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KEY=ROBINAIR - CLINTON HUFFMAN

HOW TO REPAIR AUTOMOTIVE AIR-CONDITIONING AND HEATING SYSTEMS

CarTech Inc Technical instructor and HVAC expert Jerry Clemons completely covers both air-conditioning as well as heating systems, so you can save money repairing your own vehicle. Covered is a history of HVAC systems, airflow throughout the system, the principles of refrigerant, diagnosis of common faults in older systems, testing procedures, and finally repair and, in the case of air conditioning, recharging your system. Also included is proper evacuation and disposal of any residual refrigerant in the system. Components such as compressors, condensers, evaporators and heater cores, pressure switches and climate control electrics and switches are also covered. Finally, for people with older cars, converting from the no-longer-available R-12 to R134a is detailed. Automotive climate controls are a complex system and are difficult to repair without proper instruction. Whether you are trying to get your old classic back to its original form or are just looking to save on expensive repairs, author Jerry Clemons and this book provide the knowledge you will need to get your car back on the road and cruising in comfort.

FLEET OWNER

THE TAB BOOK OF ARDUINO PROJECTS: 36 THINGS TO MAKE WITH SHIELDS AND PROTO SHIELDS

McGraw Hill Professional The ultimate collection of DIY Arduino projects! In this easy-to-follow book, electronics guru Simon Monk

shows you how to create a wide variety of fun and functional gadgets with the Arduino Uno and Leonardo boards. Filled with step-by-step instructions and detailed illustrations, The TAB Book of Arduino Projects: 36 Things to Make with Shields and Proto Shields provides a cost estimate, difficulty level, and list of required components for each project. You'll learn how to design custom circuits with Proto Shields and solder parts to the prototyping area to build professional-quality devices. Catapult your Arduino skills to the next level with this hands-on guide. Build these and many more innovative Arduino creations: Persistence-of-vision (POV) display High-power LED controller Color recognizer RFID door lock Fake dog Person counter Laser alarm Theramin-like instrument FM radio receiver Email notifier Network temperature and humidity sensor Seven segment LED clock Larson scanner Conway's game of life Singing plant Ultrasonic rangefinder Temperature and light logger Autoranging capacitance meter Geiger counter

TIRES AND TRACKS

REFRIGERANT CHARGING AND SERVICE PROCEDURES FOR AIR CONDITIONING

AC Service Tech, LLC This Ebook is dedicated to those who are eager to learn the HVACR Trade and Refrigerant Charging/Troubleshooting Practices. In this book, you will find Step by Step Procedures for preparing an air conditioning and heat pump system for refrigerant, reading the manifold gauge set, measuring the refrigerants charge level, and troubleshooting problems with the system's refrigerant flow. This book differs from others as it gives key insights into each procedure along with tool use from a technician's perspective, in language that the technician can understand. This book explains the refrigeration cycle of air conditioners and heat pumps, refrigerant properties, heat transfer, the components included in the system, the roles of each component, airflow requirements, and common problems. Procedures Included: Pump Down, Vacuum and Standing Vacuum Test, Recovery and Recovery Bottle Use, Refrigerant Manifold Gauge Set and Hose Connections, Service Valve Positions and Port Access, Preparation of the System for Refrigerant, Refrigerant Charging and Recovery on an Active System, Troubleshooting the Refrigerant Charge and System Operation

