

Ford F 4600 Engine Illustration

Various combinations of commercially available technologies could greatly reduce fuel consumption in passenger cars, sport-utility vehicles, minivans, and other light-duty vehicles without compromising vehicle performance or safety. Assessment of Technologies for Improving Light Duty Vehicle Fuel Economy estimates the potential fuel savings and costs to consumers of available technology combinations for three types of engines: spark-ignition gasoline, compression-ignition diesel, and hybrid. According to its estimates, adopting the full combination of improved technologies in medium and large cars and pickup trucks with spark-ignition engines could reduce fuel consumption by 29 percent at an additional cost of \$2,200 to the consumer. Replacing spark-ignition engines with diesel engines and components would yield fuel savings of about 37 percent at an added cost of approximately \$5,900 per vehicle, and replacing spark-ignition engines with hybrid engines and components would reduce fuel consumption by 43 percent at an increase of \$6,000 per vehicle. The book focuses on fuel consumption--the amount of fuel consumed in a given driving distance--because energy savings are directly related to the amount of fuel used. In contrast, fuel economy measures how far a vehicle will travel with a gallon of fuel. Because fuel consumption data indicate money saved on fuel purchases and reductions in carbon dioxide emissions, the book finds that vehicle stickers should provide consumers with fuel consumption data in addition to fuel economy information.

Beginning with 1937, the April issue of each vol. is the Fleet reference annual.

Opslagsbog vedr. flyvning herunder luftfartøjer, kendingsmærker, flymotorer, Air-launched raketter m.m.

This work covers major weapons throughout human history, beginning with clubs and maces; through crossbows, swords, and gunpowder; up to the hypersonic railgun, lasers, and robotic weapons under development today. Weapons and Warfare is designed to provide students with a comprehensive and highly informative overview of weapons and their impact on the course of human history. In addition to providing basic factual information, this encyclopedia will delve into the greater historical context and significance of each weapon. The chronological organization by time period will enable readers to fully understand the evolution of weapons throughout history. The work begins with a foreword by a top scholar and a detailed introductory essay by the editor that provides an illuminating historical overview of weapons. It then offers entries on more than 650 individual weapons systems. Each entry has sources for further reading. The weapons are presented alphabetically within six time periods, ranging from the prehistoric and ancient periods to the contemporary period. Each period has its own introduction that treats the major trends occurring in that era. In addition, 50 sidebars offer fascinating facts on various weapons. Numerous illustrations throughout the text are also included. Includes an informative foreword on the impact of weapons on tactics by distinguished historian British Army Major General Mungo Melvin (Retired) Offers individual introductory essays to each of the six chronological sections of the book Provides concise studies, written distinguished military historians, of more than 650 important weapons systems Features 50 sidebars that supply interesting insights related to the employment of various weapons

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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.

The epic story also told in the film FORD V. FERRARI: By the early 1960s, the Ford Motor Company, built to bring automobile transportation to the masses, was falling behind. Young Henry Ford II, who had taken the reins of his grandfather's company with little business experience to speak of, knew he had to do something to shake things up. Baby boomers were taking to the road in droves, looking for speed not safety, style not comfort. Meanwhile, Enzo Ferrari, whose cars epitomized style, lorded it over the European racing scene. He crafted beautiful sports cars, "science fiction on wheels," but was also called "the Assassin" because so many drivers perished while racing them. Go Like Hell tells the remarkable story of how Henry Ford II, with the help of a young visionary named Lee Iacocca and a former racing champion turned engineer, Carroll Shelby, concocted a scheme to reinvent the Ford company. They would enter the high-stakes world of European car racing, where an adventurous few threw safety and sanity to the wind. They would design, build, and race a car that could beat Ferrari at his own game at the most prestigious and brutal race in the world, something no American car had ever done. Go Like Hell transports readers to a risk-filled, glorious time in this brilliant portrait of a rivalry between two industrialists, the cars they built, and the "pilots" who would drive them to victory, or doom.

Includes advertising matter.

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