

INCH-POUND

MIL-DTL-45417D

31 January 2014

SUPERSEDING

MIL-B-45417C

1 JUNE 1973

DETAIL SPECIFICATION

BANDOLEER, APERS, MINE, M7, ASSEMBLY

Inactive for new design after 16 July 1996

This specification is approved for use by all Departments and Agencies at the Department of Defense.

1. SCOPE

1.1. Scope. This specification describes the requirements and verification methods for the Bandoleer, APERS, Mine, M7, Assembly.

2. APPLICABLE DOCUMENTS

2.1. General. The documents listed in this section are specified in sections 3 and 4 of this specification. This section does not include documents in other sections of this specification or recommended for additional information or as examples. While every effort has been made to ensure the completeness of this list, document users are cautioned that they must meet all requirements documents cited in sections 3 and 4 of this specification, whether or not they are listed.

Comments, suggestions, or questions on this document should be addressed to:
Commander, U.S. Army ARDEC, ATTN: RDAR-QES-E, Picatinny Arsenal, New Jersey
07806-5000 or e-mailed to usarmy.picatinny.ardec.list.ardec-stdzn-branch@mail.mil
. Since contact information can change, you may want to verify the currency of this
information using ASSIST Online database at <https://assist.dla.mil>.

AMSC N/A

FSC 1345

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2.2. Government documents.

2.2.1. Specifications, standards, and handbooks. The following specifications, standards, and handbooks form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those cited in the solicitation or contract.

DEPARTMENT OF DEFENSE STANDARDS

MIL-STD-1168	-	Ammunition Lot Numbering and Ammunition Data Card
MIL-STD-1916	-	DOD Preferred Methods for Acceptance of Product

(Copies of these documents are available online at <http://quicksearch.dla.mil> or from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094.)

2.2.2. Other Government documents, drawings, and publications. The following other Government documents, drawings, and publications form a part of this document to the extent specified herein. Unless otherwise specified, the issues are those cited in the solicitation or contract.

U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER (ARDEC) DRAWINGS

8836015	-	Bandoleer, APERS, Mine, M7, Assembly
13048815	-	Quality Assurance Provisions, Demo

(Copies of the above drawings are available from U.S. Army ARDEC, ATTN: RDAR-EIS-PE, Picatinny Arsenal, NJ 07806-5000 or by email at usarmy.picatinny.ardec.list.drawing-request-help-desk@mail.mil.)

2.3. Order of precedence. Unless otherwise noted herein or in the contract, in the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

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3. REQUIREMENTS

3.1. Required inspections.

3.1.1. First article. When specified (see 6.2), a sample shall be subjected to first article inspection in accordance with 4.2.

3.1.2. Conformance. A sample shall be subject to conformance inspection in accordance with 4.3.

3.2. Materials, components and assemblies.

3.2.1. M7 bandoleer. The M7 bandoleer shall comply with all the requirements specified on drawing 8836015, its components, and its assemblies.

3.3. Workmanship. All parts and assemblies shall be free of tears, rips, burrs, sharp edges, chips, cracks, splits, dirt, rust, corrosion products and other foreign material. All parts shall be assembled without the presence of burn marks, tears, rips, scratches, dirt, grease, rust, corrosion products and other defects and foreign matter. Stitching shall be evenly spaced in regular lines and tight with thread endings securely fastened. Thread breaks and seam end without cross-stitching shall be back stitched for not less than one inch. Cloth shall not be frayed, ripped, cut, unwound, or discolored. The cleaning method used shall not be injurious to any part nor shall the parts be contaminated by the cleaning agent. All required markings shall be neat and sharply defined.

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4. VERIFICATION

TABLE I. Requirement/verification cross reference matrix.

Methods of verification		Classes of verification						
1 – Analysis 2 – Demonstration 3 – Examination 4 – Test		A – First Article B – Conformance						
Section 3 Requirements	Description	Verification Method				Verification Class		Section 4 Verification Method
		1	2	3	4	A	B	
3.1.1	First article			X	X	X		4.2, Table II
3.1.2	Conformance			X	X		X	4.3
3.2.1	M7 bandoleer			X	X	X	X	Table II, Table III
3.3	Workmanship			X		X	X	4.4

4.1. Classification of verification. The verification requirements specified herein are classified as follows:

- a. First article (see paragraph 4.2)
- b. Conformance (see paragraph 4.3)

4.2. First article. When specified, a sample shall be subjected to first article verification in accordance with Table II.

TABLE II. First article tests and inspection.