HOW TO DIAGNOSE AND REPAIR AUTOMOTIVE ELECTRICAL SYSTEMS

HOLLEY CARBURETORS

HOW TO REBUILD

CarTech Inc During the muscle car wars of the 1960s, Holley carburetors emerged as the carbs to have because of their easy-to-tune

design, abundance of parts, and wide range of sizes. The legendary Double Pumper, the universal 600-cfm 1850 models, the Dominator, and now the Avenger have stood the test of time and are the leading carburetors in the high-performance engine market. To many enthusiasts, the operation, components, and rebuilding procedures remain a mystery. Yet, many carburetors need to be rebuilt and properly set up for a particular engine package. Veteran engine building expert and automotive author Mike Mavrigian guides you through each important stage of the rebuilding process, so you have the best operating carburetor for a particular engine and application. In addition, he explains carb identification as well as idle, mid-range and high-speed circuit operation, specialty tools, and available parts. You often need to replace gaskets, worn parts, and jets for the prevailing weather/altitude conditions or a different engine setup. Mavrigian details how to select parts then disassemble, assemble, and calibrate all of the major Holley carburetors. In an easy-to-follow step-by-step format, he shows you each critical stage for cleaning sensitive components and installing parts, including idle screws, idle air jets, primary/secondary main jets, accelerator pumps, emulsion tubes, and float bowls. He also includes the techniques for getting all of the details right so you have a smooth-running engine. Holley carburetor owners need a rebuilding guide for understanding, disassembling, selecting parts, and reassembling their carbs, so the carb then delivers exceptional acceleration, quick response, and superior fuel economy. With *Holley Carburetors: How to Rebuild* you can get the carb set up and performing at its best. And, if desired, you can move to advanced levels of tuning and modifying these carbs. If you're looking for the one complete book that helps you quickly and expertly rebuild your Holley and get back on the road, this book is a vital addition to your performance library.

HOW TO REBUILD GM LS-SERIES ENGINES

CarTech Inc With the increasing popularity of GM's LS-series engine family, many enthusiasts are ready to rebuild. The first of its kind, *How to Rebuild GM LS-Series Engines*, tells you exactly how to do that. The book explains variations between the various LS-series engines and elaborates up on the features that make this engine family such an excellent design. As with all Workbench titles, this book details and highlights special components, tools, chemicals, and other accessories needed to get the job done right, the first time. Appendices are packed full of valuable reference information, and the book includes a Work-Along Sheet to help you record vital statistics and measurements along the way.

PRACTICAL ENGINE AIRFLOW

PERFORMANCE THEORY AND APPLICATIONS

CarTech Inc The efficient flow of air through an engine is instrumental for producing maximum power. To maximize performance,

engine builders seek to understand how air flows through components and ultimately through the entire engine. Engine builders use this knowledge and apply specific practices and principles to unlock horsepower within an engine; this applies to all engine types, including V-8s, V-6s, and imported 4-cylinder engines. Former Hot Rod magazine editor and founder of Westech Performance Group John Baechtel explains airflow dynamics through an engine in layman's terms so you can easily absorb it and apply it. The principles of airflow are explained; specifically, the physics of air and how it flows through major engine components, including the intake, heads, cylinders, and exhaust system. The most efficient and least restricted path through an engine is the key to high performance. To get to this higher level, the author explains atmospheric pressure, air density, and brake specific fuel consumption so you understand the properties of fuel for tuning. Baechtel covers the primary factors for optimizing the airflow path. This includes the fundamentals of air motion, air velocity, and boundary layers; obstructions; and pressure changes. Flowing air through the heads and the combustion chamber is key and is comprehensively explained. Also comprehensively explored is the exhaust system's airflow, in particular primary tube size and length, collector function, and scavenging. Chapters also include flowbench testing, evaluating flow numbers, and using airflow software. In the simplest terms, an engine is an air pump. Whether you're a professional engine builder or a serious amateur engine builder, you must understand engine airflow dynamics and must apply these principles if you want to optimize performance. If you want to achieve ultimate engine performance, you need this book.

DESIGNING AND TUNING HIGH-PERFORMANCE FUEL INJECTION SYSTEMS

CarTech Inc Looks at the combustion basics of fuel injection engines and offers information on such topics as VE equation, airflow estimation, setups and calibration, creating timing maps, and auxiliary output controls.

