

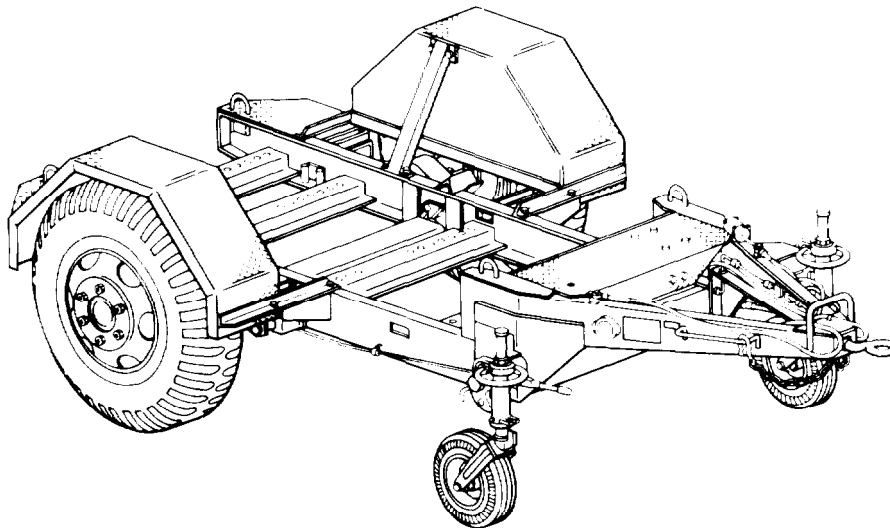
TM 9-2330 -247-14&P

TECHNICAL MANUAL

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

FOR

**CHASSIS, TRAILER: GENERAL PURPOSE,
3-1/2 TON, 2-WHEEL, M353
(NSN 2330-00-542-2831)**



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This manual supersedes TM 9-2330-247-14&P, dated 4 December 1984, and all changes.

Approved for public release; distribution is unlimited.

HEADQUARTERS, DEPARTMENT OF THE ARMY MARCH 1992

TECHNICAL MANUAL

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HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington D. C., 23 March 1992

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**CHASSIS, TRAILER: GENERAL PURPOSE,
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Current as of 15 October 1991

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 Form), 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.

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CHAPTER 1

INTRODUCTION

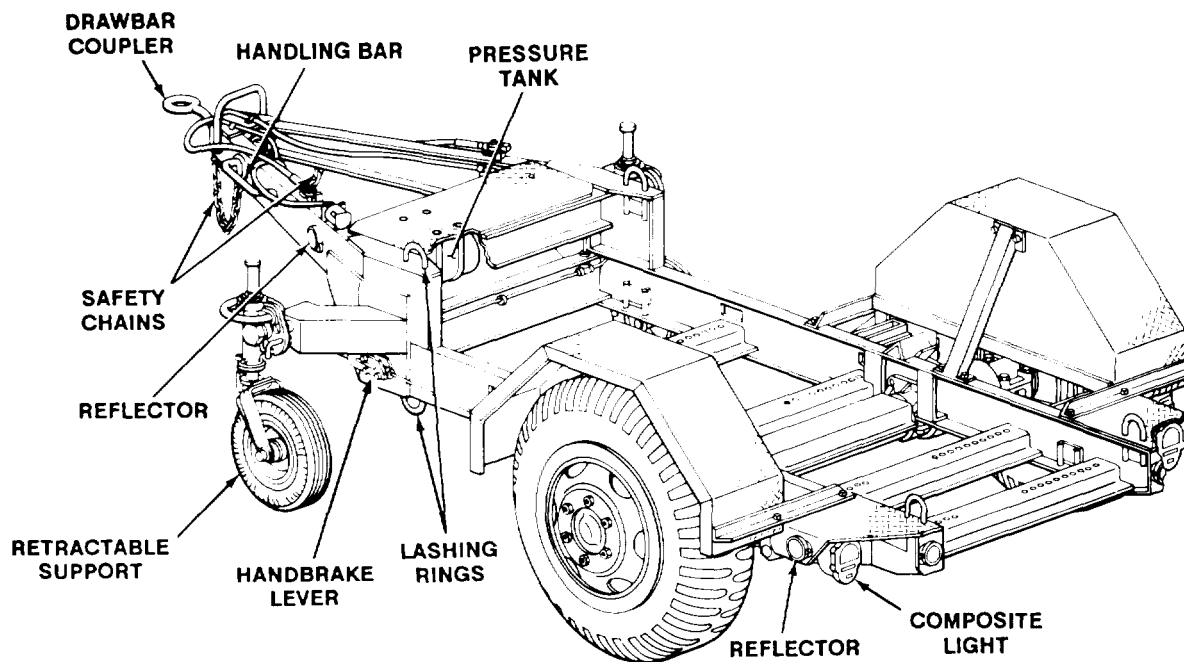
1-1. OVERVIEW

The purpose of this chapter is to acquaint you with the M353 Chassis Trailer's equipment, size, shape, and how the trailer systems work.

