TM 5-4940-200-12

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

OPERATOR AND ORGANIZATIONAL MAINTENANCE MANUAL

SHOP EQUIPMENT, CONTACT MAINTENANCE, TRUCK MOUNTED, SET NO 3,

(SOUTHWEST MODEL SECM)

SERIAL NO. S-3-628 THROUGH S-3-720 AND (DAVEY MODEL CMU-5) SERIAL NO. 33343 THROUGH 33343-234 FSN 4940-294-9518

HEADQUARTERS, DEPARTMENT OF THE ARMY

TAGO 5672-A-August

AUGUST 1963

TECHNICAL MANUAL
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WASHINGTON, D.C., 21 *August* 1963

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		Paragraph	Page
CHAPTER 1.	INTRODUCTION		
Section I.	General	1, 2	2
II.	Description and data	3-6	2-17
CHAPTER 2.	INSTALLATION AND OPERATION INSTRUCTIONS		
Section I.	Service upon receipt of equipment	7–10	18, 19
II.	Movement to a new worksite	11, 12	19
III.	Controls and instruments	13, 14	19
IV.	Operation of equipment	15-26	26,27
V.	Operation of auxiliary materiel used in conjunction with the shop set	27, 28	39
CHAPTER 3.	OPERATING AND ORGANIZATIONAL MAINTENANCE INSTRUCTIONS		
Section I.	Special tools and equipment	29-31	40
II.	Lubrication	32, 33	40
III.	Preventive maintenance services.	34-36	44
IV.	Operator's maintenance	37-40	52
V.	Troubleshooting	41-52	54, 55
VI.	Radio interference suppression	53-55	55
VII.	Power takeoff and declutcher	56-60	57
VIII.	Governor and governor adapter drive	61-66	65
IX.	Electrical controls	67-72	71–75
x .	Generator-welder	73-80	76–82
XI.	Air compressor	81–85	82-85
XII.	Shop set body	86-114	85-100
XIII.	Fuel tank filler tube, filler tube support, horn bracket, taillight bracket, turn signal lamp assemblies, directional signal control and flasher	115-123	100-102
CHAPTER 4.	DEMOLITION OF MATERIEL TO PREVENT ENEMY USE	124-128	109
5.	SHIPMENT AND LIMITED STORAGE		
Section I.	Shipment within zone of interior..	129, 130	111
II.	Limited storage	131, 132	112
APPENDIX I.	REFERENCES		113
II.	MAINTENANCE ALLOCATION CHART		115
III.	BASIC ISSUE ITEMS LIST AND MAINTENANCE AND OPERATING SUPPLIES.	----	125
INDEX		----	129

*This manual supersedes TM 5-4940-200-12, 18 December 1961.

CHAPTER 1
INTRODUCTION

Section I. GENERAL

1. Scope

a. These instructions are published for the use of the personnel to whom the Southwest Model SECM and Davey Model CMU-5 Shop Equipment is issued. They provide information on the operation and organizational maintenance of the equipment. Also included are descriptions of main units and their functions in relationship to other components.

b. Appendix I contains a list of publications applicable to this manual. Appendix II contains the. maintenance allocation chart. Appendix III contains the basic issue items and maintenance and operating supplies authorized the operator of this equipment. The organizational maintenance repair parts and special tool lists are listed in TM 5-4940-200-20P.

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

d. Report all deficiencies in this manual on DA Form 2028. Submit recommendations for changes, additions, or deletions to the Commanding Officer, U.S. Army Mobility Support Center, ATTN: SMOMS-MM, P.O. Box 119, Columbus, Ohio 43216. Direct communication is authorized.

e. Report all equipment improvement recommendations as prescribed by TM 38–750.

2. Record and Report Forms

a. DA Form 2258 (Depreservation Guide of Engineer Equipment).

b. For other record and report forms applicable to the operator and organizational maintenance, refer to TM 38-750.

Note. Applicable forms, excluding Standard Form 46 which is carried by the operator, will be kept in a canvas bag mounted on the equipment.

Section II. DESCRIPTION AND DATA

3. Description

The Southwest Shop Set Model SECM, serial No. S-3-628 through S-3-720, (figs. 1 and 2) and Davey Shop Set Model CMU-5, serial Nos. 33343 through 33343–234, consists of eight compartments. They are mounted on a modified 4 by 4 truck chassis. The compartments provide storage space for all tools and equipment, powered and nonpowered. The shop set is provided with a generator-welder which furnishes 110, 220-volt, single-phase alternating current, 220-volt, 3-phase alternating current, and 200 amperes, 40-volt direct current for welding, The generator-welder can be driven by the trunk engine through the intergrated power takeoff or by connecting to a 220-volt, 3-phase, external power source. The generator-welder can be used as a source of starting current, as an :determinating current generator, as an are welding machine, and as a battery charger.

