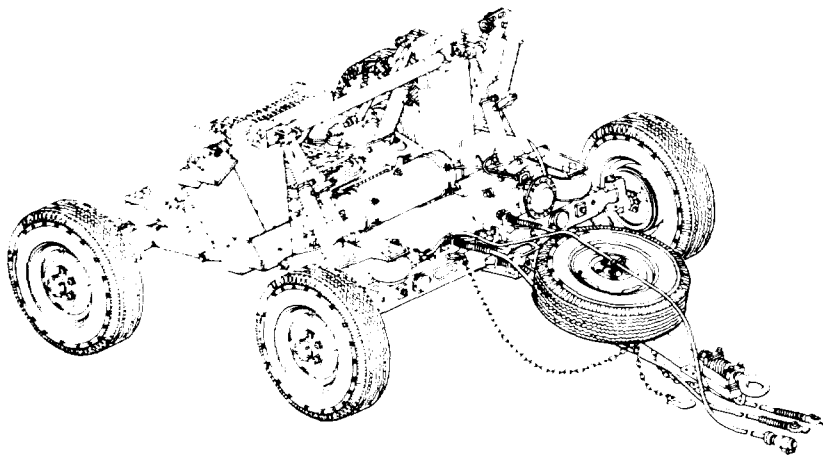


**OPERATOR, ORGANIZATIONAL, DIRECT SUPPORT,
AND GENERAL SUPPORT MAINTENANCE MANUAL
(INCLUDING REPAIR PARTS AND SPECIAL TOOLS LISTS)**

**DOLLY SET, LIFT, TRANSPORTABLE
SHELTER, 3-TON M720 (NSN 2330-00-912-4251)**



**HEADQUARTERS, DEPARTMENTS OF THE
ARMY AND THE AIR FORCE**

**OPERATING
INSTRUCTIONS
PAGE 2-1**

**OPERATOR
PMCS
PAGE 2-9**

**OPERATOR
TROUBLESHOOTING
PAGE 3-1**

**OPERATOR
MAINTENANCE
PAGE 3-4**

**ORGANIZATIONAL
MAINTENANCE
PAGE 4-1**

**ORGANIZATIONAL
PMCS
PAGE 4-8**

**ORGANIZATIONAL
TROUBLESHOOTING
PAGE 4-12**

**DIRECT SUPPORT
MAINTENANCE
PAGE 5-1**

**MAINTENANCE
ALLOCATION
CHART
PAGE B-1**

**REPAIR PARTS
AND SPECIAL
TOOLS LIST
PAGE F-1**

APRIL 1984

TECHNICAL MANUAL
NO. 9-2330-285-1 4&P
TECHNICAL ORDER
NO. 36A11-21-10-1

HEADQUARTERS
DEPARTMENTS OF THE ARMY
AND THE AIR FORCE
Washington, DC, 24 April 1984

**OPERATOR, ORGANIZATIONAL,
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MAINTENANCE MANUAL
(INCLUDING REPAIR PARTS AND SPECIAL TOOLS LISTS)**

DOLLY SET, LIFT, TRANSPORTABLE SHELTER, 3-TON M720 (2330-00-912-4251)

Current as of 1 Sep 83

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this publication. 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 publication direct to: US Army Tank-Automotive Command, ATTN: DRSTA-MBP Warren, MI 48090. A reply will be furnished to you.