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Section I. GENERAL INFORMATION

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TA701021

1-2. SCOPE

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

Model Number and Equipment Name. M353, 3½ Ton General Purpose Chassis Trailer.

Purpose of Equipment, Used with optional bodies for general purpose applications on and off highway.

1-3. 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).

1-4. DESTRUCTION OF ARMY MATERIEL TO PREVENT ENEMY USE

Refer to TM 750-244-6, Procedures for Destruction of Tank-Automotive Equipment to Prevent Enemy Use.

1-5. PREPARATION FOR STORAGE OR SHIPMENT

For information on preparing the trailer for storage or shipment, refer to Chapter 4, Section XIV

1-6. REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIRs)

If your 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 or performance. Put it on an SF Form 368 (Product Quality Deficiency Report). Mail it to: 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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1-7. EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES

Characteristics.

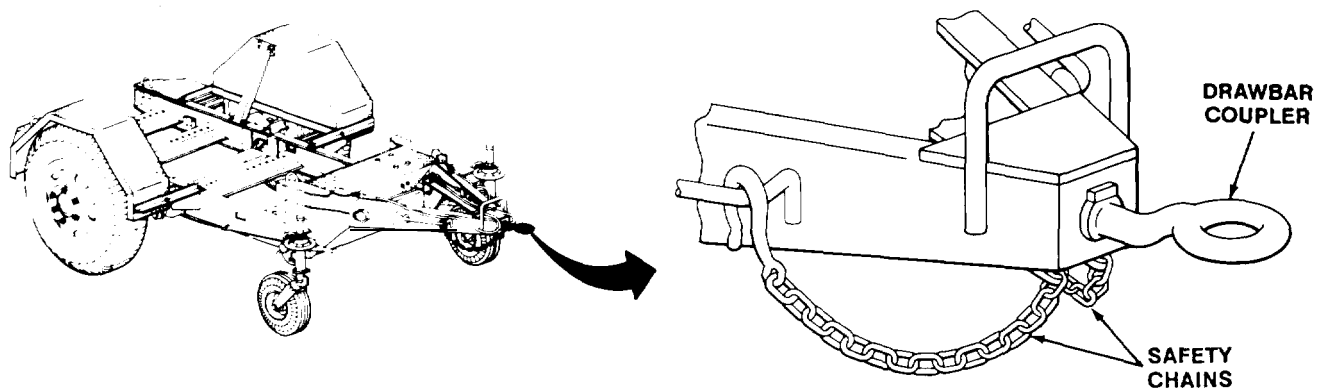
- The M353 Chassis Trailer is designed to be pulled by any truck or truck tractor equipped with a pintle hook, intervehicular air hoses, and electrical connector.
- The trailer has two main wheels and two wheels mounted on retractable supports for parking
- The trailer is equipped with an air over hydraulic service brake system and a mechanical handbrake system for parking.

Capabilities and Features.

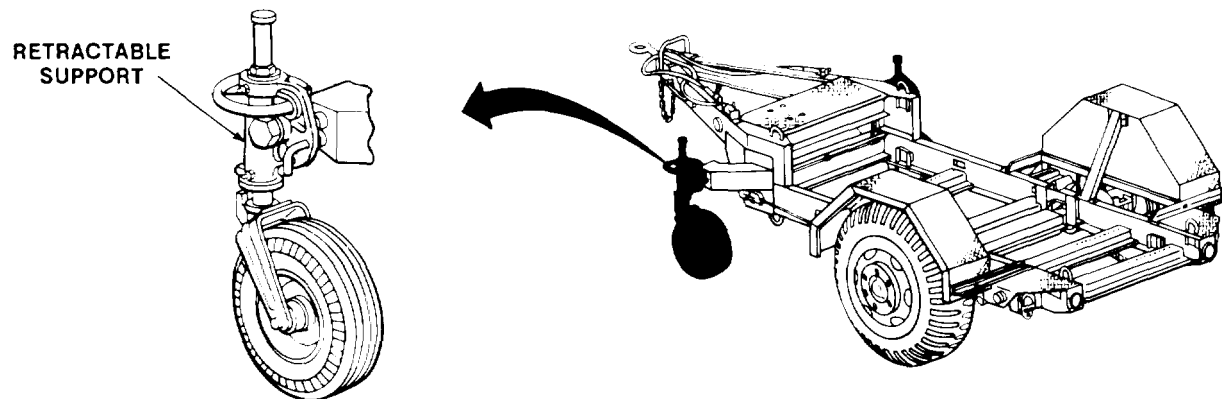
- The trailer is designed to haul general payloads of up to 7000 lb (3178 kg)
- The trailer is designed for a maximum loaded highway speed of 50 mi/h (80 km/h) and a maximum loaded cross-country speed of 25 mi/h (40 km/h).

1-8. LOCATION AND DESCRIPTION OF MAJOR COMPONENTS

The trailer is equipped with a drawbar coupler and two safety chains for towing. These components are mounted on the front of the raised A-frame.

