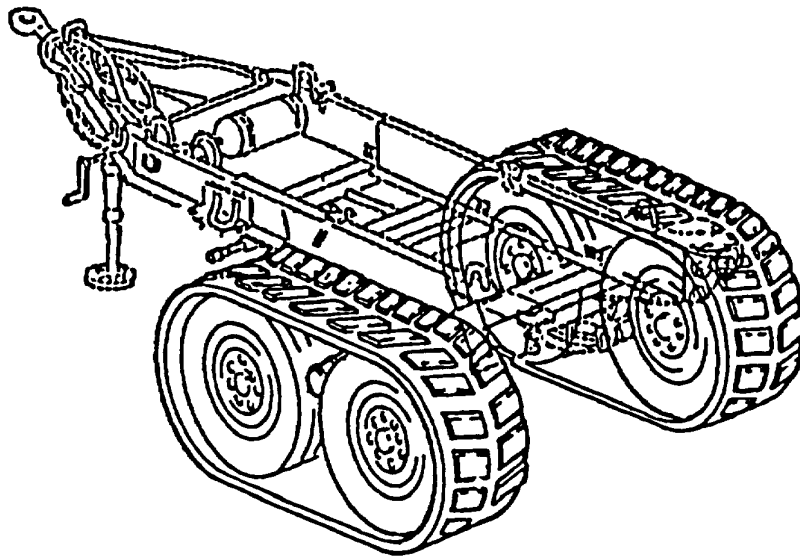


TECHNICAL MANUAL

OPERATOR'S, UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE (INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST)



OPERATING
INSTRUCTIONS
PAGE 2-1

OPERATOR
PMCS
PAGE 2-2

OPERATOR
MAINTENANCE
PAGE 3-1

OPERATOR
TROUBLESHOOTING
PAGE 3-5

UNIT
MAINTENANCE
PAGE 4-1

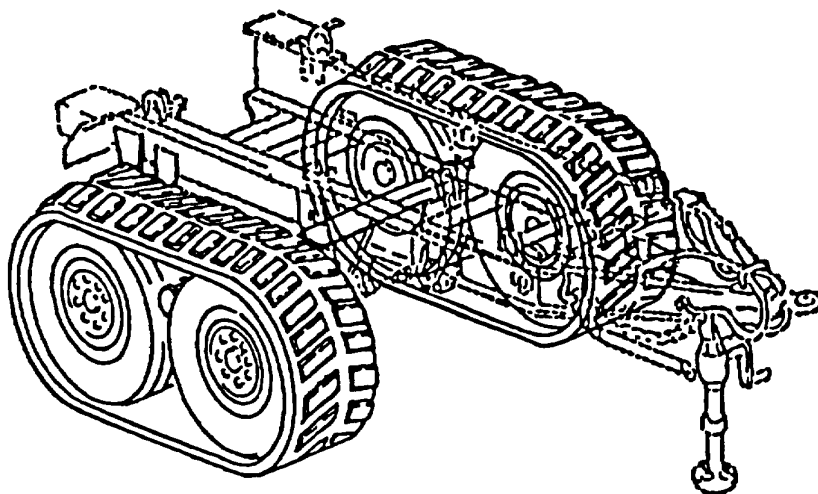
UNIT
PMCS
PAGE 4-3

UNIT
TROUBLESHOOTING
PAGE 4-6

DIRECT SUPPORT AND
GENERAL SUPPORT
MAINTENANCE
PAGE 5-1

MAINTENANCE
ALLOCATION CHART
PAGE B-1

REPAIR PARTS AND
SPECIAL TOOLS LIST
PAGE F-1



TRACKED TRAILER, CARGO
(NSN 2330-01-360-3865)

Approved for public release; distribution is unlimited.
HEADQUARTERS, DEPARTMENT OF THE ARMY

MARCH 1993

TECHNICAL MANUAL

TM 9-2330-389-14&P

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington D.C., 30 March 1993

**OPERATOR'S, UNIT, DIRECT SUPPORT, AND
GENERAL SUPPORT MAINTENANCE MANUAL
(INCLUDING REPAIR PARTS AND
SPECIAL TOOLS LIST)
FOR
TRACKED TRAILER, CARGO
(NSN 2330-01-360-3865)**

Current as of 4 August 92

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of 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, U.S. Army Tank-Automotive Command, ATTN: AMSTA-MB, Warren, MI 48397-5000. A reply will be furnished to you.

