

INCH-POUND

MIL-C-48623 (AR)
 AMENDMENT 3
21 March 1991
 SUPERSEDING
 AMENDMENT 2
 7 February 1983

MILITARY SPECIFICATION

CARTRIDGE, BLANK, CALIBER .50, M1A1

This Amendment forms a part of Military Specification MIL-C-48623(AR), dated 17 September 1980, and is approved for use by the US Army Armament, Munitions and Chemical Command, and is available for use by all Departments and Agencies of the Department of Defense.

PAGE 1

2.1: Under SPECIFICATIONS, MILITARY add:

"MIL-C-60616 - Cartridge, 5.56MM, Blank: M200"

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2.2: Under DRAWINGS add:

"9332395 -Packing and Marking Ctgs, Cal .50:
 Linked; Box, Ammunition, M2A1; Box, Wirebound."

Delete:

"F7553346 -Linked, Box, Ammunition, M2A1; Box Wirebound"

Add:

"7553346 -Packing and Marking Cartridges, Cal .50;
 Linked; Box, Ammunition, M2A1; Box, Wirebound."

* 2.2: Under DRAWINGS, U.S. ARMY ARMAMENT RESEARCH AND DEVELOPMENT COMMAND, Delete the following:

"9332395 -Packing and Marking Ctgs, Cal .50, Linked;
 Box, Ammunition, M2A1; Box, Wirebound"

AMSC N/A

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FSC 1305

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- * 2.2: Under DRAWINGS, U.S. ARMY ARMAMENT RESEARCH AND DEVELOPMENT COMMAND, Add the following:

"12576456 -Packing and Marking for Box, Wirebound for Cartridge, .50 Caliber

12576457 -Packing and Marking for Box, Ammo, M2A1 for Cartridge, .50 Caliber"

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- * 3.9: Delete in its entirety and substitute the following:

"3.9 Cyclic Rate. The blank cartridge shall operate the M2 HB and M85 Machine Gun at the average cyclic rate of not less than 450 and 400 cartridges per minute respectively, or more than 600 cartridges per minute at 0° to +125°F."

3.10: Delete "neither" and substitute "not".

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4.3.1: Under "QUANTITY", change "3010" to 3430"

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Delete "TABLE I" in its entirety and substitute the following revised "TABLE I".

TABLE I. FIRST ARTICLE INSPECTION

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CLASSIFICATION OF DEFECTS & TESTS

PARAGRAPH	TITLE	EXAMINATION OR TEST	NO. OF SAMPLE UNITS	SHEET 1 OF 1		DRAWING NUMBER
				AQL OR 100%	REQUIREMENT PARAGRAPH	
	Cartridge					See Below NEXT HIGHER ASSEMBLY
CATEGORY						PARAGRAPH REFERENCE / INSPECTION METHOD
	Cartridge (Dwg. 9326760) Examination for defects		200	1-2	3.3	4.4.2.1
	Function and Casualty					
	a. Ambient		900	4.3.3.1	3.8	4.5.5
	b. 00F		900	4.3.3.1	3.8	4.5.5
	c. +1250F		900	4.3.3.1	3.8	4.5.5
	Fouling (Ambient) (See NOTE 1) Cyclic Rate (Ambient, 00F, +1250) (See NOTE 1) Noise Level (Ambient) (See NOTE 1)		500ea 900 100	0-1 0-1 0-1	3.7 3.9 3.10	4.5.4 4.5.6 4.5.7
	Screen Perforation Muzzle Flash Residual Stress Waterproof		200 20ea 50 20	1-2 0-1 0-1 3-4	3.5 3.6 3.4 3.11	4.5.2 4.5.3 4.5.1 4.5.8

NOTES: NOTE: To be performed during Function and Casualty Testing. (For Fouling Tests, and additional 200 rounds must be fired at ambient temperatures without cleaning through each of the M2 and M85 machine guns giving a total of 500 rounds fired through each of the guns.)

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* 4.3.3.1, Add after Function and Casualty:

"This first article shall be rejected when function and casualty defects observed in all firing tests equal or exceed the rejection number as follows:"

4.4a, Delete: "Primer from one lot and one manufacturer" and substitute "Primers from one interfix and one manufacturer"

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4.4.2.1: For MAJORS 104 and 105, delete "2/" and "3/" respectively and substitute "1".

MAJOR 118, delete "9/" and substitute "8", delete ".40" AQL, and add "50" under column titled "No. of Sample Units."

MAJOR defects 101 thru 117, 123, and 124 add heading titled "EXAMINATIONS"; 118 thru 122 will be headed "TESTS".

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4.4.2.1: For MINOR defects 201 thru 210, add heading titled "EXAMINATIONS".

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4.4.2.1: Delete Notes "2/" and "3/" in their entirety.

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* 4.4.2.1, Change Note 6/, Delete:

"An initial production sample or production lot shall be rejected when function and casualty defects plus all other firing defects listed in paragraph 4.4.3.2 exceed"

Add:

"The lot shall be rejected when function and casualty defects plus firing defects observed in all other firing tests exceed..."

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4.4.2.1: Delete Note "9/" in its entirety.

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- * 4.4.3.2, Table III, Delete Defect "3" entirely and replace with the following:

"3. PRIMER LEAK:

a. Perforation in firing pin indent in primer cup, machine guns	18	45
b. Escape of gas through primer cup other than 3a	6	13
c. Escape of gas around primer cup more than 50% of periphery	12	25
d. Blown primer	0	1
e. Primer falls out of pocket on retraction of bolt (dropped primer)	0	1

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- 4.5.1: Delete "SCATP-7.62MM - Ammunition Ballistic Test Methods" and substitute "MIL-C-60616 - Cartridge, 5.56MM, Blank: M200, Appendix "A".

PAGE 16

5.1, After "7553346" add: "9332394, 9332395, or 11731655"

5.2: Delete "5.5" and substitute "5.1".

- * 5.1, Delete the following Drawing numbers:

"F7553346, 9332394, 9332395, 11731655"

- * 5.1, Add the following Drawing numbers:

"12576457, 12576456"

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