

NEW

Road Vehicle Dynamics and Problems and Solutions: Set

By Rao V. Dukkipati, Jian Pang, Mohamad S. Qatu, Gang Sheng Chen, Zuo Shuguang

Designed for the experienced practitioner, this new book aims to help reconstruction specialists with problems they may encounter in everyday analysis. The authors demonstrate how to take the physics behind accidents out of the idealized world and into practical situations. Real-world examples are used to illustrate the methods, clarify important concepts, and provide practical applications to those working in the field.

Thoroughly revised, this new edition builds on the original exploration of accident analysis, reconstruction, and vehicle design. Enhanced with new material and improved chapters on key topics, an expanded glossary of automotive terms, and a bibliography at the end of the book providing further reading suggestions make this an essential resource reference for engineers involved in litigation, forensic investigation, automotive safety, and crash reconstruction. Police officers, attorneys, and insurance professionals will also find the book to be a definitive resource in reconstructing accident scenes.

New Topics:

- Event data recorders (EDRs)
- Frictional drag coefficients for sliding tires
- Railroad grade-crossing collisions
- New practical applications of mathematical methods

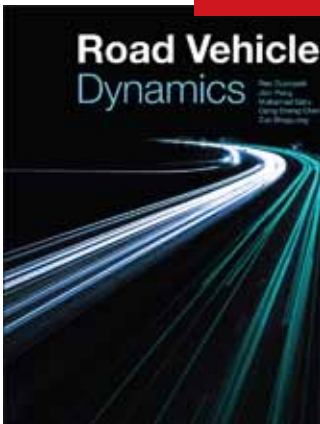
Enhanced Features:

- Expanded glossary of automotive terms
- Bibliography with further reading suggestions
- Improved chapters on tire forces, rollover accidents, crush energy, pedestrian collisions, vehicle dynamic simulation

978-0-7680-2113-4, 1426 pp., 2010.

\$149.95 List Price

Product Code R-366.SET



NEW

Road Vehicle Dynamics Problems and Solutions

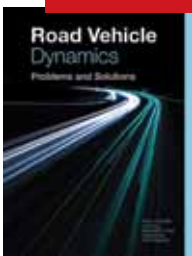
By Rao V. Dukkipati, Jian Pang, Mohamad S. Qatu, Gang Sheng Chen, Zuo Shuguang

This workbook, a companion to the book *Road Vehicle Dynamics*, will enable students and professionals from a variety of disciplines to engage in problem-solving exercises based on the material covered in each chapter of that book.

978-0-7680-2051-9, 552 pp., Spiral Bound 2010.

\$69.95 List Price

Product Code R-386



ebook available



Best Seller

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We Were The Ramchargers Inside Drag Racing's Legendary Team

By David Rockwell

This book takes you behind the scenes with the group of Chrysler engineers who, from the 1950s through the 1970s, became one of the most successful and influential drag racing teams of all time.

978-0-7680-1932-2, 302 pp., Hardbound 2009.

\$39.95 List Price

Product Code R-384

Available as audio book

Road Vehicle Dynamics

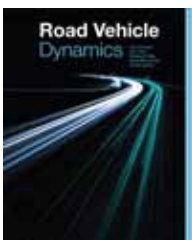
By Rao V. Dukkipati, Jian Pang, Mohamad S. Qatu, Gang Sheng, Zuo Shuguang

This book provides a detailed and well-rounded overview of the dynamics of road vehicle systems, with an emphasis on safety considerations. Readers will come to understand how physical laws, human factor considerations, and design choices come together.

978-0-7680-1643-7, 874 pp., Hardbound 2008.

\$99.95 List Price

Product Code R-366



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Analysis Techniques for Racecar Data Acquisition

By Jorge Segers

Data acquisition has become an invaluable tool for establishing racecar - and car/driver - performance. This book covers data acquisition technology and helps readers use this data to gain a key advantage on the racetrack.

978-0-7680-1655-0, 198 pp., Hardbound 2008.

\$79.95 List Price

Product Code R-367

Vehicles and Performance



Shock Absorber Handbook 2nd Edition

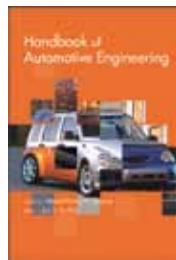
By Dr. John C. Dixon

This fully updated second edition remains the only English-language book devoted to the subject. Comprehensive coverage of design, testing, installation, and use of the damper has led to the book's acceptance as the authoritative text on the automotive applications of shock absorbers.

978-0-7680-1843-1, 432 pp., Hardbound 2007.

\$109.95 List Price

Product Code R-381



Handbook of Automotive Engineering

By Ulrich W. Seiffert,
Hans Hermann Braess

One of the most comprehensive encyclopedias of vehicle systems and design, this book features 1600 pages packed with information on automotive design and applications from over 40 subject matter experts.

978-0-7680-0783-1, 638 pp., Hardbound 2005.

\$139.95 List Price

Product Code R-312



Lost Fighters: A History of U.S. Jet Fighter Programs That Didn't Make It

By William Holder

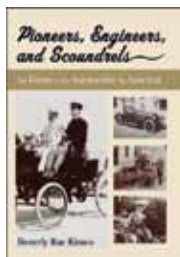
Covering fighters that did not reach beyond an artist's concept stage, to those that were cancelled after an evaluation of flight capabilities, to others that were cast aside after losing a fly-off competition, this book makes use of previously unpublished, primary-source material. It provides a coherent picture of U.S. jet fighter development and evolution.

978-0-7680-1712-0, 216 pp., Paperbound 2006.

