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DEPARTMENT OF THE ARMY TECHNICAL MANUAL

TECHNICAL MANUAL

OPERATION AND ORGANIZATIONAL

MAINTENANCE MANUAL

**PUMPING ASSEMBLY, FLAMMABLE LIQUID,
BULK TRANSFER, GASOLINE ENGINE DRIVEN,
350 GPM CAPACITY, 275 FEET TOTAL
DYNAMIC HEAD,
WHEEL MOUNTED (PEABODY BARNES, INC.
MODEL US37ACG)**

FSN 4320-195-4914

HEADQUARTERS, DEPARTMENT OF THE ARMY

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 DEPARTMENT OF THE ARMY
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CHAPTER 1

INTRODUCTION

Section I. GENERAL

1-1. Scope

This manual is for your use while operating and maintaining Pumping Assembly, Flammable Liquid, Bulk Transfer, Gasoline Engine Driven, 350 GPM Capacity, 275 Feet Total Dynamic Head, Wheel Mounted (Peabody Barnes, Inc. Model US37ACG). You are instructed to perform the maintenance allocated by the Maintenance Allocation Chart.

1-2. Maintenance Forms and Records

Maintenance forms and records that you are required to use are explained in TM 38-750.

1-3. Reporting of Errors

You can improve this manual by calling attention to errors and by recommending improvements, using DA Form 2028 (Recommended Changes to

Publications), or by a letter, and mail directly to Commander, U.S. Army Troop Support Command, ATTN: AMSTS-MPP, 4300 Goodfellow Boulevard, St. Louis, Missouri 63120. A reply will be furnished directly to you.

1-4. Equipment Serviceability Criteria

This equipment is not covered by an ESC.

1-5. Destruction of Army Materiel to Prevent Enemy Use

For instructions regarding destruction of equipment to prevent enemy use, refer to TM 750-244-3.

1-6. Administrative Storage

You must prepare the pumping assembly for storage according to the procedures given in TM 740-90-1.

Section II. DESCRIPTION AND DATA

1-7. Description

a. Model US37ACG Two-Wheel Mounted Pumping Assembly consists primarily of a gasoline engine, centrifugal pump, and welded frame. The

pump is coupled directly to the engine and the pump impeller is mounted on the engine crankshaft.

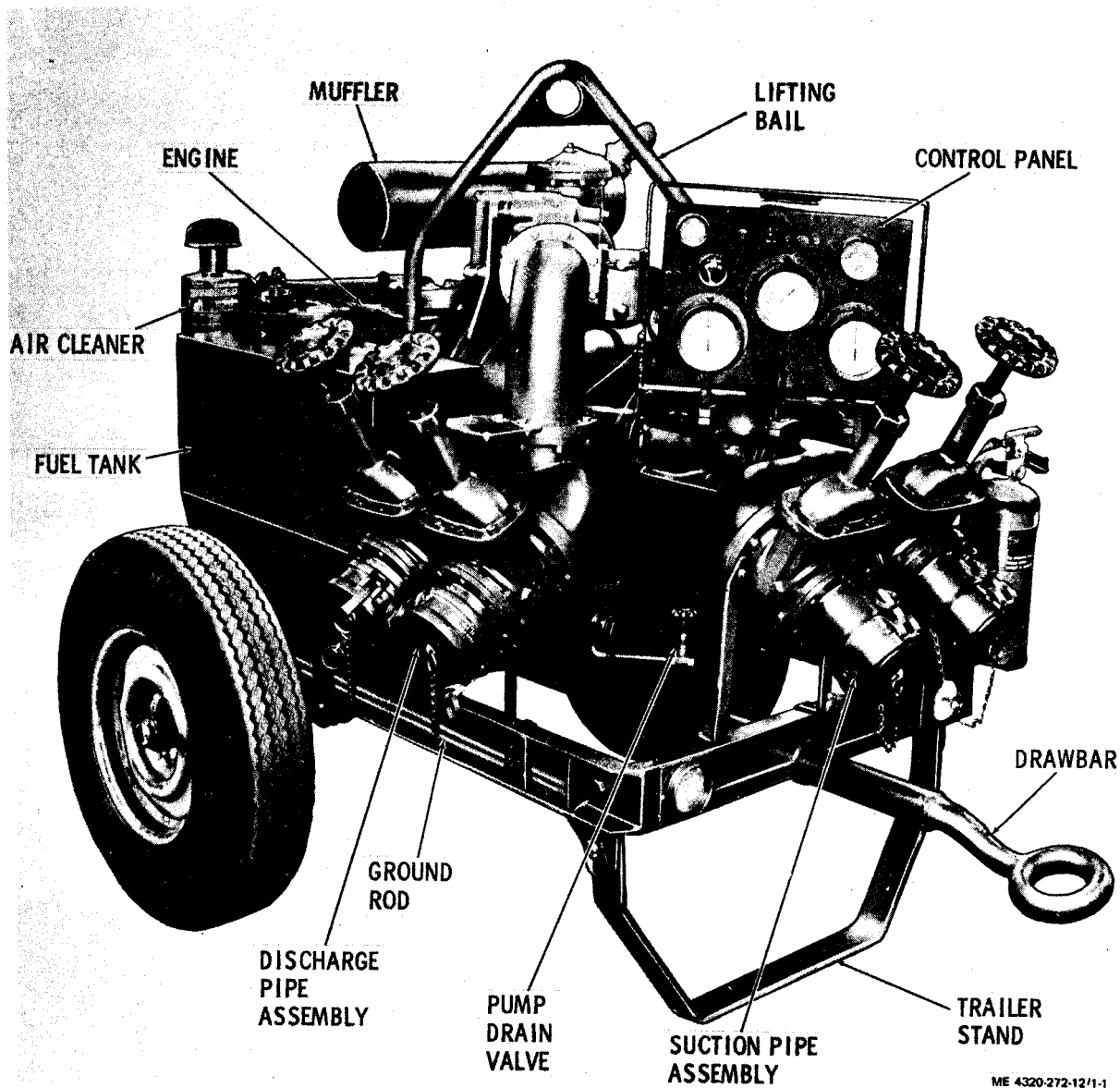


Figure 1-1. Pumping assembly, right three-quarter front view.