

How To Build A Car

How to Build Dream Cars with LEGO Bricks
Autonomy
How to Build a Car: The Autobiography of the World's Greatest Formula 1 Designer
How to Build a Successful Low-Cost Rally Car
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How to Build a Fiberglass Car
Build Your Own Kit Car
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How to Build Motorcycle-engined Racing Cars
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Detroit Speed's How to Build a Pro Touring Car
Killer Camera Rigs that You Can Build
How To Build a Cheap Sports Car
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How to Build Brick Cars
How to Plan and Build a Fast Road Car
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The Mechanic's Tale
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How to Build Cobra Kit Cars + Buying Used
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How to Build a Racing Car
Build Your Own Sports Car for as Little as £250 - and Race It!
Preston Tucker and His Battle to Build the Car of Tomorrow
Detroit Speed's How to Build a Pro Touring Car
The R/C Car Bible
The Mechanic
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How to Build Tiger Avon Or GTA Sports Cars for Road Or Track
How to Build a Hot Rod
How to Build a Motorcycle
How to Build a Pedal Car
Build Your Own Car Dashboard with a Raspberry Pi
Build To Order

How to Build Dream Cars with LEGO Bricks

Modifications that work for road cars
Introduces and explains the 4 aspects of performance
Guides readers through alternatives, to enable good decisions. Applicable to all makes and models of car. Helps prioritise spending on modifications. Ensures your project car is one of the best. Ensures money isn't wasted on ideas that don't work.

Autonomy

"The singular beauty of this book is that Mr. Selakovich has successfully dedicated himself to producing clarity with every page." - Michael Ferris, Camera Operator/DP (Die Hard)
"For filmmakers who like to shoot their films with a mobile camera without spending a fortune on equipment rentals, this book is a great gift indeed. I highly recommend it for its clarity and common sense." - Kris Malkiewica, Cinematographer/Author
Don't buy or rent your fillm equipment-build it! Construct professional-quality camera rigs on your own with this comprehensive, step-by-step guide and stop wasting your money on overpriced equipment rentals and purchases! Dan Selakovich guides you through the creation of jibs, dollies, cranes, car-mounts, sandbags, tripods, and more. Features include: * Build inexpensive but reliable and sturdy rigs-including cranes, dollies, stabilizers, car-mounts, and more; most for much less than \$100! * Includes over 2,000 photographs with clear step-by-step instructions, safety guidelines, material lists, and tool lists for each rig. * American standard and meric measurements included. * Includes a companion web site: <http://dvcamerarigs.com/> * Build cheap but reliable and sturdy rigs – including cranes, dollies, stabilizers, car mounts, and more for \$50-\$100 each! Even if you only use this book to make two sandbags – you'll make back your money. *All measurements are provided in both standard and metric units – now updated to include region-specific material information *Includes over 1300 photographs total- with clear step-by-step instructions, safety guidelines, material lists, and tool lists for each rig

How to Build a Car: The Autobiography of the World's Greatest Formula 1 Designer

This comprehensive account of the past, present and future of the automobile examines the key trends, key technologies and key players involved in the race to develop clean, environmentally friendly

vehicles that are affordable and that do not compromise on safety or design. Undertaking a rigorous interrogation of our global dependency on oil, the author demonstrates just how unwise and unnecessary this is in light of current developments such as the fuel cell revolution and the increasing viability of hybrid cars, which use both petrol and electricity - innovations that could signal a new era of clean, sustainable energy. The arguments put forward draw on support from an eclectic range of sources - including industry insiders, scientists, economists and environmentalists - to make for an enlightening read.

