

MIL-M-45013D(AR)
AMENDMENT 2
26 October 1984
SUPERSEDING
AMENDMENT 1
2 November 1983

MILITARY SPECIFICATION

MACHINE GUN, 7.62mm: M60

This amendment forms a part of Military Specification MIL-M-45013D(AR), dated 5 June 1972, and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 2

- * 2.1, Issue of Documents, DRAWINGS: Delete in its entirety and substitute the following:

"DRAWINGS

US ARMY ARMAMENT RESEARCH AND DEVELOPMENT CENTER (ARDC)

PRODUCT DRAWINGS

7269100 - Machine Gun, 7.62mm: M60

INSPECTION EQUIPMENT DRAWINGS

7273907	- Fixture, Targeting and Accuracy
7273911	- Specification, Belt Clearance Requirements
7273920	- Gage, Timer, Firing Cycle
7273925	- Fixture, Fire, Proof, Function and Endurance
7274136	- Instruction Sheet for Measuring Headspace
7274295	- Gage, Flush Pin
7274381	- Gage, Fixture, Holding
7274459	- Gage, Indicator
7274515	- Fixture, Holding
7318984	- Gage, Indicator
7796424	- Gage, weighing
8440920	- Cylinder, Pressure"

PUBLICATIONS: Delete "US ARMY WEAPONS COMMAND" and substitute
"US ARMY ARMAMENT RESEARCH AND DEVELOPMENT CENTER (ARDC)

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- * 3.3.1.4: Delete in its entirety and substitute:

"3.3.1.4 Gas cylinder extension, nut, and plug assembly. The gas cylinder extension and nut shall be assembled securely to the gas cylinder so that there shall be no relative movement and shall be retained by the lock washers. The gas cylinder plug assembly shall be assembled to the gas cylinder with the torque specified on the applicable drawing."

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- * 3.3.12.1: Delete "Guide Assembly" and substitute "Drive Spring Guide".

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- * 3.4.6: Delete "M59 or".

3.4.7 References to paragraph "4.4.3.4" for testing should be corrected to "4.4.3.5".

Delete in its entirety and substitute:

"3.4.7 Endurance. Machine guns shall be capable of firing 10,000 rounds of government standard 7.62mm, M80 Ball Cartridges without incurring more than three immediately clearable malfunctions and the cyclic rate of fire shall be within limits specified in 3.4.5. No unserviceable parts, uncontrolled fire or malfunctions which require disassembly of the machine gun or in excess of one minute to correct are allowed. A malfunction is defined as any unplanned cessation in firing or the inability to commence firing testing shall be in accordance with 4.4.3.5."

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- * Table I: Delete in its entirety.

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- * 4.4.2.2.4: Delete in its entirety.

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- * 4.4.2.2.11.1.1: Delete "c. Visually and manually examine gas cylinder plug and gas cylinder extension lock washer or secure lock wiring and secure assembly."

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- * Add the following paragraph.

"4.4.3.8 Load test of front mounting pin (Dwg 7269100). Upon completion of 100 consecutive and successful load tests on the front mounting pin, the sampling plan for this test shall be in accordance with MIL-STD-105 using inspection Level II and an AQL of 0.65 percent defective. If any lot is rejected, inspection shall revert to 100 consecutive and successful load tests on the front mounting pin before sampling is reinstituted."

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

"4.4.4.1 Unless otherwise specified in procurement documents (see 6.1), responsibility for acquisition, maintenance and disposition of measuring and test equipment required to perform inspections prescribed by applicable specifications shall be in accordance with MIL-I-45607."

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- * 4.5.2, line 7: After "cylinder" add "(Dwg 8440920)".

- * 4.5.4.1.1:

Line 10: Delete "2" in two places and substitute "3" in two places.

Line 11: Delete "1" and substitute "2"

Line 11: Delete "3" and substitute "4"

Line 12: Delete "3" and substitute "4"

Line 12: Delete "2" and substitute "3"

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- * GROUP III: Delete "Guide Assembly, Driving Spring (7269199)" and substitute "Guide, Drive Spring (9362512)".
- * GROUP IV: Delete "Spring Driving (7269303)" and substitute "Spring, Drive (9362511)".

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- * GROUP IX: Delete "Plug, Gas Cylinder (7792093)" and substitute "Gas Cylinder Plug Assembly (9362515)".

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- * 4.5.6.1: Delete in its entirety and substitute:

"4.5.6.1 Machine guns shall be tested for functioning requirement (see 3.4.5) in accordance with the schedule specified in Table II. The machine guns shall be tested using the firing fixture conforming to drawing 7273925. For the first 500 machine guns, the ammunition shall be linked together in 100 round belts with a dummy cartridge separating each 50 rounds (see 4.4.4.2). The belts of ammunition shall hang unsupported vertically from the firing fixture feed tray for a distance of not less than 4 feet (see drawing 7273911). Subsequent machine guns shall be tested using dummy cartridges every 20 rounds (see Table II)."

- * 4.5.6.2: Delete in its entirety and substitute:

"4.5.6.2 The sample machine guns shall be tested for functioning requirement (see 3.4.5) using the firing fixture specified in 4.5.6.1 and using the bandoleer attached to the machine gun. Firing shall be accomplished using both the assigned and spare barrel assembly. The bandoleer shall be loaded with a cartoned 100 round belt of ammunition having a dummy cartridge separating each 50 rounds (see 4.4.4.2). The first 50 rounds shall be fired in interrupted bursts (see Note 1 of Table II) and the next 50 rounds shall be fired in one continuous burst."

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- * Table II, Note 1: Delete "during the" and substitute "during the 50 round".
- * 4.5.7.1, line 8: Delete "3.3.21" and substitute "3.4.6".
- * 4.5.7.2, line 14: Delete "10" and substitute "3".

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- * Add the following paragraph:

"4.5.10 Load test of front mounting pin. The test shall be performed using standard measuring and test equipment."

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- * 6.1.d: Delete in its entirety.

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- * Add the following paragraph:

"6.8 Drawings. Drawings listed in Section 2 of this specification under the heading US Army Armament Research and Development Center (ARDC) may also include drawings prepared by and identified as US Army Armament Research and Development Command (ARRADCOM), Edgewood Arsenal, Frankford Arsenal, Rock Island Arsenal, Picatinny Arsenal drawings. Technical data originally prepared by these activities are now under the cognizance of ARDC."

The margins of this amendment are marked with an asterisk or vertical lines to indicate where changes (additions, modifications, corrections, deletions) from the previous amendment 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 amendment.

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