

MIL-H-52112B(ME)
AMENDMENT 1
28 October 1986

MILITARY SPECIFICATION

HEATING TORCH, EQUIPMENT

WINTERIZATION, INSTANT LIGHTING

This amendment forms a part of MIL-H-52112B(ME), dated 24 April 1983, and is approved for use within the USA Belvoir Research, Development, and Engineering Center, Department of the Army and is available for use by all Departments and Agencies of the Department of Defense.

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Under SPECIFICATIONS, MILITARY, delete "-Packaging" from the title of MIL-P-116.

Under STANDARDS, MILITARY, delete MIL-STD-1188" in its entirety. Add:

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| "MIL-STD-889 | - Dissimilar Metals." |
| "MIL-STD-1186 | - Cushioning, Anchoring, Bracing, Blocking and Waterproofing, With Appropriate Test Methods." |

2.2, under "AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)", add:

"D 3951 - Standard Practice for Commercial Packaging."

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3.2, delete in its entirety and substitute:

"3.2 First article. Unless otherwise specified (see 6.2), a sample shall be subjected to first article inspection (see 4.3 and 6.3). Any changes or deviations of the torches from the approved first article during production will be subject to the approval of the contracting officer. Approval of the first article will not relieve the contractor of his obligation to furnish torches conforming to this specification."

After 3.3, add the following new paragraphs:

"3.3,1 Material deterioration prevention and control. The torch shall be fabricated from compatible materials, inherently corrosion resistant or treated

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to provide protection against the various forms of corrosion and deterioration that may be encountered in any of the applicable operating and storage environments to which the torch may be exposed.

"3.3.2 Dissimilar metals. Dissimilar metals shall not be used in intimate contact with each other unless protected against galvanic corrosion. Dissimilar metals and methods of protection are defined and detailed in MIL-STD-889.

"3.3.3 Identification of materials and finishes. The contractor shall identify the specific material, material finish or treatment for use with component and subcomponent, and shall make information available upon request to the contracting officer or designated representative."

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4.1.1, delete in its entirety and substitute:

"4.1.1 Responsibility for compliance. All items must meet all requirements of sections 3 and 5. The inspection set forth in this specification shall become a part of the contractor's overall inspection system or quality program. The absence of any inspection requirements in the specification shall not relieve the contractor of the responsibility of assuring that all products or supplies submitted to the Government for acceptance comply with all requirements of the contract. Sampling in quality conformance does not authorize submission of known defective material, either indicated or actual, nor does it commit the Government to acceptance of defective material."

Add the following new paragraph:

"4.1.2 Component and material inspection. The contractor is responsible for insuring that the components and materials used are manufactured, examined, and tested in accordance with referenced specifications and standards."

4.2.a, delete "Reproduction" and substitute "First article".

4,3, delete "Reproduction" from the title and substitute "First article".

4.3.1, line 1, delete "reproduction" substitute "first article".

4.3.2, line 1, delete "preproduction" substitute "first article".

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4.5.1, add the following new examinations:

- "109. Materials not resistant to corrosion and deterioration, or treated to be resistant to corrosion and deterioration for the applicable storage and operating environments.
- 110. Dissimilar metals as defined in MIL-STD-889 are not effectively insulated from each other.
- 111. Contractor does not have documentation available for identification of material, material finishes, or treatment."

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4.6.1.3, delete in its entirety and substitute:

"4.6.1.3 Examination. Samples selected in accordance with 4.6.1.2 shall be examined for the following defects. Acceptable Quality Level (AQL) shall be 1.0 percent defective.

- 112. Unpainted metal surfaces not coated with preservative and wrapped or covered as specified for level A.
- 113. Repair parts and maintenance tools not preserved as specified for level A and not placed in provided compartment.
- 114. Torches not immobilized within the unit container as specified for level A.
- 115. Boxes not waterproof sealed as specified for level A.
- 116. Preservation and packing not in accordance with the referenced document as specified for commercial packaging.
- 117. Quantities packed together exceed the weight or size limitations specified for the shipping container for level A or B.
- 118. Marking missing, illegible, incorrect, or incomplete for level A, B, or commercial."

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Delete paragraphs 5.1.1 through 5.2.3, in their entirety and substitute:

"5.1.1 Level A.

"5.1.1.1 Unprotected surfaces. Unpainted ferrous metal surfaces of the torch shall be coated with type P-7 preservative conforming to the applicable specifications listed in and applied in accordance with MIL-P-116. The coated surfaces shall be wrapped or covered with barrier material conforming to MIL-B-121, type II, grade A, class 1 or 2. The material shall be secured in place with tape conforming to PPP-T-60, type IV or be heat sealed as applicable.

"5.1.1.2 Repair parts and maintenance tools. The preservative application criteria and applicable methods of preservation of MIL-P-116 shall be used to preserve repair parts and maintenance tools. After preservation, the tools and parts shall be placed in the compartment provided in the bottom of the tank.

"5.1.1.3 Consolidation. Each torch with its repair parts and tools shall be placed in a close fitting box conforming to PPP-B-636, W6c. The contents shall be immobilized within the box to prevent movement or damage in accordance with any of the methods of MIL-STD-1186. Box closure and sealing shall be as specified for method V in the appendix to the box specification.

"5.1.2 Commercial. Each complete torch shall be preserved and individually placed in a container in accordance with ASTM D 3951.

"5.2 Packing. Packing shall be level A, level B, or commercial as specified (see 6.2).

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"5.2.1 Level A. Torches preserved as specified in 5.1 shall be placed together in fitting boxes conforming to PPP-B-601, overseas type, style I. Gross weight of boxes shall not exceed 200 pounds. Box closure and strapping shall be in accordance with the appendix to the box specification. Strapping shall be flat, zinc coated steel.

"5.2.2 Level B. Torches preserved as specified in 5.1, shall be packed together i-se fitting box conforming to PPP-B-636, V3c, V11c, V13c, or V15c; or PPP-B-640, class 2, style optional. The gross weight or size of each box shall not exceed the limitations of the applicable box specification. Box closure and strapping shall be in accordance with the appendix to the applicable box specification.

"5.2.3 Commercial. Torches preserved as specifed in 5.1 shall be packed in shipping containers in accordance with ASTM D 3951."

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5.3.2, line 2, delete: "MIL-STD-1188." substitute "ASTM D 3951. In addition, weight and cube data shall be marked on each shipping container."

6.2.c, delete in its entirety and substitute:

"c. When a first article is not required (see 3.2)."

6.2.d, delete in its entirety and substitute:

"d. Time frame required for submission of first article (see 3.2)."

6.2, add:

"e. Degree of preservation and degree of packing required (see 5.1 and 5.2)."

6.3, delete in its entirety and substitute:

"6.3 First article. When a first article inspection is required, the items should be a preproduction model. The first article should consist of one or more units. The contracting officer should include specific instructions in acquisition documents regarding arrangements for examinations, tests, and approval of the first article test results and disposition of the first article."

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