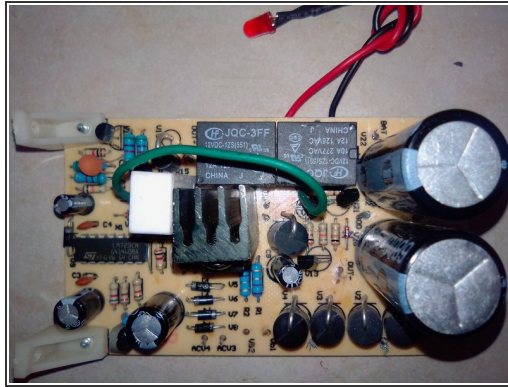
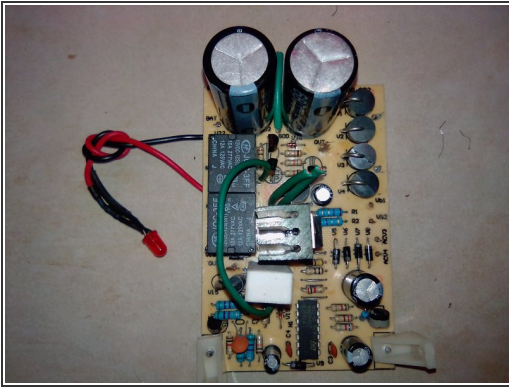
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Step 4



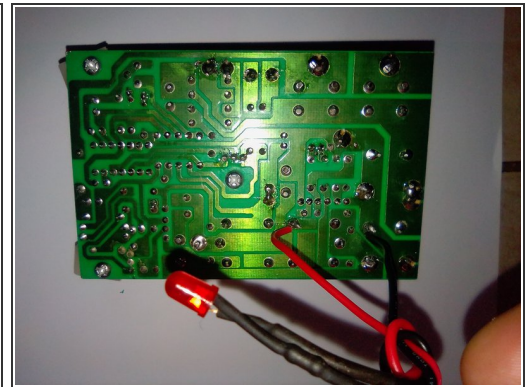
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Step 5



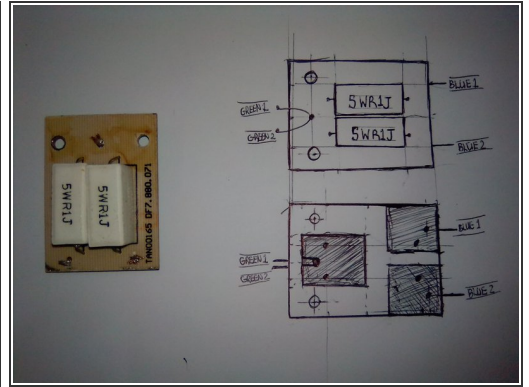
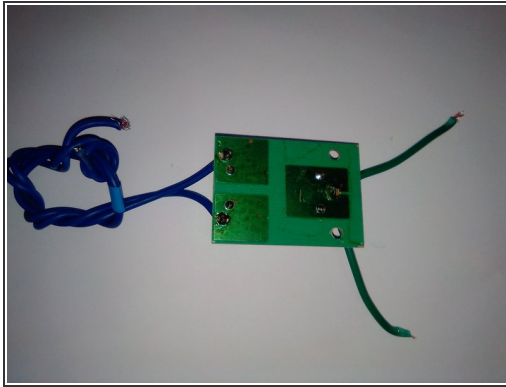
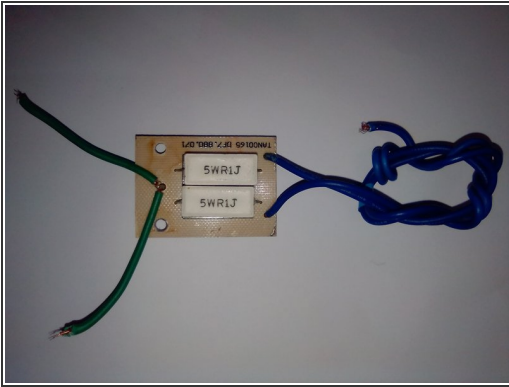
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Step 6