PERFORMANCE EXHAUST SYSTEMS

HOW TO DESIGN, FABRICATE, AND INSTALL

CarTech Inc To extract maximum performance, an engine needs an efficient, well-designed, and properly tuned exhaust system. In fact, the exhaust system's design, components, and materials have a large impact on the overall performance of the engine. Engine builders and car owners need to carefully consider the exhaust layout, select the parts, and fabricate the exhaust system that delivers the best performance for car and particular application. Master engine builder and award-winning writer Mike Mavrigian explains exhaust system principles, function, and components in clear and concise language. He then details how to design, fabricate, and fit exhaust systems to classic street cars as well as for special and racing applications. Air/exhaust-gas flow dynamics and exhaust system design are explained. Cam duration and overlap are also analyzed to determine how an engine breathes in air/fuel, as the

exhaust must efficiently manage this burned mixture. Pipe bending is a science as well as art and you're shown how to effectively crush and mandrel bend exhaust pipe to fit your header/manifold and chassis combination. Header tube diameter and length is taken into account, as well as the most efficient catalytic converters and resonators for achieving your performance goals. In addition, Mavrigian covers the special exhaust system requirements for supercharged and turbocharged systems. When building a high-performance engine, you need a high-performance exhaust system that's tuned and fitted to that engine so you can realize maximum performance. This comprehensive book is your guide to achieving ultimate exhaust system performance. It shows you how to fabricate a system for custom applications and to fit the correct prefabricated system to your car. No other book on the market is solely dedicated to fabricating and fitting an exhaust system in high-performance applications.

HOW TO SUPER TUNE AND MODIFY HOLLEY CARBURETORS

CarTech Inc In *How to Super Tune and Modify Holley Carburetors*, best selling author Vizard explains the science, the function, and most importantly, the tuning expertise required to get your Holley carburetor to perform its best for your performance application.

DAVID VIZARD'S HOW TO PORT AND FLOW TEST CYLINDER HEADS

CarTech Inc Author Vizard covers blending the bowls, basic porting procedures, as well as pocket porting, porting the intake runners, and many advanced procedures. Advanced procedures include unshrouding valves and developing the ideal port area and angle.

HOW TO REBUILD HONDA B-SERIES ENGINES

CarTech Inc The first book of its kind, *How to Rebuild the Honda B-Series Engines* shows exactly how to rebuild the ever-popular Honda B-series engine. The book explains variations between the different B-series designations and elaborates upon the features that make this engine family such a tremendous and reliable design. Honda B-series engines are some of the most popular for enthusiasts to swap, and they came in many popular Honda and Acura models over the years, including the Civic, Integra, Accord, Prelude, CRX, del Sol, and even the CR-V. In this special Workbench book, author Jason Siu uses more than 600 photos, charts, and illustrations to give simple step-by-step instructions on disassembly, cleaning, machining tips, pre-assembly fitting, and final assembly. This book gives considerations for both stock and performance rebuilds. It also guides you through both the easy and tricky procedures, showing you how to rebuild your engine and ensure it is working perfectly. Dealing with considerations for all B-series engines-foreign and domestic, VTEC and non-VTEC-the book also illustrates many of the wildly vast performance components, accessories, and upgrades available for B-series engines. As with all Workbench titles, this book details and highlights special components, tools, chemicals, and

other accessories needed to get the job done right, the first time. Appendices are packed full of valuable reference information, and the book includes a Work-Along-Sheet to help you record vital statistics and measurements along the way. You'll even find tips that will help you save money without compromising top-notch results.

GM AUTOMATIC OVERDRIVE TRANSMISSION BUILDER'S AND SWAPPER'S GUIDE

CarTech Inc Vehicle maintenance.

