

## CHAPTER 6

**RIGGING M973A, 1 1/2-TON CARGO CARRIER  
SMALL UNIT SUPPORT VEHICLE (SUSV) ON THE TYPE V PLATFORM  
FOR LOW-VELOCITY AIRDROP****6-1. Description of Load**

The SUSV is a tracked vehicle with a driver's compartment and a troop carrier compartment attached to the rear of the driver's compartment. The SUSV is rigged on a 28-foot, type V airdrop platform. Four G-11B cargo parachutes are used for low-velocity airdrop from a C-130, C-141, C-5 or C-17 aircraft. The vehicle is 271-inches long, 74-inches wide, 90 1/2-inches in height, and weighs 14,506 pounds. The vehicle must be rigged with an accompanying load that weighs 2,000 pounds but not more than 2,100 pounds. The accompanying load shown is 105-millimeter ammunition rigged on the front end of the platform, however other equipment may be rigged.

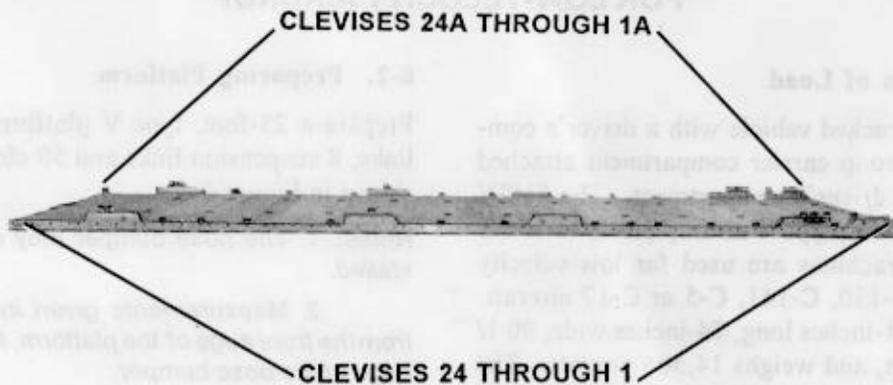
**CAUTION:** Only ammunition listed in FM 10-500-53/MCRP 4-3.8/TO 13C7-18-41 may be airdropped. Package, mark, and label hazardous material according to AFJMAN 24-204/TM 38-250.

**6-2. Preparing Platform**

Prepare a 28-foot, type V platform using 2 tandem links, 8 suspension links and 50 clevis assemblies as shown in Figure 6-1.

**Notes:** 1. *The nose bumper may or may not be installed.*

2. *Measurements given in this chapter are from the front edge of the platform, NOT from the front edge of the nose bumper.*



**Step:**

1. Inspect, or assemble and inspect, a 20-foot, type V airdrop platform for LVAD in accordance with (IAW) TM 10-1670-268-20&P/TO13C7-52-22.
2. Install a tandem link on the front of each platform side rail using holes 1, 2, and 3.
3. Install four suspension links on each side rail using bushing holes 6, 7, and 8; 22, 23, and 24; 33, 34, and 35; 49, 50, and 51.
4. Install a clevis on bushings 1, 2, 3, and 4 on each front tandem link.
5. Install a clevis on bushings 1, 2, and 3 on the first set of suspension links. Reverse the clevis on the second bushing. Install two clevises on this reversed clevis.
6. Install a clevis on bushing 2 on the third set of suspension links.
7. Install a clevis on bushings 2 and 3 on the fourth set of suspension links.
8. Starting at the front of the platform, install clevises on the bushings bolted on holes 5, 10, 13, 16, 18, 20, 26, 30, 37, 42, 45, 47, and 56.
9. Starting at the front of the platform, number the clevises bolted to the right side rail from 1 through 24 and those bolted to the left side rail from 1A through 24A.
10. Label the tie-down rings according to FM 10-500-2/TO 13C7-1-5.

*Figure 6-1. Platform prepared*

### 6-3. Preparing and Positioning Honeycomb Stacks

Prepare the honeycomb stacks for the SUSV as shown in Figures 6-2 and 6-3. Position the honeycomb stacks on the platform as shown in Figure 6-4.

