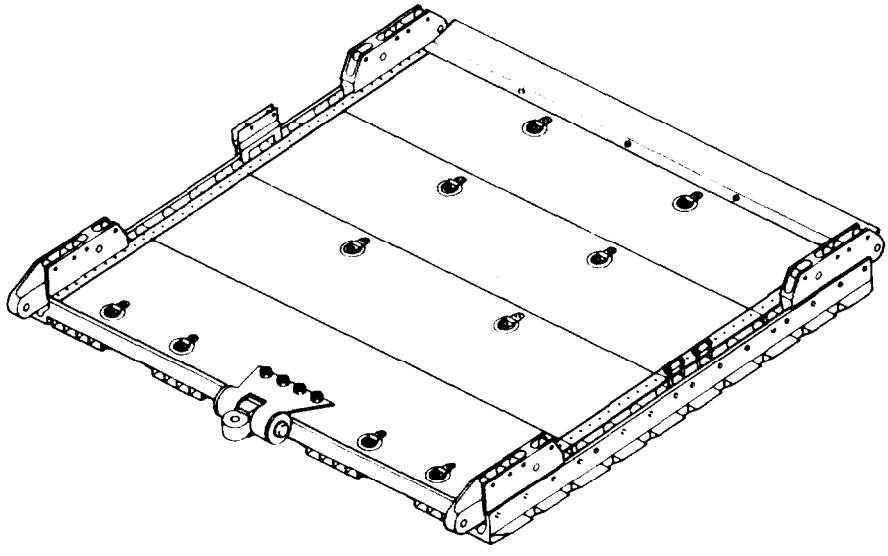
ARMY TECHNICAL MANUAL
AIR FORCE TECHNICAL ORDER

TM 10-1670-268-20&P
T.O. 13C7-52-22

Technical Manual

ORGANIZATIONAL MAINTENANCE MANUAL
WITH REPAIR PARTS AND SPECIAL TOOLS LIST



This copy is a reprint which includes current pages from Changes 1 and 2.

TYPE V AIRDROP PLATFORM

HEADQUARTERS, DEPARTMENT OF THE ARMY
1 JUNE 1986

CHANGE

NO. 2

HEADQUARTERS
DEPARTMENTS OF THE ARMY AND AIR FORCE
WASHINGTON, D.C., 29 July 1991

Organizational Maintenance Manual
With Repair Parts and Special Tools List

TYPE V AIRDROP PLATFORM

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TM 10-1670-268-20&P/T.O. 13C7-52-22, 1 June 1986, is changed as follows:

1. Remove and insert pages as indicated below. New or changed text material is indicated by a vertical bar in the margin. An illustration change is indicated by a miniature pointing hand.

Remove pages	Insert pages
1-11 and 1-12	1-11 and 1-12
2-5 and 2-6	2-5 and 2-6
C-11 and C-12	C-11 and C-12
C-15/C-16	C-15/C-16

2. Retain this sheet in front of manual for reference purposes.

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CHANGE
No. 1

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 28 February 1989

Organizational Maintenance Manual
With Repair Parts and Special Tools List

TYPE V AIRDROP PLATFORM

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Remove pages	Insert pages
a/b	a/b
i and ii	i and ii
1-3 through 1-6	1-3 through 1-6
1-9 through 1-12	1-9 through 1-12
1-15 and 1-16	1-15 and 1-16
2-1 through 2-26	2-1 through 2-26
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2-53 and 2-54	2-53 and 2-54
2-57 and 2-58	2-57 and 2-58
2-61 and 2-62	2-61 and 2-62
B-5 and B-6	B-5 and B-6
C-5 through C-10	C-5 through C-10
- - -	C-10.1/C-10.2
C-11 through C-15/C-16	C-11 through C-15/16
Index 1 through Index 4	Index 1 through Index 4

2. Retain this sheet in front of manual for reference purposes.

TM 10-1670-268-20&P
T.O. 13C7-52-22

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Logistics Command

DISTRIBUTION:
To be distributed in accordance with DA Form 12-25A, Unit Maintenance requirements for Airdrop Platform, Type V.

WARNING

Personnel performing instruction involving operations, procedures, and practices which are included in this technical manual shall observe the following instructions. Disregard of these warnlngs can cause serious injury or deaths. Never walk or crawl beneath raised platforms. The type V platform weighs approximately 100 pounds per foot of length.

WARNING

Do not use fingers to align bolt holes. Instead, use a punch to align these bolt holes. In case of injury to personnel, see FM 21-11 for first aid instructions.

WARNING

When connecting platforms in tandem do not use fingers for aligning the holes of the tandem link assemblies. Use a punch to align the holes.

WARNING

Exercise extreme care when using petroleum products to destroy equipment by flre.

TECHNICAL MANUAL

NO. 10-1670-268-20&P

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 1 June 1986

Organizational Maintenance Manual with Repair Parts and Special Tools List

TYPE V AIRDROP PLATFORM

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If ydu find any mistake or if you know of a way to improve the procedures, please let us know. ARMY - Mail 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 Troop Support Command, ATTN: AMSTR-MCTS, 4300 Goodfellow Boulevard, St. Louis, MO 63120-1798. A reply will be furnished directly to you.

AIR FORCE - Reports by US Air Force units should be submitted on AFTO Form 22, Technical Order Publication Improvement Report, and forwarded to the address prescribed above for the Army. An information copy of the prepared AFTO Form 22 shall be furnished to SAAMA/MMILRA, Kelly AFB, TX 78241.

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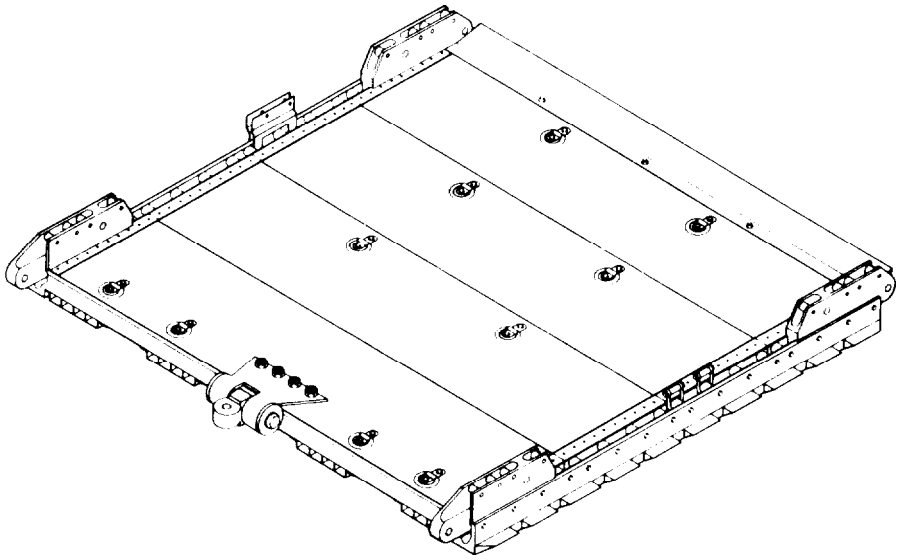
CHAPTER 1

INTRODUCTION

Section I. GENERAL INFORMATION



1-1. SCOPE

a.	Type of Manual	Organizational Maintenance Manual (Including Repair Parts and Special Tools List).
b.	Model Number and Equipment Name	Platform, Airdrop, Type V.
c.	Purpose of Equipment	Used to airdrop equipment and supplies from Air Force cargo aircraft,

1-2. MAINTENANCE FORMS, RECORDS AND REPORTS

Maintenance forms and records used by Army personnel are prescribed by DA PAM 738-750, the Army Maintenance Management System (TAMMS) and TB 750-126.

1-3. DESTRUCTION OF ARMY MATERIEL TO PREVENT ENEMY USE

a. General

(1) Objective. Methods of destruction used to inflict damage on airborne platforms should make it impossIble to restore the damaged equipment to a usable condition in a combat zone by either repair or cannibalization.

(2) Authority. DestructIon of air delivery equipment that is in immnent danger of capture by an enemy is a command decision that must be made by a battalion or higher commander or the equivalent.

(3) Implementation Plan. All units which possess air delivery equipment should have a plan for the implementation of destruction procedures.

(4) Training. All personnel who use or perform such functions as rigging, packing. maintenance, or storage of air delivery equipment should receive thorough training on air delivery equipment destruction procedures and methods. The destruction methods demonstrated during training should be simulated. Upon completion of training, all applicable personnel should be thoroughly familiar with air delivery equipment destruction methods and be capable of performing destruction without immediate reference to any publication.

(5) Specific Methods. Specific rnethods of destroying Army materiel to prevent enemy use shall be by mechanical means, fire or by use of natural surroundings.

b. Destruction by mechanical means. Air delivery equipment metal assemblies, parts, and packing aids shall be destroyed using hammers, bolt cutters, files, hacksaws, drills, screwdrlvers, crowbars, or other similar devices to smash, break, bend or cut.

WARNING

Exercise extreme care when using petroleum products to destroy equipment by fire, as these materials are highly flammable.

c. Destruction by fire. Items that can be destroyed by fire shall be burned.

The destruction of equipment by use of fire is an effective method of destroying low-melting-point metal items (e.g., side rails, threaded portions of nuts and blts, and platform sheeting, However, mechanical destruction should be completed first, whenever possible, before initiating destruction by fire. When items to be destroyed are made of metal, textile materials (or some comparable low combustible material) should be packed under and around the items, then soaked with a flammable petroleum product and ignited. Proper concentration of equipment which is suitable for burning will provide a hotter and more destructive fire.

d. Destruction by use of natural surroundings. Small vital parts of assernblies which are easily accessible may be disposed of as follows: Disposal or denial of equipment to an enemy may be accomplished through use of natural surroundings. Accessible vital parts of assemblies may be removed and scattered through dense foliage, burled in dirt or sand, or thrown into a lake, stream, or other body of water. Total submersion of equipment in a body of water will provide water damage as well as concealment. Salt water will inflict extensive damage to air delivery equipment.

1-4. PREPARATION FOR STORAGE OR SHIPMENT

For storage or shipment of the type V airdrop platform, refer to paragraphs 2-24 through 2-26.

1-5. OFFICIAL NOMENCLATURE, NAMES, AND DESIGNATIONS

NOMENCLATURE CROSS-REFERENCE LIST

This listing includes nomenclature cross-references used in this manual.

Common Name	Official Nomenclature
LAPES	low altitude parachute extraction system
rail	side rail
EFTA	extraction force transfer actuator
clevis	tiedown clevis
LVAD	low velocity airdrop
EFTC	extraction force transfer coupling
tandem link	suspension/tandem link
suspension link	suspension/non-tandem link

1-6. REPORTING OF EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR)

If your type V airdrop platform 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 (Quality Deficiency Report). Mail it to us at: Commander, U.S. Army Troop Support Command, ATTN: AMSTR-QX, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. We'll send you a reply.

1-7. WARRANTY INFORMATION

Not Applicable.

Section II. EQUIPMENT DESCRIPTION AND DATA

1-8. EQUIPMENT CHARACTERISTICS, CAPABILITIES AND FEATURES

CHARACTERISTICS

- Can be assembled into adjustable lengths by 4-foot increments from 8 feet to 32 feet.
- Insures efficient use of the airdrop system, aircraft cargo space.
- Provides a low platform height.
- Permits assembly and disassembly by appropriate personnel without special training or special tools.
- Requires limited maintenance support.

CAPABILITIES

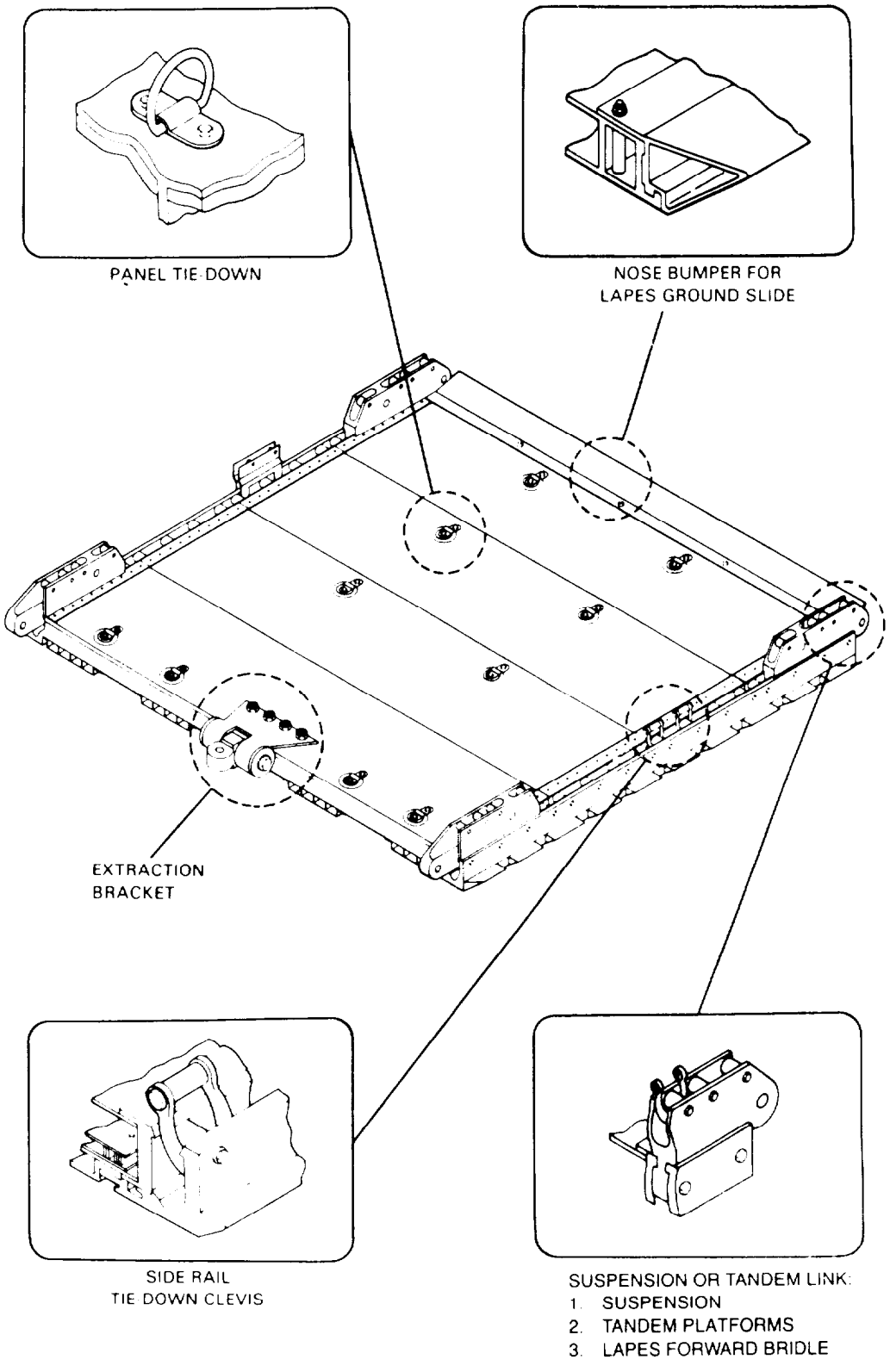
- Airdrop of supplies and equipment for which there is an airdrop requirement.
- Can be used as the point of attachment for the extraction system.
- Capable of keeping damage resulting from roller conveyor system and airdrop to reasonably low level.
- Roller pads match the roller systems in Air Force cargo aircraft such as the C-130, C-141 and C-5A, and associated material handling equipment.
- Maximum load restraint.
- Can be used in low-altitude parachute extraction system (LAPES) and low-velocity parachute recovery system.
- Can be used on terrain of various conditions suitable for airdrop.

1-8. EQUIPMENT CHARACTERISTICS, CAPABILITIES AND FEATURES—Continued

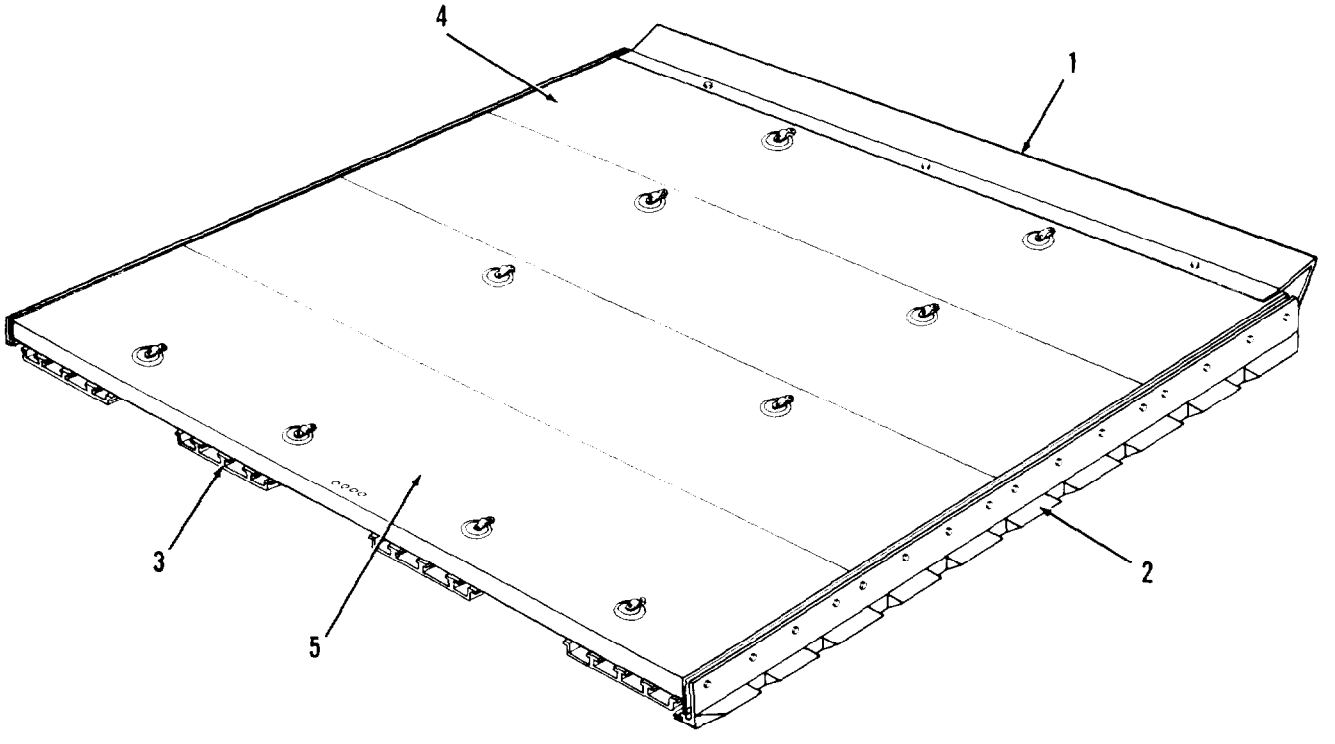
FEATURES

- A single, universal platform, suitable for entire weight range of 2,500 to 42,000 pounds.
- High reuse rate for the life of the platform.
- Smooth, continuous surface interface with cargo aircraft roller systems.
- High strength tiedown rings for improved restraint of cargo.
- High strength, side rail tiedown clevis.
- Direct platform extraction.
- Platform suspension.

TYPE V AIRDROP PLATFORM FEATURES



1-9. LOCATION AND DESCRIPTION OF MAJOR COMPONENTS



1. NOSE BUMPER
2. SIDE RAIL
3. ROLLER PAD
4. MAIN PANEL ASSEMBLY
5. REAR PANEL ASSEMBLY

MAJOR COMPONENTS OF THE TYPE V AIRDROP PLATFORM

1-9. LOCATION AND DESCRIPTION OF MAJOR COMPONENTS—Continued

NOSE BUMPER (1). The nose bumper is designed to prevent the front edge of the type V platform from digging in on ground impact during LAPE airdrop deliveries. It interlocks with the forward panel and is bolted in place.

SIDE RAIL (2). The side rails are bolted to the sides of the connected panels to assemble the platform. The side rail is L-shaped which wraps around the bottom edge of the panels so that the lower portion of the rail becomes a narrow section of roller pad. The side rail is issued in 8 ft. to 32 ft. lengths in 4 ft. increments.

ROLLER PAD (3). The roller pads are bolted to the bottom of the panel assemblies to ride on the aircraft roller system. The roller pad is issued in 8 ft. to 32 ft. lengths in 4 ft. Increments.

MAIN PANEL ASSEMBLY (4). A main panel assembly has interlocking grooves along the entire width of each panel. Floating nut assemblies are riveted on both ends of the panel that align with matching holes in the side rail. Front and rear edges of the panel have eight holes with floating nuts, which are used to connect the four roller pads. The main panel has two tiedown rings.

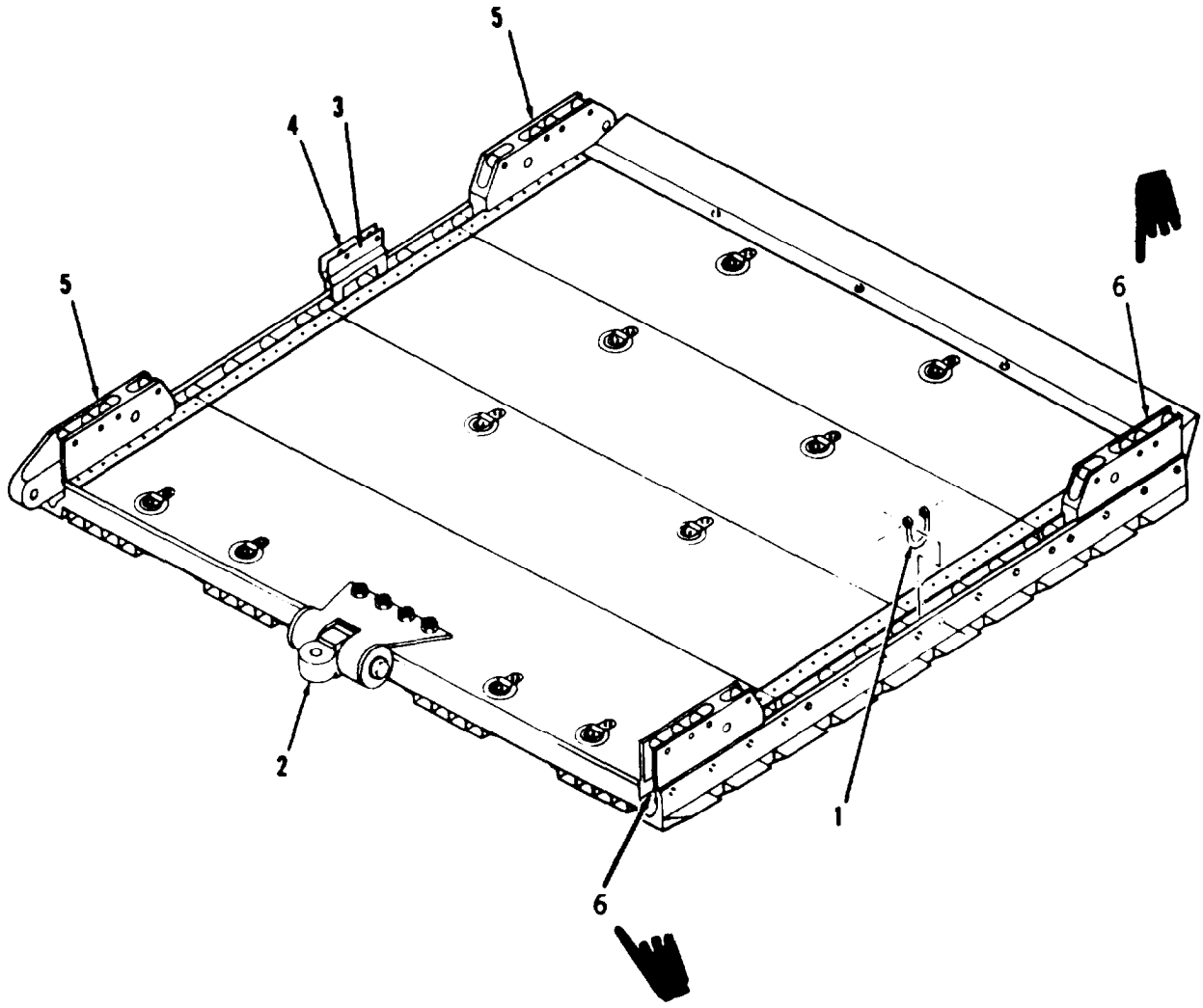
REAR PANEL ASSEMBLY (5). The rear panel has four tiedown ring assemblieson the top instead of two. It has four holes at the rear edge spaced one inch apart for attaching the extraction bracket assembly when used.

1-10. LOCATION AND DESCRIPTION OF MINOR COMPONENTS

These minor components are installed on the platform to accommodate specific modes of airdrop.

NOTE

The Tandem Link and Suspension Link are shown here to illustrate standard location when installed. Refer to the FM 10-500 series manual for actual location of suspension link.



1. TIEDOWN CLEVIS
2 EXTRACTION BRACKET ASSEMBLY
3 INSIDE EFTA BRACKET
4 OUTSIDE EFTA BRACKET
5. TANDEM LINK ASSEMBLY
6 SUSPENSION LINK ASSEMBLY

MINOR COMPONENTS OF THE TYPE V AIRDROP PLATFORM

1-10. LOCATION AND DESCRIPTION OF MINOR COMPONENTS—Continued

CLEVIS ASSEMBLY (1). The clevis assembly is basically a round rod that is curved to fit over side rail bushings. It becomes a closed ring in shape when the spacer, bolt, washer and nut are installed across the open end of the clevis.

EXTRACTION BRACKET ASSEMBLY (2). The extraction bracket assembly is used to attach the extraction system to the platform. The extraction bracket assembly consists of two main parts: the main support bracket and the EFTC connector link. The main support bracket fits over and is bolted to the rear panel assembly.

INSIDE/OUTSIDE BRACKETS (3 and 4). These brackets are used to attach the extraction force transfer actuator to special holes on the left side rail. The outside bracket is marked with an arrow and the word “FORWARD.”

TANDEM LINK ASSEMBLY (5). The tandem link assembly is used as follows:

a. To connect suspension slings to the platform using a large suspension clevis.

b. To connect platforms in tandem.

c. A LAPE system bridle connector.

It has a hole provided for attachment of a large suspension clevis and has three groups of holes for attachment to the side rail. Four holes are also provided for attachment of clevis assemblies.

SUSPENSION LINK ASSEMBLY (6). The suspension link assembly is used as follows:

a. To connect suspension slings to the platform using a large suspension clevis.

b. For 6 point suspension.

c. May be located at any point along the side rail.

1-11. DIFFERENCES BETWEEN MODELS

No model differences exist for the type V airdrop platform.