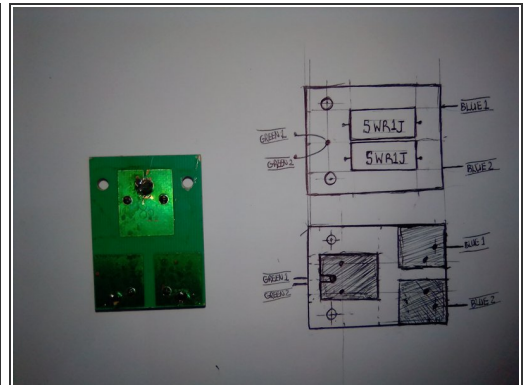
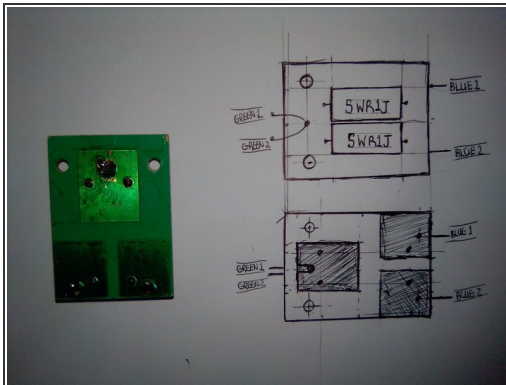
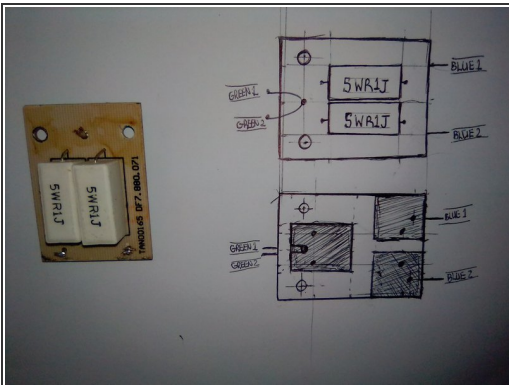
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Step 7



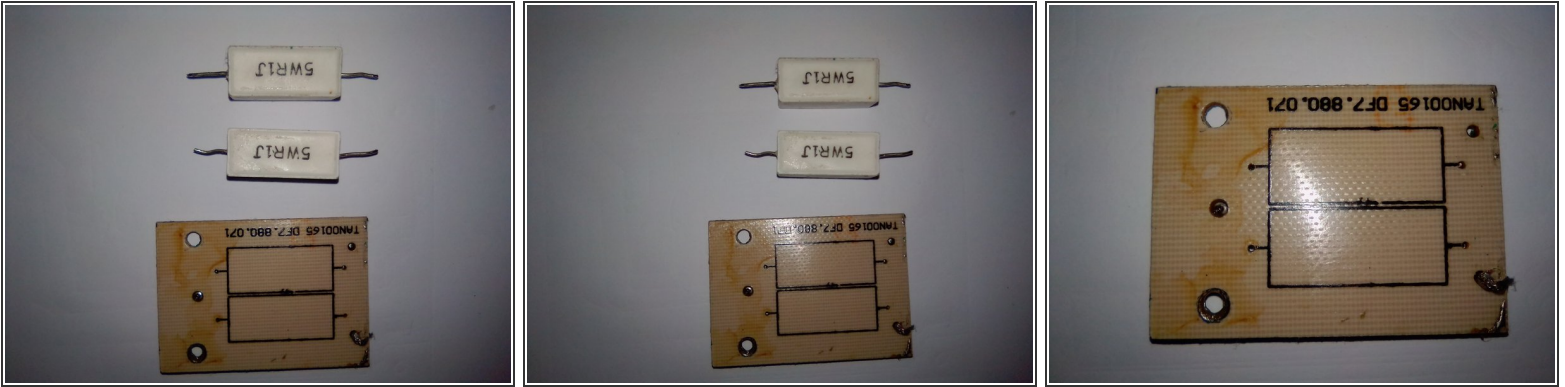
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Step 8



