

TM 5-6115-323-14

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

TO 35C2-3-385-1

DEPARTMENT OF THE AIR FORCE TECHNICAL ORDER

TECHNICAL MANUAL

OPERATOR/CREW, ORGANIZATIONAL, INTERMEDIATE (FIELD)
(DIRECT SUPPORT AND GENERAL SUPPORT) AND DEPOT
MAINTENANCE MANUAL

GENERATOR SET, GASOLINE ENGINE DRIVEN, SKID MOUNTED,
TUBULAR FRAME, 1.5 KW, SINGLE PHASE, AC, 120/240 V,
28 V DC (LESS ENGINE)

DOD MODELS

HERTZ

NSN

MEP-015A

60

6115-00-889-1446

MEP-025A

DC

6115-00-017-8236

HEADQUARTERS, DEPARTMENT OF THE ARMY
and AIR FORCE
1976

TECHNICAL MANUAL
NO. 5-6115-323-14

HEADQUARTERS
DEPARTMENTS OF THE ARMY AND THE AIR FORCE
WASHINGTON, D.C., 23 July 1976

Operator/Crew, Organizational, Intermediate (Field)
(Direct Support and General Support) and
Depot Maintenance Manual

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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 these procedures, please let us know. 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 <mpmP/oavma28@st-louis-emh7.army.mil>. A reply will be furnished directly to you. Instructions for sending an electronic 2028 may be found at the back of this manual immediately preceding the hard copy 2028.

For Air Force, submit AFTO Form 22 (Technical Order System Publication Improvement Report and Reply) in accordance with paragraph 6-5, Section VI, T.O. 00-5-1. Forward direct to Commander, San Antonio Air Logistic Center, ATTN: SA-ALC-MMDDA, Kelly Air Force Base, Texas 78241-5000.

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CHAPTER 1

INTRODUCTION

SECTION I. GENERAL

1-1. Scope

a. This manual is for your use in operating and maintaining the Military Designed DOD Models MEP-015A and MEP-025A Generator Sets. Information is provided on the operation, preventive maintenance checks and services, troubleshooting, operator/crew, organizational, intermediate (Field), (Direct Support and General Support) and Depot Maintenance.

b. This manual is primarily concerned with the operation and maintenance of the generator sets less engine. However, where it becomes necessary for understanding, portions of the maintenance and operation instruction which apply to the engine are included. For complete maintenance information on the engine, refer to the engine manuals in Appendix A.

c. Appendix A contains a list of reference publications applicable to this manual. Appendix B contains the Basic Issue Items List and Items Troop Installed or Authorized List. Appendix C contains the Maintenance Allocation Chart (MAC), which determines the level of maintenance responsibility for Army.

1-2. Limited Applicability

Some portions of this publication are not applicable to all services. These portions are prefixed to indicate the services to which they pertain; (A) for Army, and (F) for Air Force. Portions not prefixed are applicable to both services.

1-3. Maintenance Forms and Records

a. (A) Maintenance forms and records used by Army personnel are prescribed by DA PAM 738-750. Maintenance forms used by personnel are as follows:

(1) DA Form 2404 (Equipment Inspection and Maintenance Worksheet).

(2) DA Form 2407 (Maintenance Request Used for Requesting Support Maintenance).

(3) DA Form 2407-1 (Continuation Sheet Used for Requesting Support Maintenance).

b. (F) Maintenance forms and records used by Air Force personnel are prescribed in AFM-66-1 and the applicable 00-20 Series Technical Orders..

1-4. Reporting of Errors

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

a. (A) Army-DA Form 2028 (Recommended Changes to Publications, and Blank Forms), or DA Form 2028-2 located in the back of this manual direct to: Commander, U.S. Army Aviation and Troop Command, ATTN: AMSAT-I-MP, 4300 Goodfellow Boulevard, St. Louis, MO 63120-1798. A reply will be furnished directly to you.

b. (F) Air Force-AFTO Form 22 directly to: Commander, Sacramento Air Logistics Center, ATTN: SM-ALC-MMEDTA, McClellan Air Force Base, CA 95652-5609, in accordance with TO-00-5-1.

1-5. Levels of Maintenance Accomplishment

a. (A) Army users shall refer to the Maintenance Allocation Chart (MAC) for tasks and levels of maintenance to be performed.

b. (F) Air Force users shall accomplish maintenance at the user level consistent with their capability in accordance with policies established in AFM 66-1.

1-6. Destruction of Army Materiel to Prevent Enemy Use.

(A) Demolition of materiel to prevent enemy use will be in accordance with the requirement of TM 750-244-3 (Procedures for Destruction of Equipment to Prevent Enemy Use for U.S. Army)

Change 10 1-1

1-7. Administrative Storage

If the generator sets must be placed in administrative storage proceed as follows:

a. (A) *Army*.

(1) Store equipment so as to provide maximum protection from the elements and to provide access for inspection, maintenance, and exercising. Anticipate removal or deployment problems and take suitable precautions. For example, strategically locate recovery vehicles, snowplows, slave units, and similar items, likely to be needed on short notice.

(2) Take into account environmental conditions, such as extreme heat or cold; high humidity; blowing sand, dust, or loose debris; soft ground; mud; heavy snows; earthquakes; or combinations there of and take adequate precautions.

(3) Establish a fire plan and provide for adequate firefighting equipment and personnel.