1-12. EQUIPMENT DATA

The equipment data summarizes specific capabilities, limitations, and other critical data needed by personnel responsible for organizational maintenance of the type V airdrop platform.

TOTAL PLATFORM ASSEMBLY

Load capability . . . . . 2,500 to 42,000 Lbs.

Dimensions

Length	8,12,16,20,24,28 and 32Ft
Width	108 inches
Height	5 1/2 inches

Weight

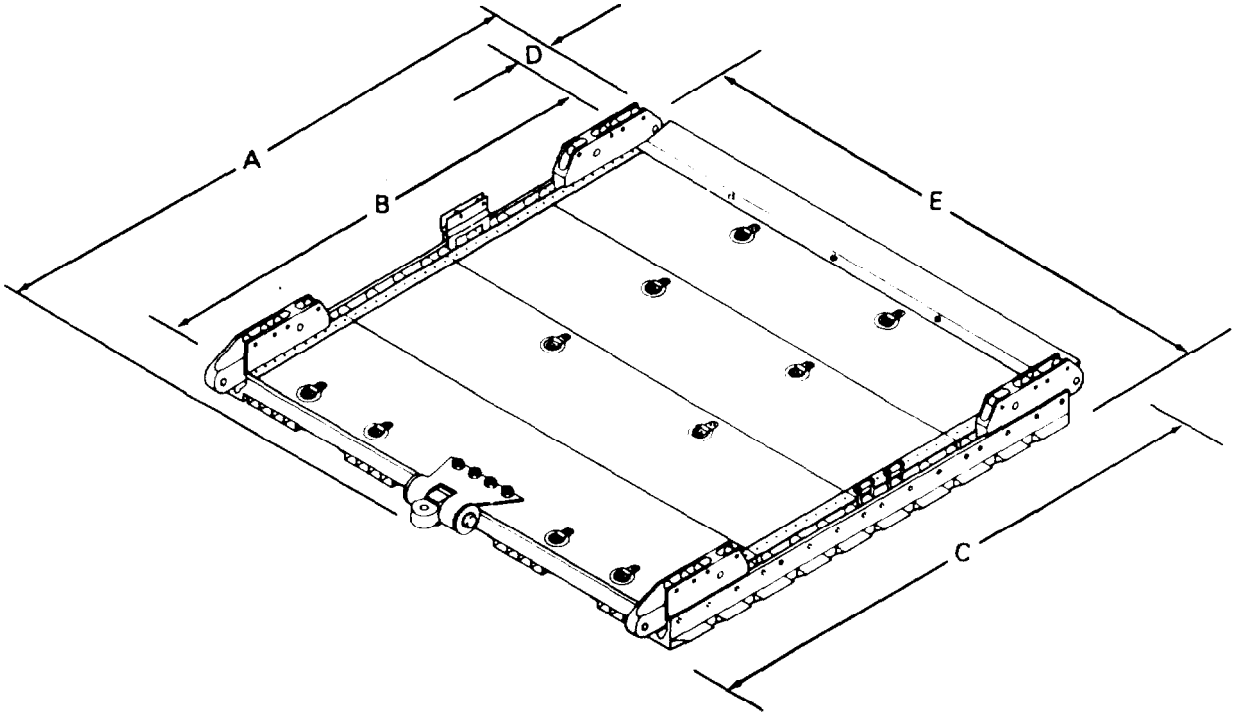
Platform Length	Approx. Weight (Lbs.)
8Ft.	820
12Ft.	1220
16Ft.	1590
20Ft.	1950
24Ft.	2280
28Ft.	2820
32Ft.	3056

NOTE

Weights listed above include the (a) platforms assembled with four each multipurpose links, (b) one extraction bracket, and (c) one nose bumper. No side rail clevises were included.

1-12. EQUIPMENT DATA—Continued

PLATFORM DIMENSIONAL DATA



A—Tip of Extraction Bracket to Leading Edge of Nose Bumper
B—Outer Edge of Rear Panel Assy to Outer Edge of Last Main Panel Assy
C—Outer Tip of Rear Tandem Link Assy to Outer Tip of Front Tandem Link Assy
D—Width of Nose Bumper
E—Width of Main and Rear Panel Assemblies

PLATFORM LENGTH	DIMENSIONS (IN INCES)				
	UNIOUE			COMMON	
	A	B	C		
8-feet	103 3/4	96	101 1/2	5	108
12-feet	153 1/4	144	149 1/2	5	108
16-feet	203	192	197 1/2	5	108
20-feet	253 1/4	240	245 3/4	5	108
24-feet	295	288	293 1/2	5	108
28-feet	343 1/4	336	341 1/2	5	108
32-feet	391	384	389 1/2	5	108

1-12. EQUIPMENT DATA-Continued

MAJOR COMPONENTS DATA-MATERIAL, DIMENSIONS AND WEIGHT

The following IS a detailed listing of leading particulars for the major components of the type V airdrop platform covering applicable materials, dimensions and weights for the listed components.

Item	Leading Particulars
Nose Bumper	
Material	Extruded Aluminum
Dimensions	
• Width	5 3/8 inches
• Length	97 inches
• Height	3 3/4 inches
Weight	27 3/4 pounds
Side rail	
Material	Extruded Aluminum
Dimensions	
• Width	6 3/8 inches
• Length	8, 12, 16, 20, 24, 28, and 32 Ft
• Height	3 11/16 inches
Weight	
• 8-foot	51 pounds
• 12-foot	78 pounds
• 16-foot	103 pounds
• 20-foot	129 pounds
• 24-foot	156 pounds
• 28-foot	181 pounds
• 32-foot	208 pounds
Side rail bushing	
Material	Aluminum
Dimensions	
• Length	1 5/8 inches
• Width	1 1/4 inches
Weight	6 ounces

1-12. EQUIPMENT DATA—Continued

Item	Leading Particulars
Roller pad	
Material	Extruded Aluminum
Dimensions	
• Width	13 7/16 inches
• Length	8, 12, 16, 20, 24, 28 and 32 Ft.
• Height	1 inch
Weight	
• 8 foot	42 pounds
• 12 foot	63 pounds
• 16 foot	84 pounds
• 20 foot	105 pounds
• 24 foot	126 pounds
• 28 foot	147 pounds
• 32 foot	168 pounds
Rear panel assembly	
Material	Extruded Aluminum
Dimensions	
• Width	101 inches
• Length	24 inches
• Height	2 1/2 inches
Weight	125 1/2 pounds
Main panel assernbly	
Material	Extruded Aluminum
Dimensions	
• Width	101 inches
• Length	24 inches
• Height	2 1/2 inches
Weight	112 pounds

1-12. EQUIPMENT DATA—Continued

MINOR COMPONENTS DATA—MATERIAL, DIMENSIONS AND WEIGHT

The following is a detailed listing of leading particulars for the auxiliary components of the type V airdrop platform covering applicable materials, dimensions and weights for the listed components.

Item	Leading Particulars
Clevis assembly	
Material	Forged, Heat-treated steel
Dimensions	
• Length	3 1/8, inches
• Width	1 1/16 inches
• Height	4 1/8 inches
Weight	12 ounces
Extraction bracket assembly	
Material	Aluminum and Steel Plate
Dimensions	
• Length	12 inches
• Width	10 inches
• Height	3 3/8 inches
Weight	19 pounds
inside Bracket	
Material	Steel Plate
Dimensions	
• Length	8 3/4 inches
• Width	5/8 inches
• Height	4 3/8 inches
Weight	1 1/4 pounds
Outside bracket	
Material	
Dimensions.	Same as above
Weight	
Tandem link assembly	
Material	Aluminum
Dimensions	
• Length	23 7/8 inches
• Width	2 inches
• Height	5 1/2 inches
Weight	17 pounds
Suspension link assembly	
Material	Aluminum
Dimensions	
• Length	20 3/8 inches
• Width	2 inches
• Height	5 1/2 inches
Weight	16 pounds

1-13. LOCATION AND CONTENTS OF APPROPRIATE IDENTIFICATION MODIFICATION, INSTRUCTION AND WARRANTY PLATES OR STENCILS

Not applicable.

1-14. SAFETY, CARE AND HANDLING

- The type V platform weighs approximately 100 pounds per foot of length. Use extreme caution in lifting and handling.
- Never walk near or crawl beneath raised platforms
- Be careful not to damage side rails.
- Do not use fingers to align bolt holes.

1-15 EQUIPMENT CONFIGURATION

The different platform configurations to accommodate specific modes of planned airdrop are:

a. Tandem LAPE. Refer to para. 2-8b.

b. Single LAPES. Install two multi-purpose link assemblies (RE: para. 2-8b) regardless of platform length.

C. Platform suspension. Refer to para. 2-8c.

d. Bridle link rigging. Refer to para. 2-8d.

e. Platform extraction. Refer to para. 2-8e.

CHAPTER 2

ORGANIZATIONAL MAINTENANCE INSTRUCTIONS

INDEX

Section I. REPAIR PARTS, SPECIAL TOOLS, TMDE AND SUPPORT EQUIPMENT

2-1. COMMON TOOLS AND EQUIPMENT

For authorized common tools and equipment, refer to the Modified Table of Organization and Equipment (MTOE) and the Table of Distribution and Allowances (TDA) applicable to your unit. The common hand tools required for assembly and repair of the type V airdrop platform are listed in Appendix B.

2-2. SPECIAL TOOLS AND EQUIPMENT

No special tools or equipment are needed by organizational maintenance personnel to maintain the type V airdrop platform. Common Tools are listed in Appendix 6 of this manual.

2-3. REPAIR PARTS

Repair parts are listed and illustrated in Appendix C of this manual.

Section II. SERVICE UPON RECEIPT

2-4. INITIAL RECEIPT

The type V airdrop platform is received disassembled with components packed separately.

2-5. UNPACKING

Position all components as near as practical to the location where the platform is to be assembled Remove and discard packing from the components.

2-6. CHECKING UNPACKED EQUIPMENT

When a type V platform is received from a designated supply source, it shall be given a rigger-type inspection (para. 2-11) by the using unit prior to being placed into service.

a. Inspect the type V platform components for damage incurred during shipment. Report the damage on DD Form 6, Packing Improvement Report. Remove all assembly components from the containers and ensure that all items are accounted for and free of defects. Report damage or defects in accordance with DA PAM 738-750.

b. Alter the inspection is completed, the platform components can be stored or assembled for airdrop operations.

2-7. ASSEMBLY OF THE MAJOR COMPONENTS

The basic assembly of the type V airdrop platform is achieved by systematically bolting the five major components together. The major components consist of a nose bumper, main panel assemblies, rear panel assembly, roller pads and side rails.

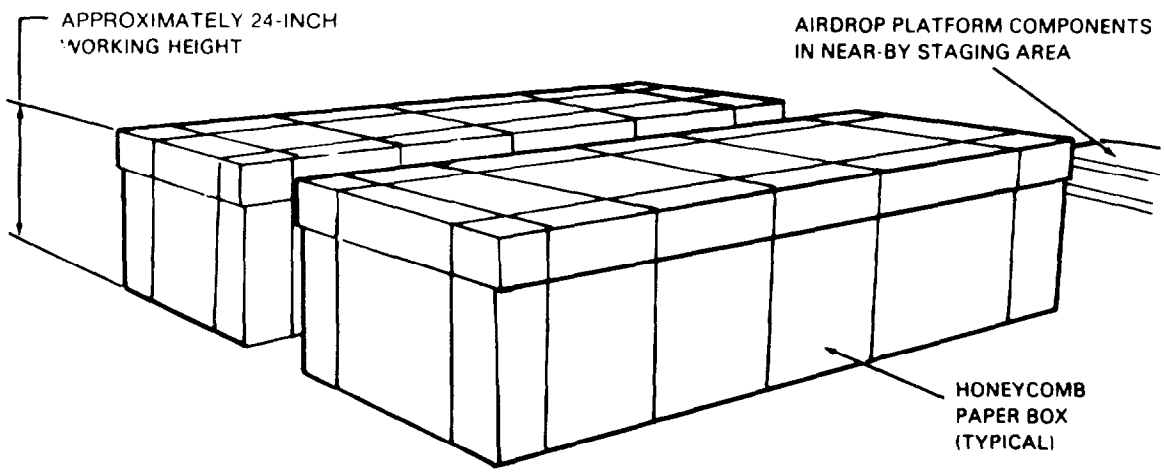
The steps required for the assembly of the major components are as follows:

a. Place supporting material such as sawhorses or boxes of honeycomb paper that will be sufficient to support the platform at a convenient height on a flat surface.

2-7. ASSEMBLY OF THE MAJOR COMPONENTS—Continued

NOTE

The type V platform must be assembled upside down. Bolts are installed from the bottom into holes with riveted-nut plate bars located Inside the panels.



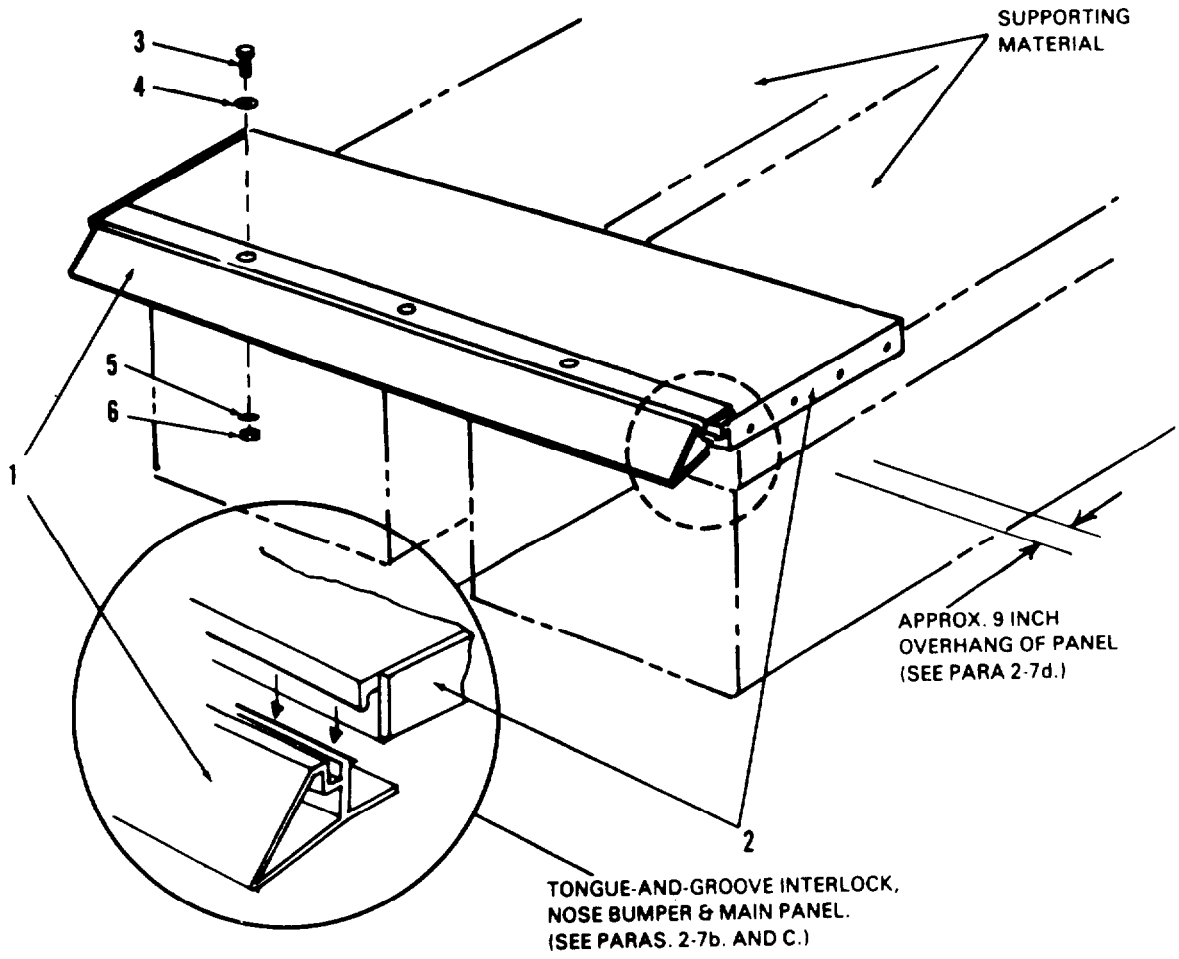
SUPPORTING MATERIAL FOR ASSEMBLY OF AIRDROP PLATFORM

b. Because of the tongue-and-groove interlock (illustrated on next page) the platform must be assembled from front to rear.

NOTE

The main panel assembly can be identified by the two tiedown rings.

2-7. ASSEMBLY OF THE MAJOR COMPONENTS—Continued



TONGUE AND GROOVE INTERLOCK, NOSE BUMPER & MAIN PANEL

c. Place a main panel facing downward onto the supporting material with the leading edge overhanging the material by approximately 9 inches. Examine the tongue-and-groove of the main panel to determine which edge of the panel is the leading edge. The leading edge is distinguished by its protruding tongue and three holes close to the leading edge.

2-7. ASSEMBLY OF THE MAJOR COMPONENTS—Continued

NOTE

Start the bolts into the nuts, two or three turns by hand before using any wrench. Tighten the bolts fully, using 9/16" wrench.

d. Attach the nose bumper (1) to the first main panel assembly (2) leading edge using three 3/8" x 3 21/64" hex head bolts (3) with six 3/8" flat washers (4) and (5) and three 3/8"-24 NF hex-nuts (6).

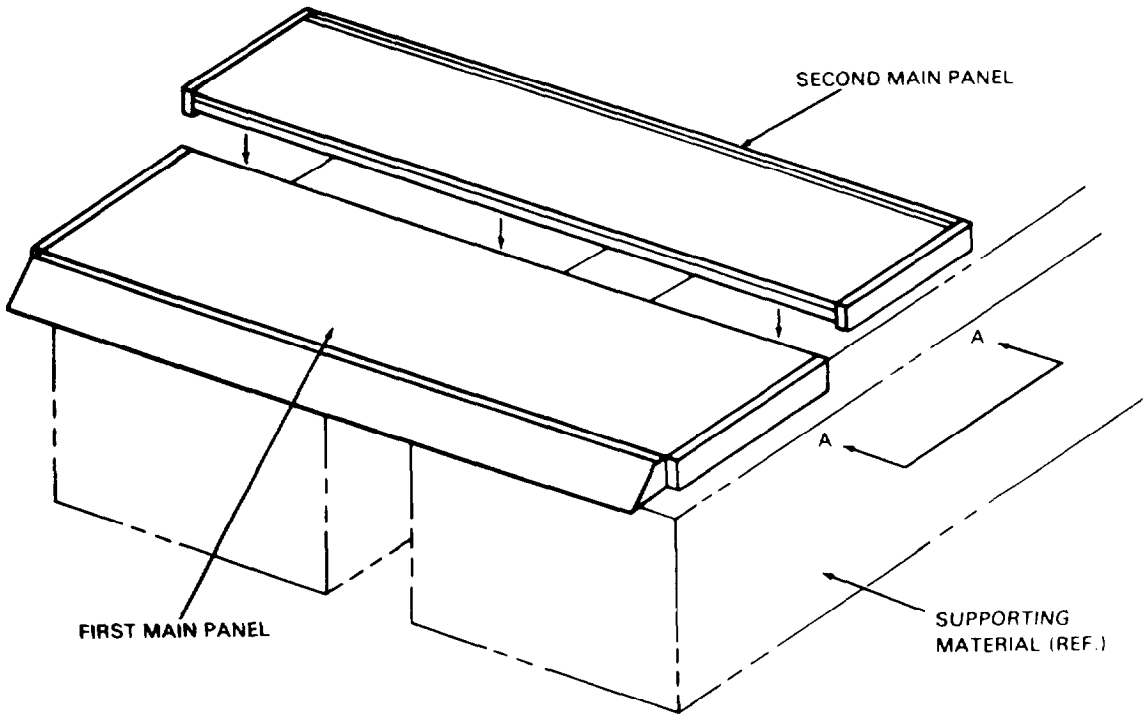
NOTE

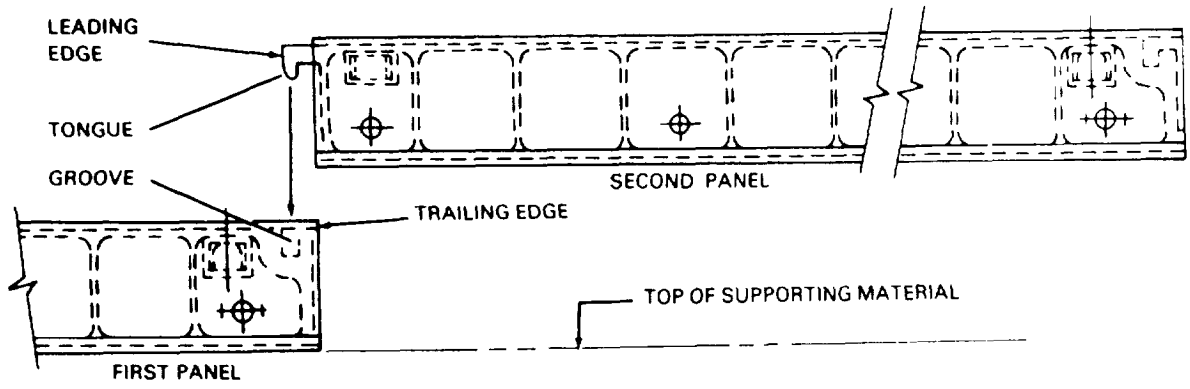
Nose bumper, Part Number 65D3729, may be used on the Type V Platform.

Attach nose bumper by placing nose bumper in grooved slot. Hold in place with C-clamps. With center punch or sharp instrument inserted through the panel mounting holes, mark the location of the three mounting holes. Remove nose bumper and using a drill with 1/2-inch drill bit, drill the three required holes in the nose bumper. Remark nose bumper with PN 11-1-2797.

e. Place the next panel on the supporting material with tiedown rings facing downward and the leading edge of the second panel next to the trailing edge of the first main panel, and interlock the mating tongue-and groove of the first and second panels. Slightly raise the second panel above the first to enable the tongue to drop into place within the groove.

2-7. ASSEMBLY OF THE MAJOR COMPONENTS—Continued



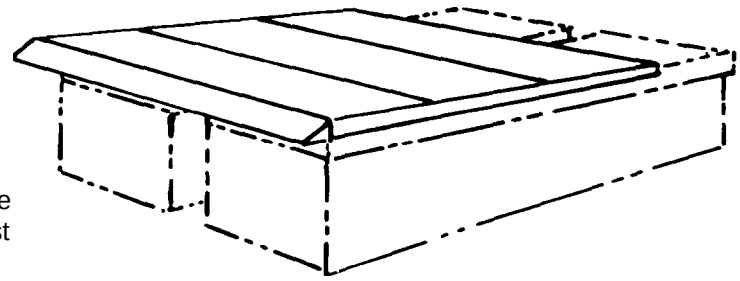


VIEW A-A

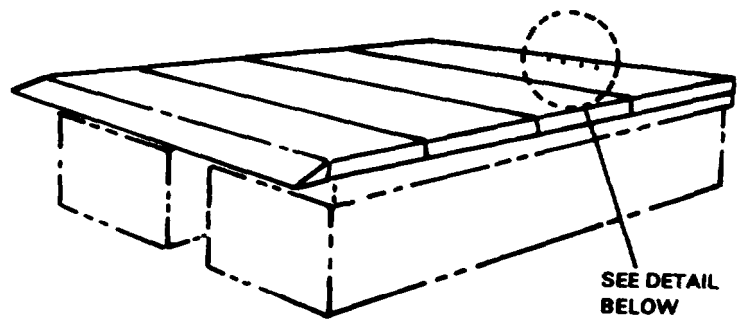
TONGUE & GROOVE INTERLOCK OF PLATFORM PANEL ASSEMBLIES

2-7. ASSEMBLY OF THE MAJOR COMPONENTS—Continued

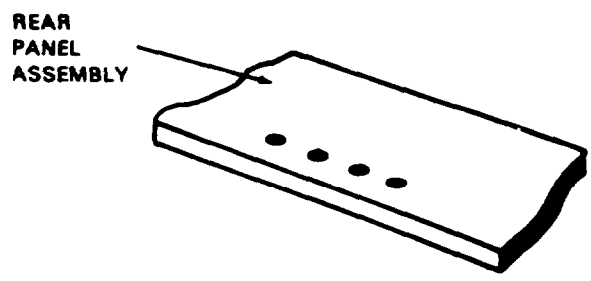
f. Add panels as required. Insure that the outside edges of the panels are properly aligned. The last panel installed must be a rear panel.



THIRD MAIN PANEL OF 3-MAIN PANEL SERIES ASSEMBLED TO SECOND PANEL



REAR PANEL ASSEMBLY ASSEMBLED TO LAST MAIN PANEL IN 3-PANEL SERIES.



