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dive into the amazing world of cars from the oldest classic cars to record breaking vehicles supercars and the cars of the future get behind the wheel of 160 different types of cars from hatchbacks and saloons to hybrids and vintage cars and even explore the exhilarating sport of car racing from the classic ferrari 250 gt swb to today s tiniest electric cars find out how cars work and the mysteries of the car engine with dozens of facts at your fingertips and bite sized chunks of information learning about cars becomes even more fun with amazing encyclopedic stats engaging photographs and genius gem facts dk pocket eyewitness cars will help you explore cool cars from every era perfect for school projects and homework assignments as well as for young car enthusiasts dk pocket eyewitness cars will tell you everything you need to know about cars in one ebook from the factory to the road browse through more than 170 cool cars from hatchbacks to hybrids in pocket genius cars trace the history of the automobile from early vintage cars to modern concept cars limousines to coupes and minivans to sports cars in this compact size reference guide perfect for children ages 8 12 redesigned in paperback dk s best selling pocket genius series is now available in an engaging compact and economical format that is ideal for both browsing and quick reference for use in school and at home catalog entries packed with facts provide at a glance information while locator icons offer immediately recognizable references to aid navigation and understanding and fact files round off the book with fun facts such as record breakers and timelines each pocket size encyclopedia is filled with facts on subjects ranging from animals to history cars to dogs and earth to space and combines a child friendly layout with engaging photography and bite size chunks of text that will encourage and inform even the most reluctant readers pcmag com is a leading authority on technology delivering labs based independent reviews of the latest products and services our expert industry analysis and practical solutions help you make better buying decisions and get more from technology popular mechanics inspires instructs and influences readers to help them master the modern world whether it s practical diy home improvement tips gadgets and digital technology information on the newest cars or the latest breakthroughs in science pm is the ultimate guide to our high tech lifestyle for the first time in one volume phil edmonston canada s automotive dr phil covers all used vehicles packing this guide

with insider tips to help the consumer make the safest and cheapest choice possible from cars and trucks of the past 25 years popular mechanics inspires instructs and influences readers to help them master the modern world whether it s practical diy home improvement tips gadgets and digital technology information on the newest cars or the latest breakthroughs in science pm is the ultimate guide to our high tech lifestyle with production and planning for new electric vehicles gaining momentum worldwide this book the third in a series of five volumes on this subject provides engineers and researchers with perspectives on the most current and innovative developments regarding electric and hybrid electric vehicle technology design considerations and components this book features 13 sae technical papers published from 2008 through 2010 that provide an overview of research on electric vehicle engines and powertrains topics include hybrid electric vehicle transmissions and propulsion systems the development of a new 1 8 liter engine for hybrid vehicles vehicle system control software validation the impact of hybrid electric powertrains on chassis systems and vehicle dynamics high torque density motors and interior permanent magnet synchronous motors as u s and canadian automakers and dealers face bankruptcy and or unprecedented downsizing lemon aid guides steer the confused and anxious buyer through the economic meltdown unlike any other car and truck books on the market phil edmonston canada s automotive dr phil for more than 35 years pulls no punches this compendium of everything that s new in cars and trucks is packed with feedback from canadian drivers insider tips internal service bulletins and confidential memos to help the consumer select what s safe reliable and fuel frugal know all about profit margins rebates and safety defects and when things go wrong fight back lemon aid s complaint tactics sample letters internet gripe sites and winning jurisprudence will get you attention and a refund the automotive maven and former member of parliament might be the most trusted man in canada an inverse relationship to the people he writes about the globe and mail lemon aid shows car and truck buyers how to pick the cheapest and most reliable vehicles from the past 30 years of auto production this brand new edition of the bestselling guide contains updated information on secret service bulletins that can save you money phil describes sales and service scams lists which vehicles are factory goofs and sets out the prices you should pay as canada s automotive dr phil for over 40 years edmonston pulls no punches his lemon aid is more potent and provocative than ever a guide to buying a used car or minivan features information on the strengths and weaknesses of each model a safety summary recalls warranties and service tips