\$49.95 List Price

Product Code R-374

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Pioneers, Engineers, and Scoundrels The Dawn of the Automobile in America

By Beverly Rae Kimes

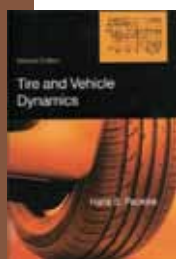
While some names - Ford, Dodge, Buick, and more - are easily recognized, this triple award winning book by Bev Kimes also introduces snapshots of lesser known, but vitally important actors in this dramatic saga.

978-0-7680-1431-0, 558 pp., Hardbound 2004.

\$39.95 List Price

Product Code R-358

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Tire and Vehicle Dynamics 2nd Edition

By Hans B. Pacejka

This book provides a complete reference on the mechanical behavior of pneumatic tires and their impact on vehicle performance.

978-0-7680-1702-1, 642 pp., Paperbound 2005.

\$79.95 List Price

Product Code R-372



The Multibody Systems Approach to Vehicle Dynamics

By M. V. Blundell, Damian Harty

The multibody systems analysis is the established basis for the design and development of vehicle dynamic behavior.

978-0-7680-1496-9, 540 pp., Paperbound 2004.

\$69.99 List Price

Product Code R-273

Vehicular Engine Design

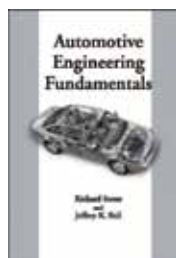
By Kevin L. Hoag

This book covers each major engine component and subsystem in a step-by-step process and is intended for student engineers, automotive industry practitioners and engineers working in government agencies responsible for engine regulation.

978-0-7680-1661-1, 190 pp., Hardbound 2005.

\$79.99 List Price

Product Code R-369



Automotive Engineering Fundamentals

By Richard Stone, Jeffrey K. Ball

The authors provide an overview, which is designed to give the student of automotive engineering a basic understanding of the principles involved with designing a vehicle.

978-0-7680-0987-3, 612 pp., Hardbound 2004.

\$99.95 List Price

Product Code R-199

ebook
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Vehicles and Performance



Car Suspension and Handling 4th Edition

By Geoffrey Howard, Donald Bastow,
John Peter Whitehead

This book focuses on the suspension and handling of cars, or automobiles, as opposed to those characteristics of other types of road vehicles, while always recognizing that there are differences in suspension requirements for different classes of vehicles, and in various markets of the world for a given vehicle.

978-0-7680-0872-2, 474 pp., Hardbound 2004.

\$59.99 List Price

Product Code R-318



Race Car Vehicle Dynamics Book and Problems, Answers and Experiments Set

By William F. Milliken,
Douglas L. Milliken, L. Daniel Metz,
Edward M. Kasprzak

Written for engineers and race car enthusiasts, this set includes: Race Car Vehicle Dynamics Book and Race Car Vehicle Dynamics: Problems, Answers and Experiments. Purchase both the book and the workbook as a set and save!

978-0-7680-0121-8, 990 pp., Paperbound Book and CD-ROM 2003.

\$149.95 List Price

Product Code R-146.SET

Best Seller



Hands-On Race Car Engineer

By John H. Glimmerveen

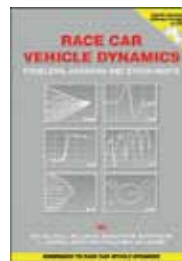
This book looks at every part of the process required to make a car better than its competitors. It will help racing professionals and enthusiasts learn to recognize why they won, or lost a race - key information to continually improving and reaching the winner's circle.

978-0-7680-0898-2, 264 pp., Paperbound 2004.

\$69.95 List Price

Product Code R-323

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Race Car Vehicle Dynamics Problems, Answers and Experiments

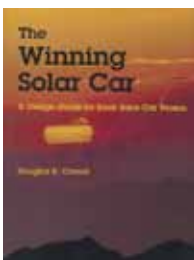
By Douglas L. Milliken,
Edward M. Kasprzak, L. Daniel Metz,
William F. Milliken

This book is a supplement to the original classic book, *Race Car Vehicle Dynamics*. It features detailed worked solutions to problems for every chapter in the original book, plus many new problems. Also included: The Race Car Vehicle Dynamics Program Suite (for Windows) with accompanying exercises.

978-0-7680-1127-2, 294 pp., Spiral Bound 2003.

\$69.95 List Price

Product Code R-280



The Winning Solar Car A Design Guide for Solar Race Car Teams

By Doug Carroll

A successful solar car team must have a good car, good drivers, good weather information, good strategy, and a well-trained support team. This book provides an introduction to all aspects of designing, manufacturing, and racing solar cars.

978-0-7680-1131-9, 392 pp., Paperbound 2003.

\$49.95 List Price

Product Code R-343

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Nonlinear and Hybrid Systems in Automotive Control

By Rolf Johansson, Anders Rantzer

With contributions from leading scientists in the field, this book presents an overview of research in this rapidly-expanding area. New approaches to solving theoretical problems, as well as numerous systems and control research issues, are covered.

978-0-7680-1137-1, 464 pp., Hardbound 2003.

\$89.99 List Price

Product Code R-348



Hell-Rider to King of the Air Glenn Curtiss's Life of Innovation

By Kirk House

There's no question that Glenn Curtiss was one of the most significant figures in the early development of motorcycles, aviation, and engine development. This book will take you on a journey through both his life and his innovative technological developments.

978-0-7680-0802-9, 288 pp., Hardbound 2003.

\$39.95 List Price

Product Code R-314

ebook
available



The Racing and High- Performance Tire Using the Tires to Tune for Grip and Balance

By Paul W. Haney

Based on 15 years of tire research, this book presents clear, non-academic explanations of how and why tires really work.