How to Build a Successful Low-Cost Rally Car

Originally published in 1949 by Floyd Clymer, this edition was republished in 2010 by VelocePress. This comprehensive and informative book, written in easy to understand language, puts the capability of designing and building a 1950's era midget racing car or a three-quarter (dirt track) car within reach of the home-based enthusiast. The fundamental principles described in this book may also be applied to the construction of a 50's track roadster or even a custom built hot rod. Highly technical terminology and engineering terms have been avoided, as the aim of this book is to define the construction process in clear and understandable terms, regardless of the reader's technical background or training. The principles it contains are just as relevant today as they were some 50 years ago when this book was first written. The design process is clearly explained, the raw materials required are described, and the construction process is presented in an easy-to-follow step by step procedure. Obviously, this book would also be a valuable reference for anyone contemplating repairing, refurbishing or restoring a vintage racing car. This edition also includes a 38 page bonus section featuring a reproduction of an appropriate Offenhauser Speed Equipment catalog. Out-of-print and unavailable for many years, this book is becoming increasingly more difficult to find on the secondary market and we are pleased to be able to offer this reproduction as a service to all those vintage automotive race car builders and enthusiasts worldwide.

How to Build a Car

Step-by-step guide to building a dream sports car on a budget. Based on available Ford mechanical components: use a straight 4 or V8 engine, including Pinto, Zetec or Rover K-Series or motorcycle engine. All parts available from Tiger Sportscars.

How to Build a Fiberglass Car

In the high-octane atmosphere of the Formula One pit lane, the spotlight is most often on the superstar drivers. And yet, without the technical knowledge, competitive determination and outright obsession from his garage of mechanics, no driver could possibly hope to claim a spot on the podium. These are the guys who make every World Champion, and any mistakes can have critical consequences. That's not to say the F1 crew is just a group of highly skilled technical engineers, tweaking machinery in wind tunnels and crunching data through high-spec computers. These boys can seriously let their hair down. Whether it be parties on luxury yachts in Monaco or elaborate photo opportunities in gravity-defying aeroplanes, this is a world which thrills on and off the track. Join McLaren's former number-one mechanic, Marc 'Elvis' Priestley as he tours the world, revealing some of Formula One's most outrageous secrets and the fiercest rivalries, all fuelled by the determination to win. This is Formula One as you've never seen it before.

Build Your Own Kit Car

This study exposes the human side of the decline of the U.S. auto industry, tracing the experiences of two key groups of General Motors workers: those who took a cash buyout and left the factory, and those who remained and felt the effects of new technology and other workplace changes. Milkman's extensive interviews and surveys of workers from the Linden, New Jersey, GM plant reveal their profound hatred for the factory regime—a longstanding discontent made worse by the decline of the auto workers' union in the 1980s. One of the leading social historians of the auto industry, Ruth Milkman moves between changes in the wider industry and those in the Linden plant, bringing both a workers' perspective and a historical perspective to the study. Milkman finds that, contrary to the assumption in much of the literature on deindustrialization, the Linden buyout-takers express no nostalgia for the high-paying manufacturing jobs they left behind. Given the chance to make a new start in the late 1980s, they were eager to leave the plant with its authoritarian, prison-like conditions, and few have any regrets about their decision five years later. Despite the fact that the factory was retooled for robotics and that the management hoped to introduce a new participatory system of industrial relations, workers who remained express much less satisfaction with their lives and jobs. Milkman is adamant about allowing the workers to speak for themselves, and their hopes, frustrations, and insights add fresh and powerful perspectives to a debate that is often carried out over the heads of those whose lives are most affected by changes in the industry.

Build Your Own Sports Car

Create your own car engine control unit (ECU) with a simple Raspberry Pi while building the necessary skills to produce future more advanced projects. Once you've worked through the projects in this book, you'll have a smart car and the coding knowledge needed to develop advanced hardware and software projects. Start by understanding how the Pi works, and move on to how to build hardware projects, use the GPIO pins, and install the system. Then add to that a solid understanding of software development principles and best practices, along with a good grasp of Python (v3.6+) and Python/software best practices. More than just how to code in Python, you'll learn what it takes to write production grade software, defensive code, testing, deployments, version control, and more. Internalize industry best practices while going further with valuable software development techniques such as defensive programming. The concepts introduced are essential to ensuring that software can function under unexpected circumstances. Can you imagine what would happen if your mobile phone could not cope with a call from an unknown number, or you had to set your microwave in increments of 6 seconds? While testing avoids edge cases such as these, defensive programming is one of the building blocks of software development. What You'll Learn Hone test driven development in Python skills Debug software and hardware project installations Work with the GPIO ports of the Pi to feed your software real-world hardware information Who This Book Is For People who like working on cars and want to learn Raspberry Pi and software development but don't know where to start.

