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KEY=I20 - REINA DUNN

CHRYSLER TORQUEFLITE A-904 & A-727

HOW TO REBUILD

CarTech Inc *The A-904 and A-727, debuting in 1960 and 1962, respectively, are 3-speed automatic Chrysler TorqueFlite Transmissions. In Mopar circles, they have become synonymous with strength, durability, and performance. In fact, 43 years after its first application, A-904s were still found in the Jeep lineup! TorqueFlites are known for their dependability, but many have endured a tremendous amount of abuse over 50-plus years when hooked up to V-8 Mopar powerplants. There is little doubt that some of these automatics could be prone to failure, or at least need a thorough rebuild. Tom Hand shares his decades of experience rebuilding TorqueFlite transmissions with chapters dedicated to troubleshooting, disassembly and reassembly, performance modifications, post-installation procedures, and the most thorough source guide offered in print, ever. The author walks you through the TorqueFlite rebuild with color photos showcasing step-by-step procedures with highly detailed, easy-to-follow text. This book will keep money in your pocket and add experience to your résumé, but more important, it will help you get your Mopar back on the road! p.p1 {margin: 0.0px 0.0px 0.0px 0.0px; font: 12.0px Arial}*

VAUXHALL/OPEL MERIVA

Haynes Service and Repair Manuals *A maintenance and repair manual for the DIY mechanic.*

PROFESSIONAL VALUES AND PRACTICE

ACHIEVING THE STANDARDS FOR QTS

Psychology Press *This book describes what you need to know, understand and demonstrate in order to achieve the Professional Values and Practices Standards, as you work towards Qualified Teacher Status.*

LAND ROVER SERIES II, IIA AND III

PETROL AND DIESEL (58-85) UP TO C

Haynes Manuals *A service and repair manual for the Land Rover series II, IIA & III.*

AUTOMOTIVE MACHINING

A GUIDE TO BORING, DECKING, HONING & MORE

CarTech Inc *Machining is an essential part of high-performance engine building and stock rebuilding, as well as certain servicing procedures. Although you may not own the expensive tooling and machining to perform all or any of the machining required for a quality build, you need to understand the principles, procedures, and goals for machining, so you can guide the machining process when outsourced. Classic and older engines typically require extensive machining and almost every major component of engine, including block, heads, intake, crankshaft, and pistons, require some sort of machining and fitment. A detailed, authoritative, and thorough automotive engine-machining guide for the hard-core enthusiast has not been available until now. Mike Mavrigian, editor of Engine Building Professional, walks you through each important machining procedure. A stock 300-hp engine build has far different requirements than a 1,000-hp drag race engine, and Mavrigian reveals the different machining procedures and plans according to application and engine design. The author also shows you how to inspect, measure, and evaluate components so you can provide astute guidance and make the best machine work choices. Machining procedures included are cylinder boring, align boring/honing, decking, valveseat cutting, cam tunnel boring, and a multitude of other services. In addition, multi-angle valve jobs, setting the valveseats, altering rocker arm ratio, re-conditioning connecting rods, and machining and matching valvetrain components are also covered. Whether you're an enthusiast engine builder or prospective machining student who wants to pursue a career as an automotive machinist, this book will provide insight and in-depth instruction for performing the most common and important machining procedures.*

COMMODORE 1997-2004

Renniks Publications *This comprehensive manual covers the complete Holden Commodore range including the Utility, Station Wagon and Statesman models. The first chapter, (Engine tune-up and maintenance) guides you through the most basic maintenance and tune-up procedures. It includes all specifications required, regardless of whether you are an owner wishing to change the oil, or a mechanic requiring detailed specifications for tune-up and maintenance. There are comprehensive chapters full of photographs and easy to follow instructions covering the 6Cyl. & V8 Engines, Automatic & Manual Transmissions, Fuel and Engine Management Systems, Brakes, Suspension, Steering, Rear Axle Assembly, Body Electronics, Heating, Interior & Exterior Body etc. There is a dedicated section covering Troubleshooting and Diagnostic Information as well as a comprehensive detailed electrical diagrams. The only manual available covering the complete VT, VX & VY family of vehicles. It is a must have for the D.I.Y. home mechanic through to the trade professionals. This comprehensive manual consists of 492 pages of step by step instructions with over 800 reference diagrams and photographs.*

