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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 the ford modular engine is a popular swap for 1964 1 2 1973 mustangs fox body mustangs trucks hot rods and other muscle cars because these high tech engines provide exceptional performance and improved economy compared to their dated counterparts found in mustangs and other fords since the 1990s installing a modular motor in a classic ford infuses new technology and all the benefits that come with it into a classic car modular engines feature an overhead cam design that has massive horsepower potential and are offered in 4 6 5 0 5 2 5 4 and 5 8 liter iterations these high tech 2 3 and 4 valve engines are readily available as a crate engine from salvage yards and in running cars this engine design has a large physical footprint and swapping the engine requires a thorough plan using the proper tools and facilities author dave stribling specializes in modular engine swaps and expertly guides you through each crucial step of the engine transplant process because of the large physical size many components such as brake boosters steering rods and boxes and other underhood components may need repositioning or modification to co exist in the engine bay stribling covers motor mount selection and fabrication suspension and chassis modifications aftermarket suspension options firewall and

transmission tunnel modifications engine management and wiring procedures fuel systems exhaust systems electrical mods and upgrades and much more many older ford muscle and performance cars are prime candidates for a modular swap however shock towers protrude into the engine bay of these cars so modifications are necessary to fit the engine into the car which is also covered here swapping the engine and transmission into a muscle car or truck requires specialized processes and this insightful explanatory and detailed instruction is found only in this book if you are considering swapping one of these high tech engines into a non original chassis this book is a vital component to the process p p1 margin 0 0px 0 0px 0 0px 0 0px font 12 0px arial popular mechanics inspires instructs and influences readers to help them master the modern world whether it s practical diy home improvement tips gadgets and digital technology information on the newest cars or the latest breakthroughs in science pm is the ultimate guide to our high tech lifestyle for the first time in one volume phil edmonston canada s automotive dr phil covers all used vehicles packing this guide with insider tips to help the consumer make the safest and cheapest choice possible from cars and trucks of the past 25 years

properly equip a workshop and lists tool and parts suppliers the 1973 oil crisis forced the american automotive industry into a period of dramatic change marked by stiff foreign competition tougher product regulations and suddenly altered consumer demand with gas prices soaring and the economy in a veritable tailspin muscle cars and the massive need for speed engines of the late 60s were out and fuel efficient compacts were in by 1980 american manufacturers were churning out some of the most feature laden yet smallest and most fuel efficient cars they had ever built this exhaustive reference work details every model from each of the major american manufacturers from model years 1973 through 1980 including various captive imports e g dodge s colt built by mitsubishi within each model year it reports on each manufacturer s significant news and details every model offered its specifications powertrain offerings prices standard features major options and production figures among other facts the work is heavily illustrated with approximately 1 300 photographs the most trustworthy source of information available today on savings and investments taxes money management home ownership and many other personal finance topics popular mechanics inspires instructs and influences readers to help them master the modern world whether it s practical diy home improvement tips gadgets and digital technology information on the newest cars or the latest breakthroughs in science pm is the ultimate guide to our high tech lifestyle popular mechanics inspires instructs and influences readers to help them master the modern world whether it s practical diy home improvement tips gadgets and digital technology information on the newest cars or the latest breakthroughs in science pm is the ultimate guide to our high tech lifestyle if you own a car or are in the market for one auto upkeep is the book for you from choosing an insurance policy to performing basic maintenance and repair auto upkeep present the information you need in an easy to follow format with detailed pictures and drawings an accompanying cd provides review questions and hands on activities to help you apply concepts from the text popular mechanics inspires instructs and influences readers to help them master the modern world whether it s practical diy home improvement tips gadgets and digital technology information on the newest cars or the latest breakthroughs in science pm is the ultimate guide to our high tech lifestyle 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 ebony is the flagship magazine of johnson publishing founded in 1945 by john h johnson it still maintains the highest global circulation of any african american focused magazine popular mechanics inspires instructs and influences readers to help them master the modern world whether it s practical diy home improvement tips gadgets and digital technology information on the newest cars or the latest breakthroughs in science pm is the ultimate guide to our high tech lifestyle black enterprise is the ultimate source for wealth creation for african american professionals entrepreneurs and corporate executives every month black enterprise delivers timely useful information on careers small business and personal finance whether the reader has simple maintenance or a complete engine rebuild in mind he or she can rest assured that there s a haynes manual for just above every

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the 1973 oil crisis forced the american automotive industry into a period of dramatic change marked by stiff foreign competition tougher product regulations and suddenly altered consumer demand with gas prices soaring and the economy in a veritable tailspin muscle cars and the massive need for speed engines of the late 60s were out and fuel efficient compacts were in by 1980 american manufacturers were churning out some of the most feature laden yet smallest and most fuel efficient cars they had ever built this exhaustive reference work details every model from each of the major american manufacturers from model years 1973 through 1980 including various captive imports e g dodge s colt built by mitsubishi within each model year it reports on each manufacturer s significant news and details every model offered its specifications powertrain offerings prices standard features major options and production figures among other facts the work is heavily illustrated with approximately 1 300 photographs

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