

MIL-R-27521A(USAF)
AMENDMENT 13 Apr 84

MILITARY SPECIFICATION
RECEPTACLE, FLYING BOOM, AERIAL REFUELING
GENERAL SPECIFICATION FOR

This amendment forms a part of Military Specification MIL-R-27521A(USAF) dated 24 June 1971, and is approved for use by the Department of the Air Force and is available for use by all Departments and Agencies of the Department of Defense.

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Add to bottom of Page:

"Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: the Engineering Division, San Antonio ALC/MMEDO, Kelly AFB, Texas 78241 by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter."

1.1, delete in its entirety and substitute the following:

"1.1 Scope. This specification covers the requirements for aerial refueling flying boom receptacles."

2.1, delete in its entirety and substitute the following 2.1 and add new paragraph 2.1.1:

"2.1 Government documents.

2.1.1 Specifications and standards. Unless otherwise specified (see 6.2), the following specifications and standards of the issue listed in that issue of the Department of Defense Index of Specifications and Standards (DoDISS) specified in the solicitation, form a part of this specification to the extent specified herein."

Under SPECIFICATIONS, MILITARY, delete title to MIL-W-5086 and substitute "Wire, Electric, Polyvinyl Chloride Insulated, Copper or Copper Alloy."

MIL-W-5088, delete title and substitute "Wiring Aerospace Vehicle."

Delete "MIL-W-5503" and title in its entirety and substitute "MIL-A-5503, Actuator Aeronautical Linear Utility Hydraulic, General Specification for."

Delete "MIL-T-5624" and title in its entirety and substitute "MIL-C-7024 Calibrating Fluid, Aircraft Fuel System Components."

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MIL-F-7179, delete title and substitute "Finishes and Coatings, Protection of Aerospace Weapons Systems, Structures and Parts, General Specification for."

Delete "MIL-P-8585, Primer Coating, Zinc Chromate Low Moisture-Density" and substitute "TT-P-1757 Primer Coating, Zinc Chromate, Low Moisture Sensitivity."

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MIL-W-25038, delete title and substitute "Wire, Electrical, High Temperature and Fire Resistant, General Specification for."

Delete the following:

"MIL-F-25558, Fuel, Ramjet Engine, Grade RJ-1" and "MIL-J-25656, Jet Fuel, Grade JP-6."

MIL-S-38449, delete title and substitute "Signal and Signal/Intercommunication Amplifiers, Universal, Aerial Refueling."

Under STANDARDS, MILITARY, delete "MIL-STD-100" and substitute "DOD-STD-100" same title.

MIL-STD-461, delete title and substitute "Electromagnetic Emission and Susceptibility Requirements for the Control of Electromagnetic Interference."

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MIL-STD-704, delete title and substitute "Aircraft Electric Power, Characteristics."

Under PUBLICATIONS, delete "Air Force-Navy Aeronautical Bulletin 438, Age Controls of Age-Sensitive Items" and substitute: "MIL-STD-1523 Age Control of Age-Sensitive Elastomeric Material."

Delete parenthetical source paragraph and substitute the following:

"(Copies of specifications, standards, handbooks, drawings, and publications required by manufacturers in connection with specific acquisition functions should be obtained from the contracting activity or as directed by the contracting officer.)"

2.2, delete in its entirety and substitute the following:

"2.2 Other publications. The following document(s) form a part of this specification to the extent specified herein. The issues of the documents which are indicated as DoD adopted shall be the issue listed in the current DoDISS and the supplement thereto, if applicable."

Add the following industry standard and source paragraph:

"AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

ASTM D 3951-82 Standard Practice for Commercial Packaging

(Application for copies of ASTM publications should be addressed to the American Society for Testing and Materials, 1916 Race Street, Philadelphia, Pennsylvania 19103.)"

Add the following new paragraph 2.3:

"2.3 Order of precedence. In the event of a conflict between the test of this specification and the references cited herein, the text of this specification shall take precedence."

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3.1, delete in its entirety and substitute the following:

"3.1 First article. This specification makes provisions for first article testing."

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3.4, line 5, delete "MIL-T-25558 and MIL-J-25656(JP-6)."

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3.8, line 3, delete "MIL-STD-100" and substitute "DOD-STD-100"

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3.12.3, line 2, delete "MIL-P-8585" and substitute "TT-P-1757."

3.13.1, line 3, delete "ANA Bulletin 438" and substitute "MIL-STD-1523."

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4.1, line 2 and line 4, delete "supplier" and substitute "contractor."

4.2.a, delete "Preproduction tests" and substitute "First article tests."

4.3.3, line 2, delete "MIL-T-5624, JP-4 Fuel" and substitute "MIL-C-7024, Type II (Fluid, Calibrating)."

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4.4, delete "Preproduction tests" and substitute "First article tests."

4.4.2.c, line 2, delete "preproduction" and substitute "first article."

4.4.3, delete line 1 and substitute "First article tests. The contractor shall submit a first article test."

4.4.3, line 4, delete "preproduction testing" and substitute "first article testing."

4.4.3, line 5, delete "preproduction tests" and substitute "first article tests."

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4.6.15, line 3 and line 4, delete "preproduction" and substitute "first article."

4.6.16, line 3, delete "preproduction" and substitute "first article."

5, delete in its entirety and substitute the following Section 5:

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"5. PACKAGING

5.1 Preservation. Preservation shall be level A, C, or Commercial as specified (see 6.2).

5.1.1 Level A. The receptacle shall be preserved in accordance with MIL-P-116.

5.1.2 Level C. The level C preservation for the receptacle shall conform to the MIL-STD-794 requirements for this level.

5.1.3 Commercial. Commercial packaging shall be in accordance with ASTM D 3951-82.

5.2 Packing. Packing shall be level A, B, C, or Commercial (see 6.2).

5.2.1 Level A. Receptacles preserved as specified in 5.1.1 shall be packed in accordance with MIL-STD-794, level A.

5.2.2 Level B. Receptacles preserved as specified in 5.1.1 shall be packed in accordance with MIL-STD-794, level B.

5.2.3 Level C. Receptacles preserved as specified in 5.1.2 shall be packed in accordance with MIL-STD-794, level C.

5.2.4 Commercial. The preserved receptacles shall be packed in accordance with the requirements of ASTM D 3951-82.

5.3 Marking.

5.3.1 Levels A, B, and C. In addition to any special or other identification marking required by the contract (see 6.2), each unit pack, intermediate and exterior container and unitized load shall be marked in accordance with MIL-STD-129.

5.3.2 Commercial. Commercial marking shall be in accordance with ASTM D 3951-82.

Custodian:
Air Force - 99

Preparing activity:
Air Force - 82

(Project 1680-F512)

FSC 1680