TABLE OF CONTENTS

	Page
CHAPTER 1 INTRODUCTION	
Section I. General Information	1-1
Section II. Equipment Description and Data	1-2
CHAPTER 2 OPERATING INSTRUCTIONS	
Section I. Description and Use of Operator's Controls and Indicators	2-1
Section II. Operator/Crew Preventive Maintenance Checks and Services (PMCS)	2-2
Section III. Operation Under Usual Conditions	2-7
Section IV. Operation Under Unusual Conditions	2-8
CHAPTER 3 OPERATOR MAINTENANCE	
Section I. Lubrication Instructions	3-1
Section II. Operator/Crew Troubleshooting Procedures	3-5

Approved for public release; distribution is unlimited.

CHAPTER 4	UNIT MAINTENANCE	Page	Illus. Fig.
Section I.	Repair Parts; Special Tools; Test, Measurement, and Diagnostic Equipment (TMDE); and Support Equipment	4-1	
Section II.	Service Upon Receipt	4-2	
Section III.	Unit Preventive Maintenance Checks and Services (PMCS)	4-3	
Section IV.	Unit Troubleshooting Procedures	4-6	
Section V.	General Maintenance Instructions	4-8	
Section VI.	Axle Maintenance	4-12	
Section VII.	Frame Group Maintenance	4-17	
Section VIII.	Brake System Maintenance	4-21	
Section IX.	Wheel and Track Maintenance.....	4-33	
Section X.	Preparation for Storage or Shipment	4-51	
CHAPTER 5	DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE		
Section I.	Wheel Maintenance	5-1	
Section II.	Installation Instructions	5-3	
APPENDIX A	REFERENCES	A-1	
APPENDIX B	MAINTENANCE ALLOCATION CHART	B-1	
Section I.	Introduction	B-1	
Section II.	Maintenance Allocation Chart	B-4	
Section III.	Tools and Test Equipment Requirements	B-5	
APPENDIX C	COMPONENTS OF END ITEM AND BASIC ISSUE ITEMS LISTS	C-1	
APPENDIX D	ADDITIONAL AUTHORIZATION LIST.....	D-1	
APPENDIX E	EXPENDABLE/DURABLE SUPPLIES AND MATERIALS LIST	E-1	
Section I.	Introduction	E-1	
Section II.	Expendable Supplies and Materials List	E-2	
APPENDIX F	REPAIR PARTS AND SPECIAL TOOLS LIST.....	F-1	
Section I.	Introduction	F-1	
Section II.	Repair Parts List	1-1	
Group 11	Rear Axle		
	1100-Rear Axle Assembly	1-1	
	Cross Axle Group.....	1-1	1
	1108-Walking Beam, Stub Axles, and Parts	2-1	
	Frame Group	2-1	2
Group 12	Brakes		
	1202-Service Brakes	3-1	
	Inner and Outer Brake Groups	3-1	3
	1204-Hydraulic Brake System.....	4-1	
	Brake Lines, Hoses, and Fittings	4-1	4

APPENDIX F REPAIR PARTS AND SPECIAL TOOLS LIST (Con't)		Page	Illus. Fig.
Group 13	Wheels and Tracks		
	1313-Tires, Tubes, and Tire Chains	5-1	
	Undercarriage Group	5-1	5
Group 94	Kits		
	9401-Kits	KITS-1	
Group 95	General Use Standardized Parts		
	9501-Bulk Material	BULK-1	
Section III.	Special Tools List	6-1	
Group 26	Tools and Test Equipment		
	2604-Special Tools	6-1	
	Special Tools	6-1	6
Section IV.	National Stock Number and Part Number Index	I-1	
APPENDIX G ILLUSTRATED LIST OF MANUFACTURED ITEMS		G-1	
Section I.	Introduction	G-1	
Table G-1.	Manufactured Items Part Number Cross-Reference Index	G-1	
APPENDIX H TORQUE LIMITS		H-1	
INDEX		INDEX-1	

