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AIR FORCE TO-35C2-3-444-2
NAVY NAVFAC P-8-626-34
MARINE CORPS TM-00038G-35

TECHNICAL MANUAL

INTERMEDIATE (FIELD) (DIRECT AND GENERAL SUPPORT

AND DEPOT MAINTENANCE MANUAL

GENERATOR SET, DIESEL ENGINE DRIVEN, TACTICAL

SKID MTD., 60 KW, 3 PHASE, 4 WIRE, 120/208 AND 240/416 VOLTS

<u>DOD MODELS</u>	<u>CLASS</u>	<u>HERTZ</u>	<u>FSN</u>
MEP006A	UTILITY	50/60	6115-118-1243
MEP006A	PRECISE	50/60	6115-118-1252
MEP115A	PRECISE	400	6115-118-1253

INCLUDING OPTIONAL KITS

<u>DOD MODELS</u>	<u>NOMENCLATURE</u>	<u>FSN</u>
MEP006AWF	WINTERIZATION KIT, FUEL BURNING	6115-407-8314
MEPO06AWE	WINTERIZATION KIT, ELECTRIC	6115455-7693
MEP006ALM	LOAD BANK KIT	6115407-8322
MEPO06AWM	WHEEL MOUNTING KIT	6115463-9092

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HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 10 JUNE 1973

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CHAPTER 1

INTRODUCTION

Section I. GENERAL

1-1. Scope.

a. This manual contains instructions for immediate (field) (direct support, general support) and depot maintenance personnel maintaining the engine sets, 50/60 Hertz (Mode 1) Tactical Utility (Class 2) and Tactical Precise (Class 1) and Engine Generator Sets, 400 Hertz (Mode 11) Tactical Precise (Class I) as authorized by the maintenance allocation chart. It provides information on the maintenance of the equipment which is beyond the scope of the tools, equipment, personnel, or supplies normally available to the operator and organizational levels.

b. Demolition of material 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). Preparation for shipment and storage for U.S. Air Force will be in accordance with T.O. 35-1-4. Shipment and storage for U.S. Army will be in accordance with TB-740-97-2.

1-2. Forms and Records.

THIS TECHNICAL MANUAL IS USED BY THE ARMY, AIR FORCE, NAVY AND MARINE CORPS. THE USE OF FORMS IN COMPLIANCE WITH DIRECTIVES AS STATED HEREIN WILL BE ACCOMPLISHED ONLY BY THE PERSONNEL OF THE SERVICE TO WHICH THEY APPLY.

a. Forms and Records used by the Army will be only those prescribed by DA Pam 738-750. Those used by the Marine Corps will be those prescribed by TM4700-15/1. Other service users should refer to appropriate specifications/publications for equipment maintenance forms and records.

b. Report of errors, omissions, and recommendations for improvement of this publication by the individual users should be submitted as follows:

(1) Air Force-AFTO Form 22. Direct to: Commander, Sacramento Air Logistics Center, ATTN: SM-ALC-MMETDA, McClellan Air Force Base, California 95652-5609, in accordance with TO-00-5-1.

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

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

(4) Navy-by letter. Direct to: Commanding Officer, Naval Construction Battalion Center, ATTN: Code 15741, Port Hueneme, CA 93043-5000.

Section II. DESCRIPTION AND DATA

1-3. Description

A general description of the diesel engine generator sets and information pertaining to the identification plates are contained in the Operator and Organizational Maintenance Manual. Detailed descriptions of the components of the diesel engine generator sets are provided in the applicable maintenance paragraphs of this manual.

1-4. Time Standards.

Table 1-1 lists the number of man-hours required under normal conditions to perform the indicated-maintenance and repair for the generator set. Components are listed under the appropriate group number. The times listed are not intended to be rigid standards. Under adverse

conditions, the operations will take longer, but under ideal conditions with highly skilled mechanics, most of the operations can be accomplished in less time.

1-5. Tabulated Data.

a. General. This paragraph contains all maintenance data pertinent to intermediate (field) (direct, general support) and depot maintenance personnel.

b. Engine Generator Set. Refer to Operator and Organizational Maintenance Manual.

c. Main Generator. (50/60 Hz) Exciter field voltage and current versus load, see the following: