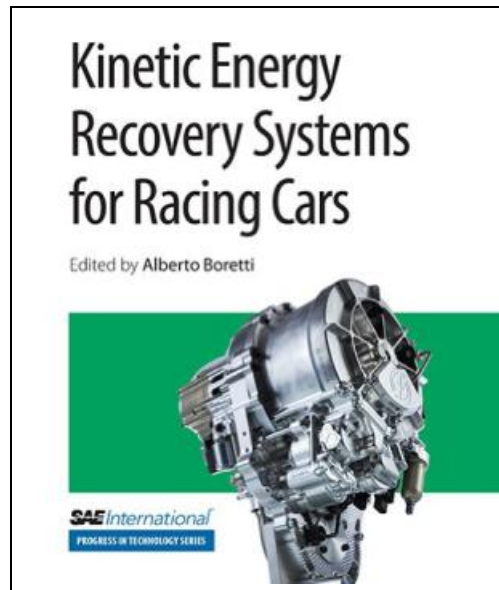


Kinetic Energy Recovery Systems for Racing Cars (Paperback)



Filesize: 7.96 MB

Reviews

It in a of the best publication. It really is loaded with knowledge and wisdom You may like the way the blogger write this ebook.
(Prof. Shannon Wehner PhD)

KINETIC ENERGY RECOVERY SYSTEMS FOR RACING CARS (PAPERBACK)



To get **Kinetic Energy Recovery Systems for Racing Cars (Paperback)** eBook, remember to follow the button under and download the document or have accessibility to other information which might be relevant to KINETIC ENERGY RECOVERY SYSTEMS FOR RACING CARS (PAPERBACK) ebook.

SAE International, United States, 2013. Paperback. Condition: New. Language: English . Brand New Book. A kinetic energy recover system (KERS) captures the kinetic energy that results when brakes are applied to a moving vehicle. The recovered energy can be stored in a flywheel or battery and used later, to help boost acceleration. KERS helps transfer what was formerly wasted energy into useful energy. In 2009, the Federation Internationale de l Automobile (FIA) began allowing KERS to be used in Formula One (F1) competition. Still considered experimental, this technology is undergoing development in the racing world but has yet to become mainstream for production vehicles. The Introduction of this book details the theory behind the KERS concept. It describes how kinetic energy can be recovered, and the mechanical and electric systems for storing it. Flybrid systems are highlighted since they are the most popular KERS developed thus far. The KERS of two racing vehicles are profiled: the Dyson Lola LMP1 and Audi R18 e-tron Quattro. Four SAE technical papers follow the preface and focus on the use of KERS technology in F1 racing. The first paper examines the factors that influence hybrid performance and enable optimisation for different racing circuits. The second paper describes a Flybrid KERS designed for the 2009 F1 season. The third paper considers the development of an electric KERS for the 2009 F1 season. The fourth paper presents the challenges and opportunities of the 2014 F1 engine and powertrain rules, particularly as they pertain to KERS. This book has been published for automotive engineers who are interested in hybrid systems, energy recovery, regenerative braking, and improving acceleration. It will also be useful for powertrain designers, researchers, academics, and motorsports professionals (race engineers, team managers, and technology practitioners who design and build racing powertrains).



[Read Kinetic Energy Recovery Systems for Racing Cars \(Paperback\) Online](#)



[Download PDF Kinetic Energy Recovery Systems for Racing Cars \(Paperback\)](#)



[Download ePub Kinetic Energy Recovery Systems for Racing Cars \(Paperback\)](#)

Relevant PDFs



[PDF] Crochet: Learn How to Make Money with Crochet and Create 10 Most Popular Crochet Patterns for Sale: (Learn to Read Crochet Patterns, Charts, and Graphs, Beginner s Crochet Guide with Pictures)

Click the web link beneath to read "Crochet: Learn How to Make Money with Crochet and Create 10 Most Popular Crochet Patterns for Sale: (Learn to Read Crochet Patterns, Charts, and Graphs, Beginner s Crochet Guide with Pictures)" document.

[Read ePub »](#)



[PDF] 50 Green Smoothies for Weight Loss, Detox and the 10 Day Green Smoothie Cleanse: A Guide of Smoothie Recipes for Health and Energy

Click the web link beneath to read "50 Green Smoothies for Weight Loss, Detox and the 10 Day Green Smoothie Cleanse: A Guide of Smoothie Recipes for Health and Energy" document.

[Read ePub »](#)



[PDF] On Becoming Baby Wise, Book Two: Parenting Your Five to Twelve-Month Old Through the Babyhood Transition

Click the web link beneath to read "On Becoming Baby Wise, Book Two: Parenting Your Five to Twelve-Month Old Through the Babyhood Transition" document.

[Read ePub »](#)



[PDF] Everything Ser The Everything Green Baby Book From Pregnancy to Babys First Year An Easy and Affordable Guide to Help Moms Care for Their Baby And for the Earth by Jenn Savedge 2009 Paperback

Click the web link beneath to read "Everything Ser The Everything Green Baby Book From Pregnancy to Babys First Year An Easy and Affordable Guide to Help Moms Care for Their Baby And for the Earth by Jenn Savedge 2009 Paperback" document.

[Read ePub »](#)



[PDF] Learn the Nautical Rules of the Road: An Expert Guide to the COLREGs for All Yachtsmen and Mariners

Click the web link beneath to read "Learn the Nautical Rules of the Road: An Expert Guide to the COLREGs for All Yachtsmen and Mariners" document.

[Read ePub »](#)



[PDF] Ohio Court Rules 2014, Government of Bench Bar

Click the web link beneath to read "Ohio Court Rules 2014, Government of Bench Bar" document.

[Read ePub »](#)

**[PDF] Being Nice to Others: A Book about Rudeness**

Follow the hyperlink beneath to get "Being Nice to Others: A Book about Rudeness" document.

[Download Document »](#)

**[PDF] Growing Up: From Baby to Adult High Beginning Book with Online Access**

Follow the hyperlink beneath to get "Growing Up: From Baby to Adult High Beginning Book with Online Access" document.

[Download Document »](#)

**[PDF] Book Finds: How to Find, Buy, and Sell Used and Rare Books (Revised)**

Follow the hyperlink beneath to get "Book Finds: How to Find, Buy, and Sell Used and Rare Books (Revised)" document.

[Download Document »](#)

**[PDF] Diary of a Potion Maker (Book 2): Jail Break (an Unofficial Minecraft Book for Kids Ages 9 - 12 (Preteen)**

Follow the hyperlink beneath to get "Diary of a Potion Maker (Book 2): Jail Break (an Unofficial Minecraft Book for Kids Ages 9 - 12 (Preteen)" document.

[Download Document »](#)

**[PDF] Barabbas Goes Free: The Story of the Release of Barabbas Matthew 27:15-26, Mark 15:6-15, Luke 23:13-25, and John 18:20 for Children**

Follow the hyperlink beneath to get "Barabbas Goes Free: The Story of the Release of Barabbas Matthew 27:15-26, Mark 15:6-15, Luke 23:13-25, and John 18:20 for Children" document.

[Download Document »](#)

**[PDF] Diary of a Potion Maker (Book 1): The Potion Expert (an Unofficial Minecraft Book for Kids Ages 9 - 12 (Preteen)**

Follow the hyperlink beneath to get "Diary of a Potion Maker (Book 1): The Potion Expert (an Unofficial Minecraft Book for Kids Ages 9 - 12 (Preteen)" document.

[Download Document »](#)