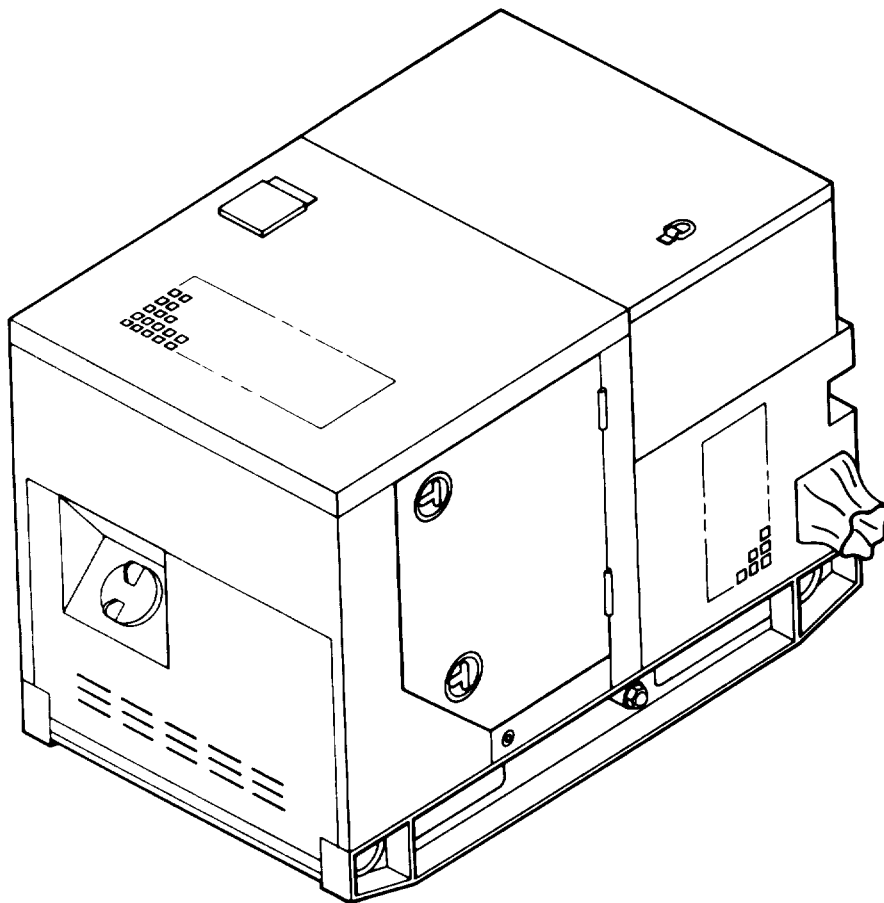


TECHNICAL MANUAL
OPERATOR'S MANUAL



GENERATOR SET
SKID MOUNTED, TACTICAL QUIET
5 KW, 60 AND 400 HZ
MEP-802A (60 HZ) 6115-01-274-7387
MEP-812A (400 HZ) 6115-01-274-7391

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HEADQUARTERS, DEPARTMENTS OF THE ARMY AND AIR FORCE

30 DECEMBER 1992

TECHNICAL MANUAL
NO. 9-6115-641-10

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DEPARTMENT OF THE ARMY AND AIR FORCE
WASHINGTON, D.C., 30 DECEMBER 1992

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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.

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HOW TO USE THIS MANUAL

In this manual (TM 9-6115-641-10) , paragraphs are underlined and the sections and chapters appear in capital letters. The location of additional material that must be referenced is clearly marked. Drawings in this text are located as close as possible to their references.

Chapter 1 - Introduction.
Chapter 1 contains general information, equipment description and technical principles of operation.

Chapter 2, - Operating Instructions. Chapter 2 contains a description of generator set operation controls and indicators. The control panel assembly is illustrated and each control and indicator is described in a follow-on table. Operating procedures which include Preventive Maintenance Checks and Services (PMCS) and operation under usual and unusual conditions are detailed.

Chapter 3 - Maintenance.
Chapter 3 lists maintenance procedures authorized at the operator level, and troubleshooting procedures used to recognize generator set malfunctions, the test or inspections, and their corrective action. An index of generator set failure symptoms will help guide you to the appropriate troubleshooting chart.

Appendices.

Appendix A is a list of the other publications referenced by this manual. Included are other manuals which should be used with this operator's manual.

Appendix B is the Components of End Item (COEI) and Basic Issue Items (BII) Lists.

Appendix C is the Additional Authorization List (AAL) .

Appendix D is the Expendable/Durable Supplies and Materials List (EDSML).

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

CHAPTER 1

INTRODUCTION

SECTION I. GENERAL INFORMATION

1-1 SCOPE.

1-1.1 Type of Manual. This manual contains operation and operator maintenance instructions for the Tactical Quiet (TQ), 5 kW 60 and 400 Hz Generator Sets (FIGURE 1-1), herein referred to as generator set. Included are descriptions of major components and their functions in relation to other components.

