

INCH-POUND

MIL-R-63997B(AR)  
AMENDMENT 3  
25 March 1992  
SUPERSEDING  
AMENDMENT 2  
8 April 1991

## MILITARY SPECIFICATION

RIFLE, 5.56MM: M16A2

This Amendment forms a part of MIL-R-93997B(AR), dated 12 December 1986, and is approved for use by U.S. Army Armament, Munitions and Chemical Command and is available for use by all Departments and Agencies of the Department of Defense.

PAGE 9

3.4.5, last line: Add the following sentence before the last sentence:

"The cyclic rate of fire measurement shall be taken on a three round burst, occurring on the sixth or seventh trigger pull."

3.6: Add the following sentence at the end of the paragraph:

"The bar code label shall be firmly affixed to the lower receiver in the position specified on the applicable drawing, the bar coding shall be clearly defined and the number on the label shall agree with the serial number stamped on the receiver."

PAGE 27

4.5.2.2, DEFECT NO. 95: Delete the following:

"Lower Receiver. Missing or illegible receiver markings (serial number manufacturer's identification, selector markings, etc.)"

and substitute:

"Lower Receiver. Incorrect, mislocated, damaged, illegible or missing markings (serial number, bar code label, manufacturer's identification, selector markings, etc.)"

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- \* 4.5.2.2.1, line 4: Delete "complete inspection approval stamp on the lower right hand side of the lower receiver, or the forward face of the magazine well." and substitute "complete inspection approval stamp on the packaging list of each shipping container."

PAGE 37

- 4.7.5.3.2, line 5: Delete "occurring on the fourth or fifth trigger pull" and substitute "occurring on the sixth or seventh trigger pull".

PAGE 43

Group I, last line: Delete "(9349129)" and substitute "(12597640)".

PAGE 47

- \* 4.7.8.1, Delete "Rifles shall be lubricated as specified below at the beginning of the test and after the fifth cycle in every 10 cycle increment. Rifles shall be cleaned and lubricated at the end of every 10 cycles." and substitute "Rifles shall be cleaned and lubricated at the beginning of the test and at the end of every 10 cycles. Rifles shall be lubricated after the fifth cycle and every 10 cycle increments."

PAGE 53

6.1, Add as new subparagraph p.:

"p. Bar code marking requirements."

The attached insertable replacement pages listed below are replacements for stipulated pages. When the new pages have been entered in the document, insert the amendment as the cover sheet to the last previous amendment.

<u>Replacement page</u>	<u>Page Replaced</u>
55	55
56	56

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Class II. Clearable by gunner with available equipment. (Basic Issue Items).

Class III. Not clearable by gunner.

6.5.6 Defective rifle. A defective rifle is a unit of product which contains one or more defects (end item assembly or component).

6.6 Quality program. When warranted, the contract should specify the application of MIL-Q-9858 or MIL-I-45208, as appropriate, in the Management Control Systems Summary List, DD Form 1660.

6.7 Inspection equipment. Unless otherwise specified, the contract should specify the application of MIL-I-45208 and MIL-STD-45662 on the Management Control Summary List, DD Form 1660.

