TECHNICAL MANUAL

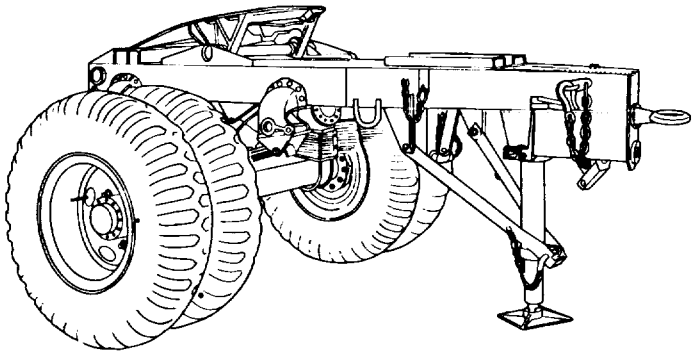
OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE MANUAL (INCLUDING REPAIR PARTS AND SPECIAL TOOLS LISTS)

FOR

DOLLY, TRAILER CONVERTER: 6-TON, 2-WHEEL
M197 (NSN 2330-00-835-8615)
M197A1 (NSN 2330-00-569-0782)

AND

DOLLY, TRAILER CONVERTER: 8-TON, 2-WHEEL
M198 (NSN 2330-00-287-5203)
M198A1 (NSN 2330-00-563-7248)



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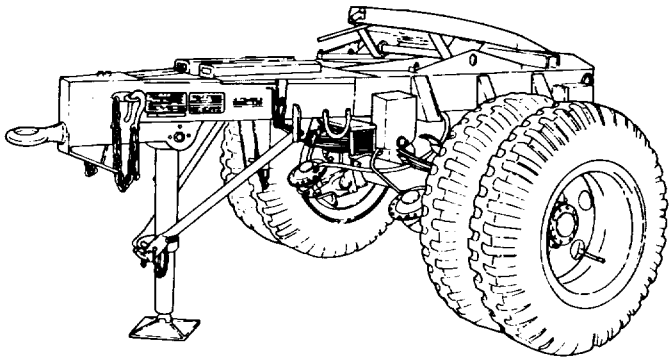

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This manual supersedes TM 9-2330-203-14, dated 8 June 1973, and all changes.
Approved for public release; distribution is unlimited.

HEADQUARTERS, DEPARTMENT OF THE ARMY JANUARY 1992

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CHAPTER 1

INTRODUCTION

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1-1. SCOPE.

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

b. **Equipment Names and Model Numbers.** Dolly, Trailer Converter: 6-Ton, 2-Wheel, M197 and M197A1; Dolly, Trailer Converter: 8-Ton, 2-Wheel, M198 and M198A1.

c. **Purpose of Equipment**. Converts semitrailers to full trailers so that semitrailers can be towed by vehicles without a fifth wheel.

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 information on 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 the trailer converter dollies for storage or shipment, refer to Chapter4, Section XIII.

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

If your trailer converter dolly 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 *(Product Quality Deficiency Report).* Mail it to us at: Commander, U.S. Army Tank-Automotive Command, ATTN: AMSTA-MP, Warren, MI 48397-5000. We'll send you a reply.

Section II. EQUIPMENT DESCRIPTION AND DATA

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Location and Description of Major Components	1-3

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

a. The trailer converter dollies allow vehicles with towing pintles to tow semitrailers,

b. Up to 12, 000 lb (5448kg) can towed using the M197 and M197A1 dollies. Up to 16, 000 lb (7264kg) can be towed using the M198 and M198A1 dollies.

c. Maximum towing speeds are 30 mi/h (48 km/h) highway and 20 mi/h (32 km/h) cross-country.

d. Major features of the dollies include:

(1) Intervehicular airbrake hoses receive air from towing vehicle for use by dolly and semitrailer brake system.

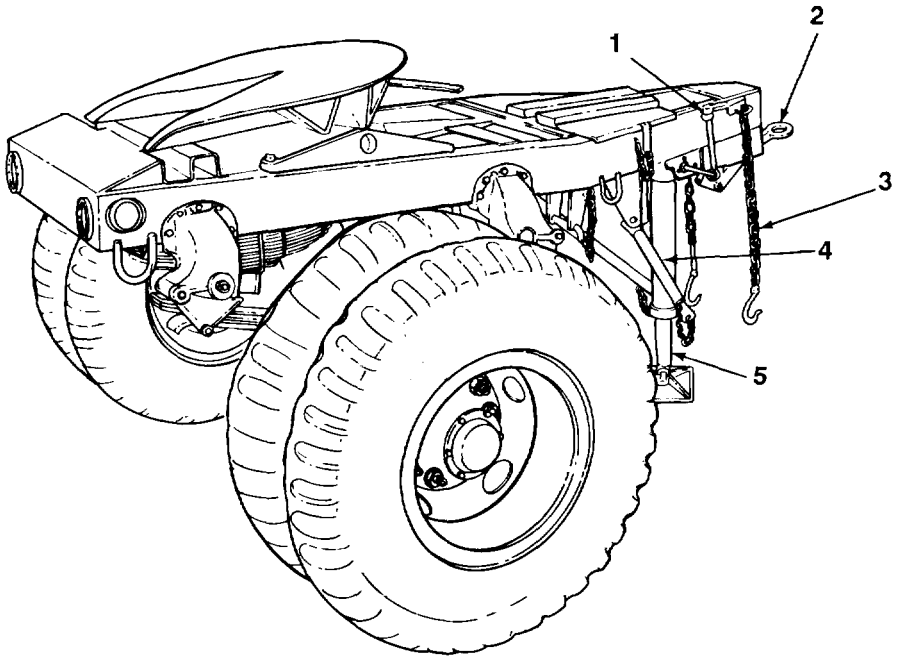
(2) Intervehicular electrical cables receive 12- or 24-volt direct current to power semitrailer lights.

(3) Landing leg supports dolly when not coupled to towing vehicle.

(4) M198 and M198A1 have a two-position lunette.

(5) Military pneumatic tires with nondirectional cross-country tread design.

1-7. LOCATION AND DESCRIPTION OF MAJOR COMPONENTS.



Key	Component	Description
1	Retaining Strap	Locks handcrank when not in use. Handcrank must always be locked in retaining strap when not being used.
2	Lunette	Connects to pintle on towing vehicle. M197 and M197A1 lunette has one position; M198 and M198A1 lunette has two positions.
3	Safety Chains	Connect to towing vehicle. Ensure that semitrailer will not separate from towing vehicle if pintle or lunette fails.
4	Leg Brace	Supports landing leg in vertical position. When not in use, leg brace is raised and secured to dolly frame with lockpin and safety clip.
5	Landing Leg	Supports dolly when uncoupled. When not in use, landing leg is secured with lockpin and safety clip underneath dolly frame.

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