

INCH-POUND

MIL-P-48655 (AR)
 AMENDMENT 3
12 APRIL 1991
 SUPERSEDING
 AMENDMENT 2
 14 SEPTEMBER 1990

MILITARY SPECIFICATION

PISTOL, SEMIAUTOMATIC, 9MM: M9

This Amendment forms a part of MIL-P-48655(AR), dated 19 December 1987, 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

2.1.1: Delete "MIL-I-6866 - Inspection, Penetrant, Method of".

PAGE 2

2.1.1: Add "MIL-STD-1189 - Standard Department of Defense Bar Code Symbology"

2.1.2: Add "B12913067 - Gage, Spanner".

PAGE 6

* 3.4.1, line 2: Delete "1.930 cm (.760 inches)" and substitute "1.938 cm (.763 inches)"

3.4.2, line 2: Delete "4.50 KG (9.9 lbs.)" and substitute "4.00 KG (8.82 lbs.)".

PAGE 8

TABLE I., Delete "Receiver, broken or cracked" and substitute "Receiver, broken or cracked 5".

TABLE I., Delete "Slide, broken or cracked" and substitute "Slide, broken or cracked 5".

TABLE I., Delete "Barrel, broken or cracked" and substitute "Barrel, broken or cracker 5".

TABLE I., under "Reliability" column: Delete "12" and substitute "12 4".

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TABLE I., Add the following after footnote 3/:

* "4/ For the total sample of 3 pistols, no more than 6 of the
* allowed malfunctions shall be attributable to any one type of
* failure (e.g. failure-to-feed). Further, no more than 4
* malfunctions of any one type (e.g. failure-to-feed) shall be
* allowed on any one of the test pistols. For example, a lot
* would be acceptable with 6 failures-to-eject only if no more
* than 4 of those failures occur on any one pistol. Seven
* failure-to-eject malfunctions would fail a lot, as would five
failures-to-eject on any one pistol.

5/ Breaks or cracks must be visible to the unaided eye
(corrected to 20/20, if required)."

Add as new paragraph 3.4.8.1:

"3.4.8.1 Slide capture mechanism function. At the
conclusion of the reliability test, the slide capture mechanism
shall be capable of preventing the rear half of a slide, which
has been cut in half at the locking block slots, from
separating from the pistol when one round of M882 ammunition is
fired."

Add as new paragraph 3.5.1:

"3.5.1 Bar code marking.

a. The bar code label shall be firmly affixed to the
pistol 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

b. The bar code label shall be readable in accordance
with MIL-STD-1189."

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4.5.2.1, line 3: Delete "4.5.3.1 and 4.5.3.2. " and substitute
"4.5.3.1 and 4.5.3.2 except as noted in individual paragraphs
below."

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4.5.2.1.19, add as new subparagraph c.:

"c. Visually examine the receiver to determine compliance
with the bar code requirements of 3.5.1.a."

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- 4.5.2.1.21: Add at the end of the paragraph: "This may be accomplished prior to testing per 4.5.3.1 and 4.5.3.2 provided that the rear sight is not repositioned after this inspection."
- 4.5.2.1.22: Add at the end of the paragraph "This may be performed prior to testing per 4.5.3.1 and 4.5.3.2."
- 4.5.2.1.23: Add at the end of the paragraph "This may be performed prior to testing per 4.5.3.1 and 4.5.3.2."

Add as new paragraph 4.5.2.1.24:

"4.5.2.1.24 Hammer pin/slide engagement. Gage the minimum engagement between the hammer pin head and the slide slot for compliance with drawing 9346412 using inspection equipment per drawing 12913067. This inspection shall be performed with the slide locked in the rearward position by the slide stop."

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4.5.3.5: Delete "Reliability testing" and substitute "Reliability and slide capture testing".

4.5.3.5.1: Delete in its entirety and substitute:

"4.5.3.5.1 Lot size. The reliability and slide capture test lot is the same lot and is hereafter referred to as the reliability test lot. The first five reliability test lots shall each consist of 500 pistols or a month's production, whichever is smaller. When five successive lots meet the reliability and slide capture requirements, the lot size shall be increased to 3,000 pistols or a month's production, whichever is smaller. When five successive lots of the increased lot size have met the reliability and slide capture requirements, the lot size shall be further increased to 6,000 pistols or a month's production, whichever is smaller. If rejection of a lot occurs at any time, the next smaller test lot size criteria shall be reinstated and the above procedures repeated in returning to the larger lot size. All changes to the reliability lot sizes must be approved by the government representative."

