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Repair Troubleshooting, Maintaining &
Repairing PCs Computercare's Laptop Repair
Workbook

This is a hands-on professional-level
troubleshooting and repair guide for all IBM
personal computers and compatibles. It includes
a CD-ROM that contains more than 150
shareware diagnostic tools. Operating a personal
computer/Laptop requires more than just
dealing with PC/laptop itself. There are some
parts of computer which one must become
familiar with such as: hard drive, RAM,
motherboard, VGA cable, cooling fan, screen,
just to name a few. This book, A STEP-BY-STEP

ILLUSTRATIVE GUIDE ON HOW TO
TROUBLESHOOT LAPTOP & PC AND HOW TO
REPAIR HARD DRIVE is full of solutions to
various kind of problem you are facing on your
PC/laptop. Most have lost data on the PC/laptop
because they have no knowledge on how to fix
some problems on it. This book will be of
immense benefit to you on how to troubleshoot
your pc/laptop problems within a very short time
without going to repairers. A STEP-BY-STEP
ILLUSTRATIVE GUIDE ON HOW TO
TROUBLESHOOT LAPTOP & PC AND HOW TO
REPAIR HARD DRIVE focuses on: Common
problems in laptop and how to troubleshoot it
Common problems in Personal computer and
how to troubleshoot it How to repair hard
drive/disk How to delete temporary file on
Pc/Laptop and many more. The goal of this book
is to help you solve different kinds of problem
facing your computer with full pictorial
illustrations. This book will educate you on the
Correct Process of Repairing The Entire Laptop,

Including and concentrating more on Motherboard Repair Instruction, Screen Repairing, Component Level Diagnosing and Repairing. This is the 3rd Book Released By Author Garry Romaneo, The Worlds Leading Laptop Repair Technician, Author, and Consultant. The book will take you through the laptops disassembly process, Explaining in detail how to disassemble all laptops. You will then be taught all about Liquid Spills to Laptops. What to do, What not to do, How to Remove Liquid and How To Repair Any Damage from Liquid to parts or components. You will be shown all the various tools to be used in laptop repair both hand tools and electronic tools explained. This book will then explain the entire upper end repairing techniques. Replacing screens - how to- then it will show you in great detail how to disassembly the screen and repair or replace the LCD ccfl Bulb, the book will also discuss LED screens. You will be taught step by step how to solder a motherboard whether it is the

components or the dc jack. The DC Jack Repair/Desoldering instructions are included. Most importantly, this book will teach you laptop motherboard repairing techniques. Learn to identify the parts and components on the motherboard, learn component replacement, motherboard testing techniques and more. This book also includes the authors Patented/Copyrighted and Trademarked Laptop Video Chip/GPU Motherboard Online Repair instruction. There is alot more included (Part Identification, Hard Drive Failure Issues etc...)so check it out now. Going Above And Beyond CompTia A+ Certification !!! Learn to diagnose and fix simple PC problems with this easy-to-follow guide When something goes wrong with your computer, it's frustrating and potentially expensive. With Fix Your Own Computer For Seniors For Dummies, you can find out what's wrong, how to fix it, whether you need to call in professional help, and how to practice preventive maintenance. This friendly guide

avoids techie jargon and shows you how to diagnose the problem, find out whether the software or hardware is at fault, make simple repairs, and add external devices such as scanners, printers, and hard drives. It also helps you maintain your computer through basic steps like defragmenting the hard drive and cleaning out files - techniques that can prevent a lot of problems from occurring in the first place. Written specifically for first-time computer users, this book explains how to diagnose basic PC problems, understand error messages, and fix common issues. Specific step-by-step procedures guide you through basic repairs such as replacing the hard drive. Explains common mistakes and how to avoid them. Outlines the steps for preventive maintenance, such as how to defragment the hard drive, clean files, delete old files, and organize files. Explores ways to expand and enhance a computer with external devices including hard drives, Web cameras, Web phones, scanners, printers, flash drives and