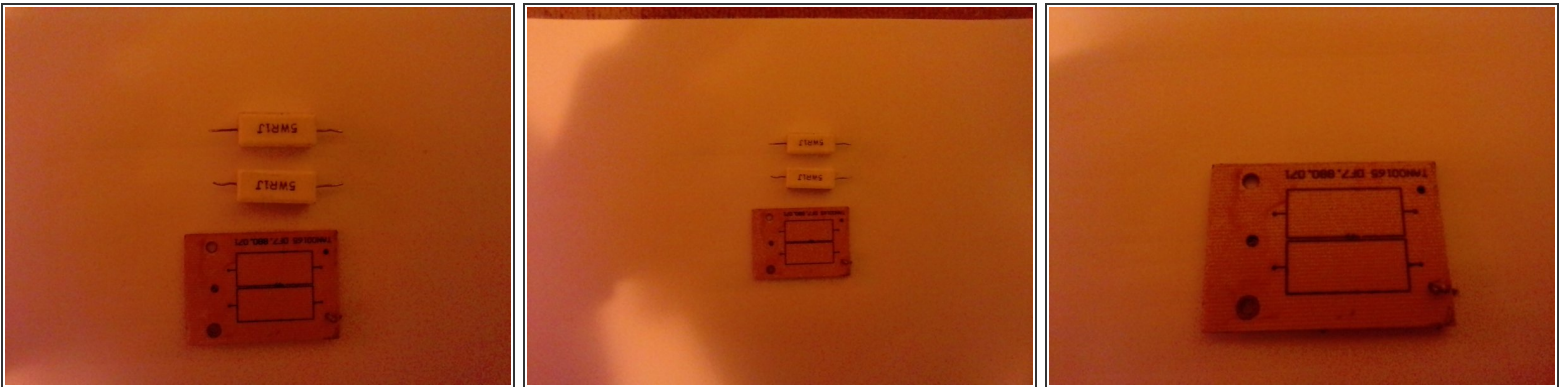
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Step 9



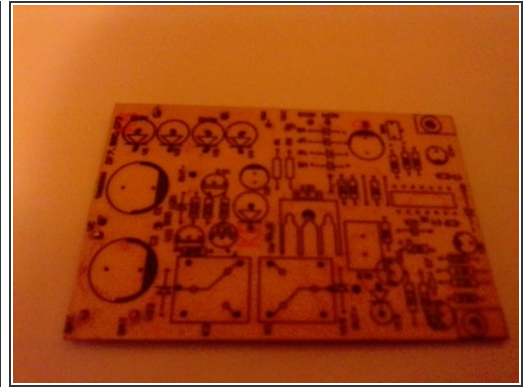
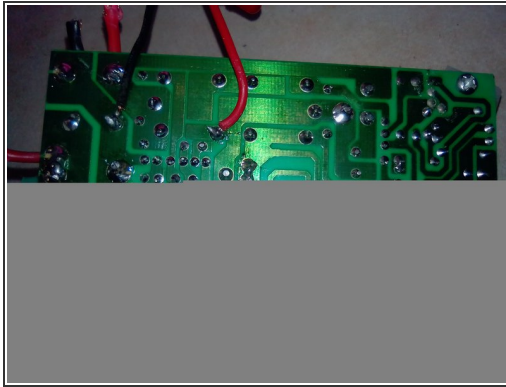
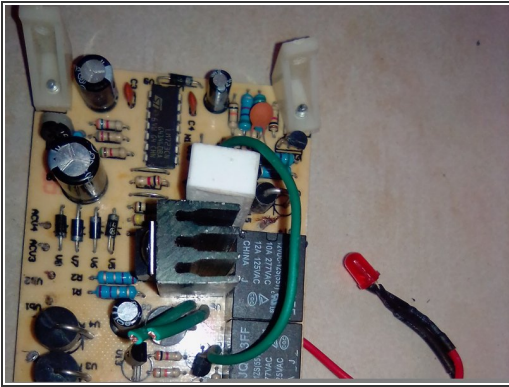
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Step 10



