

# Wheeled Self Propelled Howitzer

United States. Department of the Army

**Kings of Battle US Self-Propelled Howitzers, 1981-2022** David Grummitt, 2023-12-30 It is for good reason that artillery is known as the 'king of battle'. In World War II the United States made good use of self-propelled howitzers, including those based on the chassis of the M4 Sherman tank. After 1945 the US developed both light and medium self-propelled howitzers, based on the M24 Chaffee, M41 Walker Bulldog and Sherman chassis. The first designs were plagued with problems and self-propelled artillery played only a minor role in the Korean War. By the mid 1960s, however, the M107 175mm, M109 155mm and M110 203mm self-propelled howitzers had entered service, and they proved their effectiveness during the Vietnam War. The M107 was relatively short-lived in US service, being retired in the late 1970s, but it played an important role with the Israel defense Forces. The M109 served with the US Army, as well as in many NATO armies and elsewhere, and saw action in the Middle East, in the Balkans, during the liberation of Kuwait, and in the invasion of Iraq. The M109 has now been in service for some sixty years and remains, in the guise of the M109A7, the current self-propelled howitzer of the US Army. The larger M110 203mm self-propelled howitzer similarly saw widespread service before it was retired in the early 1990s. Despite the emergence of rocket artillery, such as the Multiple Launch Rocket System, the self-propelled howitzer will remain one of the principal weapons systems of US military in the decades to come. The M107, M109 and M110 have proved popular subjects among modellers with a variety of kits available from the major manufacturers. As well as describing in detail the technical development and operational history of these guns, this book gives a full account of the wide range of modelling kits and accessories available in all the popular scales. Included is a modelling gallery which covers a range of variants and a section of large-scale color profiles which provide both information and inspiration for modellers and military enthusiasts alike.

*Transportability Guidance*, 1990

Howitzer, Medium, Self-propelled, 155mm, M109A2 (2350-01-031-0586), M109A3 (2350-01-031-8851), M109A4 (2350-01-277-5770)., 1990

**Assessment of Crusader** John Matsumura, Randall Steeb, John Gordon, 1998 The research explores the utility of the Crusader system, a next-generation self-propelled howitzer and resupply vehicle, to the future of the U.S. Army, including both the near-term Army XXI and the farther-term Army After Next. Specific questions were asked about Crusader's ability to provide firepower on the future battlefield and to serve as a major technology carrier into the Army After Next era. The report answers these questions and addresses other issues that may surface in considering the relative need for a state-of-the-art, self-propelled howitzer in light of other Army interests.

*Operator's Manual*, 1989

**M109 155mm Self-Propelled Howitzer 1960-2005** Steven J. Zaloga, 2005-02-05 Entering service in the early 1960s, the M109 Self-Propelled Howitzer has been in production for 34 years and forms the backbone of US Army and Reserve artillery units. The M109A6 is the latest development of the M109 series and incorporates advanced fire control systems that enable it to have its first rounds on target less than 60 seconds after arriving at firing location. This ability to shift quickly between moving and firing modes avoids counter battery fire and ensures battlefield survivability. This book details an impressive and versatile weapon that has served around the globe in Southeast Asia and in Operations Desert Shield and Desert Storm.

Self-propelled Howitzers Simon Dunstan, 1985

*Transportability Guidance*, 1992

*155-mm Gun Motor Carriage M40 and 8-in. Howitzer Motor Carriage M43*, 1947

**An Illustrated Data Guide to Modern Artillery** Christopher Chant, 1997 Provides technical data and descriptions for towed and self-propelled artillery for battlefield use.

