

Mustang 5 0 Performance Projects

Hundreds of photos, charts, and diagrams guide readers through the rebuilding process of their small-block Chevy engine. Each step, from disassembly and inspection through final assembly and tuning, is presented in an easy-to-read, user-friendly format.

Offers formulas and equations for calculating brake horsepower and torque, displacement, stroke, bore, compression ratio, and more

Learn how to rebuild a Volkswagen air-cooled engine! This guide will teach the reader how to troubleshoot, remove, tear down, inspect, assemble, and install Bug, Bus, Karmann Ghia, Thing, Type-3, Type-4, and Porsche 914 engines. All models from 1961 on up are included.

With more than 3 million current generation Mustangs built since 1987, this fully illustrated guide shows everything an owner needs to know to modify the Mustang for maximum performance.

Pro Methods for Improved Handling, Safety and Performance

How to Build a Harley-Davidson Torque Monster

How to Pinstripe

Ground-Up or Sectional Restoration Tips & Techniques for 1967 to 1981 Camaros

Autocross Performance Handbook

How to Restore 1949-1967 VW Beetles to Original Factory Condition

How to Hot Rod Small-block Mopar Engines

To make your car handle, design a suspension system, or just learn about chassis, you ' ll find what you need here. Basic suspension theory is thoroughly covered: roll center, roll axis, camber change, bump steer, anti-dive, ride rate, ride balance and more. How to choose, install and modify suspensions and suspension hardware for best handling: springs, sway bars, shock absorbers, bushings, tired and wheels. Regardless of the basic layout of your car—front engine/rear drive, front engine/front drive, or rear engine/rear drive—it is covered here. Aerodynamic hardware and body modifications for reduced drag, high-speed stability and increased cornering power: spoilers, air dams, wings and ground-effects devices. How to modify and set up brakes for maximum stopping power and handling. The most complete source of handling information available. " Suspension secrets " explained in plain, understandable language so you can be the expert.

Provides instruction in installing turbochargers, surveys the design, manufacture, and testing of turbocharger kits, and explains the economy and other advantages of turbocharging small engines

Camaro fever is sweeping the country! And with the help of the Camaro Restoration Handbook, you can restore your 1967 through 1981 Camaro either piece by piece, or from the ground up. Authors Tom Currao and Ron Sessions detail the complete restoration process necessary to turn any street-beaten Camaro into a true show winner. With over 500 photos and drawings, it ' s the most complete Camaro restoration resource available. Plus, you ' ll find chapters on year-by-year identification and model changes, disassembly, electrical wiring, interior and door reconditioning, convertible, and vinyl top repair. Also included are details on rebuilding suspensions, steering, brakes, and sheet metal repair. Procedures for body prep and paint, gauges, driveline reconditioning, subframe repair, and what to do after the restoration are fully illustrated. A complete Interior/Exterior color chart is an added bonus. The Camaro Restoration Handbook is the answer to your dream of a restored vintage Camaro. What are you waiting for?

A basic guide to drag racing's most popular and fastest growing class. Includes information on: rules and regulations, driving techniques, engine setup, safety, and more.

Metal Fabricator's Handbook

High Performance Engine Building and Tuning for Street and Racing

Holley Carburetors, Manifolds & Fuel Injections

Weekend Projects for Your Mustang 2005-Today

Chassis Engineering

How to Form and Shape Sheet Metal for Competition, Custom and Restoration Use

In most forms of racing, cornering speed is the key to winning. On the street, precise and predictable handling is the key to high performance driving. However, the art and science of engineering a chassis can be difficult to comprehend, let alone apply. Chassis Engineering explains the complex principles of suspension geometry and chassis design in terms the novice can easily understand and apply to any project. Hundreds of photos and illustrations illustrate what it takes to design, build, and tune the ultimate chassis for maximum cornering power on and off the track.

Fully illustrated sections include how to detail for show competition, the latest in detailing technology, products and equipment, setting up an auto detailing business, and more.

All of the information in this valuable companion guide is presented in terms easy to understand. Packed with general tips, techniques, and procedures that can be applied to all types of engine building, whether for musclecars, classics, hot rods, powerboats or all-out race cars. Sections covered include: · Blueprinting · Machining · Reconditioning short blocks ·

Degreeing camshafts · Reconditioning cylinder heads · Vavetrain assembly · Measuring tools · Engine assembly

Learn how Webers work and what to change for improved performance. Comprehensive chapters include carburetion basics and Weber carburetor design, selecting and installing correct Weber setup for your engine, tuning for maximum performance, and rebuilding Weber carburetors. Select, install and tune Weber sidedraft and downdraft carburetors for performance or economy. Also includes theory of operation and design, troubleshoot, and repair.