FOUR HOLES ALONG CENTER OF TRAILING EDGE OF REAR PANEL FOR ASSEMBLY OF EXTRACTION BRACKET

g. Select a roller pad of the same length as the assembled panels and position it along either edge, angled end forward. Align the holes in the roller pad with the holes along the leading edge of the first main panel and the trailing edge of the rear panel. A punch or comparable aligning tool should be used to align the holes. Begin the fastening operations for the roller pad (1) by

2-7. ASSEMBLY OF THE MAJOR COMPONENTS—Continued

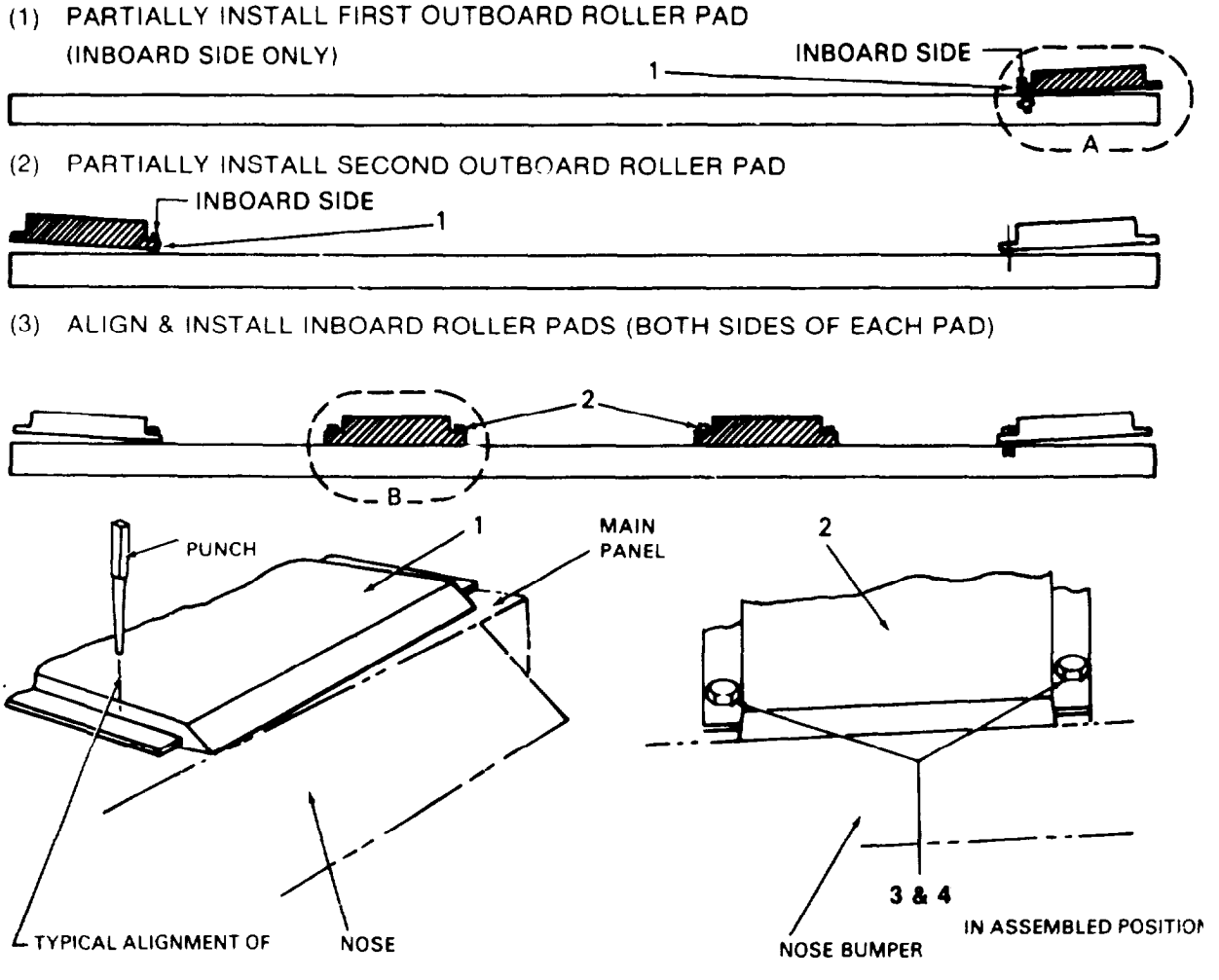
installing 3/8" x 1 1/2" roller pad bolts (3) with 3/8" flat washers (4) on the inboard side only, tightening two or three turns by hand. Repeat this step with another roller pad of the same length on the opposite edge of the platform. These roller pads will be classified as outboard roller pads.

NOTE

Do NOT install bolts in the outboard edge of the outboard roller pads at the time.

NOTE

Washers must be used under all bolt heads, and all bolts must be started by tightening two or three turns by hand before using a 9/16 inch wrench.



DETAIL A DETAIL B

OUTBOARD AND INBOARD ROLLER PAD ALIGNMENT AND INSTALLATION

2-7. ASSEMBLY OF THE MAJOR COMPONENTS-Continued

h. **Select** two more roller pads (2) of the same length as the assembled panels. These pads will be referred to as the inboard roller pads. Use a punch to align the holes of the roller pad with the panel assemblies. Install all bolts and washers, tightening the hex head bolts two or three turns by hand.

NOTE

If for any reason it is not possible to install some of the roller pad bolts, it is permissible to omit only one roller pad bolt per panel.

i. Select a side rail (1) of the same length as the assembled panels and position it along one side of the platform, overlapping the outboard roller pad. Use a punch to align the bolt holes. Install 3/8” x 1 5/64" hex head bolts (2) with 3/8” flat washers (3) through the side rail and the roller pad into the captive nuts (4). Start the bolts two or three turns by hand.

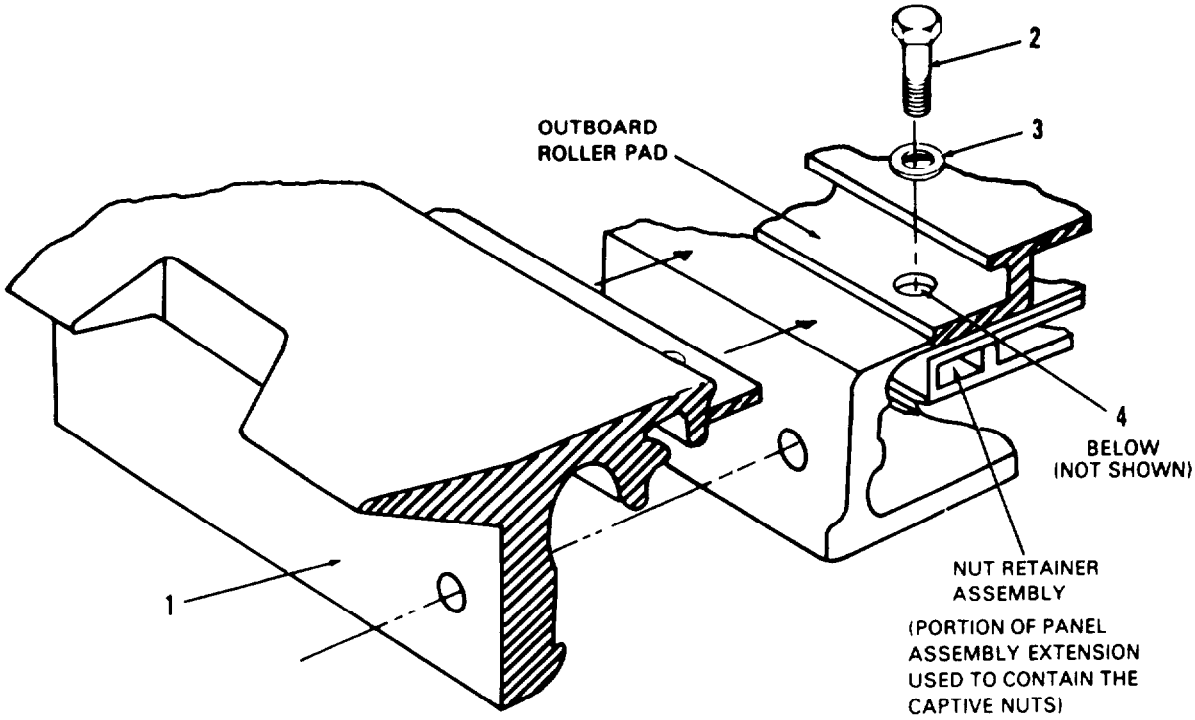
NOTE

Before installing side rail bolts, insure the suspension link, if required, is positioned at the proper side rail holes. Refer to the FM 10-500 series manual of the item being rigged.

CAUTION

Do not hammer bolts through holes of side rails.

Repeat this step with another side rail of equal length on the opposite side of the platform.



ASSEMBLING SIDE RAIL TO OUTBOARD ROLLER PAD

2-7. ASSEMBLY OF THE MAJOR COMPONENTS—Continued

j. Using a Using 9/16-inch wrench, tighten all bolts (1) and (2) installed in the two inboard roller pads and on the inboard side of the outboard roller pads.

NOTE

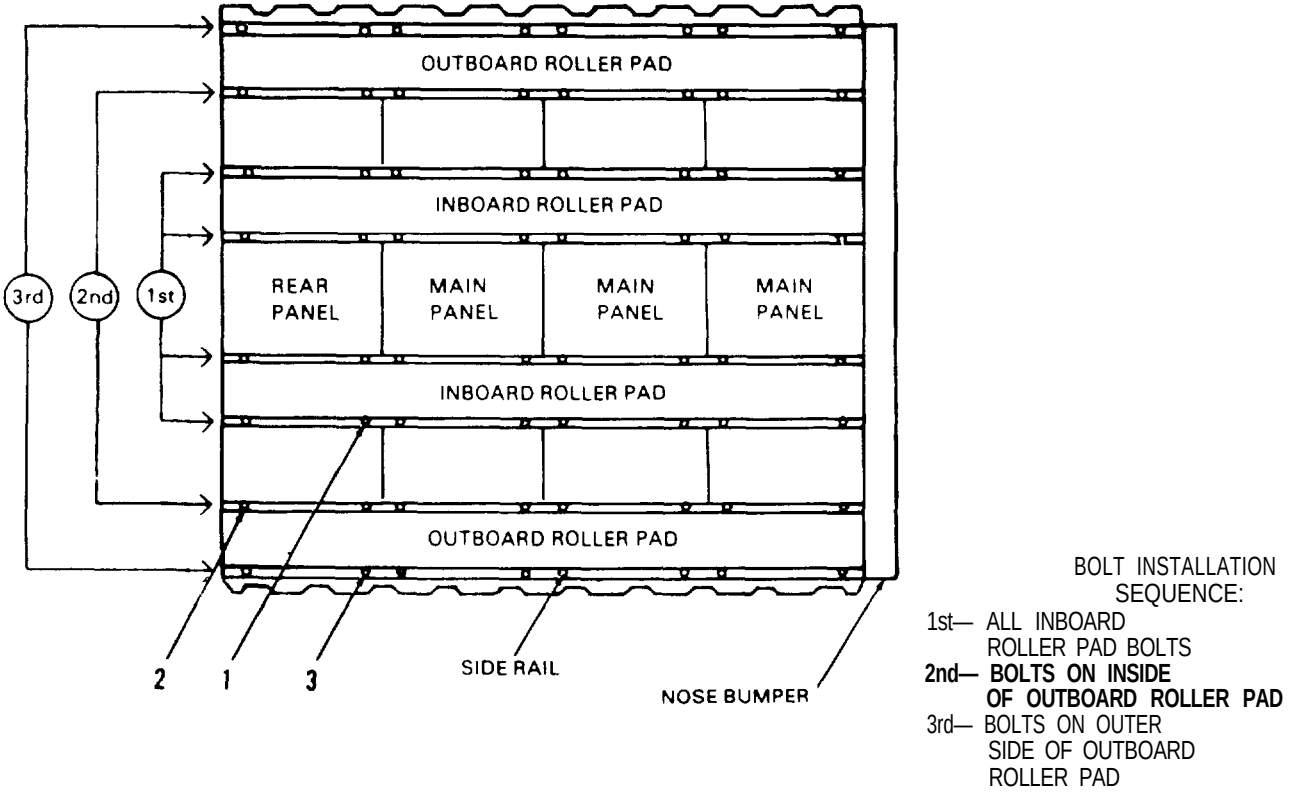
If any of these bolts cannot be fully tightened, it is permissible to omit ONLY one bolt per panel.

k. Using a 9/16-inch wrench, tighten the bolts (3) of the side rails and those of the outboard roller pads to within one-quarter inch of the top of the flat washer (4). This will ensure that the side rails are securely attached, and will also enable turning the platform upright for final assembly. Do NOT fully tighten these bolts (3) at this time.

NOTE

Only one bolt per panel may be omitted.

Refer to the figure below for bolt locations.



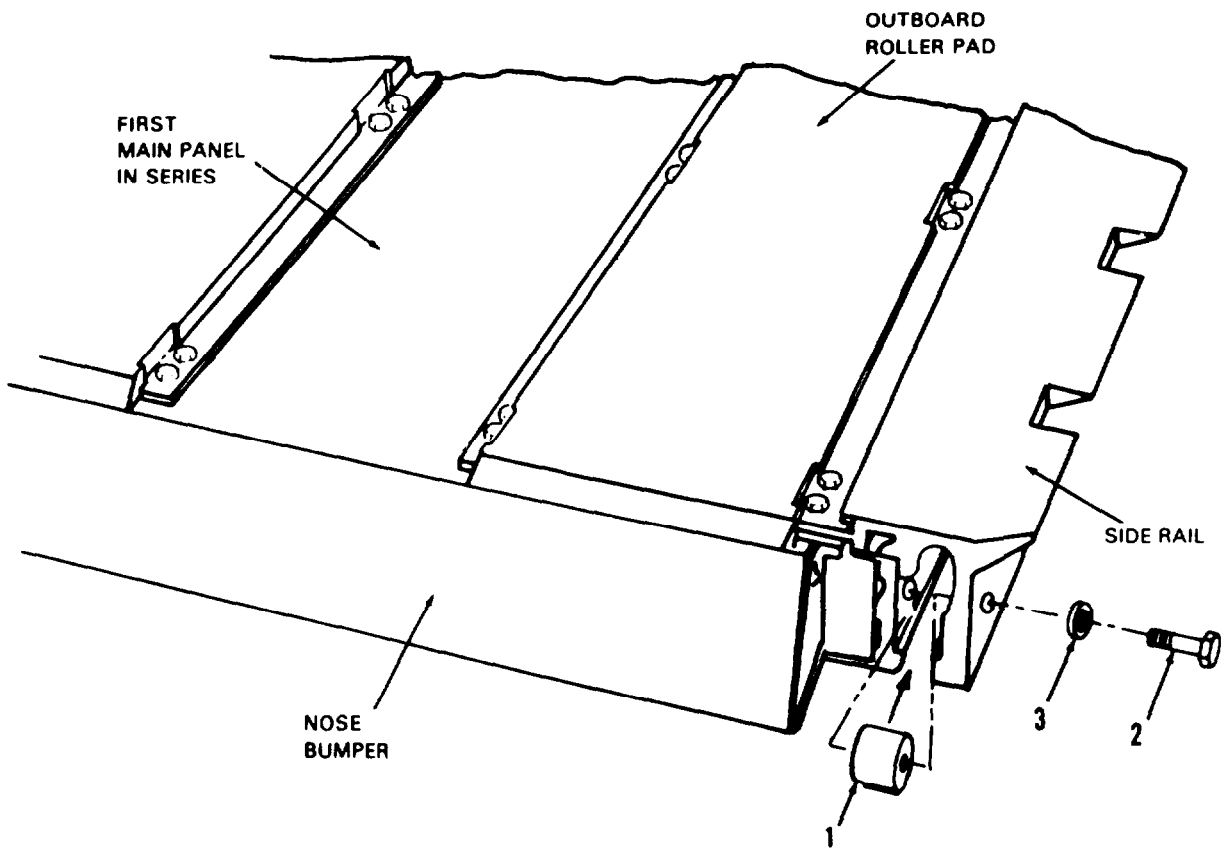
ROLLER PAD INSTALLATION SEQUENCE

2-7. ASSEMBLY OF THE MAJOR COMPONENTS-Continued

NOTE

If tandem link assemblies are to be used, the last three side rail bushings at each end of the side rails must be left out. Before installing side rail bushing, insure that the suspension link is positioned at the proper side rail holes.

1. Install side rail bushings (1) and 1/2" x 3 13/6" side rail bolts (2) with 1/2" flat washers (3) for all the holes in the side rail. The bushings fit between the side rails and panel end members with the flat portion against the lip of the side rail and end member. The bushings can be positioned by inserting them at the ends of each side rail and sliding them to each hole location, pulling upward slightly on the side rail to make positioning of the bushings easier. Bolts should be left finger tight until all bushings and bolts are in place.



INSTALLATION OF SIDE RAIL BUSHINGS

NOTE

ONLY one bolt may be omitted per panel.

2-7. ASSEMBLY OF THE MAJOR COMPONENTS-Continued

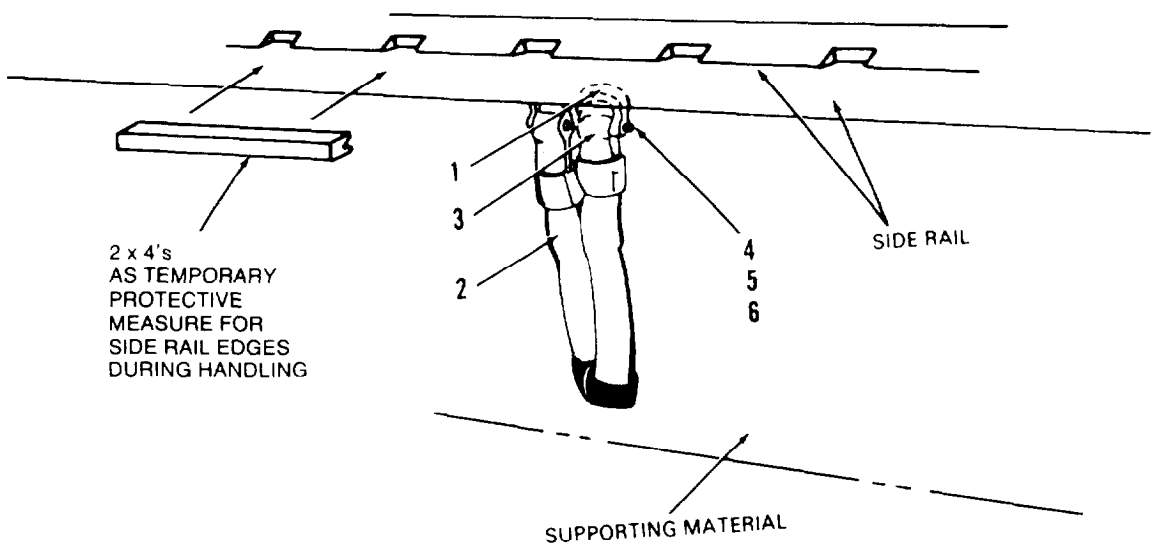
1. To turn the platform upright, use a pair of side clevises (1) to attach a 3-foot suspension sling (2) to two adjacent bushings (3) near the center of one of the side rails.

WARNING

The platform weights approximately 100 pounds per foot of length. To avoid injury to personnel or damage to surrounding equipment, use extreme caution in lifting and handling. Never walk near or crawl beneath the assembled raised platform. If control of platform is lost, immediately alert other personnel.

CAUTION

In turning the platform over, be careful not to damage the side rail notches. Short pieces of lumber (e.g., two-by-fours or plywood) should be used to prevent the rail edges from contacting a concrete floor or other hard surface while the platform is being turned over.



MATERIAL HANDLING MEASURES USING SIDE RAIL CLEVISES AND SUSPENSION SLING TO TURN PLATFORM UPRIGHT

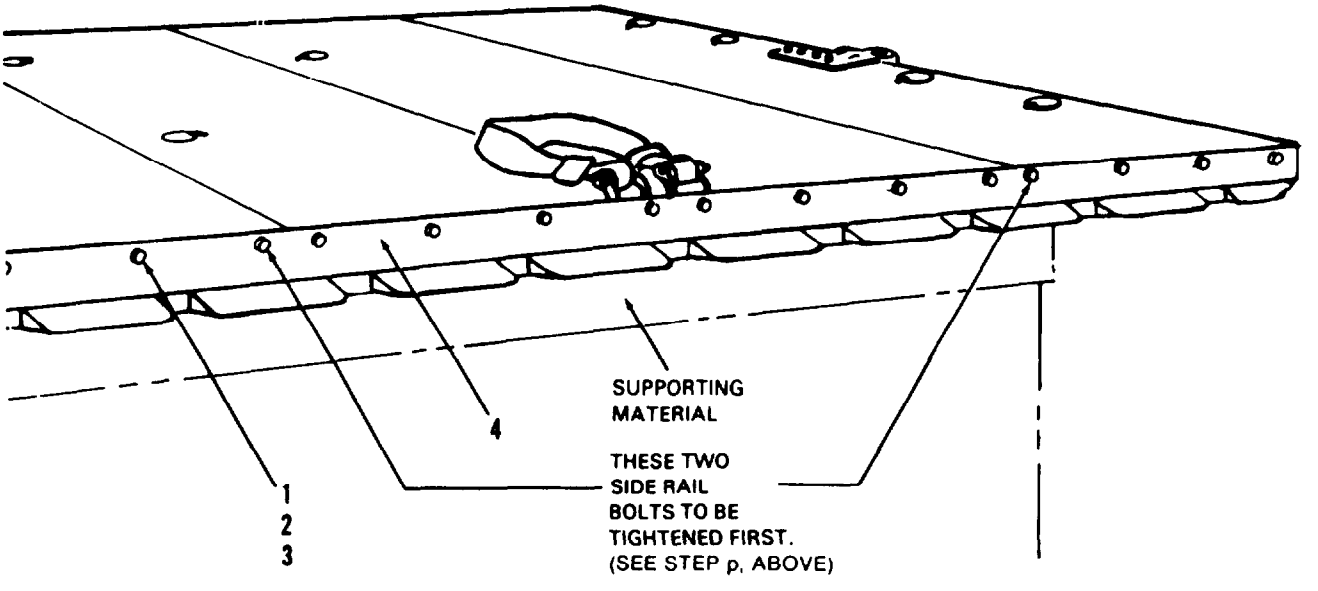
2-7. ASSEMBLY OF THE MAJOR COMPONENTS—Continued

n. With the suspension sling attached, the platform may be lifted and turned over. Two straps should be attached to the opposite two corners of the platform to guide the platform as it is being raised.

o. Once the platform is turned upright, it should be placed on the supporting material, allowing access to the bolts in the outboard side of the outboard roller pad.

p. Install any missing side rail bolts (1) washers (2) and bushings (3) that could not be installed before. Draw the side rail (4) into proper alignment by fully tightening the fourth bolt from each end of both side rails, using a 3/4-inch wrench. All other side rail bolts may then be tightened, working from the center toward each end of the platform. Refer to the figure below for details.

q. Using a 3/4-inch wrench, fully tighten the bolts that go through the bottom of the side rails (initially installed in step 2-7 I). This completes assembly of the major components of the type V airdrop platform.



TIGHTENING SIDE RAIL BOLTS

2-8. ASSEMBLY FOR SPECIAL CONFIGURATIONS

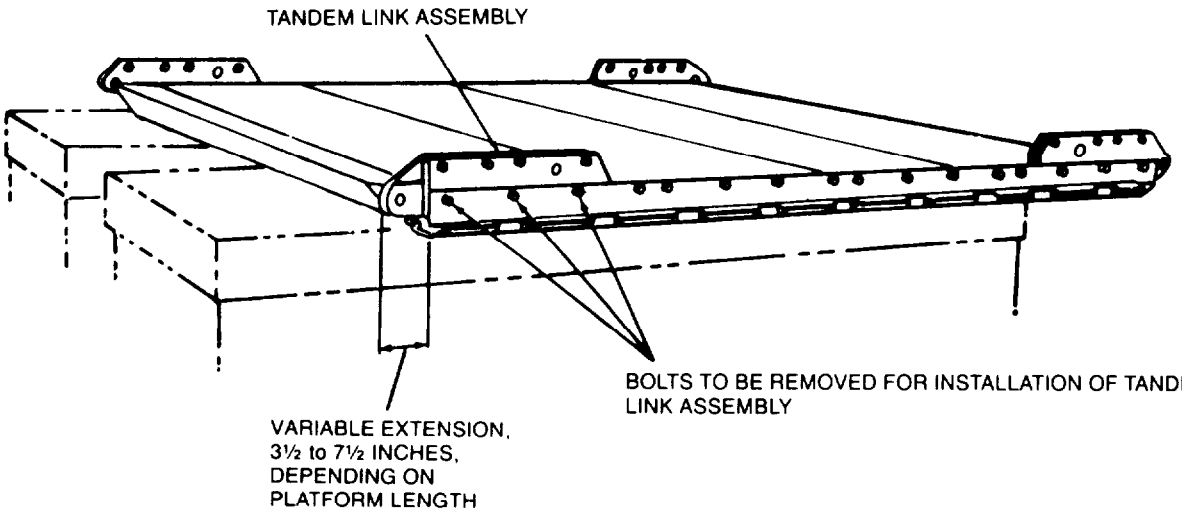
a. General Information. Assembly of the type V airdrop platform for special configurations consist of installing components that provide capabilities, for low-altitude parachute extraction system (LAPES) and low velocity airdrop system. Paragraphs b through e are instructions for installing minor components.

b. LAPE. Two of the tandem links are installed on each side of the platform for most applications. For single LAPE, the tandem links are installed in the forward end of the side rails.

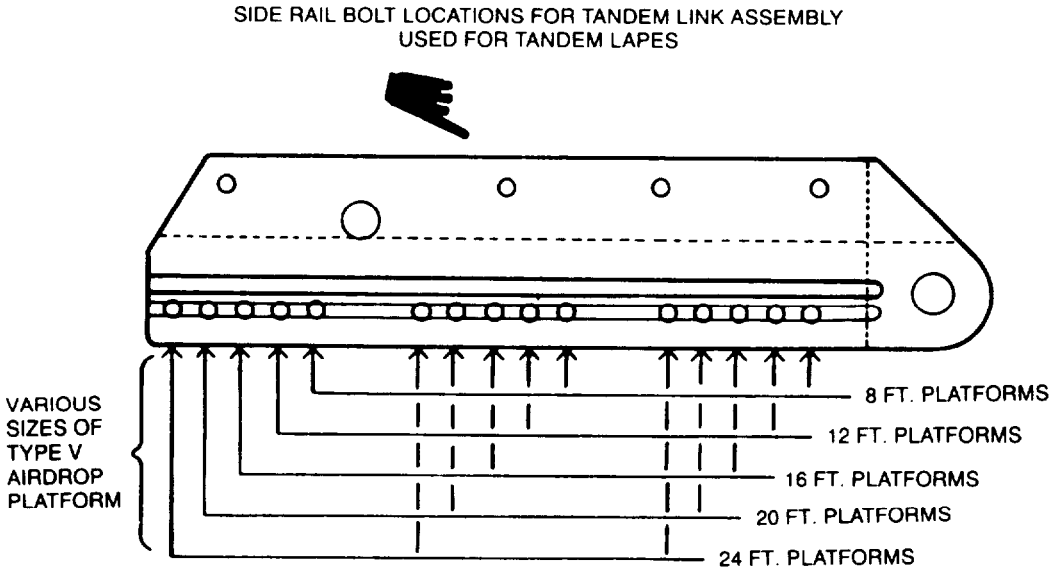
(1) Using a 3/4-inch socket wrench, remove the last three side rail bolts and bushings and slide the tandem link assembly into the side rail, leaving several inches extending beyond the ends of the side rails. This extension varies depending on the platform size. For LAPES, the tandem link assemblies must be adjusted to the length of the platform. Install side rail bolts proper holes as illustrated below.

C. Low velocity. The tandem link or suspension link are installed on each side of the platform. When installing the suspension link along the side rail, refer to the FM 10-500 series manual for proper location.