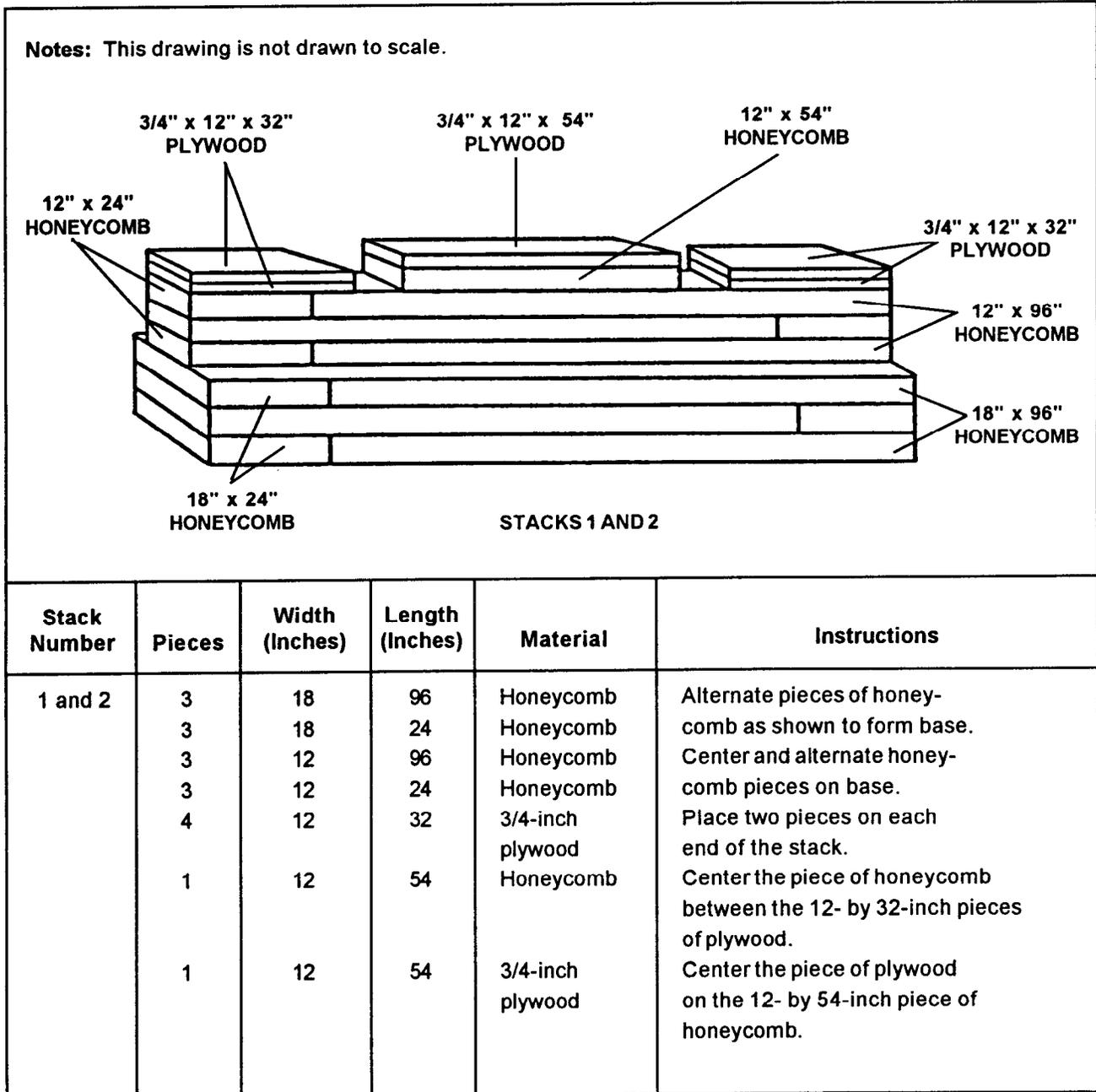


Figure 6-2. Stack 1 and 2 prepared

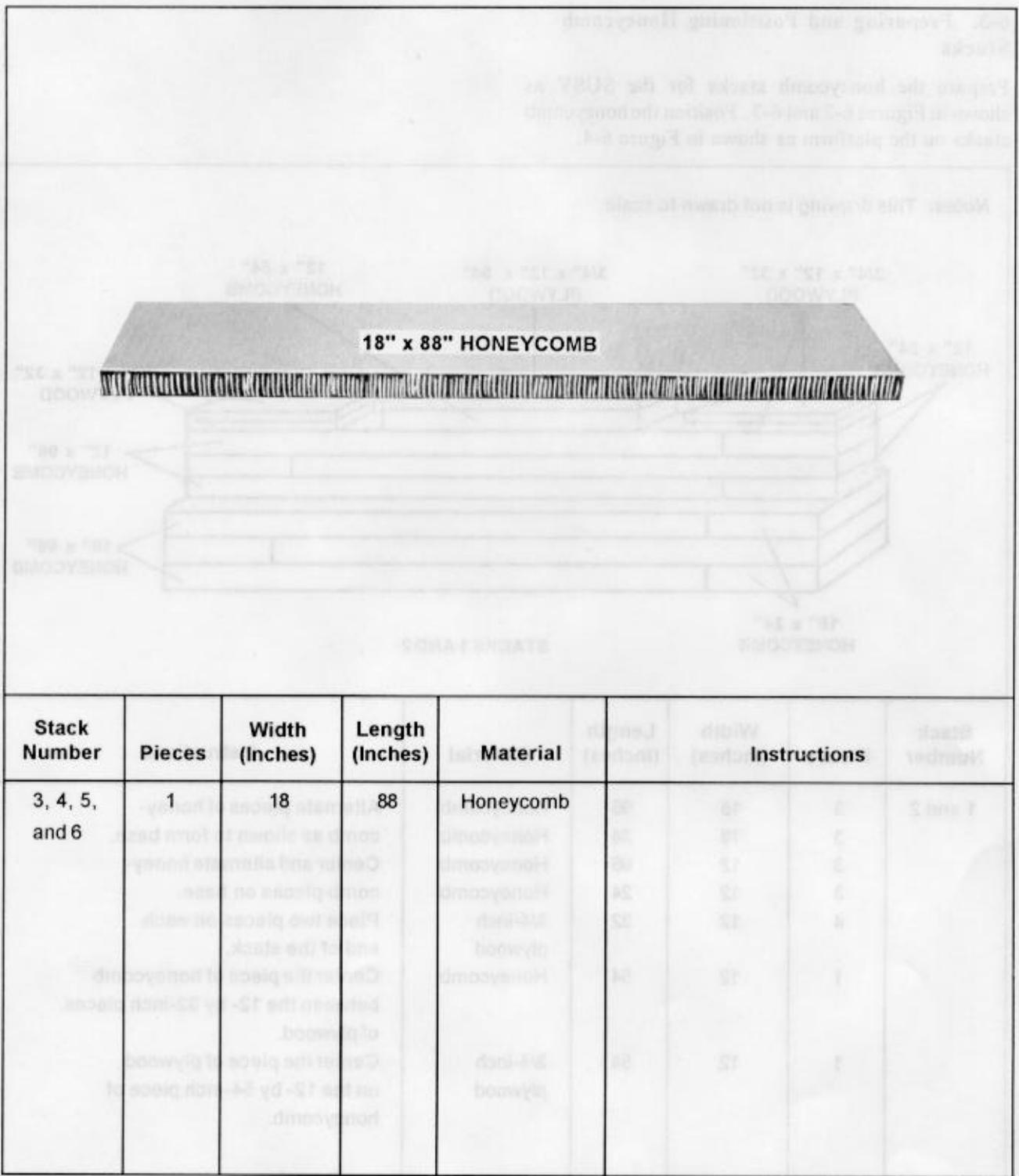
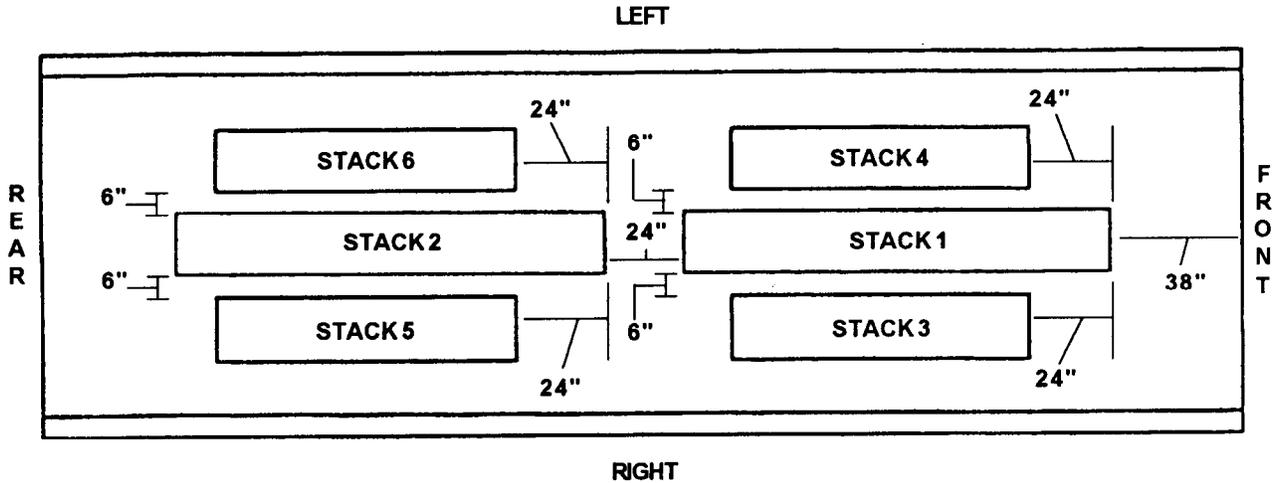


Figure 6-3. Stacks 3, 4, 5, and 6 prepared

Note: This drawing is not drawn to scale.



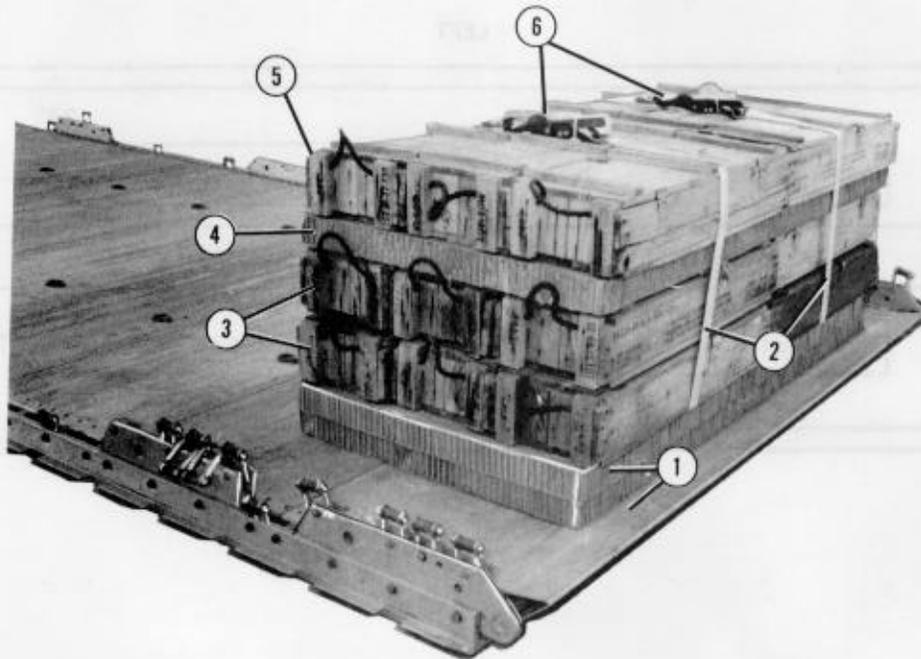
Stack Number	Position of Stack on Platform
1	Place stack: Center stack 1, 38 inches from the front edge of the platform.
2	Center stack 2, 24 inches to the rear of stack 1.
3	Position stack 3, 24 inches from the right front edge of stack 1, and 6 inches from the side of stack 1.
4	Position stack 4, 24 inches from the left front edge of stack 1, and 6 inches from the side of stack 1.
5	Position stack 5, 24 inches from the right front edge of stack 2, and 6 inches from the side of stack 2.
6	Position stack 6, 24 inches from the left front edge of stack 2, and 6 inches from the side of stack 2.

