Subject: Precautionary Measures
Posted by Phonetic Ear on Thu, 23 Sep 2021 09:11:13 GMT
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There's a lot of technicalities involved when creating DIY projects that concern gadgets and electronics. Since it relies on electricity, it's better to have some background to avoid mishandling things and getting hurt. What are the safety measures you consider before starting on a project or when working on one?

Subject: Re: Precautionary Measures
Posted by gofar99 on Fri, 24 Sep 2021 02:44:07 GMT
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Hi, This is a really tough question and one that is not easy to answer. I would seek out web based tutorials on it. There are several that originate from colleges. IMO there are three distinct areas of concern: Avoiding contact with high enough voltages (anything over about 70volts seems to be the standard)to cause harm. Avoiding contact with things that get hot like tubes, power resistors and some rectifiers. Avoiding causing harm to other equipment, such as causing a fire. Specifics vary based on what you want to build and what your skill level is.

Subject: Re: Precautionary Measures
Posted by Becky on Mon, 20 Oct 2025 18:29:15 GMT
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Even though I've never tried to work on electricity by myself but I've learnt safety measures to take when working on electricity,
Firstly, I will turn off the power at the breaker, wear rubber and gloves, avoid coming in contact with higher voltages before starting any work.

Subject: Re: Precautionary Measures
Posted by Hank on Wed, 21 Jan 2026 06:22:12 GMT
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I would say as one who's quite keen on DIY certain electronics that I used at home and the ones used by close relatives, I've got a lot to say about safety measures.

There are certain things that I do before I even begin to work.

Firstly, I ensure that I do all work in a ventilated environment because of issues with fumes. I also don't miss out on wearing safety glasses that help to protect my eyes. I would always recommend having the first extinguisher around just for safety.

During working time, I don't plug anything into the electricity when I am working and if I need to disassemble any parts, disconnecting the batteries /caps and discharging them is a must.

Doing some of these little things is mainly for safety reasons while I am working or before I even resume working.

Subject: Re: Precautionary Measures
Posted by Wayne Parham on Thu, 22 Jan 2026 15:22:48 GMT
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You're quite safe!

I've always been a little bit less cautious about things like that, although I do think eye safety is important. Especially when drilling and other things that might throw off debris. I'm just a typical dude that is not as diligent with safety precautions as I maybe should be.

One thing I've always done, though, is to protect my circuits, especially those with CMOS components. Those things poof so easily. Cold, dry winters are even more likely to kill 'em. So I always make sure I'm grounded when handling stuff with CMOS parts, either with a grounding wrist-strap or even old-school, just grabbing a ground chassis or whatever and holding for a few seconds before touching and during handling the chip or the board.