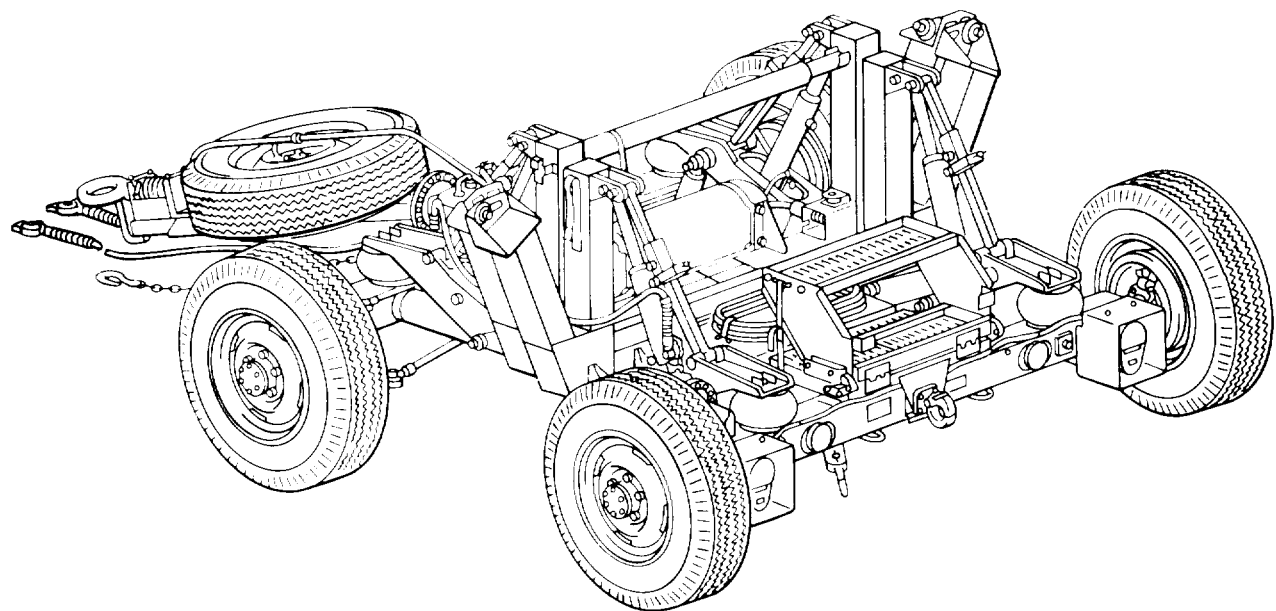
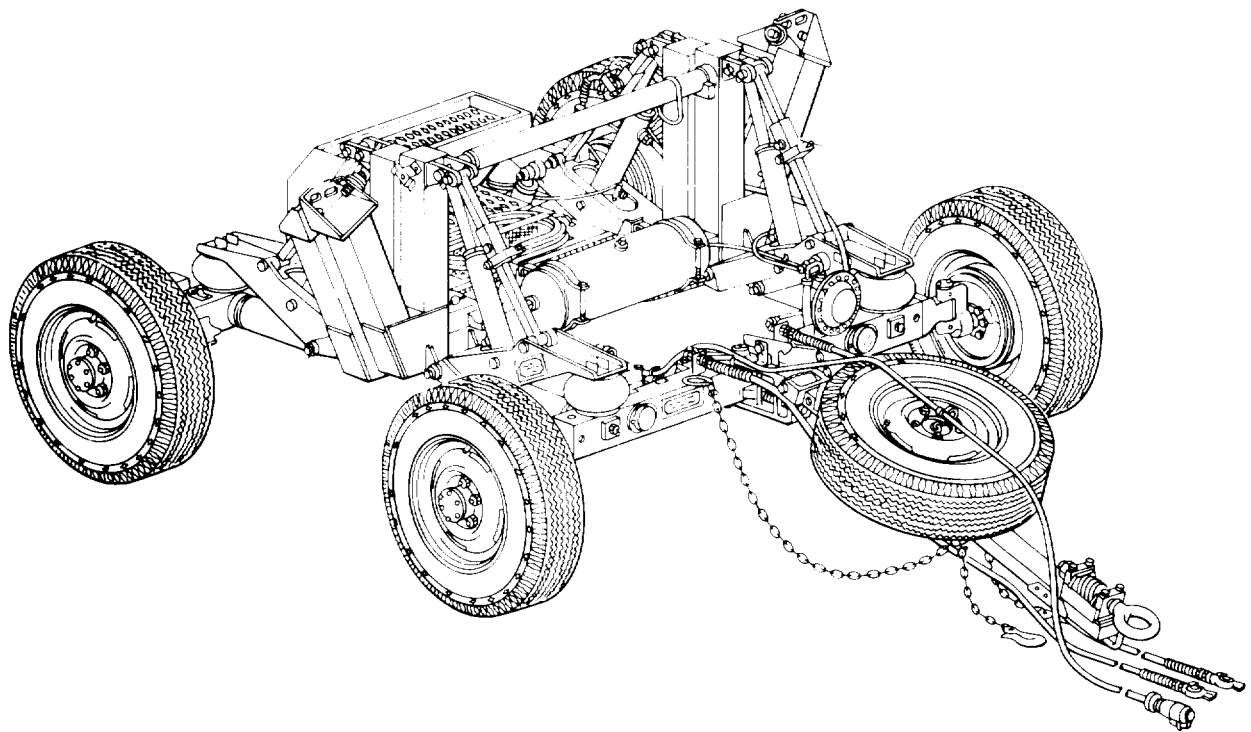
	Page
CHAPTER 1 INTRODUCTION	1-1
Section I General Information	1-1
Section II Equipment Description and Data... ..	1-3
Section III Principles of Operation	1-11
CHAPTER 2 <u>Operating INSTRUCTIONS].....</u>	2-1
Section I Description and Use of Operator's Controls	2-1
Section II <u>Operator/Crew Preventive Maintenance Checks</u> <u>and Services (PMCS)</u>	2-9
Section III Operation Under Usual Conditions	2-16
Section IV Operation Under Unusual Conditions	2-36
CHAPTER 3 OPERATOR MAINTENANCE	3-1
Section I Lubrication Instructions	3-1
Section II <u>Operator Troubleshooting Procedures</u>	3-1
Section III <u>Operator Maintenance Procedures]</u>	3-4

