

TECHNICAL MANUAL

**OPERATOR'S, UNIT, DIRECT SUPPORT AND
GENERAL SUPPORT MAINTENANCE MANUAL
(INCLUDING REPAIR PARTS AND
SPECIAL TOOLS LIST)**

**POWER UNIT
PU-751/M (NSN 6115-00-033-1373)
MEP-002A 5 KW 60 HZ GENERATOR SET
M116A1 2-WHEEL, 2-TIRE,
MODIFIED TRAILER**

*This manual supersedes Chapter 12 of TM 5-6115-594-14&P dated 25 September 1984.

Approved for public release; distribution is unlimited

TECHNICAL MANUAL
NO. 5-6115-630-14&P

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 5 October 1989

Operator's, Unit, Direct Support and
General Support Maintenance Manual
(Including Repair Parts and Special Tools List)

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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 these procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual directly to: Commander, US Army Aviation and Troop Command, ATTN: AMSAT-I-MP, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. You may also submit your recommended changes by E-mail directly to <mpmt%avma28@st-louis-emh7.army.mil>. A reply will be furnished directly to you. Instructions for sending an electronic 2028 may be found at the back of this manual immediately preceding the hard copy 2028.

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CHAPTER 1

INTRODUCTION

Section I. GENERAL

1-1. **Scope.** This manual is for your use in operating and maintaining the Power Unit, PU-751/M. The PU-751/M is a mobile power unit used to supply power to any system or equipment requiring up to 5 kW of 60 Hz input operating power. In addition to operating instructions and operator, unit, and intermediate direct support and general support maintenance procedures, this manual contains a Repair Parts and Special Tools List for the power unit.

1-2. **Maintenance Forms and Records.** Maintenance forms and records used by Army personnel are prescribed by DA Pam 738-750.

1-3. **Reporting of Errors.** Reporting of errors and omissions and recommendations for improvement of this publication by the individual user is encouraged. Submit DA Form 2028 directly to: Commander, US Army Aviation and Troop Command, ATTN: AMSAT-I-MT, 4300 Goodfellow Boulevard, St. Louis, MO 63120-1798.

1-4. **Reporting Equipment Improvement Recommendations (EIR).** EIR's will be prepared using SF 368, Product Quality Deficiency Report. Instructions for preparing EIR's are provided in DA PAM 738-750, The Army Maintenance Management System. EIR's should be mailed directly to: Commander, US Army Aviation and Troop Support Command, ATTN: AMSAT-I-MDO, 4300 Goodfellow Boulevard, St. Louis, MO 63120-1798.

1-5. **Levels of Maintenance Accomplishment.** Army users shall refer to the Maintenance Allocation Chart (MAC) for tasks and levels of maintenance to be performed.

1-6. **Destruction of Army Materiel.** Destruction of Army materiel to prevent enemy use shall be in accordance with TM 750-244-3.

1-7. **Administrative Storage.**

a. Placement of equipment in administrative storage should be for short periods of time when a shortage of maintenance efforts exists. Items should be in mission readiness within 24 hours or within the time factors as determined by the directing authority. During the storage period appropriate maintenance records will be kept.

b. Before placing equipment in administrative storage, current maintenance services and equipment serviceable criteria (ESC) evaluations should be completed, shortcomings and deficiencies should be corrected, and all modification work orders (MWO's) should be applied.

c. Storage site selection. Inside storage is preferred for items selected for administrative storage. If inside storage is not available, trucks vans, conex containers and other containers may be used.

1-8. **Preparation for Shipment and Storage.** Refer to TB 740-97-2.

Section II. DESCRIPTION AND DATA

1-9. **Description.** Power Unit PU-751/M is made up of one Tactical Utility Generator Set, DOD Model MEP-002A, mounted on a modified M116A1 trailer. The generator set is an air-cooled diesel engine-driven unit with a load capacity of 5 KW at 60 Hz. The trailer is a two-wheeled unit with a 3/4-ton carrying capacity. The modifications to the basic trailer provide stowage for the accessories and all equipment necessary for mobile operation as well as providing a work platform for the operator and maintenance personnel. Figures 1-1 and 1-2 illustrate the power unit with the fitted cover removed to show the generator set.

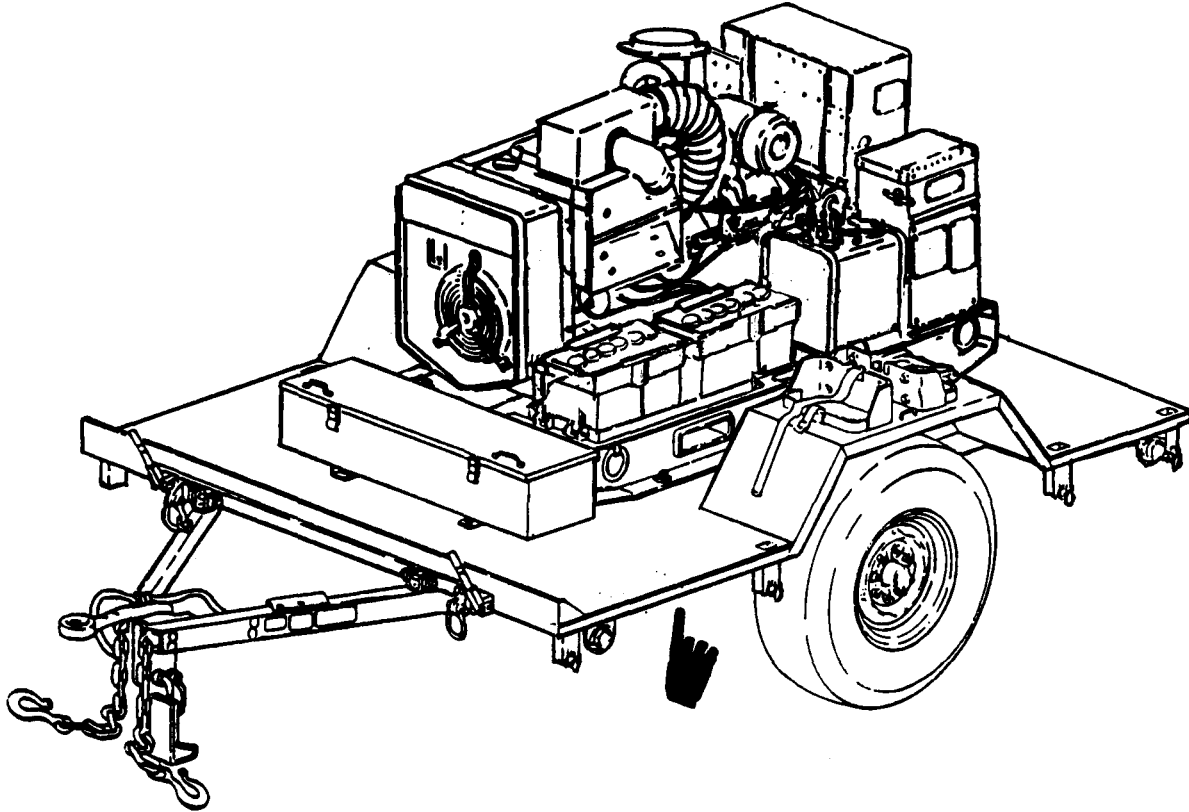


Figure 1-1. Power Unit, Roadside Front, Three-Quarter View.