Figure 6-4. Honeycomb stacks positioned on platform

#### 6-4. Positioning Accompanying Load on Platform

Position and secure 18 boxes of 105-mm ammunition on the platform as shown in Figure 6-5.

**CAUTION:** The accompanying load must weigh 2,000 pounds. The center of balance is critical for this load.



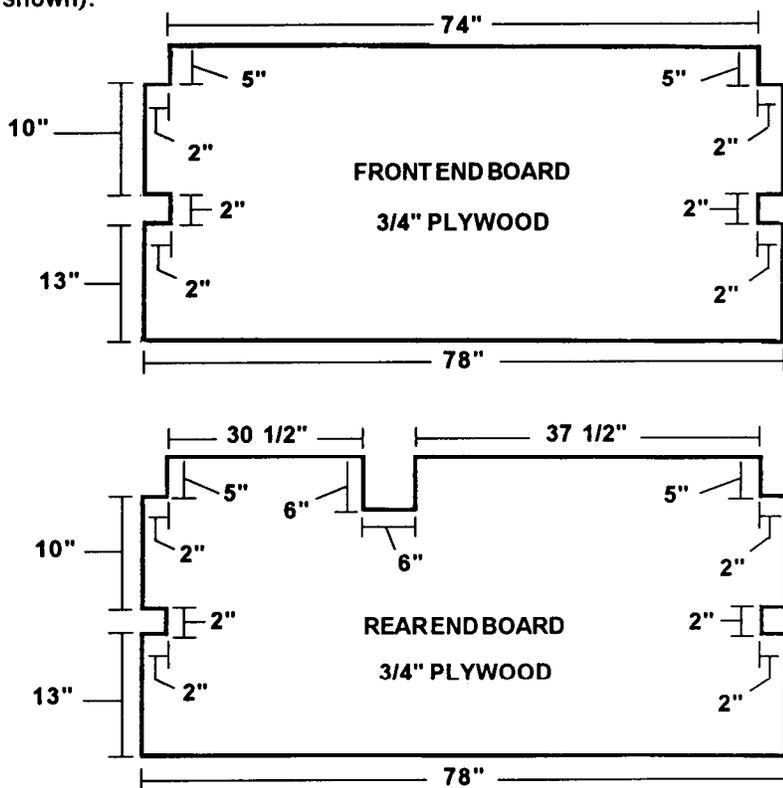
- ① Center two 78 1/2- by 36-inch pieces of honeycomb 1 inch from the front edge of the platform.  
**Note:** 1. Leave room for front end board to set on platform without nose bumper attached.  
2. Photograph is not showing all the honeycomb stacks (removed for viewing purposes).
- ② Evenly space two 15-foot lashings on the honeycomb.
- ③ Position 12 boxes of ammunition on the pre-positioned lashings to form 2 layers of ammunition.
- ④ Position an additional 78 1/2- by 36-in piece of honeycomb on top of the second layer of ammunition.
- ⑤ Position six boxes of ammunition on top of the 78 1/2- by 36-inch piece of honeycomb to form a third layer of ammunition.
- ⑥ Secure the pre-positioned lashings on top of the boxes of ammunition.

Figure 6-5. Accompanying load positioned and secured

**6-5. Building, Positioning, and Securing End Boards**

Build and position the two end boards as shown in Figure 6-6. Secure the end boards as shown in Figure 6-7.

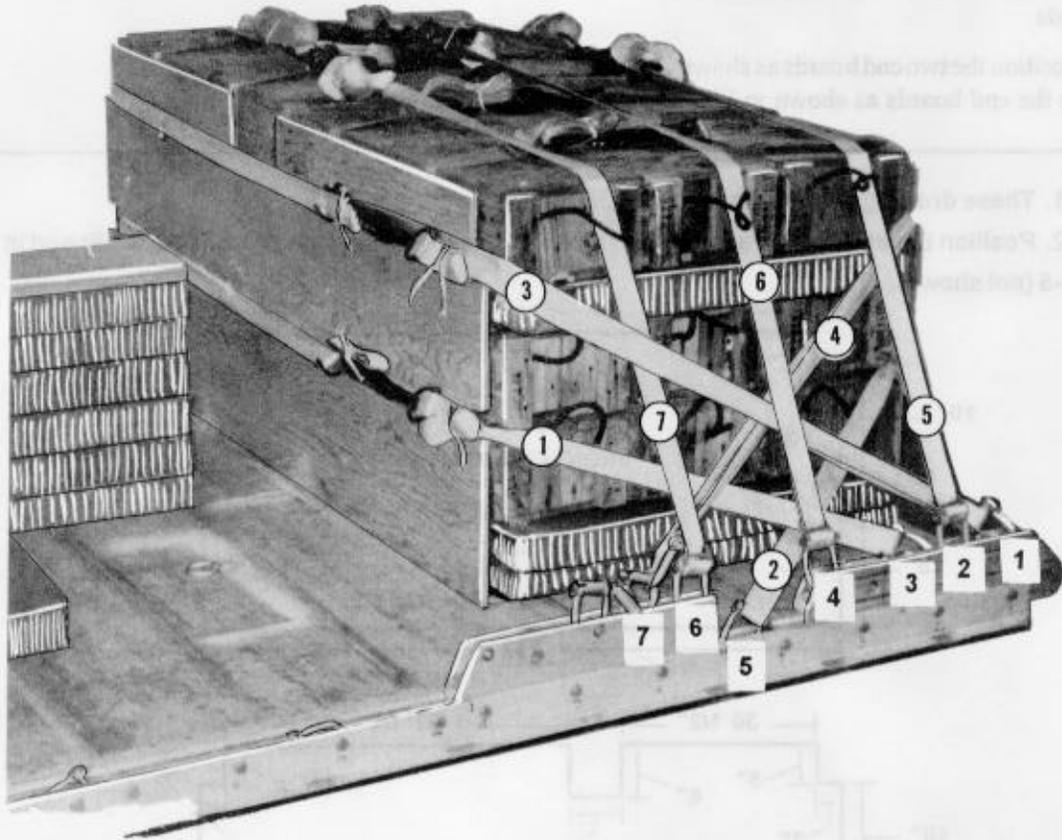
**Notes:** 1. These drawings are not drawn to scale.  
 2. Position the end boards against the front and rear of the ammunition boxes positioned in Figure 6-5 (not shown).



**Step:**

1. Cut one front end board from a piece of 3/4-inch plywood 78 inches in width by 30 inches in length.
2. Measure 13 inches from the bottom and make a 2 x 2 inch cut as shown in Figure 6-6.
3. Measure 10 inches from the 2 x 2 inch cut portion and make a 2 x 5 inch cut on top of the front end board as shown in Figure 6-6.
4. Repeat steps one through three to construct rear end board.
5. Measure 30 1/2 inches from the top left 2 x 5 inch cut portion on the rear end board. Cut a 6 x 6 inch cut as shown in Figure 6-6.