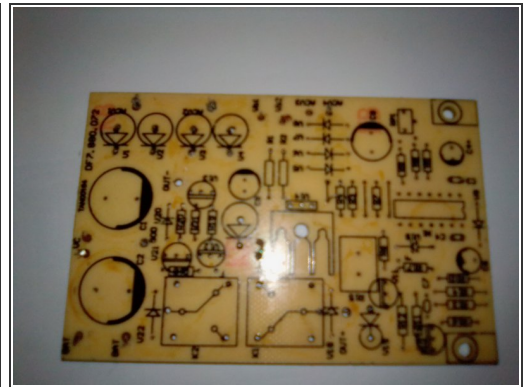
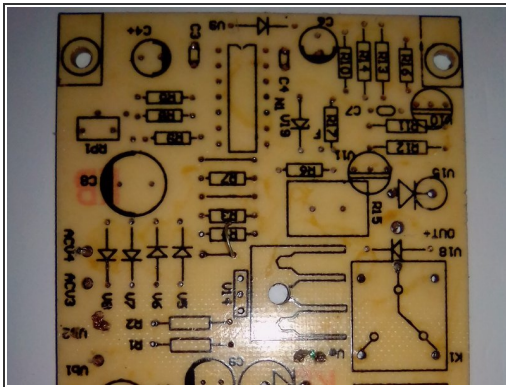
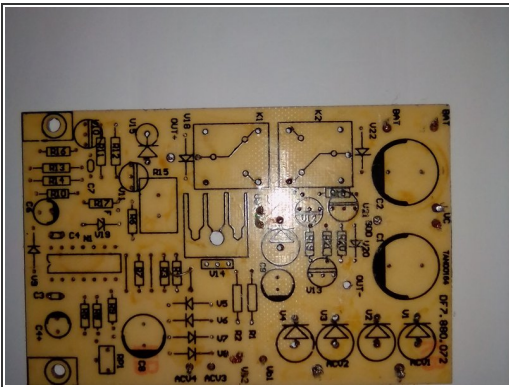
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Step 11



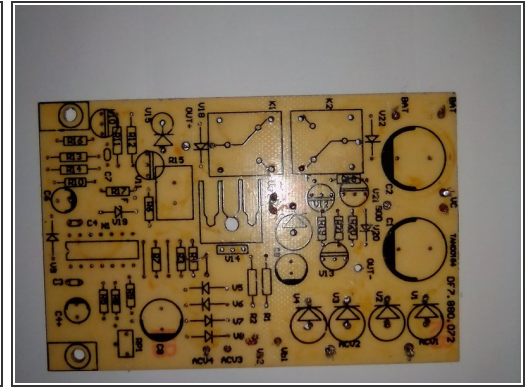
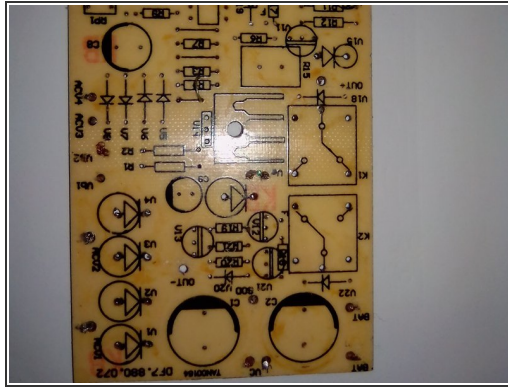
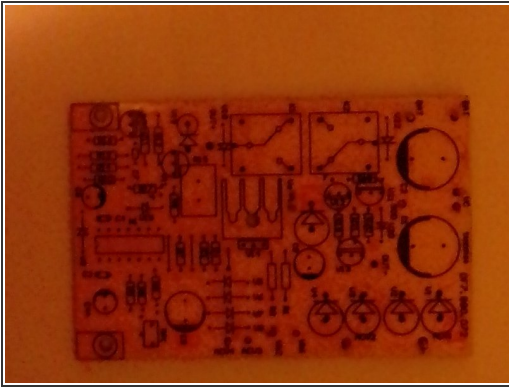
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Step 12