Practical Fabrication and Assembly Techniques

How to Rebuild Big-Block Mopar Engines

How to Rebuild Your Volkswagen Air-Cooled Engine

Big-Block Mopar Performance

High-Performance Handling for Street or Track

Select, Install & Tune Weber Sidedraft & Downdraft Carburetors for Performance or Economy

High Performance Modifications for 5.04/4.6 Liter Mustangs

Provides tips and techniques for constructing the body, chassis, powertrain and drivertrain, and interior, and covers all aspects of planning a project

The book is a mixutre of theory and how-to. The theoretical parts will help you decide what types of goods are appropriate for composite construction, and how to design them; the how-to sections are sufficiently detailed that even a novice should be able to successfully fabricate those goods.

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.

Includes in-depth instructions on: engine tech, exhaust, fuel systems, manual and automatic transmissions, suspension, interior, body and exterior, nitrous and supercharging, and much more.

Harley-Davidson Sportster Performance Handbook, 3rd Edition

Fabrication Techniques for Race, Custom, & Restoration Use, Revised and Updated

Weber Carburetors

How to Wire Your Car from Scratch

Camaro Restoration Handbook

An Enthusiast's Guide to High Performance Non-metallic Materials for Automotive Racing and Marine Use

How to Make Your Car Handle

DIVTurn 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

Winner of the prestigious Moto Award for "Best Technical How-to Book" in 1984, the Metal Fabricator's Handbook applies master metal craftsman Ron Fournier's unique metal fabricating skills—developed during years of building Indy cars, drag racers, stockers, custom show cars, and sports GT race cars. Covers MIG, TIG, arc- and gas-welding, fuel and oil tanks, exhaust headers, and much more.

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, Jegs, 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.

When Chrysler introduced the 350 and 361 "B" series of engines in 1958, they launched a legacy of performance that sparked the muscle car war of the sixties and early seventies. Within a few years, these engines evolved into the famed 426 Hemi, 413 Max Wedge and 440 Six-Pack. Dubbed "elephant motors" by enthusiasts, racers, and hot rodders alike, these big-blocks ruled the streets in Barracudas, Challengers, Furrys, and Chargers. They were also used in a wide variety of other Chrysler, Dodge, and Plymouth cars and trucks. How to Rebuild Big-Block Mopar Engines is a comprehensive hands-on guide to rebuilding these motors to factory specifications. Included are fully illustrated, step-by-step sections that cover the entire engine rebuilding process, from inspection, removal, and disassembly, to machine shop work, reconditioning, assembly, installation, and tune-up. Collectors and restorers who rely on correct casting numbers for authenticity will find the parts identification and interchange information to be invaluable. Written in an easy-to-understand and easy-to-follow format, this is an essential resource needed by any serious Mopar fan.

Yamaha YZF & WRF Performance Projects

Fiberglass & Composite Materials

The Car Builder's Handbook

Calculations, Formulas, Equations and Theory for Automotive Enthusiasts

Engine Builder's Handbook HP1245

The Camaro Performance

Mazda MX-5 Miata

Imagine transforming a flat sheet of aluminum alloy into an attractive hood scoop. Or designing and making your own aluminum wheel tubs, floorpan and dashboard for your street machine. How about learning to design and build your own body panels, manifolds, brackets and fuel tanks? These are just a few of the many tips and techniques shared by master metal craftsman Ron Fournier. Author of HP's award-winning Metal Fabricator's Handbook, Fournier packs decades of experience designing and shaping sheet metal components for Indy cars, drag race cars, road racers, street rods and street machines into 144 pages. You'll find tips on: · Setting up your own shop · Selecting and using basic hand tools · Proper use of English wheels, beaders, rollers, brakes and power hammers · Pattern design and proper sheet metal selection · Basic metal shaping techniques · The art of hammer forming · Proper riveting techniques · And finally, tips on restoring original sheet metal Whether you're restoring a '32 Ford, constructing a race car, building a show-winning street rod or street machine, or perhaps developing your skills for work in the metal industry, you'll find the information in this book invaluable, and a perfect addition to any home automotive library.

Now revised and completely updated, Holly Carburetors, Manifolds & Fuel Injection gives you the inside edge on how to use Holley products for maximum performance or economy. Comprehensive sections include: Carburetion basics & Holley operation; selecting and installing the "right" carburetor and manifold; theory, operation, and installation of Pro-Jection fuel injection; tuning for maximum performance; designating a fuel system; alcohol modifications; troubleshooting and repair, and more! Over 500 photos, illustrations, charts and diagrams guide you through principles of induction that can be applied to any engine. Included are street, drag strip, road racing, circle track and marine applications.

