

**NOT MEASUREMENT
SENSITIVE**

**MIL-PRF-49501A(TM)
11 October 1996**

**SUPERSEDING
MIL-M-49501(TM)
25 JANUARY 1990**

PERFORMANCE SPECIFICATION MANUALS, TECHNICAL: DAILY PREVENTIVE MAINTENANCE CHECKLIST

This specification is approved for use by the Department of the Army and is available for use by all Departments and Agencies of the Department of Defense.

1. SCOPE.

1.1 Purpose. This specification contains detailed requirements for the preparation of an operator's pocket-size, Preventive Maintenance Checklist (PMC) for all equipment except aircraft. The checklist includes all before, during, and after operation preventive maintenance checks, including tactical and safety checks, that the operator or crew performs to ensure that the equipment is mission capable and in good operating condition,

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be used in improving this document should be addressed to: Executive Director, USAMC Logistics Support Activity, Acquisition Logistics Center, ATTN: AMXLS-AP, Redstone Arsenal, AL 35898-7466 by using the Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

AMSC A7206

AREA TMSS

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1.2 Examples/Figures. Figures used in this specification are examples only. The text of this document takes precedence over the figures.

1.3 Applicability. Each item specified herein will be included in the PMC unless otherwise specified by the contracting activity.

2. APPLICABLE DOCUMENTS

2.1 General. The documents listed in this section are specified in section 3 of this specification. This section does not include documents cited in other sections of this specification or recommended for additional information or as examples. While every effort has been made to ensure the completeness of this list, document users are cautioned that they must meet all specified requirements documents cited in section 3 of this specification, whether or not they are listed.

2.2 Government documents.

2.2.1 Specifications, standards, and handbooks. The following specifications, standards, and handbooks form a part of this specification to the extent specified herein. The issue of these documents shall be those listed in the issue of the Department of Defense Index of Specifications and Standards (DODISS) and supplement thereto, cited in the solicitation (see para 6.2).

STANDARDS

DEPARTMENT OF DEFENSE

MIL-STD-38784 — Standard Practices For Manuals, Technical: General Style and Format Requirements.

(Unless otherwise indicated, copies of the above standard are available from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094.)

2.3 Order of precedence. In the event of a conflict between the text of this specification and the references cited herein, the text of this specification shall take precedence. Nothing in this document, however, shall supersede applicable law and regulations unless a specific exemption is obtained.

3. REQUIREMENTS

3.1 General.

3.1.1 National Stock Numbers (NSN) and part numbers (P/N). NSNs shall not be used in procedural steps in the PMC. P/Ns shall not be used in procedural steps except when absolutely necessary for identification.

3.1.2 Illustrations. Illustrations may be used in the PMC.

3.2 Style and format requirements.

a. Unless otherwise specified herein, prepare PMC using the general style and formats provided in MIL-STD-38784.

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b. The PMC shall consist of a cover page (see figure 1) and the checklist. The checklist shall consist of all before, during, and after operation check and service procedures in the validated and verified preventive maintenance checks and services (PMCS) table in the associated operator's manual.

c. When the content of the PMC, including the cover page, is 10 pages or less, it shall be prepared as a pocket size accordion foldout (see figure 2). If it is 11 pages or more, it shall be prepared as a vertical pocket manual. The PMC shall have a trim size of 4 by 5 ½ inches and a maximum printed area of 3 3/8 by 5 1/4 inches. The maximum printed area shall include all printed matter, including publication and page numbers.

d. Type size shall not be smaller than 6 point for pocket size accordion foldout and 8 point for the vertical pocket manual format.

e. The PMC shall use the same basic Technical Manual (TM) identification number as the operator's manual from which the preventive maintenance checks and services were extracted. A "-10PMC" suffix shall be added to the basic TM number (see figure 1).

3.3 Technical content.

a. The checklist shall consist of all before, during, and after operation interval checks and service procedures contained in the validated and verified PMCS table in the associated operator's manual.

b. Item numbers in the checklist shall be the same as those assigned to the procedures in the operator's PMCS table.

c. The checks and services procedures in the checklist shall be presented in the same sequence and include the same crewmember headings, if any, as those in the associated operator's PMCS table. Appropriate interval headings shall precede each group of procedures (see figure 3).

d. Any check that could reveal a Not Mission Capable (NMC) fault shall be identified by placing an asterisk by that item number. Each page containing an asterisk shall have a note explaining its meaning and instructing the operator to report the NMC fault using the appropriate forms. The note shall appear at the bottom of the page (see figure 3).

3.3.1 Warnings and cautions. All warnings and cautions applicable to the checks and services procedures extracted from the PMCS table in the associated operator's manual shall be included in the checklist in their entirety.