TROUBLESHOOTING AND REPAIR OF DIESEL ENGINES

McGraw Hill Professional Harness the Latest Tools and Techniques for Troubleshooting and Repairing Virtually Any Diesel Engine Problem The Fourth Edition of Troubleshooting and Repairing Diesel Engines presents the latest advances in diesel technology. Comprehensive and practical, this revised classic equips you with all of the state-of-the-art tools and techniques needed to keep diesel engines running in top condition. Written by master mechanic and bestselling author Paul Dempsey, this hands-on resource covers new engine technology, electronic engine management, biodiesel fuels, and emissions controls. The book also contains cutting-edge information on diagnostics...fuel systems...mechanical and electronic governors...cylinder heads and valves...engine mechanics...turbochargers...electrical basics...starters and generators...cooling systems...exhaust aftertreatment...and more. Packed with over 350 drawings, schematics, and photographs, the updated Troubleshooting and Repairing Diesel Engines features: New material on biodiesel and straight vegetable oil fuels Intensive reviews of troubleshooting procedures New engine repair procedures and tools State-of-the-art turbocharger techniques A comprehensive new chapter on troubleshooting and repairing electronic engine management systems A new chapter on the worldwide drive for greener, more environmentally friendly diesels Get Everything You Need to Solve Diesel Problems Quickly and Easily • Rudolf Diesel • Diesel Basics • Engine Installation • Fuel Systems • Electronic Engine Management Systems • Cylinder Heads and Valves • Engine Mechanics • Turbochargers • Electrical Fundamentals • Starting and Generating Systems • Cooling Systems • Greener Diesels

AUTOMOTIVE HEATING & AIR CONDITIONING

Haynes Manuals N. America, Incorporated Written for the do-it-yourselfer, good enough for the pro. Includes everything you wish to know about your vehicles heating and air conditioning. From simple adjustments, to complete tune-ups and troubleshooting.

4X4 SUSPENSION HANDBOOK

CarTech Inc Author Trenton McGee, 4x4 suspension expert and host of Outdoor Channels Off-Road Adventures, explains 4x4 suspension systems in an easy-to-understand manner. He gets specific on types of suspensions available from all the major manufacturers including Jeep, Toyota, Ford, Chevy, and Dodge. He goes into a great level of detail on every different model, including early and modern model systems.

MODERN ENGINE BLUEPRINTING TECHNIQUES

A PRACTICAL GUIDE TO PRECISION ENGINE BUILDING

CarTech Inc Engine production for the typical car manufactured today is a study in mass production. Benefits in the manufacturing process for the manufacturer often run counter to the interests of the end user. What speeds up production and saves manufacturing costs results in an engine that is made to fall within a wide set of standards and specifications, often not optimized to meet the original design. In short, cheap and fast engine production results in a sloppy final product. Of course, this is not what enthusiasts want out of their engines. To maximize the performance of any engine, it must be balanced and blueprinted to the exact tolerances that the factory should have adhered to in the first place. Four cylinder, V-8, American or import, the performance of all engines is greatly improved by balancing and blueprinting. Dedicated enthusiasts and professional racers balance and blueprint their engines because the engines will produce more horsepower and torque, more efficiently use fuel, run cooler and last longer. In this book, expert engine builder and veteran author Mike Mavrigian explains and illustrates the most discriminating engine building techniques and perform detailed procedures, so the engine is perfectly balanced, matched, and optimized. Balancing and blueprinting is a time consuming and exacting process, but the investment in time pays off with superior performance. Through the process, you carefully measure, adjust, machine and fit each part together with precision tolerances, optimizing the design and maximizing performance. The book covers the block, crankshaft, connecting rods, pistons, cylinder heads, intake manifolds, camshaft, measuring tools and final assembly techniques. For more than 50 years, balancing and blueprinting has been an accepted and common practice for maxi

