

Sportster Tuning Guide

For Harley-Davidson aficionados, the very name Sportster conjures an image of a fire-breathing mechanical beast scorching the world's tarmac 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. 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

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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.

This the only comprehensive source of information available for Harley-Davidson Evolution V-Twin motorcycles. The author and veteran motorcycle mechanic presents interesting history and background, buying guide tips, service and repair information and high- performance tuning tips all in one easy to read companion book. Harley-Davidson's have a well-deserved reputation for quality and owner loyalty. Whether your bike is an FLHS Electra Glide, an XLH Sportster 1200, or a Buell S3T Thunderbolt, Moses Ludel's Harley-Davidson Evolution V-Twin Owner's Bible provides the information necessary to buy, maintain and enjoy your Harley-Davidson for years to come. With his years of experience as a mechanic and automotive writer, Moses Ludel explains dozens of topics such as assessing a pre-owned motorcycle, routine oil and filter changes, drivetrain adjustments, fork and suspension tuning, accessory installation tips, and street legal performance upgrades, all backed up by hundreds of step-by-step procedures with illustrations crucial to owning your Harley, even if you don't work on it yourself.

Keep a veteran mechanic at hand with this updated version of the best-selling manual for Harley-Davidson owners who want

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to hop up their machines. Created with the weekend mechanic in mind, this comprehensive, illustrated guide clearly and concisely outlines 101 projects that will improve the power, handling, and ride of Evolution-engined Harley-Davidson motorcycles. Drawing on years of hopping up and living with Evo-engined Big Twins and Sportsters, author and Harley-Davidson technician Kip Woodring provides step-by-step instructions for projects ranging from the basics of simple maintenance to the finer points of altering gearing, upgrading ignition, and making the changes that make a bike unique. *Harley-Davidson Sportster Performance Handbook, 3rd Edition*

This illustrated guide is packed with interesting facts and follows the history of the famous Harley-Davidson company and the development of its famous bikes, which have earned a special place in the hearts of enthusiasts everywhere. The story dates from 1903 when Bill Harley and the Davidson brothers, with no thought of fame or fortune, decided to build a motorcycle that really worked. So successful was it, that it led to the gradual formation of a company that has survived through good times and bad. Through good times and bad, losing and winning back police contracts, as well as weathering various other vicissitudes, the company has achieved lasting success. In the end, Harley-Davidson came to the ultimate decision of giving its customers what they really wanted, not by providing year-on-year innovations, but by remaining true to the Founders' original concept. The result, as everyone knows, are bikes of mythic status, imbued with a mysterious quality of their own and generating a passion in enthusiasts amounting almost to a love affair. The name has come to personify America and is up there alongside Coca-Cola, Ford and McDonald's. The bikes are described in detail, not only in mechanical terms, but also with glorious photographs, and will be of interest to everyone who

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loves motorbikes: even aficionados of Japanese and European bikes, who have never even ridden a Harley-Davidson, will be able to recognize the unique marriage of style and nostalgia and the fact that there are no other bikes quite like them.

Donny Petersen feels honored to share the wealth of his motorcycle knowledge and technical expertise. He offers the real deal in understanding the Harley-Davidson. He gives workable solutions for whatever ails the 1957 to 1985 H-D (Ironhead) Sportster. Graphics, pictures, and charts guide the reader on a sure-footed journey to a thorough understanding. Donny intersperses the technical explanations with entertaining true stories of the hard core lifestyle of these years including The Wild One, Easyriders, the Birth of Hog, Willie G., Steppenwolf, Evil Knevil, the reviled AMF, 1%ers, and who could forget Elvis Presley. Petersens insight makes technical issues understandable even for the novice. This is the eighth volume of twelve of Donnys technical series. Petersen is the dean of motorcycle technology. Donny examines the theory, design, and mechanical aspects of the Ironhead Sportster. Donny has ridden hundreds of Harleys across four continents doing all of his own roadside repairs. He has acquired his practical knowledge the hard way. Donny Petersen has the privilege of sharing his technical secrets with easy understanding. He will walk you through detailed mechanical procedures concerning the power train, electrical, fuel delivery, ignition, and the gear head favorite subject of oil and lubrication.

Popular Science gives our readers the information and tools to improve their technology and their world. The core belief that Popular Science and our readers share: The future is going to be better, and science and technology are the driving forces that will help make it better.

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modifying their Harley-Davidson engines, making for a difficult ride. Here the author guides motorcycle enthusiasts through the modifications that will make their ride both fast and comfortable.

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