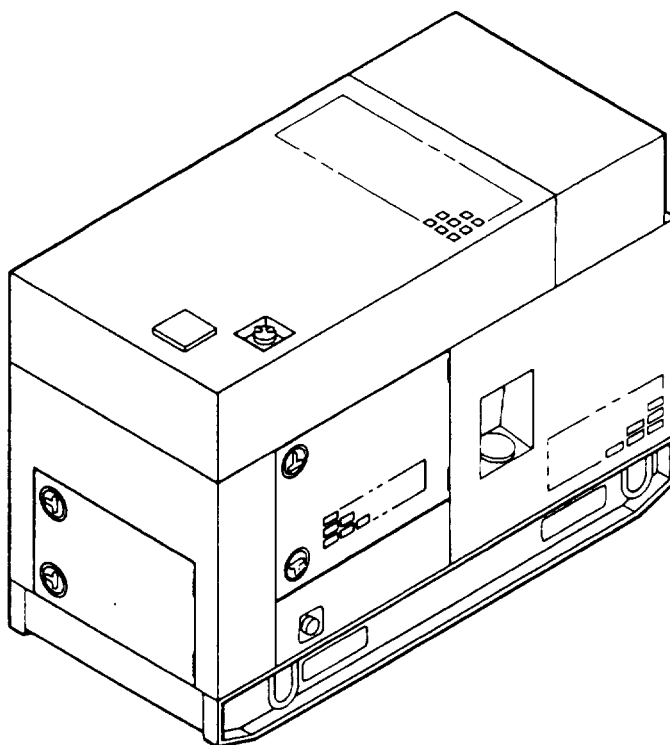


# TECHNICAL MANUAL UNIT, DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE MANUAL



## GENERATOR SET, SKID MOUNTED, TACTICAL QUIET

15 KW, 50/60 AND 400 Hz  
MEP-804A (50/60 Hz) 6115-01-274-7388  
MEP-814A (400 Hz) 6115-01-274-7393

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HEADQUARTERS, DEPARTMENTS OF THE ARMY AND  
THE AIR FORCE  
1 SEPTEMBER 1993

TECHNICAL MANUAL  
NO. 9-6115-643-24

HEADQUARTERS  
DEPARTMENTS OF THE ARMY AND THE AIR FORCE  
WASHINGTON, D.C., 1 September 1993

Unit, Direct Support and General Support Maintenance Manual

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**REPORTING OF 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.

(A): Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual directly to: Commander, US Army Aviation and Troop Command, ATTN: AMSAT-I-MP, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. You may also submit your recommended changes by E-mail directly to <mpmt%avma28@st-louis-emh7.army.mil>. Instructions for sending an electronic 2028 may be found at the back of this publication immediately preceding the hard copy 2028.

(F): Air Force - AFTO Form 22 directly to: Commander, Sacramento Air Logistics Center, ATTN: TILBA, McClellan AFB, CA 95652-5990.

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## HOW TO USE THIS MANUAL

In this manual, (TM 9-6115-643-24), paragraphs are underlined and the sections and chapters appear in capital letters. The location of additional material that must be referenced is clearly marked. Illustrations in this text are located as close as possible to their references.

Chapter 1 – INTRODUCTION. Contains general information, equipment description and data, and principles of operation for the generator set.

Chapter 2 – UNIT MAINTENANCE INSTRUCTIONS. Contains information on servicing the generator set and components upon receipt, Unit level Preventive Maintenance Checks and Services (PMCS), troubleshooting procedures used to recognize and correct generator set malfunctions, and all maintenance procedures authorized at Unit level.

Chapter 3 – GENERAL MAINTENANCE INSTRUCTIONS. Contains Direct Support level troubleshooting procedures used to recognize and correct generator set malfunctions, and procedures for the removal and installation of major components.

Chapter 4 – DIRECT SUPPORT MAINTENANCE INSTRUCTIONS. Contains all maintenance procedures authorized to be performed on the generator set at the Direct Support level.

### APPENDICES.

Appendix A is a list of publications referenced in this manual and should be used in conjunction with this manual.

Appendix B is the Maintenance Allocation Chart (MAC) which designates all maintenance and repair functions authorized to be performed at the different maintenance levels.

Appendix C is the Expendable/Durable Supplies and Materials List (EDSML) which lists all expendable/durable supplies and materials required in performing the maintenance procedures presented in this manual.

Appendix D lists all parts that require fabrication or assembly for the maintenance of the generator set. Materials and procedures required are included.

Index. The index contains key technical manual subjects arranged in alphabetical order. If you require information on a specific subject (i.e., Time Meter), but you are not sure where to look, use the index to locate specific paragraph.



## CHAPTER 1 INTRODUCTION

### Section I. GENERAL INFORMATION

#### 1.1 SCOPE.

This manual contains Unit, Direct Support and General Support maintenance instructions for the Tactical Quiet (TQ), 15 kW 50/60 and 400 Hz Generator Sets (FIGURE 1-1), herein referred to as generator sets. Included are descriptions of major components and their functions in relation to other components.