Figure 6-6. End boards built and positioned



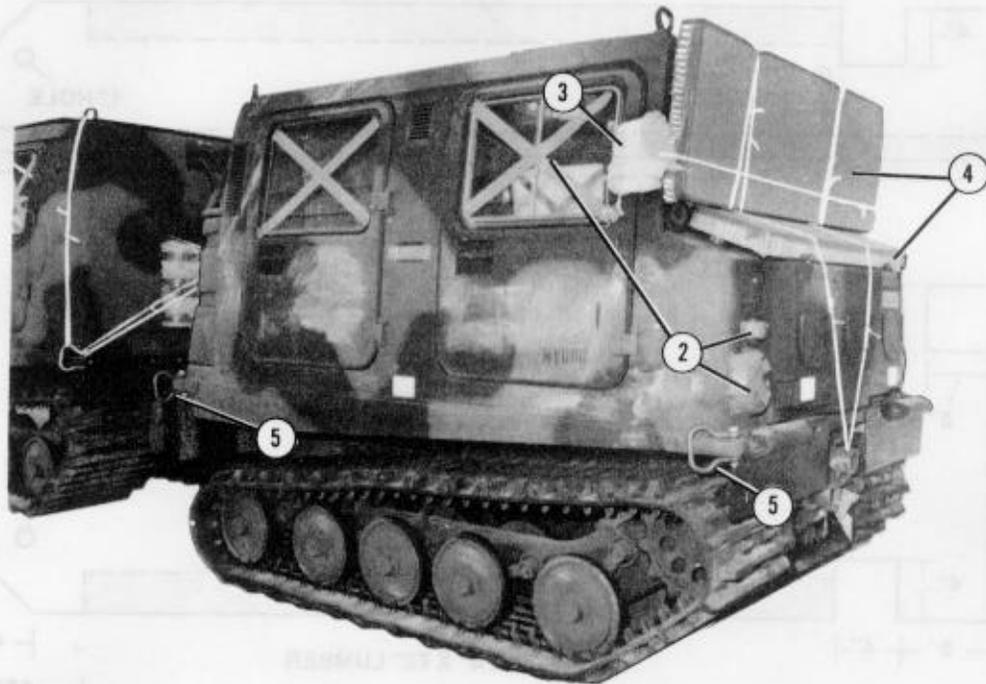
Lashing Number	Tie-down Clevis Number	Instructions
*1	3 and 3A	Install lashing: Through bottom notches, through both clevises, then secure the lashing on rear end board.
*2	5 and 5A	Through bottom notches, through both clevises, then secure the lashing on front end board.
*3	1 and 1A	Through top notches, through both clevises, then secure the lashing on rear end board.
*4	7 and 7A	Through top notches, through both clevises, then secure the lashing on front end board.
5	2 and 2A	Through each clevis, then secure both lashings on top of load.
6	4 and 4A	Through each clevis, then secure both lashings on top of load.
7	6 and 6A	Through each clevis, then secure both lashings on top of load.
*Denotes 30-foot lashings		

Figure 6-7. End boards secured

### 6-6. Preparing the SUSV

Prepare the SUSV as shown in Figures 6-8 through 6-13.

a. Prepare the front car as shown in Figures 6-8 and 6-9.

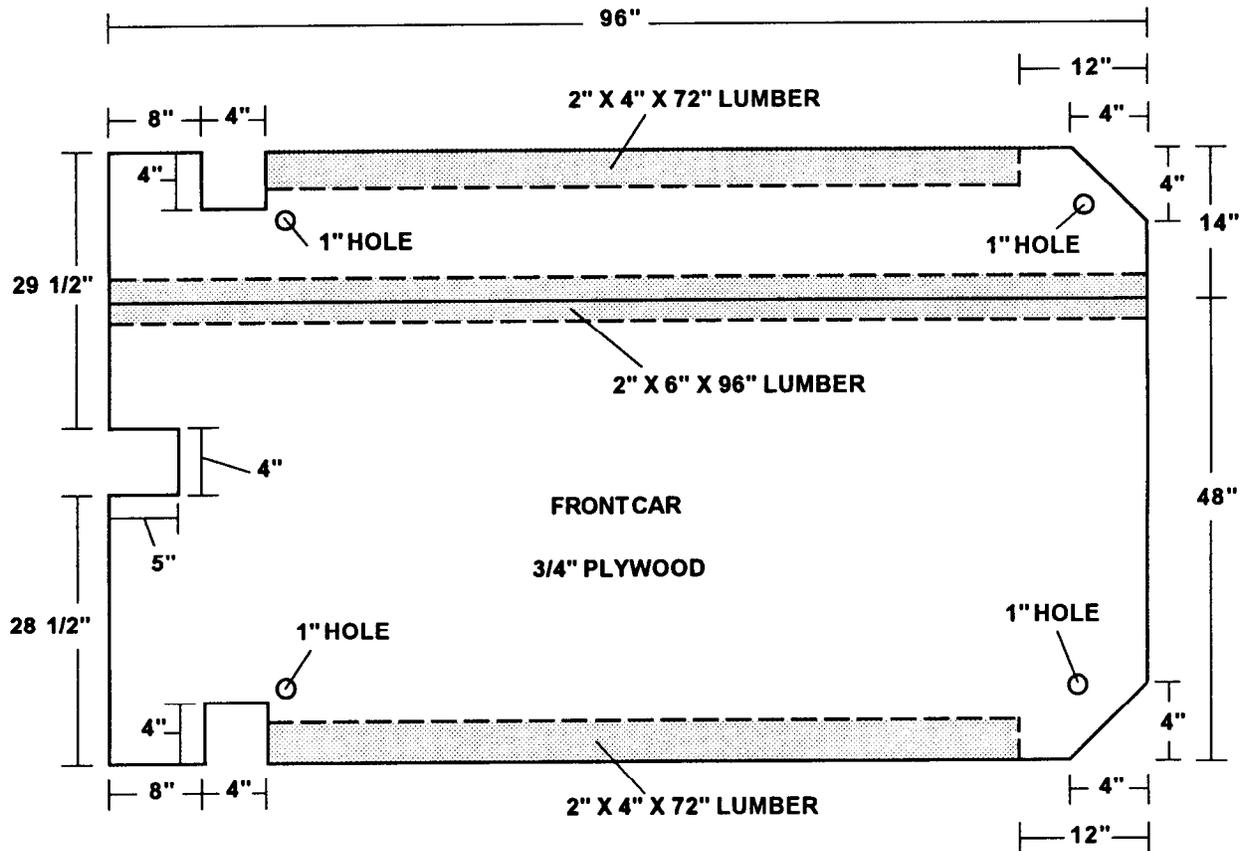


- ① Make sure each of the two fuel tanks are 3/4 full.
- ② Tape the front headlights, turn signals, windows and side reflectors.
- ③ Pad and tape both outside mirrors with cellulose wadding.
- ④ Fit and position two pieces of honeycomb to cover the windshield and front grill. Secure the honeycomb in place using type III nylon cord.
- ⑤ Install a medium clevis in each of the four holes on the corners of the front car.
- ⑥ Tape the instrument panel gauges inside the driver's compartment (not shown).
- ⑦ Tape the opening on the left side of the air breather on the rear of the front car (not shown).
- ⑧ Secure the steering wheel to the seat frame with type III nylon cord (not shown).

Figure 6-8. Front car prepared

**Notes:** 1. This drawing is not drawn to scale.

2. The plywood roof protector board for the front car will be positioned and secured after the load is positioned on the platform.



