
TECHNICAL MANUAL

DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE MANUAL

IMPROVED FLOAT BRIDGE (RIBBON BRIDGE) CONSISTING OF:

TRANSPORTER

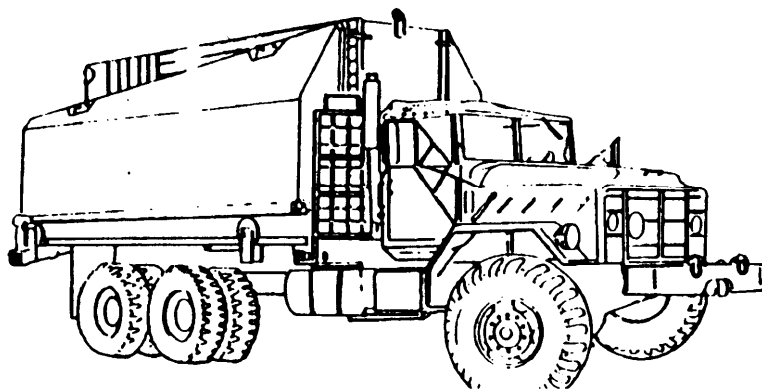
CONDEC MODEL 2280	NSN 5420-00-071-5321
CONDEC MODEL 2305	NSN 5420-01-173-2020
PACAR MODEL 9999	NSN 5420-01-175-6523
SOUTHWEST MODEL RBT	NSN 5420-01-175-6524

INTERIOR BAY

CONDEC MODEL 2282	NSN 5420-00-071-5322
CONDEC MODEL 2307	NSN 5420-01-173-2022
SPACE MODEL 66981	NSN 5420-01-175-6526

RAMP BAY

CONDEC MODEL 2281	NSN 5420-00-497-5276
CONDEC MODEL 2306	NSN 5420-01-174-8084
SPACE MODEL 6698R	NSN 5420-01-175-6525



DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

* This manual supersedes TM 5-5420-209-34, dated 27 July 1984.

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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 or 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 Aviation and Troop Command, ATTN: AMSAT-I-MP, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. A reply will be furnished to you.

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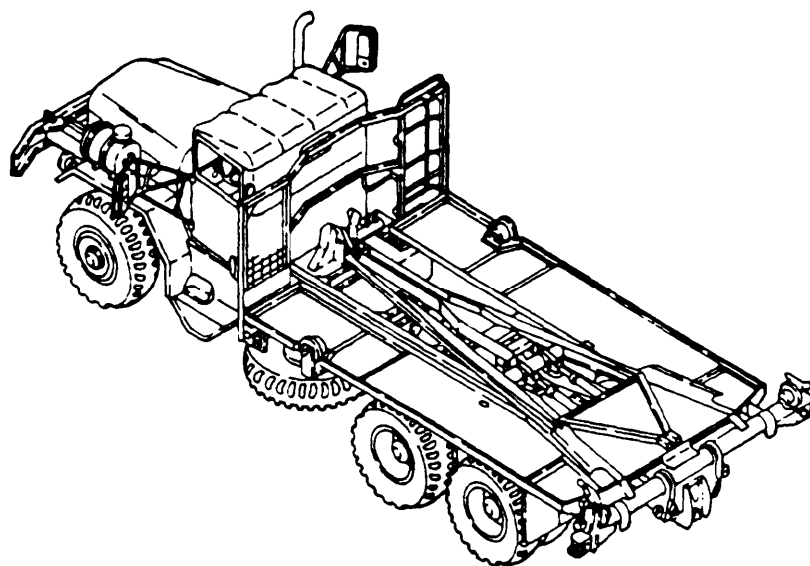
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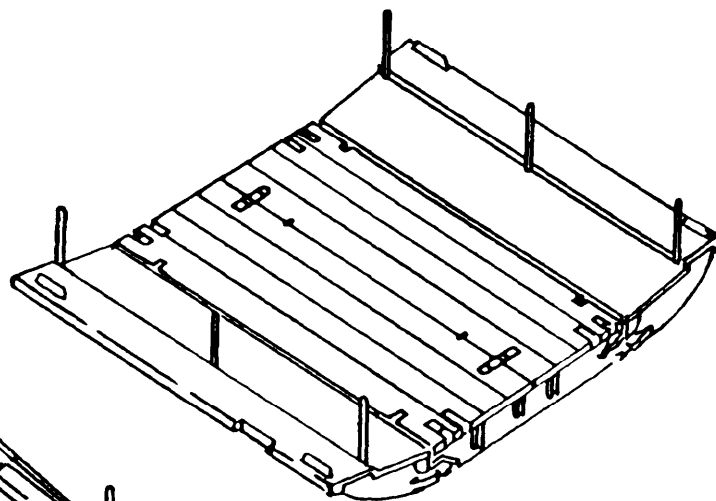
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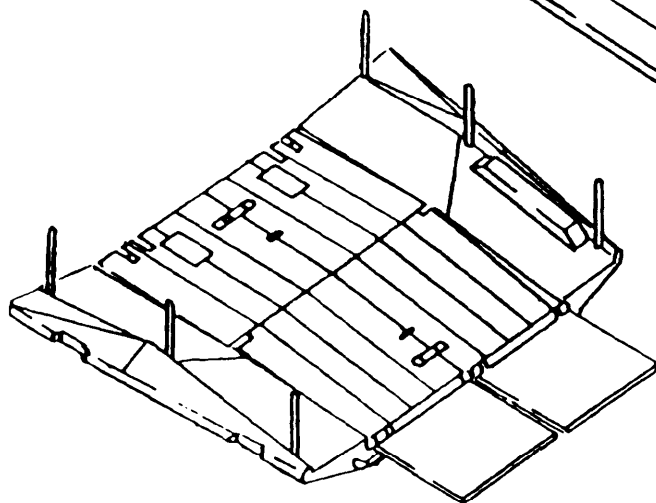
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TRANSPORTER