7TH INTERNATIONAL MUNICH CHASSIS SYMPOSIUM 2016

CHASSIS.TECH PLUS

Springer *In chassis development, the three aspects of safety, vehicle dynamics and ride comfort are at the top of the list of challenges to be faced. Addressing this triad of challenges becomes even more complex when the chassis is required to interact with assistance systems and other systems for fully automated driving. What is more, new demands are created by the introduction of modern electric and electronic architectures. All these requirements must be met by the chassis, together with its subsystems, the steering, brakes, tires and wheels. At the same time, all physical relationships and interactions have to be taken into account.*

DAVID VIZARD'S HOW TO BUILD HORSEPOWER

CarTech Inc *Extracting maximum torque and horsepower from engines is an art as well as a science. David Vizard is an engineer and more aptly an engine building artist who guides the reader through all the aspects of power production and high-performance engine building. His proven high-performance engine building methods and techniques are revealed in this all-new edition of How to Build Horsepower. Vizard goes into extreme depth and detail for drawing maximum performance from any automotive engine. The production of power is covered from the most logical point from the air entering the engine all the way to spent gasses leaving through the exhaust. Explained is how to optimize all the components in between, such as selecting heads for maximum flow or port heads for superior power output, ideal valvetrain components, realizing the ideal rocker arm ratios for a particular application, secrets for selecting the best cam, and giving unique insight into all facets of cam performance. In addition, he covers how to select and setup superchargers, nitrous oxide, ignition and other vital aspects of high-performance engine building.*

THE EMPIRE OF CIVIL SOCIETY

A CRITIQUE OF THE REALIST THEORY OF INTERNATIONAL RELATIONS

Verso *This text presents a series of case studies - including classical Greece, Renaissance Italy and the Portuguese and Spanish empires - to show how the historical-materialist analysis of societies is a*

better guide to understanding global systems than the theories of standard international relations.

GLOBAL SUPPLY CHAIN AND OPERATIONS MANAGEMENT

A DECISION-ORIENTED INTRODUCTION TO THE CREATION OF VALUE

Springer This textbook presents global supply chain and operations management from a comprehensive perspective, combining value creation networks and interacting processes. It focuses on the operational roles in the networks and presents the quantitative and organizational methods needed to plan and control the material, information and financial flows in the supply chain. Each chapter of the book starts with an introductory case study. Numerous examples from various industries and services help to illustrate the key concepts. The book explains how to design operations and supply networks and how to incorporate suppliers and customers. As matching supply and demand is a core aspect of tactical planning, the book focuses on it before turning to the allocation of resources for fulfilling customer demands. Providing readers with a working knowledge of global supply chain and operations management, this textbook can be used in core, special and advanced classes. Therefore, the book targets a broad range of students and professionals involved with supply chain and operations management. Special focus is directed at bridging theory and practice.

FIAT 500 OWNER'S WORKSHOP MANUAL

Information on routine servicing and repair for the DIY mechanic, with tasks described and photographed in a step-by-step sequence.

AUTOMOTIVE PAINTS AND COATINGS

John Wiley & Sons Now in its second edition and still the only book of its kind, this is an authoritative treatment of all stages of the coating process -- from body materials, paint shop design, and pre-treatment, through primer surfacers and top coats. New topics of interest covered are color control, specification and testing of coatings, as well as quality and supply concepts, while valuable information on capital and legislation aspects is given. Invaluable for engineers in the automotive and paints and coatings industry as well as for students in the field.

