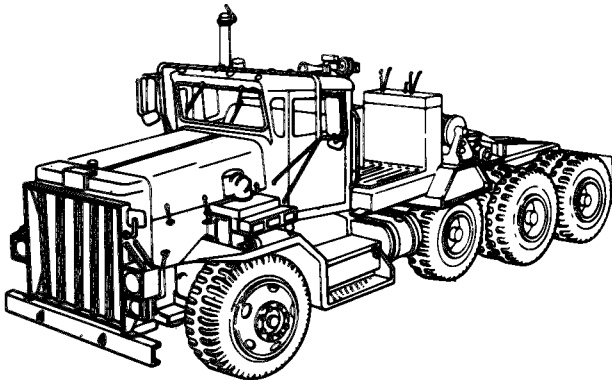


TM 9-2320-270-10

OPERATOR'S MANUAL



**TRUCK TRACTOR, COMMERCIAL HEAVY
EQUIPMENT TRANSPORTER (C-HET),
85,000 GVWR, 8 X 6, M911
(NSN 2320-01-025-3733)**

This copy is a reprint which includes current
pages from Change 1

**HOW TO USE
THIS MANUAL**

iii

**EQUIPMENT
DESCRIPTION**

1-5

**EQUIPMENT
DATA**

1-20

**OPERATING
INSTRUCTIONS**

2-1

**PREVENTIVE
MAINTENANCE
CHECKS AND
SERVICES (PMCS)**

2-29

**LUBRICATION
INSTRUCTIONS**

3-1

**TROUBLE-
SHOOTING
PROCEDURES**

3-1

**MAINTENANCE
PROCEDURES**

3-43

**SUBJECT
INDEX**

Index 1

HEADQUARTERS, DEPARTMENT OF THE ARMY

DECEMBER 1983

TECHNICAL MANUAL }
NO. 8-2320-270-10

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, DC, 2 December 1983

OPERATORS MANUAL
TRUCKTRACTOR, COMMERCIAL HEAVY EQUIPMENT
TRANSPORTER (C-HET) 85,000 GVWR, 8X6, M911
(NSN 2320-01-025-3733)

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help Improve this manual. If you find any mistakes or if you know a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual direct to: Commander, US Army Tank-Automotive Command, ATTN: AMSTA-MB, Warren, MI 46397-5000. A reply will be furnished to you.

TABLE OF CONTENTS

	Page
HOW TO USE THIS MANUAL	iii
CHAPTER 1 INTRODUCTION	1-1
Section I General information	1-1
Section II Equipment Description	1-5
CHAPTER 2 OPERATING INSTRUCTIONS	2-1
Section I Description and Use of Operators Controls and Indicators.	2-1
Section II Preventive Maintenance Checks and Services (PMCS)	2-29
Section III Operation Under Usual Conditions.	2-63
Section IV Operation Under Unusual Conditions	2-111
CHAPTER 3 MAINTENANCE INSTRUCTIONS.	3-1
Section I Lubrication Instructions	3-1
Section II Troubleshooting Procedures	3-1
Section III Maintenance Procedures	3-43

*This manual supersedes TM 9-2320-270-10 dated 20 October 1977.

TABLE OF CONTENTS - CONTINUED

APPENDIX A REFERENCES A-1

APPENDIX B COMPONENTSOF END ITEM AND BASIC
ISSUE ITEMS LISTS B-1

 Section I Introduction B-1

 Section II Componentsof Endltem B-3

 Section III Basic Issue Items B-3

APPENDIX C ADDITIONAL AUTHORIZATION LIST C-1

 Section I Introduction C-1

 Section II Additional Authorization List C-1

APPENDIX D EXPENDABLE SUPPLIESAND MATERIALS LIST D-1

 Section I Introduction D-1

 Section II Expendable Supplies and Materials List D-2

INDEX **Index 1**

HOW TO USE THIS MANUAL

OVERVIEW

This manual is designed to help you operate and maintain the M911 Truck Tractor. Special features of this manual that have been added to help you locate and use the information in it are listed below.

Front cover tabbed index of often needed portions of the manual is included to give quick access to information.

Cautions are underlined and warnings have a line over and under the heading to highlight their importance. Read and follow all warnings and cautions. Example below:

CAUTION

An engine running with low or no oil will cause serious engine damage. Shut it off immediately.

WARNING

Do not permit anyone to stand directly between the M911 Truck Tractor and semi-trailer during the coupling procedure. Failure to follow this warning can result in injury to personnel.

SAMPLE PROBLEM

During operation or PMCS you found that the engine would not crank. Quickly go to cover of manual and find the troubleshooting index tab, or to the table of contents. Turn to troubleshooting and find the symptom index. Look for the problem. The page number next to "Engine fails to crank" will take you to the troubleshooting procedure. Step 2 of "ENGINE FAILS TO CRANK" is "Check IGN START circuit breaker (2)". If out, reset and try to start. You reset the circuit breaker and the engine starts. Continue your mission.