2-8. ASSEMBLY FOR SPECIAL CONFIGURATIONS—Continued



TANDEM LINK ASSEMBLIES INSTALLED ON 8-FOOT TYPE V AIRDROP PLATFORM

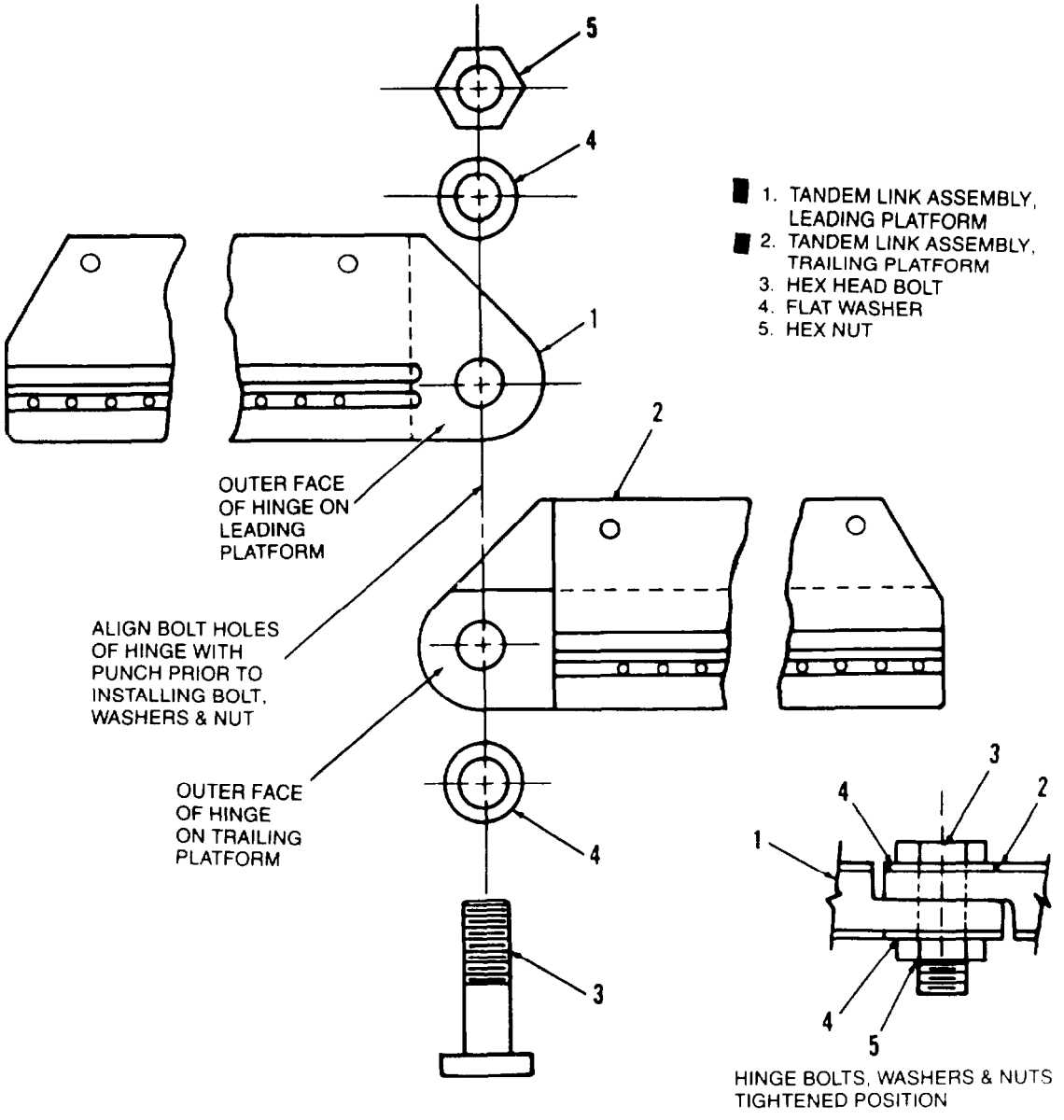


TANDEM LAPES/TANDEM LINK ASSEMBLY INSTALLATION

2-8. ASSEMBLY FOR SPECIAL CONFIGURATIONS—Continued

(2) Platforms are to be connected in tandem. The tandem link assemblies must be connected inside the aircraft. A figure showing the tandem link assembly used for tandem LAPES is given below. Installation procedures are as follows:

Align the bolt holes and using a 1 1/2-inch wrench, install the required number of 3-inch long X 1 -inch diameter hex head bolts (3) with 1" flat washers (4) and-12 NF hex nuts (5). If the tandem links have been properly positioned, the 10-inch spacing on the rail lock detents will be maintained from platform to platform.

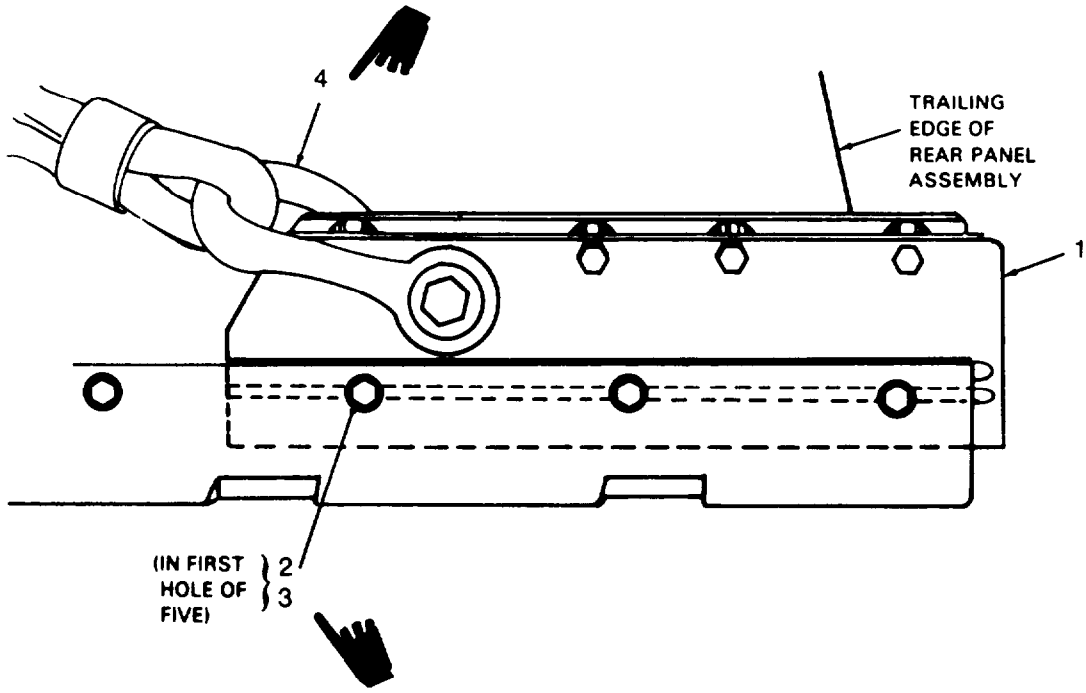


TANDEM LINK ASSEMBLY USED FOR TANDEM LAPES

2-8. ASSEMBLY FOR SPECIAL CONFIGURATIONS—Continued

(3) Tighten the hinge bolts (4) and nuts (5) until they are snug and no clearance remains between the tandem links, heads of bolts and nuts, as illustrated. After installation of tandem LAPE platforms in aircraft and engaging side rail locks, tighten tandem link bolts as tight as possible.

C. Low velocity. The tandem link or suspension link assemblies are used as suspension brackets when the type V platform is used for platform suspended, low-velocity airdrop. The typical configuration is illustrated below.



PLATFORM SUSPENSION USING TANDEM LINK & LARGE CLEWS ASSEMBLIES

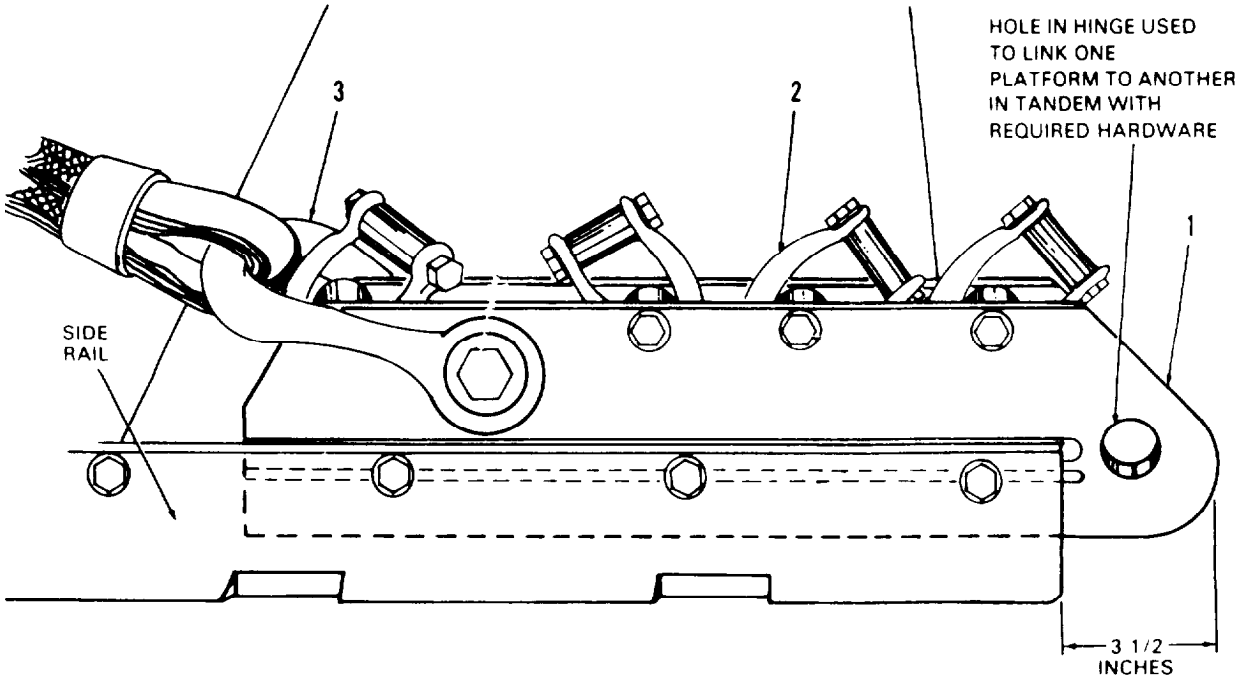
The assembly for the platform suspension configuration is as follows:

(1) Install four tandem link assemblies (1) as described for the 8-foot platform, regardless of the length of the platform being used. The side rail bolts (2) are to be installed through the first hole in the three groups of five holes towards the end of the side rail. Flat washers (3) must be used when installing each of these side rail bolts.

(2) Install a large clevis (4) in the l-inch hole provided on the tandem link assembly as illustrated above.

2-8. ASSEMBLY FOR SPECIAL CONFIGURATIONS—Continued

d. Bridle link rigging. The tandem or suspension link assemblies (1) are used for attachment points for four tiedown clevises (2) and large clevis (3). This special configuration is illustrated below.



LARGE CLEVIS INSTALLED AS LAPE BRIDLE

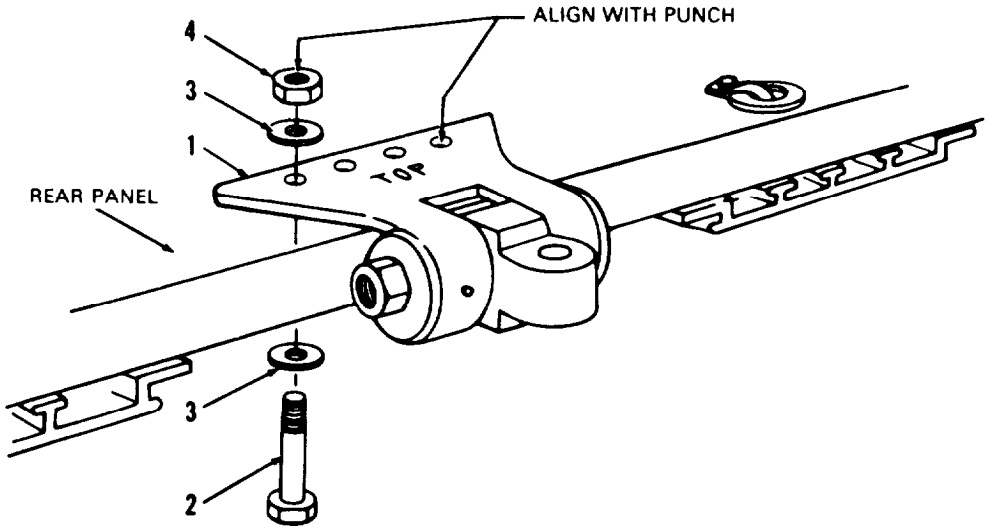
e. Cargo extraction system. The extraction bracket assembly and the outside and inside EFTA brackets must be installed on the platform, if airdrop cargo is to be platform extracted. The following minor components must be installed on the platform, as illustrated on the following page.

(1) Extraction bracket assembly. Attach an extraction bracket assembly (1) on the center of the rear panel. using a punch to align the four bolt holes, Using a 15/16 inch wrench install the four 5/8" x 3 57/54" -18NF hex head bolts (2) with 5/8" flat washers (3) and the four 5/8"-18NF nuts (4) also with 5/8" flat washers These bolts must be installed from the bottom.

2-8. ASSEMBLY FOR SPECIAL CONFIGURATIONS—Continued

NOTE

The extraction bracket assembly must be installed so that the moveable lug will fold upward when the platform is rightside up. The upper part of the extraction bracket is stenciled "top".



ASSEMBLY OF EXTRACTION BRACKET TO REAR PANEL ASSEMBLY

(2) Inside and outside EFTA brackets. The inside and outside brackets (1) and (2), are used to attach the extraction force transfer actuator (EFTA) to the left side rail. Two special holes are provided in the side rail for attaching the brackets Using a 9/16-inch wrench, install two 3/8" X 1 9/16"-24NF hex head bolts (3) with 3/8" flat washers (4) and two 3/8"-24NF hex nuts (5) with 3/8" flat washers, as an illustrated aid, there is an arrow on theoutside bracket that will point forward when the bracket has been properly installed.

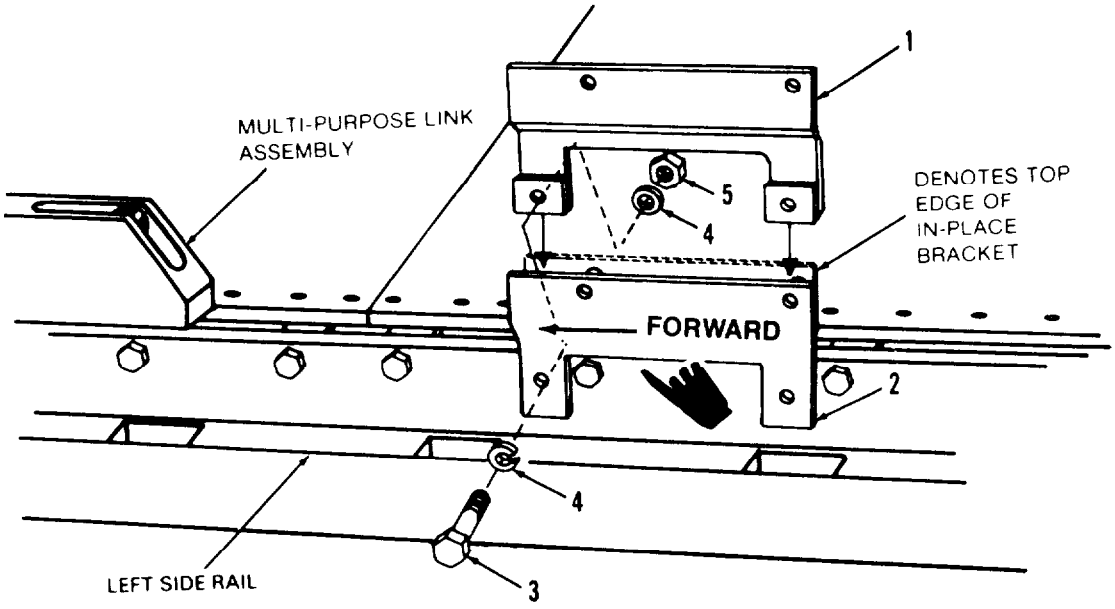
2-6. ASSEMBLY FOR SPECIAL CONFIGURATIONS-Continued

NOTE

See the field manual that applies to the load being dropped to determine the exact location on the side rail to attach the brackets.

NOTE

See the appropriate rigging manual for attaching the extraction force transfer actuator to the brackets.

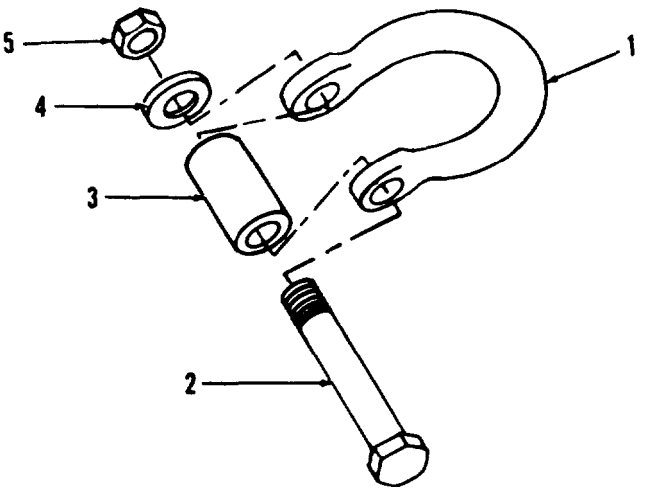


ASSEMBLY OF INSIDE AND OUTSIDE EFTA BRACKETS

2-9. CLEVIS ASSEMBLY

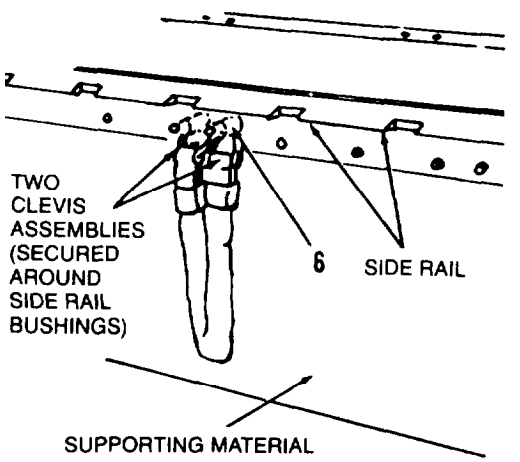
The clevis assembly is a minor component of the type V airdrop platform used in all modes of airdrop. The clevis assembly consists of a clevis (1), one 7/16" x 2 31/32"-20NF hex head bolt (2), spacer (3), one 7/16" flat washer (4) and a 7/16"-20NF hex nut (5).

2-9. CLEVIS ASSEMBLY—Continued

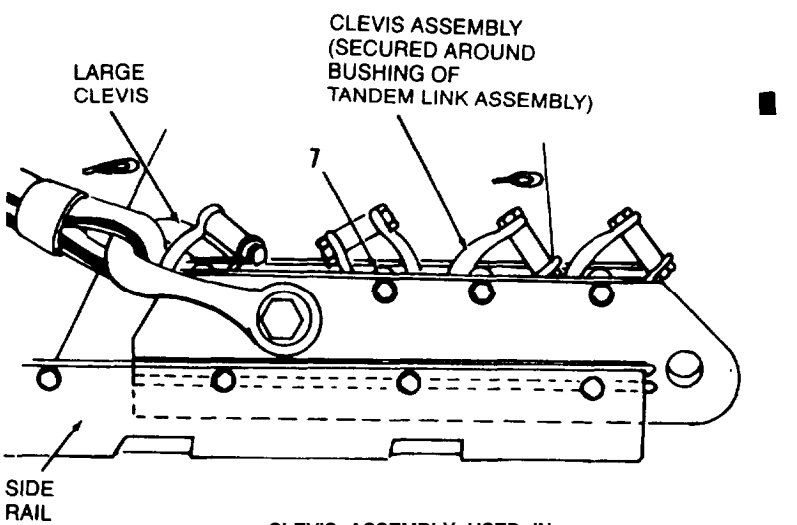


EXPLODED VIEW OF TIEDOWN CLEVIS ASSEMBLY

It is secured around a side rail bushing and may be used in pairs on a side rail bushing. It is also secured around a spacer installed within a tandem link assembly. Both applications of the clevis assembly, are illustrated below.



CLEWS ASSEMBLIES USED FOR LIFTING PLATFORM



CLEVIS ASSEMBLY USED IN BRIDLE RIGGING

2-9. CLEVIS ASSEMBLY-Continued

To install the clevis assembly:

Use a 9/16-inch wrench to remove the clevis hex nut (1), washer (2), hex head bolt (3), and spacer (4) and hook the clevis (5) around a bushing (6) and (7).

NOTE

If a load binder hook is to be attached directly to the clevis, do not replace the spacer.

NOTE

Each tandem link assembly has space for four clevis assemblies.

2-10. AFTER USE RECEIPT

Used type V airdrop equipment will be processed as prescribed in paragraph 2-12.

Section III. PREVENTIVE MAINTENANCE CHECKS AND SERVICES

2-11. GENERAL

a. The type V airdrop platform must be inspected at prescribed intervals to determine serviceability.

b. The two types of inspections normally performed on airdrop equipment are rigger-type and routine.

c. All defects discovered during inspection, together with the corrective action taken, will be recorded on appropriate forms (see DA PAM 733-750) at the earliest possible opportunity.

d. Before Use. Always keep in mind the CAUTIONS and WARNINGS. Perform the before (B) PMCS.

e. After Use. Be sure to perform the after (A) PMCS.

f. If the Equipment Fails to Operate Properly. Report any deficiencies using the forms prescribed in DA PAM 738-750.

2-12. CHECKS AND SERVICES

a. Table 2-1 contains a tabulated listing of organizational preventive maintenance checks and services which must be performed by a qualified rigger. The items are listed consecutively and the numbers indicate the sequence of minimum Inspection requirements. The types and intervals of inspection required for the platform are as follows:

(1) Routine inspection: before and after operation.

(2) Rigger-type Inspection: before rigging, and before and after maintenance.

b. Observe the following WARNINGS and CAUTIONS when performing the preventive maintenance checks and services.

WARNING

Never walk or crawl beneath raised platforms.

WARNING

Use extreme care when lifting or handling platforms. The type V platform weighs approximately 100 pounds per foot of length.

WARNING

Use proper equipment for lifting and supporting platform.

CAUTION

Use care not to damage the side rail notches when turning the platform over.

c. Cleaning. Clean the platform before performing the organizational preventive checks and services, as follows:

(1) Remove debris with a dry stiff bristle brush.

(2) Remove dirt and grease with a soap solution composed of one-half cup of dishwashing detergent per gallon of water. Rinse with clean water. Wipe dry with a clean cloth.

(3) Remove corrosion with a crocus cloth.

Table 2-1. Preventive Maintenance Checks and Services

B-Before Operations A-After Operations

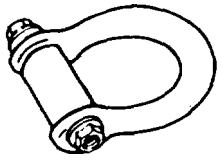
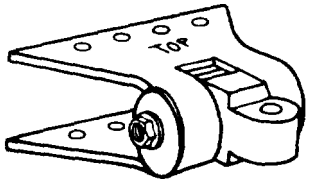
Item No.	Interval B	Interval A	Item to be Inspected Procedure	Equipment is not ready/available if:
1	●	●	Clevis Assembly. Bends, cracks. burrs, corrosion. foreign material. grease. dirt, defective or missing bolt, stripped threads. missing spacers. missing nuts. Refer to para. 2-15 for corrective action. 	Defective clevis, bolt, spacer or nut. Missing bolt, spacer or nut.
2	●	●	Extraction Bracket Assembly. Check to see that lug is present and moves freely. Check that bolts are tight and that bolts, washers, and nuts are present. Check for cracks. Refer to para. 2-16 for corrective action. 	Lug is defective or missing. Bolts, washers or nuts are missing. Bracket has cracks.

Table 2-1. Preventive Maintenance Checks and Services—Continued

B-Before Operations A-After Operations

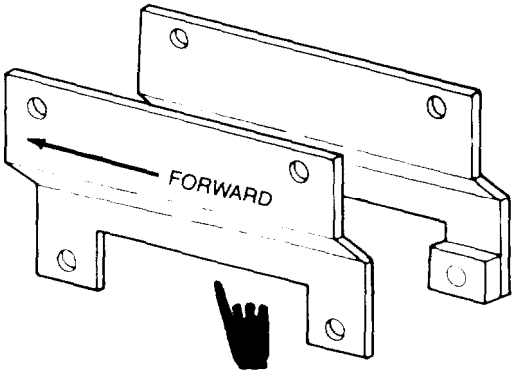
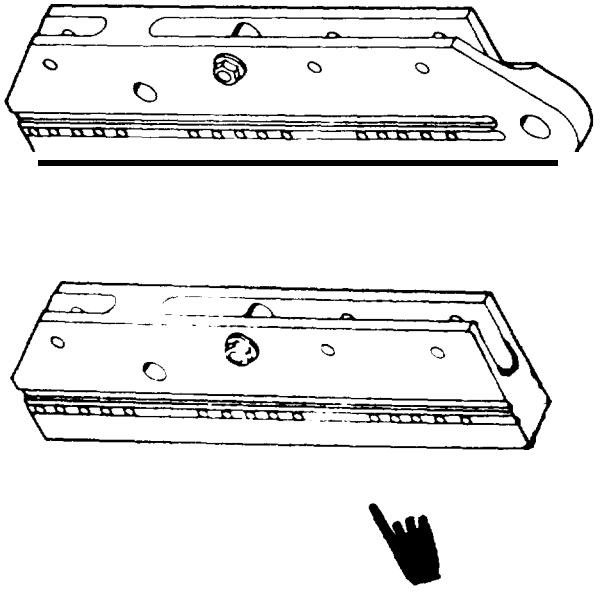
Item No.	Interval B	Interval A	Items to be Inspected Procedure	Equipment is not ready/available if:
3	•	•	EFTA Brackets, Inside and Outside. Bent, broken, or cracked. Check for rust. See that bolts are tight and threads not stripped, broken or bent. Refer to para. 2-17 for corrective action. 	Missing or defective nuts, bolts and washers. Bent or cracked.
4	•	•	Tandem and Suspension Link Assembly. Check to see that bolts are tight, and are not stripped, bent, burred, cracked or corroded. Check that all spacers are present. Refer to para. 2-16 for corrective action. 	Stripped threads on bolts or nuts. Missing bolts, spacers, washers and nuts. Cracks in bracket, bolts, spacers and nuts.

