

[How To Make Effectively Tesla Coil]

➤ Introduction:

A Tesla coil is an electrical resonant transformer circuit designed by inventor Nikola Tesla in 1891. It is used to produce high-voltage, low-current, high frequency alternating-current electricity. This is a very simple and workable project. This interesting and workable project that you can create very easily by following the rules given by us.

➤ Block Diagram:

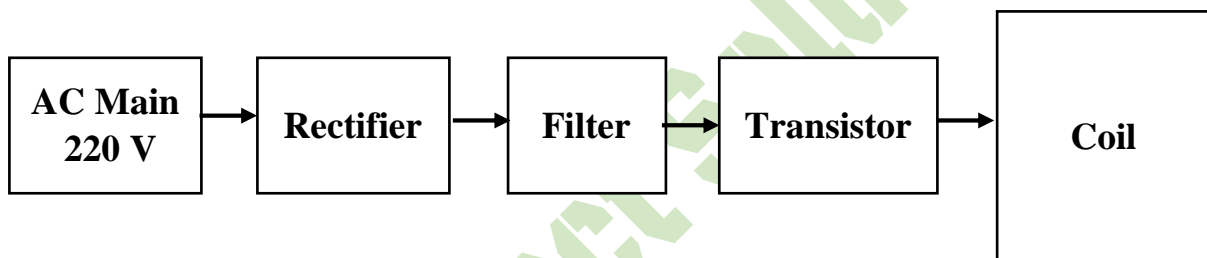
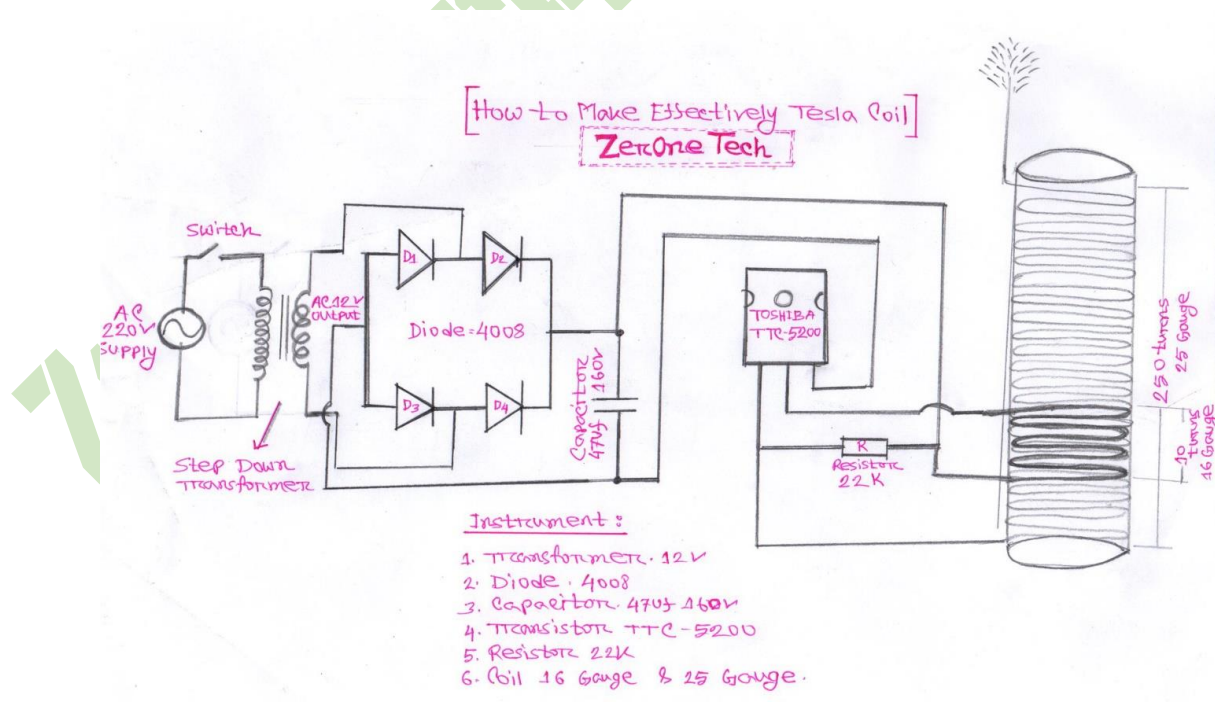


Figure: Block Diagram of Tesla Coil

➤ Circuit Diagram:



➤ **Required Instrument:**

1. Transformer 12 Volt 1A
2. Diode 4008.
3. Capacitor 47uf,160 Volt.
4. Transistor TTC5200.
5. Resistor 22K.
6. Coil 16 Gauge & 25 Gauge.

➤ **Summary:**

A Tesla coil is a radio frequency oscillator that drives an air-core double-tuned resonant transformer to produce high voltages at low currents. Tesla's original circuits as well as most modern coils use a simple spark gap to excite oscillations in the tuned transformer. This project is truly interesting and workable. By following the rules given to us, it will work for 100%. You can make it for your own use as it has very high accuracy.

N.B: If you have any problems working, please contact us and we will assist you.in-shaa-allah.