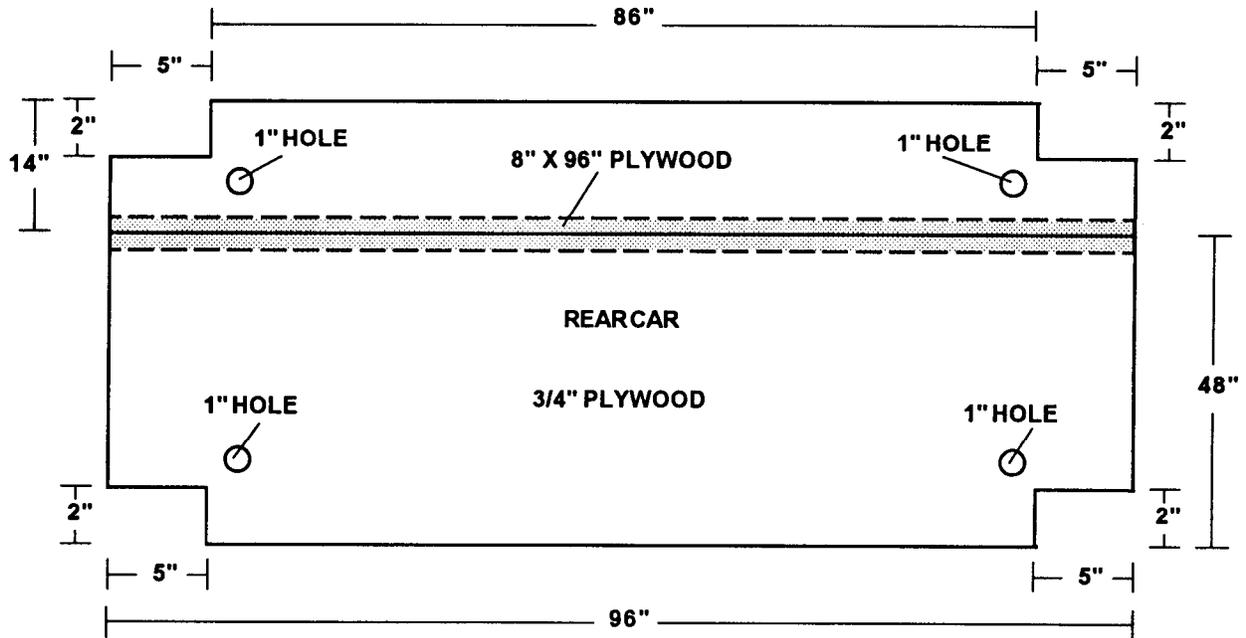
**Step:**

1. Prepare a roof protector board for the front car using a 3/4- by 48- by 96-inch piece of plywood and a 3/4- by 14- by 96-inch piece of plywood.
2. Join the pieces of plywood in step 1 by nailing a 2- by 6- by 96-inch piece of lumber on the bottom of the seam.
3. Make cutouts in the plywood using the above given dimensions.
4. Nail a 2- by 4- by 72-inch piece of lumber to the bottom left side of the roof protector 12 inches from the front edge and flush with the side.
5. Nail a 2- by 4- by 72-inch piece of lumber to the bottom right side of the roof protector 12 inches from the front edge and flush with the side.

Figure 6-9. Front car roof protector board built

b. Prepare the rear car as shown in Figures 6-10 through 6-13.

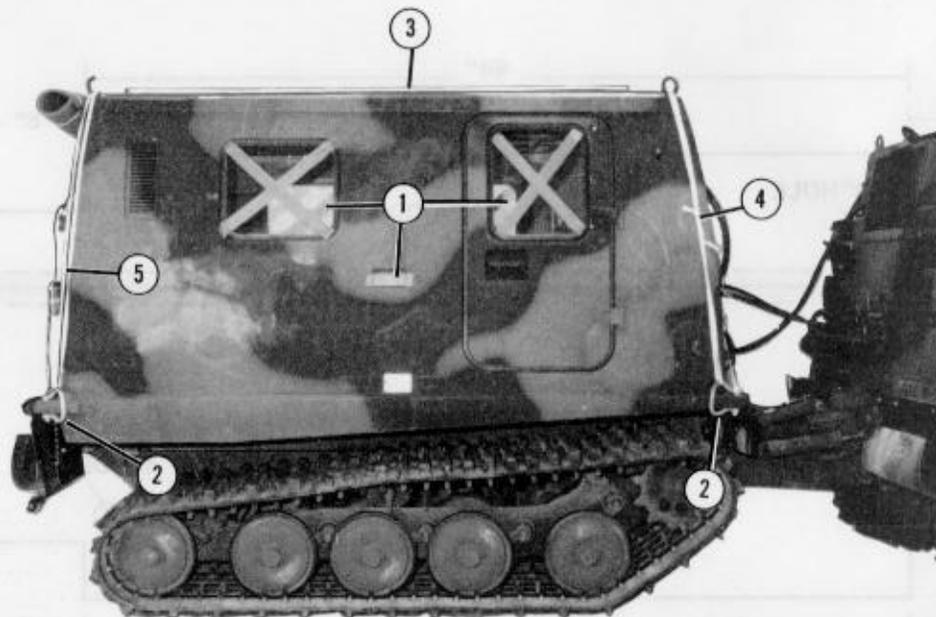
Note: This drawing is not drawn to scale.



**Step:**

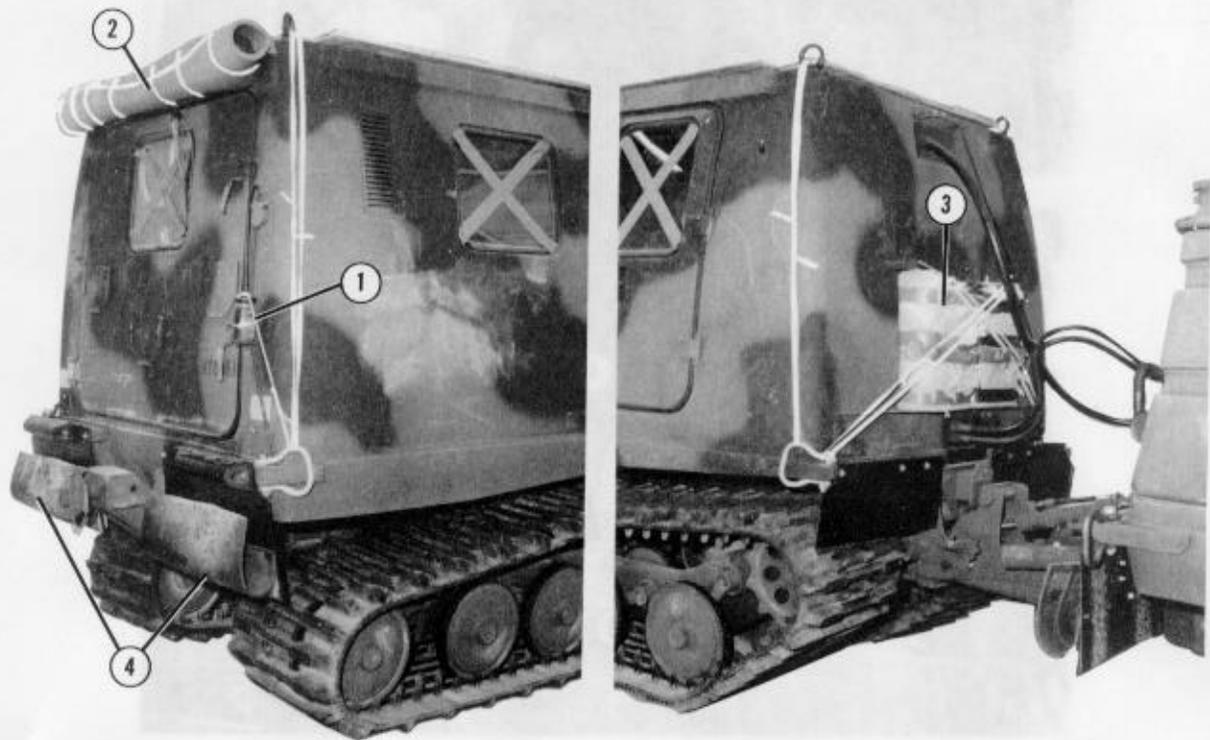
1. Prepare a roof protector board for the rear car using a 3/4- by 48- by 96-inch piece of plywood and a 3/4- by 14- by 96-inch piece of plywood.
2. Join the pieces of plywood in step 1 by nailing a 3/4- by 8- by 96-inch piece of plywood on top of the seam.
3. Make cutouts on the corners of the plywood using the above given dimensions.