978-0-7680-1241-5, 286 pp., Hardbound 2003.

\$59.95 List Price

Product Code R-351

Best Seller

Vehicles and Performance



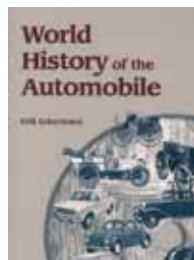
Controlled Bombs and Guided Missiles of the World War II and Cold War Eras

By *Vernon R. Schmitt*

This book examines the progress of guided missiles in the US from the beginning of World War II into the 1970's, including several government reports that are now declassified.

978-0-7680-0913-2, 138 pp., Paperbound 2002.

\$5.00 List Price
Product Code R-326



World History of the Automobile

By *Erik Eckermann*

This book details the development of the automobile from its early beginnings to the present day. With emphasis on the European historical perspective, particularly the pioneering developments which occurred in Germany.

978-0-7680-0800-5, 382 pp., Paperbound 2001.

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available

\$49.95 List Price
Product Code R-272



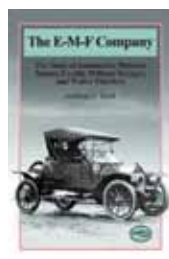
Automotive Vehicle Safety

By *Barbara J. Peters, George A. Peters*

This book is an internationally oriented discussion on how to evaluate products, processes, services and systems. The book details reconstruction techniques and methods of crash testing, and looks at future vehicle safety and universal design.

978-0-7680-1096-1, 210 pp., Hardbound 2002.

\$50.00 List Price
Product Code R-341



The E-M-F Company The Story of Automotive Pioneers Barney Everitt, William Metzger, and Walter Flanders

By *Anthony J. Yanik*

This book tells the remarkable story of these three automotive giants and the impact they had on the American car industry. Everitt was instrumental in forming the extensive body building industry that characterized Detroit prior to World War II.

978-0-7680-0716-9, 258 pp., Paperbound 2001.

ebook
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\$39.95 List Price
Product Code R-286



Vehicle Crash Mechanics

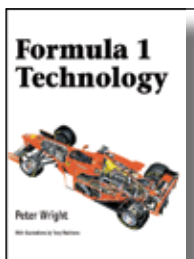
By *Matthew Huang*

This book provides the fundamental of engineering mechanics and applies these fundamentals to the study of vehicle crashworthiness. A number of interesting and informative ancillary topics related to vehicle crashes are presented that extend beyond purely fundamental theory.

Co-published by CRC Press.

978-0-7680-0906-4, 284 pp., Hardbound 2002.

\$19.99 List Price
Product Code R-284



Formula 1 Technology

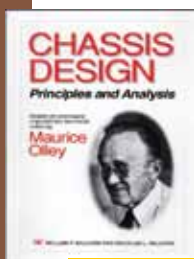
By *Peter Wright, Tony Matthews*

This book offers an in-depth look at the engineering, design and production of Formula 1 cars. It focuses on the most technically challenging years, showing how the technology and engineering have evolved from mechanical systems, most of which one could hold in the hand, look at closely, and see how they should work, to systems dominated by silicon wafers so small one can hardly see them.

978-0-7680-0234-8, 454 pp., Hardbound 2001.

ebook
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\$49.95 List Price
Product Code R-230



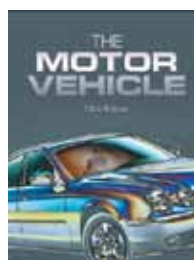
Chassis Design Principles and Analysis

By *William F. Milliken, Douglas L. Milliken*

This book based on Olley's technical writings, and is the first complete presentation of his life and work. This book provides insight into the development of chassis technology and its practical application by a master.

978-0-7680-0826-5, 676 pp., Hardbound 2002.

\$79.95 List Price
Product Code R-206



The Motor Vehicle 13th Edition

This edition features three chapters devoted to electric propulsion, static and dynamic safety, and wheel and tires. The book also contains expanded information on: the compression ignition engine; automatic, semi-automatic and continuously variable transmissions; braking and traction; and steering.

978-0-7680-0639-1, 1224 pp., Hardbound 2001.

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Best Seller

Vehicles and Performance

Buy the Set and Save!

Pioneers of the U.S. Automobile Industry (Set of 4 volumes)

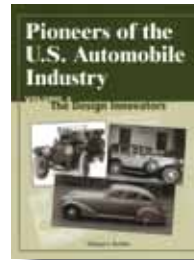
By Michael J. Kollins

Pioneers of the U.S. Automobile Industry uses four separate volumes to explore the essential components that helped build the American automobile industry - the people, the companies and the designs.

978-0-7680-0904-0, 1252 pp., Hardbound 2002.

\$129.95 List Price

Product Code R-251.SET



Pioneers of the U.S. Automobile Industry, Vol. IV The Design Innovators

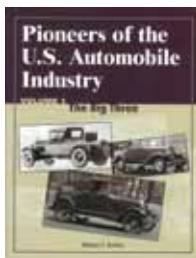
By Michael J. Kollins

This volume uses nearly 270 photos to go behind the scenes to explore the people who created car designs that have become famous with the American car industry.

978-0-7680-0903-3, 294 pp., Hardbound 2002.

\$39.95 List Price

Product Code R-251/4



Pioneers of the U.S. Automobile Industry, Vol. I The Big Three

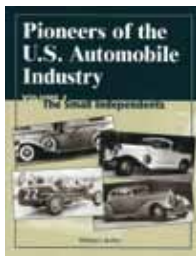
By Michael J. Kollins

This volume tells the fascinating story of the Big Three in American automotive history - Ford, General Motors, and Chrysler - and the people who made those companies grow.

