

M109 155mm Self Propelled Howitzer 1960 2005 New Vanguard

Summary: A 155mm howitzer as the direct support weapon? The idea of the 155mm gun for direct support is not new, but the howitzer is. The M-108/M-109 self-propelled artillery pieces now being issued to the U. S. Army artillery units around the world should change military strategy everywhere. **Problem:** to determine whether the 105mm Howitzer SP M108 in the direct support artillery battalion of current armored and mechanized infantry divisions should be replaced with 155mm Howitzers SP M109.

M113 APC 1960–75

US, ARVN, and Australian variants in Vietnam

Howitzer, Light, Self-propelled: 105mm, M108 (2350-440-8810) and Howitzer, Medium Self-propelled: 155mm, M109 (2350-440-8811) and Howitzer, Medium, Self-propelled: 155mm, M109A1 (2350-485-9662) .

For Cannon, 155mm Howitzer, M126E1 and M126 on Howitzer, Medium, Self-propelled, 155mm, M109 : Firing Projectile, HE, M107 : Projectile, Smoke, WP, M110 : Projectile, Smoke, BE, M116 and M116B1 (HC and Colored) ; Projectile, Gas, Persistent, HD, M110 ; Projectile, Gas, Persistent, H, M110 ; Projectile, Gas Nonpersistent, GB, M121A1 ; Projectile, Gas, Persistent, VX, M121A1 ; Projectile, Illuminating, M18, M118A1, M118A1B1, M118A2, and M118A2B1 ; Projectile, Illuminating, M485E1 and M485, 1965

Organizational, Direct Support and General Support Maintenance Repair Parts and Special Tools List (including Depot Maintenance Repair Parts and Special Tools)

For Cannon, 155mm Howitzer, M126 and M126E1 on Howitzer, Medium, Self-propelled, 155mm, M109 : Firing Projectile, HE, M107 ; Projectile, Smoke, WP, M110 ; Projectile, Smoke, BE, M116, M116B1 (HC and Colored) ; Projectile, Gas, Persistent, H and HD, M110 ; Projectile, Gas, Persistent, GB, M121A1 ; Projectile, Gas, Persistent, VX, M121A1 ; Projectile, Illuminating, M485A2 and M485A1, 1974

Based upon the ubiquitous Grant/Sherman tank, the M7 Priest is the iconic Allied self-propelled howitzer. It was the most widely manufactured vehicle of its type in World War II and was utilized by the US, British, Canadian and Free French forces. Its combat debut was with Montgomery's Eight Army at El Alamein and it fought subsequently in every major campaign through Sicily, Italy, Normandy and the final battles in Germany. In addition to covering all variants of the Priest, this book also looks at the major derivatives, including the British/Canadian Sexton and the US M12 155mm GMC.

An investigation was initiated to determine whether the readily available standard M107 projectile could be used to satisfy the 18,000-meter maximum range requirement for the M109 weapon. The range dispersion of the ammunition was excellent. Range Probable Errors of only 0.2% or better at 18,400 meters maximum range were achieved in almost every case. Even in the worn tube, a volley of 20 rounds produced a low-range dispersion. Complete data pertaining to propelling charge description, lethality advantages of the M107 projectile compared with the M470 projectile, and ballistic test data are given in this report. (Author).

155mm Howitzer SP M109 Versus 105mm Howitzer SP M108 as Direct Support Artillery in Armored and Mechanized Infantry Divisions

155mm, M109, Firing Projectile, Atomic, XM454

Operation Desert Storm 1991

Cannon, 155mm Howitzer, M126 on Carriage, Self-propelled, Howitzer, 155mm, M109 Firing Projectile, HE, M107 Projectile, Smoke, WP, M110 Projectile, Smoke, BE, M116 & M116B1 (HC & Colored) Projectile, Gas, Persistent, HD, M110 Projectile, Gas Persistent, H, M110 Projectile, Gas Nonpersistent, GB, M121 & M121A1 Projectile, Gas Persistent, M121A1 Projectile, Illuminating, M118 Mods

