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*How to Rebuild Big-Block Chevy Engines*  
Motorbooks

International  
How to Build the  
Small Block  
Chevrolet is a  
quality, step-by-  
step Workbench Book  
that shows you how  
to build a street  
or racing small-  
block Chevy in your  
own garage.

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Includes hundreds of photos and easy-to-read text that explain every procedure a professional builder uses to assemble an engine from crankshaft to carburetor.

Detailed sections show how to disassemble a used engine, inspect for signs of damage, select replacement parts, buy machine work, check critical component fit, and much more!

### How to Hotrod Small-Block Chevys Penguin

This step-by-step guide to rebuilding LT1 small-block Chevy engines includes sections on disassembly and inspection, reconditioning

the block and bottom end, reconditioning and rebuilding the cylinder heads, fuel injection systems, and exhaust.

### How to Build & Modify Chevrolet Big-block V-8 Engines

 Penguin

The editors of Chevy High Performance magazine combine their knowledge in this step-by-step guide to big-block Chevy engine buildups—from low-budget engine projects for mild street

performance, to all-out race motors for drag strip action. Bolt-on modifications, engine block prep, cylinder heads, intake and exhaust systems, dyno-tested combinations, and more are covered in detail

### How to Hotrod Big-Block Chevys

 Penguin

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The small-block Chevrolet is easily the most popular V-8 engine ever built. It was introduced in 1955, and remained in production until the mid-1990s, powering legendary cars such as the 1955-1957 Chevys, Camaros, Impalas, Novas, Chevelles, and of course, the most popular sports car of all time, the Corvette. Of course, whether restoring or modifying one of these classics, the time comes when your small-block Chevy needs rebuilding. This updated version of **Small-Block Chevrolet: Stock and High-Performance Rebuilds** is a quality, step-by-step Workbench book that shows you how to rebuild a street or racing small-block Chevy in your own garage. It includes more than 600 color photos and easy-to-read text that explains every procedure a

professional builder uses to assemble an engine, from crankshaft to carburetor. Detailed sections show how to disassemble a used engine, inspect for signs of damage, select replacement parts, buy machine work, check critical component fit, and much more! Performance mods and upgrades are discussed along the way, so the book meets the needs of all enthusiasts, from restorers to hot rodders. **Small Block Chevrolet: Stock and High-Performance Rebuilds** is a must-have for every small-block Chevy fan. **Chevy LS Engine Conversion Handbook HP1566** Motorbooks From workhorse to racehorse, the big-block Chevy provided the power demands of the mid-'60s. used in everything from medium-duty trucks to Corvettes, these engines are worth rebuilding. Do it right with this book! Clear, concise text guides you through each engine-rebuilding step. Includes complete specifications

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and more than 500 photos, drawings, charts and graphs. Covers troubleshooting, parts reconditioning and engine assembly. Tells you how to do a complete overhaul or a simple parts swap. One whole chapter on parts identification tells how to interchange parts for improvised durability or performance. Includes comprehensive specifications and casting numbers.

### Small-Block Chevy Performance 1955-1996

Penguin

In our popular Workbench Series, *How to Rebuild the Big Block Chevrolet* covers the basics of any engine rebuild in over 450 color photos of step-by-step instruction. Subjects covered include the history of the big block Chevy, preparation and tool requirements, engine removal and teardown, first inspection, parts, machine work and clean-up, final engine assembly, and start-up. This book is essential for not

only enthusiasts looking to rebuild their big-block Chevy, but as a guideline for building performance applications as well.

### How to Tune & Modify Chevrolet TPI Engines

Penguin

Learn how to get the most horsepower out of the tried-and-true small-block Chevy platform in this all-new full-color guide. Whether you are a hot rodder, a custom car owner, or a muscle car guy, you are always going to be looking for the latest and greatest Chevy small-block performance information. This book is a valuable resource on all the latest for the Chevy small-block owner. *How to Build Killer Chevy Small-Block Engines* covers all the major components, such as blocks, crankshafts, rods and pistons, camshafts,

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valvetrain, oiling systems, heads, intake and carburetor, and ignition systems. In addition, this book contains a large section on stroker packages. Also featured are the latest street heads from AFR, Dart, RHS, World Products, and other prominent manufacturers. While the design is more than 60 years old, the aftermarket for this powerplant is still developing. An in-depth, highly detailed example of a popular build format is featured, offering a complete road map to duplicate this sample build. This build achieved over 700hp from 422 cubic inches! While the GM LS engine family has earned a strong following and is currently the hottest small-block in the enthusiast market, the Gen I Chevy small-block engine retains a

strong following with the massive number of these engines still in use throughout the hobby. They are durable, affordable, and a very well-supported platform.

