
TECHNICAL MANUAL

DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE MANUAL

**PUMP, CENTRIFUGAL, SELF-PRIMING,
GASOLINE ENGINE DRIVEN, WHEEL MOUNTED,
6-INCH, 1500 GPM CAPACITY AT 60 FOOT HEAD
(PEABODY BARNES, INC. MODEL US90CCG-1)**

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HEADQUARTERS, DEPARTMENT OF THE ARMY

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CHAPTER 1 INTRODUCTION

Section I. GENERAL

1-1. Scope

This manual is for your use while providing direct support and general support maintenance of the Pump, Centrifugal, Self-priming, Gasoline Engine Driven, Wheel Mounted, 6-Inch, 1500 GPM Capacity at 60 Foot Head (Peabody Barnes, Inc. Model US9OCCG-1).

1-2. Maintenance Forms and Records

Maintenance forms, records, and reports that you are required to use are DA Form 2400, 2401, 2402, 2404 and 314 (see TM 38-750).

1-3. Reporting of Errors

You can help to improve this manual by calling attention to errors and by recommending improvements. Your letter, DA Form 2028 (Recommended Changes to Publications), or DA Form 2028-2 (Recommended Changes to Equipment Technical Manuals), may be used. Copies of DA Form 2028-2 are attached in the back of the manual for your use. Please mail your recommended changes directly to Commander, U. S. Army Troop Support Command, ATTN: AMSTS-MPP, 4300 Goodfellow Blvd, St. Louis, MO 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 Material to Prevent Enemy Use

a. *Priority for Destruction.* When lack of time or personnel prevents complete destruction of the equipment, the following priority will be used in demolition of essential parts.

(1) Using an axe, pick, mattock, sledge, or any other heavy implement, damage all vital elements such as controls, water, or fuel pumps, cooling systems, switches, and any other major assemblies or components.

(2) Place 1/2 pound (0.22 kg) charges on the following for demolition with explosives.

(a) Charge located at carburetor, governor, fuel pump and flywheel area.

(b) Charge located at cylinder head and crankcase.

(c) Charge located at intake and exhaust manifold.

(3) Demolition by misuse. Add sand to oil in engine and drop nuts and bolts into pump case. Run engine until pump fails.

(4) Demolition by burning. Pack rags, clothing, or canvas under or around the engine and pump. Saturate this packing with gasoline, oil, or diesel fuel and ignite.

1-6. Administrative Storage

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

Section II. DESCRIPTION AND DATA

1-7. Description

a. Centrifugal Pump, Model US9OCCG-1, consists primarily of a gasoline engine and a centrifugal

pump mounted on a two-wheel chassis. The torque from the engine is transferred to the pump through an intermediate shaft and flexible coupling.

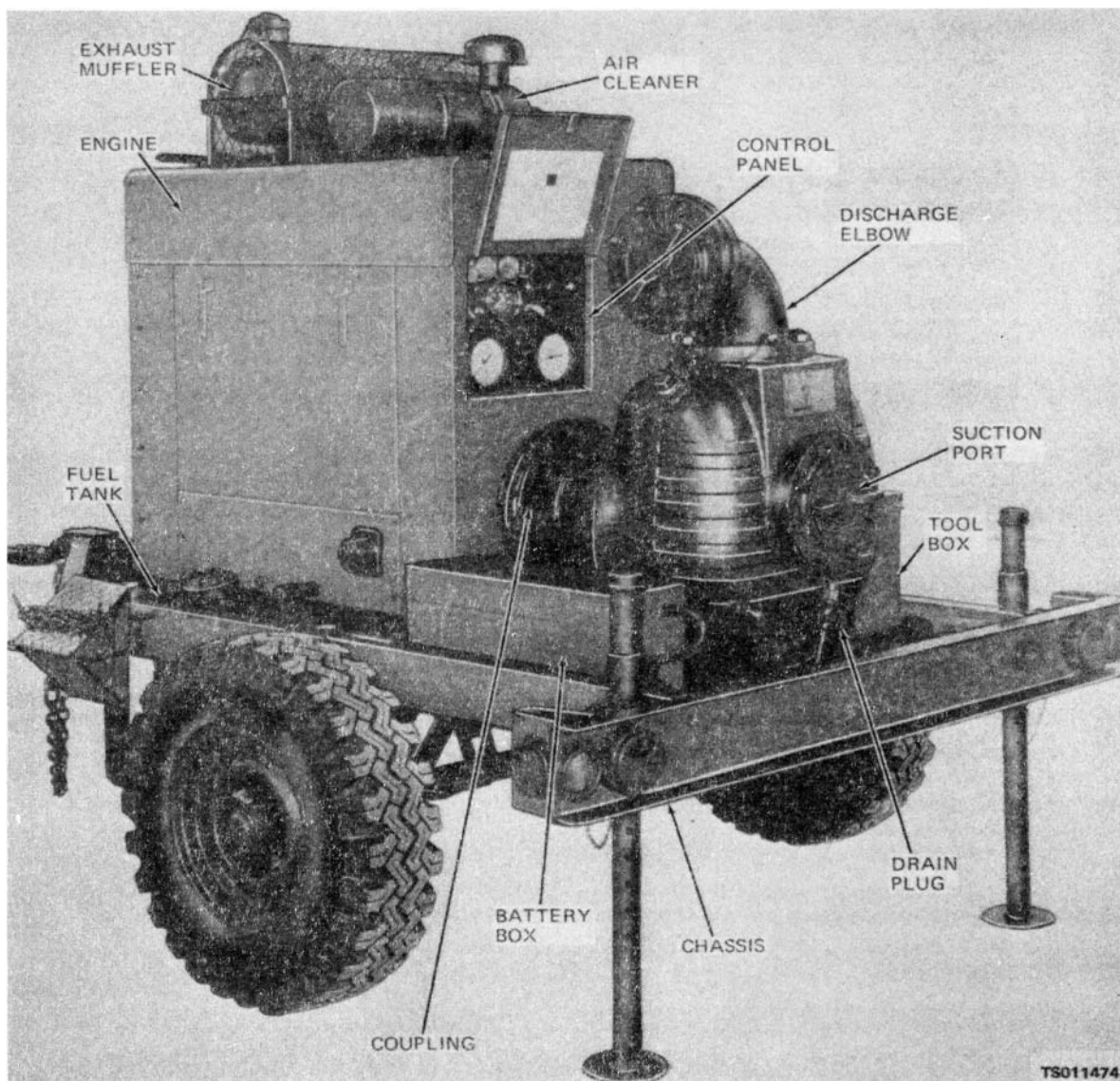


Figure 1-1. Centrifugal pump, left rear view.