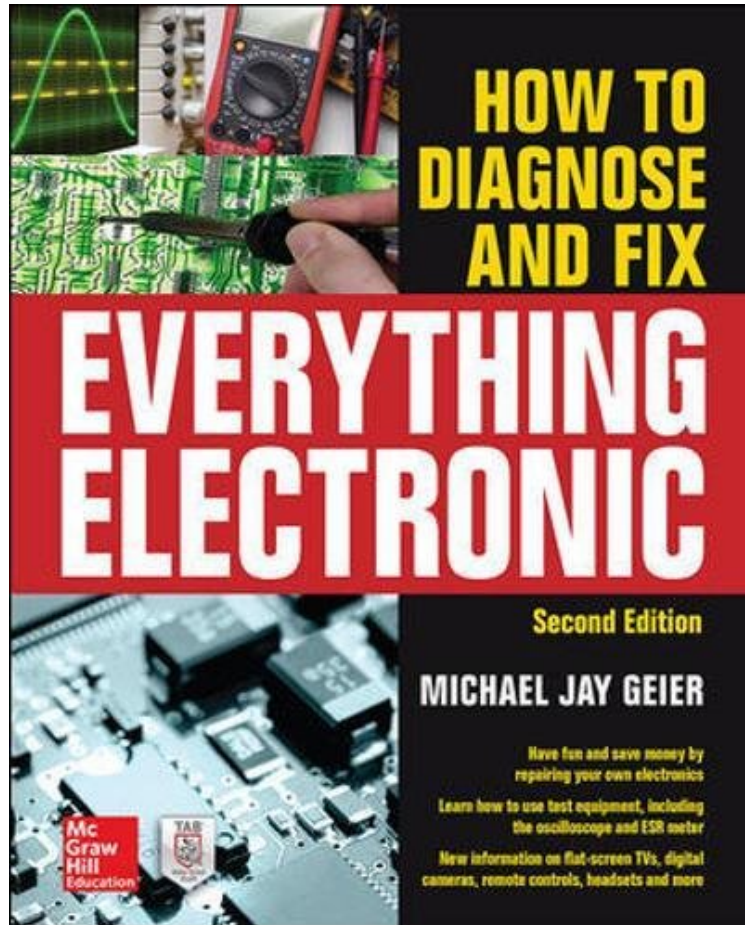


(Download free pdf) How to Diagnose and Fix Everything Electronic, Second Edition

How to Diagnose and Fix Everything Electronic, Second Edition

Michael Jay Geier

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#15209 in Books Geier Michael 2015-10-22Original language:EnglishPDF # 1 9.10 x .80 x 7.30l, 1.00 #File Name: 0071848290416 pagesHow to Diagnose and Fix Everything Electronic Second Edition | File size: 59.Mb

Michael Jay Geier : How to Diagnose and Fix Everything Electronic, Second Edition before purchasing it in order to gage whether or not it would be worth my time, and all praised How to Diagnose and Fix Everything Electronic, Second Edition:

467 of 476 people found the following review helpful. I finally get it...By CustomerThis is, hands down, the best book I have ever read on understanding electronics. I've had college and post-graduate courses that taught me how to analyze circuits and figure out what voltages, currents, resistances, etc. were at certain points. That was all well and good, but totally useless for anything that I wanted to do on my work bench.In reality, what I needed was a holistic approach that narrated the circuit and the signals that are manipulated. I NEVER thought of circuits this way and the author was able to explain that the active elements are the players in the story and everything else is a supporting cast.I could read a schematic, but I couldn't understand why the components were there. I know that a capacitor doesn't pass DC, but now I see that when placed in the circuit, it acts as a DC filter to remove noise before passing a signal to the

next stage. On top of all that, I realized that every circuit has a voltage that is used as a signal. Signal analysis, analog and digital, seemed like a very advanced topic that I only understood through major concepts (linearity, aliasing, etc). Now I realize that a battery and a light bulb has a signal just as a digital video camera does. One is just more complex. Bottom line, this is the book that I couldn't put down...and it is about some of the driest material you can find. It is written in a fun and enjoyable fashion. Every page had an "AH HA!" moment and I am much more confident in my electronics hobby and profession. I cannot recommend this book enough and I would pay triple just for the section where the author walks through a couple sample circuits, describes each component's function, and what would happen if that component failed. 1 of 1 people found the following review helpful. Great update to a great book By MomGreat update to a great book! When I first started tinkering in electronics, it occurred to me that I could learn to decipher some of the mysteries inside my electronics, and perhaps repair some. I had not fixed anything beyond replacing vacuum tubes in tvs and radios in the (very!) distant past. I have enjoyed my attempt to repair electronics using the first edition- if I succeed, it was fantastic, and if not, it was a learning experience. The book includes a nice introduction to basic electronics which for a newbie like myself is a very helpful review. The new version includes smart phones and tablets and is about 50 pages longer. 1 of 1 people found the following review helpful. All electronics nerds must own this. By JerbearA very informative book on troubleshooting almost every type of electronic equipment. All electronics nerds must own this.

A Fully Revised Guide to Electronics Troubleshooting and Repair Repair all kinds of electrical products, from modern digital gadgets to analog antiques, with help from this updated book. How to Diagnose and Fix Everything Electronic, Second Edition, offers expert insights, case studies, and step-by-step instruction from a lifelong electronics guru. Discover how to assemble your workbench, use the latest test equipment, zero in on and replace dead components, and handle reassembly. Instructions for specific devices, including stereos, MP3 players, digital cameras, flat-panel TVs, laptops, headsets, and mobile devices are also included in this do-it-yourself guide. Choose the proper tools and set up your workbench Ensure personal safety and use proper eye and ear protection Understand how electrical components work and why they fail Perform preliminary diagnoses based on symptoms Use test equipment, including digital multimeters, ESR meters, frequency counters, and oscilloscopes Interpret block, schematic, and pictorial diagrams Disassemble products and identify sections Analyze circuits, locate faults, and replace dead parts Re-establish connections and reassemble devices

About the Author Michael Jay Geier has been an electronics technician, designer and inventor since age 6. He took apart everything he could get his hands on, and soon discovered that learning to put it back together was even more fun. By age 8, he operated a neighborhood electronics repair service that was profiled in The Miami News. He went on to work in numerous service centers in Miami, Boston and Seattle, frequently serving as the tough dog tech who solved the cases other techs couldn't. At the same time, Michael was a pioneer in the field of augmentative communications systems, helping a noted Boston clinic develop computer speech systems for children with cerebral palsy. He also invented and sold an amateur radio device while writing and marketing software in the early years of personal computing. Michael holds an FCC Extra-class amateur radio license. His involvement in ham radio led to his writing career, first with articles for ham radio magazines, and then with general technology features in Electronic Engineering Times, Desktop Engineering, IEEE Spectrum, and The Envisioning Newsletter. His work on digital rights management has been cited in several patents. Michael earned a Boston Conservatory of Music degree in composition, was trained as a conductor, and is an accomplished classical, jazz and pop pianist, and a published songwriter. Along with building and repairing electronic circuitry, he enjoys table tennis, restoring antique mopeds, ice skating, bicycling, and banging out a jazz tune on his harpsichord.