4. Contents of Shop Set

a. General. Table I lists in alphabetical sequence, the tools and equipment of the shop set, their location as indicated in figure 3, logistic responsibility, and quantity. Do not add equipment to that listed for this shop set and do not change loading location from that shown in table 1. When the mission is known and additional personnel, parts, or equipment must be transported, remove the comparable weight in parts, equipment, or components that are not required to fulfill the mission. Adjust or locate all additional parts or equipment, when practical, in the same compartment or vicinity from which parts or components were removed.

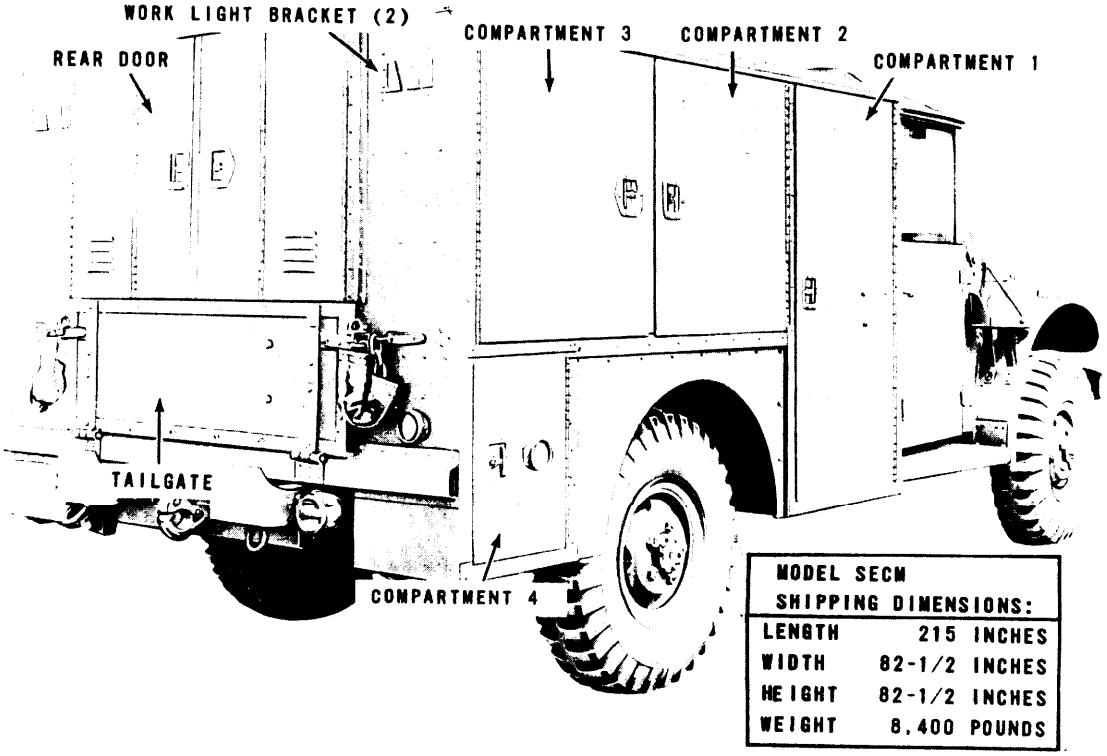

Figure 1. Shop set, right rear, three-quarter view, with shipping dimensions.

Warning: Do not overload shop set with additional personnel, equipment, or parts. Failure to observe this warning will result in an overloaded condition dangerous to personnel and equipment.

b. *Abbreviations.*

(1) Abbreviations used for logistic responsibility are—

ALL.....All services
CML.....Chemical Corps
GE.....General Engineer
MED.....Medical Corps
ORD.....Ordnance Corps
QM.....Quartermaster Corps

(2) Abbreviations used to identify stock or part numbers are--

FSN.....Federal stock number
MPN.....Manufacturer's part number

c. Notes A, B, C, and D, appear in table I where applicable. Definitions of these notes are as follows:

Note A. Initial issue of item is furnished by the Corps of Engineers. Requisitions for replacements must be submitted to the technical service as designated, under appropriate stock number.

Note B. Item is not initially issued with shop set. The indicated quanity must be separately requisitioned from the technical service indicated, under the appropriate stock number.

Note C. This item initially issued only to Sothwest Model CMU-5 Shop Sets.

Note D. This item initially issued only to Davey Model CMU-5 Shop Sets.

