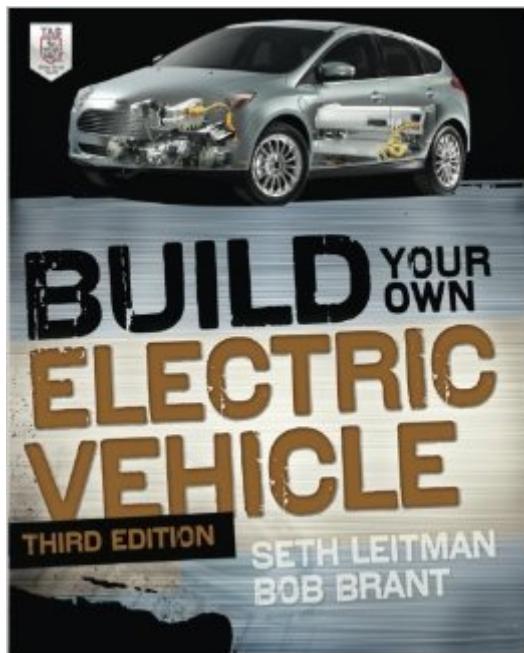


The book was found

# Build Your Own Electric Vehicle, Third Edition



## Synopsis

BUILD, CONVERT, OR BUY A STATE-OF-THE-ART ELECTRIC VEHICLE Thoroughly revised and expanded, Build Your Own Electric Vehicle, Third Edition, is your go-to guide for converting an internal combustion engine vehicle to electric or building an EV from the ground up. You'll also find out about the wide variety of EVs available for purchase and how they're being built. This new edition details all the latest breakthroughs, including AC propulsion and regenerative braking systems, intelligent controllers, batteries, and charging technologies. Filled with updated photos, this cutting-edge resource fully describes each component--motor, battery, controller, charger, and chassis--and provides illustrated, step-by-step instructions on how to assemble all the parts. Exclusive web content features current supplier and dealer lists. Custom-built for environmentalists, engineers, students, hobbyists, and mechanics, this hands-on guide puts you in the fast lane toward a cost-effective, reliable green machine. Build Your Own Electric Vehicle, Third Edition, covers:

Environmental impact and energy savings The best EV for you--purchase trade-offs, conversion trade-offs, and conversion costs

Chassis and design Different types of electric motors and controllers

Lithium EV batteries

Chargers and electrical systems

EV builds and conversions

Licensing and insuring your EV

Driving and maintenance

List of manufacturers and dealers regularly updated on website

## Book Information

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## Customer Reviews

About halfway through the book I wanted to stop reading because it became so repetitious, it was really beating me over the head with factoids about how good electric vehicles are, I know they are, that's why I bought the book, you don't need to sell me on the idea of electric cars anymore. You could have 1 chapter explaining the social, economic, environmental benefits of electric car ownership and then never say it again, ever, seriously:-) The Tesla stuff was all over the place too, consolidate that or use that as a fixed reference for the various topics like types of battery's, here's what Tesla uses, types of transmissions, here's what Tesla uses...I pushed through and was rewarded with the last half which was much more direct and explained actually building an electric vehicle. The AC vs DC information was well handled as well as how to handle the transmission in a electric conversion project, for those sections alone I would recommend this book.

About half the book is repetitious diatribe convincing you that electric cars are the best thing since sliced bread and Gas motored cars stink. Now given that you are reading this when you spent money to figure out How to build an electric car, I found it a bit of a let down and felt I really didn't get my money's worth. Another large portion of the book sings the praises of commercially built electric cars particularly the Tesla. Again, i bought a book to learn how to build an electric car, not how to buy one or which one to buy... A large part of the remainder of the book Using lots of formulas that help you determine exactly what size motor you need etc. From what I have done for research already it seems to me that if you tell a supplier of motors and hardware what you are planning on converting and what sort of performance you want they will pretty much nail down the options to fill the bill. the books jumps form subject to subject and is quite disjointed. Logical flow is very much lacking. Another large portion of the book speaks in technogeek language that is likely only to be understood by someone already immersed in electric car conversions and it does not take time to explain the terms. All in all I was underwhelmed on the Kindle purchase. Fortunately .com has an excellent return policy and customer service and allowed me to return the book for a refund of the price paid. Thank you ! I really like doing business with you.

I bought both "Build Your Own Electric Vehicle" and "The Electric Vehicle Conversion Handbook" at the same time. Both books are well done, and will help someone considering building an electric vehicle decide if they really want to proceed. Both spend a lot of time introducing the concepts involved, and "Build Your Own Electric Vehicle" has some advanced information. However, I was hoping for something a bit more detailed from both books. However, I realize it's hard to keep these books current on such a rapidly-changing topic. A couple of the companies referenced have since

gone out of business.

I just finished reading this book yesterday. The negative reviews available on the website are quite accurate. The book doesn't detail how to actually build your own electric vehicle, although it goes into substantial detail about how to convert an existing gasoline-powered vehicle. There was an incredibly large amount of redundant material in this book. Some of it is accurate; some is not. One illustration estimates the price of a Tesla Roadster at ~\$60K; the truth is they were priced over \$120K. The follow-on from Tesla is the model S; it is priced at ~\$70K, whereas the estimate of follow-on Teslas will be priced at \$30K. The Tesla Roadster was discontinued a few years ago; the information in this book was never updated in the 3rd edition. The redundant elements of the book go on and on. The most repetitive topic is about encouraging the reader to build his/her own electric vehicle. The second topic focuses on the topic of helping to clean up the environment and improving national security by reducing the US's dependence on foreign petroleum. A few sentences in the preface would have sufficed. What really surprises me about the book is that it was published in such a manner at all. McGraw-Hill Education published this book without any consideration of fixing incorrect paragraph structure, verifying inaccurate statements, consolidating redundancies, and limiting the scope to the title of the book. On a positive note, the book includes an analysis about how to size a motor to a vehicle. It is summarized in Figure 5-13 in the 3rd ed. This is a topic I struggled with while analyzing my own electric vehicle conversion. From my standpoint, this was the most important topic covered by the book.

Not impressed... In a few areas, the book goes into huge amounts of completely irrelevant and outdated detail, and yet overall it is incredibly thin on actual information. Overall, it reads like an expanded 'popular science' article and has about as much actually useful info as a 3 page magazine article. I hate to ever throw away books, but this one goes in the trash as I'd rather see it there than wasting another reader's time with it.

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