Classification	Examination or Test	Drawing Number	Sample Size	Requirement Paragraph	Paragraph Reference / Inspection Method
<u>1/</u> <u>1/</u>	<u>M7 Bandoleer.</u> Examination for defects Workmanship	8836015	15 <u>2/</u> <u>2/</u>	3.2.1 3.3	<u>1/</u> 4.4, <u>1/</u>
Notes: <u>1/</u> See 13048815 for explanation of “reference to characteristics” symbol including classification of characteristics, sampling/acceptance requirements, and inspection methods. <u>2/</u> Unless specified otherwise, the sample size for each sub-level drawing shall be in accordance with the sample size of the top level assembly listed.					

4.2.1. First article rejection. If any assembly, component or test specimen fails to comply, the sample shall be rejected.

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4.3. Conformance inspection.

4.3.1. Lot formation. Lot formation shall be in accordance with the lot formation requirements of MIL-STD-1916, paragraph “Formation and identification of lots and batches.

4.3.2. Classification of characteristics.

4.3.2.1. Conformance inspection quantity. Conformance inspection quantities shall be in accordance with Table III, and MIL-STD-1916, paragraph “Sampling of lots or batches.” Drawing 13048815 is used to implement the requirements of MIL-STD-1916 to each component drawing. Inspection sampling requirements for critical, major and minor characteristics are defined in MIL-STD-1916. Unless specified otherwise, Inspection Level VII in addition to 100% inspection shall be used for all characteristics defined as Critical, Inspection Level IV shall be used for all characteristics defined as Majors, and Inspection Level II shall be used for all characteristics defined as Minor.

4.3.2.2. Conformance inspection to be performed. The conformance inspection shall be performed in accordance with Table III.

4.3.2.3. Conformance rejection. If any item fails to comply with the applicable conformance inspection requirements, the lot shall be rejected.

TABLE III. Conformance testing.

Classification	Examination or Test	Drawing Number	Sample Size	Requirement Paragraph	Paragraph Reference / Inspection Method
<u>1/</u> <u>1/</u>	<u>M7 Bandoleer.</u> Examination for defects Workmanship	8836015 <u>2/</u> <u>2/</u>	<u>1/</u> <u>1/</u>	3.2.1 3.3	<u>1/</u> 4.4, <u>1/</u>
Notes: <u>1/</u> See 13048815 for explanation of “reference to characteristic” symbol including classification of characteristics, sampling/acceptance requirements, and inspection methods. <u>2/</u> Includes top level assembly and all sub-level drawings.					

4.4. Workmanship. Visually inspect all parts and assemblies for workmanship. Evidence of said workmanship defects shall be cause for lot rejection.

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5. PACKAGING

5.1. Packaging. For acquisition purposes, the packaging requirements shall be as specified in the contract or order (see 6.2). When packaging of materiel is to be performed by DOD or in-house contractor personnel, these personnel need to contact the responsible packaging activity to ascertain packaging requirements. Packaging requirements are maintained by the Inventory Control Point's packaging activities within the Military Service or Defense Agency, or within the military service's system commands. Packaging data retrieval is available from the managing Military Department's or Defense Agency's automated packaging files, CD-ROM products, or by contacting the responsible packaging activity.

6. NOTES

(This section contains information of a general or explanatory nature that may be helpful but is not mandatory.)

6.1. Intended use. The M7 bandoleer is used to house and carry the tactical M18A1 APERS Mine or practice M68 APERS Mine. The M7 has two pockets, one for the tactical or inert mine assembly and the other for the initiation component(s). Older electrical versions of the M18A1 APERS Mine and M68 APERS Mine assembly used the M4 blasting cap (M10 for Practice assembly), with or without M57 firing device and M40 test set, as part of the full assembly. Newer non-electric versions now have the Mini Det Assembly (Inert Mini Det Assembly) that replace the electrical components.

6.2. Acquisition requirements. Acquisition documents should specify the following:

- a. Title, number, and date of this specification, and of all reference documents cited in Section 2 and applicable documents from Section 6.
- b. Requirement for physical configuration audit.
- c. Requirement for first article inspection.
- d. Requirement for conformance inspection.
- e. Requirement for Ammunition Data Cards (ADC's) as specified in MIL-STD-1168.
- f. Requirement for ammunition lot numbering per MIL-STD-1168.
- g. Ammunition marking requirements.
- h. Acceptance Inspection Equipment (AIE) requirements.
- i. Requirement for certificates of findings (certificates of analysis) on all remaining materials purchased by the contractor or subcontractor when such material is controlled by Government or commercial specifications referenced in any of the contractual documents.
- j. Certificates of conformance(s).

6.3. Amendment overview of changes. The following approved Engineering Change Proposal (ECP) is being incorporated into this document: R13N2001, R04N2017

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6.4. Subject term (key word) listing.

Claymore

Mini detonator

6.5. Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

Custodian:

Army – AR

Navy – MC

Air Force – 11

Preparing Activity:

Army – AR

(Project 1345-2013-011)

Review activities:

Army- AV, MI

Navy – AS, SH,

Air Force – 70, 99

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil>.