4TH INTERNATIONAL CONFERENCE ON INTERNET OF THINGS AND CONNECTED TECHNOLOGIES (ICIOTCT), 2019

INTERNET OF THINGS AND CONNECTED TECHNOLOGIES

Springer Nature This book presents the proceedings of the 4th International Conference on Internet of Things and Connected Technologies (ICIOTCT), held on May 9–10, 2019, at Malaviya National Institute of Technology (MNIT), Jaipur, India. The Internet of Things (IoT) promises to usher in a revolutionary, fully interconnected “smart” world, with relationships between objects and their environment and objects and people becoming more tightly intertwined. The prospect of the Internet of Things as a ubiquitous array of devices bound to the Internet could fundamentally change how people think about what it means to be “online”. The ICIOTCT 2019 conference provided a platform to discuss advances in Internet of Things (IoT) and connected technologies, such as various protocols and standards. It also offered participants the opportunity to interact with experts through keynote talks, paper presentations and discussions, and as such stimulated research. With the recent adoption of a variety of enabling wireless communication technologies, like RFID tags, BLE, ZigBee, embedded sensor and actuator nodes, and various protocols such as CoAP, MQTT and DNS, IoT has moved on from its infancy. Today smart sensors can collaborate directly with machines to automate decision-making or to control a task without human involvement. Further, smart technologies, including green electronics, green radios, fuzzy neural approaches, and intelligent signal processing techniques play an important role in the development of the wearable healthcare devices.

BMW X3 (E83) SERVICE MANUAL: 2004, 2005, 2006, 2007, 2008, 2009, 2010: 2.5I, 3.0I, 3.0SI, XDRIVE 30I

The BMW X3 (E83) Service Manual: 2004-2010 contains in-depth maintenance, service and repair information for the BMW X3 from 2004 to 2010. The aim throughout has been simplicity and clarity, with practical explanations, step-by-step procedures and accurate specifications. Whether you're a professional or a do-it-yourself BMW owner, this manual helps you understand, care for and repair your BMW. Engines covered: M54 engine: 2.5i, 3.0i (2004-2006) N52 engine: 3.0si, xDrive 30i (2007-2010) Transmissions covered: Manual: ZF GS6-37BZ (6-speed) Automatic: GM A5S390R (5-speed) Automatic: GM GA6L45R (6-speed)

INNOVATIVE PRODUCT DESIGN AND INTELLIGENT MANUFACTURING SYSTEMS

SELECT PROCEEDINGS OF ICIPDIMS 2019

Springer Nature This book gathers selected research articles from the International Conference on Innovative Product Design and Intelligent Manufacturing System (ICIPDIMS 2019), held at the National Institute of Technology, Rourkela, India. The book discusses latest methods and advanced tools from different areas of design and manufacturing technology. The main topics covered include design methodologies, industry 4.0, smart manufacturing, and advances in robotics among others. The contents of this book are useful for academics as well as professionals working in industrial design, mechatronics, robotics, and automation.

DIESEL FUEL INJECTION

Society of Automotive Engineers Provides extensive information on state-of-the-art diesel fuel injection technology.

8 STEPS TO A PAIN-FREE BACK

NATURAL POSTURE SOLUTIONS FOR PAIN IN THE BACK, NECK, SHOULDER, HIP, KNEE, AND FOOT

Pendo Press With a fresh approach to a common problem, this self-help guide to overcoming back pain advocates adopting the natural, healthy posture of athletes, young children, and people from traditional societies the world over. Arguing that most of what our culture has taught us about posture is misguided—even unhealthy—and exploring the current epidemic of back pain, many of the commonly cited reasons for the degeneration of spinal discs and the stress on muscles that leads to back pain are examined and debunked. The historical and anthropological roots of poor posture in Western cultures are studied as is the absence of back pain complaints in the cultures of Africa, Asia, South America, and rural Europe. Eight detailed chapters provide illustrated step-by-step instructions for making simple, powerful changes to seated, standing, and sleeping positions. No special equipment or exercise is required, and effects are often immediate.