Installation instructions for installation kit, electronic equipment MK-2299/VRC (NSN 5895-01-299-5863) (EIC:N/A) to permit installation of radio set, AN/VRC-87/88C series in a howitzer, medium, self-propelled, 155mm gun, M109 A2/A3/Ar

Authorized Projectile, Fuse and Propelling Charge Combinations for Howitzer, Medium, Towed, 155mm, M114A2 with Cannon M1A2 and Howitzer, Medium, Self-propelled, 155mm, M109 with Cannon M126A1

The M113 is the most widely used and versatile armoured vehicle in the world. Fielded in 1960 as a simple 'battlefield taxi', over 80,000 M113s would see service with 50 nations around the world and 53 years later, many thousands are still in use. In addition to its original role of transporting troops across the battlefield, specialized versions perform a multitude of other functions including command and control, fire support, anti-tank and anti-aircraft defence, and casualty evacuation. This new fully illustrated study examines the service record of the M113 from its initial fielding through to the end of the Vietnam War. It will also describe the many US, South Vietnamese, and Australian variants of the M113 used in the Vietnam War as well as information on tactics, unit tables of organization and equipment, and a selection of engagements in which the M113 played a decisive role.

Training Circular (TC) 3-09.81, "Field Artillery Manual Cannon Gunnery," sets forth the doctrine pertaining to the employment of artillery fires. It explains all aspects of the manual cannon gunnery problem and presents a practical application of the science of ballistics. It includes step-by-step instructions for manually solving the gunnery problem which can be applied within the framework of decisive action or unified land operations. It is applicable to any Army personnel at the battalion or battery responsible to delivered field artillery fires. The principal audience for ATP 3-09.42 is all members of the Profession of Arms. This includes field artillery Soldiers and combined arms chain of command field and company grade officers, middle-grade and senior noncommissioned officers (NCO), and battalion and squadron command groups and staffs. This manual also provides guidance for division and corps leaders and staffs in training for and employment of the BCT in decisive action. This publication may also be used by other Army organizations to assist in their planning for support of battalions. This manual builds on the collective knowledge and experience gained through recent operations, numerous exercises, and the deliberate process of informed reasoning. It is rooted in time-tested principles and fundamentals, while accommodating new technologies and diverse threats to national security.

The M47 and M48 Patton Tanks

Department of the Army Firing Tables

155mm Self-propelled Medium Howitzer

Operator's Manual for Howitzer, Medium, Self-propelled, 155mm, M109A2 (2350-01-031-0586) and 155mm, M109A3 (2350-01-031-8851).

Field Artillery, 1954-1973

Field Artillery Manual Cannon Gunnery

With Cold War fears mounting, the M47 and M48 were rushed into production – teething troubles were inevitable. In the decade that followed, however, these tanks proved to be the backbone of US armoured units. In its lifetime, the Patton has played vital roles in three wars, including Vietnam, and has served with more than 25 nations; it has spawned derivatives such as the Armored Vehicle Launched Bridge, an anti-aircraft variant, and has undergone diverse armament modifications. This book provides a comprehensive view of the M47 and M48 Patton tanks, combining technical information with fascinating accounts of the performance, development and deployment of this battle-tested and truly international fighting machine.

The Scorpion reconnaissance vehicle was part of the Combat Vehicle Reconnaissance (CVR) series first devised in the mid-1960s. Designed to be light enough to be carried and parachute-dropped if necessary, the CVR, with the designation 'tracked' added, entered service with the British Army in 1972. Since then the Scorpion and its variants - the Scimitar, Striker, Spartan, Samaritan, Sultan and Sampson - have seen action in many theatres. Backed by numerous photographs and colour plates, this book examines the development and design of the Scorpion, detailing its firepower, forms of protection, performance in combat and variants.