Table 2-1. Preventive Maintenance Checks and Services—Continued

B-Before Operations A-After Operations

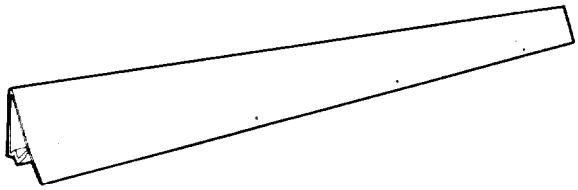
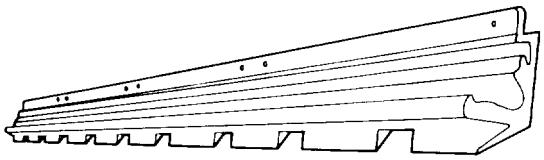
Item No.	Interval B	Interval A	Items to be Inspected Procedure	Equipment is not ready/available if:
5	●	●	Nose Bumper. Inspect for bent, buckled. broken, or cracked bumper. Check for punctured surfaces. and for a bent or broken flange. Make certain that the nose bumper is correctly fastened to the first main panel of the platform. Refer to para. 2-19 for corrective action. 	Defective or not correctly fastened to the first main panel.
6	●	●	Side Rail. Check for bent, broken, cracked, burred, or corroded side rail of platform. inspect for a bent or broken flange. Check to see that bolts are tight and are not stripped, bent, burred, cracked or corroded and that no more than one bolt per panel is missing. No two adjacent missing bolts are allowed. Refer to para. 2-20 for corrective action. 	Side rail is bent or bowed

Table 2-1. Preventive Maintenance Checks and Services—Continued

B-Before Operations A-After Operations

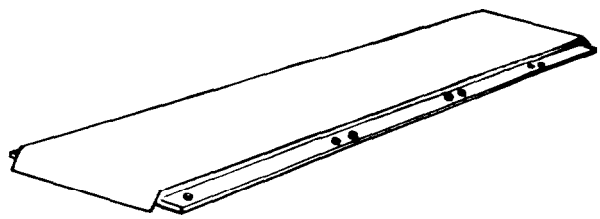
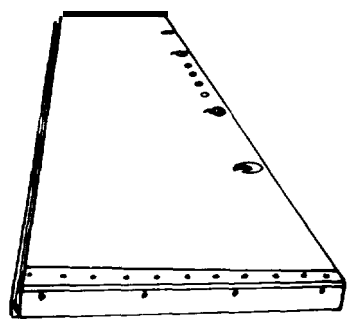
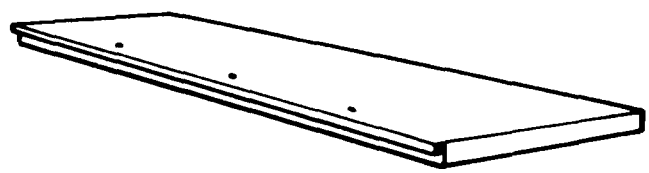
Item No.	Interval B	Interval A	Items to be Inspected Procedure	Equipment is not ready/available if:
7	●	●	Roller Pad. Inspect for broken, cracked or corroded roller pads. Check that each pad is correctly fastened (one bolt per panel may be missing) with no torn edges protruding downward and is not bowed to the extent of forcing the air-drop platform to bow or twist. Make certain that there are no punctures or torn areas larger than 2 inches in diameter Refer to para. 2-21 for corrective action. 	Has puncture(s) or torn area(s) larger than 2 inches in diameter.
8	●	●	Rear Panel Assembly Inspect for bent, burred or corroded tiedown rings. Make certain the panel is not bowed mote than 1 inch along the 103-inch line nor mole than 1/16-inch along the 24-Inch line Make certain the panel does not have punctured or torn areas lat ger than 6 inches in diameter Check for damaged or missing floating nuts Refer to para. 2-22 for corrective action. 	Panel is bowed more than 1 inch along the 103-inch line or more than 1/16 inch along the 24-inch line Panel has puncture(s) or torn area(s) larger than 6 inches in diameter

Table 2-1. Preventive Maintenance Checks and Services—Continued

B-Before Operations A-After Operations

Item No.	Interval B	Interval A	Items to be Inspected Procedure	Equipment is not ready/available if:
9	●	●	Main Panel Assembly. Inspect for bent, burred corroded tiedown rings. Make certain the panel is n bowed more than 1 inch along the 103-inch line nor mo than 1/16-inch along the 24-inch line. Make certain the panel does not have punctured or torn areas larger thar inches in diameter. Check for damaged or missir floating nuts. Refer to para. 2-23 for corrective action. 	Panel is bowed more than 1 inch along the 103-inch line or more than 1/16inch along the 24-inch line. Panel has puncture(s) or torn area(s) larger than 6 inches in diameter.
10	●	●	Component Items: Bushings, Nuts, Bolts and Washers. Check to see that all bolts are tight and are not stripped,ed, bent, broken, corroded or missing. Tighten loose bolts and replace defective or missing items.	There are missing or defective bushings, nuts. bolts and washers.

Section IV. MAINTENANCE PROCEDURES

INDEX

2-13. GENERAL INFORMATION

a. This section contains maintenance procedures that are the responsibility of the organizational technician as authorized by the Maintenance Allocation Chart (MAC) and the Source, Maintenance, and Recoverability (SMR) coded items that are identified in the repair parts and special tools list (RPSTL).

b. While performing maintenance on the platform, it should be supported at proper height, or placed on a flat level surface.

2-14. GENERAL SAFETY PROCEDURES

For all maintenance procedures, extreme caution must be used in lifting or handling the type V platform. Adherence to the following safety procedures applies:

- Never walk or crawl beneath raised platforms.
- Use proper equipment for lifting platforms.
- Use proper supporting material to have platforms at proper height.
- Do not use fingers to align bolt holes.
- When lifting platforms, attach safety strap to each lower corner to use in guiding the platform.

2-15. CLEVIS ASSEMBLY - MAINTENANCE INSTRUCTIONS

This task covers:

a. Removal

b. Cleaning, Inspection, and Replacement

c. Installation

INITIAL SETUP

Applicable Configurations

All

Materials/Parts

- Replacement parts from stock, as required.
- Dishwashing compound, Item 1, Appendix D.

Personnel Required

MOS 43E (10), Parachute Rigger (2 or 3 persons)

General Safety Instructions

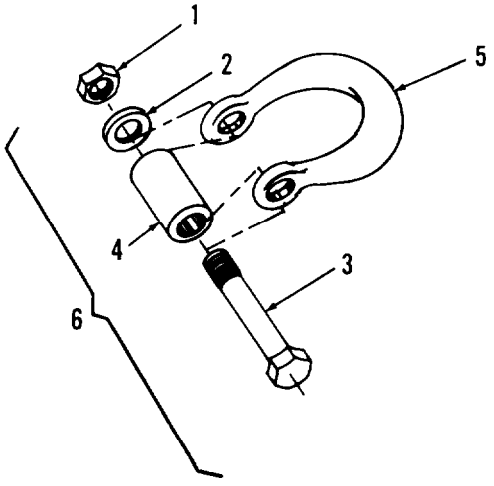
Observe all Warnings and Cautions.

2-15. CLEVIS ASSEMBLY-MAINTENANCE INSTRUCTIONS-Continued

LOCATION/ITEM	ACTION	REMARKS
REMOVAL/DISASSEMBLY		
1. Individual clevis assembly components: Self-locking nut (1) Flat washer (2) Bolt (3) Spacer (4) Clevis body (5)	Remove.	
CLEANING, INSPECTION AND REPLACEMENT		
2. Clevis assembly (6)	a. Remove dirt, grease, and foreign material, using plain water or a solution of detergent and water. Rinse with clean water.	
	b. Wipe dry with a clean cloth.	
	c. Remove burrs by filing.	
	d. Remove corrosion with crocus cloth.	
	e. Inspect for: • Wear • Cracks • Excessive corrosion • Deformation	
	f. Replace parts that show any of the defects identified in (2e.).	Replace clevis assembly (6) if clevis body (5) is unserviceable.

2-15. CLEVIS ASSEMBLY - MAINTENANCE INSTRUCTIONS - Continued

LOCATION/ITEM	ACTION	REMARKS
REASSEMBLY AND INSTALLATION		
3. Spacer (4)	Position between ends of clevis body (5).	
4. Bolt 13)	Install in descending numerical order.	
Washer (2)		
Nut (1)		



1 SELF-LOCKING NUT
2 FLAT WASHER
3 BOLT
4 SPACER
5 CLEVIS BODY
6 CLEVIS ASSEMBLY

CLEVIS ASSEMBLY, REASSEMBLY & INSTALLATION

2-16. EXTRACTION BRACKET ASSEMBLY - MAINTENANCE INSTRUCTIONS

This task covers:

a. Removal

b. Cleaning,Inspection,,andReplacement

c. Installation

INITIAL SETUP

Applicable Configurations

ALL

Materials/Parts

- As required
- Replacement parts from stock

Personnel Required

MOS 43E (10). Parachute Rigger (2 or 3 persons)

General Safety Instructions

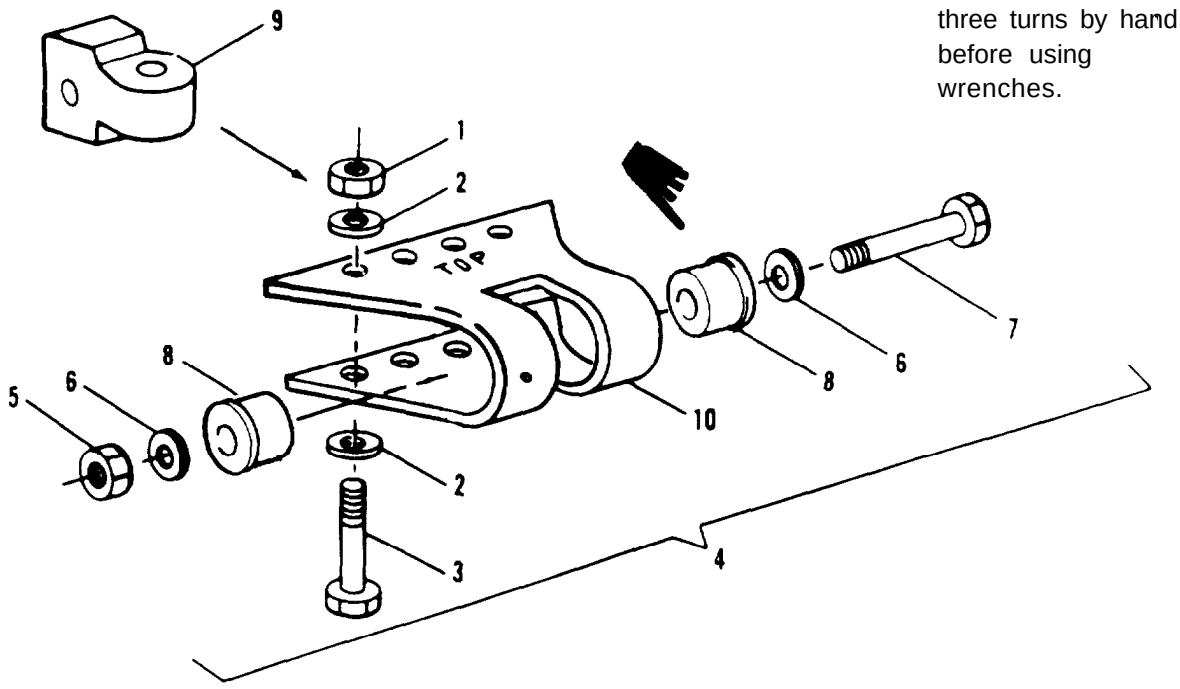
Observe all warnings and cautions

2-16. EXTRACTION BRACKET ASSEMBLY-MAINTENANCE INSTRUCTIONS-Continued

LOCATION/ITEM	ACTION	REMARKS
REMOVAL		
1. Individual extraction bracket assembly components: 4 Self-locking nuts (1), 8 Flat washers (2), and 4 Bolts (3) securing extraction bracket assembly (4) to platform.	Remove.	
2. Self-locking nut (5) 2-Flat washers (6) Bolt (7) 2-Bushings (8)	Remove.	
3. Lug (9)	Remove.	
4. Frame (10)	Remove.	
CLEANING, INSPECTION AND REPLACEMENT		
5. Extraction bracket assembly (4) and attaching parts (1), (2), and (3).	a. Remove dirt, grease, and foreign material, using plain water or a solution of detergent and water. Rinse with clean water.	
	b. Wipe dry with a clean cloth.	
	c. Remove burrs by filing.	
	d. Remove corrosion with crocus cloth.	
	e. Inspect for: • Wear • Cracks • Excessive corrosion • Deformation	
	f. Replace parts that show any of the defects identified in (Se.).	Replace extraction bracket assembly if lug does not move freely.

2-16. EXTRACTION BRACKET ASSEMBLY - MAINTENANCE INSTRUCTIONS - Continued 1

LOCATION/ITEM	ACTION	REMARKS
INSTALLATION		
6. Lug (9)	Position in frame (10).	
7. 2 bushings (8), bolt (7) 2 flat washers (6) self-locking nut (5)	Install in lug (9).	
8. 4 self-locking nuts (1) 8 flat washers (2) and 4 bolts (3)	Secure extraction bracket assembly (4) to platform.	a. Use punch to align bolt holes in bracket with matching holes in platform panel. b. Start bolts two or three turns by hand before using wrenches.



1 - SELF LOCKING NUT
2 - FLAT WASHER
3 - HEX HEAD BOLT
4 - EXTRACTION BRACKET
5 - SELF-LOCKING NUT
6 - FLAT WASHER
7 - HEX HEAD BOLT
8 - BUSHING
9 - LUG
10 - FRAME

EXTRACTION BRACKET

2-17. INSIDE AND OUTSIDE EXTRACTION FORCETRANSFER ACTUATOR(EFTA) BRACKETS - MAINTENANCE INSTRUCTIONS

This task covers:

a. Removal

b. Cleaning, Inspection, and Replacement

c. Installation

INITIAL SETUP

Applicable Configurations

All

Materials/Parts

- Brush, scrub
- Cloth, Crocus
- Dishwashing Compound, Item 1, Appendix D.
- File, Mill
- Rag, Item 2, Appendix D.
- Replacement parts from stock, as required.

Personnel Required

MOS 43E (10), Parachute Rigger.

General Safety Instructions

Observe All Warnings and Cautions

2-17. INSIDE AND OUTSIDE EXTRACTION FORCE TRANSFER ACTUATOR (EFTA) BRACKETS—MAINTENANCE INSTRUCTIONS—Continued

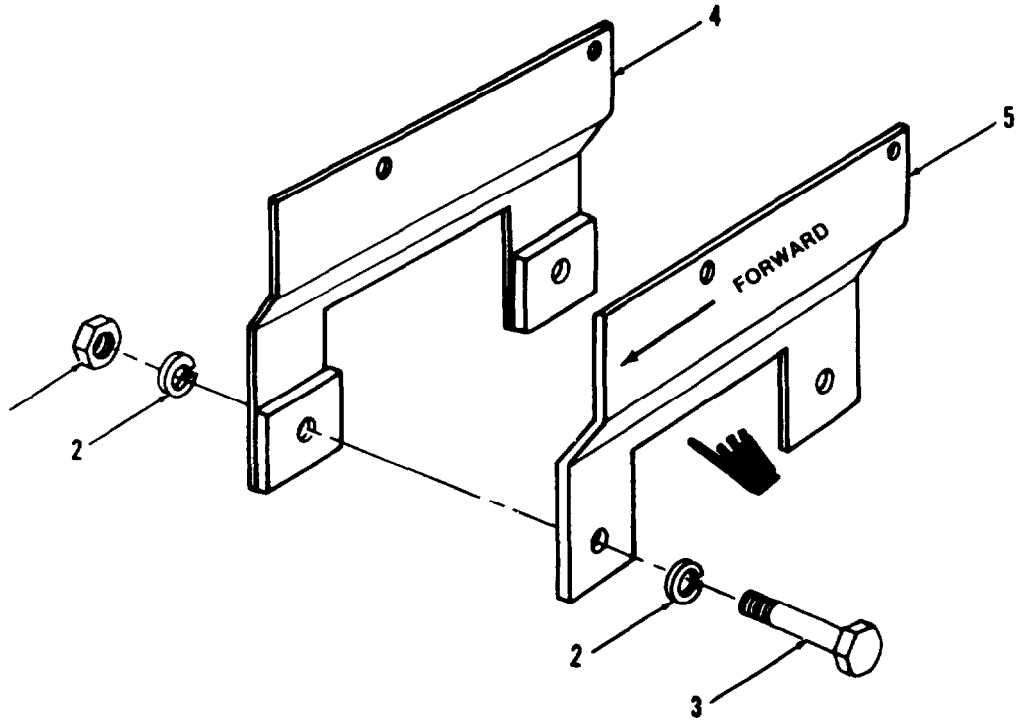
LOCATION/ITEM	ACTION	REMARKS
REMOVAL		
1. 2-Self-locking nuts (1) 4-Lock washers (2) 2-Hex head bolts (3) securing inside EFTA bracket (4) and outside EFTA bracket (5) to platform.	Remove.	
CLEANING, INSPECTION AND REPLACEMENT		
2. Inside EFTA bracket (4) and Outside EFTA bracket (5) with attaching parts (1), (2) and (3).	a. Remove dirt, grease, and foreign material, using plain water or a solution of detergent and water. Rinse with clean water.	
	b. Wipe dry with a clean cloth.	
	c. Remove burrs by filing.	
	d. Remove corrosion with crocus cloth.	
	e. Inspect for: • Wear • Cracks • Excessive corrosion • Bends	
	f. Replace parts that show any of the defects identified in (2e.).	Replace unrepairable parts.

2-17. INSIDE AND OUTSIDE EXTRACTION FORCE TRANSFER ACTUATOR (EFTA) BRACKETS—MAINTENANCE INSTRUCTIONS—Continued

LOCATION/ITEM	ACTION	REMARKS
INSTALLATION		
3. Inside EFTA bracket (4) and Outside EFTA bracket (5)	Position inside bracket (4) and outside bracket (5) on platform. Use a punch to align the bracket bolt holes with the matching side rail platform holes.	Outside bracket (5) can be identified by larger size and an arrow pointing forward stenciled on outer side.
4. 2-Hex head bolts (3) 4-Lock washers (2) and 2-Hex nuts (1)	Secure inside bracket (4) and outside bracket (5) to platform.	a. Use a punch to align bolt holes of bracket with platform. b. Start bolts two or three turns by hand before using wrenches.

NOTE

Brackets (4) and (5) must be Installed on the left side rail only.



EFTA BRACKETS

2-16. TANDEM/SUSPENSION LINK ASSEMBLY—MAINTENANCE INSTRUCTIONS

This task covers:

a. Removal

b. Cleaning, Inspection, and Replacement

c. Installation

INITIAL

Applicable Configurations

All

Materials/Parts

- Brush, scrub
- Cloth, Crocus
- Dishwashing Compound, Item 1, Appendix D.
- File, Mill
- Rag, Item 2, Appendix D.
- Replacement parts from stock, as required.

SETUP

Personnel Required

MOS 43E (10), Parachute Rigger (2 or 3 persons)

General Safety Instructions

Observe All Warnings and Cautions

2-16. TANDEM/SUSPENSION LINK ASSEMBLY-MAINTENANCE INSTRUCTIONS-Continued

LOCATION/ITEM	ACTION	REMARKS
REMOVAL		
1. 3-Hex head bolts (1) 3-Flat washers (2) and Tandem/Suspension link assembly (3)	Remove.	
2. 4-Self-locking nuts (4) 8-Flat washers (5) 4-Hex head bolts (6) 4-Bushings (7) from Tandem/Suspension link (8)	Remove.	
CLEANING, INSPECTION AND REPLACEMENT		
3. Tandem/Suspension link assembly (3) and attaching parts (1) and (2).	a. Remove dirt, grease, and foreign material, using plain water or a solution of detergent and water. Rinse with clean water.	
	b. Wipe dry with a clean cloth.	
	c. Remove burrs by filing.	
	d. Remove corrosion with crocus cloth.	
	e. Inspect for: • Wear • Cracks • Excessive corrosion • Deformation	
	f. Replace parts that show any of the defects identified in 3e.	Replace unrepairable parts.

2-18. TANDEM/SUSPENSION LINK ASSEMBLY-MAINTENANCE INSTRUCTIONS-Continued

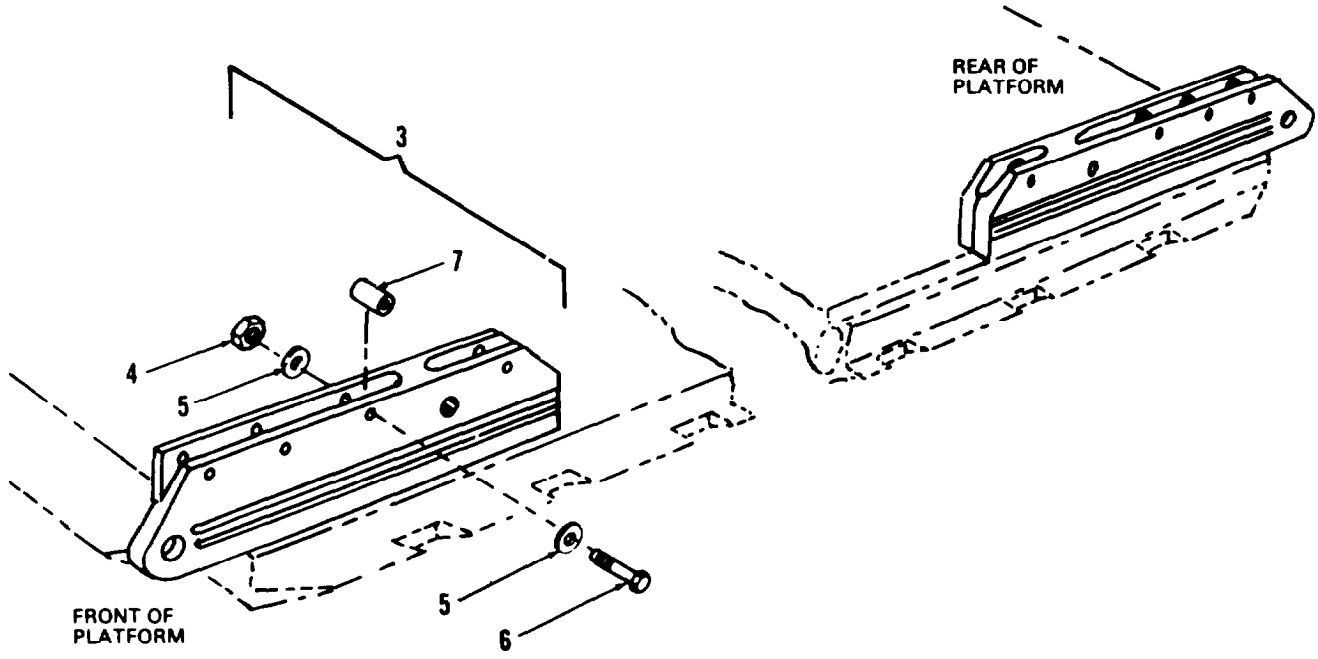
LOCATION/ITEM	ACTION	REMARKS
REASSEMBLY AND INSTALLATION		
4. 4-Bushings (7)	Position tandem/suspension link assembly (3) in place on platform and secure with washers (2) and bolts (1).	
5. 4-Hex head bolts (6) 8-Flat washers (5) 4-Self-locking nuts (4)	Install.	Start the bolts two or three turns by hand before tightening with wrenches.
6. 3-Hex head bolts (1) and 3-Flat washers (2)	Position tandem/suspension link assembly (3) in place on platform and secure with flat washers (2) and hex head bolts (1).	a. Use punch to align bolt holes in tandem/suspension link assembly with matching holes in platform side rail. b. Start the bolts two or three turns by hand before tightening with wrenches.

NOTE

The first of the five holes in each of the three groups in the tandem/suspension link is used for the 8-foot platform. Refer to para. 2-8b for larger size platforms.

2-18. TANDEM/SUSPENSION LINK ASSEMBLY—MAINTENANCE INSTRUCTIONS—Continued

REASSEMBLY AND INSTALLATION—Continued



2-19. NOSE BUMPER—MAINTENANCE INSTRUCTIONS

This task covers:

a. Removal

b. Cleaning, Inspection, and Replacement

C. Installation

INITIAL SETUP

Applicable Configurations

All

Materials/Parts

- Replacement parts from stock
- Dishwashing detergent, Item 1, Appendix D
- Rag, Item 2, Appendix D

Personnel Required

MOS 43E (10), Parachute Rigger (2 or 3 persons)

General Safety Instructions

Observe All Warnings and Cautions

2-19. NOSE BUMPER-MAINTENANCE INSTRUCTIONS-Continued

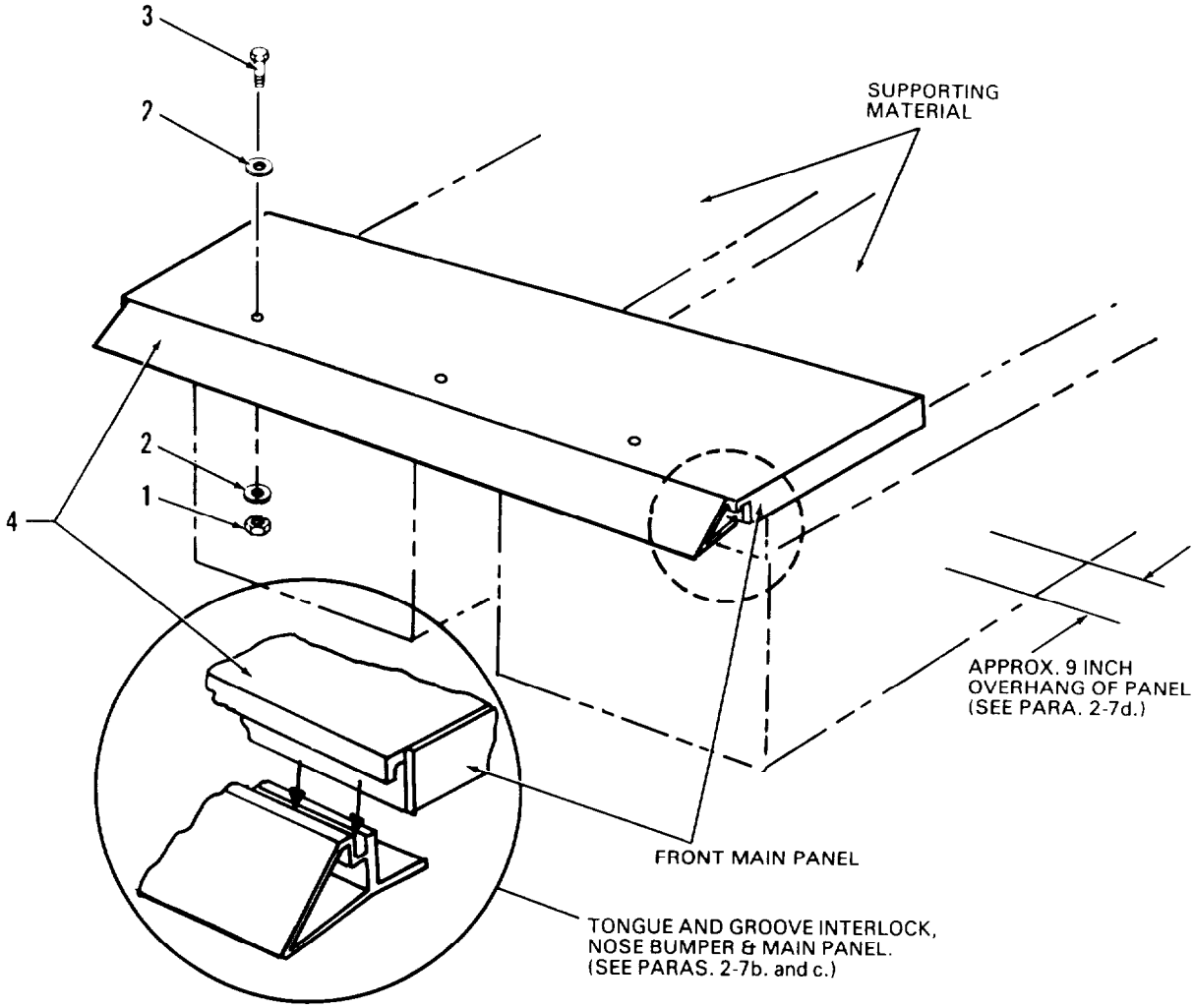
LOCATION/ITEM	ACTION	REMARKS
REMOVAL		
1. 3-Self-locking nuts (1) 6-Flat washers (2) 3-Hex head bolts securing nose bumper (4) to platform.	Remove.	Detaching the nose bumper (3) tongue and groove interlock may be made easier by slightly lowering it.
CLEANING, INSPECTION AND REPLACEMENT		
2. Nose bumper (4) and attaching parts (1), (2), and (3).	a. Remove dirt, grease, and foreign material, using plain water or a solution of detergent and water. Rinse with clean water.	
	b. Wipe dry with a clean cloth.	
	C. Remove burrs by filing.	
	d. Remove corrosion with crocus cloth.	
	e. Inspect for: • Wear • Cracks • Excessive corrosion • Bends	
	f. Replace parts that show any of the defects identified in 2e.	Replace unrepairable parts.