REOPERATIVE HAND SURGERY

Springer Science & Business Media Reoperative Hand Surgery is a major contribution to the literature, offering a wide range of reoperative options for challenging problems that face the reconstructive hand surgeon after failed primary surgery. Concise and discussing all of the more common issues that hand surgeons often face in performing revision surgery, this invaluable title is unique in that it looks specifically at the problem of what to do when the original index procedure did not go as planned. Topics covered include the hand, wrist, forearm and elbow, and several sections of the book discuss some of the psychological and social factors that also go into the decision process to reoperate or not. The chapters are tightly focused so that the important aspects to consider for reoperation can be quickly reviewed. There is also a component that discusses how to avoid other pitfalls and to minimize as well as manage any complications that may occur with reoperative procedures. Importantly, the book is replete with original art work to help describe and demonstrate how to perform many reoperative procedures. The artwork is simple and straightforward but yet detailed enough to convey the important steps and aspects for the surgical intervention it is outlining. Developed by renowned experts in the hand surgery field, Reoperative Hand Surgery is an indispensable, state-of-the-art reference, offering the busy hand and upper extremity surgeon easily accessible information relating to the evaluation, diagnosis, and possible surgical interventions for the diagnoses discussed.

CAPS LOCK: HOW CAPITALISM TOOK HOLD OF GRAPHIC DESIGN, AND HOW TO ESCAPE FROM IT

Capitalism could not exist without the coins, banknotes, documents, information graphics, interfaces, branding, and advertisements made by graphic designers. Even anti-consumerist strategies such as social design and speculative design are appropriated to serve economic growth. It seems design is locked in a cycle of exploitation and extraction, furthering inequality and environmental collapse. CAPS LOCK uses clear language and visual examples to show how graphic design and capitalism are inextricably linked. The book features designed objects and also examines how the study, work, and professional practice of designers support the market economy. Six radical design cooperatives are featured that resist capitalist thinking in their own way, hoping to inspire a more socially aware graphic design.

PRACTICAL SHIP DESIGN

Elsevier The ever-growing demand for commercial activities at sea has meant that ships are rapidly developing and that the rules governing their construction and operation are changing. Practical Ship Design records these changes, their outcomes and the reasoning behind them. It deals with every aspect of ship design and handles a wide range of both merchant ships and naval ships with authority. It

provides coverage of cargo ships and passenger ships, tugs, dredgers and other service craft. It also includes concept design, detail design, structural design, hydrodynamics design, the effect of regulations, the preparation of specifications and matters of costs and economics. Drawing on the author's extensive practical experience, *Practical Ship Design* is likely to interest everybody involved in the design, construction, repair and operation of ships. Students and the most experienced professionals will all benefit from the book's vast store of design data and its conclusions and recommendations.

JEEP TJ 1997-2006

HOW TO BUILD & MODIFY

CarTech Inc p.p1 {margin: 0.0px 0.0px 0.0px 0.0px; font: 12.0px Arial} The Jeep CJ, the icon that started it all, is the most popular off-road vehicle of all time. The look, style, and functionality of the CJ made it instantly popular and recognizable the world over, in no doubt partly due to its military presence in World War II. The Jeep Wrangler platform had the difficult task of replacing the extremely popular CJ platform. Outwardly similar in appearance, the YJ, TJ, and JK that followed all had significant design improvements, as can be expected when a platform has a life span of more than five decades. The YJ was the first Chrysler release after it purchased AMC in the mid-1980s, and it was aimed at taming the original CJ for more comfort and, arguably, a larger audience. The TJ that followed next was an evolutionary update, significant in that it featured a coil spring suspension and the celebrated return of round headlights, for a more traditional look compared to the square lights of the YJ. In *Jeep TJ 1997-2006: How to Build & Modify*, everything you need to know about how to modify your TJ for off-road use is covered. Beginning with why you should choose a TJ for modification, Jeep expert Michael Hanssen takes you through all the different systems needing modification, including engine modifications and swaps, transmission swaps, transfer case and driveshafts modifications, axles and traction systems, suspensions and lifts, wheels, tires, brakes, chassis protection, electrical, and winches. Included in every chapter are step-by-step modification instructions to help walk you through the process. If you want to build a TJ for serious off-road trail use, or you just want a capable and great-looking Jeep for around town, this book has you covered.

