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Since 1991, the popular and highly modifiable Ford 4.6-liter has become a modern-day V-8 phenomenon, powering everything from Ford Mustangs to hand-built hot rods and the 5.4-liter has powered trucks, SUVs, the Shelby GT500, and more. The wildly popular 4.6-liter has created an industry unto itself with a huge supply of aftermarket high-performance parts, machine services, and accessories. Its design delivers exceptional potential, flexibility, and reliability. The 4.6-liter can be built to produce 300 hp up to 2,000 hp, and in turn, it has become a favorite among rebuilders, racers, and high-performance enthusiasts. *4.6-/5.4-Liter Ford Engines: How to Rebuild* expertly guides you through each step of rebuilding a 4.6-liter as well as a 5.4-liter engine, providing essential information and insightful detail. This volume delivers the complete nuts-and-bolts rebuild story, so the enthusiast can professionally rebuild an engine at home and achieve the desired performance goals. In addition, it contains a retrospective of the engine family, essential identification information, and component differences between engines made at Romeo and Windsor

factories for identifying your engine and selecting the right parts. It also covers how to properly plan a 4.6-/5.4-liter build-up and choose the best equipment for your engine's particular application. As with all Workbench Series books, this book is packed with detailed photos and comprehensive captions, where you are guided step by step through the disassembly, machine work, assembly, start-up, break-in, and tuning procedures for all iterations of the 4.6-/5.4-liter engines, including 2-valve and 3-valve SOHC and the 4-valve DOHC versions. It also includes an easy-to-reference spec chart and suppliers guide so you find the right equipment for your particular build up.

Ford was unique in that it had two very different big-block engine designs during the height of the muscle car era. The original FE engine design was pioneered in the late 1950s, primarily as a more powerful replacement for the dated Y-block design. What began as torquey engines meant to move heavyweight sedans morphed into screaming high-performance mills that won Le Mans and drag racing championships throughout the 1960s. By the late 1960s, the FE design was dated, so Ford replaced it with the 385 series, also known as the Lima design, in displacements of 429

and 460 ci, which was similar to the canted-valve Cleveland design being pioneered at the same time. It didn't share the FE pedigree of racing success, mostly due to timing, but the new design was better in almost every way; it exists via Ford Motorsports' offerings to this day. Beginning in 1971, the 429 found its way between the fenders of Mustangs and Torinos in high-compression 4-barrel versions called the Cobra Jet and Super Cobra Jet, and they were some of the most powerful passenger car engines Ford had ever built. If the muscle car era had not died out shortly after the release of these powerful engines, without a doubt the 429 performance variants would be ranked with the legendary big-blocks of all time. In this revised edition of *How to Rebuild Big-Block Ford Engines*, now titled *Ford 429/460 Engines: How to Rebuild*, Ford expert Charles Morris covers all the procedures, processes, and techniques for rebuilding your 385 Series big-block. Step-by-step text provides details for determining whether your engine actually needs a rebuild, preparation and removal, disassembly, inspection, cleaning, machining and parts selection, reassembly, start-up, and tuning. Also included is a chapter in building the special Boss 429 engines, as well as a bonus chapter on the Ford 351 Cleveland, Ford's little brother to the big-block.

The first-generation Mustang is an enduring classic but it was built using 50-year-old technology. These cars use antiquated equipment that includes drum brakes, breaker points ignition systems, and 14-inch steel wheels. The OEM running gear is obsolete by today's standards but all of these Mustangs can turn into high-performance street machines that can compete with late-model Mustangs. While certain special-build and high-performance mod-

els should be preserved, many common V-8 Mustangs can be transformed into high-performance cars that rival the new cars of today. The Mustang can be upgraded and modified into a true driving machine by installing aftermarket suspension, steering, and driveline technology. Mustang expert and former Ford engineer Frank Bohanan explains how to perform simple and important bolt-on upgrades that radically increase performance. He explains the rationale and process of installing a crate engine, big high-performance brake kits, coil-over shocks, tubular A-arms, multi-link rear suspension, and many other projects that increase performance by leaps and bounds. From mild to wild, you are shown how to upgrade each component group in the car by stages according to budget and difficulty. These components include engine, transmission, rear differential, front suspension, rear suspension, steering, chassis, electrics, interior, tires, wheels, and more. By completing these procedures and product installs, you can complete an improved street car, a high-performance street car, or a street/track-day car. No other book provides the same level of information and instruction for transforming the first-generation Mustang into a car that performs with the best on the road today.