3.3.2 Usage note and reporting errors and recommending improvements statement. The following text shall appear on the front cover of the PMC (see figure 1):

NOTICE

To effectively perform the tasks in this checklist, you must be experienced in using the PMCS table in TM (insert the applicable operator's TM number). The checklist item numbers match those in the PMCS table in the TM.

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REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this publication. If you find any errors, or if you know of a way to improve this publication, please let us know. Mail your letters or DA Form 2028-2 (Recommended Changes to Publications and Blank Forms) directly to: (the address of proponent). A reply will be sent to you.

4. VERIFICATION

4.1 Verification. Verification shall be as specified by the contracting activity in the solicitation (see 6.2).

5. PACKAGING

5.1 Packaging. For acquisition purposes, packaging requirements shall be as specified in the contract or order (see 6.2). When actual packaging of material is to be performed by DoD personnel, these personnel need to contact the responsible packaging activity to ascertain requisite packaging requirements. Packaging requirements are maintained by the Inventory Control Point's packaging activity within the Military Department or Defense Agency, or within the Military Department's System Command. Packaging data retrieval is available from the managing Military Department's or Defense Agency's automated packaging files, CD-ROM products, or by contacting the responsible packaging activity.

6. NOTES

(This section contains information of a general or explanatory nature which may be helpful, but is not mandatory).

6.1 Intended use. This specification covers the preparation of operator's preventive maintenance checklists. It is not intended for producing aircraft checklists.

6.2 Acquisition requirements. Acquisition documents should specify the following items:

- a. Title, number, and date of this specification.
- b. Title and number of the technical manual.
- c. Source of validated and verified PMCS tables for use in preparing the PMC.
- d. Requirements, if any, for validation.
- e. Verification requirements.
- f. Packaging and delivery requirements.
- g. The issue of the DODISS cited or, if required, the specific issue of the referenced documents.

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6.3 Technical manuals. The requirement for technical manuals should be considered when this specification is applied on a contract. If technical manuals are required, specifications and standards that have been cleared and listed in DoD 5010.12-L, Acquisition Management Systems and Data Requirements Control List (AMSDL) must be listed on a separate Contract Data Requirements List (DD Form 1423), which is included as an exhibit to the contract. The technical manuals must be acquired under separate contract line item in the contract.

6.4 Definitions.

Operator or crew. These terms apply to the military personnel who will actually use or operate the equipment.

6.6 Subject term (key word) listing.

Accordion foldouts	Interval
Crew	PMC

6.7 Changes from previous issues. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

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TM 9-2350-252-10PMC

**CREW/OPERATOR
DAILY PREVENTIVE
MAINTENANCE CHECKLIST
FOR HULL**

**FIGHTING VEHICLE, INFANTRY
M2 AND M2A1**

NOTICE

To effectively perform the tasks in this checklist, you must be experienced in using the PMCS table in TM 9-2350-252-10-1. The item numbers in this checklist are the same as those in the PMCS tables.

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

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**HEADQUARTERS, DEPARTMENT OF THE ARMY
29 SEPTEMBER 1989**

FIGURE 1. Example of a PMC cover.

