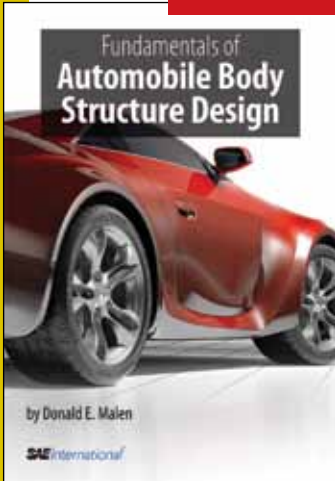


Bodies and Structures

NEW



Fundamentals of Automobile Body Structure Design

By Donald E. Malen

This book provides readers with a solid understanding of the principles of automobile body structural design, illustrating the effect of changing design parameters on the behavior of automobile body structural elements.

Emphasizing simple models of the behavior of body structural systems rather than complex mathematical models, the book looks at the best way to shape a structural element to achieve a desired function, why structures behave in certain ways, and how to improve performance.

Chapters cover:

- Body structural requirements
- Body structural elements
- Design for body bending
- Design for body torsion
- Design for crashworthiness
- Design for vibration
- Design for vehicle and styling integration
- Material selection and mass estimation in preliminary design

Fundamentals of Automobile Body Structure Design provides valuable insight to graduate and undergraduate students in automotive programs, entry-level engineers specializing in automobile body design, and other engineers looking to understand the influence of vehicle layout on body performance or the interaction of subsystems with the body.

ISBN: 978-0-7680-2169-1, 468 pp., Hardbound 2011.

\$89.95 List

Product Code R-394

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Best Seller



Handbook of Automotive Engineering

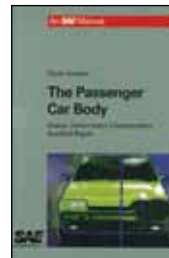
By Ulrich W. Seiffert, Hans Hermann Braess

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.

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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. Recommendations for the cost-effective repair of accident damage round off the contents.

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

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Fleet Manager's Guide to Vehicle Specification and Procurement, Second Edition

By John E. Dolce

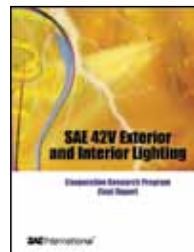
Updated and expanded, this second edition is an essential resource for all managers and supervisors involved in fleet management. Written in concise, simple language, this publication offers a wealth of practical approaches for saving money and yielding higher profits.

978-0-7680-0981-1, 314 pp., Hardbound 2003.

\$59.99 List

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SAE 42V Exterior and Interior Lighting Cooperative Research Program Final Report

This research report documents the findings, the effects, and limitations of 42 volt electrical system architecture on vehicle exterior and interior lighting systems.

978-0-7680-1216-3, 122 pp., Paperbound 2003.

\$999.99 List

Product Code: RR-018

Best Seller



Stretching It The Story of the Limousine

By Michael L. Bromley, Tom Mazza

This book traces the history of the stretch limousine, from the classic, stately styles of the early days to the sleek, contemporary, and luxury filled models of today. Readers will get the story of the cars themselves, as well as the chauffeurs and those who have ridden in the back seat.

978-0-7680-0672-8, 236 pp., Hardbound 2002.

\$5.00 List

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Three Little Pigs Sledding Adventure

By Stephen Krensky

In this book, young readers will follow the three little pigs as they go out to play in the snow and ride on their sleds. The story, presents scientific concepts and teaches the effects of height and weight on the pigs' sled and how far and fast it can go to escape the Big Bad Wolf.

978-0-7680-3486-8, 32 pp., Paperbound 2011.

\$11.95 List

Product Code: AWIMPRIM-001



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, 2008.

\$49.95 List

Product Code: B-HON-006

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Honda R&D Technical Review: April 2008

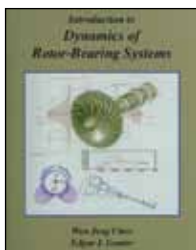
This unique e-book chronicles the top Honda technical developments from October 2007 through March 2008. The 25 papers included give rare insight into the Honda's worldwide R&D team and cover automotive, motorcycle, power products, and other fundamental technologies. Full-color diagrams complement the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

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

\$49.95 List

Product Code: B-HON-005

ebook
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Introduction to Dynamics of Rotor-Bearing Systems

By Edgar J. Gunter, Wen Jeng Chen

This book is written as an introduction to rotor-bearing dynamics for practicing engineers and students who are involved in rotor dynamics and bearing designs. Providing a step-by-step approach to the fundamentals of rotor-bearing dynamics, it emphasizes basic principles, phenomena, modeling, theory, and interpretations of the results.

978-1-4120-5190-3, 482 pp., Hardbound 2001.

\$125.00 List

Product Code: B-904



Roofing Systems Report

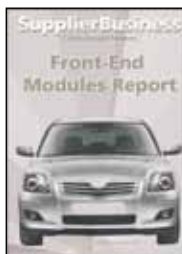
This first edition Roofing Systems Report is a key resource for those involved within the sector. It considers the various types of modules that are currently being manufactured, as well as looking at OEM strategies towards roof modules. The report also charts the key drivers and trends in the market and looks to the cavalcade of new technologies being applied to future models, with examples from vehicles both currently available in the market and those set to appear in the near future. Published By: SupplierBusiness

103 pp., PDF Only 2008.

\$1830.00 List

Product Code: MR-SB-035

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Front-End Modules Report

This first edition Front-end Modules takes an in depth look at the sector looking at all the latest technological aspects, sector revenues, volumes and in depth analysis of all the major players.

Also included are profiles of the main suppliers in the industry and an extensive supplier directory. Published By: SupplierBusiness

318 pp., PDF Only 2008.

\$1830.00 List

Product Code: MR-SB-021

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Door Modules Report

This first edition Door Modules Report is an invaluable resource to anybody involved in the sector. It considers the different types of door module which are manufactured and looks at OEM strategies towards door modules. It shows factors currently governing the market, an outlook for the future of the sector and extensive profiles of all the major players within the industry. Published By: SupplierBusiness

PDF Only 2008.

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Product Code: MR-SB-016

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NEW



The Global Automotive Exterior LED Market

This report highlights the findings of research conducted throughout 2010 by ABOUT Automotive in the automotive exterior LED market. Volume and value forecasts for exterior LED lighting applications for Western Europe, North America and Japan are detailed, as well as this sector's technical trends and challenges.

43 pp., PDF Only 2011.

\$612.00 List

Product Code: MR-AB-001

ebook
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NEW



Advanced Lighting Systems Report

This new report provides analysis of the automotive lighting sector, including its key drivers, and the regulatory environment. It also provides a detailed look at the latest lighting technologies.

80 pp., PDF Only 2011.

\$2110.00 List

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