CHAPTER 1
INTRODUCTION

Section I. GENERAL INFORMATION

Paragraph Title	Paragraph No.	Page No.
Scope	1-1	1-1
Maintenance Forms, Records, and Reports	1-2	1-1
Destruction of Army Materiel to Prevent Enemy Use	1-3	1-1
Preparation for Storage or Shipment	1-4	1-1
Reporting Equipment Improvement Recommendations (EIRs)	1-5	1-1

1-1. SCOPE.

- a. This manual describes the operation and organizational, direct support, and general support maintenance, including repair parts and special tools lists for the Tracked Suspension as installed on the M200A1 trailer.
- b. Throughout this manual, the terms "right" and "left" are used to describe views of the Tracked Suspension and M200A1 trailer, as viewed from the rear.

1-2. MAINTENANCE FORMS, RECORDS, AND REPORTS.

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).

1-3. DESTRUCTION OF ARMY MATERIEL TO PREVENT ENEMY USE.

For destruction of Army materiel to prevent enemy use, refer to TM 750-244-6.

1-4. PREPARATION FOR STORAGE OR SHIPMENT.

For information on preparing M200A1 trailers with the Tracked Suspension for storage or shipment, refer to Chapter 4, Section X.

1-5. REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIRs).

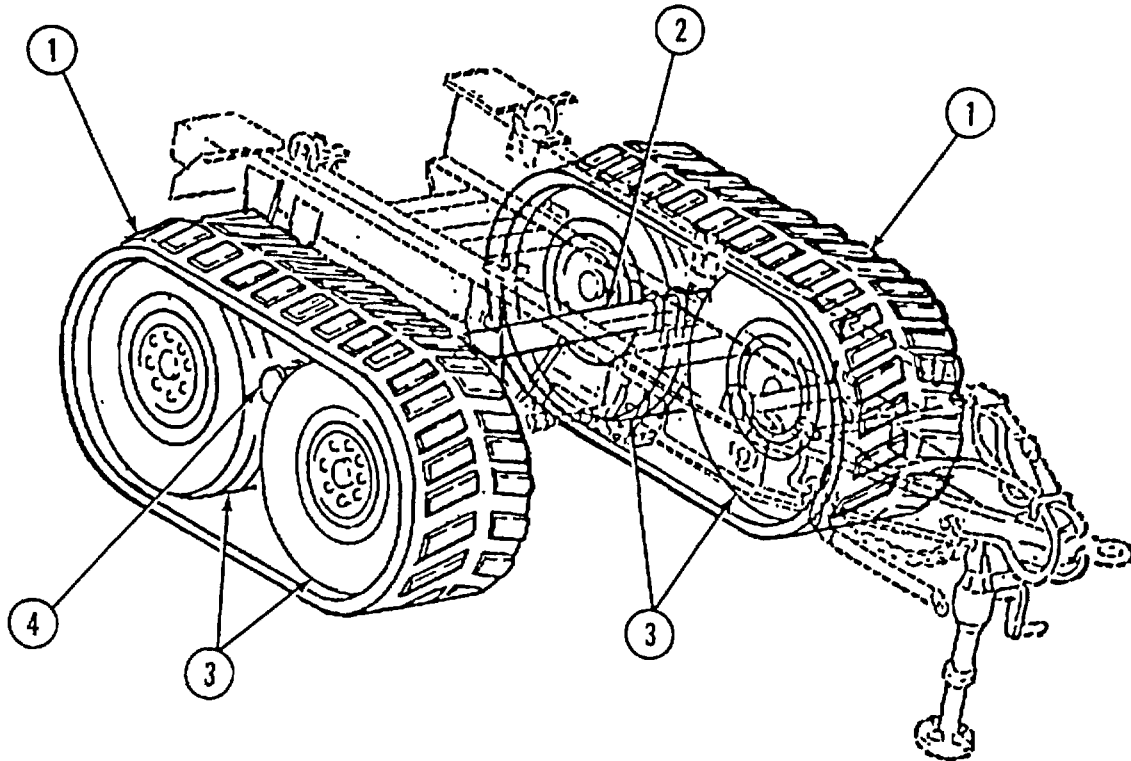
If your Tracked Cargo Trailer needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don't like about your equipment. Let us know why you don't like the design. Put it on an SF 368 (Quality Deficiency Report) Mail it to us at: Commander, U.S. Army Tank-Automotive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