VEHICLE HANDLING DYNAMICS

THEORY AND APPLICATION

Butterworth-Heinemann This is the first book to combine classical vehicle dynamics with electronic control. The equation-based

presentation of the theory behind vehicle dynamics enables readers to develop a thorough understanding of the key attribute to both a vehicle's driveability and its active safety. Supported by MATLAB tools, the key areas that affect vehicle dynamics are explored including tire mechanics, the steering system, vehicle roll, traction and braking, 4WS and vehicle dynamics, vehicle dynamics by vehicle and human control, and controllability. As a professional reference volume, this book is an essential addition to the resources available to anyone working in vehicle design and development. Written by a leading authority in the field (who himself has considerable practical experience), the book has a unique blend of theory and practice that will be of immense value in this applications based field. Get a thorough understand of why vehicles respond they way they do with a complete treatment of vehicle dynamics from theory to application Full of case studies and worked examples using MATLAB/Simulink Covers all variables of vehicle dynamics including tire and vehicle motion, control aspects, human control and external disturbances

COMPETITION ENGINE BUILDING

ADVANCED ENGINE DESIGN AND ASSEMBLY TECHNIQUES

CarTech Inc Authored by veteran author John Baechtel, COMPETITION ENGINE BUILDING stands alone as a premier guide for enthusiasts and students of the racing engine. It will also find favor as a reference guide for experienced professionals for years to come.

EVERY TIME A BELL RINGS

Tule Publishing Once upon a time, he was everything to her, except for one thing: her future Christmas sparkles from every bough and window at the cozy Four Winds Ski Resort, where single mother Eden Kendall and her eight-year-old son are spending the holiday. A surprise marriage proposal from her boss's son wasn't on her Christmas list, but it's the perfect excuse to get away and weigh her options. She never imagined her son's ski instructor/Santa impersonator would be the gorgeous, charismatic dreamer she left behind years ago, the one who still owns a piece of her heart. Cole Hagan has never stopped loving Eden and he's spent the last eight years proving her wrong on every count about his potential. While he fights to save the resort that he helped to build by organizing a holiday concert, he decides it's about time that Eden puts aside her list-making pragmatism so that she and her skeptical son can experience the true magic of Christmas. Can a not-so-perfect angel help this unlikely pair get a second chance at happily ever after?

DO-IT-YOURSELF HIGH PERFORMANCE CAR MODS

RULE THE STREETS

McGraw Hill Professional A Step-by-Step Guide to Building Your Dream Hot Rod Inside and Out! Get revved up! Everything you need to know about building your dream hot rod is inside this book. You now have at your disposal the basic automotive techniques and tools necessary to install any modification to your car. Here's the fastest and easiest way to get started! Do-It-Yourself High-Performance Car Mods is designed to help you modify cars and light trucks for improved performance. While there are many books on individual systems on a car, this practical step-by-step guide provides you with a thorough working knowledge of ALL the systems in a single resource. Automotive journalist and experienced engineer Matt Cramer has created an invaluable reference for readers regardless of age or experience. Whether you're a hobbyist new to the world of performance cars or a veteran car enthusiast looking to take the next step, you will become better equipped to drive off in the car of your dreams. There's never been a simpler, more practical approach to modifying cars and light trucks, so you can do-it-yourself--and ultimately end up in the winner's circle! Do-It-Yourself High-Performance Car Mods includes valuable information on: How car systems work Simple ways to improve performance Getting more power out of your engine How to find reliable sources Separating marketing hype from reality Adjusting the engine components and controls for best performance How improving one area may impede another

PERFORMANCE AUTOMOTIVE ENGINE MATH

CarTech Inc Multi-time author and well-regarded performance engine builder/designer John Baechtel has assembled the relevant mathematics and packaged it all together in a book designed for automotive enthusiasts. This book walks readers through the complete engine, showcasing the methodology required to define each specific parameter, and how to translate the engineering math to hard measurements reflected in various engine parts. Designing the engine to work as a system of related components is no small task, but the ease with which Baechtel escorts the reader through the process makes this book perfect for both the budding engine enthusiast and the professional builder.