CHAPTER 1

INTRODUCTION

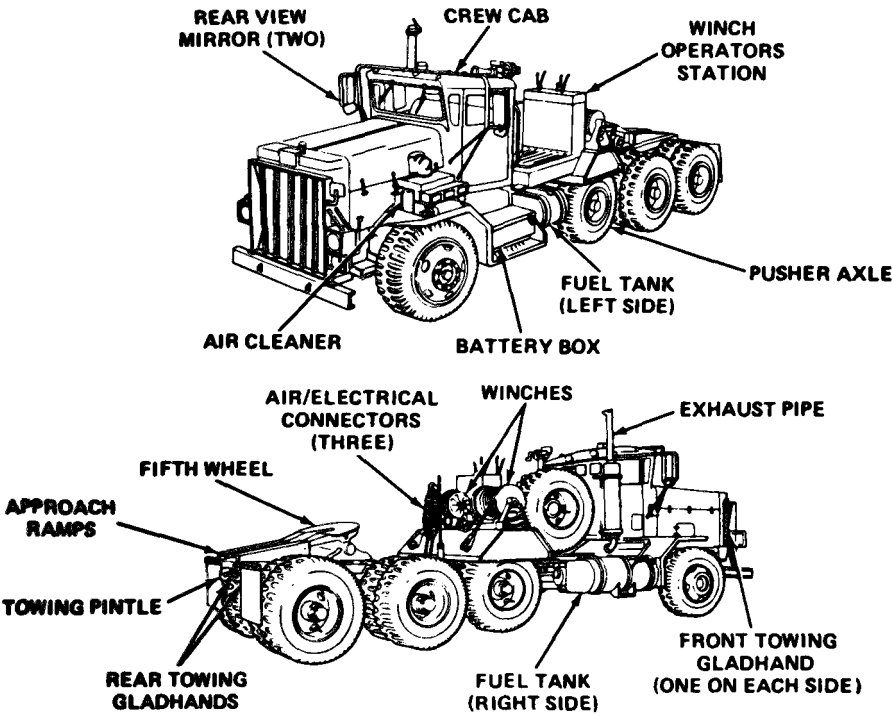
OVERVIEW

The purpose of this chapter is to give you information that you need to know as an operator of the M911 Truck Tractor.

	Page
Section I. GENERAL INFORMATION	1-1
Section II. EQUIPMENT DESCRIPTION	1-5

Section I. GENERAL INFORMATION

The following shows you some of the features and components of the Truck Tractor, Commercial, Heavy Equipment Transporter (C-HET), M911. Throughout this manual it will be referred to as the M911 Truck Tractor.



GENERAL

This section gives you required information on what forms are needed to report any problems, an equipment inventory checklist reference, and a list of abbreviations and terms that are used in this manual.

	Page		Page
Hand Receipt (-HR) Manuals . . .	1-2	Reporting Equipment Improve-	
List of Abbreviations and		ment Recommendations	
Glossary	1-3	(EIR'S)	1-2
Maintenance Forms and		Scope	1-2
Records	1-2	Warranty Information	1-3

SCOPE

This operator's manual is for use in operating and maintaining the M911 Truck Tractor, Commercial Heavy Equipment Transporter. The purpose of the M911 Truck Tractor is to serve as a prime mover for the heavy equipment transporter (t-l ET) semitrailer.

MAINTENANCE FORMS AND RECORDS

Department of the Army forms and procedures used for equipment maintenance will be those prescribed by DA PAM 738-750, The Army Maintenance Management System (TAMMS).

HAND RECEIPT (-HR) MANUALS

This manual has a companion document with a TM number followed by "-HR" (which stands for Hand Receipt). The TM 9-2320-270-10-HR consists of preprinted hand receipts (DA Form 2062) that list end item related equipment (i.e., COEI, BII and AAL) for which you must account. As an aid to property accountability, additional -HR manuals may be requisitioned from: Commander, U.S. Army Publications Center, 2800 Easter Blvd, Baltimore, MD 21220.

REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR's)

If your M911 Truck Tractor needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don't like about your equipment. Let us know why you don't like the design or performance. Put it on an SF 368 (Quality Deficiency Report). Mail it to: Commander, U.S. Army Tank Automotive Command, ATTN: AMSTA-MB Warren, MI 48397-5000. We'll send you a reply.

WARRANTY INFORMATION

Refer to TB 9-2300-295-1 5/15 for the M911 Truck Tractor warranty information and data.