other hardware. Shows what you can fix yourself and when to seek help from a repair service or the manufacturer. Easy to read and follow, *Fix Your Own Computer For Seniors For Dummies* will boost your confidence when dealing with your computer and with professional technicians, too. Beyond cutting edge, Mueller goes where no computer book author has gone before to produce a real owner's manual that every laptop owner should have. This book shows the upgrades users can perform, the ones that are better left to the manufacturer, and more. Written by bestselling author Ron Gilster, the *PC Technician Black Book* is an excellent bench top companion for any PC repairperson or home hobbyist. This no-nonsense guide helps you set up, upgrade and repair PCs. It is ready reference featuring step-by-step guides for troubleshooting, diagnosing and repairing many of the most common PC problems. Plus, it provides you with in-depth background information on the different hardware

technologies found in today's personal computer, without overwhelming you with nonessential information. A Do-It-Yourself Guide To Troubleshooting and Repairing Your EASY, comprehensive technology troubleshooter! PCs, smartphones, tablets, networks, cameras, home theater and more—all in one book! We all use technology—and we all have problems with it. Don't get frustrated... and don't waste money on costly repair or support calls! Solve the problems yourself, with the one guide that makes it easy: The PC and Gadget Help Desk. Using clear pictures, handy "symptom tables," and easy-to-use flowcharts, Mark Edward Soper walks you step-by-step through identifying, solving, and preventing hundreds of today's most aggravating tech problems. Soper covers all your major platforms: iPhones, iPads, Android devices, Windows systems, and more. He even helps you fix the weird problems that happen when you use them together! Regain lost Internet access and fix broken Wi-Fi connections

Solve problems with viewing and sharing media or other files Track down power problems wherever they arise Troubleshoot printing problems and print from smartphones or tablets Fix missing video or audio on your HDTV or home theater system Get syncing working right on your Apple or Android device Improve your PC's 3D gaming performance Identify and replace flaky memory chips Prevent overheating that can damage your equipment Solve common problems with digital cameras and DV camcorders Troubleshoot iOS or Android antennas, updates, screens, and connectivity Get FaceTime working right on your iPhone or iPad Troubleshoot eReaders and display your eBooks on additional devices Sensibly decide whether to upgrade, repair, or replace Mark Edward Soper has spent 30 years as an instructor and corporate trainer, helping thousands of people work more happily with personal technology. He is the author of PC Help Desk in a Book, and is the co-author of Leo Laporte's PC Help Desk, as

well as more than 25 other books on Windows, digital imaging, networking, the Internet, IT certification, and computer troubleshooting. Soper is a CompTIA A+ Certified computer technician and Microsoft Certified Professional. **BONUS ONLINE VIDEOS:** Includes access to free, studio-quality how-to videos that make troubleshooting and repair even easier! Offers detailed, illustrated instructions for repairing Apple handheld electronic devices, covering the replacement of components, fixing software failures, and making repairs and changes not intended by the manufacturer. Comprehensively updated third edition of the best-selling Haynes Computer Manual New content covering disk partitioning, broadband internet access, recordable DVD and external hard drives. The ultimate upgrade or repair: replacing a motherboard. Relieving the strain on a low-spec system. Boosting performance and adding extra features. Computer maintenance and troubleshooting. This is the perfect on-the-job

companion for technicians who troubleshoot and repair portable computers. Bigelow presents an overview of small computer concepts, the operating principles of all electronic and mechanical components, the test equipment needed to perform repairs, and important service guidelines. Each problem and solution is summarized in an easy to read appendix. A guide to fixing a personal computer covers such topics as troubleshooting, purchasing the right parts, fixing startup problems, performing basic hardware repairs and upgrades, installing a new hard disk, and adding memory. Want to be in business for yourself? A computer repair service may be perfect for you. But how do you start and run a computer service business? First, read this book, written by a computer technician with more than nine years' experience working for himself. I started my business from scratch and built it up to a viable, full-time enterprise, and I will show you how to do the same. This book is full of practical hints for running a computer