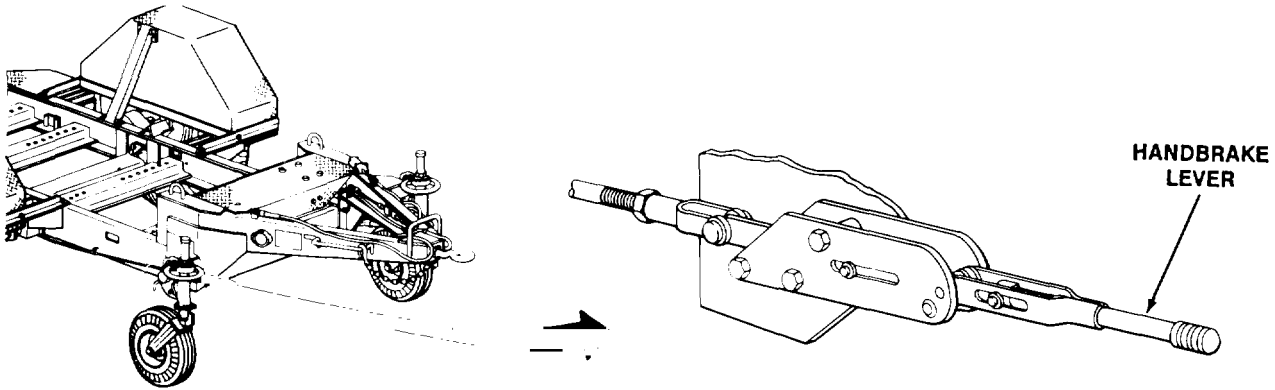


Two retractable supports with tires are located on the front corners of the trailer.

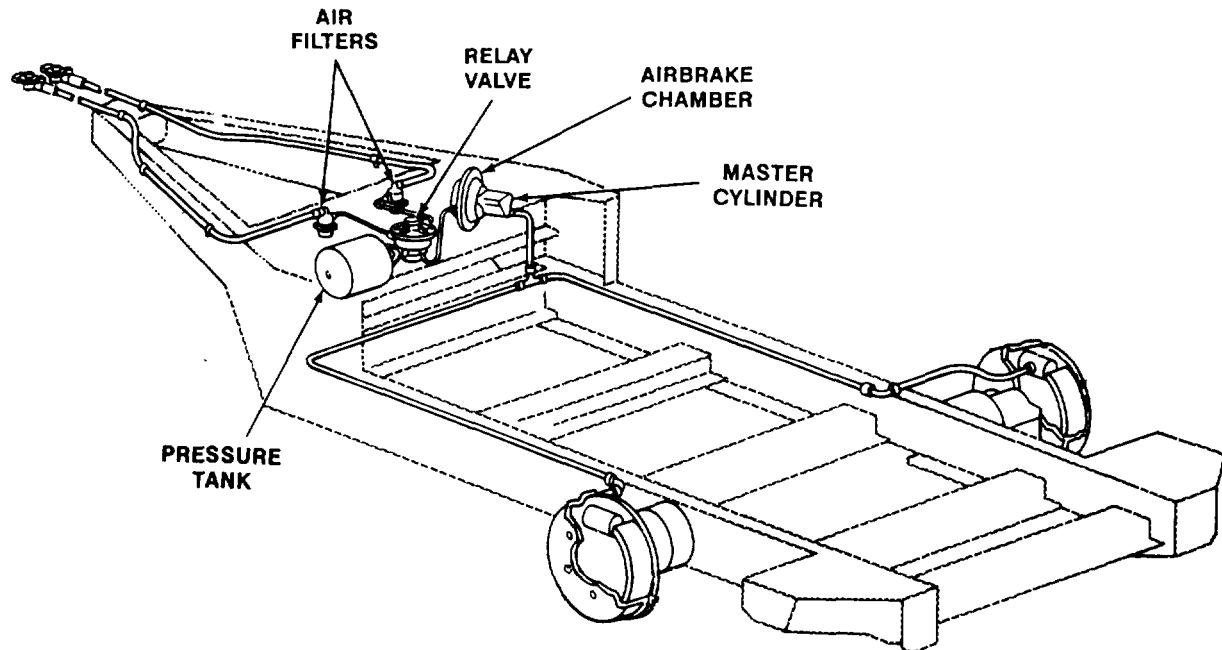


1-8. LOCATION AND DESCRIPTION OF MAJOR COMPONENTS (Con't)

Two handbrake levers lock each brake independently when the trailer is parked. Early model trailers have handbrakes levers mounted between the retractable supports and trailer wheels on the main frame. Late model trailers have handbrake levers mounted near the retractable supports.



The trailer service brake pressure tank, air filters, relay valve, airbrake chamber, and master cylinder are located under a protective plate inside the trailer A-frame.



Two composite lights, consisting of a service taillight, stoplight, turn signal, blackout taillight, and blackout stoplight, are at left and right rear of the trailer.

Older model trailers may have stoplight-taillight assemblies at each rear corner of the trailer and a separate blackout stoplight on the right rear corner.

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