

INCH-POUND

MIL-C-70845A (AR)
AMENDMENT 1
17 SEPTEMBER 1999

MILITARY SPECIFICATION

CARTRIDGE, 9MM, PRACTICE, TRACER, M939

MIL-C-70845A was inactivated after 13 January 1997 For New Design

This Amendment forms a part of MIL-C-70845A(AR), dated 16 August 1994, and is approved for use by the US Army Armament Research, Development and Engineering Center and is available for use by all Departments and Agencies of the Department of Defense.

PAGE 4

3.3.5, first line: Delete "(EPVAT Barrel)".

3.3.6, first line: Delete "(M287 Barrel)".

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3.3.6.1, first line: Delete "(M287 Barrel)".

3.3.7, first line: Delete "(M287 Barrel)".

3.3.8, first line: Delete "(M287 Barrel)".

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3.3.9.1, first line: Delete "(M287 Barrel)".

line 5: Delete "of a M287 barrel" and substitute "the velocity test barrel".

3.3.9.2, first line: Delete "(M287 Barrel)".

line 3: Delete "fired from the M287 Sub-Caliber Trainer".

3.3.9.3, first line: Delete "(EPVAT Barrel)".

3.3.9.4, first line: Delete "(M287 Barrel)".

3.3.10, first line: Delete "(M287 Barrel)".

3.3.11, first line: Delete "(M287 Barrel)".

3.4, first line: Delete "(M287 Barrel)".

AMSC N/A

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FSC 1305

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3.5.1, first line: Delete "(M287 Barrel)".

3.5.2, first line: Delete "(EPVAT Barrel)".

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TABLE II, under "INSPECTION METHOD REFERENCE" column for "Velocity for trajectory control": Delete "4.5.18" and substitute "4.5.17".

PAGE 18

4.4.4.2, under "INSPECTION METHOD REFERENCE" column for "Velocity for trajectory control": Delete "4.5.18" and substitute "4.5.17".

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Add paragraph 4.4.6.1:

"4.4.6.1 Velocity test barrel. Where a velocity test barrel is specified, it shall conform to the following performance requirements: The barrel shall be chambered to accept the M939 cartridge (drawing 12913886), have a suitable firing mechanism, and be capable of being rigidly mounted. The barrel length shall be 209.55mm ± 0.40mm (8.25in ± 0.02in) and minimum wall thickness shall be 9.76mm ± 0.40mm (0.384in ± 0.02in). Rifling shall consist of six equally spaced lands and six grooves 3.098mm ± 0.102mm (0.122in ± 0.004in) wide. Land diameter shall be 8.712mm + 0.0127mm (0.3430in + 0.0005in) and groove diameter shall be 9.042mm + 0.025mm (0.356in + 0.001in). Maximum corner radius of lands and grooves shall be 0.127mm (0.005in). Finish on all interior surfaces shall be 32. Rifling twist shall be right hand, 7 inches per turn. Velocity test barrel drawing 12972582 is provided for reference."

4.5, Add to end of paragraph: "For all ballistic tests, the pressure and velocity test barrels shall be qualified by firing reference ammunition (provided by the Government) and determining a correction factor based on the assessed value (provided by the Government) with the reference ammunition for use in that barrel. See the applicable Inspection Equipment List to determine the appropriate barrel for each test."

4.5.4, line 2: Delete "DOD-STD-1168" and substitute "DOD-STD-1468".

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4.5.5, Add to end of paragraph: "Inspection equipment shall be in accordance with EL12914032."

4.5.7, Add to end of paragraph: "Inspection equipment shall be in accordance with EL12914034."

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6.3, line 3: Delete "SMCAR-QAF-S" and substitute "AMSTA-AR-QAC-C".

6.5, line 3: Delete "SMCAR-SF" and substitute "AMSTA-AR-QAW-S".

6.6, line 4: Delete "SMCAR-SF" and substitute "AMSTA-AR-QAW-S".

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6.8, line 3: Delete "SMCAR-CCL-SD" and substitute "AMSTA-AR-CCL-B".

PAGE 32

20.0: Delete "This section is not applicable to this appendix." and substitute "EL12914033".

30.1, Delete in its entirety and substitute:

"30.1 Equipment. Equipment used in this test shall be approved by the Government prior to testing (see 6.3)."

40.2: Delete in its entirety.

40.3: Renumber to "40.2".

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40.4: Renumber to "40.3".

40.5: Renumber to "40.4".

50.4, line 3: Delete "in each trainer".

PAGE 36

20.0: Delete "This section is not applicable to this appendix." and substitute "EL12957013".

40.1, line 2: Delete "at the training weapon" and substitute "at the weapon".

line 4: Delete "of the trainer".

40.2, first line: Delete "at the trainer" and substitute "at the weapon".

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20.0: Delete "This section is not applicable to this appendix." and substitute "EL12914034".

30.2: Delete in its entirety.

40.1.2, first line: Delete "Trainer. The trainer" and substitute "Test Mount. The weapon".

40.1.3, last line: Delete "of the trainer" and substitute "of the weapon".

40.2.2, line 2: Delete "the trainer" and substitute "the weapon".

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Title: Delete "M287 TRAINER".

20.0: Delete "This section is not applicable to this appendix." and substitute "EL12957013".

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50.2: Delete in its entirety.

50.3: Renumber to "50.2".

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50.4: Renumber to "50.3".

Custodian:
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Preparing activity:
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