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TECHNICAL MANUAL

OPERATOR AND ORGANIZATIONAL
MAINTENANCE MANUAL

GENERATOR SET, DIESEL ENGINE DRIVEN, TACTICAL

SKID MTD., 100 KW, 3 PHASE, 4 WIRE, 120/208 AND 240/416 VOLTS

<u>DOD MODELS</u>	<u>CLASS</u>	<u>HERTZ</u>	<u>NSN</u>
MEP007A	UTILITY	50/60	6115-00-133-9101
MEP106A	PRECISE	50/60	6115-00-133-9102
MEP116A	PRECISE	400	6115-00-133-9103

INCLUDING OPTIONAL KITS

<u>DOD MODELS</u>	<u>NOMENCLATURE</u>	<u>NSN</u>
MEPO07AWF	WINTERIZATION KIT, FUEL BURNING	6115-00-463-9084
MEPO07AWE	WINTERIZATION KIT, ELECTRIC	6115-00-463-9085
MEPO07ALM	DUMMY LOAD KIT	6115-00-463-9086
MEPO07AWM	WHEEL MOUNTING KIT	6115-00-463-9089

Consolidated Diesel Electric Company
Contract Number F04606-70-D-0192 and F04606-78-C-0363

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CHAPTER 1

INTRODUCTION

Section I. GENERAL

1-1. SCOPE.

a. This technical manual contains instructions for use by operation and organizational maintenance personnel maintaining the 100 KW, Diesel Engine Generator Sets, Military Models MEP007A, MEP106A, and MEP116A as allocated by the Maintenance Allocation Chart. The instructions provided cover operation, lubrication, preventive maintenance checks and services, and maintenance procedures within the scope of the operator and organizational maintenance personnel for the generator sets, their accessories, and auxiliaries.

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

1-2. FORMS AND RECORDS.

a. Forms and records used by the Army will be only those prescribed by TM 38-750. 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 improvements of this publication by the individual users is encouraged. Reports should be submitted as follows:

1. Air Force - AFTO Form 22 in accordance with T.O. 00-5-1 and direct to: Commander, Sacramento Air Logistics Center, ATTN: MMEDT, McClellan AFB, California 95652.

2. Army - DA Form 2028 direct to: Commanding General, U.S. Army Troop Support and Aviation Material Readiness Command, ATTN: DRSTS-MTP, 4300 Goodfellow Blvd., St. Louis, Missouri 63120.

3. Marine Corps - by letter direct to: Commandant, U.S. Marine Corps, ATTN: Code LME, Washington, D. C. 20380.

4. Navy - by letter direct to: Commanding Officer, U.S. Navy Ships Parts Control Center, ATTN: Code 783, Mechanicsburg, Pennsylvania 17055.

1-2A. TIME COMPLIANCE TECHNICAL ORDERS.

This technical manual incorporates the Time Compliance Technical Order (TCTO) 35C2-3-442-503; dated 15 July 1977; Modification of Generator Set DED 100 KW, 400 Hz, DOD Model ME P116A for compatability with E3A-AWACS program (EC P76CE2122).

Section II. DESCRIPTION AND DATA

1-3. DESCRIPTION.

a. Generator sets, military models: MEP007A, MEP006A and MEP116A

(figures 1-1 and 1-2) are multi-purpose, portable skid-mounted, self-contained units. Each set is equipped with engine oil pan heating elements and connections