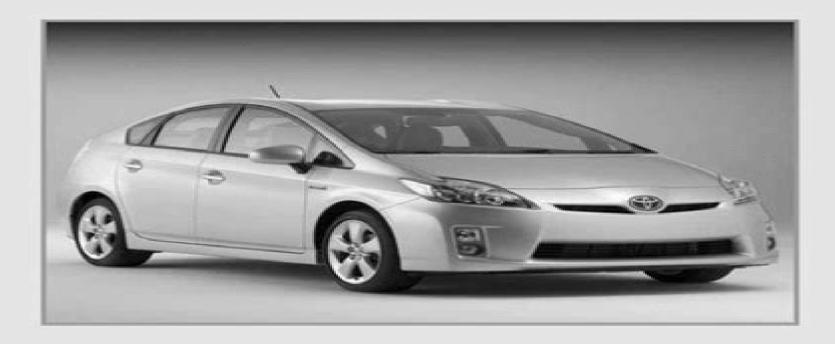
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PHEV Conversion Kit User Manual

for 2010 Prius



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- This is a patent pending technology.

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N Colangelo

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Plug-in Electric Car Buyers Buying Guide, Electric and Hybrid Vehicles Gianfranco Pistoia, 2010-07-27 Electric and Hybrid Vehicles Power Sources Models Sustainability Infrastructure and the Market reviews the performance cost safety and sustainability of battery systems for hybrid electric vehicles HEVs and electric vehicles EVs including nickel metal hydride batteries and Li ion batteries Throughout this book especially in the first chapters alternative vehicles with different power trains are compared in terms of lifetime cost fuel consumption and environmental impact The emissions of greenhouse gases are particularly dealt with The improvement of the battery or fuel cell performance and governmental incentives will play a fundamental role in determining how far and how substantial alternative vehicles will penetrate into the market An adequate recharging infrastructure is of paramount importance for the diffusion of vehicles powered by batteries and fuel cells as it may contribute to overcome the so called range anxiety. Thus proposed battery charging techniques are summarized and hydrogen refueling stations are described The final chapter reviews the state of the art of the current models of hybrid and electric vehicles along with the powertrain solutions adopted by the major automakers Contributions from the worlds leading industry and research experts Executive summaries of specific case studies Information on basic A Convenient Solution Howard Johnson, 2010-04-09 research and application approaches The Electric Vehicle Conversion Handbook HP1568 Mark Warner, 2011-06-07 A guide on how to convert any gas or diesel powered vehicle to electric power Includes ownership advantages basic EV operation subsystems components basic EV operation project vehicles and conversion kits Determining PHEV Performance Potential - User and Environmental Influences on A123 Systems' Hymotion"!Plug-In Conversion Module for the Toyota Prius, 2009 A123Systems's HymotionTM L5 Plug in Conversion Module PCM is a supplemental battery system that converts the Toyota Prius hybrid electric vehicle HEV into a plug in hybrid electric vehicle PHEV The Hymotion system uses a lithium ion battery pack with 4 5 kWh of useable energy capacity and recharges by plugging into a standard 110 120V outlet The system is designed to more than double the Prius fuel efficiency for 30 50km of charge depleting range This paper will cover efforts by A123 Systems and the Idaho National Laboratory in studying the on road performance of this PHEV fleet The performance potentials of various fleets will be compared in order to determine the major influences on overall performance Build Your Own Plug-In Hybrid Electric Vehicle Seth Leitman, 2009-06-22 A Step by Step Guide to Building a Plug In Hybrid Electric Vehicle from the Ground Up Written by clean energy guru and electric vehicle expert Seth Leitman this hands on guide gives you the latest technical information and easy to follow instructions for building a plug in hybrid electric vehicle PHEV Written by Seth Leitman longtime green vehicle sustainability expert and author of Build Your Own Electric Vehicle this 275 page book provides an overview of the technology and the issues in doing a conversion and it works well as a different way in to the open source material that can be found at http www eaa phev org or the easier to remember http www priusplus org CalCars org Build

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