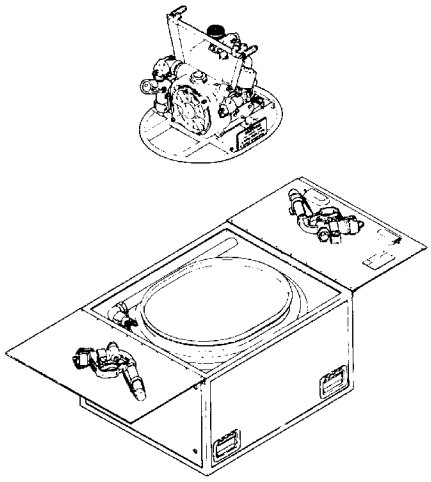
OPERATOR'S, UNIT, AND INTERMEDIATE MAINTENANCE MANUAL



PUMPING ASSEMBLY,

FLAMMABLE LIQUID, BULK

TRANSFER, 50 GPM, CENTRIFUGAL

DIESEL ENGINE DRIVEN

NSN 4320-01-171-9726

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HEADQUARTERS, DEPARTMENT OF THE ARMY

8 MAY 1987

TECHNICAL MANUAL

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HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, D.C. 8 May 1987

Operator's, Unit, and Intermediate
Maintenance Manual
PUMPING ASSEMBLY, FLAMMABLE LIQUID, BULK TRANSFER,
50 GPM, CENTRIFUGAL, DIESEL-ENGINE-DRIVEN

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REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistake 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, U.S. Army Troop Support Command, ATTN: AMSTR-MCTS, 4300 Goodfellow Boulevard, St. Louis, MO 63120-1798. A reply will be furnished directly to you.

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CHAPTER 1
INTRODUCTION

Section I. GENERAL INFORMATION

1-1. SCOPE

Type of Manual: Operator's, Unit, and Intermediate Maintenance

Model Number and Equipment Name: Pumping Assembly, Flammable Liquid, Bulk Transfer, 50 GPM, Centrifugal, Diesel-Engine-Driven

Purpose of Equipment: Pumps Liquid Petroleum Fuel

1-2. MAINTENANCE FORMS, RECORDS, AND REPORTS

Department of the Army forms and procedures used for equipment maintenance will be those prescribed by DA PAM 738-750, The Army Maintenance Management System (TAMMS).

1-3. REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR'S)

If your pumping assembly 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 or performance. Put it on an SF 368 (Quality Deficiency Report). Mail it to us at U.S. Army Troop Support Command, ATTN: AMSTR-QX , 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. We'll send you a reply.

1-4. LIMITED WARRANTY

a. The pumping assemblies are warranted by Peabody Barnes, Inc. against defective workmanship and materials for 9 months after date of installation or 36 months from the date of manufacture, whichever date occurs first. The installation date may be found in block 23, DA Form 2408-9, in the logbook. The date manufactured appears on the identification plate.

b. Report all defects in material or workmanship to your supervisor who will take appropriate action through your unit maintenance shop.

c. Peabody Barnes limits its obligation under this warranty to furnishing or replacing any product found to be defective as a result of workmanship or materials. They reserve the right to have the defective product returned at the expense of the user in order to establish the claim. If the responsibility for the failure is that of Peabody Barnes, they will absorb the transportation charges. The costs of labor, such as for removal and reinstallation of the product, are not covered under this warranty.

d. Peabody Barnes does not guarantee to maintain this product in order when its capacity is too small for the requirements, or where the system is subject to extraordinary use.

e. Peabody Barnes assumes no liability for incidental and consequential damages which may result from the use or misuse of its products. Some states do not allow the exclusion or limitation of incidental or consequential damages, however, so this limitation or exclusion may not apply.

f. This warranty provides specific legal rights, and you may also have other rights which vary from state to state.

1-5. NOMENCLATURE CROSS-REFERENCE

For precise identification, simplified nomenclature has been established for clarity and is shown in the nomenclature cross-reference list.

NOMENCLATURE CROSS-REFERENCE LIST

This listing includes nomenclature cross-references used in this manual.

Common Name	Official Nomenclature
Pumping Assembly	Pumping Assembly, Flammable Liquid, Bulk Transfer, 50 GPM, Centrifugal, Diesel-Engine-Driven
Pump Assembly	Pump Assembly (Pump and Engine)
Engine	Diesel Engine
Pump	Centrifugal Pump

1-6. ABBREVIATIONS

Abbreviations used in the manual are in accordance with requirements of MIL-STD-12.

Section II. EQUIPMENT DESCRIPTION

1-7. PURPOSE OF PUMPING ASSEMBLY

Transferring liquid petroleum to and from bulk storage facilities and dispensing in 55 gallon drums, 5 gallon cans, vehicles, and aircraft.

1-8. CHARACTERISTICS

- Variable speed operation
- Frame-mounted
- Packed in storage container with hoses and nozzle
- Self-priming