LIST OF ABBREVIATIONS

AAL	Additional Authorization List
BII	Basic Issue Items
°C	degrees Celsius
cm	centimeter
C-HET	Commercial. Heavy Equipment Transporter
COEI	Component of End Item
CTA	Common Table of Allowance
cu ft	cubic feet
DA	Department of the Army
EIR	Equipment Improvement Report
°F	degrees Fahrenheit
FSCM	Federal supply Code for Manufacturers
ft	feet
gal.	gallon
GCWR	Gross Combination Weight Rating
GVWR	Gross Vehicle Weight Rating
HP	Horsepower
hr	hour
in.	inch
JTA	Joint Table of Allowance
kg	kilograms
km	kilometers
km/h	kilometers per hour
kPa	kiloPascals
lb	pound
LPS	lamps
m	meter
Mg	Megagram
mi	mile
MI	Michigan
mm	millimeter
MTOE	Modified Table of Organization and Equipment
oz	ounce
PMCS	pamphlet
PMCS	Preventive Maintenance Checks and Services
p t	pint
qt	quart
rad	radian
rpm	revolutions per minute

LIST OF ABBREVIATIONS – CONTINUED

rqr	require
SB	Supply Bulletin
SF	Standard Form
TDA	Table of Distribution and Allowances
TOE	Table of Organization and Equipment
U/M	Unit of Measure
v	volt

GLOSSARY

Apparatus	Bottle that holds decontamination agent DS2
Ball chuck	End of tire inflation hose that goes on the tire valve stem for adding air
Electrolyte	Battery acid
Fifth wheel	The platform on the M911 Truck Tractor that the semi-trailer rests on, and to which the king pin is coupled
Gladhand	Coupling for connecting air brake hoses
Gooseneck	Curved portion of upper forward end of a semitrailer
Quickstart	Cold weather ether starting aid

Section II. EQUIPMENT DESCRIPTION

GENERAL

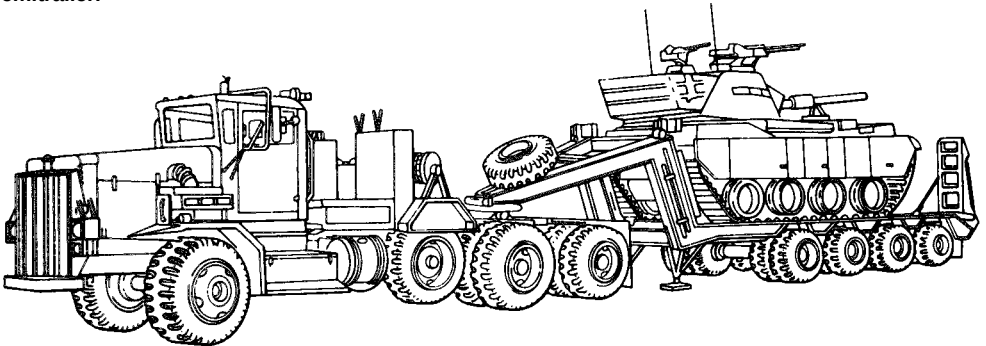
The purpose of this section is to show you what the M911 Truck Tractor is capable of doing during daily equipment operation. In addition, information is provided to show the special features of the M911 Truck Tractor.

	Page		Page
Equipment Characteristics, Capabilities, and Features.	1-5	Location and Description of Major Components	1-10
Equipment Data	1-20		

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES

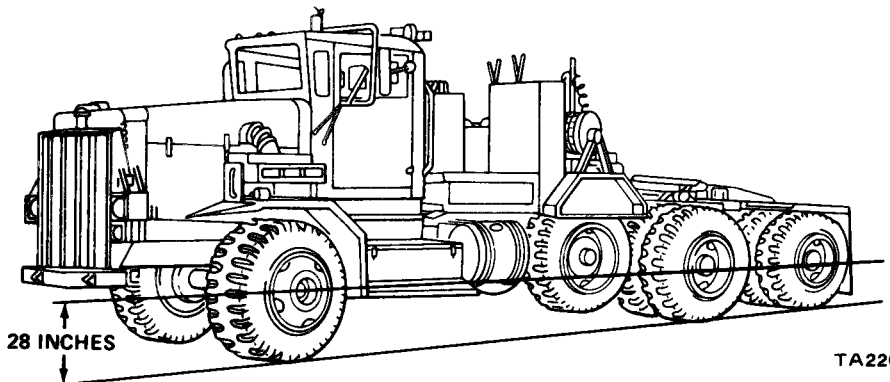
Characteristics

The M911 Truck Tractor is used as a prime mover of a heavy equipment transporter (HET) semitrailer.



Capabilities

The M911 Truck Tractor can ford water a maximum depth of 28 inches (71 cm) without using additional water fording equipment.



TA220765