ANTISTATIC SPRAYS

Independently Published Antistatic sprays from several different manufacturers are examined. The sprays are examined for contamination potential (i.e., outgassing and nonvolatile residue), corrosiveness on an aluminum mirror surface, and electrostatic effectiveness. In addition, the chemical composition of the antistatic sprays is determined by infrared spectrophotometry, mass spectrometry, and ultraviolet spectrophotometry. The results show that 12 of the 17 antistatic sprays examined have a low contamination potential. Of these sprays, 7 are also noncorrosive to an aluminum surface. And of these, only 2 demonstrate good electrostatic properties with respect to reducing voltage accumulation; these sprays did not show a fast voltage dissipation rate however. The results indicate that antistatic sprays can be used on a limited basis where contamination potential, corrosiveness, and electrostatic effectiveness is not critical. Each application is different and proper evaluation of the situation is necessary. Information on some of the properties of some antistatic sprays is presented in this document to aid in the evaluation process. Ming, James E. Goddard Space Flight Center

DITTE: TOWARDS THE STARS

COST, EFFECTIVENESS, AND DEPLOYMENT OF FUEL ECONOMY TECHNOLOGIES FOR LIGHT-DUTY VEHICLES

National Academies Press The light-duty vehicle fleet is expected to undergo substantial technological changes over the next several decades. New powertrain designs, alternative fuels, advanced materials and significant changes to the vehicle body are being driven by increasingly stringent fuel economy and greenhouse gas emission standards. By the end of the next decade, cars and light-duty trucks will be more fuel efficient, weigh less, emit less air pollutants, have more safety features, and will be more expensive to purchase relative to current vehicles. Though the gasoline-powered spark ignition engine will continue to be the dominant powertrain configuration even through 2030, such vehicles will be equipped with advanced technologies, materials, electronics and controls, and aerodynamics. And by 2030, the deployment of alternative methods to propel and fuel vehicles and alternative modes of transportation, including autonomous vehicles, will be well underway. What are these new technologies - how will they work, and will some technologies be more effective than others? Written to inform The United States Department of Transportation's National Highway Traffic Safety Administration (NHTSA) and Environmental Protection Agency (EPA) Corporate Average Fuel Economy (CAFE) and greenhouse gas (GHG) emission standards, this new report from the National Research Council is a technical evaluation of costs, benefits, and implementation issues of fuel reduction technologies for next-generation light-duty vehicles. *Cost, Effectiveness, and Deployment of Fuel Economy Technologies for Light-Duty Vehicles* estimates the cost, potential efficiency improvements, and barriers to commercial deployment of technologies that might be employed from 2020 to 2030. This report describes these promising technologies and makes recommendations for their inclusion on the list of technologies applicable for the 2017-2025 CAFE standards.

