

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

TECHNICAL MANUAL

OPERATOR, ORGANIZATIONAL, AND DIRECT SUPPORT

MAINTENANCE MANUAL,

INCLUDING REPAIR PARTS AND SPECIAL TOOLS LISTS

WELDING SHOP, TRAILER MOUNTED

LIBBY MODEL UNASSIGNED

FSN 3431-935-7821

HEADQUARTERS, DEPARTMENT OF THE ARMY

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CHAPTER 1

INTRODUCTION

Section I. GENERAL

1-1. Scope

This manual is for your use in operating and maintaining the welding shop, trailer mounted (Libby Model Unassigned). Chapter 1 provides a complete description of the welding shop. The manual is intended for use by the operator, organizational and direct support maintenance personnel.

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

The direct 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 direct to

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

1-4. Equipment Serviceability Criterial (ESC)

This equipment is not covered by an ESC.

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

Instructions for destruction of material to prevent enemy use will be in accordance with TM 750-244-3 (Procedures for Destruction of Equipment to Prevent Enemy use).

1-6. Administrative Storage

Preparation, care and removal of equipment in administrative storage will be in accordance with the applicable requirements of TM 740-90-1 (Administrative Storage of Equipment.)

Section II. DESCRIPTION AND DATA

1-7. Description

a. General. The welding shop (fig. 1-1 and 1-2) covered by this manual is basically a 300 amp welding machine mounted on a two-wheel trailer chassis. Included in the shop is an inert gas welding gun and control used in welding either ferrous or non-ferrous metals. Also included are the bottles

oxygen and acetylene necessary for oxyacetylene cutting torches. Tools and other equipment needed to perform cutting and welding operations are included and are stored in the shop's tool boxes.

b. Welding Machine. The welding machine is a Libby Model LT0300. For a complete description, refer to TM 5-3431-221-15.

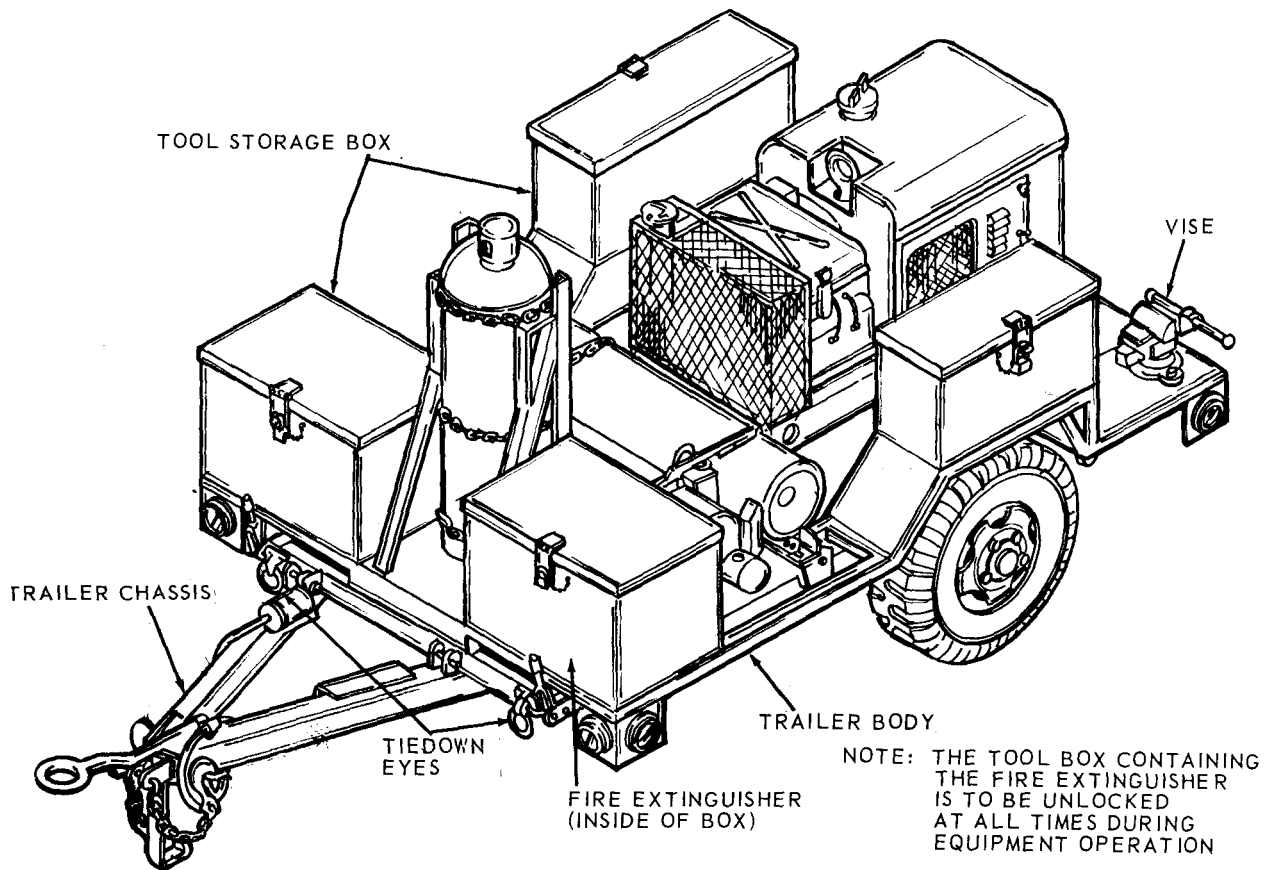


Figure 1-1. Welding shop, trailer mounted, left front.