TM 5-4930-207-12

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

OPERATOR AND ORGANIZATIONAL MAINTENANCE MANUAL

LUBRICATING AND SERVICING UNIT, POWER OPERATED, TRAILER MOUNTED, 23 CFM COMPRESSOR, RECIPROCATING, GASOLINE DRIVEN (HENRY SPEN MODEL 901765-1) FSN 4930-017-9167

HEADQUARTERS, DEPARTMENT OF THE ARMY

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*** This manual supersedes TM 5-4930-207-12, 23 May 1966, including all changes.**

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CHAPTER 1
INTRODUCTION

Section I. GENERAL

1-1. Scope

u. This manual is published for the use of the personnel to whom the Henry Spen and Company lubricating and servicing unit Model 901765-1 is issued. It provides information on the operation and organizational maintenance of the equipment. Also included are descriptions of main units and their functions in relation to other components.

b. Appendix A contains a list of publications applicable to this manual. Appendix B contains the maintenance allocation chart. Appendix C contains a list of basic issue items authorized the operator of the equipment.

c. Numbers in parentheses on illustrations indicate quantity. Numbers preceding nomenclature callouts on illustrations indicate the preferred maintenance sequence.

d. Report 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 direct to Commanding General, U. S. Army Mobility Equipment Command, ATTN: AMSME-MPP, 4300 Goodfellow Boulevard, St. Louis, Mo. 63120.

e. Refer to TM 750-244-3 (Procedures for Destruction of Equipment to Prevent Enemy Use), for information and instructions on destruction of equipment to prevent enemy use.

1-2. Administrative Storage

Refer to TM 740-90-1 (Administrative Storage of Equipment) for information and instructions pertaining to organizational administrative storage.

1-3. Record and Report Forms

a. DA Form 1397 (Processing and Reprocessing Record for Shipment, Storage, and Issue of Vehicles and Spare Engines).

b. DA forms and records used for equipment maintenance will be only those prescribed by TM 38-750, Army Equipment Record Procedures.

NOTE

Applicable forms, excluding Standard Form 46 (United States Government Motor Vehicles Operator's Identification Card) which is carried by the operator, will be kept in canvas bag mounted on the equipment.

Section II. DESCRIPTION AND DATA

1-4. Description

a. The Henry Spen Model 901765-1 lubricating and servicing unit (fig. 1-1 and 1-2) is a trailer mounted, self contained, gasoline-powered unit equipped for heavy-duty servicing. Compressed air forces lubricant and motor oil from storage tanks through reel-mounted hoses to the unit to be lubricated. Engine oil, lubricant and grease are stored in three steel containers. In freezing temperatures, exhaust gases, ducted into a heat reservoir beneath the containers, warm the lubricants so they flow easily. The air-alcohol dispenser prevents condensation in the air lines from freezing. Each lubricant container has an air powered pump. The air pressure and speed of each pump is controlled by separate air pressure regulator and a pressure gage is attached to each regulator to register the air pressure.