HOW TO RESTORE YOUR VOLKSWAGEN BEETLE

BMW 3-SERIES (E36) 1992-1999: HOW TO BUILD AND MODIFY

Cartech The BMW 3 Series set the benchmark for performance and luxury. Yet even at this high standard, these cars can be

dramatically improved. Each major component group of the car can be modified or upgraded for more performance, so you can build a better car that's balanced and refined.

BRAKE REPAIR: HOW TO DIAGNOSE, FIX, OR REPLACE YOUR CAR'S BRAKES: STEP-BY-STEP

CarTech Inc Save time and hundreds of dollars by learning how to repair and overhaul your car's brakes. There are many automotive tasks that are best left to qualified and certified professionals when considering repairing your automobile. There are also many tasks that can be tackled by the weekend do-it-yourselfer with a decent level of instruction. While just about any system repair or overhaul on more modern cars has gotten more complex over time, brake diagnosis and repair is still well within reach for the home mechanic with a reasonable set of hand tools. In Brake Repair: How to Diagnose, Fix, or Replace Your Car's Brakes: Step-By-Step, ASE technician and professional instructor Steven Cartwright takes you through the entire process of servicing your car's brakes to like-new condition. Ten informative chapters cover everything you will need to know, including chapters on brake history, an overview of function, types of brakes, power assist, troubleshooting, electronic controls such as ABS, and finally, a complete chapter showing you how to do an entire brake job in step-by-step color photos. With traditional dealership labor rates hovering around \$125 per hour these days, it is easy for a standard four-wheel disc brake job to cost close to \$1,000 when all is said and done. With the help of this book, you will be able to competently and confidently complete the task in similar fashion for less than half the cost, paying for this book many times over the very first time you use it. Add this valuable tool to your library today.

AUTOMOTIVE WIRING AND ELECTRICAL SYSTEMS

CarTech Inc Often, wiring and electrical work intimidate automotive do-it-yourselfers more than anything else. It's not mechanical, and therefore, it's unfamiliar territory. Electrons are invisible, and to an untrained enthusiast they can do unpredictable things. Finally, here is an enthusiast's guide that takes the mysteries and misunderstandings out of automotive electrical design, modification, diagnostics, and repair. Automotive Wiring and Electrical Systems is the perfect book to unshroud the mysteries of automotive electrics and electronic systems. The basics of electrical principles, including voltage, amperage, resistance, and Ohm's law, are revealed in clear and concise detail so the enthusiast understands what these mean in the construction and repair of automotive electrical circuits. All the tools and the proper equipment required for automotive electrical tasks are covered. In addition, this in-depth guide explains how to perform more complex tasks, such as adding new circuits, installing aftermarket electronics, repairing existing circuits, and troubleshooting. It also explains how to complete popular wiring projects, such as adding late-model electronic accessories and convenience items to earlier-model cars, installing relay systems, designing and assembling multi-function circuits

and harnesses, and much more. With this book in hand, you will be able to assemble, design, and build single- and multi-function circuits and harnesses, troubleshoot and repair existing circuits, and install aftermarket systems and electronics. Automotive Wiring and Electrical Systems is the perfect book for wiring a hot rod from scratch, modifying muscle car electrical circuits for cooling fans and/or power windows, or adding a big stereo and other conveniences to modern performance cars.

THE COMPLETE BUILDER'S GUIDE TO HOT ROD CHASSIS AND SUSPENSIONS

CarTech Inc In How to Build Hot Rod Chassis, highly regarded hot rodding author Jeff Tann covers everything enthusiasts need to know about designing and building their new chassis and suspension system. It thoroughly explores both factory and aftermarket frames, modified factory solid-axle suspensions, and aftermarket independent front and rear suspension setups. No matter what design a reader may be considering for his own car, How to Build Hot Rod Chassis delivers a wealth of information on the pros and cons of all systems available.

IT CAME FROM THE GARAGE!