INTERIOR BAY



RAMP BAY

Figure 1-1. Improved Float Bridge (Ribbon Bridge).

CHAPTER 1
INTRODUCTION

OVERVIEW

This chapter contains general information pertaining to Improved Float Bridge (Ribbon Bridge) and its components.

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Section I. GENERAL INFORMATION

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1-1. **Scope.** This manual contains direct support and general support maintenance of the Improved Float Bridge (Ribbon Bridge consisting of transporter 2280 and RBT, RampBay and interior Bay (figure 1-1)

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.** Refer to TM 750-244-3 for procedures to destroy Improved Float Bridge (Ribbon Bridge) to prevent enemy use.

1-4. **Reporting of Equipment Improvement Recommendations (EIR).** If your improved Float Bridge (Ribbon Bridge) needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you do not like about your equipment. Let us know why you do not like the design or performance. Put it on an SF 368 (Product Quality Defiaency Report). Mail it to us at: Commander, U.S. Army Aviation and Troop Command, Attn: AMSAT-I-MDO, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. We will send you a reply.

Section II. EQUIPMENT DESCRIPTION AND DATA

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1-5. **General.** The ribbon bridge is a floating, modular bridge with integral superstructure and floating supports consisting of a transporter, a ramp bay at each bank and interior bays to complete the bridge between ramp bays. The transporter is used to transport bridge bays overland to a riverbank and to launch and retrieve bays used in ribbon bridge. The bays are welded aluminum alloy construction. Bridge bays can be rapidly connected together to form a continuous bridge and permit high volume stream or river crossing of equipment.

1-6. **Differences Between Models.** The differences between the two models are in the transporters, models 2260 and RBT. The model RBT has three additional pieces of equipment: The selector valve, cable tensioner and external throttle control.

CHAPTER 2

DIRECT SUPPORT MAINTENANCE INSTRUCTIONS

OVERVIEW

This chapter contains information for troubleshooting and maintenance of the Improved Float Bridge (Ribbon Bridge) by Direct Support Maintenance personnel.

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Section I. REPAIR PARTS; SPECIAL TOOLS; TEST, MEASUREMENT, DIAGNOSTIC EQUIPMENT (TMDE); AND SUPPORT EQUIPMENT

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2-1. Common Tools and Equipment. For authorized common tools and equipment, refer to the Modified Table of Organization and Equipment (MTWOE) applicable to your unit.

2-2. Special Tools, TMDE and Support Equipment. For a listing of special tools, TMDE, and support equipment authorized for use on this equipment, refer to the Repair Parts and Special Tools List, TM 5-5420-209-24P and the Maintenance Allocation Chart (MAC), Appendix B of TM 5-5420-209-12.

2-3. Repair Parts. Repair parts are listed and illustrated in the Repair Parts and Special Tools List for Improved Float Bridge (Ribbon Bridge), TM 5-5420-209-24P.

Section II. DIRECT SUPPORT TROUBLESHOOTING

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2-4. General. This section contains troubleshooting procedures to determine the probable cause of observed equipment malfunctions. Tests or inspections are provided to isolate the faulty component and corrective actions are provided to eliminate the malfunction.