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### 7NXT4J - MCMAHON PALMER

A survey of the role of plastics materials in the motor industry. It discusses progress in the different sectors of automotive engineering, and the possible effect of economic and environmental pressures on the growth of the plastics contribution. Emphasis is given to materials selection and the author explains how a material can be 'right' or 'wrong' for a particular job - and what extraneous factors could change things.

Includes advertising matter.

This collection chronicles the development of America's favorite sports car by the designers and engineers who made it happen. These 30 papers cover more than 50 years and six generations of the engineering, styling, and research and development of the Chevrolet Corvette. Twenty-two papers focus on the first five generations, with the last eight papers detailing the new sixth-generation Corvette. Material collected in this volume truly has unprecedented historical value. A 1954 paper by Maurice Olley presents a technical description of the first production Corvette. The book's preface includes insight from Zora Arkus-Duntov into the reasons behind the Corvette's development. Other highlights include comments from Corvette's chief engineer, a press release created by General Motors on its fiftieth anniversary, and a timeline with photos documenting the Corvette's evolution. Contents Includes: Preface Production Improves the Breed by Dennis Simanaitis Zora's Contribution to the Corvette by Dave McLellan Sports Car Development by Zora Arkus-Duntov McLellan's Corvette Era by Dave McLellan Comments from Corvette's Chief Engineer by David C. Hill Corvette People : GM Press Release Corvette Timeline by GM for the 50th Anniversary of the Corvette

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.

Written and designed for casual enthusiasts, as well as restorers who want to determine which parts, accessories and colors will restore their cars to factory-original condition, every title in the Bay View Original Series provides a huge selection of color photography, comprehensive factory records, thorough specifications, detailed parts lists and nostalgic period literature. The third generation Corvettes, built from 1968 through 1982, are the most affordable and frequently driven 'Vettes, barring the new models. This all-color guide depicts all editions from these model years -- including the ultra-fast L88 454 and ZL1 427, in addition to the standard 350 -- while carefully detailing engines, interiors and bodies. The first restoration guide for 4th-generation Corvettes, detailing correct parts, finishes, options, and trim pieces for all models produced from 1984 to 1996.

The editors at Consumer Guide bring their expertise to this smart shopper's guide to today's best used car values. These authoritative ratings cover more than 200 domestic and foreign models and include current prices, fuel economy estimates, recall histories and more.

One of the most popular and most easily acquired Corvettes is the C4, produced from 1984 through 1996. The performance enhancements, maintenance procedures and restoration tips provided in this book provide Corvette owners a wide variety of options to upgrade their cars, all within reasonable price ranges. Projects include restoration tips, time estimates, tools needed, expertise level, and money necessary to complete the project so the reader will know what is required before starting.

The hottest trend in hot rodding is Pro/Touring--upgrading classic muscle cars with modern performance, handling, safety and comfort. This subject gets extensive coverage in magazines such as Hot Rod, Car Craft, Chevy High Performance, and other enthusiast publications. This book shows readers how to upgrade their classic Chevy, Pontiac, Buick, and Oldsmobile muscle cars in all areas--late-model fuel-injected engines, better brakes and suspension, hot interiors, and bodywork. Includes several "minifeatures" of well-known Pro/Touring cars for readers to use as examples.

This Rapra Review Report looks at the major applications of polymers in automotives, (excluding tyres), and describes the reasons behind their adoption and development, with many examples drawn from the European, US and Japanese car industries. The review and the 395 abstracts provided from the Rapra Polymer Library database refer primarily to developments since 1987.

The inside story of the people who made the Corvette a legend for over forty years, "All Corvettes Are Red" is the result of more than eight years of research by the author into every part of the world's #1 automaker. "A true labor of love"..."Booklist". of color photos.

Tom Cotter returns to troll through Detroit and discover long forgotten classics in Motor City Barn Finds. You won't believe some of the rides he finds. Detroit has been America's Motor City for decades. It's home to Ford, General Motors, and Chrysler, as well as numerous auto industry companies and specialty and speed shops. At the same time, it's the poster child for urban blight and dysfunction. It's truly a city of contrasts, which presented challenges and opportunities in equal measure to barn finder Tom Cotter. In Motor City Barn Finds, Cotter plies his trade in a locale rich with automotive history. Detroit's lost cars are abandoned in empty lots, resident in decrepit buildings, squirreled away in garages, and stashed in historic wrecking yards. Behind the wheel of his classic 1939 Ford Woodie, Cotter trolls the back streets and neighborhoods of this historic city looking for lost automotive gems accompanied by photographer Michael Alan Ross. As America's Motor City, Detroit is an emotional and historical mecca for car enthusiasts, capable of drawing hundreds of thousands of car people for events like Woodward Dream Cruise and attracting design-forward companies like Shinola. At the same time, it's intimidating to navigate, with numerous dodgy neighborhoods and risky abandoned factory sites. Add it all together and you have fascinating and intriguing opportunities to dig for barn-find gold.

Chevy's Corvette is without question one of the most recognized sports cars in the world. Since its introduction at GM's Motorama, Corvettes have been favorites for fans and drivers in a wide variety of racing venues, including endurance events, hillclimbs, Tran-

s-Am, drag racing, and GT Racing. For six decades, Corvettes have battled and defeated some of the the biggest names in the sports car world—Ferrari, Porsche, Cobra, Jaguar—at storied road courses like Le Mans, Daytona, the Nürburgring, Sebring, and Laguna Seca. Beginning with the Real McCoy, a Zora Arkus-Duntov special raced at Sebring in 1956, this book draws on the history of factory-sponsored and private racing efforts, chronicling the history of the various Vettes that have been put to the test as racing machines. Noted automotive writer and renowned artist David Kimble delves deep into Vette's on-track history to provide the most thorough Corvette racing history ever published. Corvette Racing is illustrated with rare images from GM's media and design archives and complemented by Kimble's own stunning cut-away artwork. For Corvette and racing fans, this book is the definitive word on Corvette's nearly 60 years of competition.

The C3 Corvette's swooping fenders and unmistakable body style capture the imagination and make it an enduring classic. About a half-million Corvettes were sold between 1968 and 1982, and the unique combination of Shark style, handling, and V-8 performance is revered. Some early C3s, built between 1968 and 1974, are simply too rare and valuable to be modified, particularly the big-block cars. The later Corvettes, built from 1975 to 1982, came

with low-compression engines that produced anemic performance. The vast majority of these Corvettes are affordable, plentiful, and the ideal platform for a high-performance build. Corvette expert, high-performance shop owner, and builder Chris Petris shows how to transform a mundane C3 into an outstanding high-performance car. Stock Corvettes of this generation carry antiquated brakes, steering, suspension, and anemic V-8 engines with 165 to 220 hp. He covers the installation of top-quality aftermarket suspension components, LS crate engines, big brakes, frame upgrades, and improved driveline parts. The book also includes popular upgrades to every component group, including engine, transmission, differential, suspension, steering, chassis, electrical system, interior, tires, wheels, and more. Whether you are mildly modifying your Corvette for greater comfort and driveability or substantially modifying it for vastly improved acceleration, braking, and handling, this book has insightful instruction to help you reach your goals. No other book provides as many popular how-to projects to comprehensively transform the C3 Corvette into a 21st-century sports car.

The author of "Corvette Sting-Ray" now offers a model-by-model history of the hottest American sports car.