

**ARMY TECHNICAL MANUAL
NAVY PUBLICATION**

**TM5-6115-465-12
NAVFAC P-8-625-12**

**AIR FORCE TECHNICAL ORDER TO-35C2-3-446-1
MARINE CORPS TECHNICAL MANUAL TM-06858B/06859D-12**

TECHNICAL MANUAL

OPERATOR AND ORGANIZATIONAL MAINTENANCE MANUAL

**GENERATOR SET, DIESEL ENGINE DRIVEN, TACTICAL SKID MTD. 30 KW,
3 PHASE, 4 WIRE, 120/208 AND 240/416 VOLTS**

<u>DOD MODEL</u>	<u>CLASS</u>	<u>HERTZ</u>	<u>FSN</u>
MEP-005A	UTILITY	50/60	6115-118-1240
MEP-104A	PRECISE	50/60	6115-118-1247
MEP-114A	PRECISE	400	6115-118-1248

INCLUDING AUXILIARY EQUIPMENT

<u>DOD MODEL</u>	<u>NOMENCLATURE</u>	<u>FSN</u>
MEP-005AWE	WINTERIZATION KIT, FUEL BURNING	6115-463-9083
MEP-005AWE	WINTERIZATION KIT, ELECTRIC	6115-463-9085
MEP-005ALM	LOAD BANK KIT	6115-463-9088
MEP-005AWM	WHEEL MOUNTING KIT	6115-463-9094

**PUBLISHED UNDER THE AUTHORITY OF THE DEPARTMENTS OF THE ARMY, AIR FORCE, AND NAVY
(INCLUDING U.S. MARINE CORPS)**

JANUARY 1975

This copy is a reprint which includes current
pages from Changes 1 through 9

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CHAPTER 1

INTRODUCTION

Section I. GENERAL

1-1. Scope

a. This manual is published for the information and guidance of personnel to whom the 30 KW Diesel Engine Driven Generator Set is issued. It contains instructions for operation and organizational maintenance of 50/60 Hz (Mode I) Tactical Precise (Class 1) and 400 Hz (Mode II) Tactical Precise (Class 1) models of the generator set. Also included are descriptions of major components and their functions in relation to other components.

b. Appendix A contains a list of reference publications applicable to this manual.

NOTE

Marine Corps users should refer to the SL-1-2 under the equipment I D numbers for a listing of related publications. They should refer to the applicable stock list for issue of maintenance and operating supplies.

c. Appendix B (Army Only) lists integral components of and basic issue items. Appendix C contains the Maintenance Allocation Chart which determines level of maintenance for Army users. Appendix D lists maintenance and operating supplies. Appendix E lists additional items that are authorized.

NOTE

Air Force users shall accomplish maintenance at user level consistent with their capability in accordance with policies established by AFM 66-1.

1-2. Forms and Records

NOTE

This manual is used by Army, Air Force, Navy, and Marine Corps personnel. Use of forms as directed in this manual will be accomplished only by personnel of that service to which such forms apply.

a. Maintenance Forms and records used by Army personnel will be only those prescribed by DA PAM 738-750. Those to be used by Marine Corps personnel are prescribed in the current edition of TM 4700-15/1. Air Force forms and records used will be those prescribed by AFM 66-1 and the applicable 00-20 Series Technical Orders. Navy users should refer to their appropriate specifications or publication to determine the applicable maintenance Forms and records to be used.

b. Report of errors, omissions, and recommendations for improvement of this manual by its user is encouraged. Such reports should be submitted by various service personnel as follows:

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

(2) Army. DA Form 2028 directly to Commander, US Army Troop Support Command, ATTN: AMSTR-MCTS, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798.

(3) Marine Corps. NAVMC 10772 directly to Commanding General, U S Marine Corps, Marine Corps Logistics Base, (Code 850), Albany, GA 31704-5000.

(4) Navy. By letter directly to Commander, Naval Construction Battalion Center, ATTN: Code 15741, Port Hueneme, CA 93043-5000.

1-2.1. Hand Receipt. Army. Hand receipts covering the Components of End Item (COEI), Basic Issue Items (BII) and Additional Authorization List (AAL) items are published in a Hand Receipt Manual. The Hand Receipt Manual numerical designation is the same as the related Technical Manual with the letters HR added to the number. These manuals are published to aid in property accountability and are available through: Commander, US Army Adjutant General Publication Center, 2800 Eastern Blvd., Baltimore, MD 21220-2896.

