

TECHNICAL MANUAL

Intermediate (Field) (Direct and General Support)
and Depot Level Maintenance Manual

GENERATOR SET, DIESEL ENGINE DRIVEN, TACTICAL
SKID MTD., 500 KW, 3 PHASE, 4 WIRE, 120/208 AND 240/416 VOLTS

<u>DOD MODEL</u>	<u>CLASS</u>	<u>HERTZ</u>	<u>NSN</u>
MEP-029A	UTILITY	50/60	6115-01-030-6085
MEP-029B	UTILITY	50/60	6115-01-318-6302

INCLUDING OPTIONAL KITS

<u>DOD MODELS</u>	<u>NOMENCLATURE</u>	<u>NSN</u>
MEP-029AHK	HOUSING KIT	6115-01-070-7550
MEP-029ACM	AUTOMATIC CONTROL MODULE	6115-01-275-7912
MEP-029ARC	REMOTE CONTROL MODULE	6110-01-070-7553
MEP-029ACC	REMOTE CONTROL CABLE	6110-01-087-4127

Approved for public release; distribution is unlimited.

*This manual supersedes TM 5-6115-593-34/NAVFAC P-8-631-34/TO-35C2-3-463-2, dated 21 September 1981, including all changes.

HEADQUARTERS
DEPARTMENTS OF THE ARMY, NAVY AND AIR FORCE
WASHINGTON, D.C., 23 JULY 1991

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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 the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual directly to: US Army Troop Support Command, ATTN: AMSTR-MMTS, 4300 Goodfellow Blvd. , St. Louis, MO 63120-1798. A reply will be furnished directly to you.

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CHAPTER 1

INTRODUCTION

Section I. GENERAL

1-1. **SCOPE.** This manual contains instructions for intermediate (field) (direct support and general support) and depot maintenance personnel maintaining the 500 KW Diesel Engine Driven Generator Set. The unit is a 50/60 Hertz, (Mode I) Tactical Utility (Type I, Class 2A) Set and maintained as authorized by the Maintenance Allocation Chart (MAC). 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/crew and organizational levels. Where the contents of referenced documents conflict with the contents of this manual, the contents of this manual will be followed.

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.** The forms and records used for maintenance purposes by the various services are specified as follows:

- a. (A) Maintenance forms and records used by Army personnel are prescribed by DA PAM 738-750.
- 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.** 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 directly to: Commander, U. S. Army Troop Support Command, ATTN: AMSTR-MCTS, 4300 Goodfellow Boulevard, St. Louis, MO 63120-1798.
- 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.
- c. (N) Navy by letter directly to: Commanding Officer, Naval Construction Battalion Center, ATTN: Code 15741, Port Hueneme, CA 93043-5000.

1-5. **LEVELS OF MAINTENANCE ACCOMPLISHMENT.** The authorized maintenance and repair functions will be accomplished as follows:

- a. (A, MC) Army and Marine Corps 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.

Section II. DESCRIPTION AND TABULATED DATA

1-6. **DESCRIPTION.** A general description of the generator set and the auxiliary equipment used in conjunction with it is contained in the Operator/ Crew

and Organizational Maintenance manual. Detailed descriptions of the