How to Build Motorcycle-engined Racing Cars

Automotive technology.

If I Built a Car

'Adrian has a unique gift for understanding drivers and racing cars. He is ultra competitive but never forgets to have fun. An immensely likeable man.' Damon Hill

Forward Drive

The original contributors, W. I. Boyce-Smith, Edmond Kelly and Hugh Jorgensen, all played a significant role in the design, development and construction of the fiberglass bodied VICTRESS sports car. While the technology of constructing impact resistant lightweight automobile bodies has advanced considerably since this book was first published, many of the exotic materials and composites in use today are beyond the capabilities available to the average home-based "special" builder. However, this comprehensive and informative book, written in easy to understand language, puts the capability of designing and building a custom bodied special within reach of the home-based enthusiast. The principles it contains are just as relevant today as they were some 50 years ago when this book was first written. The design process is clearly explained, the raw materials required are described, and the construction process is presented in an easy-to-follow step by step procedure. Obviously, this book would also be a valuable reference for anyone contemplating repairing, refurbishing or restoring a fiberglass bodied automobile. This edition also includes a 40 page bonus section featuring reproductions of VICTRESS sales literature. Out-of-print and unavailable for many years, this book is becoming increasingly more difficult to find on the secondary market and we are pleased to be able to offer this reproduction as a service to all those automotive "special" builders and enthusiasts worldwide.

Detroit Speed's How to Build a Pro Touring Car

Share in the trials and tribulations of turning a bare frame and wrecked Miata into a racetrack demon, and learn how to build a sports car of your own along the way. This book provides specific answers to common questions and covers the entire building process, including the post-build fine-tuning of the car that is necessary to extract the car's full performance (and fun) potential.

Killer Camera Rigs that You Can Build

Step-by-step guide to building a dream sportscar on a budget. Based on available Ford Sierra mechanical components: use a straight 4 or V8 engine, including Pinto, Zetec or Rover K-Series. All parts available from Tiger Sportscars.

How To Build a Cheap Sports Car

Combining fun and interactive activities, this guide will have kids captivated for hours constructing fantastic racing cars with the basics of only rubber bands, cardboard, and glue. These simple instructions with templates allow budding engineers to gain hands-on experience as they learn not only how to build a basic racer, but how to make modifications such as aluminum foil axle bearings, steering mechanisms, hinges, cam shafts, and wheels made out of old CDs. This helpful resource has step-by-step instructions for making a basic rubber-band model, a railroad push-car, and a high-speed racer. Other unique projects include Oscar the Laughing Clown, which has a jaw mechanism that opens and closes when it moves, and Spot the Dog, which has a moving tail. Children can even learn how to build a rubber band car big enough for a human. Exploring wheels, bearings, and friction, kids will learn not only how to make speedy racers but also the science that makes the process work.

How To Build a Cheap Sports Car

This title shows readers how to build cars they can really power and race, such as a balloon car, a solar car, and many more. Easy-to-follow instructions, handy templates, dynamic photographs, and easily accessible materials make these projects challenging, fun, and highly rewarding!

How to Build Brick Cars

Trends in automotive modification come and go, some outlandish, some practical. Currently, the trend called "Pro Touring," while expensive, definitely leans toward the practical. Originally a term coined for GM cars, the term Pro Touring has come to mean a style of all cars, and many eras. Pro Touring is essentially the art of adding modern technology to aged designs, creating cars that stop, start, handle, drive, and behave just as modern performance cars do. You can do this in many ways and choose from many suppliers. Detroit Speed is at the forefront of the Pro Touring movement. Both a parts manufacturer and car builder, the company is in a unique position not only to design and manufacture parts, but to build cars and test the parts for their effectiveness on the street and track. Kyle and Stacy Tucker have put their considerable skill in engineering and market savvy to create a unique company to lead the Pro Touring movement. Not only do you learn about the history of the company and how they design their performance parts, install sections cover front sub-frame assemblies, rear suspension assemblies, wheel tubs, fuel system upgrades, brake upgrades, driveline upgrades including an LS swap, cooling system upgrades, and more. The featured cars are customer builds as well as DSE test cars, which include a host of different Chevrolet products, a 1966 Mustang and a 1969 Charger. Detroit Speed's How to Build a Pro Touring Car is a vital edition to every performance enthusiast's library.