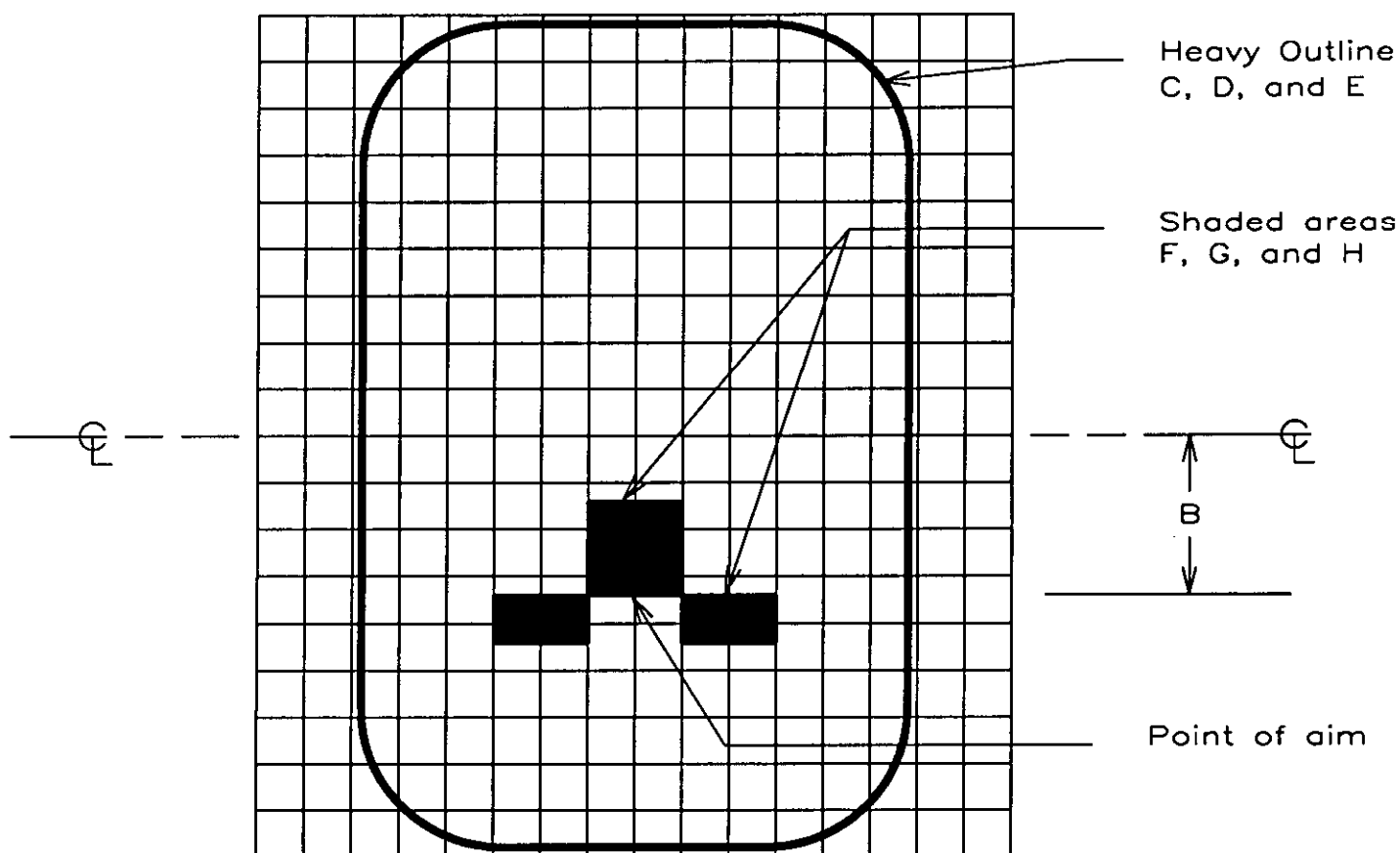
6.8 Drawings. Drawings listed in Section 2 of this specification under the heading U.S. Army Armament Research, prepared by, and identified as Rock Island Arsenal, Frankford Arsenal, Picatinny Arsenal or ARRADCOM drawing. Technical data originally prepared by these activities is now under the cognizance of ARDEC.

6.9 Changes from previous issue. The margins of this specification are marked with asterisks to indicate where changes (additions, modifications, corrections, deletions) from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

6.10 Subject term (key-word) listings.

Gun  
Small arms  
Weapon

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- A - 10 shot group extreme spread
- B - Vertical distance from target centerline to point of aim
- C - Height of heavy outline
- D - Width of heavy line
- E - Radius of corners of heavy outline
- F - Width of shaded areas
- G - Height of upper shaded area
- H - Heights of lower shaded areas
- I - Grid dimensions

Target Diagram For		Dimensions in inches								
		Group	P.O.A.	Heavy Outline			Shaded Areas			Grid
Meters	Yards	A	B	C	D	E	F	G	H	I
91.4	100	4.8	3.5	17.6	11.6	2.8	2.0	2.0	1.0	1.0
45.7	50	2.4	0.9	8.95	5.95	1.5	1.0	1.0	0.5	0.5

FIGURE 1. Targeting and accuracy diagram.

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