

## 101 Sportbike Performance Projects

*DIY*Turn your daily driver, weekend fun ride, or track car into a corner-carving performance machine. From planning a course of modifications to installing parts to tuning handling characteristics, *High-Performance Handling for Street or Track* will have you cranking out high-g cornering forces on your favorite twisty course. Topics covered in *High-Performance Handling for Street or Track* include:• An overview of vehicle dynamics• How to tune handling for differing applications• Guidance for selecting aftermarket components, including anti-roll bars, springs, shocks, bushings, chassis braces, camber adjusters, wheels, and brakes• Tire and wheel selection advice• Case-study projects Whether you're building a high-performance street car, an autocrosser, or a track-day machine, *High-Performance Handling for Street or Track* will help you create an integrated suspension system and tune it for maximum performance.*div*

Many of the most popular cars of the muscle era came from General Motors. Spread across the General's various marques were models like the Camaro, Chevelle, GTO, Cutlass, Skylark, Tempest, Impala, Monte Carlo, El Camino, and many others. This book will provide 101 hands-on, how-to projects aimed directly at fans of classic GM muscle, showing them how to do just the kinds of projects that they want to do: restoration of the exterior and interior, and performance upgrades to the engine, driveline, and suspension.The existence of many large aftermarket companies provides evidence of the vast potential audience for this book. Restoration and performance part companies like Year One, National Parts Depot, Summit Racing, Jags, and Original Parts Group count on this audience to provide a large portion of their business. For example, Original Parts Group, which specializes exclusively in parts for GM A-body muscle cars, sells an average of \$100,000 worth of parts each day. Primedia alone has six magazines that serve this crowd (Hot Rod, Car Craft, Chevy High Performance, High Performance Pontiac, Popular Hot Rodding, Super Chevy) with a combined circulation of 1.7 million readers per month.Like the 101 series books before it, this book provides an immense quantity of do-it-yourself projects that are accessible to the at-home mechanic who has a good set of hand tools and a place to work. Procedures will be performed on specific GM cars of this era, which differed more in sheetmetal and trim than in the functional components, which were often similar or identical from car to car.

*DIW*When it comes to collector motorcycles, none hold the allure of the classic Harley-Davidson Big Twins built from 1936 to 1964. But owning and maintaining these tempermental machines provides endless challenges. Even the most pristine, restored example needs a tremendous amount of care, maintenance, and repair. The rebuilding and restoring of these machines is not so much a defined task as a never-ending process. This book serves to guide owners through that process.*div* Beginning with a practical section on understanding, choosing, and purchasing a classic Harley, this book focuses on the nuts and bolts of classic Harley ownership. Through step-by-step photography and thoughtful, informative instruction, the reader will learn how to disassemble a chassis, rebuild a fork, lace a wheel, and paint the major parts for any restoration. It also provides thorough instruction on repairing, overhauling, and restoring all major components, such as the engine, transmission, and electrical system.

This BMW twins restoration guide covers all flat twins from 1955 through1985. These bikes are sought out worldwide and are restored and ridden by enthusiasts who love their heritage as well as their look, sound, and feel on the road. It's an invaluable guide to the many engineering redesigns, technical modifications and restyling exercises carried out on the horizontally-opposed, twin-cylinder BMW motorcycles over thirty years.

[How to Repair Your Scooter](#)

[How to Repair Your Motorcycle](#)

[101 Harley-Davidson Twin-Cam Performance Projects](#)

[Billy Lane's How To Build Old School Choppers, Bobbers, and Customs](#)

[How to Restore and Customize Auto Upholstery & Interiors](#)

[Autocross Performance Handbook](#)

[Mazda MX-3 M3a](#)

[How To Build Your Dream Garage](#)

[101 Sportbike Performance Projects](#)

DIYThis thorough how-to manual helps the off-road motorcycle enthusiast get the most out of their machine. This one-stop reference covers everything from basic maintenance to performance modifications, including: • Engine rebuilding• Transmission rebuilding• Clutch repair and rebuilding• Big-bore kits• Cam kits and valve timing and tuning• Tuning stock suspension• Suspension revalving and kits• Jetting and tuning carburetors• Tuning electronic fuel injection• Wheels, tires, and brakes• Chains and sprockets• Cooling systems • Electrical systems/*div*

This informative book covers the entire spectrum of sportbike projects and is the perfect workshop companion for beginner, intermediate, and advanced riders. Sportbikes are the best-selling motorcycle in the world, and they are also the most modified. The vigorous riding that most of these bikes are subject to lends itself to project after project, with bodywork being front and center. Written by a formidable sportbike expert, 101 Sportbike Performance Projects is an invaluable reference for riders of all levels of interest and mechanical skill and takes readers step-by-step through the most important and popular modifications.

Clear, step-by-step lessons from the master in the technology and techniques of airbrush art for any vehicle or surface.

Many people modify their Harley-Davidson engines—and find the results disappointing. What they might not know—and what this book teaches—is that emphasizing horsepower over torque, the usual approach, makes for a difficult ride. Author Bill Rook has spent decades perfecting the art of building torque-monster V-twin Harley engines. Here he brings that experience to bear, guiding motorcycle enthusiasts through the modifications that make a bike not just fast but comfortable to ride. With clear, step-by-step instructions, his book shows readers how to get high performance out of their Harleys—and enjoy them, too.