How to Plan and Build a Fast Road Car

If I built a car, it'd be totally new! Here are a few of the things that I'd do. . . . Young Jack is giving an eye-opening tour of the car he'd like to build. There's a snack bar, a pool, and even a robot named Robert to act as chauffeur. With Jack's soaring imagination in the driver's seat, we're deep-sea diving one minute and flying high above traffic the next in this whimsical, tantalizing take on the car of the future. Illustrations packed with witty detail, bright colors, and chrome recall the fabulous fifties and an era of classic American automobiles. Infectious rhythm and clever invention make this wonderful read-aloud a launch pad for imaginative fun.

How To Build a Hot Tuner Car

The tuner car is the new hot rod: a smaller, sleeker, later model, geared up to go faster than the next car. And as always, when going for pumped-up performance and style it's often critical--and difficult--to do it on a budget. That's where this book comes in. How to Build a Hot Tuner Car author Scott Smith tells you all you need to know about how to build a tuner car right, and how to do it without going broke. Beginning with the budget--what can you afford to spend?--Smith offers clear and helpful guidance on finding a good project car, planning its transformation, and making it into the tuner car of your dreams. Every step of the way, he points readers towards great deals--from junkyard swaps and aftermarket bargains to low-cost solutions to building challenges. Exterior, interior, suspension, wheels, engine, driveline--it's all here, from getting the parts to installing them properly. The methods may be innovative, the parts and process may be inexpensive, but the result is still going to be over-the-top.

The Mechanic's Tale

In Build Your Own Kit Car, renowned kit car expert Steve Hole presents a comprehensive guide to planning, managing and executing a kit car build. The first part of the book covers the history of kit cars; detailing the innovations the kit car industry has made in car building technology, and how companies like Westfield and Caterham have become household names. The second half of the book takes you through a full build project, from chassis, brakes, suspension and engine through to trimming and interiors. Other topics include: Types of kit cars, including the differences between kits, replicas and one-off builds; Choosing the right car for you; Budgeting for your build; Setting up your workspace, tools needed and workshop safety; Building techniques; List of useful contacts to help find the best resources

for your kit car build. Whether you are planning on building a blisteringly quick trackday car, classic roadster or eccentric road car, Build Your Own Kit Car has all the resources and information you need to build and enjoy your own unique automotive creation. A comprehensive and instructional guide to planning, managing and executing a kit car build, superbly illustrated with 300 colour photographs. Steve Hole is one of the UK's leading authorities on the world of kit cars and is editor of tkc magazine.

Farewell to the Factory

How to Build Cobra Kit Cars + Buying Used

The all-color practical Build Your Own Sports Car provides all the information needed to build a road-going two-seater, open-top sports car on a budget, using standard tools, basic skills and low-cost materials. The down-to-earth text clearly explains each step along the road to producing a well-engineered, high-performance sports car, providing a learning experience in engineering and design - and opening up a whole new world of fun motoring. The Haynes Roadster, which has fully independent rear suspension, has been designed with the aid of CAD software to develop the chassis and suspension, resulting in a car with performance and handling to challenge many established kit cars and mainstream sports cars. The design is intended to make use of components sourced primarily from a Ford Sierra donor, although alternative donors are mentioned.