AN ANTHOLOGY OF AUTOMOTIVE HORROR

Shift your fear into top gear. Set your pulse racing with this collection of automotive horror that fires on all cylinders. This bad boy comes fully-optioned with fifteen tales of classic cars and motorcycles behaving badly; and the star-studded lineup is sure to provide all the nightmare fuel you can handle. So strap in and hold on, because we're going pedal to the metal. It's blood-soaked horror or bust, and we aren't stopping for anything. You're in for a ride.

DEVELOPING INTELLIGENT AGENT SYSTEMS

A PRACTICAL GUIDE

John Wiley & Sons Build your own intelligent agent system... Intelligent agent technology is a tool of modern computer science that can be used to engineer complex computer programmes that behave rationally in dynamic and changing environments. Applications range from small programmes that intelligently search the Web buying and selling goods via electronic commerce, to autonomous space probes. This powerful technology is not widely used, however, as developing intelligent agent software requires high levels of training and skill. The authors of this book have developed and tested a methodology and tools for developing intelligent agent systems. With this methodology (Prometheus) developers can start agent-oriented designs and implementations easily from scratch

saving valuable time and resources. Developing Intelligent Agent Systems not only answers the questions “what are agents?” and “why are they useful?” but also the crucial question: “how do I design and build intelligent agent systems?” The book covers everything a practitioner needs to know to begin to effectively use this technology - including an introduction to the notion of agents, a description of the concepts involved, and a software engineering methodology. Read on for: a practical step-by-step introduction to designing and building intelligent agent systems. a full life-cycle methodology for developing intelligent agent systems covering specification, analysis, design and implementation of agents. PDT: Prometheus Design Tool - software support for the Prometheus design process. the example of an electronic bookstore to illustrate the design process throughout the book. Electronic resources including the Prometheus Design Tool (PDT), can be found at: <http://www.cs.rmit.edu.au/agents/prometheus> This book is aimed at industrial software developers, software engineers and at advanced undergraduate students. It assumes knowledge of basic software engineering but does not require knowledge of Artificial Intelligence or of mathematics. Familiarity with Java will help in reading the examples in chapter 10.

FOR BETTER OR FOR WORSE? COLLABORATIVE COUPLES IN THE SCIENCES

Springer Science & Business Media In this volume, a distinguished set of international scholars examine the nature of collaboration between life partners in the sciences, with particular attention to the ways in which personal and professional dynamics can foster or inhibit scientific practice. Breaking from traditional gender analyses which focus on divisions of labor and the assignment of credit, the studies scrutinize collaboration as a variable process between partners living in the nineteenth and twentieth centuries who were married and divorced, heterosexual and homosexual, aristocratic and working-class and politically right and left. The contributors analyze cases shaped by their particular geographical locations, ranging from retreat settings like the English countryside and Woods Hole, Massachusetts, to university laboratories and urban centers in Berlin, Stockholm, Geneva and London. The volume demonstrates how the terms and meanings of collaboration, variably shaped by disciplinary imperatives, cultural mores, and the agency of the collaborators themselves, illuminate critical intellectual and institutional developments in the modern sciences.

ROBERT LUDLUM'S (TM) THE UTOPIA EXPERIMENT

Hachette UK With U.S. intelligence agencies wracked by internal power struggles and paralyzed by bureaucracy, the president has been forced to establish his own clandestine group--Covert-One. It's activated only as a last resort, when the threat is on a global scale and time is running out.The Utopia Experiment When Dresner Industries unveils the Merge, a device that is destined to revolutionize the world and make the personal computer and smartphone obsolete, Covert-One operative Colonel Jon Smith is

assigned to assess its military potential. He discovers that enhanced vision, real-time battlefield displays, unbreakable security, and near-perfect marksmanship are only the beginning of a technology that will change the face of warfare forever--and one that must be kept out of the hands of America's enemies at all costs. Meanwhile, in the mountains of Afghanistan, CIA operative Randi Russell encounters an entire village of murdered Afghans--all equipped with enhanced Merge technology that even the Agency didn't know existed. As Smith and Russell delve into the circumstances surrounding the Afghans' deaths, they're quickly blocked by someone who seems to have access to the highest levels of the military--a person that even the president knows nothing about. Is the Merge really as secure as its creator claims? And what secrets about its development is the Pentagon so desperate to hide? Smith and Russell are determined to learn the truth. But they may pay for it with their lives . . .