If there is one thing Ford enthusiasts have learned over the years, deciphering which Ford parts work with which Ford engines is a far more difficult task than with many other engine families. Will Cleveland heads fit on my Windsor block? Can I build a stroker motor with factory parts? Can I gain compression by using older-model cylinder heads, and will it restrict flow? Is there a difference between Windsor 2-barrel and 4-barrel heads? These are just a few examples of common questions Ford fans have. These

and many other questions are examined in this all-new update of a perennial best seller. Thoroughly researched and, unlike previous editions, now focused entirely on the small-block Windsor and Cleveland engine families, Ford Small Block Engine Parts Interchange includes critical information on Ford's greatest small-block engines and goes into great detail on the highly desirable high-performance hardware produced throughout the 1960s, 1970s, and 1980s. By combining some of the best parts from various years, some great performance potential can be unlocked in ways Ford never offered to the general public. Following the advice in Ford Small-Block Engine Parts Interchange, these engine combinations can become reality. You will find valuable information on cranks, blocks, heads, cams, intakes, rods, pistons, and even accessories to guide you through your project. Author George Reid has once again done extensive research to accurately deliver a thorough and complete collection of Ford small-block information in this newly revised edition. Knowing what internal factory engine parts can be used across the wide range of production Ford power plants is invaluable to the hot rodder and swap meet/eBay shopper. Whether building a stroker Cleveland or a hopped-up Windsor, this book is an essential guide.

If you have a small-block Ford, then you need this book! This detailed guide covers the step-by-step rebuilding process of the popular small-block Ford engine. Parts inspection, diagnosis, reconditioning, and assembly are outlined in simple text. Hundreds of photos, charts, and diagrams visually walk you through the entire rebuild. You'll be able to completely disassemble your engine, recondition the block and cylinder heads, then reassemble and ins-

tall the engine in your vehicle. There's even a section on how to perform tune-ups to maximize performance and economy. Sections on parts interchanging will help you identify all parts and determine which ones can and can't be swapped. This is truly a "hands-on" book. Don't put off your project any longer. Start rebuilding your small-block Ford today!

In the past, restoration guides have provided authenticity information, such as accurate paint codes, badges, wheels, and other equipment. A bona fide hands-on how-to book for restoring your Mustang from the ground up has not been offered for years. This unique guide will cover the restoration process for every major component group and also provide detailed step-by-step restoration information for the most important procedures. With clear, insightful color photography to accompany this how-to information, any at-home restorer can confidently restore a car and save a substantial amount of money in the process. While restomod books have shown how to install latest technology on vintage muscle cars, this book will focus on factory-accurate restorations, and some simple bolt-on upgrades that do not detract from the collector value but rather enhance the reliability and performance of the car. How to Restore Your Mustang 1964-1/2-1973 delivers a detailed explanation for finding the right model, how to assess condition, how to spot a fake, and how to select the right car within your budget. In addition, the book will cover how to plan, prepare, and select the right tools. This unique guide will cover the restoration process for every major component group and also provide detailed step-by-step restoration information for the most important procedures. The latest techniques and best restoration products for each system will be discussed and detailed. Al-

so, the book discusses how to source parts and what you need to consider between new/old stock and reproduction parts. Readers will also learn how to determine if a certain task is best left for a professional shop. All crucial aspects of restoration, including engines, drivelines, body, interior, trim, electrical systems, brakes, steering, and suspension will be profiled.

Author Steve Magnante is well known for his encyclopedia-like knowledge of automotive facts. The details he regularly shares, both in the pages of national magazines and as a contributing host and tech expert at the popular Barrett-Jackson Auctions on television, are the kinds of details that car fanatics love to hear. Many feel that these facts are among the highlights of television auction coverage, much more interesting than the final hammer price. Steve turns his attention to the most popular car in history, the Ford Mustang. In more than 50 years, the Mustang has taken many turns, from the original pony car, to variants that are best described as pure muscle cars, to the misunderstood Mustang II, to the Fox-Body platform that revived the brand, all the way to the modern Coyote- and Voodoo-powered supercars. Magnante covers them all here, generation by generation, so that Mustang fans of any generation are sure to love this collection. Whether you're an avid fan of all Mustangs, a trivia buff who wants to stump your friends, or have a particular affinity for a particular era of Mustangs, this book is an informative and entertaining collection of facts from one of the industry's most beloved and respected sources. Add this copy to your collection today.

Ford's 351 Cleveland was designed to be a 'mid-sized' V-8 engine, and was developed for higher performance use upon its

launch in late 1969 for the 1970 models. This unique design proved itself under the hood of Ford's Mustang, among other high performance cars. The Cleveland engine addressed the major shortcoming of the Windsor engines that preceded it, namely cylinder head air flow. The Windsor engines just couldn't be built at the time to compete effectively with the strongest GM and Mopar small blocks offerings, and the Cleveland engine was the answer to that problem. Unfortunately, the Cleveland engine was introduced at the end of Detroit's muscle car era, and the engine, in pure Cleveland form, was very short lived. It did continue on as a low compression passenger car and truck engine in the form of the 351M and 400M, which in their day, offered little in the way of excitement. Renewed enthusiasm in this engine has spawned an influx of top-quality new components that make building or modifying these engines affordable. This new book reviews the history and variations of the 351 Cleveland and Ford's related engines, the 351M and 400M. Basic dimensions and specifications of each engine, along with tips for identifying both design differences and casting number(s) are shown. In addition to this, each engine's strong points and areas of concern are described in detail. Written with high performance in mind, both traditional power tricks and methods to increase efficiency of these specific engines are shared. With the influx of aftermarket parts, especially excellent cylinder heads, the 351 Cleveland as well as the 351M and 400M cousins are now seen as great engines to build. This book will walk you through everything you need to know to build a great street or competition engine based in the 351 Cleveland platform.

