

OPERATOR AND UNIT MAINTENANCE MANUAL
INCLUDING REPAIR PARTS AND
SPECIAL TOOLS LIST
FOR

CARGO PALLET, RIBBON BRIDGE
TRANSPORTER
NSN 5420-01-006-7436

Approved for public release; Distribution is unlimited.

*This manual supersedes TM 5-5420-208-12&P, 8 January 1979, including all changes.

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TECHNICAL MANUAL

NO. 5-5420-208-12&P

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DEPARTMENT OF THE ARMY
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Current as of 25 January 1990

REPORTING OF 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, directly to Commander, U.S. Army Troop Support Command, ATTN: AMSTR-MCTS, 4300 Goodfellow Blvd., St. Louis, MO, 63120-1798. A reply will be furnished directly to you.

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CHAPTER 1

INTRODUCTION

SECTION I. GENERAL

1-1. Scope. This manual is for your use in operating and maintaining the Ribbon Bridge Transporter Cargo Pallets.

1-2. Maintenance Forms and Records. 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. Administrative Storage.

Refer to paragraph 4-16.

1-4. Destruction of Army Materiel to Prevent Enemy Use.

Refer to TM 750-244-3 for instructions covering the destruction of the cargo pallet to prevent enemy use.

1-5. Reporting Equipment Improvement Recommendations (EIR).

If your cargo pallet 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 Commander, US Army Troop Support Command, AMSTR-QS, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. We'll send you a reply.

SECTION II. EQUIPMENT DESCRIPTION

1-6. Description.

a. The ribbon bridge transporter cargo pallet is designed to provide the transporter with cargo hauling capabilities, when the transporter is not required for transporting the ribbon bridge. The cargo pallet can be launched and retrieved by the transporter and functions as a dump bed with payloads up to 5 tons (4536 kg) and can support payloads up to 9.25 tons (8391 kg) when loaded in place on the transporter for highway travel. The empty pallets can be nested one on top of another, up to seven, and hauled by the transporter.

b. The pallet is an all-welded platform of aluminum landing mat extrusions across I-beam supports on each side. A rectangular box beam structure across the front of the platform provides the pickup point for retrieval and launching of the pallet by the transporter, securing the pallet to the transporter, and securing the pallets when they are stacked in the nested configuration. An outward projecting pin in each forward corner is provided for use in the retrieval and launching operations. An outward projecting pin in each rear corner and a nose anchor in front are provided to secure the pallet to the transporter and secure pallets in the nested configuration. Two nesting plates are provided to secure pallets in the nested configuration. A lifting eye at each corner is provided to allow sling retrieval, launching and nesting of the pallets. Cargo anchoring is provided via 6 recessed tiedown links in the deck and 24 tiedown hooks around the perimeter of the pallet. Sixteen stake pockets installed on the sides and ends in the deck of the pallet accommodate US Standard 4 x 4 timbers and enable side rails to be installed for retaining loose cargo or bulk materials.

c. The cargo pallet is shown in figure 1-1.

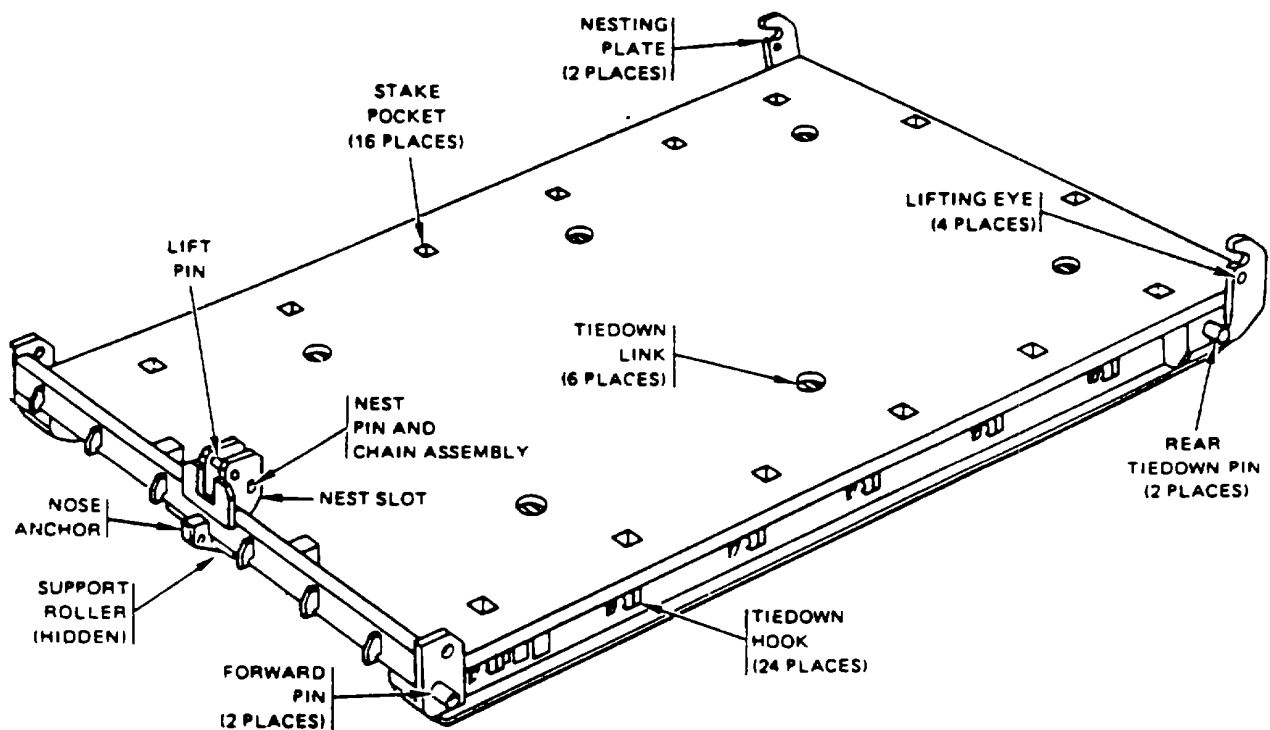


Figure 1-1. Cargo Pallet

1-7. Tabulated Data.

Length	223 in. (566.4 cm)	Six Pallets Nested	Length.....	259 in (658 cm)
Width.....	125 in. (317.6 cm)		Height	61 in. (165 cm)
Height.....	19 in. (48 cm)		Weight	8,880 lb (4028 kg)
Weight.....	1,480 lb (671 kg)	Seven Pallets Nested	Length.....	269.5 in. (684.5 cm)
Overall Cargo Area.....	118x220 in. (299.7x556.8		Height	69.4 In (176 3 cm)
.....	cm)		Weight	10,360 lb (4699 kg)
Cargo Area Between Stake				
Pickets.....	97x206 in (246.4x523.2			
.....	cm)			
Payload (Including Pallet				
Cross-country	10,000 lb (4536 kg)			
Highway.....	*20,000 lb (9072 kg)			

18,500 pounds (8391 kg) is the maximum net payload of the M812 Transporter when using the Cargo Pallet weighing 1,480 pounds (671 kg).