Section II. EQUIPMENT DESCRIPTION AND DATA

Paragraph Title	Paragraph No.	Page No.
Equipment Characteristics, Capabilities, and Features	1-6	1-2
Location and Description of Major Components	1-7	1-2
Data Plates	1-8	1-3
Equipment Data	1-9	1-4

1-6. EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES.

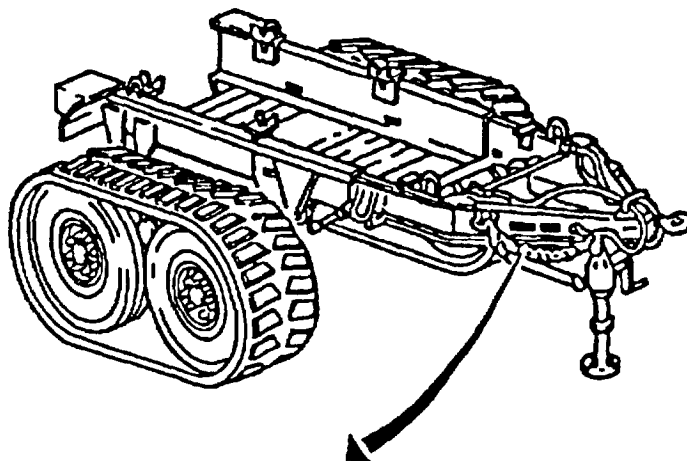
- a. The tracked suspension is designed to improve the trafficability and mobility of the standard M200A1 Chassis Trailer over soft soil, such as sand, mud, and snow-covered terrain.
- b. The M200A1 trailers with the tracked suspension are designed to be towed by an M1 13 Armored Personnel Carrier or equivalent. Maximum allowable speed is 50 mph (80 kph) highway and 15 mph (24 kph) cross-country.
- c. The Tracked Cargo Trailer is equipped with:
 - (1) Two steel-reinforced molded rubber track belts.
 - (2) Two adjustable frame groups to provide track-belt tension and alignment.

1-7. LOCATION AND DESCRIPTION OF MAJOR COMPONENTS.

Key	Component	Description
1	Track Belt	One piece steel-reinforced molded rubber construction.
2	Cross Axle	Supports the trailer load and mounting for the left and right frame group.
3	Wheels	Provides support and motion for the trailer.
4	Frame Group	Consists of a front and rear frame assembly which provides mounting for wheel and tension to track belt.

1-8. DATA PLATES.

There are two data plates on the front right frame. They provide identification, registration, dimension, and weight information.



THIS M200A1 TRAILER HAS BEEN SPECIALLY MODIFIED IN ACCORDANCE WITH MWO 9-2330-389-55, BY TOBYHANNA ARMY DEPOT FOR USE WITH THE MICLIC SYSTEM, USING A TRACK SUSPENSION SYSTEM, AS FOLLOWS:	
NSN: 2330-01-380-3865 NOUN: TRACKED TRAILER, CARGO LIN: 290792 TM: 9-2330-389-14 & P TACOM MANAGED	
DATE:	SERIAL NUMBER.