978-0-7680-0900-2, 256 pp., Hardbound 2002.

\$39.95 List Price

Product Code R-251/1



Pioneers of the U.S. Automobile Industry, Vol. II The Small Independents

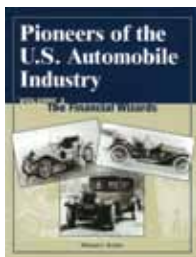
By Michael J. Kollins

This volume uses more than 450 photos to help weave the story of the risk-takers who helped shape the automotive industry from the very beginning.

978-0-7680-0901-9, 488 pp., Hardbound 2002.

\$39.95 List Price

Product Code R-251/2



Pioneers of the U.S. Automobile Industry, Vol. III The Financial Wizards

By Michael J. Kollins

This volume offers a look at the financial minds who drove the early automotive industry. These financial wizards are portrayed through unique stories and more than 180 photos.

978-0-7680-0902-6, 214 pp., Hardbound 2002.

\$39.95 List Price

Product Code R-251/3

Buy the Set and Save!

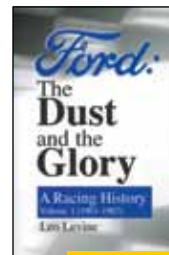
Ford: The Dust and The Glory A Racing History (2 volume set)

By Leo Levine

978-0-7680-0908-8, 1108 pp., 66 Chapters, Hardbound 2001.

\$69.95 List Price

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Ford: Dust and the Glory A Racing History (Vol. 1: 1901-1967)

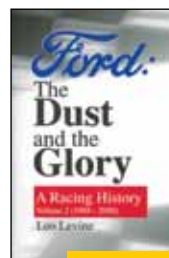
By Leo Levine

This book features the stories - and numerous photographs - of the great races, the great cars, and the legendary personalities associated with Ford and its great competitors of the era. In addition to the dramatic moments of glory and tragedy, Levine chronicles the day-to-day grind behind those moments.

978-0-7680-0663-6, 676 pp., Hardbound 2001.

\$39.95 List Price

Product Code R-292



Best Seller

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Ford: The Dust and The Glory A Racing History (Vol. 2: 1968-2000)

By Leo Levine

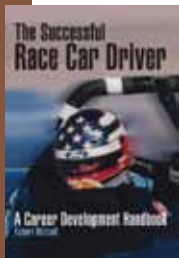
This second volume of Leo Levine's history of Ford's 100-year involvement in auto racing covers the 33-year span from 1968 through 2000, the years in which the sport grew from a regional attraction to a national television phenomenon.

978-0-7680-0814-2, 432 pp., Hardbound 2001.

\$39.95 List Price

Product Code R-293

Vehicles and Performance



The Successful Race Car Driver A Career Development Handbook

By Robert Metcalf

From driving to car preparation to dealing with sponsors, this book details the lessons that need to be learned to succeed in today's racing environment. 978-0-7680-0497-7, 297 pp., Paperbound 2000.

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\$29.95 List Price
Product Code R-254



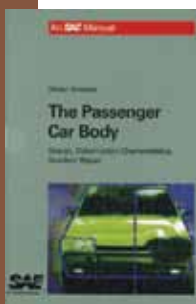
Chevrolet - Racing? Fourteen Years of Raucous Silence! 1957-1970

By Paul Van Valkenburgh

This book tells how the company began actively developing, sponsoring, and racing its cars - until the 1957 Automobile Manufacturers Association's ban on manufacturer involvement in auto racing. 978-0-7680-0529-5, 330 pp., Hardbound 2000.

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\$49.95 List Price
Product Code R-271



The Passenger Car Body Design, Deformation Behavior, Accident Repairs

By Dieter Anselm

This book focuses on body design in terms of deformation and repair behavior and on all aspects of the repair field in general. Special emphasis is placed on the latest findings from research and technology as well as on findings gathered from countless accident and crash tests.

978-0-7680-0708-4, 316 pp., Hardbound 2000.

\$5.00 List Price
Product Code R-307



The First Century of the Detroit Auto Show

By Robert Szudarek

This book looks at the first century of the Detroit Auto Show, the largest auto show in the world for many years. From the first show at the Detroit Light Guard Armory in 1899 to the January 1999 show at Cobo Hall, this fascinating book details the show's evolution over 100 years, and how it became the industry's most prominent event.

978-0-7680-0502-8, 284 pp., Paperbound 2000.

\$19.95 List Price
Product Code R-281



The World's Most Significant and Magnificent Aircraft Evolution of the Modern Airplane

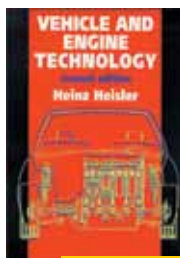
By David B. Thurston

Beginning with the earliest pre-flight designs, this title provides exciting details of each plane's engineering, design, and flight accomplishments. Illustrated with pre-production diagrams and historical photos, the book is divided into seven parts representing the major stages of airplane development in a chronological order.

978-0-7680-0537-0, 282 pp., Paperbound 2000.

\$49.95 List Price
Product Code R-285

ebook
available



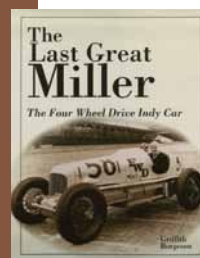
Vehicle and Engine Technology 2nd Edition

By Heinz Heisler

A comprehensive description of the body of four-wheeled vehicles, engine components, and how these elements work together. This book provides a unified, precise, and clear description and explanation of the fundamentals of all essential components of the motor vehicle.