Practical Fabrication and Assembly Techniques guides enthusiasts through the most essential processes for assembling a high-performance engine, car, or motorcycle. Tasks like fabricating mounts for fuel pumps or ignition boxes, selecting fasteners and hardware for securing components, and plumbing brake and fuel systems are among the many topics covered.

John Lingenfelter has been building, racing, and winning with small-block Chevy engines since 1972, when he arrived on the drag racing scene. This book offers many of his trademark power-producing techniques that have led to victory on the drag strip as well as on the Bonneville salt flats, where he set top speed records in his class.

How to Rebuild and Modify Your Muscle Car

Sheet Metal Handbook

Mustang Performance Tuning

Turbochargers

Chassis and Suspension Modifications for Street, Strip, and Road Racing Use for All Models of the Ford Mustang, 1979 to Present

A Complete Car Care Guide for Auto Enthusiasts and Detailing Professionals

Bracket Racing

When it ' s time to wire your car, whether it ' s a restoration project, race car, kit car, trailer, or street rod, don ' t be intimidated; wire it yourself. Jim Horner shares his years of experience and cuts through the technical jargon to show you how. Learn about basic electrical theory, how various electrical components work and drawing circuit diagrams. Includes tips on using electrical test equipment and troubleshooting electrical circuits. Choose the right components, build your own wiring harness, and install them by following the step-by-step instructions. Profusely illustrated with over 350 photos, drawings, and diagrams. Suppliers list included.

Even before the heyday of Von Dutch and Big Daddy, the ultimate way to personalize your car or motorcycle was to lay some wicked lines on top of the paintwork. Done with a steady hand and an eye for style, pinstripes speak volumes. In How to Pinstripe, acclaimed veteran striper Alan Johnson teaches you everything you need to know to get started, to further your mastery of the form, or to simply understand how a good design comes together. Following a primer on the history and evolution of pinstriping, this book launches into a step-by-step guide to the pinstriping process--from choosing paint and brushes that suit your style and abilities, to preparing surfaces, experimenting with symmetrical and asymmetrical designs, striping freehand, and using grids and patterns. While stressing the importance of finding your own style and having fun with the hobby, Johnson also explains the basics of color theory and unique considerations for antique and classic cars, hot rods and customs, and motorcycles. For more advanced pinstripers, theres also tried-and-true advice on apprenticing and working car shows. Illustrated with color photography throughout, How to Pinstripe is the perfect source for beginners and veterans alike.

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.

Weekend Projects for Your Mustang 2005-TodayMustang 5.0 ProjectsPerformance and Upgrade How-To's for 1979-1995 5.0 MustangsPenguin

1001 High Performance Tech Tips

Troubleshooting, Removal, Disassembly, Reconditioning, Assembly, Installation & Tune-Ups

How to Rebuild Your Engine to Original or Improved Condition

Auto Math Handbook

VW Beetle Restoration Handbook

Performance and Upgrade How-To's for 1979-1995 5.0 Mustangs

How to Rebuild Your Small-Block Chevy

Restoring 1949-1967 VW Beetles to original factory condition in the simplest, most cost-effective way possible is the goal of this illustrated guide. Sections include tear-down of the unrestored vehicle, part evaluation and buying, engine rebuilding and restoring, vintage accessories, and more.

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.

Hundreds of thousands of racing enthusiasts rely on this essential guide for building a race-winning, high performance big-block Mopar. Includes detailed sections on engine block preparation, blueprinting and assembly.

A collection of brief, informative, how-to tips from performance experts designed for the enthusiast or racer, this book offers helpful secrets, suggestions, techniques, and hints to help solve common problems and generally enhance all areas of a car's performance. 400+ photos.

Garage and Workshop Gear Guide

Automotive Electrical Handbook

The Mustang Performance Handbook

Tips and Techniques for Builders of Kit Cars and Street Rods

How to Troubleshoot, Remove, Tear Down, Inspect, Assemble & Install Your Bug, Bus, Karmann Ghia, Thing, Type-3, Type-4 & Porsche 914 Engine

Mustang 5.0 Performance Projects

How to Select, Install, Tune, Repair and Modify Fuel System Components for Street and Racing Use, Revised and Updated Fourth Edition

Information for the performance enthusiast on hot rodding the Chrysler mopar small-block engine imparts guidance, instruction, and illustrations

This guide covers how to strengthen and modify the chassis and suspension of the Mustang for better cornering and accelerating, in step-by-step, photographic detail. Sections include frame stiffening, building suspensions, bolt-on kits, roll cages, and more. Photos and drawings.

Mustang 5.0 Projects

John Lingenfelter on Modifying Small-Block Chevy Engines

Chassis Design, Building & Tuning for High Performance Cars

101 GM Muscle Car Performance Projects

High Performance and Racing Modifications for B and RB Series Engines

Automotive Detailing