AUTO REPAIR FOR DUMMIES

John Wiley & Sons *Auto Repair For Dummies, 2nd Edition (9781119543619)* was previously published as *Auto Repair For Dummies, 2nd Edition (9780764599026)*. While this version features a new *Dummies* cover and design, the content is the same as the prior release and should not be considered a new or updated product. The top-selling auto repair guide--400,000 copies sold--now extensively reorganized and updated Forty-eight percent of U.S. households perform at least some automobile maintenance on their own, with women now accounting for one third of this \$34 billion automotive do-it-yourself market. For new or would-be do-it-yourself mechanics, this illustrated how-to guide has long been a must and now it's even better. A complete reorganization now puts relevant repair and maintenance information directly after each automotive system overview, making it much easier to find hands-on fix-it instructions. Author Deanna Sclar has updated systems and repair information throughout, eliminating discussions of carburetors and adding coverage of hybrid and alternative fuel vehicles. She's also revised schedules for tune-ups and oil changes, included driving tips that can save on maintenance and repair costs, and added new advice on troubleshooting problems and determining when to call in a professional mechanic. For anyone who wants to save money on car repairs and maintenance, this book is the place to start. Deanna Sclar (Long Beach, CA), an acclaimed auto repair expert and consumer advocate, has contributed to the *Los Angeles Times* and has been interviewed on the *Today* show, *NBC Nightly News*, and other television programs.

PRACTICAL FORENSIC MICROSCOPY

A LABORATORY MANUAL

John Wiley & Sons *Forensic Microscopy: A Laboratory Manual* will provide the student with a practical overview and understanding of the various microscopes and microscopic techniques employed within the field of forensic science. Each laboratory experiment has been carefully designed to cover the variety of evidence disciplines within the forensic science field with carefully set out objectives, explanations of each topic and worksheets to help students compile and analyse their results. The emphasis is placed on the practical aspects of the analysis to enrich student understanding through hands on experience. The experiments move from basic through to specialised and have been developed to cover a variety of evidence disciplines within forensic science field. The emphasis is placed on techniques currently used by trace examiners. This unique, forensic focused, microscopy laboratory manual provides objectives for each topic covered with experiments designed to reinforce what has been learnt along with end of chapter questions, report requirements and numerous references for further reading. Impression evidence such as fingerprints, shoe tread patterns, tool marks and firearms will be analysed using simple stereomicroscopic techniques. Body fluids drug and trace evidence (e.g. paint glass hair fibre) will be covered by a variety of microscopes and specialized microscopic techniques.

RISK MANAGEMENT IN PORT OPERATIONS, LOGISTICS AND SUPPLY CHAIN SECURITY

CRC Press *Risk Management in Port Operations, Logistics and Supply Chain Security* is the first book to address security, risk and reliability issues in maritime, port and supply chain settings. In particular this title tackles operational challenges that port, shipping, international logistics and supply chain operators face today in view of the new security regulations and the requirements of increased visibility across the supply chain.

THE BMW CENTURY

THE ULTIMATE PERFORMANCE MACHINES

Motorbooks International *The BMW Century* profiles one hundred years of BMW car and motorcycle manufacturing a decade at a time with gorgeous photos and detailed text.

DIANA THATER

THE SYMPATHETIC IMAGINATION

This book offers a mid-career retrospective of the work of Diana Thater, one of the most important and innovative artists working today. For more than two decades, Diana Thater has been creating groundbreaking installations that build upon the basic visual language of film and video by integrating architecture, applied color, and artificial and natural light. Depicting a range of natural phenomena, her work is largely organized around an exploration of the subjectivity of animals. This lavishly illustrated overview shows how Thater has radically re-envisioned both the ways in which film and video are deployed in siterelated installations and the relationship between subject and object. Luminous images of eighteen projects such as *China*, *Abyss of Light*, *knots + surfaces*, and *gorillagorillagorilla* are

accompanied by quotes and fictional writings that have long served as Thater's touchstones. Also included are an interview with the artist and essays on a wide range of topics that Thater addresses in her work--from the history and politics of the Chernobyl disaster to beauty and Baroque architecture. This publication also gives readers exclusive access to a moving image supplement, featuring a film conceived and created by Thater in collaboration with production designer Patti Podesta, as well as an illustrated checklist with short video clips.

