

MIL-G-45185  
INTERIM AMENDMENT 4 (WC)  
~~6 June 1967~~  
SUPERSEDING  
INTERIM AMENDMENT 3 (WC)  
18 November 1966

MILITARY SPECIFICATION

GUN, 20MM, AUTOMATIC, M39A2 and M39A3  
(W/REPAIR PARTS AND W/O EQUIPMENT OR ACCESSORIES)

This Interim Amendment is issued for use by the  
Department of the Army with Military Specification  
MIL-G-45185, dated 16 October 1958.

Pages 1 and 2, paragraph 2.1: Make the following changes  
in the list of Applicable Documents:

- Delete "P-C-436 - Cleaning Compound, Alkali-Type"
- Delete "P-S-661" and substitute "P-D-680 Dry Cleaning Solvent"
- Add "MMM-A-260 Adhesive, Water-Resistant, for Sealing Waterproof Paper"
- Delete "MIL-B-117" and substitute "MIL-B-117 Bags and Sleeves, Interior Packaging"
- Delete "MIL-A-148"
- Delete "JAN-C-372" and substitute "MIL-C-372 Cleaning Compound, Solvent - for Bore of Small Arms and Automatic Aircraft Weapons"
- Delete "MIL-T-4239"
- Add "MIL-G-12803 Gasket Material, Non-Metallic"
- Add "MIL-W-13855 Weapons, Small Arms, General Specification for"
- Delete "MIL-W-14539" and substitute "MIL-P-14232 Parts, Equipment and Tools for Ordnance Materiel, Packaging of"
- Delete LSQAP 8410950"
- Add to end of title for D8408660, "and M39A3"

FSC 1005

MIL-G-45185  
Inter Amend 4 (WC)

Add "F8436500 - Gun, 20MM, Automatic, Right Hand,  
M39A3"

Add "F8436501 - Gun, 20MM, Automatic, Left Hand,  
M39A3"

Delete "GL710375"

Page 2, paragraph 3,1: Add to last line of paragraph,  
"F8436500 or F8436501, as appli-  
cable".

Page 3, add new paragraph 3.3 as follows:

"3.3 Workmanship. Workmanship and general require-  
ments, not covered specifically in this specification, shall  
be as specified in MIL-W-13855."

Page 3, paragraph 4.1: Delete entire paragraph, including  
sub-paragraphs 4.1.1, 4.1.2, and 4.1,3 and substitute:

"4.1 Responsibility for inspection, Unless otherwise  
specified in the contract or purchase order, the supplier is  
responsible for the performance of all inspection require-  
ments as specified herein. Except as otherwise specified,  
the supplier may utilize his own facilities or any commercial  
laboratory acceptable to the Government. The Government reserves  
the right to perform any of the inspections set forth in this  
specification where such inspections are deemed necessary  
to assure supplies and services conform to prescribed require-  
ments."

Page 4, paragraph 4.2.2.3: Delete "MIL-P-116" and sub-  
stitute "MIL-P-14232".

Page 4, paragraph 4.2.3.1: Delete entire paragraph.

Page 4, paragraph 4.2.3.3: Delete entire paragraph.

Page 4, paragraph 4.2.3.4: Delete "MIL-P-116" and sub-  
stitute "MIL-P-14232".

Page 4, paragraph 4.2.4.3: Delete sixth and seventh  
sentences.

Page 4 and 5, paragraph 4.2.4.5.1: Delete the second  
paragraph, page 5,  
beginning "Failure  
of the weapon--"  
and substitute:

"Failure of the weapon during endurance firing test shall reject  
the lot unless the supplier demonstrates to the satisfaction of

MIL-G-45185  
Inter Amend 4 (WC)

the Government representative that the failure was not caused by a defect, or defects, in the weapon. If the Government representative is satisfied that the failure was not caused by a defect, or defects, in the weapon, a second weapon, taken at random from the same lots shall be tested. Failure or the second weapon to meet the test requirements shall be cause for rejection of the lot."

Page 5, paragraph 4.2.5: Delete entire paragraph, including sub-paragraphs 4.2.5.1 4.2.5.2 and 4.2.5.3

Page 6, paragraph 4.4: Delete entire paragraph.