repair and service business. For example, you'll learn how to handle clients who call you wanting a "quick answer on the phone" or what to do when someone cancels an appointment at the last minute. You'll also learn- What you need to get started- Where and how to advertise for the best results- How to decide what to charge- How to keep clients, even difficult ones, happy- How to talk to clients on the phone and at their home or business- What records you must keep, and how to keep them- And much more This is the only book approved by the Electronic Technician's Association as an official study guide for the Computer Service Technician exam. In this latest edition, Bigelow addresses important Y2K troubleshooting information in preparation for the millennium as well as providing a mammoth reference guide and test manual for A+ candidates, PC techs, and computer hobbyists. The Laptop Repair Workbook includes twelve full page troubleshooting flowcharts for laptop hardware

troubleshooting and explanatory text for every decision point. The book begins with an introduction to basic laptop terminology, troubleshooting procedures, and cost decisions. Supplementary illustrated tests and procedures are available on the publisher's website, www.fonerbooks.com. An ebook version is also available direct from the publisher. This book will teach you how to repair a Laptop Computer, Translated To Russian Language. Learn complete testing and diagnosis for a Laptop Motherboard, Repair techniques for PCB and IC and Component Level Repairing. Learn Laptop Screen Repair, Learn DC Jack Repair, Learn the correct method of Micro Electronics Soldering Procedures. Complete Laptop Repair Instructions are taught, All Available in Russian Translation. Cheryl Schmidt's The Complete A+ Guide to PC Repair, Fifth Edition Update presents the fundamentals of computer desktop and laptop installation, configuration, maintenance, and networking through simple,

step-by-step instruction based on CompTIA A+® 2011 Edition objectives. With a focused emphasis on security and customer service skills, this comprehensive book on computer repair introduces the most important tools students need to become professional, customer-friendly technicians using today's technology. The A+ Certification Exam criteria are being updated, effective January 2011, to include Windows 7. The Fifth Edition Update now includes Windows 7 material. *Upgrading and Repairing PCs: Field Guide* is a portable, "essentials" version of *Upgrading and Repairing PCs*, 13th Edition - the bestselling PC hardware book of all-time. Weighing less than half a pound, this tiny book packs a hefty punch - containing the essential information you need to upgrade and repair PCs, whether you're a hardcore pro or a weekend warrior. All of this information fits nicely in your toolkit, briefcase or backpack and be there to rescue you when you're out of your office and away from your

trusty copy of *Upgrading and Repairing PCs*. Use the connector quick reference section to identify most any connector or port you run across while servicing PCs out in the wild! Who says detailed coverage must come in a big package? This diminutive book makes up for its tiny size by providing you with a level of detail that exceeds that found in some bigger (in size and name) competitor books. Hundreds of detailed tables boil down complicated settings, standards and specifications into an easy to read - and easy to find - format. All of this detailed information easily fits in your toolkit, briefcase or book bag-right where you need it! As the price of servers comes down to the level of desktop PCs, many small- and medium-sized businesses are forced to provide their own server setup, maintenance and support, without the high-dollar training enjoyed by their big corporation counterparts. *Upgrading and Repairing Servers* is the first line of defense for small- and medium-sized businesses, and an

excellent go-to reference for the experienced administrators who have been asking for a reference guide like this one for a long time! It's all here in one, incredibly useful tome that you will refer to again and again. Inside is in-depth coverage of server design and implementation, building and deploying, server hardware components, network and backup operations, SAN, fault tolerance, server racks, server rooms, server operating systems, as well as SUN Microsystems servers. No other computer hardware book has ever dared tackle this enormous topic - until now! For 25 years, *Upgrading and Repairing PCs* has been the world's #1 guide to PC hardware: The single source for reliable information on troubleshooting and fixing problems, adding hardware, optimizing performance, and building new PCs. Now, better than ever, this 22nd edition offers beefed-up coverage of the newest hardware innovations and maintenance techniques, plus more than two hours of new

