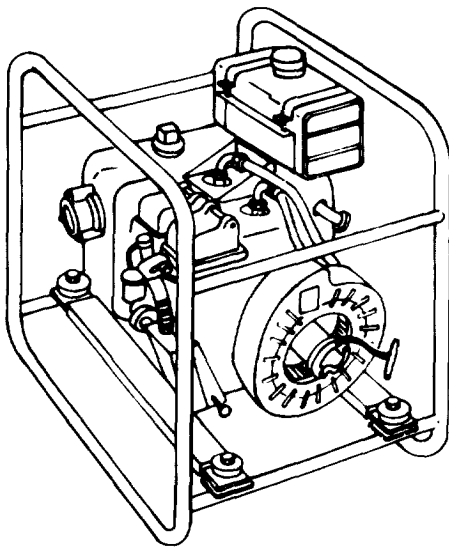


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TECHNICAL MANUAL

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



PUMP, CENTRIFUGAL:  
GASOLINE ENGINE DRIVEN; FRAME MTD:  
2-INCH, 125 GPM, 50-FOOT HEAD  
(MILITARY DESIGN MODEL 2-125-50-G)  
NSN 4320-00-542-3347

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HEADQUARTERS, DEPARTMENT OF THE ARMY

10 SEPTEMBER 1982

TECHNICAL MANUAL

No. 5-4320-208-12&amp;P

HEADQUARTERS  
DEPARTMENT OF THE ARMY  
WASHINGTON, D.C., 10 September 1982OPERATOR'S AND ORGANIZATIONAL MAINTENANCE MANUAL  
(INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST)PUMP, CENTRIFUGAL: GASOLINE ENGINE DRIVEN; FRAME MTD;  
2-INCH, 125 GPM, 50-FOOT HEAD  
(MILITARY DESIGN MODEL 2-125-50-G)

NSN 4320-00-542-3347

## 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-MPSD, 4300 Goodfellow Blvd., Saint Louis, MO 63120. A reply will be furnished directly to you.

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\*This manual supersedes TM 5-4320-208-12, October 1968, including all changes, and TM 5-4320-208-20P, April 1969.

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## CHAPTER 1

## INTRODUCTION

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Section I. GENERAL INFORMATION

## 1-1. SCOPE.

This manual covers Centrifugal Pump, Military Design Model 2-152-50-G. It contains operating instructions, and maintenance instructions for Operator, and Organizational Maintenance. The pump (figure 1-1) is used to pump fresh water.

- b. The engine is covered in TM 5-2805-257-14.

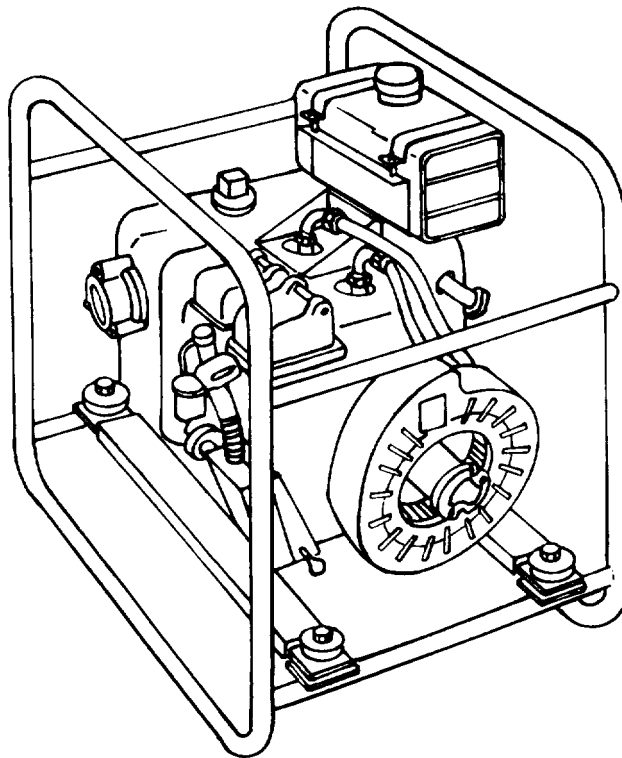


Figure 1-1. Centrifugal pump

**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 750-224-3.

**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).**

If your pump needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don't like about your equipment. Let us know why you don't like the design. Tell us why a procedure is hard to perform. Put it on an SF 368 (Quality Deficiency Report). Mail it to us at Commander, US Army Troop Support and Aviation Materiel Readiness Command, ATTN: DRSTS-MPM, 4300 Goodfellow Boulevard, St. Louis, MO 63120. We'll send you a reply.

**Section II. EQUIPMENT DESCRIPTION**

**1-6. DESCRIPTION AND DATA.**

The pump is:

CENTRIFUGAL. Uses a high speed rotating motion and 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 125 gallons of fresh water per minute at 50 foot head.

Operate in all weather conditions.

**1-7. LOCATION AND DESCRIPTION OF MAJOR COMPONENTS.**

Major components are shown and described in figure 1-2.