Page 6, paragraph 5.1: Delete from list of packaging materials, bottom of page, entire first line beginning "VCI treated barrier material ----".

c". Delete, in second line, "Grade A" and substitute "Style

Delete from entire fourth line, "Ammunition container board--".

Delete, in sixth line, "JAN-C-372" and substitute "MIL-C-372",

Delete, in first line, top of page 7, "P-S-661" and substitute "P-D-680".

Delete, in second line, top of Page 7, reference to Adhesive of MIL-T-4239. Line shall read, "Water-Resistant Class 1, and any color, of PPP-T-60".

Page 7, paragraph 5.2.2.2: Delete entire paragraph and substitute the following:

2.2.2 Barrel assembly. Immediately following proof firing, the bore and chamber of the barrel shall be cleaned with brushes conforming to Drawings B7225087 and B7308234 and with swabs saturated with rifle bore cleaner conforming to MIL-C-372. The brushes and swabs shall be passed through el bore as many times as necessary to obtain the required cleanliness. The chamber and bore shall then be rinsed with solvent conforming to P-D-680.

Page 7, paragraph 5.2.4.1: In line 4, delete "5.2.3" and substitute "5.2.1".

Page 8, paragraph 5.3.1.1: In line 2, delete "fill" and substitute "bill". Delete all of the sixth sentence;

MIL-G-45185  
Inter Amend 4 (WC)

Page 8, paragraph 5.3.1.1: Line 26, delete the balance of the paragraphs beginning "Prior to sealing the ---", and substitute the following:

"Prior to sealing the cap to the body of the container tube, spacers fabricated from material conforming to Type I of - MIL-B-20390, size 2-1/8-inch in diameter and of appropriate thickness, shall be inserted between the cap and the end of the wrapped barrel, to prevent endwise movement of the barrel. The container tube shall be sealed by applying a 20-inch length of pressure sensitive tape (see 5.1) circumferentially to form a seal at the junction of both sections of the tube."

Page 8, paragraph 5.3.1.3: In lines 12, 15, 27, and 33, add "moldable" before "VCI".

Page 8, paragraph 5.3.1.3: Line 23, sentence beginning "The eight bolts -----", delete the second word "eight" and substitute "four".

Page 8: Add new paragraph 5.3.2 as follows:

"5.3.2 Level C. Level C packaging shall be the same as Level A."

Page 9, paragraph 5.4.2: Delete "Air Force Forms, Numbers DD829, DD829-1, DD829-2 - Historical Record of Aeronautical Equipment Forms, Automatic Guns" and substitute "Air Force AFTO Form 95 - Significant Historical Record".

In line 8, delete "forms" and substitute "form".

In line 10, delete "they" and substitute "it".

Page 9: Add new paragraph 5.4.3 as follows:

"5.4.3 Level C. Level C packing shall be the same as Level A."

Page 10, paragraph 5.5.3.2: In lines 4.5.6, and 7, delete "Forms DD829, DD829-1, DD829-2 - Historical Record of Aeronautical Equipment" and substitute "AFTO Form 95 - Significant Historical Record."

Page 10, paragraph 5.6: Delete entire paragraph and substitute:

"5.6 Repair parts. Repair parts shall be prepared for delivery as specified on the packaging data sheets furnished by the procuring agency."

Page 10, paragraph 6.1: Delete item (f) and substitute "(f) List of maintenance and repair parts required, with title and number".

MIL-G-45185  
Inter Amend 4 (WC)

Page 10, paragraph 6.1: Delete item (g).

Page 10, paragraph 6.1: Add item (l) as follows:

" (l) Level of protection required (see Section 5). "

Page 10, paragraph 6.1: Add item (m) as follows:

"(m) List of applicable packaging data sheets (see 5.6)."

Page 10, paragraph 6.3: Delete "Forms Number DD829, DD829-1, DD829-2 - Historical Record of Aeronautical Equipment, Automatic Guns", and substitute "AFTO Form 95 - Significant Historical Record."

Page 10, Notice: Delete entire "Notice", Paragraph, bottom of page, following paragraph 6.3.

Page 11, Figure 1: In third note from top, left-hand illustration, delete "MIL-A-140" and substitute "MMM-A-260".

Page 11, Figure 1: Line 4 of note beginning: "Receiver shall be mounted on ----", change first word "eight" to "four".

Custodian:

Army - WC

Preparing activity:

Army - WC

Project No. 1005-A390.