

INCH-POUND

MIL-S-10058H (AR)
AMENDMENT 4
04 March 1996
SUPERSEDING
AMENDMENT 3
12 February 1993

MILITARY SPECIFICATION

SIMULATOR, PROJECTILE, GROUND BURST, M115A2 PARTS FOR AND LOADING, ASSEMBLING AND PACKING

This Amendment forms a part of Military Specification MIL-S-10058H (AR), dated 3 February 1982, and is approved for use within the U.S. Army Armament, Research, Development and Engineering Center and is available for use by all Departments and Agencies of the Department of Defense.

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2.1.2 Other Government documents, drawings and publications.

Delete: "29345133 - Simulator, Projectile, Ground Burst, M115A2. Alternate"

PAGE 3

3.2 Assembly.

Line 2, delete: "and 9345133".

- 3.3.2: Flash Charge. Delete "Flash Charge" and substitute "Flash Composition", twice.

3.4.1.1 Audible whistle.:

Line 3, delete "Dwg. 7549246/9345133" and substitute "Dwg. 7549227".

AMSC N/A

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FSC 1370

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3.5.1.1:

Line 3, delete "Dwg. 7549246/9345133" and substitute "Dwg. 7549227".

3.6: Add to line 2 after requirements "For the First Article Test and as specified in 4.4.3.3.1."

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Table I. First article inspection.

Tube, inner. Delete: "/9345134".

Whistle Loading Assembly. Delete: "/9345141".

Whistle and Cover Assembly. Delete: "/9345140".

Charge Loading Assembly, Prior to Sealing Cup Assembly. Delete: "9345136".

Charge Loading Assembly. Delete: "/9345136".

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Table I. First article inspection

Assembly, Prior to Assembly Of Disc and Washer Assembly. Delete: "/9345133".

Assembly. Delete: "/9345133".

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Table I. First article inspection.

Simulators (Complete Assemblies). Delete: "/9345133".

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4.4.2.1 Tube, Inner

Delete drawing number: "/9345137".

Delete next higher assembly: "/9345133".

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4.4.2.2 Whistle loading assembly:

Delete next higher assembly "Dwg. 7549246/9345133" and substitute "Dwg. 7549235".

Delete drawing number: "/9345141".

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4.4.2.3 Cover assembly:

Delete Minor 202 in its entirety.

Add: "Minor 205 Crimp depth below min., 0.65%, 3.2, Gage".

Delete next higher assembly: "/9345133".

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4.4.2.4 Whistle and cover assembly:

Delete drawing number: "/9345140".

Delete next higher assembly: "/9345133".

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4.4.2.5 Charge Loading Assembly, Prior to Sealing Cup Assembly: (net effect of previous amendment's changes)

Delete drawing number: "/9345136".

Delete next higher assembly: "/9345133".

Note 1:

Add: "Alternate Method: Empty the contents of the charge loading assembly 8815588 into a tared pan and determine the weight of the photoflash charge."

- * Second para.: delete "photoflash charge", and substitute "flash composition".
- * Third para.: delete "photoflash charge, and substitute "flash composition".

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4.4.2.6 Charge loading assembly:

Delete drawing number: "/9345136".

Delete next higher assembly: "/9345133".

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4.4.2.7 Assembly, prior to assembly of disc.

Delete drawing number: "/9345133".

Delete next higher assembly: "/9345133".

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4.4.2.8 Assembly.

Delete drawing number: "/9345133".

Delete next higher assembly: "/9345133".

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4.4.2.9 Simulator, projectile destructive test lot acceptance.

Delete drawing number: "/9345133" (three places).

Notes: Delete the following in Note (a): "and 4.4.3.3.2."

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4.4.2.9 Simulator, projectile destructive test lot acceptance.

Delete drawing number: "/9345133".

Add Minor 202 Tube Wrinkled (see para 6.5), 0.65%, 3.2, Visual.

Add Minor 203 Poor workmanship, 1.0%, 3.11, Visual.

Notes: Delete the following In Note (a): "and 4.4.3.3.2".

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4.4.2.1.0: Paperboard box, prior to sealing.

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Add Major "103 Instruction sheet missing, 0.40%, 3.2, Visuals."

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- * 4.4.3.1: Table II. Delete "Flash Charge or ingredients" and substitute "Flash Composition or ingredients".

4.4.3.2: Determination of granulation and composition.

Delete drawing number: "/9345136" (two places).

- * Delete "Photoflash Charge" substitute "Flash Composition".
- * Table III. Delete "(see dwg. 8865588)" and substitute "(see Dwg. 1272326)", twice.

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4.4.3.3.1:

Line 3: Delete "eighty (80)" substitute "fifty (50)".

Line 4: Delete "From each lot" and substitute "For this test and every fourth (4th) lot thereafter."

4.4.3.2: Delete in its entirety.

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- * 4.5.1.2 Delete in its entirety and substitute:

"4.5.1.2 Flash Composition. Determination of moisture content of the flash composition shall be performed by transferring a 5 gram sample to a tared weighing dish. Weigh the dish and the contents and then place in an oven maintained at a 100 degrees Centigrade for three (3) hours. Cool in a desiccator and weigh. Calculate the loss in weight of the dish and contents as percentage of moisture in the sample."

Note: Moisture content shall be controlled as specified in 4.4.3.1. For verification, a sample shall be taken from the contents of a "dummy" body used in conjunction with the loading of the simulators. Moisture content shall be determined as specified above.

- * Add new para. 4.5.1.4:

"4.5.1.4 Alternate Method (for flash composition and felt, paper produces and carton packing material). The moisture content shall be determined in

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accordance with Method T101.4 of MIL-STD-286. Timer shall be set to the minimum time required to obtain constant readings. Temperature settings shall be 100 +/- 5 degrees Centigrade."

* 4.5.2.1:

Delete "and with the requirements ... MIL-P-48239."

Add: "Note: In order to avoid the dangerous operation of screening the flash composition, the contractor may perform this test by screening the individual ingredients prior to blending."

4.5.2.2 Composition of pyrotechnic powder. Delete drawing number: "/9345136".

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6.5 Add: "Outer tube wrinkles. Wrinkles in the outer tube within one-half (.5) inch of the crimp shall be acceptable provided there is no damage to the tube, i.e., (cuts, holes or tears)."

6.6 Functioning test summary.

	First Three Consecutive <u>Acceptable Samples</u>	Reduce <u>Samples</u>
Test jumble	Delete "80" substitute "50"	Delete "32"

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