

DEPARTMENT OF THE ARMY
TECHNICAL MANUAL
DEPARTMENT OF THE AIR FORCE
TECHNICAL ORDER

TM 5-6115-329-14

TO 35C2-3-440-1

TECHNICAL MANUAL

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

GENERATOR SETS, GASOLINE ENGINE
DRIVEN, 0.5 KW (LESS ENGINE)

<i>D O D</i>			
<i>M O D E L</i>	<i>C L A S S</i>	<i>H E R T Z</i>	<i>N S N</i>
MEP-014A	UTILITY	6 0	6115-00-923-4469
MEP-019A	UTILITY	4 0 0	6115-00-940-7862
MEP-024A	UTILITY	28 VDC	6115-00-940-7867

HEADQUARTERS, DEPARTMENTS OF THE ARMY AND THE AIR FORCE
OCTOBER 1977

**HEADQUARTERS
DEPARTMENTS OF THE ARMY AND AIR FORCE
WASHINGTON, DC, 11 October 1977**

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(FIELD), (DIRECT SUPPORT AND GENERAL SUPPORT),
AND DEPOT MAINTENANCE MANUAL**

**GENERATOR SETS, GASOLINE ENGINE DRIVEN,
0.5 KW (LESS ENGINE)**

DOD				
MODEL	CLASS	HERTZ	NSN	
MEP-014A	UTILITY	60	6115-00-923-4469	
MEP-019A	UTILITY	400	6115-00-940-7862	
MEP-024A	UTILITY	28VDC	6115-00-940-7867	

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***This manual supersedes TM 5-6115-329-15, 26 June 1968, including all changes.**

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CHAPTER 1

INTRODUCTION

Section I. GENERAL

1-1. Scope

This manual is for your use in operating and maintaining the DOD Generator Set, 0.5 KW, Model MEP-014A, MEP-019A and MEP-024A. The contents of the manual will be followed if in conflict with the contents of any referenced document.

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, (F) for Air Force, and (N) for Navy. Portions not prefixed are applicable to all services.

1-3. Maintenance Forms and Records

a. (A) Maintenance forms and records used by Army personnel are prescribed by TM 38-750.

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.

c. (N) Navy users should refer to their service peculiar directives to determine 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:

a. (A) Army - DA Form 2028 or 2028-2 directly to: Commander, US Army Troop Support & Aviation Materiel Readiness Command, ATTN: DRSTS-MTPS, 4300 Goodfellow Boulevard, St. Louis, MO 63120.

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

c. (N) Navy - by letter directly to: Commanding

Office, US Navy, Ships Parts Control Center, ATTN: Code 783, Mechanicsburg, PA 17055.

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.

c. (N) Navy users shall determine their maintenance levels in accordance with their service directives.

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

(A) Refer to TM 750-244-3 for information to prevent enemy use.

1-7. Administrative Storage (A, F)

a. Army users refer to TM 740-90-1, Administrative Storage, for instructions relative to administrative storage.

b. Air Force users refer to TO 35-1-4, Processing and Inspection of Aerospace Ground Equipment for Storage and Shipment, for instructions relative to administrative storage.

1-8. Preparation for Shipment and Storage

a. (A) Army - Refer to TB 740-97-2 and TM 740-90-1.

b. (F) Air Force - Refer to TO 35-1-4 for end item generator sets and TO 38-1-5 for installed engine.

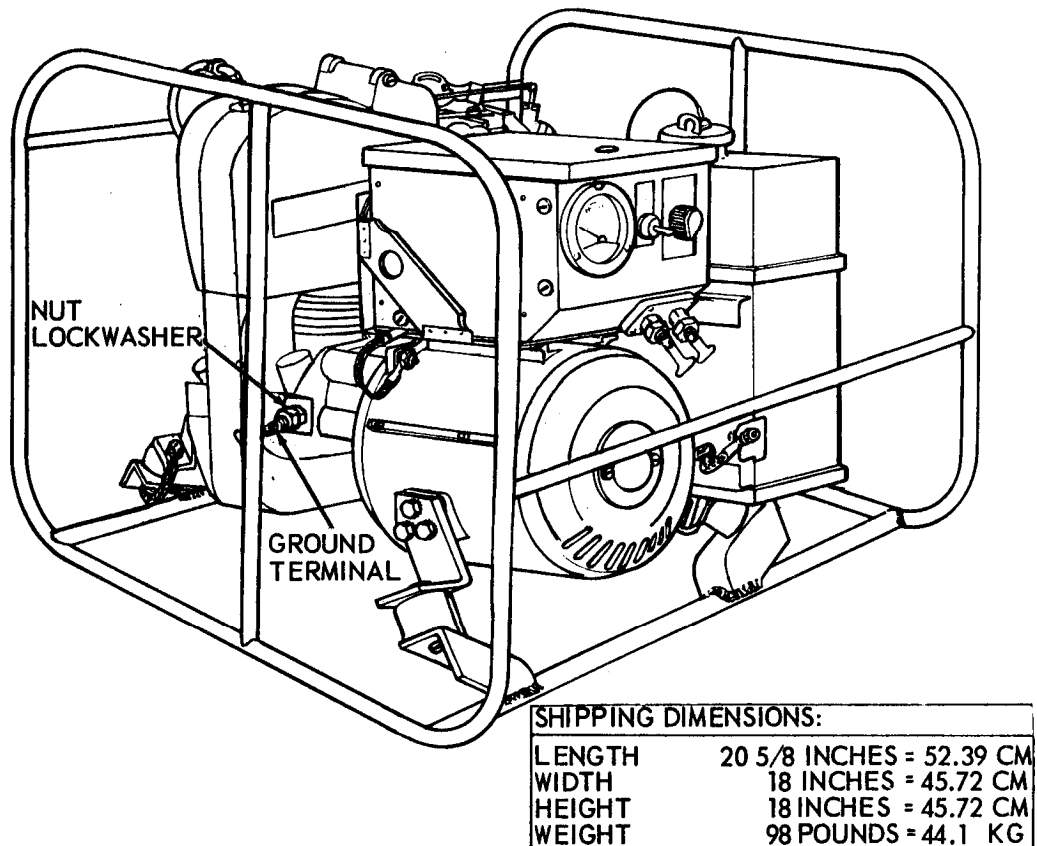
c. (N) Navy - Refer to individual service directives for requirements.

Section II. DESCRIPTION AND DATA

1-9. Description

a. Generator Set. The generator set (figs. 1-1 through 1-6) is a portable unit consisting of a Military Standard 1-1/2 horsepower gasoline engine, model 1A08-3, directly coupled to a Military design generator, DOD Model MEP-014A (0.5 kilowatt, 120 or 240 volt, 60 Hertz generator), DOD Model MEP-019A (0.5 kilowatt, 120 or 240 volt, 400-Hertz a.c., generator) (except sets manufactured by Bucknell, contract DSA 400-71-C-6006, serial number

range SB71-0001 through SB71-0177 which are 400 Hz, 120 volt AC, single-phase only), or DOD Model MEP-024A (0.5 kilowatt, 28 volt, d.c., generator), and the necessary components and accessories required for a self-contained generating unit. The unit is cushioned with rubber mounts and is mounted in an aluminum tubular frame. It will operate at an angle of 15° (maximum) in any plane from horizontal. The generator set is radio suppressed.



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Figure 1-1. Generator set, model MEP-019A, left-front, three-quarter view, with shipping dimensions.