DVD video. Scott Mueller delivers practical answers about PC processors, mother-boards, buses, BIOSes, memory, SSD and HDD storage, video, audio, I/O, input devices, networks, Internet connectivity, power, and much more. You'll find the industry's best coverage of diagnostics, testing, and repair-plus cutting-edge discussions of improving performance via overclocking and other techniques. Mueller has taught thousands of professionals in person and millions more through his books and videos- nobody knows more about keeping PCs running perfectly. Whether you're a professional technician, a small business owner trying to save money, or a home PC enthusiast, this is the only PC hardware book you need! **NEW IN THIS EDITION** Detailed information about the Intel Turbo Boost and AMD Turbo Core built-in overclocking technology found in many new processors. Coverage of the new inexpensive "hybrid" hard drives, combining Solid State Drive (SSD) and magnetic storage technology in

the same high-performance drive. Coverage of the latest USB 3.0 chipsets, drives, and other peripherals. Coverage of the latest 50Mbps and faster internet connection speeds and the hardware you need to fully take advantage of them. Coverage of the latest high-performance Solid State Drives (SSDs) and SSD technology. Technical details about the Unified Extensible Firmware Interface (UEFI) BIOS, which is required for motherboards to be able to boot from drives larger than 2TB. Detailed information about the new 4K physical sectoring advanced format used on the highest capacity hard drives. Technical details and information about the latest 32nm and 45nm multi-core processors from Intel and AMD. Detailed information about the Graphics Processing Unit (GPU) available as an optional built-in feature in some new processors. Coverage of the latest motherboard chipsets, including support for SATA 6Gbps. Coverage of the latest SDXC (Secure Digital Extended Capacity) 4.0 and later

high capacity and high performance flash drives. Detailed information about the 6/8-pin PCI Express graphics power connectors required to support the latest high-end video cards. Information about the 80 PLUS standards for highly efficient power supplies, and how this combined with proper power-management settings can save a tremendous amount of energy (and money) each year. ON THE DVD Get 2 hours of up-to-the minute, studio-quality how-to videos-all playable on your DVD player or computer! In this edition, Scott Mueller offers true insider information about several of the key components in a PC, including motherboards, solid-state drives, and more. You will see a detailed tour of a modern high-performance motherboard, showing all the components from the processor socket and CPU voltage regulators to the audio and network chipsets, and more. You'll learn how all the devices on the board are interconnected, so you can more easily understand their importance. There is a detailed

segment comparing solid-state drives (SSDs) to conventional hard disk drives (HDDs), explaining all the differences and similarities between them in an easy to understand fashion. Finally, there are several segments on building a state-of-the-art system from scratch using a high-performance overclockable motherboard and processor combination. You'll see tips on how to best prepare the components, how to assemble the system properly, how to make the front panel connections much easier to deal with, and finally how to route the cables for maximum airflow and ease of future upgrades or repairs. PC Hardware in a Nutshell is the practical guide to buying, building, upgrading, and repairing Intel-based PCs. A longtime favorite among PC users, the third edition of the book now contains useful information for people running either Windows or Linux operating systems. Written for novices and seasoned professionals alike, the book is packed with useful and unbiased information, including how-to advice for specific

components, ample reference material, and a comprehensive case study on building a PC. In addition to coverage of the fundamentals and general tips about working on PCs, the book includes chapters focusing on motherboards, processors, memory, floppies, hard drives, optical drives, tape devices, video devices, input devices, audio components, communications, power supplies, and maintenance. Special emphasis is given to upgrading and troubleshooting existing equipment so you can get the most from your existing investments. This new edition is expanded to include: Detailed information about the latest motherboards and chipsets from AMD, Intel, SiS, and VIA Extensive coverage of the Pentium 4 and the latest AMD processors, including the Athlon XP/MP Full details about new hard drive standards, including the latest SCSI standards, ATA/133, Serial ATA, and the new 48-bit "Big Drive" ATA interface Extended coverage of DVD drives, including DVD-RAM, DVD-R/RW, and