Figure 6-10. Rear car roof protector board built



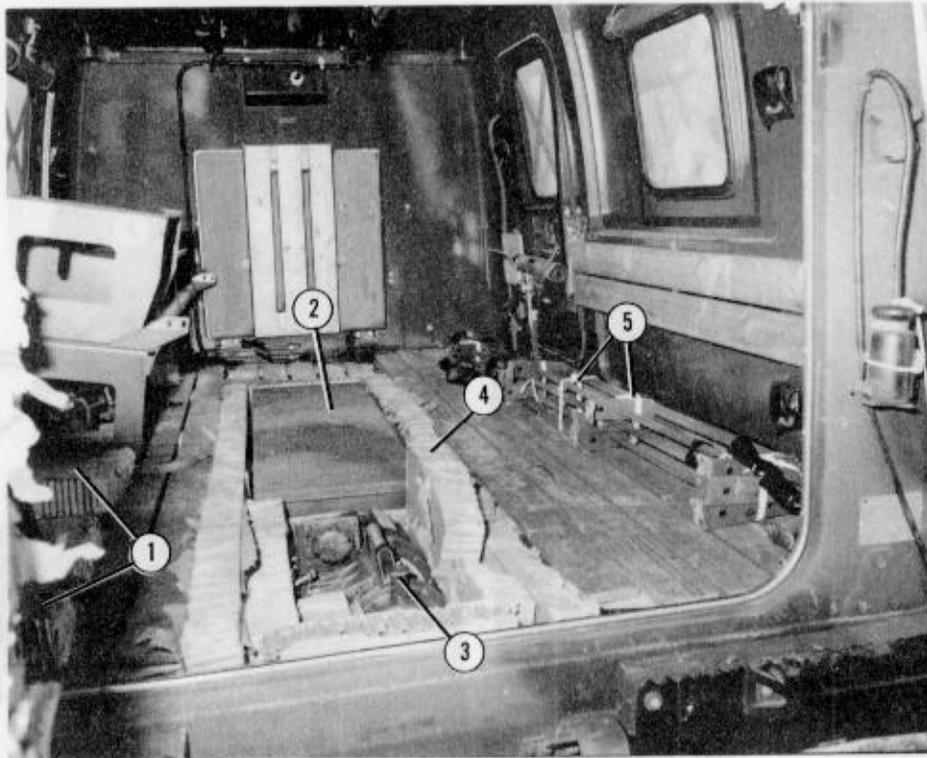
- ① Tape the turn signals, windows and side reflectors.
- ② Install a medium clevis in each of the four holes on the corners of the rear car.
- ③ Position the roof protector board on top of the rear car.
- ④ Secure the roof protector board by passing a length of 1/2-inch tubular nylon webbing through the right front 1-inch hole of the protector board, through the right front lifting point and medium clevis of the rear car.
- ⑤ Repeat step 4 for the other three corners of the car.

*Figure 6-11. Rear car roof protector board secured*



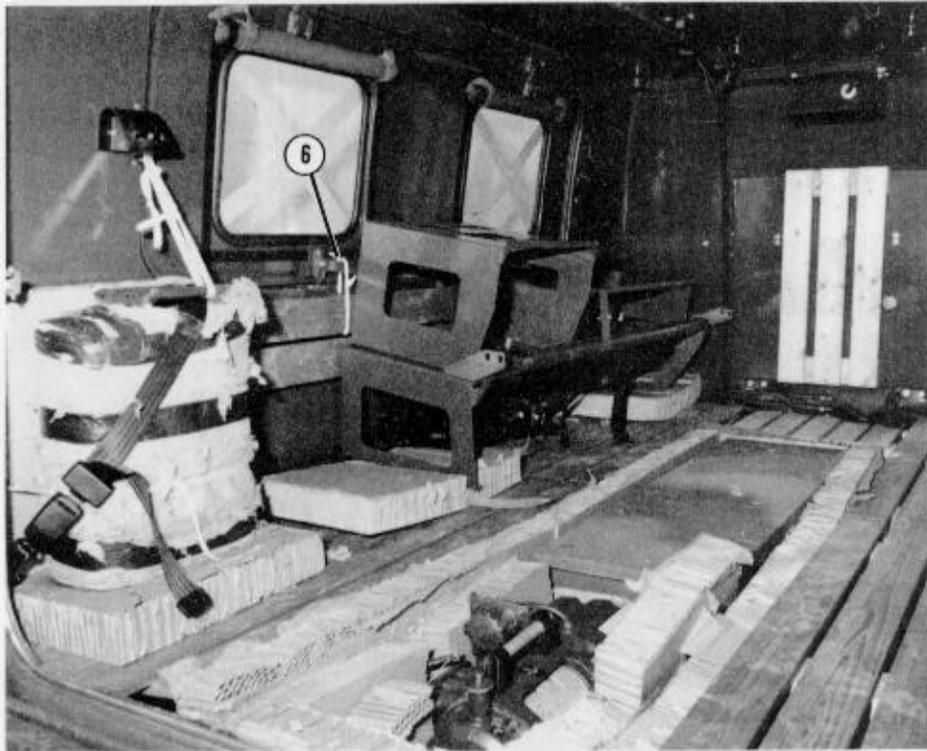
- ① Secure the trailer tail light cord with a length of type III nylon cord.
- ② Wrap a 1/2- by 18- by 57-inch piece of felt padding over the rear tail lights. Secure the felt padding in place using pieces of type III nylon cord.
- ③ Pad and tape two fuel cans with cellulose wadding. Strap the fuel cans on the front of the rear car in their storage compartments. Secure the fuel cans using two lengths of 1/2-inch tubular nylon webbing.
- ④ Raise the rear mud flaps and secure them in place with their own hook buttons.