2-19. NOSE BUMPER - MAINTENANCE INSTRUCTIONS—Continued

LOCATION/ITEM	ACTION	REMARKS
INSTALLATION		
3. Nose bumper (4)	Position nose bumper (4) in place on platform with tongue-in-groove interlock at leading edge of front main panel.	See para. 2-7(3)
4. 3 - Hex head bolts (3) 6 - Flat washers (2) 3.- Self-locking nuts (1)	Install.	a. Use punch to align bolt holes of nose bumper with front panel. b. Install bolts through panel first c. Start the bolts two or three turns by hand before tightening with wrenches.

2-19. NOSE BUMPER—MAINTENANCE INSTRUCTIONS—Continued

INSTALLATION—Continued



TONGUE AND GROOVE INTERLOCK, NOSE BUMPER & MAIN PANEL

2-20. SIDE RAIL—MAINTENANCE INSTRUCTIONS

This task covers:

a. Removal

b. Cleaning, Inspection, and Replacement

c. Installation

INITIAL SETUP

Applicable Configurations

All

Special Tools

- Forklift
- 3-foot suspension sling

Materials/Parts

- Brush, scrub
- Cloth. Crocus
- Dlshwashing Compound. Item 1, Appendix D
- File, MilI
- Rag, Item 2, Appendix D.
- Replacement parts from stock, as required

Personnel Required

MOS 43E (10), Parachute Rigger (2 or 3 persons)

General Safety Instructions

Observe All Warnings and Cautions

2-20. SIDE RAIL—MAINTENANCE INSTRUCTIONS—Continued

LOCATION/ITEM	ACTION	REMARKS

REMOVAL

NOTE

If the platform is positioned bottomside up on the supporting material, do not turn it over unless necessary. Omit step 3 of maintenance instructions in those cases where the bottomside up positioning exists.

1. Side rail bolts(l), Flat washers (2) and side rail bushings (3) securing each of two side rails (6) to platform.	Loosen each side rail bolt about one-quarter inch of thread length.	Work from either end of side rail (6) toward the center. Multi-purpose links and side rail clevises removed.

NOTE

The number of side rail bolts (1), flatwashers (2), and side rail bushings will vary depending on the size of the platform. Refer to Table 2-2 at the end of this paragraph for required quantities.

2. Side rail/outboard roller pad bolts (4), and flat washers (5) securing side rail (6) to platform.	Loosen each bolt about one-quarter inch.	Work from either end of the side rail (6) toward the center.

WARNING

The platform weighs approximately 100 pounds per foot of length. To avoid injury to personnel, use extreme caution in lifting and handling. Never walk near or crawl beneath raised platforms.

2-20. SIDE RAIL—MAINTENANCE INSTRUCTION—Continued

LOCATION/ITEM	ACTION	REMARKS
	CAUTION **In turning the platform over, be careful not to damage the side rail notches. Short pieces of two-by-fours or plywood should be used to prevent the rail edges from contacting a concrete floor or other hard surface while the platform is being turned over.**	
3 . Platform	Turn bottomside up.	
4. Side rail bolts (1) flat washers (2) and side rail bushings (3) securing each side rail (6) to platform.	Remove.	Remove bushings by sliding to either end of side rail (6) and pulling out.
5. Side rail/outboard roller pad bolts (4) and flat washers (5) securing each side rail (6) to platform.	Remove.	
CLEANING, INSPECTION AND REPLACEMENT		
6. Side rail (6) and attaching parts (1), (2), (3), (4), and (5).	a. Remove dirt, grease, and foreign material, using plain water or a solution of detergent and water. Rinse with clean water.	
	b. Wipe dry with a clean cloth.	
	c. Remove burrs by filing.	
	d. Remove corrosion with crocus cloth.	
	e. Inspect for: • Wear • Cracks • Excessive corrosion • Bends • Bow	
	f. Replace parts that show any of the defects identified in (6e).	Select side rail (4) the same length as the associated panels.

2-20. SIDE RAIL—MAINTENANCE INSTRUCTIONS—Continued

LOCATION/ITEM	ACTION	REMARKS
INSTALLATION		
7. Side rail (6).	Position along side of platform, overlapping roller pad.	
8. Side rail/outboard roller pad bolts (4) and flat washers (5).	Start each bolt two or three turns by hand, then follow by tightening to within one-quarter inch.	

NOTE

Do not hammer bolts to start them when attaching the side rail.

9. Side rail bolts (1) flat washers (2), and side rail bushings (3).	Install, tightening bolts to within one-quarter inch of being tight.	

WARNING

The platform weighs approximately 100 pounds per foot of length. To avoid injury to personnel, use extreme caution in lifting and handling. Never walk near or crawl beneath raised platform.

CAUTION

In turning the platform over, be careful not to damage the side rail notches. Short pieces of two-by-fours or plywood should be used to prevent the rail edges from contacting a concrete floor or other hard surface while the platform is being turned over.

11. Platform	a. Turn right side up. b. Position on supporting material.	
12. Side rail bolts(l), and flat washers (2).	Tighten fully, working from the center toward each end of platform.	
13. Side rail/outboard roller pad bolts (4) and flat washers (5).	Tighten fully.	

2-20. SIDE RAIL, LEFT AND/OR RIGHT—MAINTANCE INSTRUCTIONS—Continued

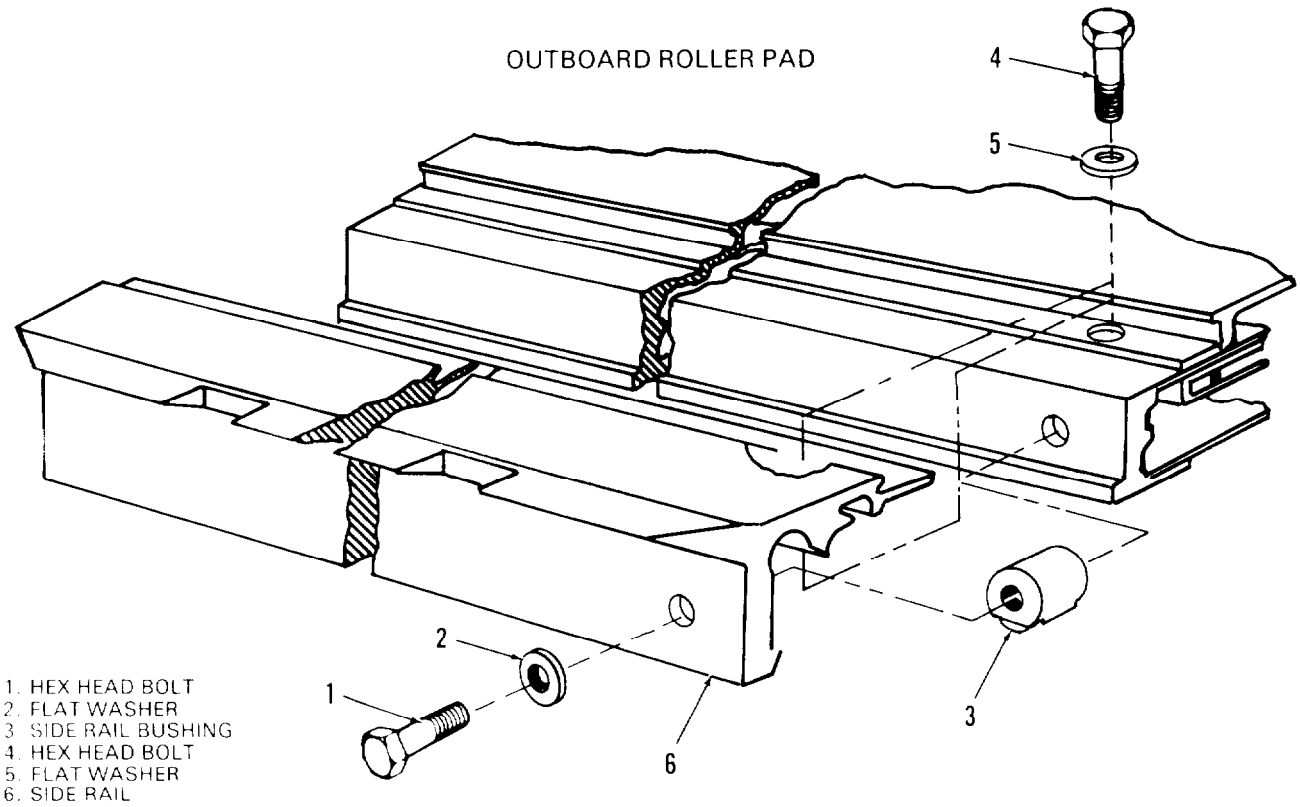
LOCATION/ITEM	ACTION	REMARKS

Table 2-2. Bolts. Washers, and Bushings Used on Side Rail

Length of Platform							Component
8 Ft.	12 Ft.	16 Ft.	20 Ft.	24 Ft.	28 Ft.	32 Ft.	
16	24	32	40	48	56	64	Side rail bolts
8	12	16	20	24	28	32	Side rail/outboard roller pad bolts
24	36	48	60	72	84	94	Flat washers
16	24	32	40	48	56	62	Side rail bushings

NOTE

Each multi-purpose link assembly, when installed on the platform, replaces 3 side rail bushings.



SIDE RAIL, INSTALLATION

2-21. ROLLER PAD—MAINTENANCE INSTRUCTIONS

This task covers:

a. Removal

b. Cleaning, Inspection, and Replacement

c. installation

INITIAL SETUP

Applicable Configurations

All

Materials/Parts

- Replacement parts from stock
- Dishwashing detergent, Item 1, Appendix D
- Rag, Item 2, Appendix D.

Personnel Required

MOS 43E (10), Parachute Rigger (2 or 3 persons)

General Safety Instructions

Observe All Warnings and Cautions

NOTE

To remove the outboard roller pads, the side rail may need to be removed from the platform.

2-21. ROLLER PAD—MAINTENANCE INSTRUCTIONS—Continued

LOCATION/ITEM	ACTION	REMARKS
REMOVAL		
1. Bolts (1) and flat washers (2) securing the roller pad (3) to platform.	Remove.	
	NOTE **The number of bolts and washers will vary depending on the size of the platform.**	
CLEANING, INSPECTION AND REPLACEMENT		
2. Roller pad (3) and attachment parts (1) and (2).	a. Remove dirt, grease, and foreign material, using plain water or a solution of detergent and water. Rinse with clean water.	
	b. Wipe dry with a clean cloth.	
	c. Remove burrs by filing	
	d. Remove corrosion with crocus cloth	
	e. Inspect for: • Wear • Cracks • Excessive corrosion • Bends • Bow	a. Replace roller pad if punctures or torn areas exceed 2 inches in diameter.
	f. Replace parts that show any of the defects identified in (2e).	b. Replace roller pad if any torn areas protrude downward.
INSTALLATION		
3. Roller pad (3).	Position on platform with nose skid end forward.	

2-21. ROLLER PAD—MAINTENANCE INSTRUCTIONS—Continued

LOCATION/ITEM	ACTION	REMARKS
INSTALLATION - Continued		
4. Bolts (1) and flat washers (2)	Install.	a. Use a punch to align bolt holes in roller pad with floating nuts along edges of panels b. Start bolts two or three turns by hand before using wrenches.

NOTE

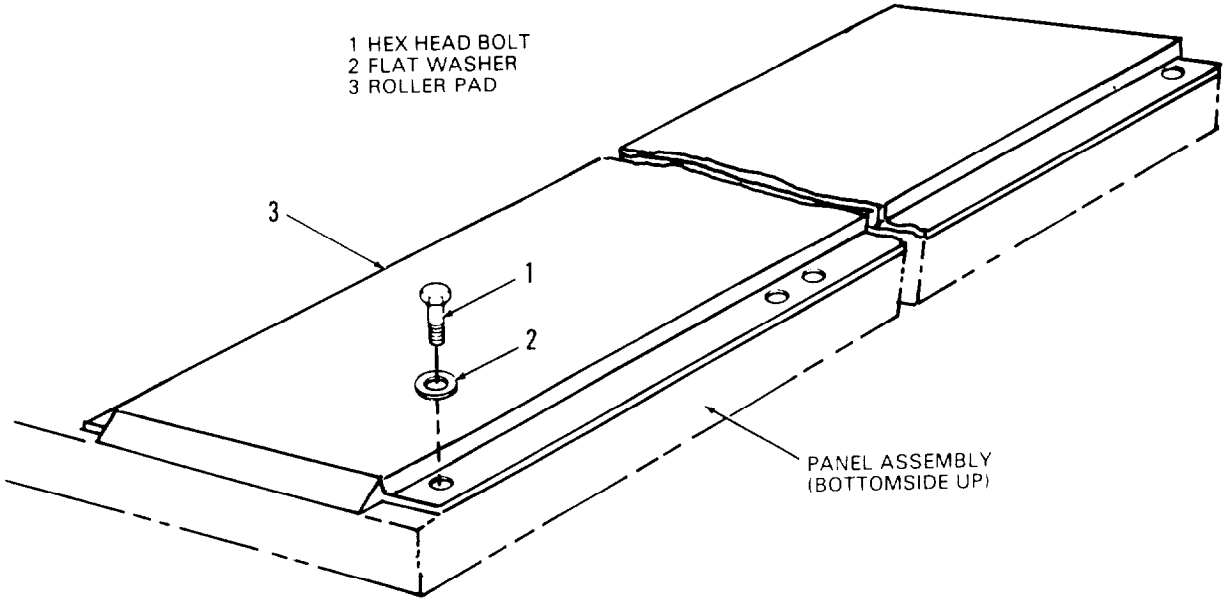
If the roller pad is an outboard roller pad, do not install bolts in outboard side until the side rail is in place.

Table 2-3. Number of Bolts and Washers Used in Roller Pads

Type Roller Pad	Length of Platform							Component
	8 Ft.	12 Ft.	16 Ft.	20 Ft.	24 Ft.	28 Ft.	32 Ft.	
Outboard	8	12	16	20	24	28	32	Roller pad bolts
	8	12	16	20	24	28	32	Flat washers
Inboard	16	24	32	40	48	56	64	Roller pad bolts
	16	24	32	40	48	56	64	Flat washers

2-21. ROLLER PAD—MAINTENANCE INSTRUCTIONS—Continued

INSTALLATION—Continued



ROLLER PAD, INSTALLATION

2-22. REAR PANEL ASSEMBLY—MAINTENANCE INSTRUCTIONS

This task covers:

a. Removal

b. Cleaning, Inspection, and Replacement

C. Installation

INITIAL SETUP

Applicable Configurations

All

Materials/Parts

- Brush, scrub
- Cloth, Crocus
- Dishwashing Compound, Item 1, Appendix D.
- File, Mill
- Rag, Item 2, Appendix D.
- Replacement parts from stock, as required.

Personnel Required

MOS 43E (10), Parachute Rigger (2 or 3 persons)

General Safety Instructions

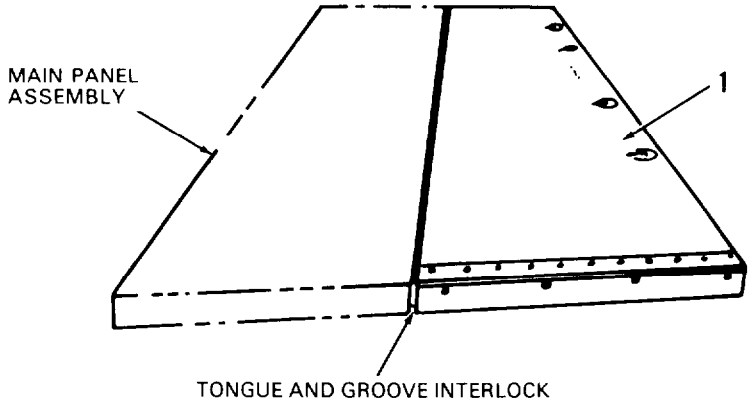
Observe All Warnings and Cautions

2-22. REAR PANEL ASSEMBLY-MAINTENANCE INSTRUCTIONS-Continued

LOCATION/ITEM	ACTION	REMARKS
REMOVAL		
1. Rear panel assembly (1)	Remove.	Platform upside down with side rails and roller pads removed. Slightly raise panel to make disengaging easier.
CLEANING, INSPECTION AND REPLACEMENT		
2. Rear panel assembly (1)	a. Remove dirt, grease, and foreign material, using plain water or a solution of detergent and water. Rinse with clean water.	
	b. Wipe dry with a clean cloth.	
	c. Remove burrs by filing.	
	d. Remove corrosion with crocus cloth.	
	e. Inspect for: • Wear • Cracks • Excessive corrosion • Punctures or torn areas exceeding 6 inches in diameter. • Damaged or missing tiedown rings, floating nuts or rivets. • Deformation	a. Replace rear panel assembly (1) if interlocking tongue and groove is bent or twisted. b. Replace rear panel assembly (1) if it is bowed more than 1/16 inch along the 24-inch line or bowed more than 1-inch along the 103-inch line.
	f. Replace rear panel assembly (1) if it shows any of the defects identified in (2e).	

2-22. REAR PANEL ASSEMBLY - MAINTENANCE INSTRUCTIONS - Continued

LOCATION/ITEM	ACTION	REMARKS
INSTALLATION		
3. Rear panel assembly (1)	a. Position rear panel assembly (1), tiedown rings down and leading edge next to rear edge of platform.	Trailing edge of rear panel assembly (1) has four holes in center.
	b. Install by engaging tonque-and-groove interlock.	Raise slightly to make interlock.



REAR PANEL ASSEMBLY INSTALLATION

2-23. MAIN PANEL ASSEMBLY—MAINTENANCE INSTRUCTIONS

This task covers:

a. Removal

b. Cleaning. Inspection. and Replacement

c. Installation

INITIAL SETUP

Applicable Configurations

All

Materials/Parts

- Replacement parts from stock as required
- Dishwashing detergent, Item 1, Appendix D
- Rag. Item 2. Appendix D

Personnel Required

MOS 43E (10), Parachute Rigger (2 or 3 persons)

General Safety Instructions

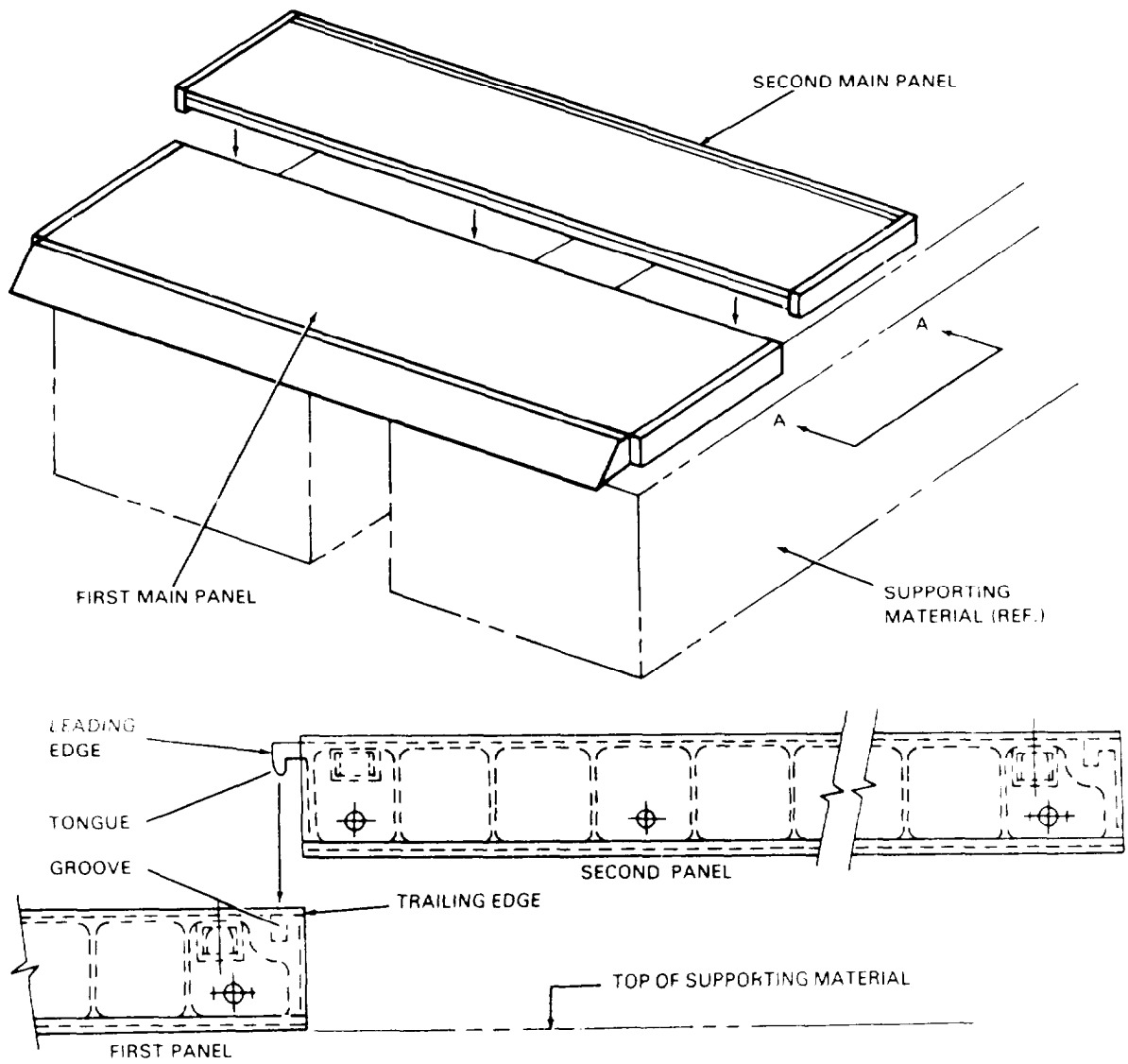
Observe All Warnings and Cautions

2-23. MAIN PANEL ASSEMBLY—MAINTENANCE INSTRUCTIONS—Continued

LOCATION/ITEM	ACTION	REMARKS
REMOVAL		
1. Main panel assembly (1)	Disengage tongue-and-groove interlock.	Platform upside down with side rails and roller pads removed. Begin with the main panel assembly (1) at rear of platform and remove as many panels as necessary to replace a defective panel.
CLEANING, INSPECTION AND REPLACEMENT		
2. Main panel assembly (1)	a. Remove dirt, grease, and foreign material, using plain water or a solution of detergent and water. Rinse with clean water.	Leading edge has the narrow tongue and should face upward.
	b. Wipe dry with a clean cloth.	
	c. Remove burrs by filing.	
	d. Remove corrosion with crocus cloth.	
	e. Inspect for: • Wear • Cracks • Excessive corrosion • Damaged or missing tiedown rings, floating nuts or rivets • Punctures or torn areas more than 6 inches in diameter. • Deformation	Replace main panel assembly (1) if interlocking tongue and groove is bent or twisted.
	f. Replace main panel assembly (1) if it shows any of the defects identified in (2e).	

2-23. MAIN PANEL ASSEMBLY - MAINTENANCE INSTRUCTIONS - Continued

LOCATION/ITEM	ACTION	REMARKS
INSTALLATION		
3. Main panel assembly	a. Position main panel assembly or assemblies in place.	
	b. Engage the tongue-and-groove interlock of each panel with the next panel assembly until all of the panel assemblies have been Installed.	



VIEW A-A

TONGUE & GROOVE INTERLOCK OF PLATFORM PANEL ASSEMBLIES

Section V. PREPARATION FOR STORAGE OR SHIPMENT

2-24. GENERAL STORAGE REQUIREMENTS

To insure that serviceability standards of stored airdrop equipment are maintained. every effort will be exerted to adhere to the following storage requirements:

a. When available, a heated building should be used, however, type V platforms may be stored outside in all types of weather if indoor storage is unavailable. Stack platforms of the same size on top of one another separated by pieces of wood. Stack platforms of different sizes in such a way that the shorter platforms are on top of the larger platforms.

b. Airdrop platforms will be stored in a dry. well-ventilated location and protected from pilferage and fire.

c. Airdrop platforms will not be stored in a manner which would prevent ventilation or interfere with light fixtures. heating vents, fire fighting devices, cooling units exits, or fire doors.

d. Airdrop platforms will not be stored in a damaged or dirty condition.

e. All stored platforms will be marked. segregated. and located for accessibility and easy identification.