<u>Model Number</u>	<u>Equipment Name</u>
MEP-804A	Generator Set, Skid Mounted, Tactical Quiet 15 kW 50/60 Hz
MEP-814A	Generator Set, Skid Mounted, Tactical Quiet 15 kW 400 Hz

The generator set provides tactical quiet AC power. The generator set is easily transported, operated, and maintained.

#### 1.2 LIMITED APPLICABILITY.

Some portions of this publication are not applicable to all services. These portions are prefixed to indicate the service(s) to which they pertain: (A) for Army, (F) for Air Force, and (N) for Navy.

#### 1.3 MAINTENANCE FORMS AND RECORDS.

1.3.1 (A) Department of the Army forms and procedures used for equipment maintenance will be those prescribed by DA PAM 738-750, The Army Maintenance Management System (TAMMS).

1.3.2 (F) Maintenance Forms and Records maintained by the Air Force are prescribed in AFR 66-1 and the applicable TO 00-20 Series Technical Orders.

1.3.3 (N) Navy users should refer to their service peculiar directives to determine the applicable maintenance forms and records to be used.

#### 1.4 REPORTING OF ERRORS.

Reporting of errors, omissions, and recommendations for improvement of this publication by the individual user is encouraged. Reports should be submitted as follows:

1.4.1 (A) Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in back of this manual direct to:

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St. Louis, MO 63120-1798

1.4.2 (F) Air Force - AFTO Form 22 directly to:

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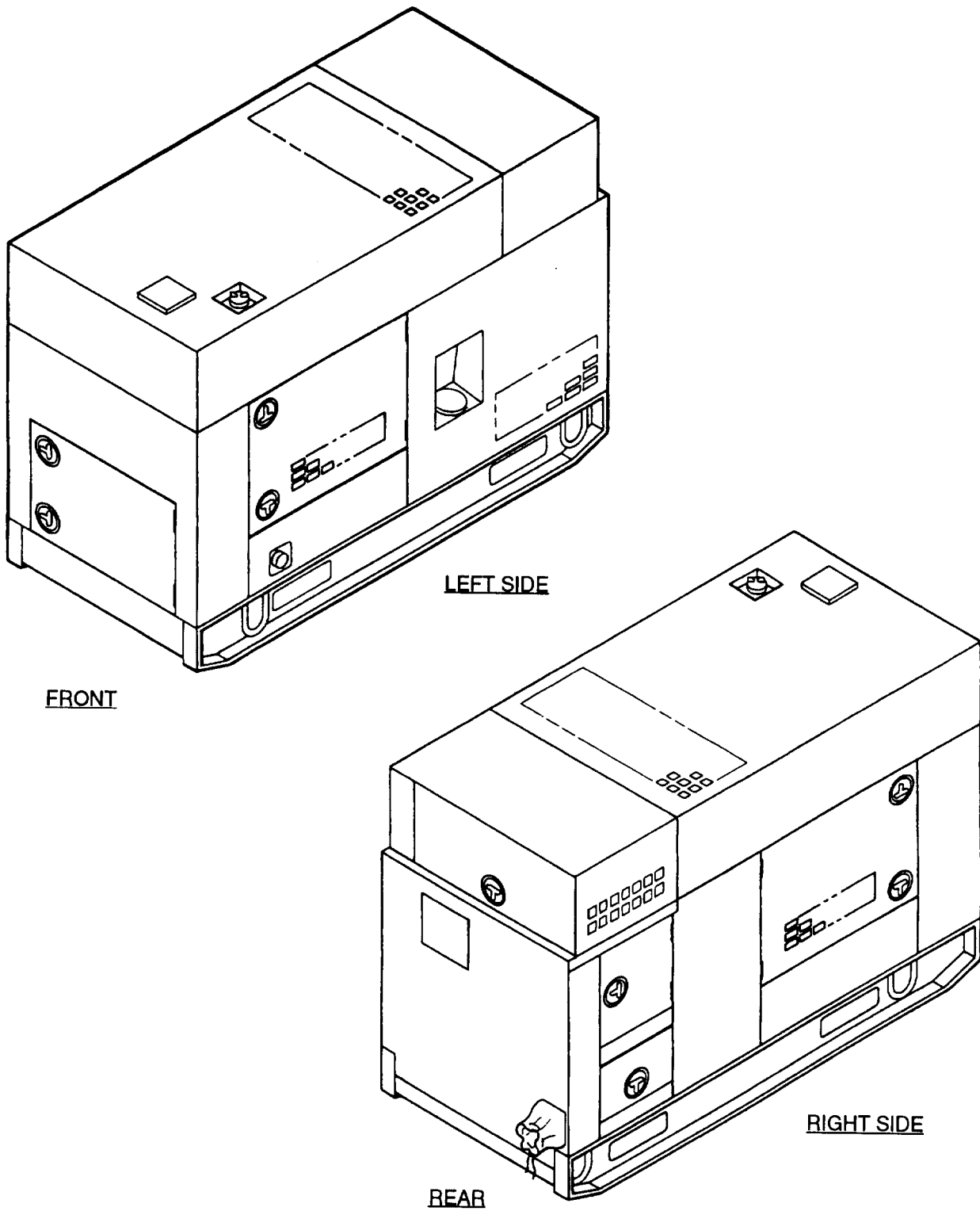


FIGURE 1-1. Generator Set, 15 kw, Tactical Quiet