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fix your own computer without becoming a technical expert this book is the fastest way to save money on computer repairs avoid unnecessary frustration and keep using perfectly good equipment instead of throwing it away even if you re completely non technical you ll learn how to get the job done one incredibly clear and easy step at a time computer repair and maintenance has never ever been this simple who knew how simple fixing your computer could be this is the easiest most practical beginner s guide to fixing your own computer simple reliable instructions and crystal clear pictures that show you exactly how to do it yourself here s a small sample of what you ll learn maintain your computer so it s less likely to break in the first place perform simple ounce of prevention tasks now so it s easier to fix problems later learn simple troubleshooting techniques for figuring out what s wrong find the right tools you might already have them buy the right parts without spending more than you have to fix aggravating windows startup problems smoothly recover from pc crashes perform basic hardware repairs or upgrades at home often in minutes install a new hard disk cd dvd drive or blu ray drive speed up your computer by adding memory or upgrading its processor troubleshoot and fix network and internet connection problems and much more paul mcfedries is a full time technical writer and passionate computer tinkerer he has authored more than 80 computer books that have sold more than 4 million copies his recent titles include my office 2013 rt windows 8 in depth microsoft windows 7 unleashed microsoft home server 2011 unleashed and tweak it and freak it a killer guide to making windows run your way he is also proprietor of word spy wordspy com a website that tracks new words and phrases as they enter the english language 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 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 for anyone who owns a computer this guide puts at their fingertips simple strategies for the maintenance troubleshooting repair and upgrading of their ibm pcs xts ats and clones readers will be able to prolong the life of their computer as well as save money on repairs lost data and down time with the help of the book s foolproof step by step instructions 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 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 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 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 build it fix it own it a beginner s guide to building and upgrading a pc build it fix it own it is the ultimate beginner s guide to building and fixing your own pc with a friendly knowledgeable tone this book shows the beginning pc builder everything he or she needs to know to build a computer or upgrade an existing one we step you through the parts that lurk inside a pc from the motherboard and power supply to the cpu memory hard drive video card sound card and networking hardware in each case you will learn how the hardware works what it does what types of hardware are available and what to look for when buying the hardware then we walk you step by step though a series of pc building projects we show you how to build five different types of pc a basic business pc a home theater pc a high performance pc a killer gaming pc and a budget pc and if building a new pc from scratch isn t in your budget we show you how to resurrect an old pc by swapping out a few key components when you have your pc built and running we show you how to set up a wireless network and the bios and maintain your new rig build it fix it own it is the ultimate pc builder s guide even if you ve never ventured inside a pc case before author bio paul mcfedries is one of the industry s most well known and respected technical writers and is a passionate computer tinkerer he is the author of more than 70 computer books that have sold more than three million copies worldwide his recent titles include the sams publishing books windows vista unleashed and windows home server unleashed and the que publishing books networking with microsoft windows vista formulas and functions with microsoft excel 2007 tricks of the microsoft office 2007 gurus and microsoft access 2007 forms reports and queries paul also is the proprietor of word spy wordspy.com a website devoted to tracking new words and phrases as they enter the english language category hardware covers pc hardware user level beginner intermediate 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 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 fonerbooks.com an ebook version is also available direct from the publisher 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 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 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 provides information on upgrading computer memory increasing speed adding multimedia equipment and fixing common problems this full colour manual shows how easy it is to upgrade maintain and repair a pc from adding more memory to installing a dvd drive it takes the reader through each stage using plain english and clear photographs designed to be of use for the small business student or home user the jargon free manual should save time and money and give readers a basic understanding of all areas of computer hardware and installation without blinding them with science troubleshooting pc hardware problems from boot failure to poor performance p 4 of cover 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 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 don't junk it fix it and save a fortune the only reference tutorial of its kind in full color fix your own iphone ipad or ipod with secret repair knowledge apple doesn't want you to have this groundbreaking full color book shows you how to resurrect expensive apple mobile devices you thought were dead for good and save a fortune apple certified repair technician timothy l warner demystifies everything about idevice repair presenting simple step by step procedures and hundreds of crisp detailed full color photos he'll walk you through safely taking apart your idevice replacing what's broken and reliably reassembling it you'll learn where to get the tools and exactly how to use them warner even reveals sources for broken apple devices you can fix at low cost for yourself or even for resale replace all these idevice components battery display sim card logic board dock connector take apart fix and reassemble ipod nano 5th 7th gen ipod touch 4th 5th gen iphone 3gs 4 4s 5 ipad ipad 2 ipad 4th gen ipad mini fix common software related failures emergency data recovery jailbreaking carrier unlocking do what apple never intended resurrect a waterlogged idevice prepare an idevice for resale install non apple store apps perform out of warranty repairs all technical content reviewed approved by ifixit world leader in idevice parts tools and repair tutorials 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 its 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 must 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 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 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 the complete idiot s guide to upgrading and repairing pcs fourth edition teaches you how to upgrade your pc peripherals to increase productivity on your pc without intimidating or offending you a straight forward conversational tone provides basic information in purchasing and installing the newest technology for multimedia and more you will learn how various software applications and operating systems upgrades can help you use or not use your pc more efficiently this book gives you the foundation on what a pc is and how to upgrade it in everyday language 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 this is the newest comprehensive update to the world s 1 guide to pc repair and maintenance world renowned pc hardware expert scott mueller has thoroughly updated his legendary upgrading and repairing pcs to reflect today s latest pc technologies and added a new dvd with more than two hours of digital video demonstrating pc maintenance and repair which can be watched on either their dvd equipped pcs or any dvd player mueller presents updated coverage of every significant pc component processors motherboards memory the bios ide and scsi interfaces drives removable and optical storage video and audio hardware usb firewire internet connectivity lans power supplies even pc cases this book also contains a detailed troubleshooting index designed to help readers rapidly diagnose more than 250 common pc hardware problems as well as an extensive vendor contact guide and a comprehensive pc technical glossary 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 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 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 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 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 lenova compaq hp toshiba sony and the like 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 accompanying cd rom includes adobe acrobat file ch20rev12 24 pdf which contains review questions for chapter 20 you re beyond the basics so dive right into troubleshooting windows 7 and really put your pc to work this supremely organized reference describes hundreds of prevention tips troubleshooting techniques and recovery tools in one essential guide it s all muscle and no fluff discover how the experts keep their windows 7 based systems running smoothly and challenge yourself to new levels of mastery take control of essential windows 7 maintenance and security features such as the action center and user account control master quick fixes to the most common problems using expert tips and step by step repair guides implement best practices to help prevent and combat viruses malware and identity theft apply advanced troubleshooting techniques by understanding how windows 7 works diagnose hardware problems and work safely with your pc develop a recovery plan to restore your system and data in the event of a disaster know when to use power utilities for advanced performance maintenance and diagnostics your book online get your fully searchable online edition with unlimited access on the