How to Build a Successful Low-Cost Rally Car

The tuner car is the new hot rod: a smaller, sleeker, later model, geared up to go faster than the next car. And as always, when going for pumped-up performance and style it's often critical--and difficult--to do it on a budget. That's where this book comes in. How to Build a Hot Tuner Car author Scott Smith tells you all you need to know about how to build a tuner car right, and how to do it without going broke. Beginning with the budget--what can you afford to spend?--Smith offers clear and helpful guidance on finding a good project car, planning its transformation, and making it into the tuner car of your dreams. Every step of the way, he points readers towards great deals--from junkyard swaps and aftermarket bargains to low-cost solutions to building challenges. Exterior, interior, suspension, wheels, engine, driveline--it's all here, from getting the parts to installing them properly. The methods may be innovative, the parts and process may be inexpensive, but the result is still going to be over-the-top.

How to Build Cars

How To Build a Hot Tuner Car

Simple, cost-effective, basic and reliable tips to ensure any rally car stands a chance of reaching the finishing line. If you are planning a road-based rally, don't even think of leaving home before reading this book and implementing the tried and tested mods it describes so well.

Amazing Rubber Band Cars

The ever-escalating cost of building or buying a hot rod is leaving more and more would-be hot rodders behind. This book will get those hopefuls off the sidelines by showing how a hot rod can be built for less than the cost of, say, a new Hyundai. Author Dennis Parks documents his own project--building a quintessentially cool Model T roadster from a "Track-T" kit--showing in step-by-step detail how to turn

a pile of parts into a rockin hot rod. He provides a detailed, easy-to-follow guide for building a car of your own. The advice and instructions cover every aspect of an affordable hot rod build, from establishing the target vehicle and budget, to finding parts, building the car, and fine tuning the finished vehicle on the road. With Parks' money-saving tips and photo-supported how-to sequences, virtually anyone with minimal mechanical skills and the will to use them can be sure of building their hot rod right, and for the right price. The book also includes a full resource guide and recommendations for further reading.

How to Build Your Own Tiger Avon Sports Car for Road Or Track

Trends in automotive modification come and go, some outlandish, some practical. Currently, the trend called "Pro Touring," while expensive, definitely leans toward the practical. Originally a term coined for GM cars, the term Pro Touring has come to mean a style of all cars, and many eras. Pro Touring is essentially the art of adding modern technology to aged designs, creating cars that stop, start, handle, drive, and behave just as modern performance cars do. You can do this in many ways and choose from many suppliers. Detroit Speed is at the forefront of the Pro Touring movement. Both a parts manufacturer and car builder, the company is in a unique position not only to design and manufacture parts, but to build cars and test the parts for their effectiveness on the street and track. Kyle and Stacy Tucker have put their considerable skill in engineering and market savvy to create a unique company to lead the Pro Touring movement. Not only do you learn about the history of the company and how they design their performance parts, install sections cover front sub-frame assemblies, rear suspension assemblies, wheel tubs, fuel system upgrades, brake upgrades, driveline upgrades including an LS swap, cooling system upgrades, and more. The featured cars are customer builds as well as DSE test cars, which include a host of different Chevrolet products, a 1966 Mustang and a 1969 Charger. Detroit Speed's How to Build a Pro Touring Car is a vital edition to every performance enthusiast's library.

How to Build a Racing Car

Build a roadworthy two-seater open sports car for a fraction of the cost of a kit car! Using standard tools, basic skills and low-cost materials, this volume shows you how to make the chassis, suspension and bodywork, and advises you on how to modify and use inexpensive but serviceable mechanical components. Contains sections on improving handling, information on how to get through the Single Vehicle Approval test, and builders' own stories.

Build Your Own Sports Car for as Little as £250 - and Race It!

In the wake of World War II, the U.S. automobile industry was fully unprepared to meet the growing demands of the public, for whom they had not made any cars for years. In stepped Preston Tucker, a salesman extraordinaire who announced the building of a revolutionary new car: the Tucker '48, the first car in almost a decade to be built fresh from the ground up. Tucker's car, which would include ingenious advances in design and engineering that other car companies could not match, captured the interest of the public, and automakers in Detroit took notice. Here, author Steve Lehto tackles Tucker's amazing story, relying on a huge trove of documents that has been used by no other writer to date. It is the first comprehensive, authoritative account of Tucker's magnificent car and his battles with the government. And in this book, Lehto finally answers the question automobile aficionados have wondered about for decades: exactly how and why the production of such an innovative car was killed.

