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From my time working on the flight controllers of FPV drones, I was very familiar with the first video. I always use my multimeter to check for short circuits right before powering the quadcopter on for the first time.

From the second video I learned a standard multi-meter can actually test capacitors and if the value of the capacitor is more than 10% less than the advertised value, then it needs replacing. However, it will only work if the capacitor is out of circuit which makes a ESR reader handy because it can test capacitors in circuit.

Something like this would actually be very useful as my dad and I have several high end 1980's stereo amplifier receivers that power our sound systems and every decade or so we take them to get serviced where they replace various capacitors and transistors. I always wondered how they did stuff like this and now I know how to fix a cheaper receiver I have lying around because the left channel sound will occasionally cut out and it has never been serviced so a capacitor or several could be on their way out!

The third video mentioned that I should be looking for a resistance of 0.4-0.6 for a diode and if it's outside of that I should probably change it.

The last video brought up the resistor needing to be out of circuit to be able to accurately measure it but instead of taking the whole thing out they mentioned only taking one end of it out which I thought was clever.