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the technology behind hybrids and make an intelligent decision when purchasing your next vehicle with one billion cars expected to be on the roads of the world in the near future the potential for war over oil and the negative environmental effects of emissions will be greater than ever before now is the time to seriously consider an alte our automobile culture is devastating for the environment but private passenger vehicles are unlikely to disappear from our roads anytime soon greener cars and fuels will be a necessity for many years to come green transportation basics is a guide to greening your personal driving habits by dramatically improving the efficiency of an existing vehicle using simple measures such as trip planning and regular maintenance to improve fuel economy this handy guide also explores the most promising new green carsand trucks including electric vehicles hybrids plug in hybrids and natural gas cars and it critically examines sustainable fuels includingethanol biodiesel straight vegetable oil hydrogen and biomethane evaluating each according to a set of established criteria each green fuel source must be socially economically and environmentally sustainable have a high net energy yield be clean abundant renewable affordable don t let your dream of greening your transportation idle green transportation basics will guide you through the myths and misconceptions and provide clear options for the road to a more sustainable future volume one traces the history of opel and vauxhall separately from inception through to the 1970s and thereafter collectively to 2015 special attention is devoted to examining innovative engineering features and the role opel has taken of providing global platforms for gm

each model is examined individually and supplemented by exhaustive supporting specification tables the fascinating history of saab and lotus begins with their humble beginnings and examines each model in detail and looks at why these unusual marques came under the gm banner included is a penetrating review of saab through to its unfortunate demise volume two examines unique models and variations of chevrolet and buick manufactured in the southern hemisphere and asia but never offered in north america daewoo wuling and baojun are other asian brands covered in detail this volume concludes with recording the remarkable early success of holden and its continued independence through to today volume three covers the smaller assembly operations around the world and the evolution of gm s export operations a brief history of isuzu subaru and suzuki looks at the three minority interests gm held in asia the gm north american model specifications are the most comprehensive to be found in a single book global and regional sales statistics are included gm executives and management from around the globe are listed with the roles they held an index ensures that these volumes serve as the ideal reference source on gm hybrid energy systems integrate multiple sources of power generation storage and transport mechanisms and can facilitate increased usage of cleaner renewable and more efficient energy sources hybrid power generation storage and grids discusses hybrid energy systems from fundamentals through applications and discusses generation storage and grids highlights fundamentals and applications of hybrid energy storage discusses use in hybrid and electric vehicles and home energy needs discusses issues related to hybrid renewable energy systems connected to the utility grid describes the usefulness of hybrid microgrids and various forms of off grid energy such as mini grids nanogrids and stand alone systems covers the use of hybrid renewable energy systems for rural electrification around the world discusses various forms and applications of hybrid energy systems hybrid energy storage hybrid microgrids and hybrid off grid energy systems details simulation and optimization of hybrid renewable energy systems this book is aimed at advanced students and researchers in academia government and industry seeking a comprehensive overview of the basics technologies and applications of hybrid energy systems hybrid powered vehicles 2nd edition builds on the original edition s exploration of hybrid components system engineering design constraints challenges and opportunities of hybrid vehicles since the first edition was published in 2003 hybrid vehicles have seen major technical developments and have gained significant market share this book provides the reader with a thorough yet accessible understanding of the latest hybrid technology