(4) For further information, refer to TM 740-90-1 (Administrative Storage).

b. (F) *Air Force*. Refer to TO 35-1-4 (Processing and Inspection of Aerospace Ground Equipment).

1-8. Preparation for Shipment and Storage

If the generator sets must be placed in storage or shipped to another location, proceed as follows:

a. (A) *Army*. Refer to TM 740-90-1 (Administrative Storage) and TB 740-97-2 (Preservation of USAMECOM Mechanical Equipment for Shipment and Storage).

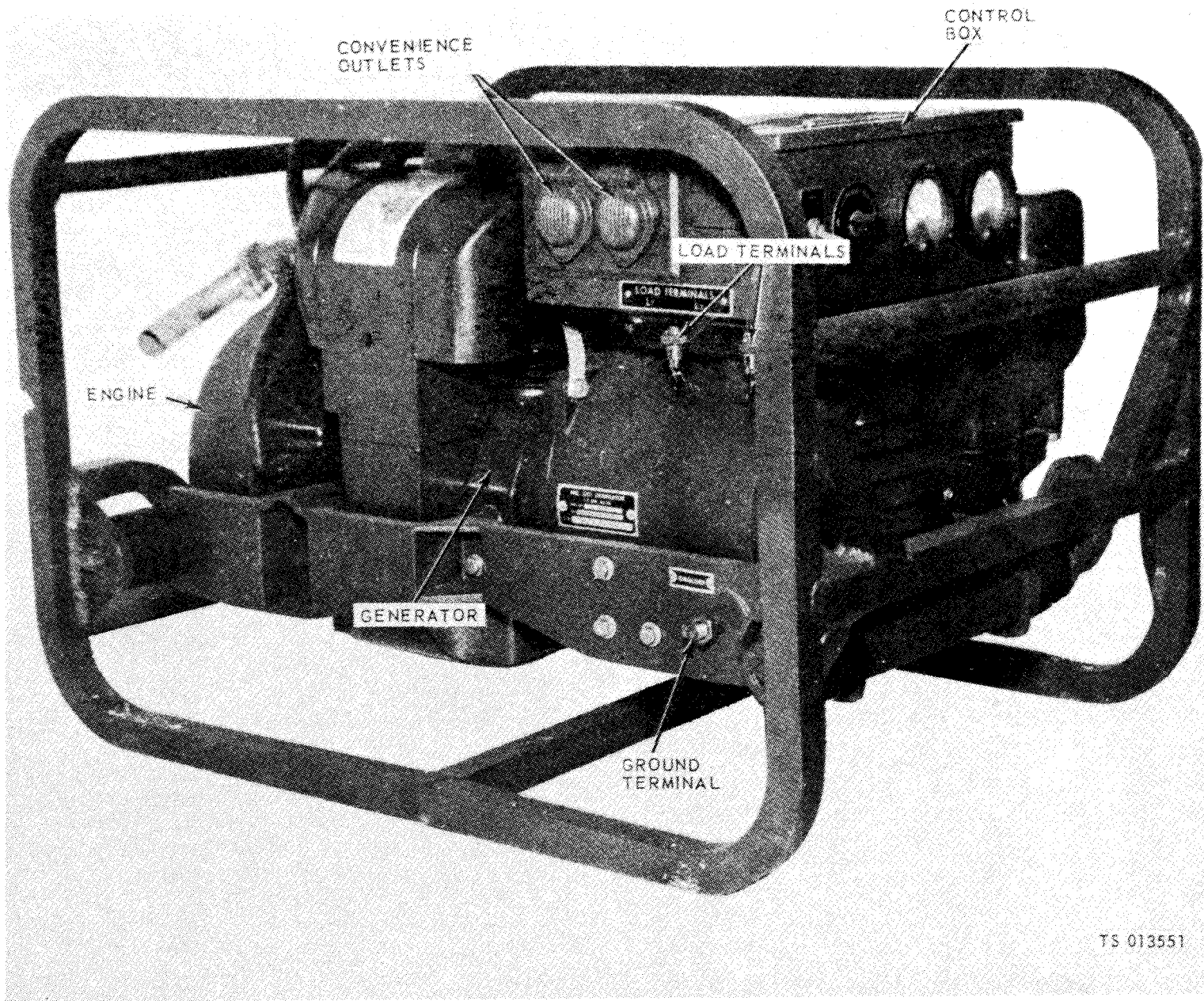
b. (F) *Air Force*. Refer to TO 35-1-4 (Processing and Inspection of Aerospace Ground Equipment) for the end item generator sets and TO 38-1-5 (Processing and Inspection of Non-Mounted, Non-Aircraft Gasoline and Diesel Engines for Storage and Shipment) for the installed engine.

Section II. DESCRIPTION AND DATA

1-9. Description

The military design generator sets, DOD Model MEP-015A (AC Unit) (figs. 1-1 and 1-2), and DOD Model MEP-025A (DC Unit) (figs. 1-3 and 1-4), are designed for general purpose use for lighting and to provide power for pumps, blowers, heaters, compressors and similar equipment. They are

suitable for use in a variety of applications that can be served by small, portable, generating units when used within the limits of their voltage, frequency, and power characteristics. The units consist primarily of the generator, control box, engine, fuel tank, and frame. Both generator sets have a capacity of 1.5 KW (kilowatts).



TS 013551

Figure 1-1.