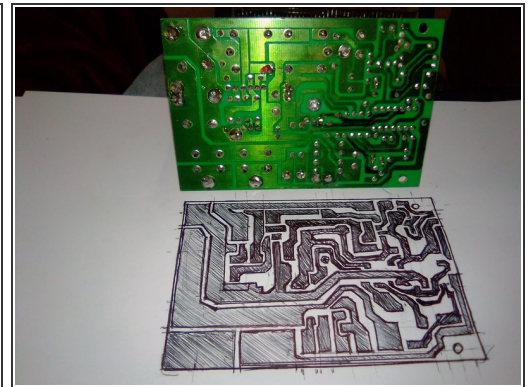
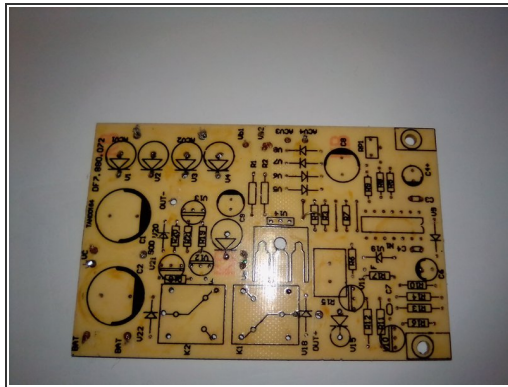
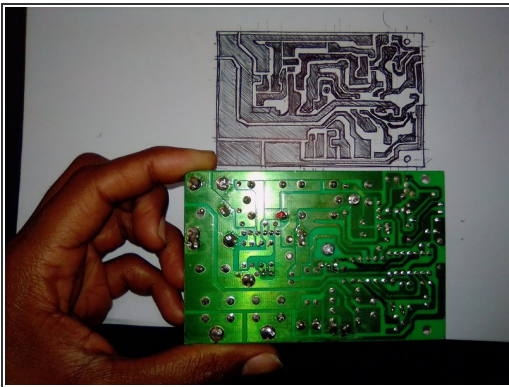
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Step 13



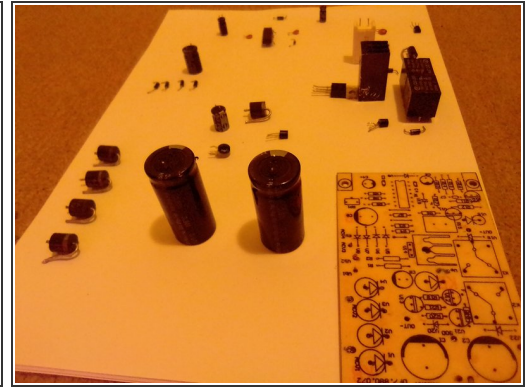
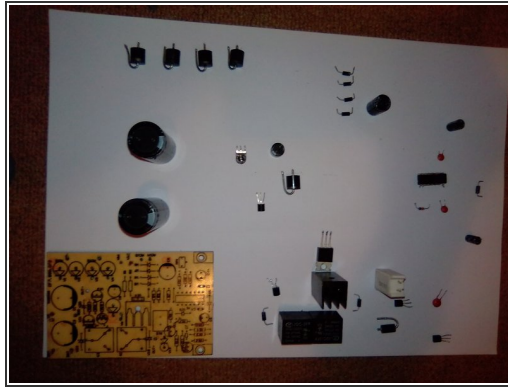
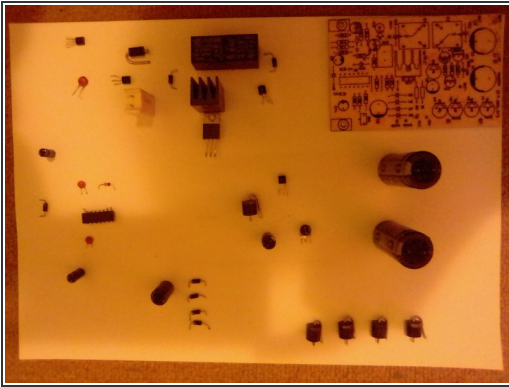
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Step 14