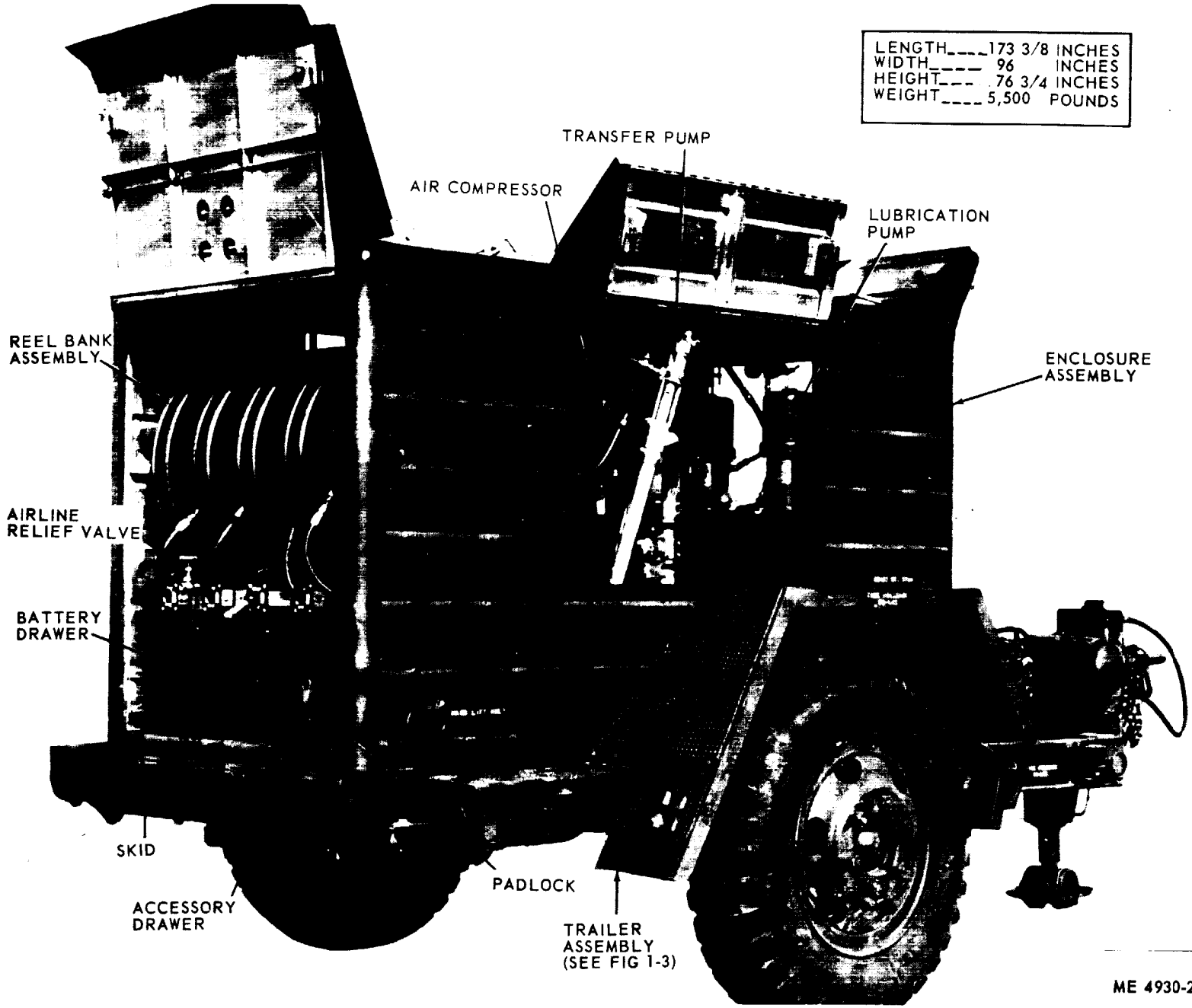

Figure 1-1. Lubricating unit, right rear, ¾ view.

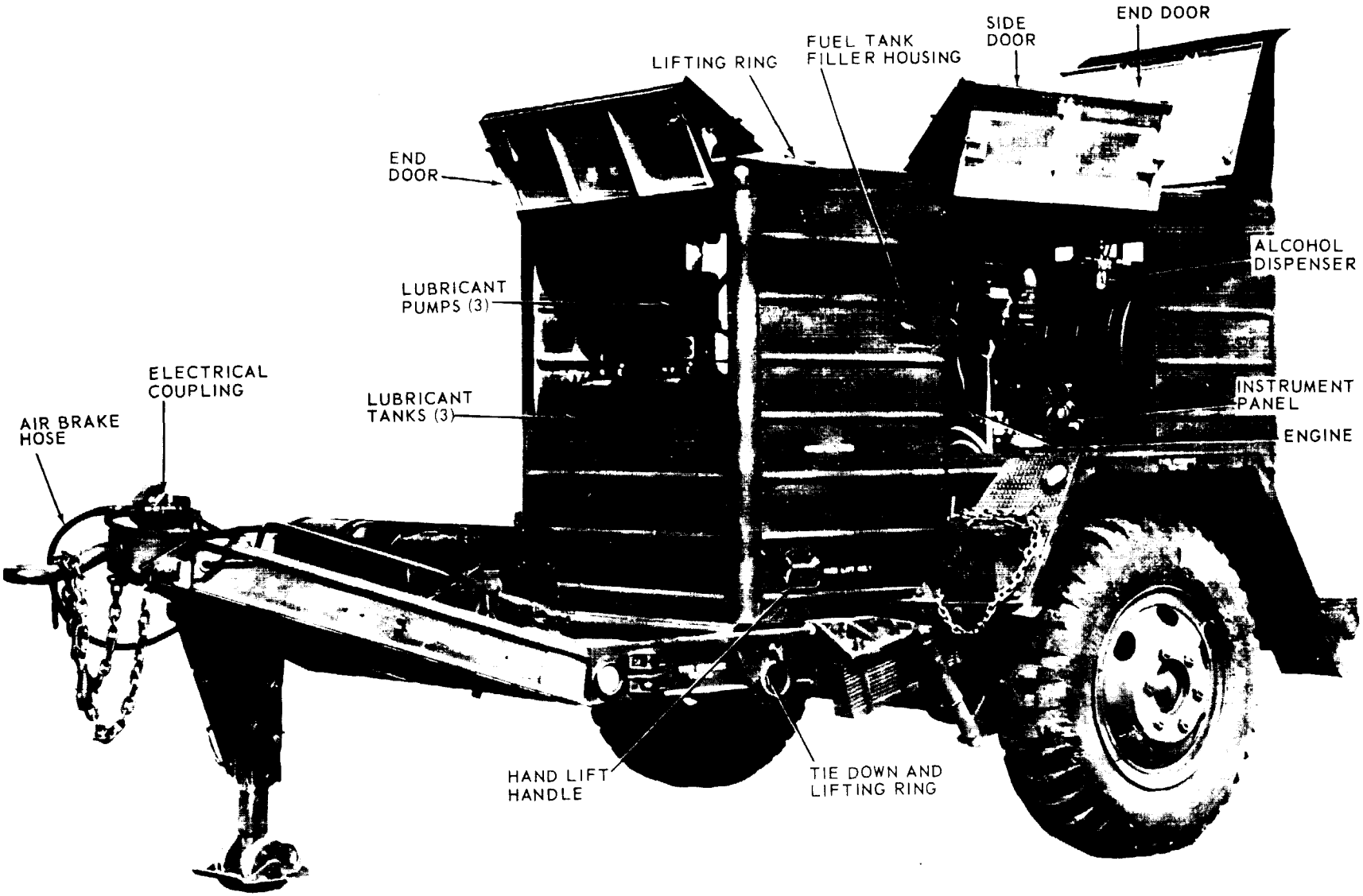

Figure 1-2. Lubricating unit, left front, ¾ view.