**How to Rebuild the Big-Block Chevrolet** CarTech Inc

"Performance how-to step-by-step video book. covers 262-through 400-ci engines. Includes performance upgrades. Engine removal & installation"--Cover.

[Chevrolet Big-block V-8](#)

[Interchange Manual](#) Penguin

A fully illustrated step-by-step guide to rebuilding big-block Chevys for better-than-stock performance. For millions of Chevy car and truck owners, this is the best and most complete engine rebuilding guide, including informative sections on: Casting numbers and parts ID ? Disassembly ? Cleaning and inspection ? Cylinder block and bottom-end reconditioning ? Cylinder head reconditioning ? Engine specs and clearances ? Step-by-step engine reassembly ?

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Torque values ? OEM part numbers

Big-block Chevy Engine Buildups CarTech Inc

This book shows you how to choose the best cylinder head for your application. It covers both Gen I and Gen II small-block Chevy versions, occasionally touching on the Gen III and Gen IV production versions. This book taps into some of the best small-block Chevy cylinder head resources this country has to offer with a combination of insight and best guesstimates, because much of what we know about port design and airflow management falls under the category of art rather than science.

How to Build Killer Chevy Small-Block Engines

Motorbooks International

The Chevy big-block has been installed in millions of cars and trucks over the past 50 years,

including Camaros, Chevelles, Corvettes, Impalas, and a multitude of trucks. Extracting maximum performance has been the pursuit of engine builders ever since this engine was new in 1964. As a follow-up title to his *How to Build Max-Performance Chevy Big-Blocks on a Budget*, master engine builder David Vizard takes big-block Chevy engine building to the next level and shows how to build these extreme high-performance engines without breaking the bank. It goes well beyond the basic performance techniques and delves into exceptional detail on each component group of the engine. Vizard shows you how to build the ultimate big-blocks for the street: engines that are up to 850 hp on 91-octane pump gas, which is a monumental achievement. The Chevy big-block has been substantially under-valved, and the key to getting the best performance from this engine is to deal effectively with this design limitation. Vizard explains how to minimize intake-valve shrouding, reveals the science behind all cam-timing

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events, and explains how to arrive at the correct valve overlap for maximum efficiency. Vizard also covers the nuances of piston ports, rings, and connecting rods so the rotating assembly is strong and working at its peak. Finally, a special section presents a number of max-performance big-block sample builds. This volume includes a huge range of cutting-edge aftermarket parts and advanced tuning techniques. If you're serious about building a max-performance Chevy big-block engine for the street or track, you owe it to your engine and yourself to include this book in your automotive library.

### **Rebuilding the Small-Block Chevy Penguin**

The venerable Chevy big-block engines have proven themselves for more than half a century as the power plant of choice for incredible performance on the street and strip. They were innovators and dominators of the muscle car wars of the 1960s and featured a versatile design

architecture that made them perfect for both cars and trucks alike. Throughout their impressive production run, the Chevy big-block engines underwent many generations of updates and improvements. Understanding which parts are compatible and work best for your specific project is fundamental to a successful and satisfying Chevy big-block engine build. In *Chevy Big-Block Engine Parts Interchange*, hundreds of factory part numbers, RPOs, and detailed color photos covering all generations of the Chevy big-block engine are included. Every component is detailed, from crankshafts and rods to cylinder heads and intakes. You'll learn what works, what doesn't, and how to swap components among different engine displacements and generations. This handy and informative reference manual lets you create entirely unique Chevy big-block

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engines with strokes, bores, and power outputs never seen in factory configurations. Also included is real-world expert guidance on aftermarket performance parts and even turnkey crate motors. It is a comprehensive guide for your period-correct restoration or performance build. John Baechtel brings his accumulated knowledge and experience of more than 34 years of high-performance engine and vehicle testing to this book. He details Chevy big-block engines and their various components like never before with definitive answers to tough interchange questions and clear instructions for tracking down rare parts. You will constantly reference the Chevy Big-Block Parts Interchange on excursions to scrap yards and swap meets, and certainly while building your own Chevy big-block engine.