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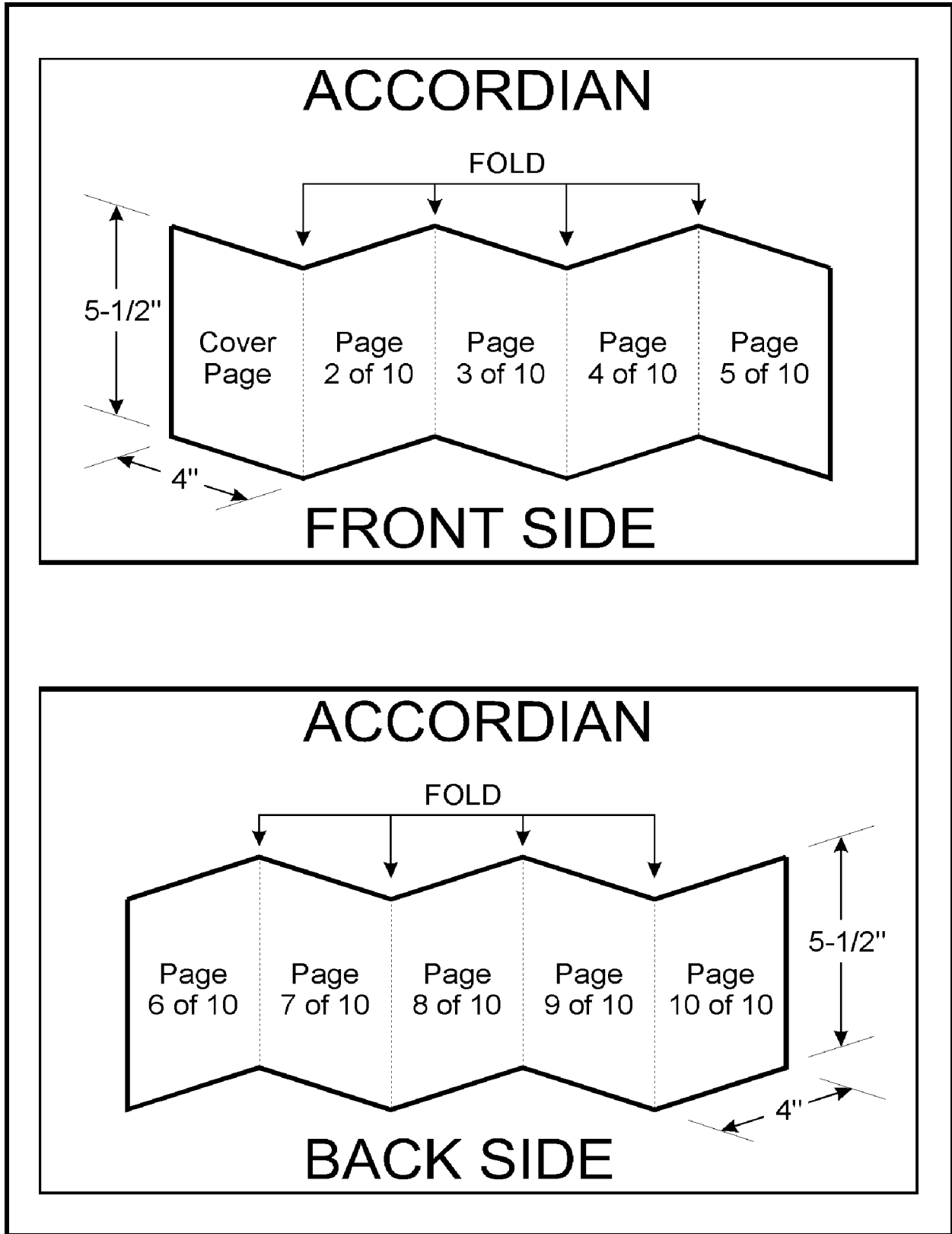


FIGURE 2. Example of an accordion foldout.

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BEFORE OPERATION CHECKS
DRIVER (CONTINUED)

CAUTION

Vehicle must be on a level surface for proper oil or fluid checks.

- *19. Check oil/fluid levels in these items:
 - a. Engine,
 - b. Transfer gear case.

WARNING

CARBON MONOXIDE IN EXHAUST CAN KILL YOU. MAKE SURE YOU HAVE ADEQUATE VENTILATION AND THAT THE EMERGENCY BRAKE IS SET BEFORE STARTING ENGINE.

- *20. Check radiator and heater hoses for leaks with the engine running.
- *21. Check fuel lines for leaks.
- 22. Turn engine off and then drain fuel filter contamination.

GUNNER

- 23. Check the deck and make sure all items are secured.
- *24. Check the machine gun mount for proper operation.
- 25. Check the commander's cupola.

NOTE

An asterisk indicates a Not Mission Capable (NMC) fault that must be reported on DA Form 2404 or other maintenance form prescribed by your command.

FIGURE 3. Example of a PMC inside page identifying crewmembers. (Sheet 1 of 2)

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BEFORE OPERATION

CAUTION

Vehicle must be on a level surface for proper oil or fluid checks.

1. Check oil/fluid levels in these items:
 - * a. Engine,
 - * b. Transmission,
 - * c. Cooling system reservoir,
 - d. Windshield washer reservoir.
- *2. Check operation of emergency brake.

WARNING

DO NOT TOUCH HOT EXHAUST PIPES. YOU COULD RECEIVE SEVERE BURNS.

- *3. Check exhaust system for obvious damage, leaks, or rust through.

DURING OPERATION

- *4. Check steering for excessive play.
- *5. Check oil pressure and temperature gauges for normal readings.
6. Check windshield wipers.

AFTER OPERATION

7. Make sure emergency brake is set.
8. Make sure all lights are turned off.

NOTE

An asterisk indicates a Not Mission Capable (NMC) fault that must be reported on DA Form 2404 or other maintenance form prescribed by your command.

FIGURE 3. Example of a PMC inside page identifying crewmembers. (Sheet 2 of 2)

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Custodian:

ARMY-TM

Review activities:

ARMY: AL, AR, AT, AV, CR,
CU, ME, MI, TS

Preparing activity:

ARMY-TM

Project number: TMSS A321

USAMC Logistics Support Activity
ATTN: AMXLS-APA
Bldg 5307, Sparkman Circle
Redstone Arsenal, AL 35898-7466