Preston Tucker and His Battle to Build the Car of Tomorrow

Share in the trials and tribulations of turning a bare frame and wrecked Miata into a racetrack demon, and learn how to build a sports car of your own along the way. This book provides specific answers to common questions and covers the entire building process, including the post-build fine-tuning of the car that is necessary to extract the car's full performance (and fun) potential.

Detroit Speed's How to Build a Pro Touring Car

Over the past 100 years the European Automotive Industry has been repeatedly challenged by best practice. First by the United States, through the development of 'mass production' pioneered by Henry Ford and more recently by 'lean production techniques' as practised by the leading Japanese producers, particularly Toyota. It has consistently risen to these challenges and has shown it can compete and even outperform its competitors with world-class products. However, the European industry is now faced with growing competition and growth from new emerging low-cost countries and needs to re-define its competitive advantage to remain at the forefront of the sector. Automotive growth is driven by two factors, new markets and new technologies. Global competition is increasing, with technology and product differentiation becoming the most important sales factors, but with continued cost pressure. Within the market the winners will be more profitable and the losers will disappear. The Automotive Industry makes a significant contribution to the socio-economic fabric of the European Union. Manufacturing output represents €700 billion and research and development spending €24 billion. European automotive suppliers number 5000 member companies and represent 5 million employees and generate €500 billion in revenues. These are significant figures that generate wealth and high value employment within the EU. European firms must consistently improve their competitive position to ensure that the industry does not migrate to growing new markets.

The R/C Car Bible

Essential reading for anyone interested in life behind-the-scenes at Formula One. Formula One Grand Prix mechanic Steve Matchett takes the reader on a compelling journey through his life in the pit-lane, from his beginnings as a young apprentice, through his time at Ferrari and BMW to his later success with Benetton. He gives eye-witness views of the great drivers, including Michael Schumacher, Nigel Mansell, Alain Prost and Ayrton Senna. He also talks of key Benetton personalities, and explains how the team was transformed into a strong, competitive organisation, winning three World Championships. His determination and frustration in trying - and eventually succeeding - to break into the high-pressure world of Formula One leaps off the page.

The Mechanic

Zoom into the world of LEGO bricks with amazing dream cars! If you're a fan of beautiful design and iconic cars, this book will give you creative ideas on how to build your dream cars from LEGO. The instruction book includes full-color photos and easy step-by-step directions for each model. QR codes will direct you to video instructions online for each build as well. Zoom into the world of LEGO art.

How to Build a Cheap Hot Rod

Eli, Phoebe, and Hank once again join forces to build another miniature vehicle--a motorcycle! How to Build a Motorcycle continues the Technical Tales series, where a group of three unlikely friends--a rat, a sparrow, and a frog--come together to build another vehicle--a motorcycle! As they start working, they encounter many unexpected obstacles, teaching them (and the reader) about the different parts that make a motorcycle work. Detailed illustrations explain the overall functions of the engine, clutch, brakes,

distributors, as well as many other parts of the motorcycle. Through hard work and perseverance, the three friends learn about mechanics and teamwork as they work together to build a miniature motorcycle.

Total Competition

This book is designed for anyone who has ever seen a hot rod and wondered, "How do I build one of those?" Whether you're a newcomer to the hobby or a seasoned, experienced builder, this book covers every aspect of building a hot rod from start to finish. Author Dennis Parks helps the reader select the right vehicle to build and leads them through the process of making it happen. He answers basic questions and sheds light on the entire process of building a hot rod with lots of no-nonsense advice for any degree of builder.