978-0-7680-0237-9, 798 pp., Paperbound 1999.

\$59.99 List Price
Product Code R-233



The Last Great Miller The Four Wheel Drive Indy Car

By Griffith Borgeson

Utilizing an extraordinary historical archive, this book contains more than one hundred photos, as well as the text of over one hundred original letters (many written by Miller himself) about the car's development.

978-0-7680-0500-4, 346 pp., Hardbound 2000.

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Product Code R-244

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Design and Simulation of Four-Stroke Engines

By Gordon P. Blair

This book provides design assistance with the actual mechanical design of an engine in which the gas dynamics, fluid mechanics, thermodynamics, and combustion have been optimized so as to provide the required performance characteristics such as power, torque, fuel consumption, or noise emission.

978-0-7680-0440-3, 840 pp., Hardbound 1999.

\$99.95 List Price
Product Code R-186

Best Seller
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available

Vehicles and Performance



Brake Design and Safety 2nd Edition

By Rudolf Limpert

This book was written to help engineers to design safer brakes that can be operated and maintained easily. All the necessary analytical tools to study and determine the involvement of brakes in accident causation are included as well as all essential concepts, guidelines, and design checks.

ISBN: 978-1-56091-915-5, 538 pp., Paperbound 1999.

\$89.95 List Price
Product Code R-198

ebook
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Tires, Suspension and Handling 2nd Edition

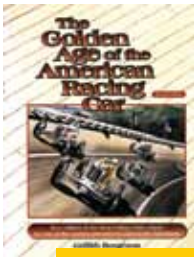
By John C. Dixon

This book provides detailed coverage of the theory and practice of vehicle cornering and handling, making it an excellent resource for vehicle designers and engineering students who want to better understand and analyze the numerous factors affecting vehicle handling.

978-1-56091-831-8, 636 pp., Paperbound 1996.

\$69.95 List Price
Product Code R-168

Best Seller
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The Golden Age of the American Racing Car

By Griffith Borgeson

A best seller and winner of the Antique Automobile Club of America's prestigious Thomas McKean Award. This book emphasizes the human side of racing history, offering insight into the men who shaped the golden age.

978-0-7680-0023-8, 367 pp., Hardbound 1998.

\$39.95 List Price
Product Code R-196

Best Seller
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Dictionary of Automotive Engineering Second Edition

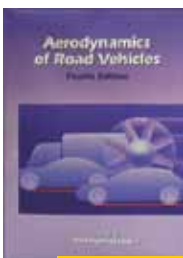
By Don Goodsell

This second edition provides complete coverage of over 3,000 terms and over 100 detailed drawings currently used in automotive engineering worldwide.

978-1-56091-683-3, 280 pp., Hardbound 1995.

\$19.99 List Price
Product Code R-159

Best Seller



Aerodynamics of Road Vehicles From Fluid Mechanics to Vehicle Engineering

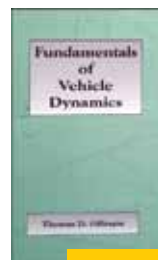
By Wolf-Heinrich Hucho

This comprehensive book discusses the aerodynamics of passenger cars, commercial vehicles, sports and race cars, and motorcycles, along with related fields that are influenced by aerodynamics.

978-0-7680-0029-0, 938 pp., Hardbound 1998.

\$99.95 List Price
Product Code R-177

Best Seller



Fundamentals of Vehicle Dynamics

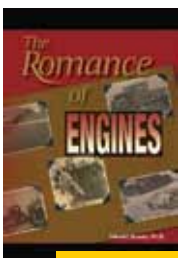
By Thomas D. Gillespie

This book provides a foundation of engineering principles and analytical methods to explain automotive vehicle performance. This book introduces the basic mechanics governing vehicle performance and familiarizes the reader with analytical methods and terminology.

978-1-56091-199-9, 519 pp., Hardbound 1992.

\$79.95 List Price
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The Romance of Engines

By Takashi Suzuki

This book examines the development of the engine from an historical perspective. Originally published in Japanese, this English translation offers readers insight into lessons learned throughout the engine's history.

978-1-56091-911-7, 488 pp., Hardbound 1997.

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Automobile Design Twelve Great Designers and Their Work

This book takes an in-depth look at the lives, personalities, and technical achievements of 12 preeminent engineers who made significant and lasting contributions to the design and development of the automobile.

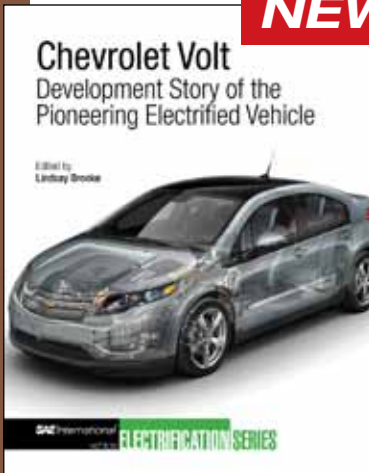
978-1-56091-210-1, 411 pp., Paperbound 1992.

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Vehicles and Performance

NEW



Chevrolet Volt Development Story of the Pioneering Electrified Vehicle

By Lindsay Brooke

This compendium presents the most complete design and engineering story available anywhere about this groundbreaking new vehicle. It also introduces you to the engineering team and how they made the world's first production extended-range electric vehicle a reality.

Combining articles from SAE International's *Vehicle Electrification* and *Automotive Engineering International* magazines, new SAE technical papers, and all-new content, this full-color book is the only one of its kind that lifts the veil on how the GM team and key supplier partners met the difficult engineering challenges faced in developing the Volt.