* This manual supersedes TM 9-2330-285-14&P/TO 36A11-21-10-1 dated 15 May 1974 and all changes.

		Page
CHAPTER 4	<u>ORGANIZATIONAL MAINTENANCE.</u>	4-1
Section I	Lubrication Instructions	4-2
Section II	Repair Parts; Special Tools; Test, Measurement and Diagnostic Equipment (TMDE); and Support Equipment.	4-6
Section III	<u>Service Upon Receipt</u>	4-6
Section IV	<u>Organizational Preventive Maintenance Checks and Services (PMCS)</u>	4-8
Section V	<u>Organizational Troubleshooting Procedures</u>	4-12
Section VI	Cleaning and Inspection instructions	4-22
Section VII	Electrical System Maintenance	4-24
Section VIII	Axle Maintenance	4-66
Section IX	Brake System Maintenance.. . . .	4-90
Section X	Hub and Brake Drum Maintenance	4-132
Section XI	Frame and Towing Attachment Maintenance	4-138
Section XII	Suspension System Maintenance	4-150
Section XIII	Accessory Item Maintenance	4-154
Section XIV	Hydraulic System Maintenance	4-163
CHAPTER 5	<u>DIRECT AND GENERAL SUPPORT MAINTENANCE INSTRUCTIONS</u>	5-1
Section I	Repair Parts; Special Tools; TMDE; and Support Equipment	5-1
Section II	Front Axle Maintenance	5-2
Section III	Brake System Maintenance.. . . .	5-6
Section IV	Hub and Brake Drum Maintenance	5-8
Section V	Hydraulic Lift System Maintenance	5-10
APPENDIX A	REFERENCES	A-1
APPENDIX B	<u>MAINTENANCE ALLOCATION CHART</u>	B-1
Section I	Introduction	B-1
Section II	Maintenance Allocation Chart (MAC)	B-3
APPENDIX C	COMPONENTS OF END ITEM AND BASIC ISSUE ITEMS LIST	C-1
Section I	Introduction	C-1
Section II	Components of End Item	C-2
Section III	Basic Issue Items	C-2
APPENDIX D	ADDITIONAL AUTHORIZATION LIST	D-1
Section I	Introduction	D-1
Section II	Additional Authorization List.	D-1
APPENDIX E	EXPENDABLE SUPPLIES AND MATERIALS LIST	E-1
Section I	Introduction	E-1
Section II	Expendable Supplies and Materials List	E-1