developments along with keen insight into the market forces shaping the technology and a look at what lies ahead author john german reviews the development history of hybrid vehicles and the current state of hybrid technology including battery types and chemistries he also highlights the cycles of fuel availability fuel economy and concern for environmental issues and profiles government efforts to spur development of more efficient vehicles future enhancements including more sophisticated hybrid control strategies and integrating additional electrical components to improve efficiency are also featured cost reduction being a major barrier to mass market adoption is also discussed finally future sales and market forecasts are offered including the belief that hybrid sales will rapidly increase after approximately 2020 and will capture about 75 of the market by about 2030 topics include transitional technology or ultimate solution design components design constraints plug in hybrid design hybrid system optimization customer acceptance future development future conventional hybrid and phev markets the fifth volume of the wiley series in environmentally conscious engineering environmentally conscious transportation provides a foundation for understanding and implementing methods for reducing the environmental impact of a wide range of transportation modes from private automobiles with a separate chapter on biofuels to heavy trucks and buses to rail and public transportation systems to aircraft each chapter has been written by one or more experts who based on their hands on field experience present relevant practical and analytic techniques for enhancing the integrity and reliability of transportation vehicles and infrastructure as well as for measuring and limiting the pollution caused by transportation activities moreover the book explains how to satisfy key business objectives such as maximizing profits while meeting environmental objectives popular mechanics inspires instructs and influences readers to help them master the modern world whether it s practical diy home improvement tips gadgets and digital technology information on the newest cars or the latest breakthroughs in science pm is the ultimate guide to our high tech lifestyle popular science gives our readers the information and tools to improve their technology and their world the core belief that popular science and our readers share the future is going to be better and science and technology are the driving forces that will help make it better energy and fuel systems integration explains how growing energy and fuel demands paired with the need for environmental preservation require different sources of energy and fuel to cooperate and integrate with each other rather than simply compete providing numerous examples of energy and fuel systems integration success stories this book

discusses the use of different mixtures of fuels for combustion gasification liquefaction pyrolysis and anaerobic digestion processes describes the use of hybrid nuclear and renewable energy systems for power and heat cogenerations with nonelectrical applications details the holistic integration of renewable nuclear and fossil energy systems by gas heat and smart electrical grids energy and fuel systems integration emphasizes the many advantages of these integrated systems including sustainability flexibility for optimization and scale up and more efficient use of storage transportation and delivery infrastructures ebony is the flagship magazine of johnson publishing founded in 1945 by john h johnson it still maintains the highest global circulation of any african american focused magazine ebony is the flagship magazine of johnson publishing founded in 1945 by john h johnson it still maintains the highest global circulation of any african american focused magazine the u s transportation sector relies almost exclusively on oil as a result it causes about a third of the nation s greenhouse gas emissions advanced technology vehicles powered by alternative fuels such as electricity and ethanol are one way to reduce oil consumption the fed gov t set a goal for fed agencies to use plug in hybrid electric vehicles vehicles that run on both gasoline and batteries charged by connecting a plug into an electric power source as they become available at a reasonable cost this report examined the 1 potential benefits of plug ins 2 factors affecting the availability of plug ins and 3 challenges to incorporating plug ins into the fed fleet illustrations this illustrated history chronicles electric and hybrid cars from the late 19th century to today s fuel cell and plug in automobiles it describes the politics technology marketing strategies and environmental issues that have impacted electric and hybrid cars research and development the important marketing shift from a woman s car to going green is discussed milestone projects and technologies such as early batteries hydrogen and bio mass fuel cells the upsurge of hybrid vehicles and the various regulations and market forces that have shaped the industry are also covered for a century almost all light duty vehicles ldvs have been powered by internal combustion engines operating on petroleum fuels energy security concerns about petroleum imports and the effect of greenhouse gas ghg emissions on global climate are driving interest in alternatives transitions to alternative vehicles and fuels assesses the potential for reducing petroleum consumption and ghg emissions by 80 percent across the u s ldv fleet by 2050 relative to 2005 this report examines the current capability and estimated future performance and costs for each vehicle type and non petroleum based fuel technology as options that could significantly contribute to these goals by analyzing scenarios that

combine various fuel and vehicle pathways the report also identifies barriers to implementation of these technologies and suggests policies to achieve the desired reductions several scenarios are promising but strong and effective policies such as research and development subsidies energy taxes or regulations will be necessary to overcome barriers such as cost and consumer choice

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source must be socially economically and environmentally sustainable have a high net energy yield be clean abundant renewable affordable don't let your dream of greening your transportation idle green transportation basics will guide you through the myths and misconceptions and provide clear options for the road to a more sustainable future

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