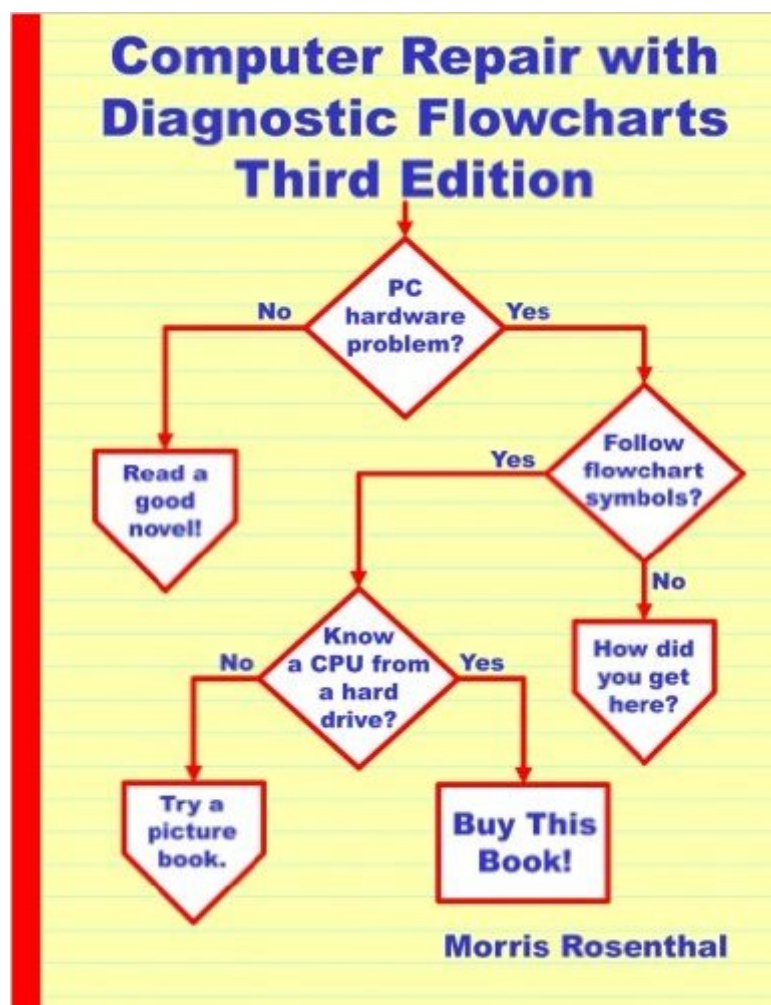# Computer Repair With Diagnostic Flowcharts Third Edition: Troubleshooting PC Hardware Problems From Boot Failure To Poor Performance

Synopsis

Computer Repair with Diagnostic FlowchartsÂ presentsÂ a visual expert system for diagnosing component failure and identifying conflicts. The seventeen diagnostic flowcharts at the core of this book are intended for the intermediate to advanced hobbyist, or the beginning technician. Following a structured approach to troubleshooting hardware reduces the false diagnoses and parts wastage typical of the "swap 'till you drop" school of thought. In revising this book for the third edition, we continued support forÂ legacy hardware to the extent that space allows. The text is expanded approximately 50% over the previous edition, with many new decision points on the flowcharts and changes in the decision trees. In some instances, the newer PCs are much simpler from a hardware perspective than the older PCs, so there was no need to drop troubleshooting steps to make room for newer, more common hardware issues. Flowcharts include: Power Supply Failure, Video Failure, Video Performance, Motherboard, CPU, RAM Failure, Motherboard, CPU, RAM Performance,ATA Drive Failure, Hard Drive Boot and Performance, CD, DVD or Blu-ray Playback, CD or DVD Recording Problem, Modem Failure, Modem Performance, Sound Failure, Sound and Game Controller Performance, Network Hardware Failure, Peripheral Failure, SAS SCSI Failure, and Conflict Resolution. Computer Repair with Diagnostic Flowcharts is used as a classroom text in colleges and technical schools and by the U.S. government for training forensic technicians. It's also a favorite reference with consumers and technicians all over the world.

Book Information

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Customer Reviews

Handy flowcharts with accompaning detailed descriptions. Very logically organized and layed out. It provides you with a structured process for tracking down pc problems. Highly recommended.Having a little troubleshooting experience would be helpful, but not absolutely necessary. A fair number of pc problems have very simple solutions. The author does not overlook the obvious(is it plugged in? are all the mute buttons unchecked?) on way to making a proper diagnosis.If you are at all serious about providing your own tech support (or support to friends and family), get this book. Money well spent.

The cover of this book asks the follow question: Do you know a CPU from a hard drive? Do you? If so, this book is fantastic. In my opinion, the key to diagnosis of any kind is a quick elimination of possible root causes. This book accomplishes that by forcing the reader into yes/no questions. Drawing on his obvious experience, the author uses flowcharts to continually narrow the tech's focus until the answer is apparent. The author takes subconcious deduction and lays it out on the page for anyone to follow. After some time it should become second nature to you as well. The book covers the gamut of hardware issues with a straightforward style. In between the various categories is text related to specific points on the flowcharts. There is some real gems in there. I have no doubt the author earns hourly income many times the cost of this book. Buy it.

This book is very short, and it often states the obvious. It is far from complete, but it's still a handy thing to have around and much more portable than a big O'reilly's book.The good thing about it is that it's so damn easy to read. You can follow the flow chart to go straight to the advice you're looking for. I just wish it was longer and offered more solutions than it does.

This is not a book about hardware; simply it gives you many flowcharts to guide you in the process to isolate a hardware failure.If you are looking for a book to learn "how a PC works"; this book is not for you; but if you want to repair a PC, it`s a good choice.

This is not your only repair book or your A+ exam book. Assuming you are familiar with the insides of a computer and have basic repair skills this book guides you through the basics of diagnostics. It's not going to teach you how to install a hard drive but will bring you through the steps of testing it.

I built a computer for the first time last year. When I had a problem with it, I was unsure how to troubleshoot the issue. This book was simple to follow and helped me learn a lot and determine the

cause for my problem.

Well when I got this product I was expecting it to be more like an actual book. To my suprise it resembles a workbook more than an actual book. It is the typical 8 1/2 by 11 size but it's MAYBE half a centimeter thick. However, other than that it does have some good information in it and for each flowchart it has about 5 pages or so of written explainations of different parts of the flowcharts which I thought was helpful.

I was expecting much more detail. I purchased this book with the idea of using it as a training tool. I opened the book and traced through 5 of the most common problems I see in my shop. Knowing the answer beforehand, I wanted to see if the book would agree with my diagnosis and repair options. None of the problems were captured in this book. If you are expecting a more detailed troubleshooting guide, this isn't it. I got the feeling this was a "Reader's Digest" version of something longer.

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