TECHNICAL MANUAL

DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE MANUAL

FOR

LAND MINES

HEADQUARTERS, DEPARTMENT OF THE ARMY

November 1993

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DEPARTMENT OF THE ARMY
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DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE MANUAL (INCLUDING REPAIR PARTS AND SPECIAL TOOLS LISTS) FOR LAND MINES

REPORTING OF ERRORS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual direct to Commander, U.S. Army Armament Research, Development and Engineering Center, ATTN: SMCAR-LSB, Picatinny Arsenal, New Jersey 07806-5000. A reply will be furnished directly to you.

*This publication supersedes TM 9-1345-203-34&P dated 6 November 1978, including all changes.

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CHAPTER 1
INTRODUCTION

Section I. GENERAL

1-1. Scope

a. These instructions apply to land mines and are for use by direct support (DS) and general support (GS) personnel.

b. Operating instructions, operator and organizational level maintenance procedures, and the Maintenance Allocation Chart (MAC) are contained in TM 9-1345-203-12&P Authorized procedures, by level of maintenance, are coded (C, O, F, D) in the MAC.

c. The MAC assigns authorized maintenance functions to the lowest available maintenance level based on the following considerations:

(1) Skills available.

(2) Time required.

(3) Tools and test equipment authorized.

Deviation from maintenance operations as allocated in the MAC is authorized only on approval of the Army commander representative.

d. Unserviceable items and those items included in the Repair Parts and Special Tools list may be replaced at the lowest level indicated in the MAC chart.

e. Tools and equipment generally applicable to land mines are authorized for issue by tables of allowances (TA) and tables of organiation and equipment (TOE), Tools, equipment and repair parts, in addition to those available to the using organization, are supplied to DS and GS maintenance units as required.

1-2. Special Tools and Equipment

Special tools required for maintenance are listed in SC 4940-95-CL-A11 (DS maintenance), SC 4925-95-CL-A03 (GS maintenance), and TM 9-1345-203-12&P

1-3. Fabricated Tools and Equipment

Local fabrication of tools and equipment is not authorized.

1-4. Forms, Records, and Reports

Department of the Army maintenance forms and reporting procedures are prescribed in TM 38-750, AR 700-22, and SB 742-1. Accidents involving injury to personnel or damage to material will be reported on DA Form 2S5 (Accident Report) in accordance with AR 385-40. Explosive ammunition malfunction will be reported in accordance with AR 75-1.

Section II. SAFETY, CARE, AND HANDLING

1-5. Safety, Care, and Handling

Safety, care, and handling requirements are given in TM 9-1300-206, TM 9-1345-203-12&P, and TM 743-200-1.

1-6. Explosive Ordnance Disposal

Explosive ordnance disposal (EOD) includes detection, identification, render safe, recovery, evaluation, and disposal of land mines, which constitute a hazard to personnel. installations, materiel, or operations. EOD also includes disposal of explosive items considered hazardous because of damage or deterioration when destruction is beyond the capabilities of personnel normally assigned for this work. EOD units also provide assistance in the destruction of ammunition to prevent capture by the enemy and in the destruction of captured ammunition.

CHAPTER 2
INSPECTION REQUIREMENTS

Section I. GENERAL

2-1. Purpose of Inspection

a. Inspection, by a quality assurance specialist (Ammunition Surveillance) or by military personnel (MOS 55X40) under the guidance of the quality assurance specialist, is performed to determine item serviceability. Accordingly, criteria are provided to assure that all maintenance performed will restore the item(s) to an acceptable quality level.

b. A complete plan of all maintenance actions and a standing operating procedure (SOP) that contains detailed production techniques, standards, and controls for reducing a quality product are required. See TM 9-1300-250 for planning procedures and SOP preparation.

c. The inspection report includes maintenance required for unserviceable materiel,

2-2. Ammunition Surveillance

The primary purpose of surveillance is to determine ammunition serviceability. See AR 702-6, AR 740-1, AR 702-12, and SB 742-1 for policies, responsibilities, and procedures applicable to the Ammunition Surveillance and Quality Evaluation Program.

2-3. Inspections

a. Types of inspection include, as a minimum, premaintenance inspection (conducted during the unpacking operation); in-process inspection (during maintenance procedures); and final acceptance inspection.

b. Items packed in barrier bags, jungle wrap, or sealed cans are not to be inspected during serviceability inspection unless the sealed package has been opened or damage is suspected. In-process inspection and final acceptance inspection are required for all processed items (ammunition and packing materials) and as an integral part of all maintenance procedures.

c. Fuzes in closed, sealed containers will not be opened for inspection unless damage is visible or suspected.

Section II. CLASSIFICATION OF MATERIAL DEFECTS

2-4. General

Categories of defects are defined in SB 742-1. Ammunition and packaging defects, listed in table 2-1, determine the method of inspection required during maintenance. An Acceptable Quality Level (AQL) established for each defect, also in table 2-1, is provided for evaluation during final acceptance inspection.

Table 2-1. Classification of Material Defects

Item or component	Category	Defect	Method of inspection	AQL
		GENERAL PACKAGING		
Outer Container	Major	Damaged, weathered, or rotted to extent contents are not protected or container is no longer structurally sound	Visual	0.40
	Major	Container cap or closure insecure to extent contents are not protected	Visual/ manual	0.40
	Major	Contents loose to extent item may be damaged in handling	Visual/ manual	0.40
	Minor	Hardware or banding loose, missing, broken, or ineffective	Visual/ manual	0.65
	Minor	Handle or cleat missing or broken	Visual	0.65