*Figure 6-12. Outside of rear car prepared*



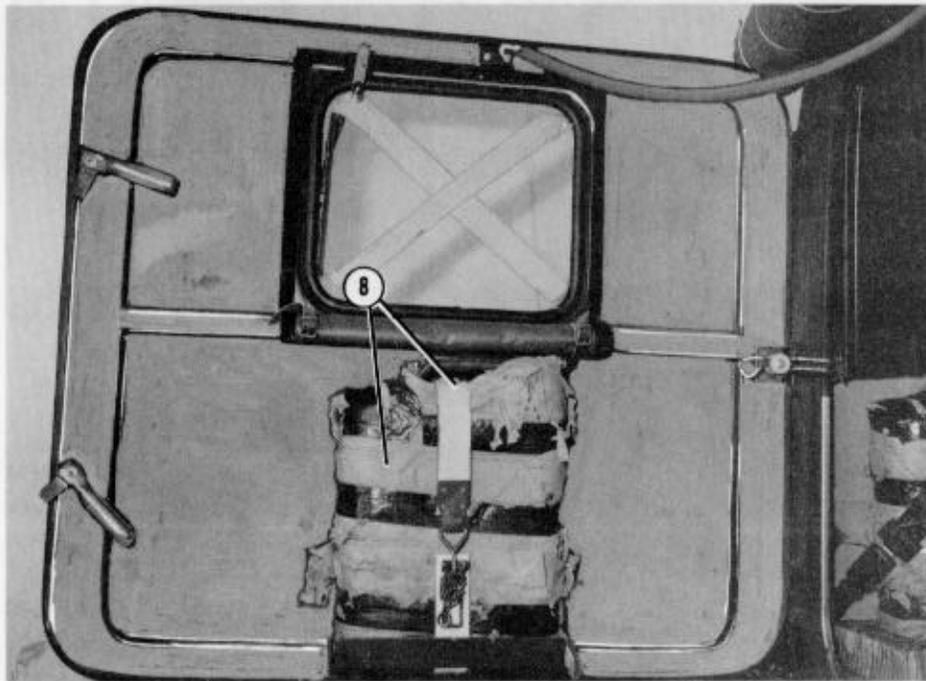
- ① Place a layer of honeycomb under the troop seats in the rear car.
- ② Place the OVM box between the troop seats.
- ③ Disconnect the winch and place it to the rear of the OVM box.
- ④ Use pieces of honeycomb as filler around the OVM box and the winch.
- ⑤ Place the rear car roof racks on the right troop seats. Secure the racks to the seats using 1/2-inch tubular nylon webbing.

*Figure 6-13. Inside of rear car prepared*



- ⑥ Secure the emergency escape window handles using type III nylon cord to the back of the left troop seats.

Figure 6-13. Inside of rear car prepared (continued)

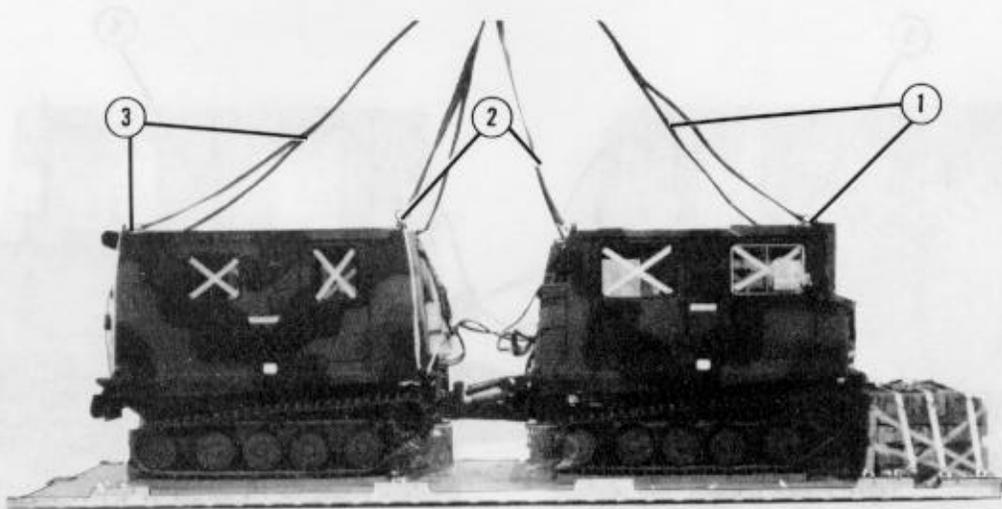


- ⑦ Place a layer of honeycomb on top of the OVM box and winch. Secure the honeycomb in place using four pieces of 1/2-inch tubular nylon webbing.
- ⑧ Pad and tape an additional fuel can with cellulose wadding. Place the fuel can in the fuel can compartment on the inside of the rear door. Secure the fuel can using the securing straps.

*Figure 6-13. Inside of rear car prepared (continued)*

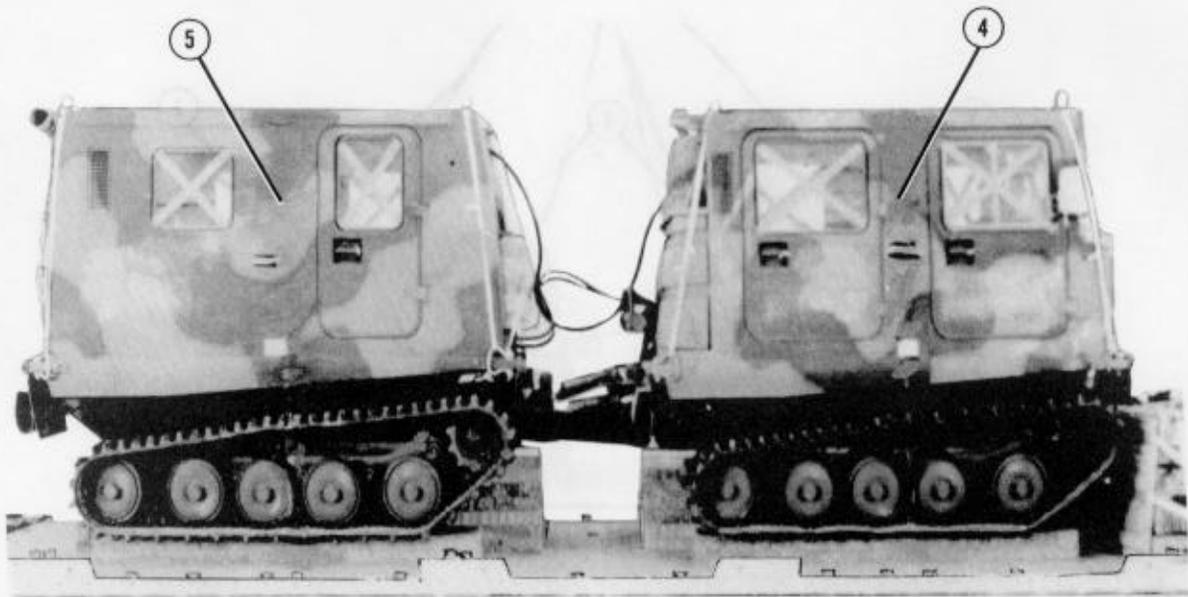
### 6-7. Positioning the SUSV on Platform

Position the SUSV on the platform using a crane as shown in Figure 6-14.



- ① Attach two 12-foot (2-loop), type XXVI nylon webbing slings to the front lifting provisions of the front car using two medium clevises. Pass a 3-foot (2-loop), type XXVI nylon webbing sling through the free ends of the 12-foot slings. Attach the free ends of the 3-foot (2-loop) type XXVI nylon webbing sling to the crane hook.
- ② Attach four 9-foot (2-loop), type XXVI nylon webbing slings to the four lifting provisions in the center of the vehicle using four medium clevises. Attach the other end of the slings to a 3-foot sling and form a donut.
- ③ Attach two 12-foot (2-loop), type XXVI nylon webbing slings to the rear lifting provisions of the rear car using two medium clevises. Pass a 3-foot (2-loop), type XXVI nylon webbing sling through the free ends of the 12-foot slings. Attach the free ends of the 3-foot sling to the crane hook.