Color photographs and an insightful text. Book jacket.

The #1 Reference on the Ford 428 Cobra Jet! The 1969 Mustang Cobra Jet Engine Reference Manual provides the information needed to restore these engines to the thoroughbred level and beyond and is a great reference for restoration at any level. An excellent source of information for all cars equipped with 428 Cobra Jets, it is a valuable reference for any sixties vintage FE motor. The manual includes specific details about original assembly line techniques and markings, production variations, known original bolt surface finishes and head markings, and differences between original and reproduction parts. By Joe Sikora (MCA #1170), owner/restorer of many of these cars, including a thoroughbred award winning SCJ Mach 1. A "must have" for the garage and swap meets. 40 pages on heavy bond paper.

Collector's Originality Guide: Mustang 1964 1/2-1966 is the definitive guide to one of the greatest cars in American history: The Ford Mustang. Launched to tremendous acclaim in the mid-1960s, this sporty car was an instant hit with buyers selling tens of thousands of units in its first months of production and launching an iconic Ford nameplate that continues on to this day. Naturally, the Mustang car became an instant classic, and has been a favorite among collectors and restorers for decades. In this paperback reissue of the highly popular hardcover book, author and photographer Colin Date walks through all of the details of the first-generation Mustang's 2 1/2-year production run, providing collectors with everything they need to know to identify, classify, and restore these iconic cars. Filled with gorgeous color photography, this book has been and continues to be a must-

have for all Ford Mustang fans.

"This book provides information on how to restore the 1979-1993 Mustang to its former glory, including interior, chassis, and drive-line restoration and rust repair, along with cool performance upgrades."--Provided by publisher.

Haynes offers the best coverage for cars, trucks, vans, SUVs and motorcycles on the market today. Each manual contains easy to follow step-by-step instructions linked to hundreds of photographs and illustrations. Included in every manual: troubleshooting section to help identify specific problems; tips that give valuable short cuts to make the job easier and eliminate the need for special tools; notes, cautions and warnings for the home mechanic; color spark plug diagnosis and an easy to use index.

8/18/06 This book had to be addressed as one of fiction because of the real torment created by one vicious evil plotting scorned female controlled by Satans own mind. The story is true, however all the names have been changed to protect the innocent, the publisher, and the Author. Three years of dedication and very hard work gathering information to present to the reader, starting from July 2003. False police reports made and found to be unfounded by the department, many case numbers that John Q public has access to. One female in a very big city that wanted to control all the dance arenas, and would stop at nothing short of murder to gain prominence among a few filthy underhanded worthless club owners. The main character Katherine was scorned by two ex lovers and wanted revenge to the point of absolute destruction to both of these educated and very striking men. An Emotional dance was performed by her to bring forth the

Midnight Hour meant for complete ruin of these beautiful men. This book has exposed the underbelly of some unscrupulous dance studio renters that prey on innocent widows and other caring people that have had a loss of a loved one. These poor people are cheated out of large sums of money and given false hope in return, because of their need to feel wanted and accepted by others, they are hurting so bad and simply want to be loved once again. One very arrogant down town club renter, because they rent the space, has such a love of himself, that he truly believes he is the King of Los Vegas, how pathetic, small man syndrome comes to mind with this little person.

Haynes disassembles every subject vehicle and documents every step with thorough instructions and clear photos. Haynes repair manuals are used by the pros, but written for the do-it-yourselfer. Provides a buyer's guide for the Ford Mustang. This book includes chapters on engine, drivetrain, bodywork, interior, and detailing. It also includes a CD-ROM with photographs from the author's personal collection of Ford Mustang photographs.

Follow Ford's leap into the 1960s and the performance era--on the streets and on the track! In the early 1960s, Ford Motor Company underwent a dramatic change in corporate philosophy. Previ-

ously, under Ford's young chairman, Henry Ford II ("the Deuce") safety, not performance, was the goal. But by 1962, even the chairman realized his philosophy needed to change. Ford was nearly invisible to car-crazy baby boomers. Lee Iacocca convinced Ford that he needed to act decisively or risk losing the emerging youth market to the competition. Thus began Ford's "Total Performance" program. Ford Total Performance is all about Ford's prime racing era from 1961 through 1971. In addition to purpose-built race cars, it also covers production performance cars, specialty models, and unique concepts such as lightweight drag race cars. The book explores the 427 Fairlane Thunderbolt; Mercury Comet; unique V-8 Falcons that competed in the 1963 and 1964 Monte Carlo Rallies; Dick Brannan's 427 A/FX drag car; Ford Indy 500 winning race cars; 427 Overhead Cam SOHC 427 engines as used in A/FX and fuel race cars; Boss 302 and 429 Mustangs for street, drag racing, and Trans-Am; and many more. The Ford-Ferrari war that led to the creation of the legendary GT40 Le Mans race cars isn't forgotten. Featuring unpublished period photographs, plus photos and artwork from Ford designers, Ford Total Performance covers all of Ford's classic race and street cars, including Cobras and Shelby Mustangs. It's a must-have book for any fan of classic American performance cars!