How to Build Tiger Avon Or GTA Sports Cars for Road Or Track

How to Build Brick Cars shows you how to build tons of contemporary and classic sports cars entirely out of the world's favorite building block. Ladies and gentlemen, boys and girls, start your engines and bust out your bricks! How to Build Brick Cars is here for the inner creative person in us all. Featuring over a dozen fully realized builds of classic and contemporary sports cars, race cars, and muscle cars, How to Build Brick Cars features a range of levels to challenge both LEGO newbies and the veteran block-slingers far and wide. Readers will find detailed, full-color illustrations and step-by-step instructions for such classic and contemporary vehicles like: 1932 Ford V-8 Roadster Datsun 240Z 2016 Le Mans Ford racer Ferrari 250 GT California Jaguar E-Type coupe and convertible Ford F150 Raptor Bugatti Veyron Porsche 911 Featuring informative and historical text about each car and designed exclusively by Ford Motor Company vehicle designer Peter Blackert, How to Build Brick Cars will keep you busy from the flip of the first page to the end of the race track!

How to Build a Hot Rod

Simple, cost-effective, basic and reliable tips to ensure any rally car stands a chance of reaching the finishing line. If you are planning a road-based rally, don't even think of leaving home before reading this book and implementing the tried and tested mods it describes so well.

How to Build a Motorcycle

Learn about car mechanics and teamwork as three unlikely friends work to build a miniature racer. In How to Build a Car, three unlikely friends--Eli, a mouse; Phoebe, a sparrow; and Hank, a frog--decide to build a small motorcar together. The story follows the friendly trio as they learn all about how a car works and how it is constructed. Detailed illustrations show the inner workings of the car, teaching children the basics of how each part works together to get the car moving. Through hard work and perseverance, Eli, Phoebe, and Hank learn about both car mechanics and teamwork as they build a miniature racer. With the help of this sweet story, children will learn the different parts and functions of a car.

How to Build a Pedal Car

Total Competition is the most compelling, comprehensive and revealing insight into what it takes to get to the top in Formula One that has ever been published. Across four decades, Ross Brawn was one of the most innovative and successful technical directors and then team principals in Formula One. Leading

Benetton, Ferrari, Honda, Brawn and Mercedes, he worked with drivers such as Michael Schumacher, Jenson Button and Lewis Hamilton to make them world champions. In 2017, he was appointed F1's managing director, motor sports, by the sport's new owners Liberty Media. Now, in this fascinating book written with Adam Parr (who was CEO and then chairman of Williams for five years), he looks back over his career and methods to assess how he did it, and where occasionally he got things wrong. Total Competition is a definitive portrait of modern motorsport. In the book, Brawn and Parr explore the unique pressures of Formula One, their battles with Bernie Ecclestone, and the cut-throat world they inhabited, where coming second is never good enough. This book will appeal not only to the millions of Formula One fans who want to understand how Brawn operates, it will also provide many lessons in how to achieve your own business goals. 'A must-have insight into the awe-inspiring career of a true motor racing great' Daily Express

Build Your Own Car Dashboard with a Raspberry Pi

An automotive and tech world insider investigates the quest to develop and perfect the driverless car—an innovation that promises to be the most disruptive change to our way of life since the smartphone. We stand on the brink of a technological revolution. Soon, few of us will own our own automobiles and instead will get around in driverless electric vehicles that we summon with the touch of an app. We will be liberated from driving, prevent over 90% of car crashes, provide freedom of mobility to the elderly and disabled, and decrease our dependence on fossil fuels. Autonomy is the story of the maverick engineers and computer nerds who are creating the revolution. Longtime advisor to the Google Self-Driving Car team and former GM research and development chief Lawrence D. Burns provides the perfectly-timed history of how we arrived at this point, in a character-driven and heavily reported account of the unlikely thinkers who accomplished what billion-dollar automakers never dared. Beginning with the way 9/11 spurred the U.S. government to set a million-dollar prize for a series of off-road robot races in the Mojave Desert up to the early 2016 stampede to develop driverless technology, Autonomy is a page-turner that represents a chronicle of the past, diagnosis of the present, and prediction of the future—the ultimate guide to understanding the driverless car and navigating the revolution it sparks.

Build To Order

The Shelby Cobra is one of the most legendary sports cars in automotive history. Only about 1,000 of the original Cobras were ever built, and many enthusiasts wanted to own and drive one of these ultimate sports cars yet could not afford to.

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