*John Lingenfelter on*

*Modifying Small-Block Chevy Engines* CarTech Inc  
How to build small-block Chevy engines for maximum performance. Includes sections on heads, cams, exhaust systems, induction modifications, dyno-tested engine combinations, and complete engine build-ups.

*Small-Block Chevy Marine Performance* CarTech Inc  
A complete performance guide for Chevrolet's newest generation LS1 small-block Chevy engine. Includes sections on bolt-ons, cylinder heads, intake manifolds, camshafts and valvetrain, fuel injection, block prep, final assembly, exhaust, and forced induction.

*Chevrolet Inline-6 Engine 1929-1962* CarTech Inc  
The GM LS engine has revolutionized the muscle car and the high-performance V-8



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market. It has become a favorite engine to swap into classic cars because it offers a superior combination of horsepower, torque, and responsiveness in a compact package. As such, these modern pushrod V-8 engines are installed in vintage GM muscle cars with relative ease, and that includes Chevelles and other popular GM A-Body cars. In fact, General Motors manufactured about 500,000 Chevelles and A-Body cars between 1968 and 1970 alone. Jefferson Bryant, author of *LS Swaps: How To Swap GM LS Engines into Almost Anything*, has performed many LS swaps throughout his career, and has transplanted the LS into several A-Body cars. In this comprehensive guide, he provides detailed step-by-step instructions for installing an LS powerplant into a Chevelle, Buick GS, Oldsmobile Cutlass, and Pontiac GTO. To successfully install an LS engine, you need to select or fabricate motor mounts and adapter plates to mount the engine to the chassis. Also, you need to integrate the electronic engine controls and wiring

harness to the A-Body car. If you run a fuel-injection system, a new tank or high-pressure fuel pump, fuel lines, and related equipment must be installed. Bryant covers all of these crucial steps and much more. He explains essential procedures, time saving techniques, and solutions to common problems. In addition, he performs a new LT swap into an A-Body car. Swapping an LS engine into an A-Body is made much easier with a comprehensive guidebook such as this, whether you plan on doing it yourself or decide to have a shop do it for you. A huge and thriving aftermarket provides a wide range of suspension, brake, steering, chassis, and other parts that produce functional improvements. Before you tackle your LS Swap project, arm yourself with this vital information to guide you through the process. p.p1 {margin: 0.0px 0.0px 0.0px 0.0px; font: 12.0px Arial}

*How to Rebuild Your Small-Block Chevy S-A Design*  
How to build small-block Chevy engines for maximum

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performance. Includes sections on CarTech Inc

heads, cams, exhaust systems, induction modifications, dyno-tested engine combinations, and complete engine build-ups.

### **Swap LS Engines into Chevilles & GM A-Bodies: 1964-1972** CarTech Inc

This new color edition is essential for the enthusiast who wants to get the most performance out of this new engine design but is only familiar with the older Chevy small-blocks.

Covered is everything you need to know about these engines, including the difficult engine removal and installation, simple engine bolt-ons, electronic controls for the Generation III engine, and detailed engine builds at four different power levels.

[Chevrolet Small-Block V-8 Id Guide : Covers All Chevy Small Block Engines since 1955](#)

Chevy's W-series 348 and later the 409 became legends on the street. Recently, the 348s and 409s have enjoyed a high-performance renaissance and many speed manufacturers are making heads, blocks, and virtually every part for these engines.

### [How to Rebuild & Modify Chevy 348/409 Engines](#) CarTech Inc

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 the Small-block Chevrolet HP Trade](#)

The editors of Chevy High Performance magazine combine their knowledge in this step-by-

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step guide to big-block Chevy engine buildups—from low-budget engine projects for mild street performance, to all-out race motors for drag strip action. Bolt-on modifications, engine block prep, cylinder heads, intake and exhaust systems, dyno-tested combinations, and more are covered in detail