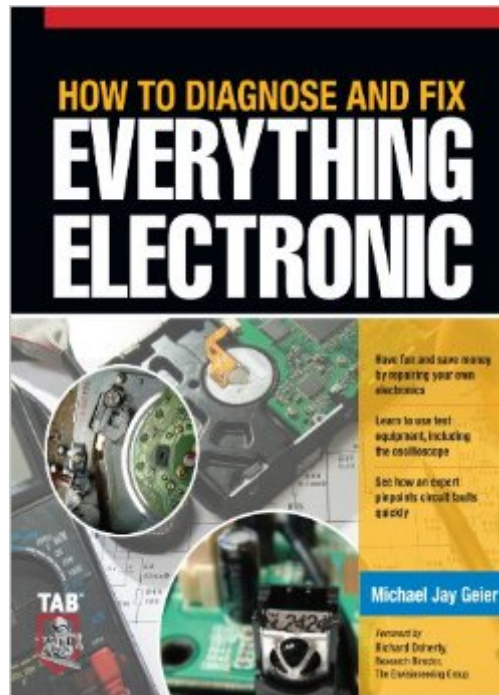


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# How To Diagnose And Fix Everything Electronic



## Synopsis

Master the Art of Electronics Repair In this hands-on guide, a lifelong electronics repair guru shares his tested techniques and invaluable insights. How to Diagnose and Fix Everything Electronic shows you how to repair and extend the life of all kinds of solid-state devices, from modern digital gadgetry to cherished analog products of yesteryear. You'll start by selecting the tools and test equipment you'll need and setting up your workbench. Then, you'll get familiar with components and how they form circuits, stages, and sections of a device. Next, you'll learn how to take a product apart, figure out what's wrong with it, replace components, and reassemble it. Real-world case studies help clarify the topics covered. Tips and tricks for specific devices, such as optical disc players, computers, and video recorders, are also included in this practical resource. Set up a workbench and equip it with tools and test instruments Ensure personal safety and avoid electrical and physical damage to devices Understand electrical units, circuits, and signals Use test equipment, including a digital multimeter, signal generator, frequency counter, and an oscilloscope Repair circuit boards and replace parts Work with components, from capacitors and ICs to transistors and zeners Learn to read block, schematic, and pictorial diagrams Disassemble devices and identify sections and stages Troubleshoot and diagnose to the component level Perform reverse-order reassembly

## Book Information

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## Customer Reviews

PROSGood coverage of test equipmentGood anecdotes that demonstrate basic methodologyGood basic techniques for fixing common consumer electronicsCONSIt won't tell you how to diagnose and fix everything electronicI'm an engineer by training, and I tend to take words literally. So when I read the title of this book, then observed that rather than an encyclopedia volume 1, these 316 pages were the entire book, I was dubious, and doubly so when I read the back cover where it promises "Master the Art of Electronics Repair," and how to repair and extend the life of "all kinds" of solid-state devices. I have read electronics books for a few decades. When I noted the publisher, Tab, I said to myself, "uh-huh". Because if there are a few things I have learned about Tab Books in particular in my years of reading them, it is these:1. They tend to over-sell their books in the title and abstract for the book2. If the book features projects, the circuits are often not tested and sometimes can't work as presented3. Except for the cover, the production quality is often substandard compared to other publishersIf I was the author of the book, I would not be comfortable writing a book that promised to teach you how to fix everything electronic and to make you a master in 316 pages, because it CAN'T BE DONE.I wondered when I saw a picture on the cover of a computer hard drive with a magnification of the electronics, because when a hard drive fails, I think it's best to do your best to recover data from it, then you move to a new one that is less likely to fail again. But the author does have a technique he says may be able to save a failing drive.

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