The M109A6 Paladin

World War III Team Yankee

155MM, M109 (2350-00-440-8811), 155MM, M109A1 (2350-00-485-9662) and 155MM, M109A3 (2350-01-031-8851).

A Political, Social, and Military History

Cannon, 155mm Howitzer, M126E1 and M126 on Howitzer, Medium, Self-propelled, 155mm, M109 : Firing Projectile, Atomic, XM454, 1969

Ideal for high school and college-level readers as well as students attending military academies and general audiences, this encyclopedia covers the details of the Persian Gulf War as well as the long-term consequences and historical lessons learned from this important 20th-century conflict. • Provides a thorough analysis of the Gulf War that explains its causes, course, strategy and tactics, and significance • Includes insightful biographies of the key individuals involved that identify the factors behind their decisions • Presents a chronology that clearly outlines events and helps students determine the cause-and-effect relationship between them • Supplies a variety of images and maps that engage readers and serve as powerful tools for visual/spatial learners

"Provides an in-depth look at the M109A6 Paladin, with detailed cross-section diagrams, photographs, and additional facts and information."

M109 DS Artillery for Armor

Canadian Artillery Museums and Gun Monuments

Firing Tables for Cannon, 155 Mm Howitzer, M126 and M126E1 on Howitzer, Medium Self-propelled, 155mm, M109 Firing Projectile, HEM483

Scorpion Reconnaissance Vehicle 1972-94

US Field Artillery of World War II

M108/M109 Self-propelled Howitzers

***M109 155mm Self-Propelled Howitzer 1960–2005*Osprey Publishing**

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.

Verlinden Productions

Historical Figure Painting Guide

Shell Drake

M109 155mm Self-Propelled Howitzer 1960–2005

M7 Priest 105mm Howitzer Motor Carriage

Firing Tables (provisional) Cannon, 155mm Howitzer, M126E1 and M126 on Howitzer, Medium, Self-propelled 155mm, M109 Firing Projectile, HE, RA M549

Determined to learn from the lessons of World War I, the US Army developed a new generation of field artillery weapons and tactics during the 1930s. Consequently, in World War II it was the clear leader in field artillery. Providing a thorough examination of the many critical innovations and doctrines, and the impact they had on performance, including the motorization of artillery, Fire Direction Centers, aerial observation, and radio communications. Exploring, in their entirety, the weapons that formed the backbone of the US artillery arsenal in World War II, this book reveals a wealth of detail not readily available elsewhere.

The Gulf War bore witness to a number of deadly encounters between these two great adversaries. Heavily armoured, highly mobile and capable of killing at over 2500m the M1 Abrams is, to this day, a veritable fighting machine. Superior to both Iraq's Soviet era T-55 and T-62 tanks, nearly all sources claim that no Abrams tank has ever been destroyed by enemy fire.

Despite entering service in 1980, the M1 Abrams remained untested in combat until the Gulf War in 1991, where it was to be confronted by its archenemy the Iraqi-assembled Soviet-designed T-72. Entering production in 1971, the T-72 arguably outstripped its contemporaries in a balance of mobility, protection and firepower. By the time of Operation Desert Storm, however, the tables had turned and the tank suffered due to low quality ammunition and poorly trained crews. In this fascinating study, Steven Zaloga pits these two great fighting machines against one another, plotting the development of the Cold War until both tanks met in combat in the deserts of Iraq and Kuwait.

Evaluation of a New Super-Propelling Charge, XM119 for Projectile, HE, M107 to Provide Extended Range in the 155mm Howitzer, Self-propelled, M109 (T196E1).