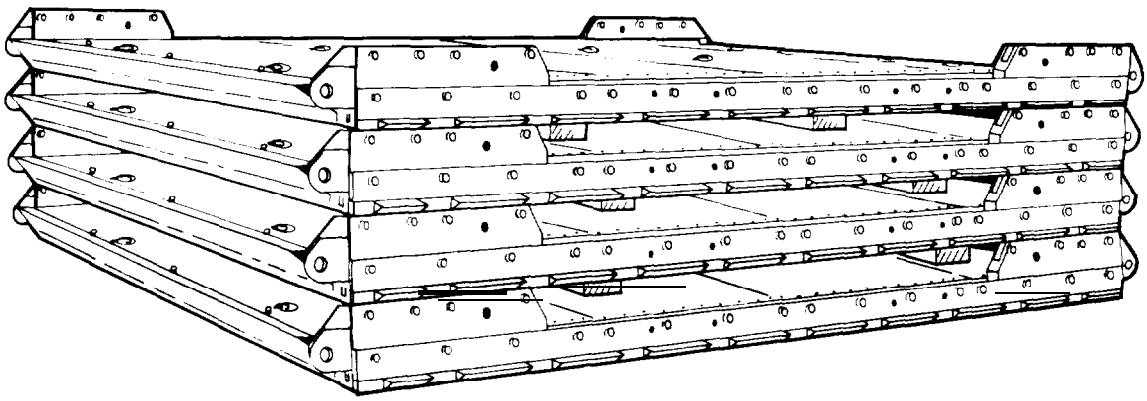
f. Airdrop platforms will not be stored in direct contact with any building floor or wall. Storage will be accomplished using pallets or dunnage to provide airspace between the storage area floor and the equipment.

g. All available materials handling equipment (MHE) should be used as much as possible in the handling of the airdrop platforms.

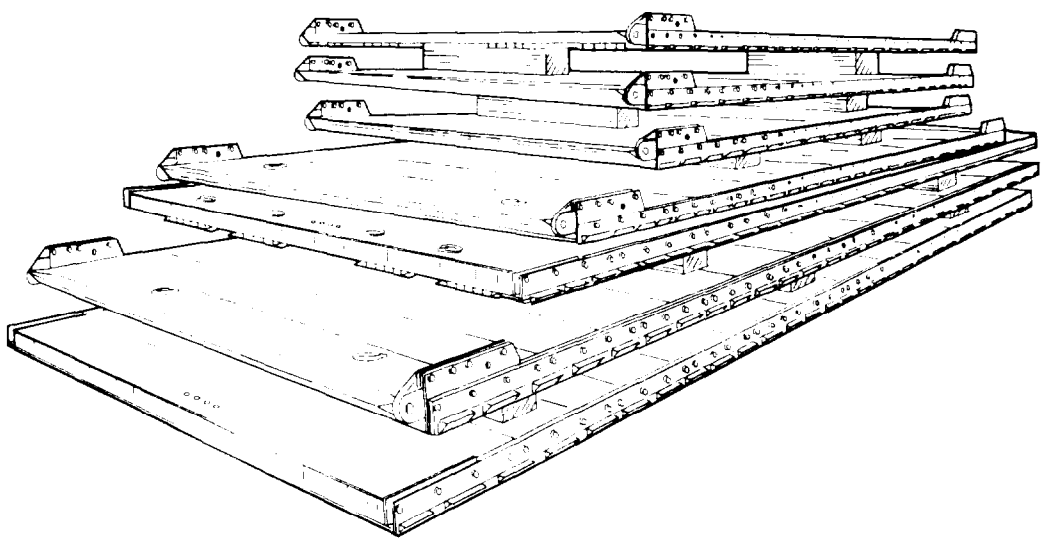
h. Conversion of available space, proper housekeeping policies. and strict adherence to all safety regulations will be practiced at all times.

2-25. ADMINISTRATIVE STORAGE

Administrative storage represents a short term storage period with a duration of 1 to 45 days. It covers storage of equipment which can be prepared for mission performance within 24 hours, Before placing the platforms in administrative storage, perform preventive maintenance checks and services and correct all known deficiencies.



OUTSIDE STORAGE OF ASSEMBLED
12-FOOT TYPE V PLATFORMS



OUTSIDE STORAGE OF ASSEMBLED 16, 20, 24 and 28-FOOT
TYPE V PLATFORMS

2-26. SHIPMENT

a. Initial Shipment.

The initial packaging and shipping of airdrop platforms is the responsibility of item manufacturers who are required to comply with overseas shipping requirements. Except for those airdrop platforms which are unpackaged and subjected to random inspections or testing by a depot activity, type V airdrop platforms received by a using unit will be contained in original packaging materials.

b. Shipping Between Maintenance Activities.

The shipping of airdrop equipment platforms between maintenance activities will be accomplished on a signature verification basis using whatever means of available transportation. Used metal airdrop platforms will be tagged as prescribed in TB 750-126 and placed into a suitable used container. if necessary. Unused type V airdrop platforms will be transported in original shipping containers. During shipment, every effort will be made to protect airdrop items from weather elements, dust. dirt, oil, grease and acids.

c. Other Shipping Instructions.

Type V airdrop platforms destined for domestic or overseas shipment will be packaged and marked in accordance with AR 700-15, TM 38-230-1, and TM 38-230-2. Shipment of airdrop platforms will be accomplished in accordance with AR 55-45.

APPENDIX A

REFERENCES

A-1. SCOPE

This appendix lists all forms field manuals, technical manuals and miscellaneous publications referenced in this manual.

A-2. FORMS

Accident Identification Card	DD Form 518
Equipment Daily or Monthly Log	DD Form 2408-1
Equipment Inspection and Maintenance Work Sheet	DA Form 2404
Maintenance Request	DA Form 2407
Quality Deficiency Report	SF-368
Recommended Changes to DA Publications	DA Form 2028

A-3. ARMY REGULATIONS

Dictionary of United States Army Terms	AR 310-25
Authorized Abbreviations and Brevity Codes	AR 310-50
Military Standard Transportation and Movement Procedures (MILSTAMP)	AR 55-45
Preservation, Packaging, Packing and Marking Items of Supply	AR 700-15
Accounting for Lost, Damaged, and Destroyed Property	AR 735-11
Air Delivery, Parachute Recovery, and Aircrew Personnel Ejection Systems	AR 750-32
Disposal of Excess. Surplus. Foreign Excess Captured and Unwanted Matereial	AR 755-2
Army Material Maintenance Concepts and Policies	AR 750-1

A-4. PUBLICATIONS INDEXES

Index of Army Publications and Blank Forms	DA PAM 310-1
The Army Maintenance Management System (TAMMS).	DA PAM 738-750

A-5. FIELD MANUALS

Airdrop of Supplies and Equipment General Information for Rigging Airdrop Platform	FM 10-500
First Aid Data	FM21-11

A-6. TECHNICAL BULLETINS

Maintenance Expenditure Limits for NSN Group 16 ..... TB 43-002-4
Use of Material Condition Tags and Label on Army Aeronautical and Delivery Equipment ..... TB 750-126

A-7. TECHNICAL MANUALS

Preservation, Packaging, Packing of Military Supplies and Equipment (Volumes 1 and 2)..... TM 38-230-1
TM 38-230-2
Administrative Storage of Equipment ..... TM 740-90-1
Storage and Materials Handling ..... TM 743-200-1
Maintenance of Parachutes and Other Airdrop Equipment, General. . . . . TM 10-1670-201-23/
T.O. 13C-1-41

APPENDIX B

MAINTENANCE ALLOCATION CHART

Section I. INTRODUCTION

B-1. GENERAL

a. This section provides a general explanation of all maintenance and repair functions authorized at various maintenance levels.

b. The Maintenance Allocation Chart (MAC) in section II designates overall responsibility for the performance of maintenance functions on the identified end item or component. The implementation of the maintenance functions upon the end item or component will be consistent with the assigned maintenance functions.

C. Section III lists the special tools and test equipment required for each maintenance function as referenced from section II. (Not applicable).

d. Section IV contains supplemental instructions and explanatory notes for a particular maintenance function.

B-2. MAINTENANCE FUNCTIONS

a. Inspect. To determine the serviceability of an item by comparing its physical, mechanical and/or electrical characteristics with established standards through examination.

b. Service. Operations required periodically to keep an item in proper operating condition, i.e., to clean (decontaminate), to preserve, to drain, to paint, or to replenish fuel, lubricants, hydraulic fluids, or compressed air supplies.

c. Replace. The act of substituting a serviceable like part, subassembly, or module (component or assembly) for an unserviceable counterpart.

d. Repair. the application of maintenance services or other maintenance actions to restore serviceability to an item by correcting specific damage, fault, malfunction, or failure in a part, subassembly, module (component or assembly), end item, or system.

B-3. EXPLANATION OF COLUMNS IN THE MAC, SECTION II

a. Column 1, Group Number. Column 1 lists group numbers. the purpose of which IS to identify components. assemblies. subassemblies. and modules with the next higher assembly.

b. Column 2, Component/Assembly. Column 2 contains the names of components. assemblies. subassemblies. and modules for which maintenance IS authorized.

c. Column 3, Maintenance Functions. Column 3 lists the functions to be performed on the item listed in column 2. (For detailed explanation of these functions. see para. B-2.)

d. Column 4, Maintenance Level. Column 4 specifies. by the listing of a "work time" figure in the appropriate subcolumn(s) the lowest level of maintenance authorized to perform the function listed in column 3. This figure represents the active time required to perform the marntenance function at the indicated level of maintenance. If the number or complexity of the tasks within the listed maintenance function vary at different marntenance levels. appropriate "work time" figures will be shown for each level. The number of man-hours specified by the "work time" figure represents the average time required to restore an item (assembly, subassembly, component, module, end item, or system) to a serviceable condition under typical field operating conditions. This time includes preparation time, troubleshooting time, and quality assurance/quality control time in addition to the time required to perform the specific tasks Identified for the maintenance functions authorized in the maintenance allocation chart The symbol designations for the various maintenance levels are as follows:

C . . . . . Operator or crew.
O . . . . . Organization maintenance.
F . . . . . Direct support maintenance.
H . . . . . General support maintenance.
D . . . . . Depot maintance.

e. Column 5, Tools and Equipment. Column 5 specifies. by code. those common tool sets (not individual tools) and special tools, TMDE. and support equipment required to perform the designated function.

f. Column 6, Remarks. This column shall, when applicable, contain a letter code, in alphabetic order, which shall be keyed to the remarks contained in Section IV.

B-4. EXPLANATION OF COLUMNS IN TOOL AND TEST EQUIPMENT REQUIREMENTS, SECTION III

a. Column 1, Reference Code. The tool and test equipment reference code corelates with a code used in the MAC. Section II, Column 5.

b. Column 2, Maintenance Category. The lowest category of maintenance authorized to use the tools or test equipment.

c. Column 3, Nomenclature. Name or identification of the tool or test equipment.

d. Column 4, National Stock Number. The National Stock Number of the tool or test equipment.

e. Column 5, Tool Number. The manufacturer's part number.

B-5. EXPLANATION OF COLUMNS IN REMARKS, SECTION IV

a. Column 1, Reference Code. The code recorded in column 6, Section II.

b. Column 2, Remarks. This column lists information pertinent to the maintenance function being performed as indicated in the MAC Section II.

Section II. MAINTENANCE ALLOCATION CHART

(1) GROUP NO.	(2) COMPONENT/ ASSEMBLY	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL					(5) TOOLS AND EQUIPMENT	(6) REMARKS
			C	O	F	H	D		
00	Platform, Airdrop, Type V								
01	Minor Components								
	Clevis Assembly	Inspect		0.1					
		Service		0.1					
		Replace		0.1					
	Extraction Bracket Assembly	Inspect		0.2					
		Service		0.1					
		Replace		0.5					
	EFTA Brackets, inside and Outside	Inspect		0.1					
		Service		0.1					
		Repair		0.5					
	Multi-Purpose Link Assembly	Inspect		0.1					
		Service		0.1					
		Repair		0.5					
02	Major Components								
	Nose Bumper	Inspect		0.1					A
		Service		0.1					
		Repair		0.5				1, 4 thru 6, 8, 11, 21	A
	Side Rail	Inspect		0.2					
		Service		0.1				10, 13, 18, 19, 20	
		Replace		2.0				1 thru 6, 8, 9, 14, 20, 21	A
	Roller Pad	Inspect		0.2					
		Service		0.1					
		Replace		0.5				1, 4 thru 6, 8, 11, 14, 21	A

Section II. MAINTENANCE ALLOCATION CHART-Continued

(1) GROUP NO.	(2) COMPONENT/ ASSEMBLY	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL					(5) TOOLS AND EQUIPMENT	(6) REMARKS
			C	O	F	H	D		
	Panel Assembly, Rear	Inspect		0.2					
		Service		0.1					
		Replace		2.0				12, 13, 14	A
	Panel Assembly Main	Inspect		0.2					
		Service		0.1				13, 14	
		Replace		2.0				1, 4 thru 8, 13, 14, 21	A

Section III. TOOL AND EQUIPMENT REQUIREMENTS FOR TYPE VAIRDROP PLATFORM

TOOL OR TEST EQUIPMENT REF CODE	MAINTENANCE CATEGORY	NOMENCLATURE	NATIONAL/ NATO STOCK NUMBER	TOOL NUMBER
1	0	Pad, Paper Honeycomb, as required	N/A	
2	0	Equipment, Materials Handling, as required	N/A	
3	0	Socket, Socket Wrench 9/16 inch, 1/2 inch drive, 2 each	5120-00-236-7611	
4	0	Socket, Socket Wrench, 5/8 inch, 1/2 inch drive, 2 each	5120-00-236-7613	
5	0	Socket, Socket Wrench, 3/4 inch, 1/2 inch drive, 2 each	5120-00-236-7616	
6	0	Handle, Speeder, Socket Wrench 1/2 inch drive, 2 each	5120-00-104-1736	
7	0	Ratchet, Reversible, 1/2 inch drive, 9 inches long	5120-00-230-6385	
8	0	Extension, Socket Wrench, 1/2 inch drive, 5 inches long, 2 each	5120-00-243-7326	
9	0	Wrench, Box and Open, 1 1/2 inch, 2 each	5120-00-277-8834	
10	0	Wrench, Box and Open, 15/16 inch, 2 each	5120-00-228-9513	

Section III. TOOL AND EQUIPMENT REQUIREMENTS FOR TYPE V AIRDROP PLATFORM-Continued

TOOL OR TEST EQUIPMENT REF CODE	MAINTENANCE CATEGORY	NOMENCLATURE	NATIONAL/ NATO STOCK NUMBER	TOOL NUMBER
11	0	Wrench, Box and Open, 3/4 inch, 2 each	5120-00-228-9510	
12	0	Wrench, Box and Open, 11/16 inch, 2 each	5120-00-228-9509	
13	0	Wrench, Box and Open, 5/8 inch, 2 each	5120-00-228-9508	
14	0	Wrench, Box and Open, 9/16 inch, 2 each	5120-00-228-9507	
15	0	Wrench, Box, 9/16 x 5/8 inch	5120-00-224-3148	
16	0	Wrench, adjustable	5120-00-423-6728	
17*	0	Wrench, impact pneumatic, 1/2 inch	5130-00-889-2134	
18	0	File, mill bastard	5110-00-242-5386	
19	0	File, mill bastard	5110-00-242-5387	
20	0	File, round, 2 each	5110-00-245-4177	
21	0	File, handle and rasp	5110-00-941-2707	
22	0	Punch, aligning, 1/4 inch diameter x 8 1/2 inches long, 2 each	5120-00-242-0763	

* See Sect. IV, REMARKS

Section IV. REMARKS

REFERENCE CODE	REMARKS
A	If shop air supply is not available, use of an electric impact wrench is authorized. Wrench should be calibrated to a torque of 40-50 foot pounds.

APPENDIX C

REPAIR PARTS AND SPECIAL TOOLS LIST

Section I. INTRODUCTION

C-1. SCOPE

This manual lists and authorizes spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE); and other special support equipment required for performance of organizational, direct support, and general support maintenance of the Type V airdrop platform. It authorizes the requisitioning, issue. and disposition of spares, repair parts and special tools as indicated by the Source, Maintenance and Recoverability (SMR) codes.

C-2. GENERAL

This Repair Parts and Special Tools List is divided into the following sections:

a. Section II. Repair Parts List. A list of spares and repair parts authorized by this RPSTL for use in the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in ascending alphanumeric sequence. with the parts in each group listed in ascending figure and item number sequence. Bulk materials are listed in NSN sequence.

b. Section III. Special Tools Lists. A list of special tools. special TMDE. and other special support equipment authorized by this RPSTL for the performance of maintenance. (Not applicable).

c. Section IV. National Stock Number and Part Number Index. A list, in National item identification number (NIIN) sequence, of all National stock numbers (NSN) appearing in the listings, followed by a list in alphanumeric sequence of all part numbers appearing in the listings. National stock numbers and part numbers are cross-referenced to each illustration figure and item number appearance.

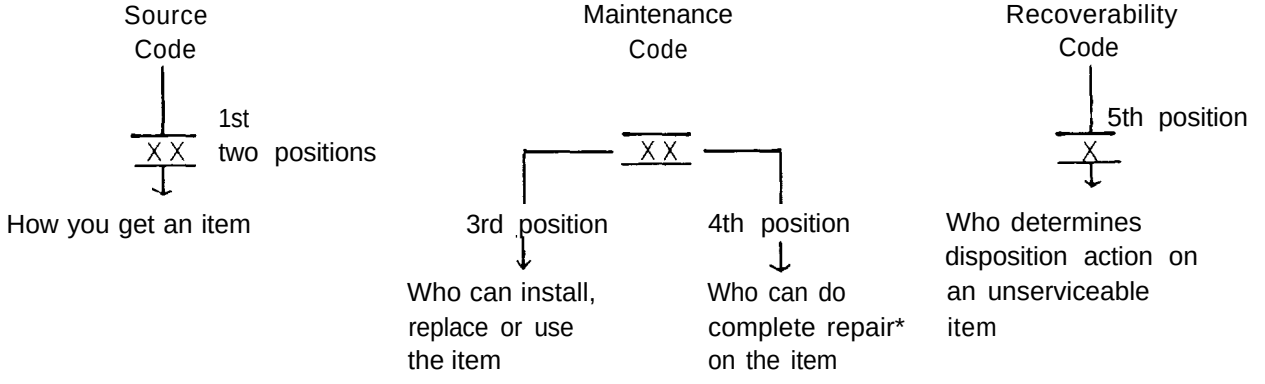
C-3. EXPLANATION OF COLUMNS (Section II and III).

a. Illustration (Column(1)). This column is divided as follows:

ITEM NO.). Indicates the number used to identify items called out in the illustration.

C-3. EXPLANATION OF COLUMNS (Section II and III) — Continued

b. SMR CODE (Column (2)). The Source, Maintenance, and Recoverability (SMR) code is a 5-position code containing supply/requisitioning information, maintenance category authorization criteria, and disposition instructions, as shown in the following breakout:



*Complete Repair: Maintenance capacity, capability, and authority to perform all the corrective marntenance tasks of the "Repair" function in a use/user environment in order to restore serviceability to a failed Item.

(1) Source Code. The source code tells you how you get an item needed for maintenance, repair, or overhaul of an end item/equipment. Source codes are always the first two positions of the SMR code. Explanations of source codes follow.

Code	Explanation
PA, PB, PC, PD, PE, PF, PG	Stocked items; use the applicable NSN to request/requisition items with these source codes. They are authorized to the category indicated by the code entered in the **3rd position of the SMR Code.**

(2) Maintenance Code. Maintenance codes tell you the category(ies) of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the SMR Code as follows:

(a) The maintenance code entered in the third position tells you the lowest maintenance category authorized to remove, replace, and use an item. The maintenance code entered in the third position will indicate authorization to one of the following categories of maintenance.

Code	Application/Explanation
C	-Crew or operator maintenance done within organizational or aviation unit maintenance.
O	-Organizational or aviation unit category can remove, replace, and use the item.

EXPLANATION OF COLUMNS (Section II and III) — Continued

Code	Application/Explanation
F	- Direct support or aviation intermediate category can remove, replace, and use the item.
H	- General support category can remove, replace, and use the item.
L	- Specialized repair activity can remove, replace, and use the item.
D	- Depot category can remove, replace and use the item.

(b) The maintenance code entered in the fourth position tells you whether or not the item is to be repaired and identifies the lowest maintenance category with the capability to do complete repair (i.e., perform all authorized repair functions). (NOTE: Some limited repair may be done on the item at a lower category of maintenance, if authorized by the Maintenance Allocation Chart (MAC) and SMR codes.) This position will contain one of the following maintenance codes.

O	- Organizational or aviation unit is the lowest category that can do complete repair of the item.
F	- Direct support or aviation intermediate is the lowest category that can do complete repair of the item.
H	- General support is the lowest category that can do complete repair of the item.
L	- Specialized repair activity (designate the specialized repair activity) is the lowest category that can do complete repair of the item.
D	- Depot is the lowest category that can do complete repair of the item.
Z	- Nonreparable. No repair is authorized.
B	- No repair is authorized. (No parts or special tools are authorized for the maintenance of a “B” coded item.) However, the item may be reconditioned by adjusting, lubricating, etc., at the user level.

C-3. EXPLANATION OF COLUMNS (Section II and III) — Continued

(3) Recoverability Code. Recoverability codes are assigned to items to indicate the disposition action on unserviceable items. The recoverability code is entered in the fifth position of the SMR Code as follows:

Recoverability Codes	Definition
Z	- Nonreparable Item. When unserviceable. condemn and dispose of the item at the category of maintenance shown in 3d position of SMR Code.
Code	**Application/Explanation**
O	- Reparable item. When uneconomically reparable, condemn and dispose of the item at organizational or aviation unit category.
F	- Reparable item. When uneconomically reparable, condemn and dispose of the item at the direct support or aviation Intermediate category.
H	- Reparable item. When uneconomically reparable. condemn and dispose of the item at the general support category.
D	- Reparable item. When beyond lower category repair capability, return to depot. Condemnation and disposal of item not authorized below depot category.
L	- Reparable item. Condemnation and disposal not authorized below specialized repair activity.
A	- Item requires special handling or condemnation procedures because of specific reasons (i.e.. precious metal content, high dollar value, critical material, or hazardous materiaI). Refer to appropriate manuals/directives for specific Instructions

c. FSCM (Column (3)). The Federal Supply Code for Manufacturer (FSCM) is a 5-digit numeric code which is used to identify the manufacturer, distributor, or Government agency, etc., that supplies the Item.

d. Part Number Column (4)). lndicates the primary number used by the manufactured (individual, company, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of Its engineering drawings, specifications standards, and inspection requirements to identify an Item or range of items.

NOTE: When you use an NSN to requisition an item the item you receive may have a different part number from the part ordered, but go ahead and use or furnish it as the replacment part.

C-3. EXPLANATION OF COLUMNS (Section II and III) — Continued

e. Description (Column (5)). This column includes the following information:
(1) The Federal item name and, when required, a minimum description to identify the item.

(2) The USABLE ON CODE, when applicable (see paragraph C-5, Special Information.

f. QTY (Column (6)). The Quantity Incorporated in Unit (QTY INC IN UNIT) indicates the quantity of the item used in the breakout shown on the illustration figure, which is prepared for a functional group, subfunctional group, or an assembly. A "V" appearing in this column in lieu of aquantity indicates that no specific quantity is applicable (e.g., shims, spacers).

C-4. EXPLANATION OF COLUMNS (Sectlon IV.)

a. NATIONAL STOCK NUMBER (NSN) INDEX.

(1) STOCK NUMBER column. This column lists the NSN by National item identification number (NIIN) sequence. The NIIN consists of the last nine digits of the NSN (i.e., 5305-01-674-1467).

NSN
NIIN

When using this column to locate an item, ignore the first 4 digits of the NSN. However, the complete NSN should be used when ordering items by stock number.

(2) FIG. column. This column lists the number of the figure where the item is identified/located The figures are in numerical order in Section II and Section III.

(3) ITEM column. The item number identifies the item associated with the figure listed in the adjacent FIG. column. This item is also identified by the NSN listed on the same line.

b. PART NUMBER INDEX. Part numbers in this index are listed by part number in ascending alphanumeric sequence (i.e., vertical arrangement of letter and number combination which places the first letter or digit of each group in order A through Z followed by the numbers 0 through 9 each following letter or digit in like order)

(1) FSCM column. The Federal Supply Code for Manufacturer (FSCM) is a 5-digit numeric code used to identify the manufacturer, distributor, or Government agency, etc., that supplies the item.

(2) PART NUMBER column. Indicates the primary number used by the manufacturer individual, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications standards, and inspection requirements to identify an item or range of items.

(3) STOCK NUMBER column. This column lists the NSN for the associated part number and manufacturer identified in the PART NUMBER and FSCM columns to the left.

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C-4. EXPLANATION OF COLUMNS (Section IV.) — Continued

(4) FIG. column. This column lists the number of the figure where the item is identified/located in Section II and Section III.

(5) ITEM column. The item number is that number assigned to the item as it appears in the figure referenced in the adjacent figure number column.

C-5. SPECIAL INFORMATION

a. USABLE ON CODE. The usable on code appears in the lower left corner of the Description column heading. Usable on codes are shown as "UOC: . . . . . ." in the Description Column (justified left) on the first line applicable item description/nomenclature. Uncoded items are applicable to all models. Identification of the usable on codes used in the RPSTL are.

Code	Used On
Due	Platform 8 FT.
DUF.	Platform 12 FT.
DUG	Platform 16 FT
DUH	Platform 20 FT
DUJ	Platform 24 FT
DUK	Platform 28 FT.
DUL	Platform 32 FT

b. ASSEMBLY INSTRUCTION. Detailed assembly instructions for items source coded to be assembled from component spare/repair parts are found in (enter appropriate maintenance manual) Items that make up the assembly are listed immediately following the assembly item entry or reference is made to an applicable figure.

C-6. HOW TO LOCATE REPAIR PARTS

a. When National Stock Number or Part Number IS Not Known:

(1) First. Using the table of contents, determine the functional group or subfunctional group to which the item belongs. This is necessary since figures are prepared for functional groups and subfunctional groups, and listings are divided into the same groups.

(2) Second. Find the figure covering the functional group or subfunctional group to which the item belongs.

(3) Third. Identify the item on the figure and note the item number of the item.

(4) Fourth. Refer to the Repair Parts List for the figure to find the line item entry for the item number noted on the figure.

C-6. HOW TO LOCATE REPAIR PARTS — Continued

b. When National Stock Number or Part Number is Known:

(1) First. Using the Index of National Stock Numbers and Part Numbers, find the pertinent National Stock Number or part number. The NSN index is in National Item Identification Number (NIIN)* sequence. The part numbers in the Part Number index are listed in ascending alphanumeric sequence. Both indexes cross-reference you to the illustration figure and item number of the item you are looking for.

*The NIIN consists of the last 9 digits of the NSN (i.e., NSN 5305-01-674-1467 NIIN).

(2) Second. After finding the figure and item number, verify that the item is the one you're looking for, then locate the item number in the repair parts list for the figure.

