

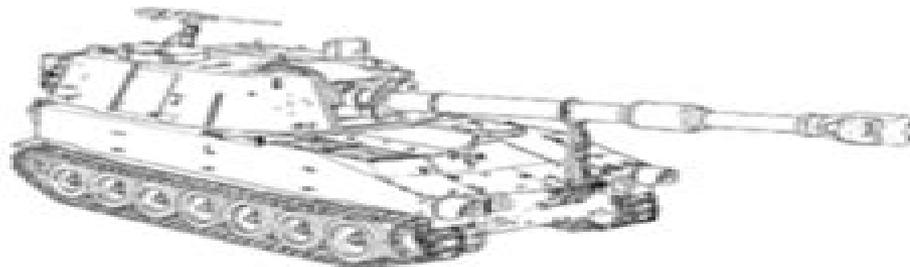
TM 9-2350-311-10

Supersedes TM 9-2350-311-10
and LO 9-2350-311-12, dated
June 1986, and all changes

DEPARTMENT OF THE ARMY
TECHNICAL MANUAL

OPERATOR'S MANUAL
FOR
HOWITZER, MEDIUM, SELF-PROPELLED,
155MM

M109A2 (2350-01-031-0586)(EIC:3EZ)
M109A3 (2350-01-031-8851)(EIC:3E2)
M109A4 (2350-01-277-5770)(EIC:3E8)
M109A5 (2350-01-281-1719)(EIC:3E7)



DESCRIPTION AND USE OF OPERATOR'S CONTROLS AND INDICATORS	2-2	
PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS)	2-14	
MISFIRE PROCEDURES	2-234	
TROUBLESHOOTING PROCEDURES	3-2	
FIRE CONTROL ALIGNMENT TESTS AND MEASUREMENTS	3-81	
U.S. AMMUNITION	5-1	
FOREIGN AMMUNITION (NATO)	6-1	
COMPONENTS OF END ITEM	8-2	
BASIC ISSUE ITEMS	8-4	
ADDITIONAL AUTHORIZATION LIST	C-2	
EXPENDABLE AND DURABLE ITEMS LIST	D-1	

DISTRIBUTION: To be distributed in accordance with the Initial Distribution Number (IDN) 371238 requirements for the TM 9-2350-311-10.

HEADQUARTERS, DEPARTMENT OF THE ARMY

Howitzer Technical Manual

Xiaolong Qi



Howitzer Technical Manual:

Operator's Manual for Howitzer, Medium, Self-propelled, 155mm, M109A2 (2350-01-031-0586) and 155mm, M109A3 (2350-01-031-8851). ,1989 *Operator's Manual* ,1989 **Operator's Manual (crew)** ,1979 Ordnance Maintenance, Quadrant Sights, M1917, M1917A1, M1918, and M1918A1 United States. War Department,1941

Operator's manual for howitzer, medium, self-propelled ,1983 Operator's Manual for Howitzer, Light, Towed, 105-mm, M102 (1015-00-086-8164). ,1985 TM 9-331 155-MM Howitzer M1 and 155-MM Howitzer Carriage M1: Technical Manual War Department,2013-05-01 The 155 mm Howitzer M1 was first produced in 1942 as a medium artillery piece It saw service with the US Army during World War II the Korean War and the Vietnam War before being replaced by the M198 Howitzer The gun was used by the armed forces of many nations and in some countries it still remains in service The 155 mm Howitzer was developed as an afterthought A new carriage was under development for much of the 1930s for the existing World War I era M1918 until 1939 when it was realized that it did not seem logical to put a new carriage underneath an obsolete howitzer Consequently development began anew with a carriage designed to be used for the 155 mm Howitzer This was completed by May 15th 1941 when the Howitzer M1 on the Carriage M1 was standardized The howitzer itself differed from the older model by a lengthened barrel of twenty calibers and a new breech mechanism Uniquely it was the sole slow cone interrupted screw mechanism to enter service after 1920 This meant that two separate movements were necessary to open the breech versus the single movement of the steep cone mechanism that simultaneously rotated and withdrew the breech Created in 1943 this technical manual reveals a great deal about the 155 mm Howitzer M1 s design and capabilities Intended as a manual for those charged with operation and maintenance it details many aspects of its assembly ammunition and accessories Originally labeled restricted this manual was declassified long ago and is here reprinted in book form Care has been taken to preserve the integrity of the text Tm9-325 105mm Howitzer M2a1 Technical Manual Department of the Army,2013-05-01 The 105 mm M2A1 Howitzer was the standard light field artillery piece for the United States in World War II seeing action in both the European and Pacific theaters Starting production in 1941 it quickly entered the war against the Imperial Japanese Army in the Pacific where it gained a reputation for its accuracy and powerful punch The M2A1 fired 105 mm high explosive HE semi fixed ammunition and had a range of 11 270 meters making it suitable for supporting infantry All of these qualities of the weapon along with its widespread production led to its adoption by many countries after the war Its ammunition type also became the standard for many foreign countries later models In 1962 the artillery designation system was changed and the 105 mm M2A1 Howitzer became the M101A1 It continued to see service in the Korean and Vietnam Wars Today the M101A1 has been retired by the U S military though it continues to see service with many other countries Created in 1948 this technical manual reveals a great deal about the M2A1 Howitzer s design and capabilities Intended as a manual for those charged with operation and maintenance it details many aspects of its firing