Manuals 4351 : User Handbook for the Howitzer, Medium, Self-propelled 155mm, M109

Firing Tables for Howitzer, Medium, Self-propelled

Inside the US Army

Operator's manual for howitzer, medium, self-propelled

Manuals 4472 : UK Supplementary Firing Tables to Ft 155-AH-2 for Cannon, 155mm Howitzer M126 on Howitzer, Medium, Self-propelled 155mm, M109, 1971

When Italy surrendered in 1943, it sparked a resistance movement of anti-German, anti-fascist partisans. This book explores the tactics, organizational structure and equipment of the brave Italian resistance fighters. Beginning with low-level sabotage and assassinations, the groups continued to grow until spring 1944 when a remarkable, unified partisan command structure was created. Working in close co-ordination with the Allies, they received British SOE and American OSS liaison teams as well as supplies of weapons. The German response was ferocious, and in autumn 1944, as the Allied advance stalled, the SS and Italian RSI looked to eradicate the partisans once and for all. But when the Allies made their final breakthrough in the last weeks of the war the partisans rose again to exact their revenge on the retreating Wehrmacht. From an expert on Italian military history in World War II, this work provides a comprehensive guide to the men and women who fought a desperate struggle against occupation, as well as the German and Italian fascist security forces unleashed against them.

When conscription was eliminated in the early 1970s, the US Army found itself with a very different kind of soldier. While the personality of the Army remained the same, the organization of its higher levels of command and combat formations, and the internal structure of its units underwent major changes under the 'Army of Excellence' program of the 1980s. This book explores the US Army of the late 80s, including the training methods, weapon systems, Reserve Components, organization and uniforms of one of the world's most potent fighting forces. The text is illustrated with numerous photographs and eight colour plates.

Reg. No. USA 12AN41 (Armament and Fire Control) USATECOM Project No. 2-3-0027-05-F Report No. DPS-1325 (L).

Comparison Test, Letter Report on 155mm Howitzer, Self-propelled, M109

Firing Tables for Cannon, 155mm Howitzer, M126 on Howitzer, Medium, Self-propelled, 155mm, M109, Firing, Projectile, HE, M107, Projectile, Smoke, WP, M110, Projectile, Smoke, BE, M116 and M116B1 (HC and Colored), Projectile, Gas, Persistent, HD, M110, Projectile, Gas, Persistent, H, M110, Projectile, Gas, Persistent, VX, M121A1, Projectile, Gas, Persistent, M121A1, Projectile, Illuminating, M118 Mods, Projectile, Illuminating, M485E1 and M485

Persian Gulf War Encyclopedia: A Political, Social, and Military History

World War II Partisan Warfare in Italy

Artillery Ammunition

"Shell Drake" is an informative and detailed synopsis of the carefully preserved and restored guns and artillery on display in Canada. The Royal Regiment of Canadian Artillery is represented by a long and distinguished line of gunners with historical ties back to the days

before Canada's Confederation. The honour of defending Canada while standing ready to support operations overseas in peace and war continues to this day. In doing so, it is necessary to remember that the weapons of war are an integral part of what keeps this nation safe,

although the examples that have been used to make it so are few and far between. The descriptions of Canadian artillery and the places of honour where they can be viewed highlights the importance of the equipment that brought our nation forward at key turning points in history when our guns were in use as tools of war at home and overseas. This guide book will show the interested reader where to find examples of the historical guns preserved in Canada, and perhaps serve as a window on how Canada's military contribution to security in the world has evolved.

M109 Cab Orientation Engineering Aids

Installation Instructions for Installation Kit, Electronic Equipment MK-2299/VRC (NSN 5895-01-299-5863) (EIC:N/A) to Permit Installation of Radio Set, AN/VRC-87/88C Series in a Howitzer, Medium, Self-propelled, 155mm Gun, M109 A2/A3/A4

M1 Abrams vs T-72 Ural

Cannon, 155mm Howitzer, M126A1 and M126 on Howitzer, Medium, Self-propelled, 155mm, M109 and Cannon, 155mm Howitzer, M1A2 on Howitzer, Medium, Towed, 155mm, M114A2 : Firing Projectile, HE, RA, M549A1 ; Projectile, HE, RA, M549, 1977