	Page	Illus Fig.
APPENDIX F	REPAIR PARTS AND SPECIAL TOOLS LIST	F-1
Section I	Introduction	F-1
Section II	Repair Parts List	F-7
Group 06	Electrical System	
	0609 Taillight and Stoplight (Early Model)	F-7 1
	0609 Blackout Stoplight Assembly (Early Model).	F-11 2
	0609 Composite Marker Light (Late Model)	F-13 3
	0613 Intervehicular Cable Harness and Junction Box (Early Model)	F-15 4
	0613 Junction Box (Late Model)	F-19 5
	0613 Interdolly Cable Assembly.. . . .	F-21 6
	0613 Wiring Harness, Rear Trailer Dolly (Early Model)	F-23 7
	0613 Wiring Harness, Rear Trailer Dolly (Late Model)	F-25 8
Group 10	Front Axle	
	1000 Front Axle Assembly.	F-27 9
	1004 Knuckle Assembly	F-29 10
Group 11	Rear Axle	
	1100 Rear Axle Assembly.. . . .	F-31 11
	1100 Rear Spindles	F-33 12
	1101 Rear Axle Beam	F-35 13
Group 12	Brakes	
	1201 Handbrake	F-37 14
	1202 Service Brake Assembly	F-39 15
	1204 Hydraulic Master Cylinder and Wheel Cylinder	F-43 16
	1204 Master Cylinder Lines and Fittings	F-45 17
	1208 Air Chamber Assembly and Emergency Relief Valve	F-47 18
	1208 Air Tank Lines and Fittings	F-49 19
	1208 Air Tank	F-51 20
Group 13	Wheels	
	1311 Wheel and Subassembly	F-53 21
	1313 Tires and Tubes	F-55 22
Group 14	Steering	
	1401 Steering Arm and Tie Rod Assembly	F-57 23
Group 15	Frame, Towing Attachments	
	1501 Strut and Rocker Arm Assembly	F-59 24
	1503 Towbar Assembly and Pintle	F-63 25
Group 16	Springs and Shock Absorbers	
	1601 Spring Assembly	F-67 26
	1604 Shock Absorbers	F-69 27
	1605 Radius Tube	F-71 28
Group 22	Body Chassis Accessory Items	
	2202 Accessory items	F-73 29
	2210 Data Plates	F-77 30
	2210 Data Plates	F-79 31
	2210 Data Plates	F-81 32

		Page	Illus Fig.
Group 24	Hydraulic and Fluid Systems		
	2401 Hydraulic Pump Assembly	F-83	33
	2406 Hydraulic Lines and Fittings.	F-87	34
	2407 Hydraulic Cylinder.....	F-89	35
Group 95	General Use Standardized Parts		
	9501 Bulk Material	F-91	BULK
Section III	Special Tools List (Nonapplicable)		
Section IV	National Stock Number and Part Number Index	F-93	
APPENDIX G	ILLUSTRATED LIST OF MANUFACTURED ITEMS	G-1	
Section I	Introduction	G-1	
Section II	Part Number Index	G-1	
APPENDIX H	TORQUE LIMITS	H-1	
INDEX		INDEX-1	



CHAPTER 1

INTRODUCTION

OVERVIEW

The purpose of this chapter is to give you information on the 3-ton, transportable shelter dolly set size, shape, features, major equipment, and how it works.

	Page
Section I General Information	1-1
Section II Equipment Description and Data.	1-3
Section III Principles of Operation	1-11

Section I GENERAL INFORMATION

	Page
Destruction of Army Materiel to Prevent Enemy Use	1-1
Maintenance Forms and Records.	1-1
Preparation for Storage or Shipment	1-1
Reference Information	1-2
Reporting Equipment Improvement Recommendations (EIR)	1-2
Scope	1-1

SCOPE

Type of Manual: Operator's, Organizational, Direct, and General Support Maintenance Manual (Including Repair Parts and Special Tools Lists).

Equipment Name: Dolly Set, Lift, Transportable Shelter, 3-Ton, M720; Composed of: Dolly, Front (M721) and Dolly, Rear (M722).

Purpose of Equipment: The dolly set is used to move a transportable shelter.

MAINTENANCE FORMS AND RECORDS

Department of the Army forms and procedures used for equipment maintenance will be those prescribed by TM 38-750, The Army Maintenance Management System (TAMMS).

DESTRUCTION OF ARMY MATERIEL TO PREVENT ENEMY USE

Refer to TM 750-244-8, Procedures for Destruction of Tank-Automotive Equipment to Prevent Enemy Use (US Army Tank-Automotive Command).

PREPARATION FOR STORAGE OR SHIPMENT

There are no special storage or shipping procedures.

REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR)

If your dolly set 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 US Army Tank-Automotive Command ATTN: DRSTA-MP, Warren, MI 48090. We will send you a reply.

REFERENCE INFORMATION

This listing includes nomenclature cross-references, abbreviations and an explanation of terms (glossary) used in this manual.

NOMENCLATURE CROSS-REFERENCE LIST

Common Name	Official Nomenclature
Dolly set Towing vehicle	Transportable Shelter Lift, Dolly Set Prime Mover

LIST OF ABBREVIATIONS

cm	Centimeter
kg	Kilogram
kPa	Kilopascal

GLOSSARY

Angle of departure	Maximum angle of incline from which a vehicle can move onto a horizontal plane without interference (for instance, from the rear frame).
Couple	To link together.
Gladhand	Air pressure hose disconnect coupling. To couple, link two ends together at right angles and with a rotating, sliding motion, bring hoses in line with one another.

