

INCH-POUND

MIL-T-45309E(AT)  
AMENDMENT 1  
5 September 1990

MILITARY SPECIFICATION

TANK, COMBAT, FULL TRACKED, 105 MM GUN:  
M60, M60A1, M60A1 (RISE), AND M60A3:  
PROCESSING FOR SHIPMENT AND STORAGE OF

This amendment forms a part of MIL-T-45309E(AT), dated 20 June 1983, and is approved for use by the Tank-Automotive Command, Department of the Army, and is available for use by all Departments and Agencies of the Department of Defense.

PAGE 1

Bottom of page: Delete "NO DELIVERABLE DATA REQUIRED BY THIS DOCUMENT", and substitute "AMSC N/A".

Below "AMSC N/A": Add "DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited."

PAGE 2

2.1.1: Delete "Specifications and standards. Unless....to the extent specified herein", and substitute:

"Specifications, standards, and handbooks. The following specifications, standards, and handbooks form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those listed in the issue of the Department of Defense Index of Specification and Standards (DODISS) and supplement thereto, cited in the solicitation (see 6.2)."

AMSC N/A

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FSC PACK

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

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2.1.1.1, SPECIFICATIONS, FEDERAL: Delete the following:

- "FF-N-103 - Nails (Small) and Tacks: Cut.
- MMM-A-178 - Adhesive, Paper Label, Water-Resistant.
- PPP-T-42 - Tape, Packaging/Marking, Paper.
- QQ-R-566 - Rods, Welding, Aluminum and Aluminum Alloys.
- QQ-S-741 - Steel, Carbon: Structural Shapes, Plates and Bars.
- QQ-W-461 - Wire, Steel, Carbon, (Round, Bare and Coated).
- TT-P-636 - Primer Coating, Synthetic, Wood and Ferrous Metal."

2.1.1.1, SPECIFICATIONS, FEDERAL: Add the following:

- "A-A-883 - Tape, Pressure Sensitive Adhesive, Masking.
- FF-N-105 - Nails, Brads, Staples and Spikes: Wire, Cut and Wrought.
- MMM-A-179 - Adhesive, Paper Label.
- NNN-P-40 - Paper, Lens.
- O-S-801 - Sulfuric Acid, Electrolyte, For Storage Batteries.
- QQ-A-1876 - Aluminum Foil.
- TT-P-664 - Primer Coating, Alkyd, Corrosion-Inhibiting, Lead and Chromate Free, VOC-Compliant."

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2.1.1.1, SPECIFICATIONS, MILITARY: Delete the following:

- "MIL-A-148 - Aluminum Foil.
- MIL-S-207 - Sulfuric Acid, Electrolyte, Packaging, Packing and Marking for Shipment and Storage of.
- MIL-W-3912 - Wood Parts, Fabricated: For Transport Vehicle Bodies and Similar Applications.
- MIL-C-5424 - Cable: Steel (Corrosion-Resisting), Flexible, Preformed (For Aeronautical Use).
- MIL-P-13983 - Paint, Temporary, Lusterless, Gasoline Removable.
- MIL-P-13988 - Paper, Lens, Tissue, Antitarnish, Wrapping.
- MIL-E-16053 - Electrodes, Welding, Bare, Aluminum Alloys.
- MIL-M-20693 - Molding Plastic, Polyamide (Nylon), Rigid.
- MIL-W-45205 - Welding, Gas Metal-Arc and Gas Tungsten-Arc, Aluminum Alloys Readily Weldable for Structures, Excluding Armor."

2.1.1.1, SPECIFICATIONS, MILITARY: Add the following:

- "MIL-H-3912 - Hardwood Components, Fabricated: For Military Vehicles.
- MIL-C-5501 - Caps and Plugs, Protective, Dust and Moisture Seal."

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2.1.1, SPECIFICATIONS, MILITARY: Delete the following:

- "MIL-C-52078 - Cap-Plug, Cap, and Plug, Protective, Plastic, Dust and Moisture Seal.
- MIL-E-52798 - Enamel, Alkyd, Camouflage.
- MIL-E-52835 - Enamel, Modified Alkyd, Camouflage, Lusterless."

2.1.1, SPECIFICATIONS, MILITARY: Add the following:

- "MIL-C-46168 - Coating, Aliphatic Polyurethane, Chemical Agent Resistant.
- MIL-P-52905 - Paint, Arctic Camouflage, Removable.
- MIL-P-53030 - Primer Coating, Epoxy, Water Reducible, Lead and Chromate Free.
- MIL-C-53039 - Coating, Aliphatic Polyurethane, Single Component, Chemical Agent Resistant.
- MIL-W-83420 - Wire Rope, Flexible, For Aircraft Control."

2.1.1, STANDARDS, MILITARY: Add the following:

- "MIL-STD-372 - Welding, Gas Metal-Arc and Gas Tungsten-Arc, Aluminum Alloys, Readily Weldable For Structures, Excluding Armor."

2.1.1, After last line: Add the following:

"(Unless otherwise indicated, copies of federal and military specifications, standards, and handbooks are available from the Standardization Documents Order Desk, Bldg. 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.)"

2.2: Delete in its entirety, and substitute:

"2.2 Non-Government publications. The following document(s) form a part of this document to the extent specified herein. Unless otherwise specified, the issues of the documents which are DoD adopted shall be those listed in the issue of the DODISS cited in the solicitation. Unless otherwise specified, the issues of documents not listed in the DODISS are the issues of the documents cited in the solicitation (see 6.2).

## AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

- ASTM A 36/A 36M - Structural Steel.
- ASTM A 641 - Zinc-Coated (Galvanized) Carbon Steel Wire.
- ASTM A 809 - Aluminum-Coated (Aluminized) Carbon Steel Wire.
- ASTM A 818 - Coppered Carbon Steel Wire.
- ASTM A 853 - Steel Wire, Carbon, For General Use.
- ASTM D 4066 - Nylon Injection and Extrusion Materials (PA).