THE ARTIST'S MANUAL

THE DEFINITIVE ART SOURCEBOOK: MEDIA, MATERIALS, TOOLS, AND TECHNIQUES

Penguin For artists of all skill levels and in all media, a truly comprehensive bible of the knowledge they need to enjoy and further their craft. The one-stop ebook of everything you need to know to get the most out of your passion for art. If you're interested in creating any kind of art, this ebook has everything you need to become a more confident, creative artist--whatever your level of skill or experience. It's like having your very own studio assistant, providing the support you need to find the artist within you. Designed specifically for modern artists who like to take inspiration from and make connections between different art traditions and techniques, *The Artist's Manual* covers a huge range of methods, including traditional drawing and painting; ceramics, sculpture, and printmaking; and newer areas such as digital art and animation. Discover the tools, practices, and processes that will help unleash your creativity, from first principles to professional tips and tricks. Brush up on basic know-how such as choosing the right tool, mixing watercolors, preparing a canvas, or mastering image-manipulation software. Learn how to glaze a pot, screenprint in halftones, or use perspective to bring drawings to life. Or try something completely new: mosaic, fresco, linocut, digital collage, and much more. All the equipment, materials, and methods of the craft are fully explained and beautifully illustrated--everything you need to enjoy your art to the fullest and take your creativity to the next level.

CARBURETORS AND INTAKE MANIFOLDS

Cartech Incorporated Small mods and upgrades can result in large performance gains! Acclaimed technical writer David Vizard provides you with the latest technical updates to Carter, Holley, Predator, Weber, Dellorto, and Mikuni carburetors, plus calibration methods, analysis of different designs, mixture ratios and intake combinations.

EVOLUTION

Jones & Bartlett Publishers New edition of a basic introduction to prevailing knowledge and ideas about how, why, and where the world and its organisms changed throughout history. Strickberger (Museum of Vertebrate Zoology, U. of California) presents topics including the philosophical and historical background of evolutionary thought; cosmological and geological evolution and its impact on life; the origins of life on Earth; the development of molecular pathways, from genetic systems to organismic morphology and function; the evolutionary history of organisms, from microbes to animals; and the numerous molecular and populational concepts which explain the living Earth's dynamic evolution. A new chapter covers prokaryotic and eukaryotic development, interactions, and constraints. Annotation copyrighted by Book News, Inc., Portland, OR

MACHINE LEARNING AND BIG DATA WITH KDB+/Q

John Wiley & Sons Upgrade your programming language to more effectively handle high-frequency data. *Machine Learning and Big Data with KDB+/Q* offers quants, programmers and algorithmic traders a practical entry into the powerful but non-intuitive kdb+ database and q programming language. Ideally designed to handle the speed and volume of high-frequency financial data at sell- and buy-side institutions, these tools have become the de facto standard; this book provides the foundational knowledge practitioners need to work effectively with this rapidly-evolving approach to analytical trading. The discussion follows the natural progression of working strategy development to allow hands-on learning in a familiar sphere, illustrating the contrast of efficiency and capability between the q language and other programming approaches. Rather than an all-encompassing "bible"-type reference, this book is designed with a focus on real-world practicality to help you quickly get up to speed and become productive with the language. Understand why kdb+/q is the ideal solution for high-frequency data. Delve into "meat" of q programming to solve practical economic problems. Perform everyday operations including basic regressions, cointegration, volatility estimation, modelling and more. Learn advanced techniques from market impact and microstructure analyses to machine learning techniques including neural networks. The kdb+ database and its underlying programming language q offer unprecedented speed and capability. As trading algorithms and financial models grow ever more complex against the markets they seek to predict, they encompass an ever-larger swath of data - more variables, more metrics, more responsiveness and altogether more "moving parts." Traditional programming languages are increasingly failing to accommodate the growing speed and volume of data, and lack the necessary flexibility that cutting-edge financial modelling demands. *Machine Learning and Big Data with KDB+/Q* opens up the technology and flattens the learning curve to help you quickly adopt a more effective set of tools.