THE DEFINITIVE GUIDE TO LINUX NETWORK PROGRAMMING

Apres * Clear and abundant examples, using real-world code, written by three experienced developers who write networking code for a living. * Describes how to build clients and servers, explains how TCP, UDP, and IP work, and shows how to debug networking applications via packet sniffing and deconstruction. * Well suited for Windows developer looking to expand to Linux, or for the proficient Linux developer looking to incorporate client-server programming into their application.

NEUROLOGY FOR MRCP

THE ESSENTIAL GUIDE TO NEUROLOGY FOR MRCP PART 1, PART 2 AND PACES

World Scientific This book is the essential revision guide for neurology in the Membership of the Royal College of Physicians (MRCP). Neurology has been rated as the most difficult subject in MRCP examinations and there has been no concise and easy-to-use revision guide to help candidates through the exams until now. Neurology for MRCP is written by two experienced neurologists who have taught both the written (Part 1 and Part 2) and clinical (PACES) sections of the exam. This pioneering new book will also be useful for medical students sitting for their final examinations and for doctors who are preparing for the PLAB examination.

FLIGHT MECHANICS MODELING AND ANALYSIS

CRC Press The design, development, analysis, and evaluation of new aircraft technologies such as fly by wire, unmanned aerial vehicles, and micro air vehicles, necessitate a better understanding of flight mechanics on the part of the aircraft-systems analyst. A text that provides unified coverage of aircraft flight mechanics and systems concept will go a lon

UNDERSTANDING AUTOMOTIVE ELECTRONICS

WELDING FOR BEGINNERS IN FABRICATION

THE ESSENTIALS OF THE WELDING CRAFT

C-S Publication via PublishDrive Learn the essentials for every welding beginner. Take action and start mastering the welding craft. Learning such a complex craft can be difficult and even intimidating at first. The information can be overwhelming and the options may seem endless and confusing. So much so that it's hard to find the right place to start. That is why having a solid foundation of knowledge can drastically reduce the learning curve. You are in luck! This book offers all the essential information for a beginner. By starting in the right direction, you can become an expert welder in no time. All you need is the dedication and the desire to learn. Later down the road, you will be glad to know that you did not waste your time and money going in all directions and ending up nowhere. Here are some of the points you will find after downloading this book: - Workplace safety - Safety gear and how to choose the right one - Welding equipment - Stick Welding - MIG Welding - TIG Welding - Introduction to off-road welding Every craft takes time to master but we can reduce the learning curve by taking the right approach. Even if you are completely new to welding you can find everything you need in this book to build a solid baseline. The journey may take a while but the best you can do now is start in the right place. Stop wasting time deciding and take action. This book is the right place to start. Order now and begin your training.

KIDNAPPED STUDY GUIDE

Saddleback Educational Publishing Thirty-five reproducible activities per guide reinforce basic reading and comprehension skills while teaching high-order critical thinking. Also included are teaching suggestions, background notes, summaries, and answer keys. The guide is digital; simply print the activities you need for each lesson. Timeless Classics--designed for the struggling reader and adapted to retain the integrity of the original classic. These classic novels will grab a student's attention from the first page. Included are eight pages of end-of-book activities to enhance the reading experience.

LEWIS HAMILTON: MY STORY

HarperCollins UK Lewis Hamilton's explosive arrival on the Formula 1 scene has made front-page headlines. In My Story, for the first time Lewis opens up about his stunning debut season, including the gripping climax to the 2007 F1 World Championship, as well as his dad Anthony, his home life and his early years. The only book with the real story, as told by Lewis.