Topics include the Volt's systems, components, and model-based design; a behind-the-wheel look at a Volt prototype; and how the Volt's engineering team used OnStar to collect test drive data from preproduction Volt vehicles. There is also an interview with GM's Micky Bly in which the executive explains how the Volt program enabled GM to take new approaches to vehicle electrical architectures.

978-0-7680-4765-3, 200 pp., Hardbound 2011.

\$119.95 List Price

Product Code PT-149



Best Seller

Race Car Vehicle Dynamics Book and Problems, Answers and Experiments Set

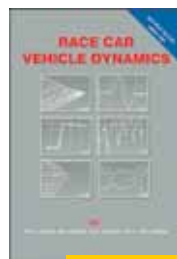
*By William F. Milliken,
Douglas L. Milliken, L. Daniel Metz,
Edward M. Kasprzak*

Written for engineers and race car enthusiasts, this set includes: *Race Car Vehicle Dynamics Book* and *Race Car Vehicle Dynamics: Problems, Answers and Experiments*. Purchase both the book and the workbook as a set and save!

978-0-7680-0121-8, 990 pp., Paperbound Book and CD-ROM 2003.

\$149.95 List Price

Product Code R-146.SET



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Race Car Vehicle Dynamics

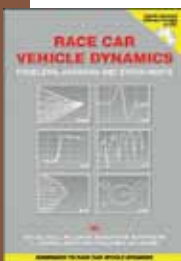
*By William F. Milliken,
Douglas L. Milliken*

Truly comprehensive in its coverage of the fundamental concepts of vehicle dynamics and their application in a racing environment, this book has become the definitive reference on this topic. Although the book's primary focus is the race car, the engineering fundamentals it details are also applicable to passenger car design and engineering.

978-1-56091-526-3, 918 pp., Hardbound 1994.

\$99.95 List Price

Product Code R-146



Race Car Vehicle Dynamics Problems, Answers and Experiments

*By Douglas L. Milliken,
Edward M. Kasprzak,
L. Daniel Metz, William F. Milliken*

This book is a supplement to the original classic and it features detailed worked solutions to problems for every chapter in the original book, plus many new problems. Also included: The Race Car Vehicle Dynamics Program Suite (for Windows) with accompanying exercises.

978-0-7680-1127-2, 294 pp., Spiral Bound 2003.

\$69.95 List Price

Product Code R-280



The Chevrolet Corvette New Vehicle Engineering and Technical History

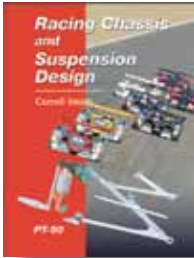
By Daniel J. Holt

This collection chronicles the development of America's favorite sports car by the designers and engineers who made it happen. These 30 papers cover more than 50 years and six generations of the engineering, styling, and research and development of the Chevrolet Corvette.

978-0-7680-1501-0, 402 pp., Paperbound 2005.

\$19.99 List Price

Product Code PT-118



Racing Chassis and Suspension Design

By Carroll Smith

Hand-selected by racing engineer legend Carroll Smith, the 28 SAE Technical Papers in this book focus on the chassis and suspension design of pure racing cars.

978-0-7680-1120-3, 348 pp., Paperbound 2004.

\$99.95 List Price

Product Code PT-90



Air Bag Development and Performance

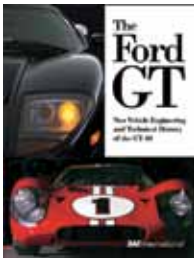
By Richard W. Kent

This book begins with five chapters - one each from Editor Richard Kent and the collection's four Associate Editors - offering the authors' unique perspectives on the history, development, or performance of these important safety devices.

978-0-7680-1119-7, 870 pp., Hardbound 2003.

\$49.99 List Price

Product Code PT-88



The Ford GT New Vehicle Engineering and Technical History of the GT-40

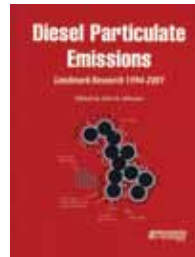
By

This book features 7 original SAE papers from the 1960's, providing wonderful insight into the development of the original Ford GT, plus 11 SAE papers about the new GT, explaining how Ford engineers met modern-day requirements while staying true to the spirit of the original.

978-0-7680-1421-1, 250 pp., Paperbound 2004.

\$89.95 List Price

Product Code PT-113



Diesel Particulate Emissions Landmark Research 1994-2001

By John H. Johnson

This book contains the latest research and development findings that will help guide engineers to achieve low particulate emissions from future engines.

978-0-7680-0998-9, 550 pp., Hardbound 2002.

\$5.00 List Price

Product Code PT-86



Sensors and Transducers 2nd Edition

By Ronald K. Jurgen

The editor offers an informative introduction clearly explaining the overall format and layout of the book that groups 105 papers by the parameters they measure, rather than their corresponding applications.

978-0-7680-1299-6, 736 pp., Hardbound 2003.

\$39.99 List Price

Product Code PT-105



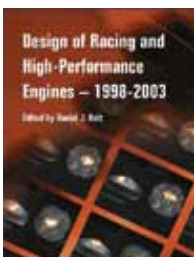
Design of Racing and High Performance Engines

This book is an excellent primer for the novice and a great resource for the expert. The book presents 17 technical papers, in a clear and easy-to-understand manner, the basic principles involved in the design of high performance engines.

978-1-56091-601-7, 272 pp., Paperbound 1995.