WITCHES' BROOM DISEASE OF CACAO

C A B International *paper on witche's broom disease of cacao*

HOLDEN COMMODORE AUTOMOTIVE REPAIR MANUAL

Haynes Publishing *Series VT, VX, VY & VZ V6 engines: 3.6L & 3.8L V8 engines: 5.0L, 5.7L & 6.0L*

SMARTER FASTER BETTER

THE SECRETS OF BEING PRODUCTIVE IN LIFE AND BUSINESS

Doubleday Canada *From the bestselling author of The Power of Habit comes a fascinating new book exploring the science of productivity, and why, in today's world, managing how you think--rather than what you think about--can transform your life. Productivity, recent studies suggest, isn't always about driving ourselves harder, working faster and pushing ourselves toward greater "efficiency." Rather, real productivity relies on managing how we think, identify goals, construct teams and make decisions. The most productive people, companies and organizations don't merely act differently--they envision the world and their choices in profoundly different ways. This book explores eight concepts that are critical to increasing productivity. It takes you into the cockpit of two passenger jets (one crashes) to understand the importance of constructing mental models--telling yourself stories about yourself in order to subconsciously focus on what really matters. It introduces us to basic training in the U.S. Marine Corps, where the internal locus of control is exploited to increase self-motivation. It chronicles the outbreak of Israel's Yom Kippur War to examine cognitive closure--a dangerous trap that stems from our natural desire to feel productive and check every last thing off our to-do lists, causing us to miss obvious risks and bigger opportunities. It uses a high-achieving public school in Cincinnati to illuminate the concept of disfluency, which holds that we learn faster and more deeply when we make the data harder to absorb. It shows how the principles of lean manufacturing--in which decision-making power is pushed to the lowest levels of the hierarchy--allowed the FBI to produce a software system that had eluded them for years. It explores how Disney made Frozen into a record success by encouraging tension among animation teams--a version of what biologists refer to as the Intermediate Disturbance Hypothesis, which posits that nature is most creative when crises occur. With the combination of relentless curiosity, deep reporting and rich storytelling that defined The Power of Habit, Charles Duhigg takes readers from neurology laboratories to Google's brainstorming sessions and illustrates how we can all increase productivity in our lives.*

BMW 5 SERIES (E39) SERVICE MANUAL 1997-2002, VOLUME 2: 525I, 528I, 530I, 540I, SEDAN, SPORT WAGON

Bentley Publishers *The ultimate service manuals! Bentley manuals are the only comprehensive, single source of service information and specifications available for BMW cars. These manuals provide the highest level of clarity and completeness for all service and repair procedures. Enthusiasts, do-it-yourselfers, and professional technicians will appreciate the quality of photographs and illustrations, theory of operation, and accurate step-by-step instructions. If you are looking for better understanding of your BMW, look no further than Bentley. Even if you do not repair your own vehicle, knowledge of its internal workings will help you when discussing repairs and maintenance with your professional automotive technician. This Bentley Manual is the only comprehensive, single source of service information and specifications available specifically for BMW 5 Series from 1997 to 2002. The aim throughout this manual has been simplicity, clarity and completeness, with practical explanations, step-by-step procedures and accurate specifications. Whether you are a professional or a do-it-yourself BMW owner, this manual will help you understand, care for and repair your E39 5 Series. Though the do-it-yourself BMW owner will find this manual indispensable as a source of detailed maintenance and repair information, the BMW owner who has no intention of working on his or her car will find that reading and owning this manual will make it possible to discuss repairs more intelligently with a professional technician.*

VAUXHALL CHEVETTE OWNERS WORKSHOP MANUAL

BASIC PERSONAL COUNSELLING

A TRAINING MANUAL FOR COUNSELLORS

Free Assn Books *This introduction to personal counselling is a comprehensive, easy to read volume for professional and volunteer counsellors and those who train them. This book is an excellent complement to practical training courses in counselling, social work, psychology, welfare or nursing - in fact it is invaluable for any community worker wishing to develop practical interpersonal skills.*

TEACHING READING COMPREHENSION STRATEGIES

A PRACTICAL CLASSROOM GUIDE