Bridge Or Barrier: Does the Crusader Self-Propelled Howitzer Have a Weight Problem, 1998 The American Army's current fleet of self-propelled howitzers is largely outmoded and at its limit, due to space and weight constraints, to be upgraded. This fire power shortfall is the impetus behind development of a new self-propelled howitzer designed to not only overcome current shortfalls but to remain in the Army inventory for the next forty years. The Crusader self-propelled howitzer system is the new cannon currently under development. The problem is that its weight of 110 tons combat-loaded (fifty-five tons each for the howitzer and the resupply vehicle) simply does not fit nicely with the current vision of agile, quickly deployable forces operating on the future battlefield as described in Joint Vision 2010 and in the Army After Next. In a period of increasing competition for scarce Defense Budget dollars, critics have highlighted the system's reduced transportability due to its weight as marginalizing its value to the Army. In a 6 April 1998 interview in Army Times the Chief of Staff of the Army, General Dennis Reimer, defended the Army position in developing the Crusader noting that such criticism ignored the increased tactical capability of the gun. This monograph examines the question of whether the Crusader's tactical capabilities offset its weight. The monograph begins with an examination of the Crusader system and the environment in which it is expected to operate. Because any conflict has two sides, the environment is not only considered from an American viewpoint, but also from the view of how threat artillery systems may evolve. The Crusade's tactical capabilities, namely increased force effectiveness, survivability, flexibility, and the ability to support a broader range of missions, are derived from this information. Finally, the monograph analyzes the Crusade's transportability

Assessment of the Crusader: The Army's Next Self-Propelled Howitzer and Resupply Vehicle, 1998 This document summarizes the results from a six-week special assistance study conducted by RAND's Arroyo Center. This study was requested by the Assistant Vice Chief of Staff of the Army and was coordinated with the Office of the Deputy Chief of Staff for Operations and Plans (DCSOPS). The specific objective of the special assistance effort was to explore the utility of the Crusader system to the future of the Army. Along these lines, specific questions were asked about Crusader's ability to provide firepower on the future battlefield and to serve as a major technology carrier into the Army After Next (AAN) era. This document not only includes our answers to the questions posed by DCSOPS but also addresses some of the other issues that may surface in considering the relative need for a state-of-the-art self-propelled howitzer (SPH) in light of other U.S. Army interests. Thus, it should be of interest to defense acquisition officials and policymakers. The research was carried out in the Force Development and Technology Program of RAND's

Arroyo Center, a federally funded research and development center sponsored by the United States Army.

Artillery Terry Gander,1987 Surveys modern artillery in military use, including towed and self-propelled guns, rockets, ammunition, and associated equipment.

**MOS 63 D** United States. Department of the Army,1980

**German Self-Propelled Artillery in WW II** Joachim Engelmann,1997-01-08 This book covers the design and use of the self-propelled armored vehicle Wespe in WWII.

**Assessment of the Crusader: The Army's Next Self-Propelled Howitzer and Resupply Vehicle** ,1998 This document summarizes the results from a six-week special assistance study conducted by RAND's Arroyo Center. This study was requested by the Assistant Vice Chief of Staff of the Army and was coordinated with the Office of the Deputy Chief of Staff for Operations and Plans (DCSOPS). The specific objective of the special assistance effort was to explore the utility of the Crusader system to the future of the Army. Along these lines, specific questions were asked about Crusader's ability to provide firepower on the future battlefield and to serve as a major technology carrier into the Army After Next (AAN) era. This document not only includes our answers to the questions posed by DCSOPS but also addresses some of the other issues that may surface in considering the relative need for a state-of-the-art self-propelled howitzer (SPH) in light of other U.S. Army interests. Thus, it should be of interest to defense acquisition officials and policymakers. The research was carried out in the Force Development and Technology Program of RAND's Arroyo Center, a federally funded research and development center sponsored by the United States Army.

**Principles of Artillery Weapons** ,1981

*Artillery* John Nicholas,1989 Describes the various types of artillery used by the United States Army during different times in history, including self-propelled howitzers, light artillery, towed heavyweights, and other kinds of guns.

**Operator's Manual (crew)** ,1979

*Instruction for Heavy Artillery* United States. War Department,1851 Pt. I. Serving heavy artillery -- Pt. II. Mechanical manoeuvres -- Pt. III. Miscellaneous.

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