DVD+R/RW Details about Flat Panel Displays, including how to choose one (and why you might not want to) New chapters on serial communications, parallel communications, and USB communications (including USB 2.0) Enhanced troubleshooting coverage PC Hardware in a Nutshell, 3rd Edition provides independent, useful and practical information in a no-nonsense manner with specific recommendations on components. Based on real-world testing over time, it will help you make intelligent, informed decisions about buying, building, upgrading, and repairing PCs in a cost effective manner that will help you maximize new or existing computer hardware systems. It's loaded with real-world advice presented in a concise style that clearly delivers just the information you want, without your having to hunt for it. A practical guide to the maintenance and repair of laptop computers, including three hundred repair cases and thirteen diagnostic flowcharts. Casper is designed to be used as a

self-study lab manual. Features include multiple operating systems on a single workstation, logical PC troubleshooting, printer setup and troubleshooting and Windows XP coverage. This is the perfect reference guide for PC repair and troubleshooting. A guide to building, repairing, and upgrading a PC offers explanations of concepts, along with instructions on how to build a PC, covering the essential parts of a PC and explaining how hardware works, types of hardware available, and how to build and maintain five different PC types. A+ certification is the most popular certification program in the world, certifying more than 500,000 individuals since its inception in 1998. The two A+ exams certify your knowledge of basic computer hardware and operating systems. This certification is extremely popular because it is essential to anybody who requires a baseline set of skills or competencies: high school students, technicians in your company's IT support group, even those who are exploring IT careers. The A+

Training Guide provides focused, in-depth coverage of all the exam objectives, giving readers the ultimate study tool. Whether you're in need of supplementary study material or a hands-on guide for your shop, the best-selling *Upgrading and Repairing PCs* book completes this package. This book is found on the desks of teachers, students, hobbyists, repair technicians, and IT professionals. *Maximum PC*, the PC hardware industry's leading magazine has dubbed this guide the "most comprehensive book on the subject we've ever seen." World-renowned PC hardware expert Scott Mueller has taught thousands in his weeklong seminars and millions through his books, videos, and articles. This book is made for laptop technicians, either beginners or who are learning to repair laptops and want to learn more about everything related to laptop repair. Equipped with a component recognition guide contained in the laptop, how to measure each component and how to repair the laptop based on schematic This text from

Cheryl Schmidt is geared towards computer support. To become certified, students must understand various hardware technologies, multiple operating systems, and basic networking. This book presents the terminology and concepts in a building block, easy-to-understand fashion. Students that use this book have numerous hands-on exercises to enhance their learning and help them retain the information presented. Appropriate for all courses in computer hardware, PC troubleshooting, maintenance, and repair. In *Upgrading & Repairing PCs*, 14th Academic Edition, leading PC hardware expert Scott Mueller offers a complete and authoritative guide to the core topics at the heart of virtually every course in PC hardware, maintenance, and repair. Condensed and distilled from Mueller's renowned *Upgrading & Repairing PCs*, 14th Retail Edition, this book contains focused coverage of every significant PC component: processors, motherboards, memory, the BIOS,

interfaces, drives, removable and optical storage, video and audio hardware, and much more. Its accompanying CD-ROM contains 90 minutes of Windows Media Player videos featuring Scott Mueller demonstrating PC repair and upgrades, as well as PDFs of the complete student workbook, the entire 14th Retail Edition, vendor contacts, help files, and hundreds of pages of additional technical reference material. The student workbook provided on CD-ROM includes updated chapter summaries, practice exercises, and study questions designed to help students ensure they fully understand the material. Also available: an updated Instructor's Manual CD-ROM with thoroughly revised sample syllabus, improved PowerPoint slides, complete lesson plans, and student workbook answers. I wrote this book for people who want to upgrade, repair, maintain, and troubleshoot laptop and notebook computers as well as for those enthusiasts who want to know more about laptops or portable PC hardware in general. No