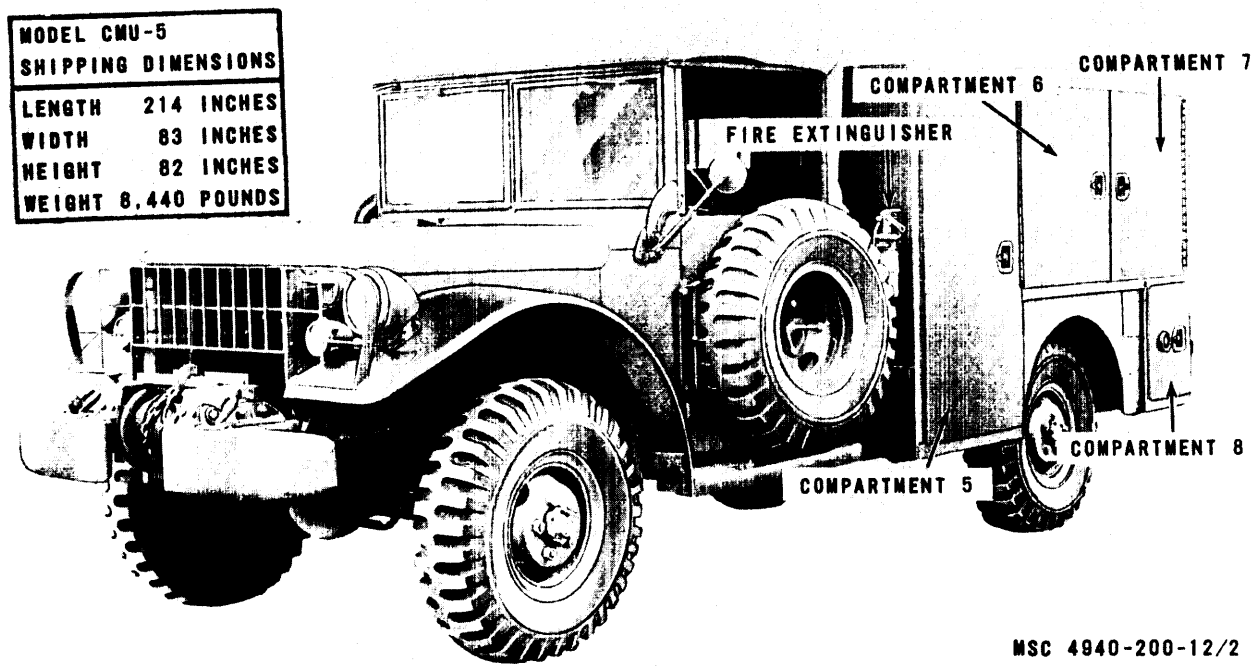

Figure 2. Shop set, left front, three-quarter view, with shipping dimensions.

LOADING DIAGRAM
SHOP EQUIPMENT,CONTACT MAINTENANCE,
TRUCK MOUNTED SET NO.3

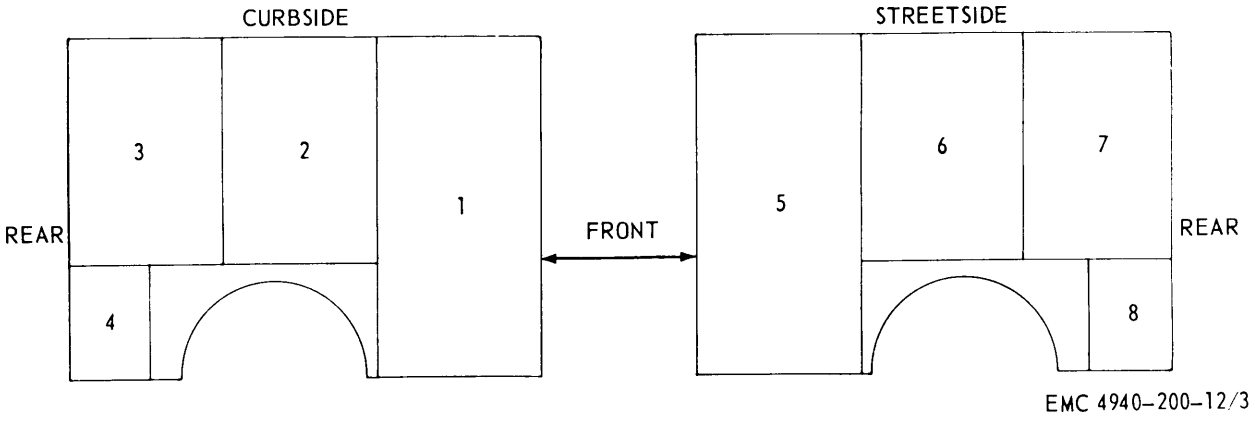

Figure 3. Shop set loading diagram..