1-1.2 Model Numbers and Equipment Names.

<u>Model Number</u>	<u>Equipment Name</u>
MEP-802A	Generator Set, Skid Mounted, Diesel Powered, Tactical Quiet 5 kW 60 Hz.
MEP-812A	Generator Set, Skid Mounted, Diesel Powered, Tactical Quiet 5 kW 400 Hz.

1-1.3 Purpose of Equipment. The generator set provides tactical quiet AC power. The generator set is easily transported, operated, and maintained.

1-2 MAINTENANCE FORMS AND RECORDS.

1-2.1 (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).

1-2.2 (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.

1-2.3 (N) Navy users should refer to their service peculiar directives to determine the applicable maintenance forms and records to be used.

1-3 REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR).

1-3.1 If your generator set needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don't like about your equipment. Let us know why you don't like the design or performance. We will send you a reply.

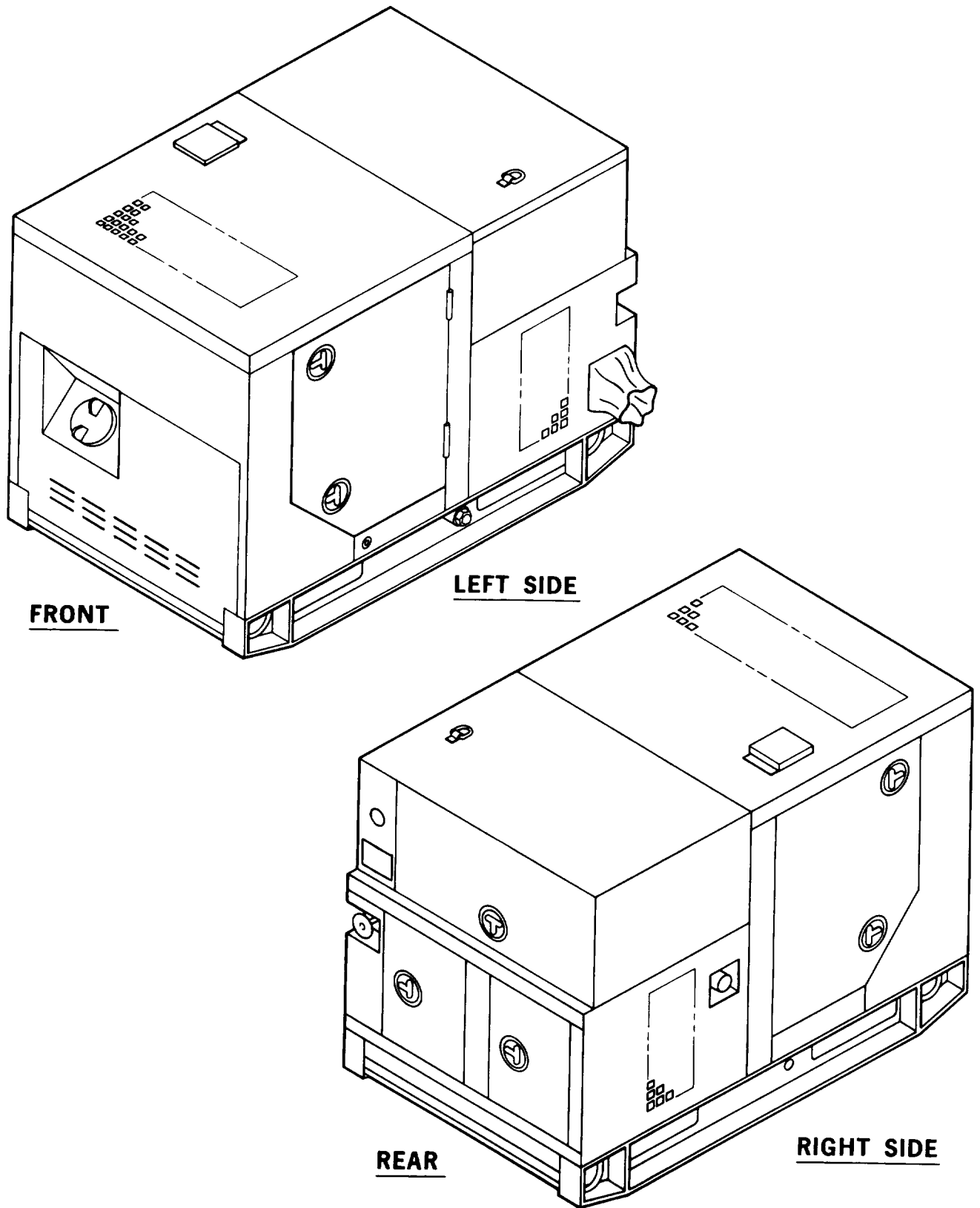


FIGURE 1-1. Generator Set, 5 kw, Tactical Quiet