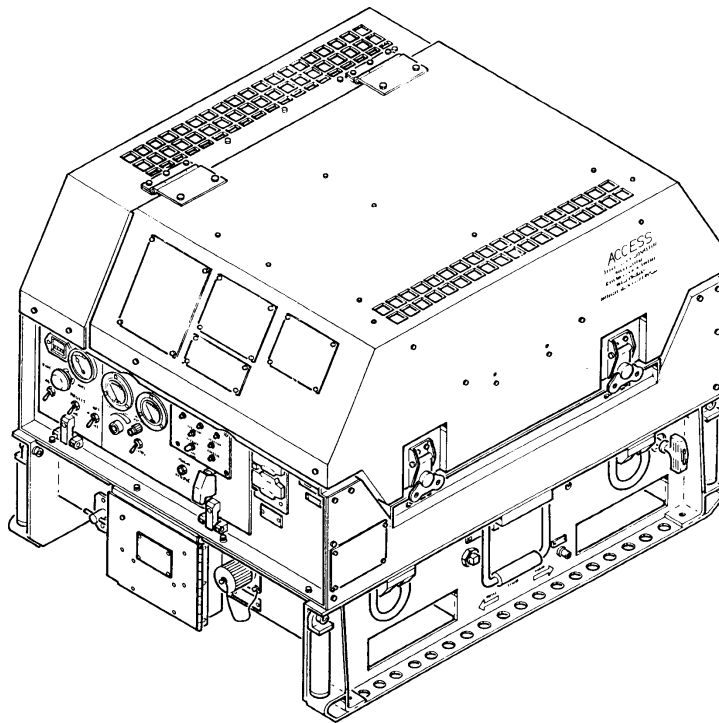


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MARINE CORPS TM 10155A-13/1**

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**OPERATOR'S, UNIT, AND DIRECT SUPPORT  
MAINTENANCE MANUAL**



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**3KW TACTICAL QUIET GENERATOR SET  
MEP 831A (60 HZ) (NSN: 6115-01-285-3012) (EIC: VG6)  
MEP 832A (400 HZ) (NSN: 6115-01-287-2431) (EIC: VN7)**

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**HEADQUARTERS, DEPARTMENTS OF THE ARMY,  
AIR FORCE AND MARINE CORPS**

**1 November 2000**

**PCN 182 101550 00**

## OPERATOR'S, UNIT, AND DIRECT SUPPORT MAINTENANCE MANUAL

FOR

**3KW TACTICAL QUIET GENERATOR SET**  
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### REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes, or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Form) or DA Form 2028-2 located in the back of this manual directly to: Commander, US Army Communications and Electronics Command (CECOM), ATTN: AMSEL-LC-LEO-D-CS-CFO, Fort Monmouth, NJ 07703-5000. The FAX number is 732-532-1413, DSN 992-1413. You can also E-mail your recommendations to [AMSEL-LC-LEO-PUBS-CHG@cecom3.monmouth.army.mil](mailto:AMSEL-LC-LEO-PUBS-CHG@cecom3.monmouth.army.mil).

For Air Force, submit AFTO Form 22 (Technical Order System Publication Improvement Report and Reply) in accordance with paragraph 6-5, Section VI, TO 00-5-1. Forward direct to prime ALC/MST.

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A reply will be furnished directly to you.

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## How to Use This Manual

### 1. DESCRIPTION OF THE MANUAL.

a. **Chapter Organization.** This manual has five chapters covering: introductory information, principles of operation, operator maintenance instruction, unit maintenance instructions, and direct support maintenance instructions. Each chapter is divided into sections. These sections contain the cleaning, inspection, troubleshooting, and repair tasks appropriate for the specific maintenance level. Each chapter contains a table of contents containing the tasks within that chapter. See the overall Table of Contents (page i) for the chapters and sections of this manual.

b. **Paragraph and Task Numbering.** All paragraphs and maintenance tasks are numbered. This helps you find what you need when you need it. Use the Table of Contents (page i) or alphabetical index (at the back of the manual) to find the paragraph or task you need.

c. **Appendices.** The appendices in this manual contain both general maintenance information and specific data for this generator set. They list reference manuals and materials, components of the generator set, additional authorization list items, expendable supplies and materials, torque limits, and mandatory replacement parts. Refer to the Table of Contents (page i) for a complete list of the appendices used in this manual.

### 2. HOW TO FIX A GENERATOR SET MALFUNCTION.

a. **Determining the Cause.** Figuring out the cause of the malfunction, or troubleshooting, is the first step in fixing the generator set and returning it to operation. Follow these steps to determine the root of your problem:

- (1) Turn to the Table of Contents section in this manual (page i).
- (2) Locate “Troubleshooting” for your maintenance level and turn to the page indicated.
- (3) In the Troubleshooting section, find the troubleshooting symptom for the component affected by the malfunction. Refer to the Symptom Index for help.

#### NOTE

If the specific symptom is not addressed, the maintenance required is most likely more detailed than authorized for your level. Notify personnel at a higher maintenance level.

- (4) Begin troubleshooting. Carefully work your way down through the troubleshooting table to try and determine what the problem is.
- (5) Once the trouble has been determined, go to the maintenance task called out. Remedy the malfunction, test the generator set, and return it to service.