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Introduction To Modern Electronics – Lesson 5: The Inductor

SCHEMATICS

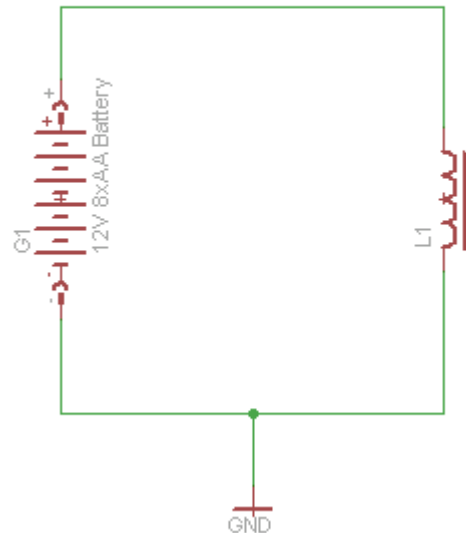
The following schematic material is meant to go with the online lesson found here:
<http://www.pyroelectro.com/edu/basics/inductor/>

BUILDING AN ELECTROMAGNET

In this lesson, we performed an experiment to build an electromagnet. To build the electromagnet we took a standard piece of wire and wrapped it around and around a bolt. After the wire was completely wrapped around the bolt we connected the two ends of the wire to a +12V battery made of AA type batteries and saw a very small but visible magnetic force created.

The schematic below represents the circuit symbol for the circuit that we built to make the electromagnet. As you can see, only a battery and an inductor were necessary.

Electro-Magnet



ADDITIONAL INFORMATION

To ask questions about anything found in this schematic please head on over to the forums located at:

<http://www.pyroelectro.com/forums/viewforum.php?f=22>