

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

OPERATOR'S ORGANIZATIONAL
DS AND GS MAINTENANCE MANUAL
INCLUDING
REPAIR PARTS AND SPECIAL TOOL LISTS

PUMP,CENTRIFUGAL
GASOLINE ENGINE DRIVEN (MIL STD), 600 GPM
(E. C. SCHLEYER PUMP (O. MODEL 36M-SPS3011G-T)
FSN 4320-935-1619

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OPERATOR, ORGANIZATIONAL, DIRECT AND GENERAL SUPPORT

MAINTENANCE MANUAL, INCLUDING REPAIR PARTS

AND SPECIAL TOOL LISTS

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 600 GPM (E. C. SCHLEYER PUMP CO. MODEL 36M-SPS3011G-T)
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CHAPTER 1

INTRODUCTION

1-1. SCOPE

In this manual will be found the suggested procedures for the operation of the pump, recommendations for preventative maintenance, general service, and repair. This manual covers only those parts that are assembled and/or installed by the manufacturer. TM 5-2805-259-14, is furnished for maintenance instructions of the engine.

1-2. DESCRIPTION

A. GENERAL - The SCHLEYER pumping assembly, Model No. 36M-SPS3011G-T (Fig. 1-1 and 1-2) is a self-contained, trailer mounted, self-priming unit. This pumping unit is for pumping water, with performances in the range as shown on the plate atop the battery box. The unit has 4" NPT inlet and 4" NPT outlet with a rated capacity of 600 GPM at 50 ft TDH. The unit is powered by a four-cylinder gasoline engine directly coupled to the pumping assembly. Instruments and controls necessary for operation of the unit are mounted on the control panel (Fig. 2-2).

B. ENGINE - Refer to TM 5-2805-259-14 for a description of the Military Standard engine, Model No. 4A084-III.

C. PUMP ASSEMBLY - The pump assembly (Fig. 1-1) is a four inch conventional type self-priming centrifugal pump designed to deliver 600 GPM at 50 ft. TDH.

D. TRAILER - The trailer (Fig. 1-1) is constructed of welded steel members and is equipped with two wheels with pneumatic tires and an axle for towing at speeds up to 30 MLPH on surfaced roads. A collapsible support leg (fig. 1-1) is provided at rear of the trailer to support the unit during operation. The trailer is equipped with a removable drawbar for towing.

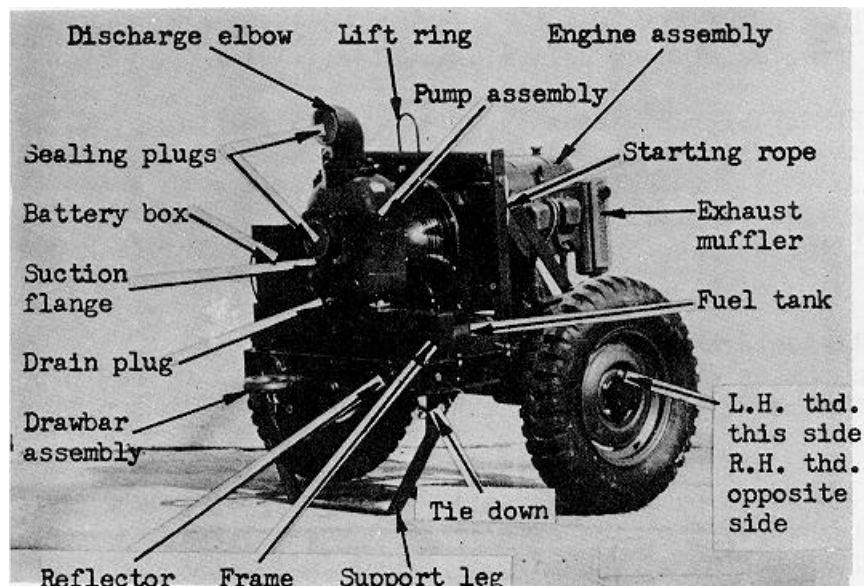


FIGURE 1-1. PUMPING, ASSEMBLY, LEFT REAR 3/4 VIEW