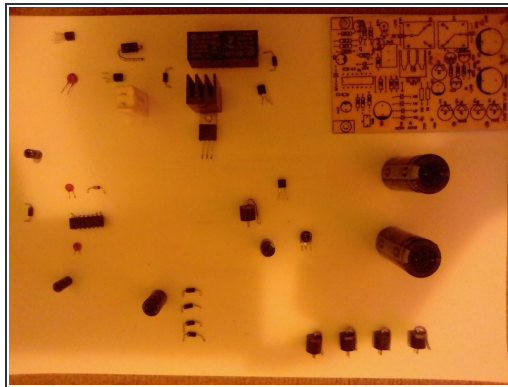
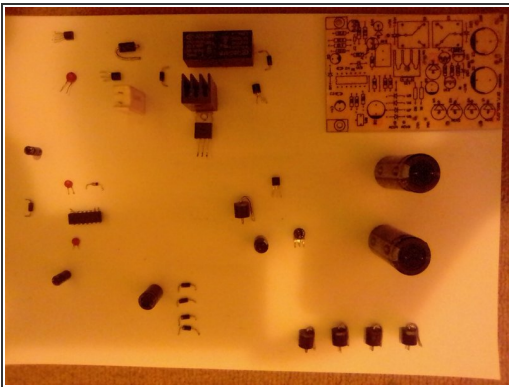
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Step 15



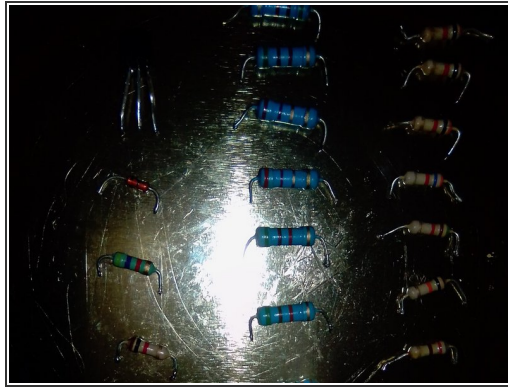
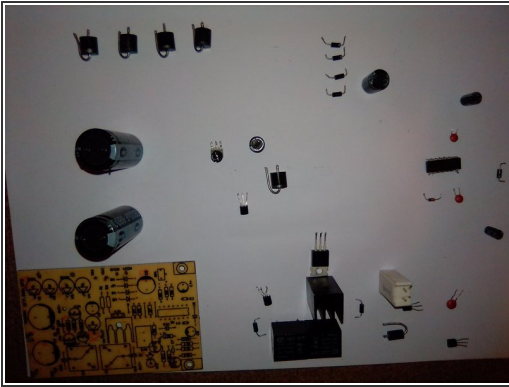
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Step 16



