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Paperback: Those 80s Cars is dedicated to enthusiasts of the manufacturers of American owned and branded franchises. These often overlooked cars are now entering classic and collectible status. This is your resource guide of exterior and interior views with hundreds of images (front, back, profiles, interiors, dashes, seats and a few cut-a-ways), and quotes and specs from the brochures. Includes cars from 1980-1989 from these manufacturers: Buick, Cadillac, Chevrolet & Geo, Oldsmobile, and Pontiac.

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In Standard Catalog of Pontiac 1926-2002, collectors can speed through thousands of listings to obtain specifications, production data, and serial number information for their favorite Pontiacs. Every Pontiac model ever made from 1926 to 2002 is listed, along with the predecessors to Pontiac, the Oakland cars produced from 1908-1931. • Over 500 photographs help collectors clearly identify the Pontiacs through the years. Current collector values are provided in six grades of condition. • Thousands of listings of Pontiacs made from 1926-2002; includes new listings for models made from 1996 to 2002 including Bonneville SSEi, Grand Prix GTP, Ram Air Firebirds, Aztec and Vibe • Specifications, production data, serial number information, and much more; and, features coverage of Oakland cars produced from 1908-1931  
*Automotive Maintenance Data Base for Model Years 1976-1979* Springer

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**How to Restore Your Pontiac GTO, 1964-1974** Penguin  
From the very first day you use them, the design challenges in this compendium will spur your students, too, to jump right in and engage throughout the entire class. The activities reinforce important science content while illustrating a range of STEM skills. The 30 articles have been compiled from NSTAOCO's journals for elementary through high school. Next time you need an engaging STEM activity, youOCO'll be glad you have this collection to help you blend meaningful and memorable experiences into your lessons."

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**Department of Transportation and Related Agencies Appropriations for 1989** NSTA Press  
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*American Cars, 1973-1980* CarTech Inc  
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**Pontiac GTO Restoration Guide 1964-1972** Haynes Manuals N. America, Incorporated  
The General Motors G-Body is one of the manufacturer's most popular chassis, and includes cars such as Chevrolet Malibu, Chevrolet Monte Carlo and El Camino; the Buick Regal, the Oldsmobile Cutlass Supreme; the Pontiac Grand Prix, and more.  
**Transportation Energy Data Book** Haynes Publications

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.

#### **Department of Transportation and related agencies appropriations for 1989** New Serial TitlesHow to Make Your Car Handle

The automotive industry underwent great change in the 1960s and the early 1970s. The continuing trend toward market consolidation, the proliferation of sizes and nameplates, and the "need for speed" characterized this period, loosely labeled as the muscle car era. This is an exhaustive reference work to American made cars of model years 1960–1972. Organized by year (and summarizing the market annually), it provides a yearly update on each make's status and production figures, then details all models offered for that year. Model listings include available body styles, base prices, engine and transmission choices, power ratings, standard equipment, major options and their prices, curb weight and dimensions (interior and exterior), paint color choices, changes from the previous year's model, and sales figures. Also given are assembly plant locations and historical overviews of each model nameplate. The book is profusely illustrated with 1,018 photographs.

*Catalog of Copyright Entries. Third Series* Lulu.com

How to Rebuild and Modify High-Performance Manual Transmissions breaks down the disassembly, inspection, modification/upgrade, and rebuilding process into detailed yet easy-to-follow steps consistent with our other Workbench series books. The latest techniques and insider tips are revealed, so an enthusiast can quickly perform a tear-down, identify worn parts, select the best components, and successfully assemble a high-performance transmission. Transmission expert and designer Paul Cangialosi shares his proven rebuilding methods, insight, and 27 years of knowledge in the transmission industry. He guides you through the rebuilding process for most major high-performance transmissions, including BorgWarner T10 and super T10, GM/Muncie, Ford Toploader, and Tremec T5. This new edition also contains a complete step-by-step rebuild of the Chrysler A833 transmission.

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To make your car handle, design a suspension system, or just learn about chassis, you'll find what you need here. Basic suspension theory is thoroughly covered: roll center, roll axis, camber change, bump steer, anti-dive, ride rate, ride balance and more. How to choose, install and modify suspensions and suspension hardware for best handling: springs, sway bars, shock absorbers, bushings, tires and wheels. Regardless of the basic layout of your car—front engine/rear drive, front engine/front drive, or rear engine/rear drive—it is covered here. Aerodynamic hardware and body

modifications for reduced drag, high-speed stability and increased cornering power: spoilers, air dams, wings and ground-effects devices. How to modify and set up brakes for maximum stopping power and handling. The most complete source of handling information available. "Suspension secrets" explained in plain, understandable language so you can be the expert.

#### **Pontiac Mid-Size Rear-Wheel Drive Models, 1970-1987**

This new edition to the classic book by ggplot2 creator Hadley Wickham highlights compatibility with knitr and RStudio. ggplot2 is a data visualization package for R that helps users create data graphics, including those that are multi-layered, with ease. With ggplot2, it's easy to: produce handsome, publication-quality plots with automatic legends created from the plot specification superimpose multiple layers (points, lines, maps, tiles, box plots) from different data sources with automatically adjusted common scales add customizable smoothers that use powerful modeling capabilities of R, such as loess, linear models, generalized additive models, and robust regression save any ggplot2 plot (or part thereof) for later modification or reuse create custom themes that capture in-house or journal style requirements and that can easily be applied to multiple plots approach a graph from a visual perspective, thinking about how each component of the data is represented on the final plot This book will be useful to everyone who has struggled with displaying data in an informative and attractive way. Some basic knowledge of R is necessary (e.g., importing data into R). ggplot2 is a mini-language specifically tailored for producing graphics, and you'll learn everything you need in the book. After reading this book you'll be able to produce graphics customized precisely for your problems, and you'll find it easy to get graphics out of your head and on to the screen or page.

#### Popular Mechanics

Pt. 2. Appendix E and F.

*Regression Analysis for Acceleration Performance of Light Duty Vehicles. Final Report*

The Muncie 4-speeds, M20, M21, and M22 are some of the most popular manual transmissions ever made and continue to be incredibly popular. The Muncie was the top high-performance manual transmission GM offered in its muscle cars of the 60s and early 70s. It was installed in the Camaro, Chevelle, Buick GS, Pontiac GTO, Olds Cutlass, and many other classic cars. Many owners want to retain the original transmission in their classic cars to maintain its value. Transmission expert and veteran author Paul Cangialosi has created an indispensable reference to Muncie 4-speeds that guides you through each crucial stage of the rebuild process. Comprehensive ID information is provided, so you can positively identify the cases, shafts, and related parts. It discusses available models, parts options, and gearbox cases. Most important, it shows how to completely disassemble the gearbox, identify wear and damage, select the best parts, and complete the rebuild. It also explains how to choose the ideal gear ratio for a particular application. Various high-performance and racing setups are also shown, including essential modifications, gun drilling the shafts, cutting down the gears to remove weight, and achieving race-specific clearances. Muncie 4-speeds need rebuilding after many miles of service and extreme use. In addition, when a muscle car owner builds a high-performance engine that far exceeds stock horsepower, a stronger high-performance transmission must be built to accommodate this torque and horsepower increase. No other book goes into this much detail on the identification of the Muncie 4-speed, available parts, selection of gear ratios, and the rebuild process.