complicated technical theory, fully practical based step by step guide book. It will give you a complete and to the point knowledge on what to do to repair your laptop. It is not that basic that you get bored. Still has a very easy to understand language that all type of people can learn from. Even you don't need any previous technical knowledge to read and understand the book. If you would like to step into laptop repair world, I recommend this book highly. This is a book that goes deeper into the Motherboard End of Laptop Repairing. After reading the book in its entirety, then rereading it a second time, you shall able to repair a bunch of laptop motherboards. This book is written to teach for those people who - Technically inclined and want to know how to successfully repair a laptop or notebook computer. Who is serious to learn to make his career as a laptop repair technician. More than a great A+ prep guide: an outstanding on-the-job reference for every PC technician. Completely updated for CompTIA's

latest exam revision it covers Windows 2000/Me, Pentium IV, USB/FireWire, new hardware and peripherals, and more. Reflects industry best practices and extensive real-life troubleshooting and repair experience. "Troubleshooting PC hardware problems from boot failure to poor performance."--P. [4] of cover. The book was released due to the need for a "REAL" Laptop Repair Book. I myself have read every book released, and Not one will instruct you on how to repair the Laptops internal Components, as all the books available relating to Laptop Repair were written by Desktop Computer Technicians that have No Business writing a Laptop Repair Book! I do not want to mislead anyone into buying my book(s), I, happen to know Laptop Repair, and have released this book to teach the "unknown" to the rest of the world. This book goes into great detail on the repairing of the Laptops Motherboard and it's many failures and faults. This book will show you not only how to repair a Laptop Computer, it will instruct you on

how to repair the Laptops Motherboard. This is the only book released to date that will show you the components of a Laptop Motherboard and how to Properly Test, Diagnose and Repair any issue that may arise. You will learn how to properly troubleshoot the most commonly occurring issues and achieve successful repair results. The book will teach you what tools are used and how to use the tools. It will teach you the proper way to solder and more importantly how to desolder micro components. You will learn my Patented/Trademarked and Copyrighted DIY Video Chip/GPU Reflow Of the BGA method (not like the YouTube Knucklehead methods floating around out there). This Book is a first of it's kind, the other books claiming to be Laptop Repair Books do not show you Motherboard Repairing, which 99% of the time you will need to know. They Do not show you step by step instructions on repairing major issues such as any occurring Motherboard issue, This book however does. This Book shows you

step by step instructions on DC Jack repairing, screen repairing, motherboard repairing and all other related issues. Amust have for any aspiring Technician or any Do It Yourselfer. The target audience that would benefit from this book would include: current and aspiring computer repair technicians and facilities, Schools, Colleges, Laptop Repair technicians and all other areas of the IT (internet technology) field. The book was written to allow a novice or even the one-timer to be able to follow along and achieve successful results. Going Above And Beyond CompTia A+ Certification !!! This book will educate you on the Correct Process of Repairing The Entire Laptop, Including and concentrating more on Motherboard Repair Instruction, Screen Repairing, Component Level Diagnosing and Repairing. This is the 3rd Book Released By Author Garry Romaneo, The Worlds Leading Laptop Repair Technician, Author, and Consultant. The book will take you through the laptops disassembly process, Explaining in detail

how to disassemble all laptops. You will then be taught all about Liquid Spills to Laptops. What to do, What not to do, How to Remove Liquid and How To Repair Any Damage from Liquid to parts or components. You will be shown all the various tools to be used in laptop repair both hand tools and electronic tools explained. This book will then explain the entire upper end repairing techniques. Replacing screens - how to- then it will show you in great detail how to disassembly the screen and repair or replace the LCD ccfl Bulb, the book will also discuss LED screens. You will be taught step by step how to solder a motherboard whether it is the components or the dc jack. The DC Jack Repair/Desoldering instructions are included. Most importantly, this book will teach you laptop motherboard repairing techniques. Learn to identify the parts and components on the motherboard, learn component replacement, motherboard testing techniques and more. This book also includes the authors