Section II EQUIPMENT DESCRIPTION AND DATA

	Page		Page
Equipment Characteristics, Capabilities, and Features	1-3	Location and Description of Data Plates	1-8
Equipment Data	1-9	Location and Description of Major Components	1-5

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES

Characteristics

The dolly set consists of one front dolly for attaching to the shelter front and one rear dolly for attaching to the shelter rear.

The earlier model dolly sets can operate from either a 12- or 24-volt military electrical system power supply. Later models can operate only on 24-volts.

The rear dolly has a non-quick release towing pintle assembly.

The dolly set can raise and lower the transportable shelter by means of a hand-operated hydraulic pump and two hydraulic lift cylinders on each dolly.

The rear dolly has a toolbox containing two leveling jack pump handles, one wheel nut wrench and one envelope containing the dolly set technical manual. Coiled and secured to the top of the toolbox is the interdolly harness assembly.

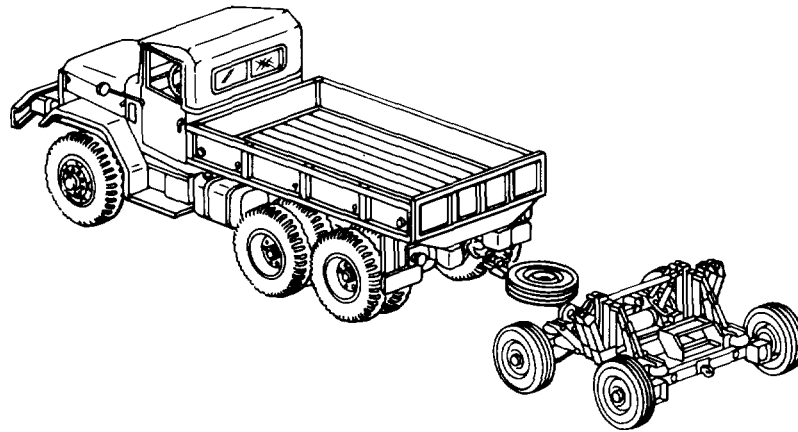
Capabilities and Features

Towing speed limitations are as follows:

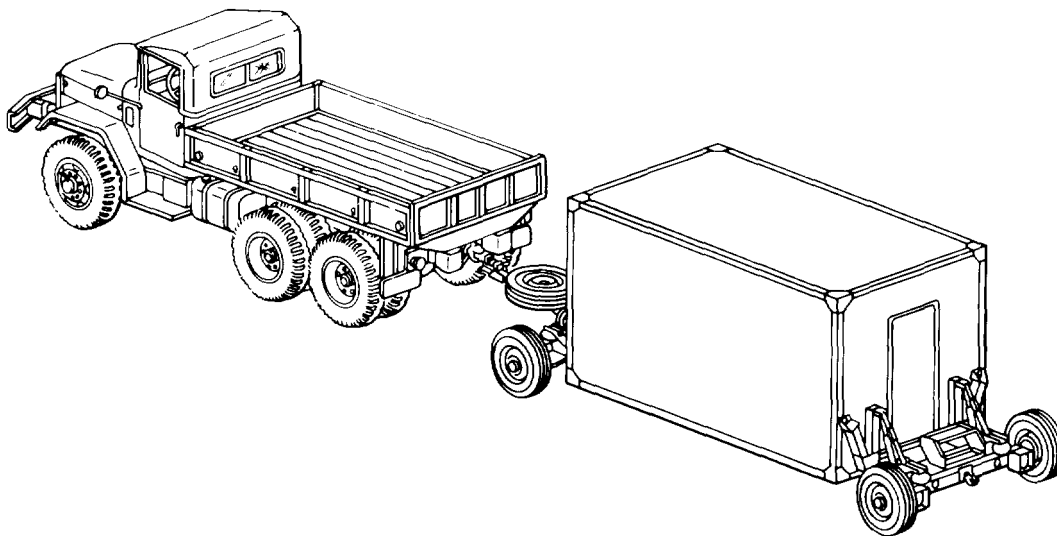
Highway: 50 mph

Cross-country: 15 mph

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES - CONTINUED



The M720 dolly set can be transported or stored while coupled together.



The M720 dolly set can be used to move a transportable shelter.