

**TM 5-4320-259-12**

**DEPARTMENT OF THE ARMY TECHNICAL MANUAL**

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**TECHNICAL MANUAL**

**OPERATOR AND ORGANIZATIONAL**

**MAINTENANCE MANUAL**

**PUMPING ASSEMBLY, FLAMMABLE LIQUID,**

**BULK TRANSFER,**

**LIGHTWEIGHT, CENTRIFUGAL, 100 GPM MINIMUM,**

**GASOLINE-ENGINE-DRIVEN (BARNES MODEL US6ACG)**

**FSN 4320-150-6116**

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**HEADQUARTERS, DEPARTMENT OF THE ARMY**

**SEPTEMBER 1971**

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# CHAPTER 1

## INTRODUCTION

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### Section I. GENERAL

#### 1-1. Scope

This technical manual covers the operation and operator's maintenance and organizational maintenance for Pumping Assembly, Flammable Liquid, Bulk Transfer, Lightweight, Centrifugal, 100 gallons-per-minute minimum, Gasoline, Gasoline-Engine-Driven, (Barnes Model US6ACG), Federal Stock Number 4320-150-6116. This pump is manufactured by Barnes Manufacturing Company, Mansfield, Ohio, as Model US6ACG.

#### 1-2. Forms and Records

Maintenance forms, records, and reports which are used by maintenance personnel at all maintenance levels are listed in and prescribed by TM 38-750.

#### 1-3. Reporting of Errors

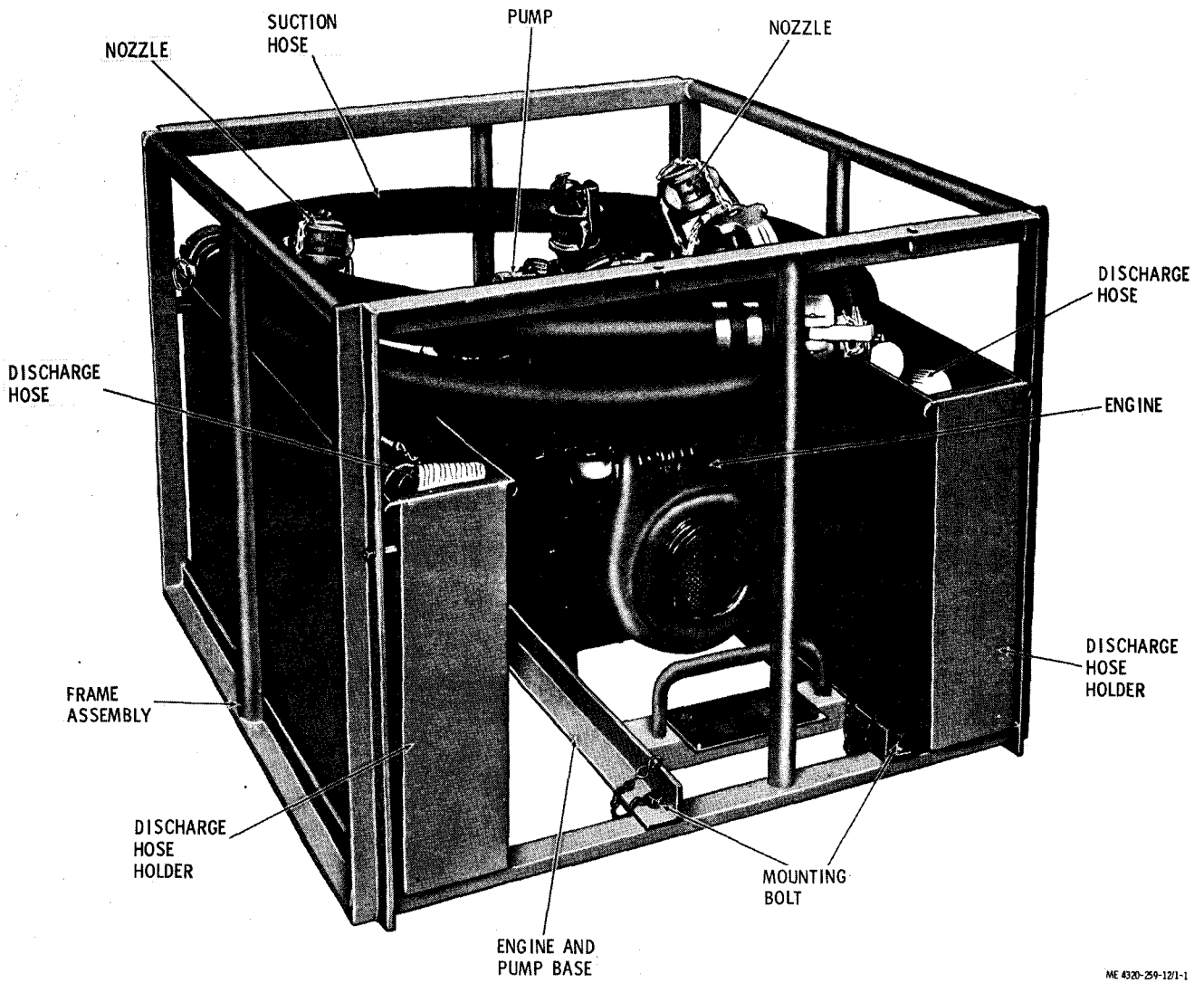
Reporting of errors, omissions, and recommendations for improving this publication by the individual user is encouraged. Reports should be submitted on DA Form 2028, Recommended Changes to Publications, and forwarded to Commanding General, U. S. Army Mobility Equipment Command, ATTN: AMSME-MP, 4300 Goodfellow Boulevard, St. Louis, Mo. 63120.

### Section II. DESCRIPTION AND DATA

#### 1-4. Description

a. Pumping Assembly Model US6ACG (fig. 1-1 and 1-2) consists of an engine-driven pump mounted on a frame, a rigid-walled suction hose, two non-rigid discharge hoses which are stored in

hose containers mounted on each side of the pump, and two manually operated hose nozzles which attach to the discharge ends of the discharge hoses to control the flow of liquid.



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*Figure 1-1. Pumping Assembly, Model US6ACG, packed for movement.*