Patented/Copyrighted and Trademarked Laptop Video Chip/GPU Motherboard Online Repair instruction. There is a lot more included (Part Identification, Hard Drive Failure Issues etc...)so check it out now. Going Above And Beyond CompTia A+ Certification !!! This is a fully comprehensive instructional course in getting into the business of repairing all makes of laptops. Chip-level Training will be customized for your present knowledge of electronics. If you go through the fundamental track, all the power electronic components will be introduced before we move to the logics section. After you become comfortable with power electronics the logic session follows. It is an intensive coverage into the intricate details of chip-level service of the laptops. This involves detailed circuit tracing, signal analysis, replacement of SMD devices and all the tips and tricks our service engineers acquired from the years of experiences. The session makes you confident enough to chip-level service the new generation notebooks from

Lenovo, Compaq, HP, Toshiba, Sony and the like. Most computer users think that fiddling with the insides of their PC is taboo. They fear that by removing the screws that hold the case on, they're crossing into forbidden territory. And even for those who know they can open the box and fix or upgrade their PC, analysis paralysis often stops them in their tracks: Which upgrades offer the best bang for the buck? How do you pinpoint the faulty component that's making your system freeze? What about compatibility issues? Get ready to get unstuck and get your PC running fast and running right. Repairing and Upgrading Your PC delivers start-to-finish instructions, simple enough for even the most inexperienced PC owner, for troubleshooting, repairing, and upgrading your computer. Written by hardware experts Robert Bruce Thompson and Barbara Fritchman Thompson, this book covers it all: how to troubleshoot a troublesome PC, how to identify which components make sense for an upgrade, and

how to tear it all down and put it back together. This book shows how to repair and upgrade all of your PC's essential components: Motherboard, CPU, and Memory. Choose the optimal match of these core components to keep your PC running at top speed Hard Drive, Optical Drive, and Removable Storage Give your computer what it needs for long-term and short-term storage Audio and Video. Enhance your computing experience with the right sound and graphics devices for your needs Input Devices. Pick the best keyboard and mouse to keep your hands happy and healthy Networking. Set up secure wireless networking to keep the bits flowing between your computers and the outside world Cases and Power Supplies. Keep everything running cool and reliably With its straightforward language, clear instructions, and extensive illustrations, this book makes it a breeze for PC owners of any skill level to work on their computer. Computer Service and Repair presents the most up-to-date information in the

rapidly changing world of computers and their software. The text teaches the practices and principles needed to pass the A+ Certification exam, as well as to build, upgrade, and troubleshoot your personal PC. The text is written for students with limited or no PC technical experience as well as for PC technicians with limited formal training. Each chapter covers the latest in hardware and software as well as legacy items that may be found in the field. Chapters cover all the major areas of the PC; an additional three-chapter section is devoted to networking. Laboratories are found in both the text and the Laboratory Manual for the important hands-on training needed for this field. This textbook is an ideal starting point for anyone who wishes to enter the field of PC repair and support. Your one-stop guide to Understanding and repairing motherboards, processors, chipsets, BIOS, and system resources Updating and optimizing memory and aging systems Diagnosing common

PC problems and performing routine maintenance Installing and configuring system upgrades Working safely with the electrical components of a PC Troubleshooting peripherals, storage systems and devices, sight and sound systems, and more Here's everything you need to know to fix or maintain a PC—and nothing you don't If you're a PC technician, time is money. Bestselling author Ron Gilster trimmed every scrap of fat from this indispensable reference guide, packing it with clear, concise information that helps you do your job. Organized by hardware or component groups—motherboards, storage devices, printers, communications and networking, operating system software, and so on—it's liberally illustrated for faster comprehension. This is the one book you can't afford not to have on your repair bench.

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