



# Modern Fighting Vehicles

**United States. Congress. House.  
Committee on Armed Services**



## **Modern Fighting Vehicles:**

**Modern Fighting Vehicles** Bob Lewis,1988-09      *Modern Fighting Vehicles* HarperCollins Publishers Limited,1987

*Modern Armored Fighting Vehicles* Thomas Bruce,2018-09-13 Armored vehicles are essentially armed and armored high mobility off road vehicles While their mobility aspects are clearly very important there are many high mobility off road vehicles not designed for military applications Therefore the key defining aspects of an Armored Fighting Vehicle AFV as the name implies is the armament they carry to inflict damage and the armor they possess as protection against damage There has within recent years been a great number of exciting and innovative developments in critical AFV technologies Key among these are significant enhancements to both armament and armor The primary armament of an AFV consists of relatively large caliber guns that fire a range of ballistic munitions including kinetic energy penetrators high explosive incendiary and shaped charge warhead tipped rounds Some guns are also capable of firing anti tank guided missiles In addition to the main weapon many AFV s are also equipped with a range of secondary weapons including machine guns grenade launchers mortar tubes and missile launchers These weapons and their capabilities in penetrating standardized armor is reviewed in detail in this volume AFV armor is designed to protect the vehicle against both threats fired by other AFVs and threats originating from any other source including buried mines infantry portable weapons air launched missiles artillery shells and improvised devices Protection against each type of threat often requires a unique type of armor solution These solutions are then layered onto the vehicle to provide the required protection Vehicle armor systems include applique armor spaced armor reactive armor cage armor netted armor electric armor spall systems dazzlers jammers and Active Protection Systems APS Each type of armor is covered in detail in this volume both at a system level and with respect to their integration into specific AFVs This volume covers the theory of AFV design of armament performance and of armor design and performance As well most modern AFVs are described and discussed A modern AFV is considered to be one that was either designed over the last 20 years or is likely to continue to see service with front line combat troops for the foreseeable future Main battle tanks light tanks reconnaissance vehicles tracked and wheeled armored personnel carriers infantry fighting vehicles and tank destroyers are covered      *Armored Vehicle History* Evelyn Cho,AI,2025-01-30 Armored Vehicle History presents a comprehensive journey through the evolution of military armored vehicles from World War I s rudimentary armored cars to today s sophisticated main battle tanks This authoritative work expertly weaves together the technological tactical and strategic aspects of armored warfare demonstrating how battlefield needs drove innovation and how these mechanical giants revolutionized modern military operations The book meticulously traces the development of key technological advances such as the introduction of sloped armor during World War II and the continuous improvements in suspension systems and engine power Through detailed case studies and technical specifications drawn from military archives and engineering documents readers gain insight into how each major conflict catalyzed new developments in armor design and combat effectiveness The

author skillfully balances technical detail with operational analysis making complex engineering concepts accessible to both military historians and mechanical engineering enthusiasts Progressing chronologically the narrative explores the foundational principles of armored vehicle design before delving into the evolution of tank doctrine and modern combat operations What sets this work apart is its holistic approach examining not just main battle tanks but the entire spectrum of armored vehicles including infantry fighting vehicles and specialized platforms The book concludes by addressing contemporary challenges such as the role of heavy armor in asymmetric warfare making it an invaluable resource for understanding both the history and future of mechanized warfare

**NATO and Warsaw Pact Armoured Fighting Vehicles of the Cold War** Michael Green,2024-03-08 This authoritative and superbly illustrated book covers the full range of AFVs in service with NATO and WP armies over the four decades of the Cold War While tanks were the most recognized armored vehicles during the Cold War NATO and Warsaw Pact WP armies fielded a wide array of armored fighting vehicles AFVs These included armored cars armored personnel carriers APCs anti aircraft vehicles and self propelled artillery Over the Cold War years nations both progressively developed series of AFVs and introduced entirely new ranges APCs vital to all frontline units evolved from machine gun armed battlefield taxis such as the US M113 and Soviet BTR 60 series into sophisticated infantry fighting vehicles The Soviet BMP 1 US Bradley M2 M3 West German Marder and British Warrior and CVR series were classic examples of the latter with numerous variants The Soviet BRDM 2 series was the most numerous armored car The British Army fielded the Saladin Ferret and Fox and the German Army introduced the eight wheeled Luchs and tracked SPZ11 2 Kurz Early anti aircraft vehicles such as the American M42 with two 40mm Bofors were superseded by the formidable Soviet ZSU 23 4 Shilka and the West German Gepard with radar guided guns This authoritative and superbly illustrated book covers the full range of AFVs in service with NATO and WP armies over the four decades of the Cold War It will be an invaluable addition to the libraries of the expert and layman alike

Chinese Military Modernization Anthony H. Cordesman,Martin Kleiber,2007-04-11

**Professional Journal of the United States Army** ,1988

**Armed Forces** ,1982

**Review of Current Military Literature** ,1991

Armoured Fighting Vehicles of the World: British and Commonwealth AFVs, 1940-46 Duncan Crow,1971

**Journal of the House of Representatives of the United States** United States. Congress House,1983 Some vols include supplemental journals of such proceedings of the sessions as during the time they were depending were ordered to be kept secret and respecting which the injunction of secrecy was afterwards taken off by the order of the House

Modern Armored Fighting Vehicles Jack Livesey,2008 Previously published as part of a larger volume The world encyclopedia of armoured fighting vehicles T p verso

Modern U.S. Tanks and AFVs Michael Green Greg Stewart,2003

Military Review ,1991

**The World's Most Powerful Tanks** Michael E. Haskew,2016-12-15

The World s Most Powerful Tanks is an expert examination of the most successful tanks of the past hundred years Beginning with the prototype Mark V Male in 1917 the book features 52 of the best armored fighting vehicles from World War I World

War II through the Cold War to today Each entry is examined over two spreads and includes a brief description of the tank s development and history a color profile artwork photographs key features and specifications tables Packed with more than 200 artworks and photographs The World s Most Powerful Tanks is a colorful guide for the military historian and military technology enthusiast *Chinese Power (English)* , Do you think Chinese tanks and models are not interesting Wait to see this book Until now is the most complete detailed and exhaustive study about PLA for modelers ever done This book is not only having historians in mind but also for modelers and readers that can be interested to know something more about the Chinese army power After reading this book many modelers will have much more interest in building a Chinese vehicle as next model Through its pages we will discover not only the power and main weapons of the Chinese PLA since its origins but also the way to paint them showing different techniques and camouflages for the Chinese vehicles The kits which appear in this book belong to the main Chinese brands and makes this book the perfect guide not only for modelers and enthusiasts of Chinese tanks and its strange and exotic camouflages but also for any modelers that want to have a reference book Modelers and historians like Adam Wilder Kristof Pulinks Lukasz Orczyyc Musialek Lester Plaskitt Sven Frich Zach Sex Gordon Arthur Lei Xu Verlag Jochen Chris Jerret Oscar Ebr Brian Murdoch or David Bocquelet give us an idea of the quality of this publication that until now is the most complete detailed and exhaustive study about PLA for modelers ever done Title III United States. Congress. House. Committee on Armed Services,1985 **Defense Department authorization and oversight** United States. Congress. House. Committee on Armed Services,1985 **Department of Defense Authorization for Appropriations for Fiscal Year 2011** United States. Congress. Senate. Committee on Armed Services,2010 **Tanks** Michael E Haskew,2014-04-17 Tanks features 52 of the best armoured fighting vehicles from World War I to the present day Each entry is examined over two spreads and includes a brief description of the tank s development and history a colour profile artwork photographs key features and specifications tables

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