\$69.95 List Price

Product Code PT-53



Design of Racing and High-Performance Engines 1998-2003

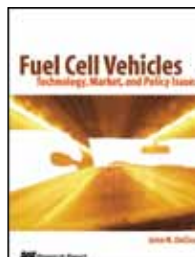
By Daniel J. Holt

The 53 technical papers in this book show the improvements and design techniques that researchers have applied to performance and racing engines. They provide an insight into the top improvements needed to advance engine technology.

978-0-7680-1298-9, 300 pp., Paperbound 2003.

\$99.95 List Price

Product Code PT-100



Fuel Cell Vehicles Technological, Market, and Policy Issues

By John M. Decicco

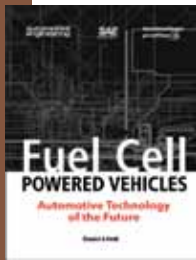
This comprehensive report details the issues involving the use of fuel cells in motor vehicles, as well as the many challenges that lie ahead for fuel cell technology.

978-0-7680-0873-9, 186 pp., Paperbound 2001.

\$89.99 List Price

Product Code RR-010

Vehicles and Performance



Fuel Cell Powered Vehicles Automotive Technology of the Future

By Daniel J. Holt

This comprehensive report closely examines automakers' multibillion-dollar development of fuel cell technology and its potential to revolutionize the automotive industry.

978-0-7680-0836-4, 88 pp., Paperbound 2001.

\$199.99 List Price
Product Code RR-013



Honda R&D Technical Review: April 2010

The 27 papers included in this volume chronicle the best of Honda's documented technical advancements from October 2009 through April 2010 and cover automotive, motorcycle, power products, and other fundamental technologies. Full-color diagrams complement the text.

978-0-7680-5730-0, 207 pp., 2010.

\$100.00 List Price
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SAE Fatigue Design Handbook

This book covers current technologies and procedures on all of the major elements of fatigue design. Intended as a handbook for industrial use, this book describes the major elements of the fatigue design process and how those elements must be tied together in a comprehensive product evaluation.

978-1-56091-917-9, 496 pp., Paperbound 1997.

\$99.99 List Price
Product Code AE-22



Honda R&D Technical Review: October 2009

The 25 papers included in this e-book chronicle the best of Honda's documented technical advancements from April through October 2009 and cover automotive, motorcycle, power products, and other fundamental technologies. Full-color diagrams complement the text.

978-0-7680-5728-7, 181 pp., 2009.

\$100.00 List Price
Product Code B-HON-001

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SAE Glossary of Automotive Terms 2nd Edition

This second edition is an updated compendium of automotive engineering terms and related definitions which appear in SAE International Standards, Recommended Practices, and Information Reports. This volume includes nearly 800 new and revised terms, extracted from new and revised technical reports from 1986 to 1992.

1-56091-198-0, 454 pp., Paperbound 1992.

\$75.95 List Price
Product Code M-105



The Grand Prix Motorcycle

By Kevin Cameron

A must-have for the motorcycle enthusiast, this book chronicles how top-class racing motorcycles have evolved, from the 1940s through today.

978-1-035007-01-2, 216 pp., Hardbound 2009.

\$39.95 List Price
Product Code B-877



Honda R&D Technical Review: October 2010

This e-book gives unique insight into the cutting-edge technical developments from Honda's worldwide R&D team from April through September 2010. The 30 papers included in this volume chronicle Honda's top technical achievements in automotive, motorcycle, power products, and other fundamental technologies.

978-0-7680-7404-2, 2010.

\$100.00 List Price
Product Code B-HON-008

ebook
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Honda R&D Technical Review: October 2008

This unique book gives chronicles the top Honda technical developments from April through September 2008. The 21 papers included give rare insight into the Honda's worldwide R&D team, and cover automotive, motorcycle, power products, and other fundamental technologies. Full-color diagrams complement the text.

978-0-7680-2101-1, Paperbound 2008.

\$49.95 List Price
Product Code B-HON-006

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Vehicles and Performance



Honda R&D Technical Review: April 2008

This unique book chronicles the top Honda technical developments from October 2007 through March 2008. The 25 papers included give rare insight into the Honda's worldwide R&D team, and cover automotive, motorcycle, power products, and other fundamental technologies. Full-color diagrams complement the text.

978-0-7680-2068-7, Paperbound 2008.

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Racing in the Rain

By John Horsman

This book is a must-have for the racing enthusiast: a detailed, in-depth look at the golden era of the Gulf competitions in the 1960s and 70s.

978-1-893618-71-8, 400 pp., Hardbound 2006.

\$49.95 List Price
Product Code B-879



Sportbike Suspension Tuning

By Andrew Trevitt

In the first book to specifically address sportbike suspension systems, Andrew Trevitt, senior editor of *Sport Rider* magazine and a former roadracer, guides you through the process of fine-tuning a motorcycle suspension system one step at a time.

978-1-893618-45-9, 128 pp., Paperbound 2008.

\$24.95 List Price
Product Code B-878



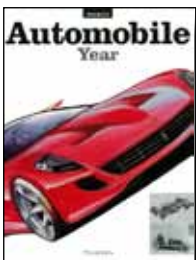
Automotive Electric and Electronics Systems Report

Automotive electronics offer the single largest growth area for suppliers in the future. This report provides detailed coverage of the market drivers along with in-depth analysis of the latest technologies. Published by Supplier Business Ltd.

187 pp., 2010.

\$1835.00 List Price
Product Code MR-SB-073

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Automobile Year 2006/07

By Ian Norris

Special features in this book include hard-hitting interviews, design reviews and a fascinating dossier on the fossil-fuel energy issue.

978-2-916206-04-2, Hardbound 2007.