C-7. ABBREVIATIONS

Abbreviations	Explanation
EA	Each
EFTA	Extraction Force Transfer Actuator
FT	Foot/Feet
IN	Inch/Inches
LG	Long
MTG	Mounting
NF	National Fine (Thread)

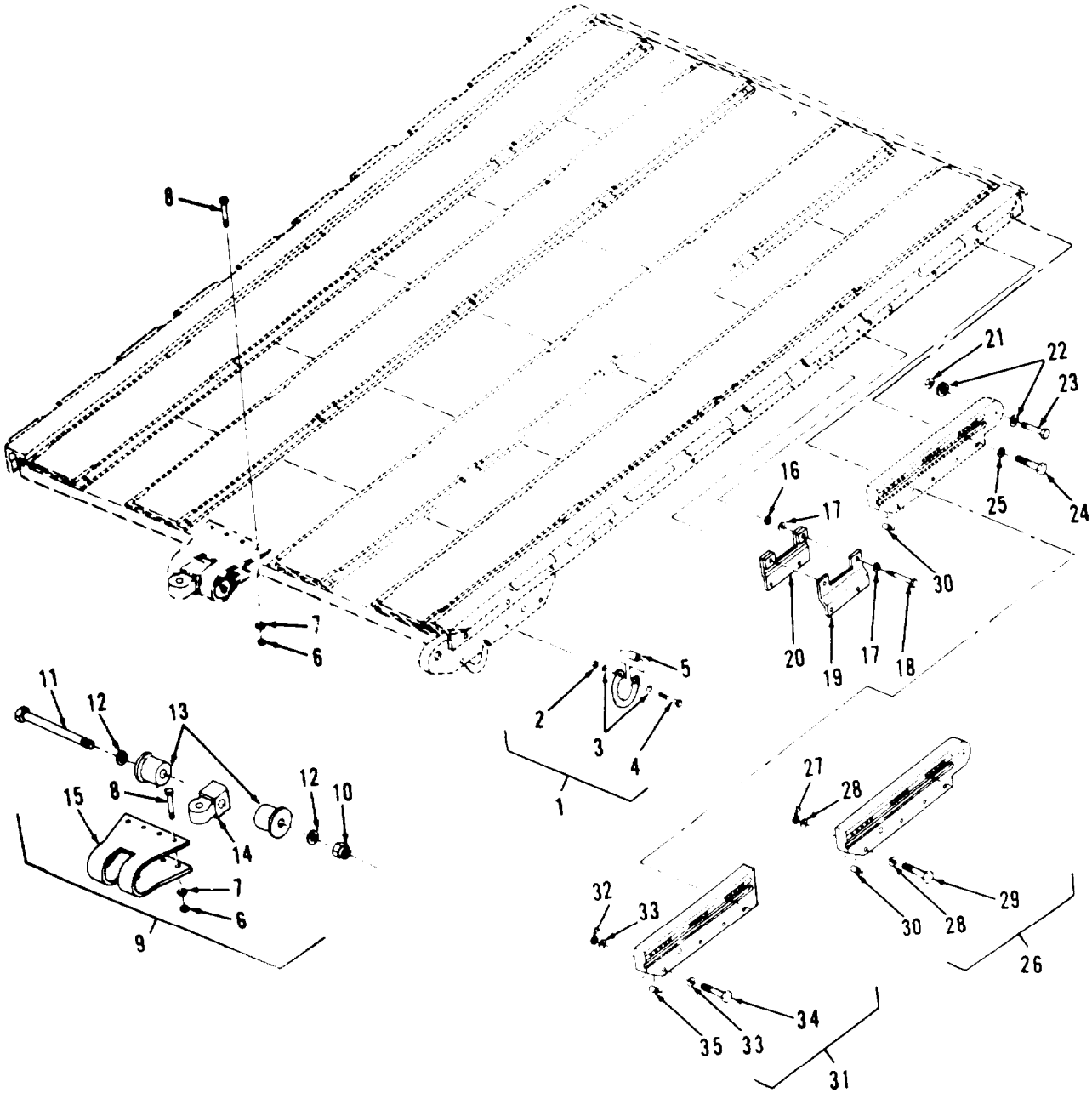

Figure C-1. Minor Components of the Type V Airdrop Platform

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
				GROUP 01—MINOR COMPONENTS	
1	PAOOO	81337	11-1-2801	CLEVIS ASSEMBLY	V
2	PAOZZ	96906	MS21044-N7	.NUT,SELF-LOCKING,7/16 IN.-20NF	1
3	PAOZZ	96906	MS27183-15	.WASHER,FLAT	1
4	PAOZZ	88044	AN7-27A	.BOLT,MACHINE,7/16 IN. X 2 31/32 IN. LG-20 NF	1
5	PAOZZ	81337	11-1-2803	.SPACER,CLEVIS	1
6	PAOZZ	96906	MS21044-N10	NUTSELF-LOCKING,5/8 IN.-18 NF	4
7	PAOZZ	88044	AN960-1016	WASHER,FLAT	8
8	PAOOO	88044	AN10-36A	BOLT,MACHINE,5/8 IN. X 3 57/64 IN. LG-18NF	4
9	PAOZZ	81337	11-1-2871	BRACKET ASSEMBLY,EXTRACTION	1
10	PAOZZ	96906	MS21044-N16	.NUT,SELF-LOCKING, 1 IN.-12 NF	1
11	PAOZZ	88044	AN17-76A	.BOLT,MACHINE,1 IN. X 8 IN.-12NF	1
12	PAOZZ	88044	AN960-1616	.WASHER,FLAT	2
13	PAOZZ	81337	11-1-2869	.BUSHING	2
14	PAOZZ	81337	11-1-2868	.LUG	1
15	PAOZZ	81337	11-1-2870	.FRAME	1
16	PAOZZ	96906	MS21044-N6	NUT,SELF-LOCKING,3/8 IN.-24NF	2
17	PAOZZ	88044	AN960-616	WASHER,FLAT	4
18	PAOZZ	88044	AN6-17A	BOLT,MACHINE,3/8 IN.-24 NF	2
19	PAOZZ	81337	11-1-3175	BRACKET,OUTSIDE EFTA	1
20	PAOZZ	81337	11-1-2872	BRACKET,INSIDE EFTA	1
21	PAOZZ	96906	MS21045-16	NUTSELF-LOCKING,CONNECTOR LINK, 1 IN.-12 NF	2
22	PAOZZ	88044	AN960-1616	WASHER,FLAT,CONNECTOR LINK	4
23	PAOZZ	88044	AN17-26	BOLT,MACHINE,CONNECTOR LINK, 1 IN. X 3 IN. LG-12 NF	2
24	PAOZZ	88044	11-1-2780 FIND 9	BOLT,MACHINE,TANDEM LINK MOUNTING, 1/2 IN. -24 NF	12
25	PAOZZ	88044	AN960-816	WASHER,FLAT,TANDEM LINK MOUNTING	12
26	PAOOO	81337	11-1-2798	TANDEM LINK ASSEMBLY (MULTI-PURPOSE)	4
27	PAOZZ	96906	MS21083-N7	.NUT,SELF-LOCKING,7/16 IN.-20 NF	4
28	PAOZZ	96906	MS27183-16	.WASHER,FLAT	8
29	PAOZZ	88044	AN7-24A	.BOLT,MACHINE,7/16 IN. X 2 19/32 IN. LG.-20 NF	4
30	PAOZZ	81337	11-1-2800	.BUSHING,TANDEM LINK ASSEMBLY	4

Section II. REPAIR PARTS LIST (Cont'd)

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
31	PAOZZ	81337	11-1-2798-2	SUSPENSION LINK ASSEMBLY	V
32	PAOZZ	96906	MS21083-N7	. NUT, SELF-LOCKING, 7/16 IN.20NF	4
33	PAOZZ	96906	MS27183-16	.WASHER, FLAT	4
34	PAOZZ	88044	AN7-24A	. BOLT, MACHINE, 7/16 IN.x2 19/32 IN LG-20NF.....	4
35	PAOZZ	81337	11-1-2800	. BUSHING, SUSPENSION LINK ASSEMBLY	4

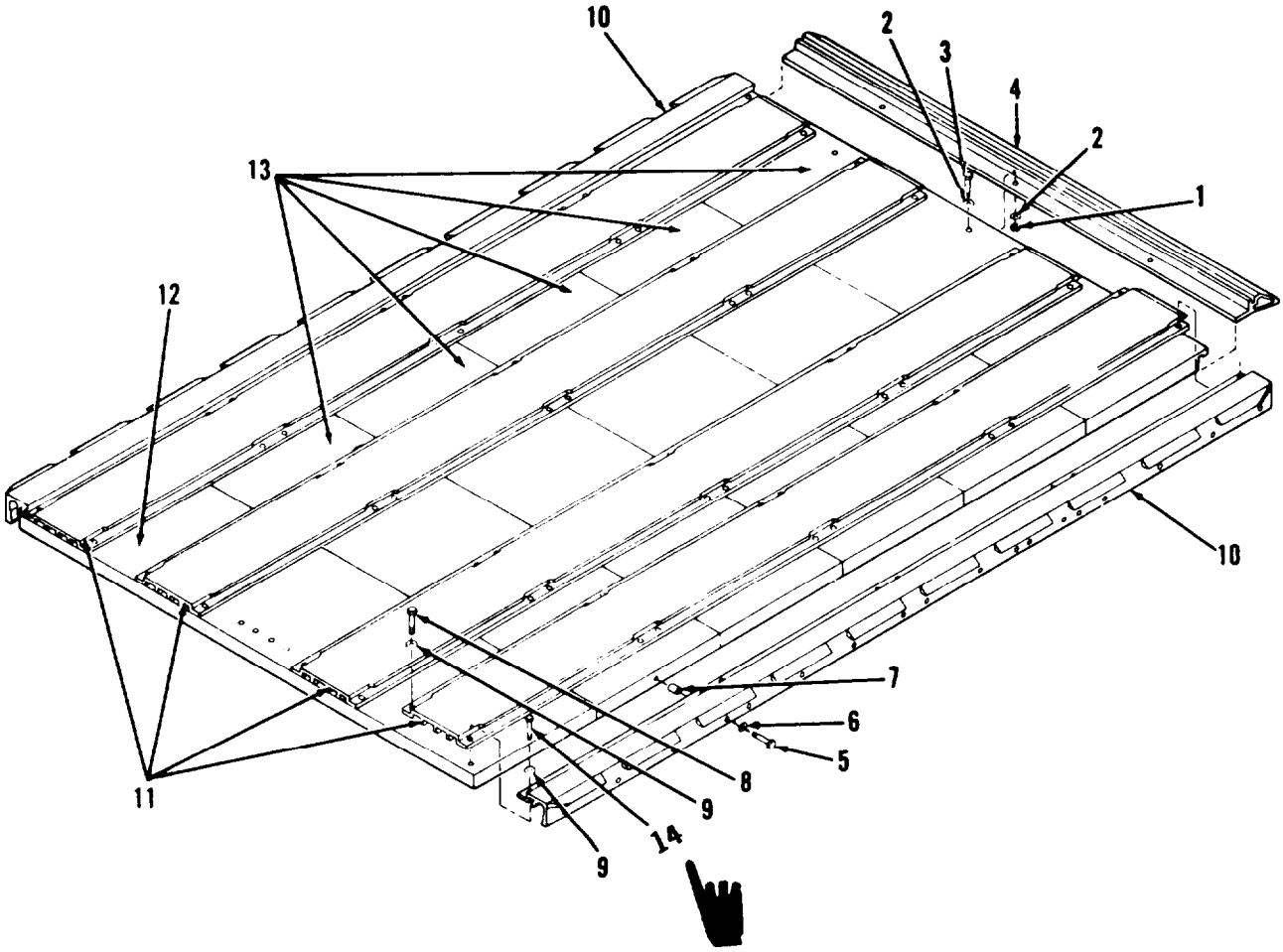

Figure C-2. Major Components of the Type V Airdrop Platform

Section II. REPAIR PARTS LIST (Cont'd)

(1) ITEM NO.	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
				GROUP 02 - MAJOR COMPONENTS	
1	PAOZZ	96906	MS21044-N6	NUT, SELF-LOCKING, HEX HEAD, 3/8 IN.-24 NF	3
2	PAOZZ	88044	AN960-616	WASHER, FLAT, 318 IN	6
3	PAOZZ	88044	AN6-32A	BOLT, MACHINE, 318 IN. X 3 21/64 IN. LG.-24NF	3
4	PAOZZ	81337	11-1-2797	NOSE BUMPER	1
4	XOOZZ	19099	65D3729	NOSE BUMPER	1
5	PAOZZ	81337	11-1-2780 Find 9	BOLT, MACHINE, SELF-LOCKING, SIDE RAIL, MTG, 1/2 IN. X 3 13/64 IN. LG-24NF	
				UOC: DUE	32
				UOC: DUF	48
				UOC: DUG	64
				UOC: DUN	80
				UOC: DUJ	98
				UOC: DUK	112
				UOC: DUL	128
6	PAOZZ	88044	AN96~16	WASHER, FLAT, SIDE RAIL MOUNTING, 1/2 IN.	
				UOC: DUE	32
				UOC: DUF	48
				UOC: DUG	64
				UOC: DUN	80
				UOC: DUJ	96
				UOC: DUK	112
				UOC: DUL	128
7	PAOZZ	81337	11-1-2792	BUSHING, SIDE RAIL	
				UOC: DUE	32
				UOC: DUF	48
				UOC: DUG	64
				UOC: DUN	80
				UOC: DUJ	96
				UOC: DUK	112
				UOC: DUL	128
8	PAOZZ	81337	11-1-2780 Find 10	BOLT, MACHINE, SIDE RAIL AND ROLLER PAD, MTG, 3/8 IN. X 1 5/64 IN. LG-24NF	
				UOC: DUE	48
				UOC: DUF	72
				UOC: DUG	96
				UOC: DUN	120
				UOC: DUJ	144
				UOC: DUK	168
				UOC: DUL	192
9	PAOZZ	08044	AN960-616	WASHER, FLAT, SIDE RAIL AND ROLLER PAD, 318 IN. MOUNTIIIG	
				UOC: DUE	64
				UOC: DUF	96
				UOC: DUG	128
				UOC: DUN	160
				UOC: DUJ	192
				UOC: DUK	224
				UOC: DUL	258

Section II. REPAIR PARTS LIST (Cont'd)

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
10	PAOZZ			RAIL,SIDE	
		81337	11-1-2793-1	UOC: DUE	2
		81337	11-1-1-2793-2	UOC: DUF	2
		81337	11-1-2793-3	UOC: DUG	2
		81337	11-1-2793-4	UOC: DUH	2
		81337	11-1-2793-5	UOC: DUJ	2
		81337	11-1-2793-6	UOC: DUK	2
		81337	11-1-2793-7	UOC: DUL	2
11	PAOZZ			ROLLER PAD	
		81337	11-1-2795-1	UOC: DUE	4
		81337	11-1-2795-2	UOC: DUF	4
		81337	11-1-2795-3	UOC: DUG	4
		81337	11-1-2795-4	UOC: DUH	4
		81337	11-1-2795-5	UOC: DUJ	4
		81337	11-1-2795-6	UOC: DUK	4
		81337	11-1-2795-7	UOC: DUL	4
12	PAOZZ	81337	11-1-2781-1	PANEL ASSEMBLY, REAR	1
13	PAOZZ			PANEL ASSEMBLY, MAIN	
		81337	11-1-2781-2	UOC: DUE	3
		81337	11-1-2781-2	UOC: DUF	5
		81337	11-1-2781-2	UOC: DUG	7
		81337	11-1-2781-2	UOC: DUH	9
		81337	11-1-2781-2	UOC: DUJ	11
		81337	11-1-2781-2	UOC: DUK	13
		81337	11-1-2781-2	UOC: DUL	15
14	PAOZZ	81337	11-1-2780 FIND25	BOLT, OUTSIDE EDGE, ROLLER PAD	
				UOC : DUE	16
				UOC : DUF	24
				UOC : DUG	32
				UOC : DUH	40
				UOC : DUJ	48
				UOC : DUK	56
				UOC : DUL	64
				END OF FIGURE	

Section III. SPECIAL TOOLS LIST

No special tools are required to assemble the Type V Airdrop Platform (Reference Appendix B, Section III).

SECTION IV

NATIONAL STOCK NUMBER AND PART NUMBER INDEX

PART NUMBER INDEX

FSCM	PART NUMBER	STOCK NUMBER	FIG.	ITEM
88044	AN10-36A	5306-00-527-4240	C-1	8
88044	AN17-26	5306-01-076-3146	C-1	23
88044	AN17-76A	5306-01-240-8883	C-1	11
88044	AN6-17A	5306-00-180-1489	C-1	18
88044	AN6-32A	5306-00-180-0310	C-2	3
88044	AN7-24A	5306-00-004-1534	C-1	29
88044	AN7-27A	5306-00-208-3650	C-1	4
88044	AN960-1016	5310-00-167-0825	C-1	7
88044	AN960-1616	5310-00-167-0828	C-1	12
			C-1	22
88044	AN960-616	5310-00-167-0821	C-2	2
			C-2	9
			C-1	17
88044	AN960-816	5310-00-167-0823	C-2	6
			C-1	25
96906	MS21044-N6	5310-00-950-0039	C-1	16
			C-2	1
85895	MS21044-N10	5310-00-982-6809	C-1	6
96906	MS21044N7	5310-00-088-0552	C-1	2
96906	MS21044N16	5310-00-057-7151	C-1	10
96906	MS21045-16	5310-00-057-7152	C-1	21
96906	MS21083N7	5310-00-902-7846	C-1	27
96906	MS27183-15	5310-00-809-4061	C-1	3
96906	MS27183-16	5310-00-809-4085	C-1	28
81337	11-1-2780FIND09	5306-01-212-1264	C-2	5
			C-1	24
81337	11-1-2780FIND10	5306-01-210-8738	C-2	8
81337	11-1-2780-FIND25	5306-01-276-5945	C-2	14
81337	11-1-2781-1	1670-01-168-8398	C-2	12

SECTION IV

NATIONAL STOCK NUMBER AND PART NUMBER INDEX

PART NUMBER INDEX

FSCM	PART NUMBER	STOCK NUMBER	FIG.	ITEM
81337	11-1-2781-2	1670-01-168-8397	C-2	13
81337	11-1-2792	1670-01-162-2384	C-2	7
81337	11-1-2793-1	1670-01-162-2371	C-2	10
81337	11-1-2793-2	1670-01-162-2370	C-2	10
81337	11-1-2793-3	1670-01-162-2369	C-2	10
81337	11-1-2793-4	1670-01-162-2368	C-2	10
81337	11-1-2793-5	1670-01-162-2366	C-2	10
81337	11-1-2793-6	1670-01-162-2367	C-2	10
81337	11-1-2793-7	1670-01-169-9154	C-2	10
81337	11-1-2795-1	1670-01-162-2386	C-2	11
81337	11-1-2795-2	1670-01-162-2383	C-2	11
81337	11-1-2795-3	1670-01-162-2382	C-2	11
81337	11-1-2795-4	1670-01-162-2387	C-2	11
81337	11-1-2795-5	1670-01-162-2388	C-2	11
81337	11-1-2795-6	1670-01-162-2389	C-2	11
81337	11-1-2795-7	1670-01-169-9155	C-2	11
81337	11-1-2797	1670-01-162-2385	C-2	4
81337	11-1-2798	1670-01-162-2381	C-1	26
81337	11-1-2798-2	1670-01-247-2389	C-1	31
81337	11-1-2800	1670-01-162-2380	C-1	30
81337	11-1-2801	1670-01-162-2372	C-1	1
81337	11-1-2803	1670-01-162-2373	C-1	5
81337	11-1-2868	5340-01-162-2379	C-1	14
81337	11-1-2869	1670-01-162-2378	C-1	13
81337	11-1-2870	1670-01-162-2377	C-1	15
81337	11-1-2871	1670-01-162-2376	C-1	9
81337	11-1-2872	1670-01-162-2373	C-1	20
81337	11-1-3175	1670-01-162-2374	C-1	19

APPENDIX D

EXPENDABLE SUPPLIES AND MATERIALS LIST

Section I. INTRODUCTION

D-1. SCOPE

This appendix lists expendable supplies and materials you will need to operate and maintain the type V airdrop platform. These items are authorized to you by CTA 50-970, Expendable Items (Except Medical, Class V, Repair Parts. and Heraldic Items).

D-2. EXPLANATION OF COLUMNS

a. Column (1). Item number. This number is assigned to the entry in the listing and is referenced in the narrative instructions to identify the material (e.g., “Use cleaning compound. item 5, App. D”).

b. Column (2). Level. This column identifies the lowest level of maintenance that requires the listed item (enter as applicable).

O - Organizational Maintenance

c. Column (3). National Stock Number. This is the National stock number assigned to the item; use it to request or requisition the item.

d. Column (4). Description. Indicates the Federal item name and, if required, a description to identify the item. The last line for each item indicates the Federal Supply Code for Manufacturer (FSCM) in parentheses followed by the part number.

e. Column (5). Unit of Measure (U/M). Indicates the measure used in performing the actual maintenance function. This measure is expressed by a two-character alphabetical abbreviation (e.g.. ea, in, pr). If the unit of measure differs from the unit of issue. requisition the lowest unit of issue that will satisfy your requirements.

Section II. EXPENDABLE SUPPLIES AND MATERIALS LIST

(1) ITEM NUMBER	(2) LEVEL	(3) NATIONAL STOCK NUMBER	(4) DESCRIPTION	(5) U/M
1		7930-00-281-4731	Dishwashing Compound, hand flake	150 lb. sack
2		7920-00-205-3570	Rag, wiping	Bulk
3		5350-00-221-0872	Crocus cloth	Bulk
4		7920-00-282-2470	Brush, Scrub, Household	Each

GLOSSARY

ADS	Aerial Delivery System
EFTC	Extraction Force Transfer Coupling
FM	Field Manual
LAPE	Low Altitude Parachute Extraction
LVAD	Low Velocity Airdrop
MAC	Maintenance Allocation Chart
MHE	Material Handling Equipment
MOS	Military Occupational Specialty
RPSTL	Repair Parts and Special Tools List
TM	Technical Manual
TO	Technical Order

ALPHABETICAL INDEX

ALPHABETICAL INDEX—Continued

ALPHABETICAL INDEX—Continued

ALPHABETICAL INDEX — Continued

ALPHABETICAL INDEX — Continued

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BE EXACT PIN-POINT WHERE IT IS

PAGE NO	PARAGRAPH	FIGURE NO	TABLE NO
6	2-1 a		
B1		4-3	
125	line 20		

IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

In line 6 of paragraph 2-1a the manual states the engine has 6 Cylendurs. The engine on my set only has 4 Cylenders. Change the manual to show 4 Cylenders.

Callout 16 on figure 4-3 is pointing at a bolt. In key to figure 4-3, item 16 is called a shim - Please correct one or the other.

I ordered a gasket, item 19 on figure B-16 by NSN 2910-00-762-3001. I got a gasket but it doesn't fit. Supply says I got what I ordered, so the NSN is wrong. Please give me a good NSN

PRINTED NAME GRADE OR TITLE AND TELEPHONE NUMBER
JOHN DOE, PFC (268) 317-7111

SIGN HERE John Doe
JOHN DOE

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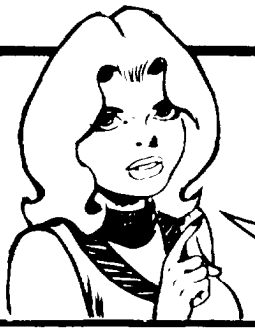

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The Metric System and Equivalents

Linear Measure

1 centimeter = 10 millimeters = .39 inch
1 decimeter = 10 centimeters = 3.94 inches
1 meter = 10 decimeters = 39.37 inches
1 dekameter = 10 meters = 32.8 feet
1 hectometer = 10 dekameters = 328.08 feet
1 kilometer = 10 hectometers = 3,280.8 feet

Weights

1 centigram = 10 milligrams = .15 grain
1 decigram = 10 centigrams = 1.54 grains
1 gram = 10 decigram = .035 ounce
1 dekagram = 10 grams = .35 ounce
1 hectogram = 10 dekagrams = 3.52 ounces
1 kilogram = 10 hectograms = 2.2 pounds
1 quintal = 100 kilograms = 220.46 pounds
1 metric ton = 10 quintals = 1.1 short tons

Liquid Measure

1 centiliter = 10 milliliters = .34 fl. ounce
1 deciliter = 10 centiliters = 3.38 fl. ounces
1 liter = 10 deciliters = 33.81 fl. ounces
1 dekaliter = 10 liters = 2.64 gallons
1 hectoliter = 10 dekaliters = 26.42 gallons
1 kiloliter = 10 hectoliters = 264.18 gallons

Square Measure

1 sq. centimeter = 100 sq. millimeters = .155 sq. inch
1 sq. decimeter = 100 sq. centimeters = 15.5 sq. inches
1 sq. meter (centare) = 100 sq. decimeters = 10.76 sq. feet
1 sq. dekameter (are) = 100 sq. meters = 1,076.4 sq. feet
1 sq. hectometer (hectare) = 100 sq. dekameters = 2.47 acres
1 sq. kilometer = 100 sq. hectometers = .386 sq. mile

Cubic Measure

1 cu. centimeter = 1000 cu. millimeters = .06 cu. inch
1 cu. decimeter = 1000 cu. centimeters = 61.02 cu. inches
1 cu. meter = 1000 cu. decimeters = 35.31 cu. feet

Approximate Conversion Factors

To change	*To*	*Multiply by*	*To change*	*To*	*Multiply by*
inches	centimeters	2.540	ounce-inches	newton-meters	.007062
feet	meters	.305	centimeters	inches	.394
yards	meters	.914	meters	feet	3.280
miles	kilometers	1.609	meters	yards	1.094
square inches	square centimeters	6.451	kilometers	miles	.621
square feet	square meters	.093	square centimeters	square inches	.155
square yards	square meters	.836	square meters	square feet	10.764
square miles	square kilometers	2.590	square meters	square yards	1.196
acres	square hectometers	.405	square kilometers	square miles	.386
cubic feet	cubic meters	.028	square hectometers	acres	2.471
cubic yards	cubic meters	.765	cubic meters	cubic feet	35.315
fluid ounces	milliliters	29,573	cubic meters	cubic yards	1.308
pints	liters	.473	milliliters	fluid ounces	.034
quarts	liters	.946	liters	pints	2.113
gallons	liters	3.785	liters	quarts	1.057
ounces	grams	28.349	liters	gallons	.264
pounds	kilograms	.454	grams	ounces	.035
short tons	metric tons	.907	kilograms	pounds	2.205
pound-feet	newton-meters	1.356	metric tons	short tons	1.102
pound-inches	newton-meters	.11296			

Temperature (Exact)

°F	Fahrenheit temperature	5/9 (after subtracting 32)	Celsius temperature	°C

PIN: 060198-002