[How to Paint Your Show Car](#)

[Find It, Fix It, Trick It](#)

[VW GTI, Golf, Jetta, MK III & IV](#)

[The Complete Guide to Auto Body Repair](#)

[Weekend Projects for Your Mustang, 2005-Today](#)

[Yamaha YZF & YZF Performance Projects](#)

[Harley-Davidson Sportster Performance Handbook, 3rd Edition](#)

[High-Performance Handling for Street or Track](#)

Volkswagen's GTI, Golf, and Jetta are long-time favorites among sport-compact performance enthusiasts. With engines ranging from the 2.0 liter naturally-aspirated four-cylinder to the 1.8 liter turbo 4 to the VR6, the Mk III and Mk IV generations (1993-2004) offer tuners a wealth of opportunities. This book turns these opportunities into realities, from deciding which vehicle to buy, to keeping it running in tip-top condition, to enhancing the performance and appearance of your VW. Focusing on the engine, wheels and tires, suspension, body kits, interiors, and more, each project includes straightforward instruction along with details about the necessary parts, cost, time, and skill.If you want to get the biggest bang for your VW buck, this book is your road map.

101 Sportbike Performance ProjectsMotorbooks

For Harley-Davidson aficionados, the very name Sportster conjures an image of a fire-breathing mechanical beast scorching the world's tarmacan image the Sportster itself often does not live up to. Straight from the factory, in its standard form, the Sportster routinely proves an entry-level motorcycle providing a relatively tame ride. This book aims to change all that and to show every Sportster rider how to free the beast in his or her bike. With expert, detailed advice on the proper mechanical massaging and plenty of helpful diagrams and photos this updated, third edition of Buzz Buzzelli's best-selling handbook shows how the Sportster can be transformed into the superbike of old. Including a history of the Sportster from its birth in 1957 to the recent introduction of a new engine (only the third in its long life), this book has everything it takes to open up the gates of hell and give the Sportster its head.

Drivers buy more wheels and tires for their cars and trucks than any other aftermarket accessory. This book is a comprehensive source for wheel and tire information. Whether you want to know how your wheels and tires actually work and how they affect vehicle performance, or whether you just need advice as to what best suits your vehicle, this book provides the information you are looking for. This book covers daily use and competition cars and trucks, including off-road, circle track, drag, autocross, rally, and show vehicles. Beginning with a chapter on vehicle dynamics, with explanations of center of gravity, slip angle, yaw, roll, and pitch. Author Richard Newton then moves on to general information about tires and wheels—from materials and construction to use and maintenance. He also explores how this general information applies to specific types of vehicles, using pertinent examples throughout.

[Motorcycle Fuel Injection Handbook](#)

[How to Build Ford Flathead V-8 Horsepower](#)

[How to Plate, Polish, and Chrome](#)

[Race Tech's Motorcycle Suspension Bible](#)

[Calvin Wan's Drifting Performance Handbook](#)

[Honda CRF Performance Handbook](#)

[How to Use Automotive Diagnostic Scanners](#)

[Motorcycle Touring](#)

[Garage and Workshop Gear Guide](#)

**Presents step-by-step instructions for repairing and maintaining the mechanical and electrical systems of motor scooters.**

**This book provides detailed coverage of upholstery and interior options, including the variety of materials, projected costs, tools used, and more.**

**As cool as classic muscle cars might be, they're only as good as the automotive technology of their era. That's where this book comes in. With clear, easy-to-follow instructions, this guide shows how to give your car all the muscle of today while preserving the classic styling of your muscle car. In this updated and fully illustrated edition of his popular handbook, veteran overhauler and automotive writer Jason Scott takes readers through the step-by-step improvements that will add more power, style, and handling capability to any classic muscle car. Full-color photos accompany Scott's detailed instructions, covering bodywork and interior restoration, engine enhancements, transmission and axle swaps, suspension, steering, chassis and brake upgrades as well as many other changes that will restore-or maintain-a muscle cars identity while making it perform as if it were built only yesterday.**

**If you're looking for ways to keep up with the pack - or blow right past them - this book has 101 of them. Boost the performance of your Harley-Davidson's Twin-Cam engine with 101 projects broken out by each specific aspect of the motorcycle, including engine, suspension, transmission, exhaust, brakes, and body. Hundreds of photos and diagrams take you step-by-step through each project making it a breeze to keep other riders in your rearview mirror.**

[Nitrous Oxide Performance Handbook](#)

[Wheel and Tire Performance Handbook](#)

[How to Build a Harley-Davidson Torque Monster](#)

[How to Restore Your BMW Twin, 1955-1985](#)

[Suzuki GSX-R Performance Projects](#)

[How to Custom Paint Your Car](#)

[The Small-Engine Handbook](#)

[How to Ride a Motorcycle: A Rider's Guide to Strategy, Safety and Skill Development](#)

[How to Master Airbrush Painting Techniques](#)

Motorcycle Maintenance.

This is a follow-up and companion to the successful How to Build a Flathead Ford V-8. This new edition describes the build-up of a 1946-1948 model 59 engine with a 4-barrel carburetor, a blown French flathead engine, and a blown Arduon engine-designed for street use. Many French flathead engines have been purchased by flathead lovers in the United States. There is a strong demand for those engine blocks, and the purchasers are desperate for any build-up information. The popularity of the Arduon is amazing, and this second volume contains a load of new information about the Arduon, as well as information and photographs of the latest flathead goodies, such as crankshafts, connecting rods, intake manifolds, and cylinder heads.

[101 GM Muscle Car Performance Projects](#)

[How to Rebuild and Restore Classic Harley-Davidson Big Twins 1936-1964](#)

[How To Use Implements on Your Small-Scale Farm](#)

[Four-Stroke Motocross and Off-Road Performance Handbook](#)

[How to Rebuild and Modify Your Muscle Car](#)