\$39.99 List Price
Product Code B-866



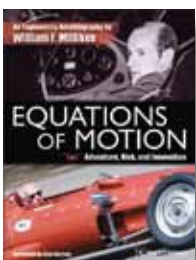
Bus and Coach Report

This report looks at the current state of the bus industry along with global emissions legislation and bus rapid transit systems. The report examines key areas of development in technology and includes profiles of major manufacturers. Published by Supplier Business Ltd.

421 pp., 2010.

\$2130.00 List Price
Product Code MR-SB-074

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Equations of Motion Adventure, Risk and Innovation

By William F. Milliken

In this book Milliken vividly recounts his experiences pushing airplanes and race cars beyond their limits. His exciting life provides singular, real-world insight into the challenge and joy of engineering and history of vehicle dynamics as he created it in the air and on the track.

978-0-8376-1348-2, 680 pp., Hardbound 2006.

\$59.95 List Price
Product Code B-865



The Earthmoving Equipment Report

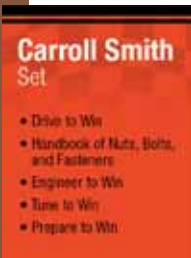
This report describes the earthmoving equipment industry, including recent and future regional markets, marketing approaches, major equipment types, and technologies and trends driving equipment design and their effects on the global industry. Published by SupplierBusiness.

134 pp., 2010.

\$2130.00 List Price
Product Code MR-SB-078

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Vehicles and Performance



The Carroll Smith Race Car Set

By Carroll Smith

This series of books have become the worldwide "bibles" of race car tuning and preparation.

This set includes: *Prepare to Win*, *Drive to Win*, *Tune to Win*, *Engineer to Win* and *Carroll Smith's Nuts, Bolts, Fasteners, and Plumbing Handbook*.

978-0-7680-1847-9, 1060 pp., Paperbound 1996.

\$99.00 List Price

Product Code B-706.SET



Engineer To Win The Essential Guide to Racing Car Materials Technology or How to Build Winners Which Don't Break

By Carroll Smith

It's no secret that lost races and crashes are caused by what is usually referred to as mechanical failure. But author Carroll Smith rightly contends that all failures are human in origin.

978-0-87938-186-8, 280 pp., Paperbound 1984.

\$24.95 List Price

Product Code B-703



Carroll Smith's Engineer in Your Pocket A Practical Guide to Tuning the Race Car Chassis and Suspension

By Carroll Smith

A compilation of Smith's extensive knowledge gained over the past 40 years as a race driver and engineer for many winning teams, this book is laid out to make problem solving as simple as possible.

Published by Carroll Smith. Distributed by SAE.

978-0-9651600-1-8, 32 pp., Paperbound 1998.

\$15.95 List Price

Product Code B-789



Tune To Win The Art and Science of Race Car Development and Tuning

By Carroll Smith

This book clearly explains the basic principles of vehicle dynamics, relating these to the various systems of the racing car and to the inputs and control functions of the racing driver.

Published by Aero Publishers, Inc. Distributed by SAE.

978-0-87938-071-7, 174 pp., Paperbound 1978.

\$19.95 List Price

Product Code B-704



Drive to Win The Essential Guide to Race Driving

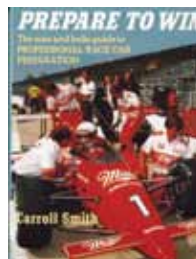
By Carroll Smith

Existing books on how to drive a racing car are written from the driver's point of view. In *Drive to Win*, author Carroll Smith looks at what the driver does (or should do) from the point of view of the engineer, the team manager, the car owner, and the sponsor. This ultimate guide to race car driving is insightful, concise, and entertaining. Published by Carroll Smith. Distributed by SAE.

978-0-9651600-0-1, 208 pp., Paperbound 1996.

\$24.95 List Price

Product Code B-701



Prepare To Win The Nuts and Bolts Guide to Professional Race Car Preparation

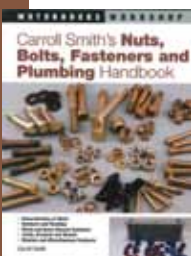
By Carroll Smith

This book contains down-to-earth specific instructions on how to set up a race car in a professional manner. The whole spectrum of race car preparation is covered.

978-0-9651600-3-2, 174 pp., Paperbound 1975.

\$19.95 List Price

Product Code B-705



Carroll Smith's Nuts, Bolts, Fasteners, and Plumbing Handbook

By Carroll Smith

This informative publication is a guide to hardware for race and street cars.

978-0-87938-406-7, 224 pp., Paperbound 1990.

\$21.95 List Price

Product Code B-702



The Global Motorcycle Report

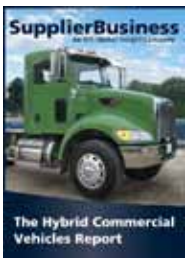
This report examines market conditions across Western Europe, North America as well as key emerging countries such as China and India. Published by Supplier Business Ltd.

149 pp., 2010.

\$1835.00 List Price

Product Code MR-SB-065

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Hybrid Commercial Vehicles Report

This report looks at the different types of commercial vehicle hybrids currently available on the market. It provides detailed coverage of the market drivers along with in-depth analysis of the latest technology. Published by Supplier Business Ltd.

65 pp., 2010.

\$2130.00 List Price
Product Code MR-SB-075

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Indian Truck Report

This report looks at the truck industry in India. Four main sections cover: Indian Truck Market, Buyer behaviour – shifting product preferences, Challenges facing Indian suppliers and Government Policies & regulations. Published by Supplier Business Ltd.

132 pp., 2009.

\$1835.00 List Price
Product Code MR-SB-066

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