(Application for copies should be addressed to American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19130.)

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AMERICAN WELDING SOCIETY (AWS)

AWS A5.10 - Specification for Bare Aluminum and  
Aluminum Alloy Welding Electrodes and Rods.

(Application for copies should be addressed to American Welding Society, Inc., 550 N.W. LeJeune Road, P.O. Box 351040, Miami, FL 33135.)

ASSOCIATION OF AMERICAN RAILROADS PUBLICATION

Section No. 1 - General Rules Governing Loading of Commodities on  
Open Top Cars.

Section No. 6 - Rules Governing the Loading of Department of Defense  
Materiel on Open Top Cars.

(Application for copies should be addressed to the Association of  
American Railroads, 59 East Van Buren, Chicago, Illinois 60605.)

(Non-Government standards and other publications are normally available  
from the organizations that prepare or distribute the documents. These  
documents also may be available in or through libraries or other  
informational services.)"

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2.3: Delete in its entirety, and substitute:

"2.3 Order of precedence. In the event of a conflict between the text  
of this document and the references cited herein (except for related  
associated detail specifications, specification sheets, or MS standards), the  
text of this document takes precedence. Nothing in this document, however,  
supersedes applicable laws and regulations unless a specific exemption has  
been obtained."

The following is a tabular listing of changes to update referenced documents  
which have either been cancelled or superseded:

<u>Paragraph</u>	<u>Line</u>	<u>Figure</u>	<u>Reference Document</u>	
			<u>Delete</u>	<u>Substitute</u>
			PAGE 5	
3.1.4	5		MMM-A-178	MMM-A-179
			PAGE 6	
3.1.5	7		MMM-A-178	MMM-A-179
			PAGE 8	
3.1.7.5.3	6		MIL-C-52078	MIL-C-5501
			PAGE 9	
3.1.7.5.4	6		MIL-C-52078	MIL-C-5501
3.1.7.7	4		MIL-C-52078	MIL-C-5501

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Paragraph	Line	Figure	Reference Document	
			Delete	Substitute
			PAGE 10	
3.1.7.10.1	3		MIL-A-148	QQ-A-1876
3.1.7.10.2	5		MIL-A-148	QQ-A-1876
			PAGE 12	
3.1.7.12.1	15		MIL-P-13988	NNN-P-40
			PAGE 13	
3.1.7.12.4	3		MIL-P-13988	NNN-P-40
			PAGE 15	
3.1.8.2	3		MIL-S-207	O-S-801
3.1.8.3	4		PPP-T-42	A-A-883
			PAGE 17	
3.1.8.12	12		PPP-T-42	A-A-883
			PAGE 19	
3.2.11	6		QQ-W-461	ASTM A641, A809, A818, A853
			PAGE 27	
		A1	MIL-W-45205 MIL-E-16053 or QQ-R-566	MIL-STD-372 AWS A5.10
			PAGE 33	
		B6	QQ-W-461	ASTM A641
			PAGE 34	
		B7	FF-N-103	FF-N-105
			PAGE 35	
		B8	QQ-W-461	ASTM A641, A809, A818, or A853
			PAGE 36	
		B9	QQ-W-461	ASTM A641, A809, A818, or A853
			PAGE 60	
		D2	QQ-W-461	ASTM A641
			PAGE 63	
		D2	MIL-C-5424	MIL-W-83420
			PAGE 64	
		D3	TT-P-636 MIL-E-52798 MIL-E-52835	TT-P-664 or MIL-P-53030 MIL-C-46168 MIL-C-53039
			PAGE 65	
		D4	QQ-S-741	ASTM A36/A36M
			PAGE 66	
		D5	QQ-S-741	ASTM A36/A36M
			PAGE 67	
		D6	MIL-W-3912 TT-P-636 MIL-E-52798 MIL-E-52835	MIL-H-3912 TT-P-664 or MIL-P-53030 MIL-C-46168 MIL-C-53030

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<u>Paragraph</u>	<u>Line</u>	<u>Figure</u>	<u>Reference Document</u>	
			<u>Delete</u>	<u>Substitute</u>
			PAGE 68	
	D7		TT-P-636	TT-P-664 or MIL-P-53030
			MIL-E-52798	MIL-C-46168
			MIL-E-52835	MIL-C-53039
			PAGE 69	
	D9		TT-P-636	TT-P-664 or MIL-P-53030
			MIL-E-52798	MIL-C-46168
			MIL-E-52835	MIL-C-53039
			PAGE 70	
	D10		QQ-S-741	ASTM A36/A36M
			PAGE 71	
	D11		QQ-S-741	ASTM A36/A36M
			PAGE 72	
	D12		QQ-S-741	ASTM A36/A36M
			PAGE 73	
	D13		MIL-W-3912	MIL-H-3912
			TT-P-636	TT-P-664 or MIL-P-53030
			MIL-E-52798	MIL-C-46168
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	D14		QQ-W-461	ASTM A641
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	D16		MIL-M-20693	ASTM D4066
			PAGE 76	
	D17		QQ-S-741	ASTM A36/A36M
			PAGE 77	
	D18		TT-P-636	TT-P-664 or MIL-P-53030
			MIL-E-52798	MIL-C-46168
			MIL-E-52835	MIL-C-53039
			PAGE 78	
	D28		TT-P-636	TT-P-664 or MIL-P-53030
			MIL-E-52798	MIL-C-46168
			MIL-E-52835	MIL-C-53039
			PAGE 80	
	E2		QQ-W-461	ASTM A641

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(Project PACK-A364)