1-3. Demolition to Prevent Enemy Use

Demolition of the generator set to prevent enemy use will be in accordance with the requirements of TM 750-244-3 (Procedures for Destruction of Equipment to Prevent Enemy Use for US Army and US Marine Corps).

1-4. Shipment and Storage

Preparation for shipment and storage for US Air Force will be in accordance with TO 35-1-4. Shipment and Storage for US Army and US Marine Corps will be in accordance with TB 740-97-2.

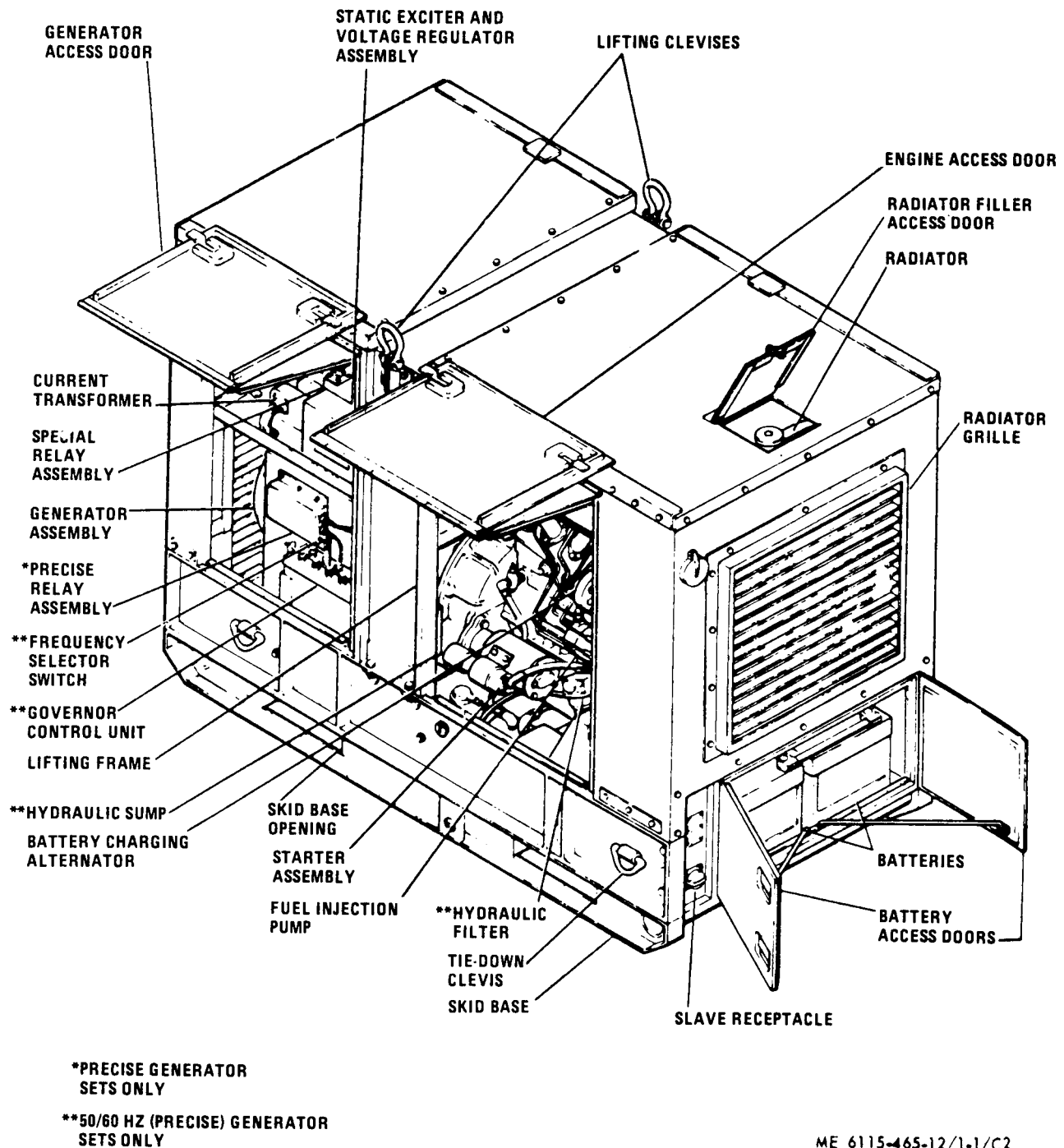


Figure 1-1. Engine Generator Set Right Front