4.5.3.5.2: Delete in its entirety and substitute:

"4.5.3.5.2 Procedure. Three (3) pistols and thirty magazines selected by the Government representative from each reliability lot shall be tested by the contractor for reliability and slide capture using the test method specified in 4.6.8. Pistols selected for reliability testing shall have

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been found satisfactory in all other individual examinations (4.5.2.1) and tests (4.5.3.1 and 4.5.3.2), and shall have been examined with the unaided (see TABLE I, footnote 5) eye (after disassembly of the slide assembly and removing the magazine and the left and right grips) to establish a visual inspection baseline describing visible characteristics such as tool marks or machining imperfections. Failure of the pistols to meet the requirements in 3.4.8 and 3.4.8.1 shall be cause for rejection of the representative lot. If the lot is rejected, the contractor shall conduct a thorough failure analysis to determine the cause of failure and shall effect the necessary corrective action on all pistols of the lot and, as necessary, parts/subassemblies in-process. Following these actions, and if authorized by the procuring agency, the reconditioned lot may be resubmitted for the reliability and slide capture test. Sample size and test methods for reconditioned lots shall be the same as for new lots."

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4.5.3.9, Change paragraph number from "4.5.3.9" to "4.5.3.10".

Add as new paragraph 4.5.3.9:

"4.5.3.9 Bar code readability. A readability test shall be performed on the bar codes on a sample of pistols randomly selected from each lot to determine compliance with 3.5.1.b. Sampling shall be in accordance with Inspection Level I of MIL-STD-105. Test methods and inspection criteria shall be as specified in Appendix A of MIL-STD-1189 using a government approved wand type scanner in both the visible light spectrum (633 nm) and the near-infrared spectrum (800 nm). Failure of the sample to meet the acceptance criteria shall result in rejection of the lot."

PAGE 20

4.6.4, line 2: Delete "(9346444)" and substitute "(9346488)".

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4.6.7.1, Group I: Delete "Spring, magazine catch (9346475)" and substitute "Spring, magazine catch (9346491)".

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4.6.7.1, Group IV: Delete "Slide (9346444)" and substitute "Slide (9346488)".

4.6.7.1, Group VI: Delete "Grip, left (9346450)" and substitute "Grip, left (9346489)".

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4.6.7.1, Group X: Delete "Pin, hammer (9346462)" and substitute "Pin, hammer (9346490)".

4.6.8: Delete "Reliability test" and substitute "Reliability and slide capture test".

4.6.8.4: Delete in its entirety and and substitute:

"4.6.8.4 Inspection. Upon completion of the reliability test, the barrel, slide and receiver shall be visually inspected with the unaided (see TABLE I, footnote 5) eye and compared with the visual inspection baselines established per 4.5.3.5.2 to determine their compliance with TABLE I. Visual inspection shall be in accordance with the provisions of MIL-W-63150."

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Add as new paragraph 4.6.8.5:

"4.6.8.5 Slide capture test. Upon completion of the reliability testing and endurance inspection in accordance with 4.6.8.4, the reliability pistols shall be tested for function of the slide capture mechanism (see 3.4.8.1). The slide from each of the three pistols shall be completely cut in half in the forward area of the locking block slot. Each pistol shall be fully assembled with the exception of the recoil spring and recoil spring guide. One M882 cartridge shall be inserted in the chamber and the severed halves of the slide shall be positioned on the pistol in the normal firing position. The pistol shall be fired. The firing shall be accomplished with the pistol held in a test fixture which allows firing from a safe position in the event that the slide separates from the pistol. Upon approval of the government representative, the reliability/slide capture weapons shall be scrapped."

4.6.9.1, line 15: Delete "After the 1,000 rounds have been fired on each pistol, the pistol shall be cleaned and subjected to magnetic particle inspection (slide and barrel) and dye penetrant inspection (receiver)." and substitute "After the 1,000 rounds have been fired through each pistol, each pistol shall be cleaned and visually examined in accordance with 4.6.8.4."

4.6.9.2, line 16: Delete "After the 2,000 rounds have been fired on each pistol, the pistol shall be cleaned and subjected to magnetic particle inspection (slide and barrel) and dye penetrant inspection (receiver)." and substitute "After the 2,000 rounds have been fired through each pistol, each pistol

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shall be cleaned and visually examined in accordance with
4.6.8.4."

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6.2, add as new subparagraph m.:

"m. Bar coding requirements."

NOTE: The margins of this amendment are marked with asterisks to indicate where changes (additions, modifications, corrections, deletions) from the previous amendment was 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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