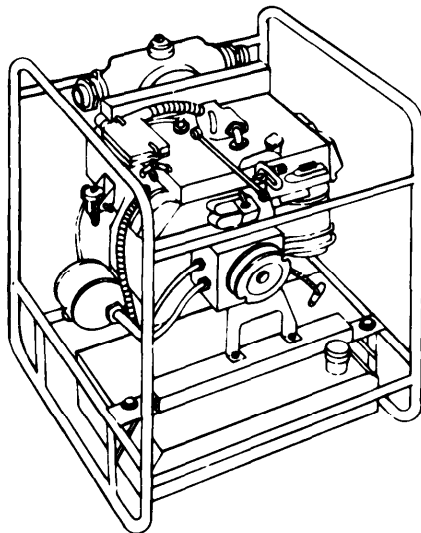


DEPARTMENT OF THE ARMY TECHNICAL MANUAL

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



PUMP, CENTRIFUGAL
GASOLINE ENGINE DRIVEN; FRAME MTD;
2-INCH, 170 GPM, 50-FOOT HEAD
(MILITARY DESIGN MODEL 2-170-50-G)
NSN 4320-00-082-6004

INTRODUCTION
OPERATING INSTRUCTIONS
OPERATOR MAINTENANCE INSTRUCTIONS
ORGANIZATIONAL MAINTENANCE INSTRUCTIONS
DIRECT SUPPORT MAINTENANCE INSTRUCTIONS
APPENDIX A REFERENCES
APPENDIX B MAINTENANCE ALLOCATION CHART
APPENDIX C ADDITIONAL AUTHORIZED LIST
APPENDIX D REPAIR PARTS AND SPECIAL TOOLS LIST

This manual supersedes TM 5-4320-228-14, 2 December 1968, including all changes.

HEADQUARTERS, DEPARTMENT OF THE ARMY
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TECHNICAL MANUAL

No. 5-4320-228-13&P

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DEPARTMENT OF THE ARMY .
Washington, D. C., 27 January 1982

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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 direct to: Commander, US Army Troop Support and Aviation Materiel Readiness Command, ATTN: DRSTS-MTT, 4300 Goodfellow Blvd., St. Louis, MO 63120. A reply will be furnished directly to you.

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CHAPTER 1

INTRODUCTION

Section I. GENERAL INFORMATION

1-1. SCOPE.

a. This manual covers Centrifugal Pump, Military Design Model 2-170-50-G. It contains operating instructions, and maintenance instructions for Operator, Organizational, and Direct Support Maintenance. The pump (figure 1-1) is used to pump fresh water.

b. The engine is covered in TM 5-2805-203-14.

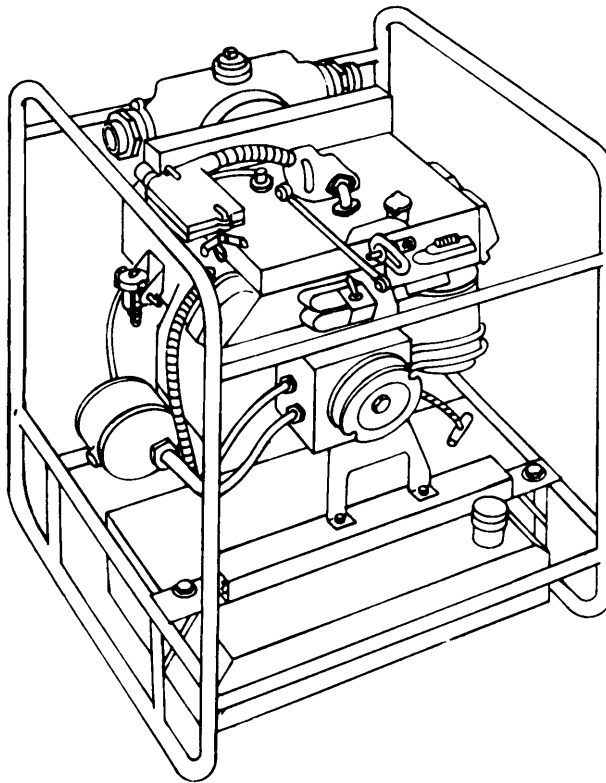


Figure 1-1. Centrifugal pump.
(right rear three-quarter view)

1-2. MAINTENANCE FORMS, RECORDS, AND REPORTS.

Department of the Army forms and procedures used for equipment maintenance will be those prescribed by TM 38-750, The Army Maintenance Management System (TAMMS).

1-3. DESTRUCTION OF ARMY MATERIEL TO PREVENT ENEMY USE.

Procedures for destroying Army materiel to prevent enemy use are listed in TM 750-224-1-4.

1-4. PREPARATION FOR STORAGE OR SHIPMENT.

For administrative storage of equipment refer to TM 740-90-1 for instructions.

1-5. REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR).

Eir's can and must be submitted by anyone who is aware of an unsatisfactory condition with the equipment design or use. It is not necessary to show a new design or list a better way to perform a procedure, just simply tell why the design is unfavorable or why a procedure is difficult. Eir's may be submitted on SF 368 (Quality Deficiency Report). Mail directly to Commander, US Army Troop Support and Aviation Materiel Readiness Command, ATTN: DRSTS-MPM, 4300 Goodfellow Boulevard, St. Louis, MO 63120. A reply will be furnished to you.

Section II. EQUIPMENT DESCRIPTION AND DATA

1-6. DESCRIPTION AND DATA.

The pump is:

CENTRIFUGAL. Uses a high speed rotating motion that forces water away from the center.

SELF CONTAINED. Pump and engine are coupled together as one unit. No additional equipment is needed to run the pump.

FRAME MOUNTED. For ease of handling.

The pump can:

Pump 170 gallons of fresh water per minute at 50 foot head.

Operate in all weather conditions.