recoil and other mechanisms Originally labeled restricted this manual was declassified long ago and is here reprinted in book form Care has been taken to preserve the integrity of the text Technical Manual for Direct Support and General Support Maintenance for Cab, Armament, Elevating and Traversing Systems, and Associated Components, Howitzer, Medium, Self-propelled, 155mm, M109A2 (2350-01-031-0586), M109A3 (2350-01-031-8851). ,1986 **Technical Manual** United States. War Department,1943 **Department of the Army Technical Manual for Direct Support and General Support Maintenance for Cab, Armament, Elevating and Traversing Systems, and Associated Components** ,1986 Technical Manual United States. War Department, *War Department Technical Manual* ,1940 **Technical Manual** ,1941 **Operator's Manual for Howitzer, Medium, Self-propelled, 155mm, M109A1 (2350-00-440-8811) 155mm, M109A1 (2350-00-485-9662) and 155mm, M109A3 (2350-01-031-8851).** United States. Department of the Army,1978 **FM 6-81 155-MM Howitzer M1 Field Manual** Department of the Army,2013-06 The 155 mm Howitzer M1 was first produced in 1942 as a medium artillery piece It saw service with the US Army during World War II the Korean War and the Vietnam War before being replaced by the M198 Howitzer The gun was used by the armed forces of many nations and in some countries it still remains in service The 155 mm Howitzer was developed as an afterthought A new carriage was under development for much of the 1930s for the existing World War I era M1918 until 1939 when it was realized that it did not seem logical to put a new carriage underneath an obsolete howitzer Consequently development began anew with a carriage designed to be used for the 155 mm Howitzer This was completed by May 15th 1941 when the Howitzer M1 on the Carriage M1 was standardized The howitzer itself differed from the older model by a lengthened barrel of twenty calibers and a new breech mechanism Uniquely it was the sole slow cone interrupted screw mechanism to enter service after 1920 This meant that two separate movements were necessary to open the breech versus the single movement of the steep cone mechanism that simultaneously rotated and withdrew the breech Created in 1948 this field manual reveals a great deal about the 155 mm Howitzer M1 s design and capabilities Intended as a manual for those in the service of the piece it details many aspects of the M1 s assembly maintenance and accessories Originally labeled restricted this manual was declassified long ago and is here reprinted in book form Care has been taken to preserve the integrity of the text **Direct Support and General Support Maintenance Manual for Howitzer, Medium, Towed, 155-mm, M198 (1025-01-026-6648).** ,1980 **Operator & Organizational Maintenance Manual for Howitzer, Light, Towed** United States. Army Weapons Command. Artillery Weapons Systems Directorate,1972 *Military Occupational Specialties Manual (MOS Manual).* United States. Marine Corps,1991 **75-mm Howitzer Matériel** ,1941

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Table of Contents Howitzer Technical Manual

1. Understanding the eBook Howitzer Technical Manual
 - The Rise of Digital Reading Howitzer Technical Manual
 - Advantages of eBooks Over Traditional Books
2. Identifying Howitzer Technical Manual
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Howitzer Technical Manual
 - User-Friendly Interface
4. Exploring eBook Recommendations from Howitzer Technical Manual
 - Personalized Recommendations
 - Howitzer Technical Manual User Reviews and Ratings

- Howitzer Technical Manual and Bestseller Lists
- 5. Accessing Howitzer Technical Manual Free and Paid eBooks
 - Howitzer Technical Manual Public Domain eBooks
 - Howitzer Technical Manual eBook Subscription Services
 - Howitzer Technical Manual Budget-Friendly Options
- 6. Navigating Howitzer Technical Manual eBook Formats
 - ePub, PDF, MOBI, and More
 - Howitzer Technical Manual Compatibility with Devices
 - Howitzer Technical Manual Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Howitzer Technical Manual
 - Highlighting and Note-Taking Howitzer Technical Manual
 - Interactive Elements Howitzer Technical Manual
- 8. Staying Engaged with Howitzer Technical Manual
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Howitzer Technical Manual
- 9. Balancing eBooks and Physical Books Howitzer Technical Manual
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Howitzer Technical Manual
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Howitzer Technical Manual
 - Setting Reading Goals Howitzer Technical Manual
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Howitzer Technical Manual
 - Fact-Checking eBook Content of Howitzer Technical Manual
 - Distinguishing Credible Sources

13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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