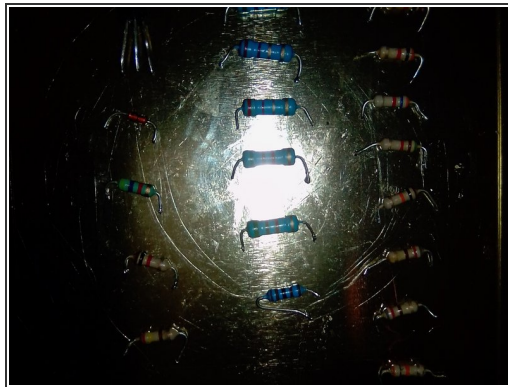
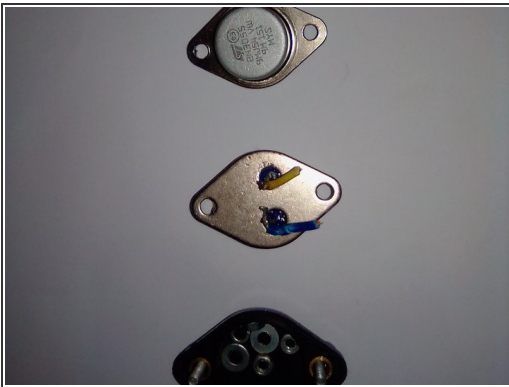
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Step 17



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Step 18



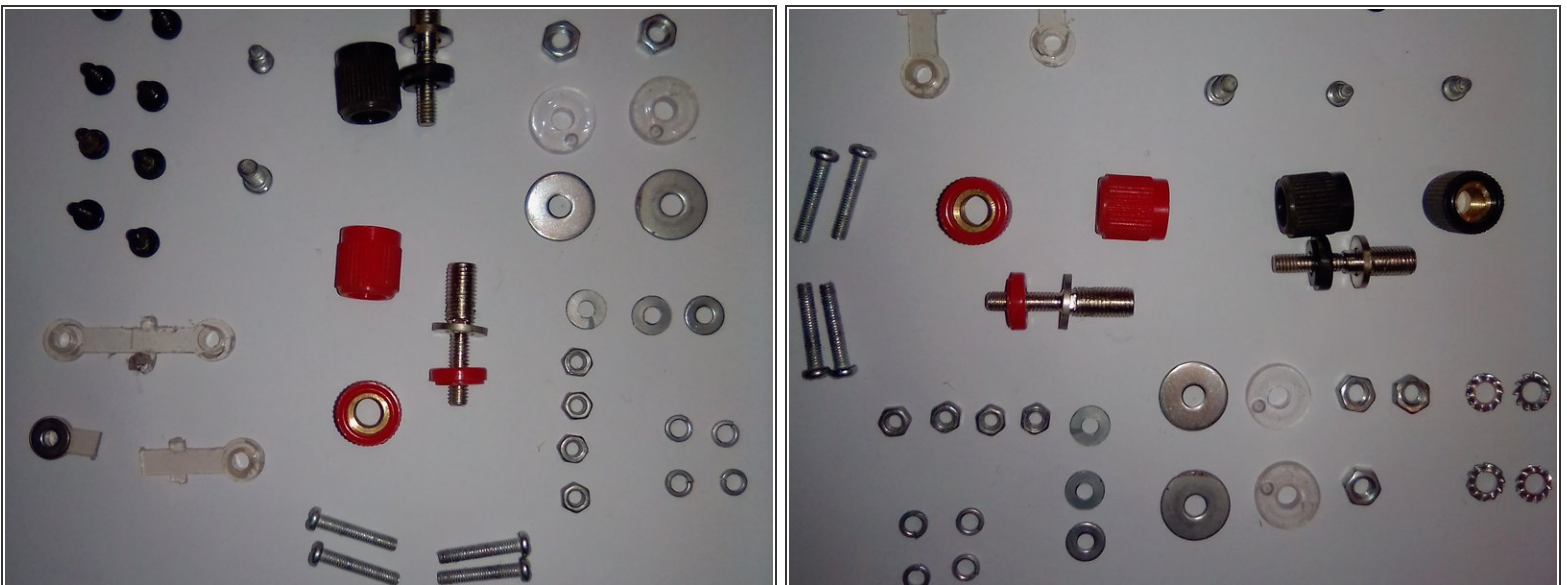
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Step 19



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Step 20



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