Figure 6-14. SUSV positioned on platform



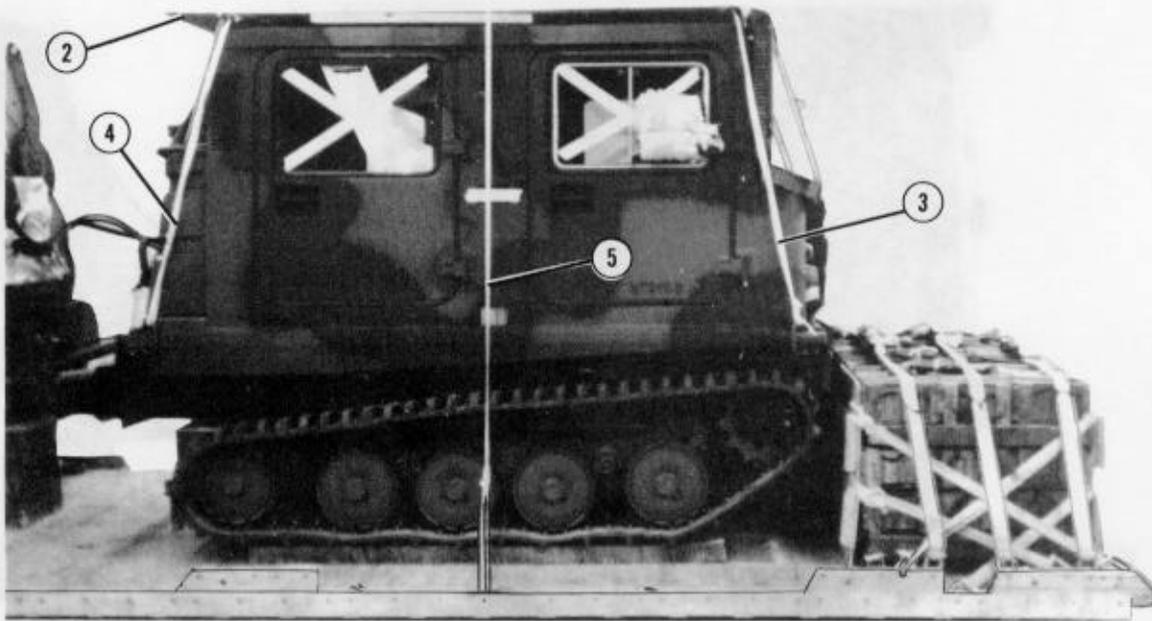
- ④ Position the front car squarely on honeycomb stack 1, and center on the platform.
- ⑤ Position the rear car squarely on honeycomb stack 2, and center on the platform.

**Note:** Honeycomb stacks 3, 4, 5 and 6 may need to be adjusted to fit directly under the vehicle track road wheels.

*Figure 6-14. SUSV positioned on platform (continued)*

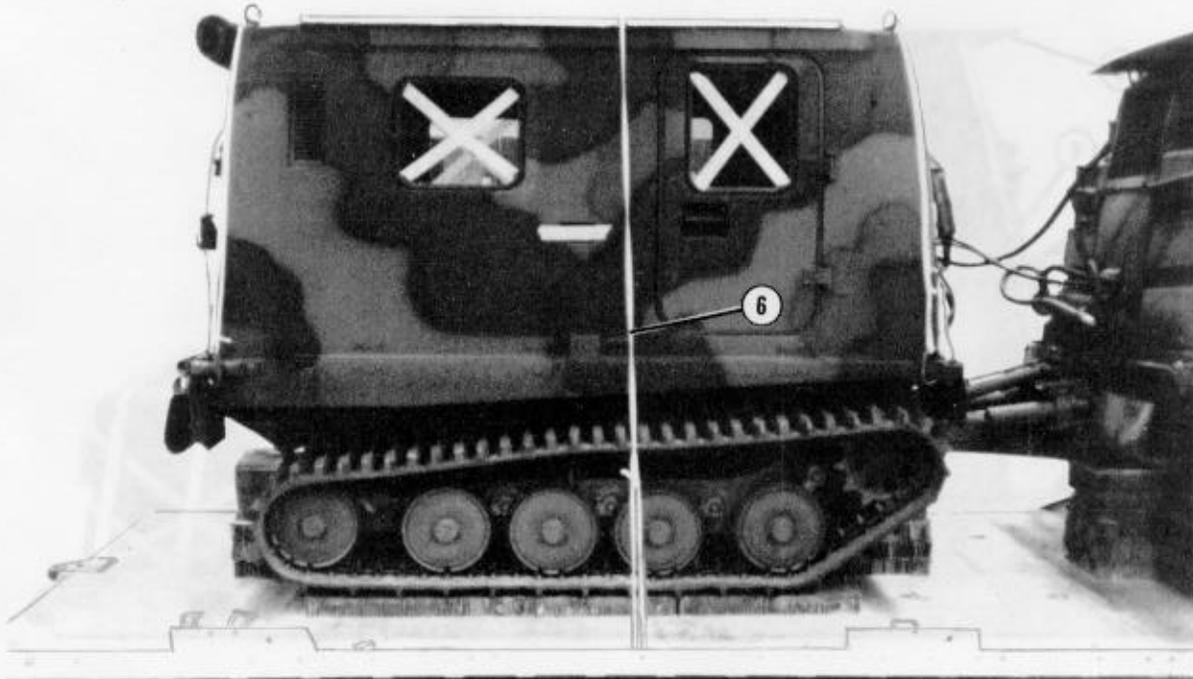
### 6-8. Preparing SUSV After Positioning

Prepare the SUSV after positioning as shown in Figure 6-15.



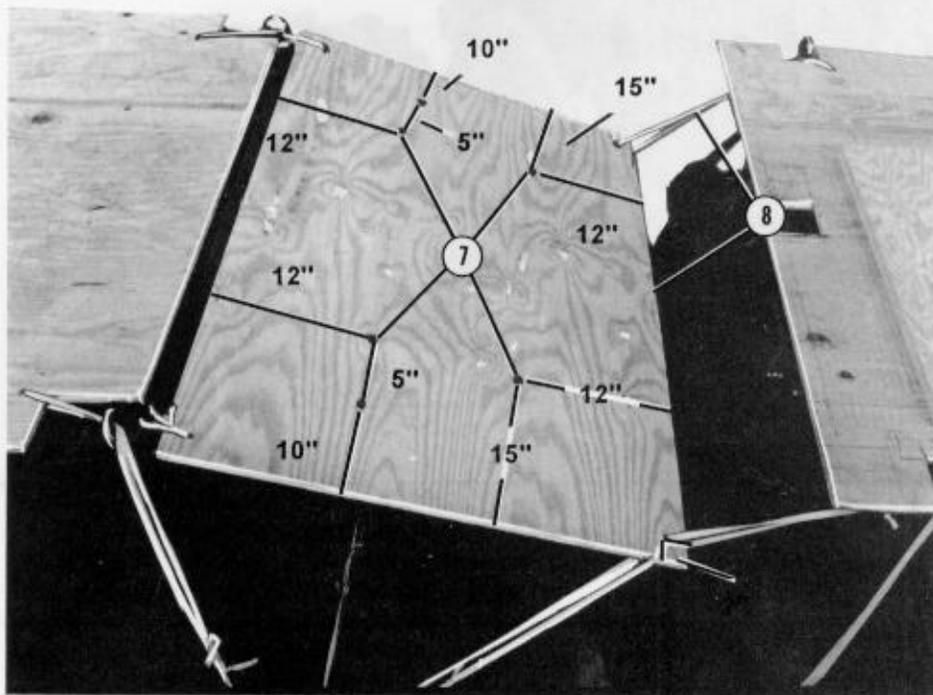
- ① Remove the front lifting provisions from the front car (not shown).
- ② Position the roof protective board built in Figure 6-9 on top of the front car.
- ③ Secure the roof protector board by passing a length of 1/2-inch tubular nylon webbing through the right front 1-inch hole of the protector board, and through the right front medium clevis of the front car.
- ④ Repeat step 3 for the other three corners of the front car.
- ⑤ Pass a length of 1/2-inch tubular nylon webbing from bushing 17, over the front car, and secure it to bushing 17A.

Figure 6-15. SUSV prepared after positioning



- ⑥ Pass a length of 1/2-inch tubular nylon webbing from bushing 41, over the rear car, and secure it to bushing 41A.

Figure 6-15. SUSV prepared after positioning (continued)



⑦ Drill 1/2-inch holes in a 3/4- by 59- by 42-inch piece of plywood as shown.

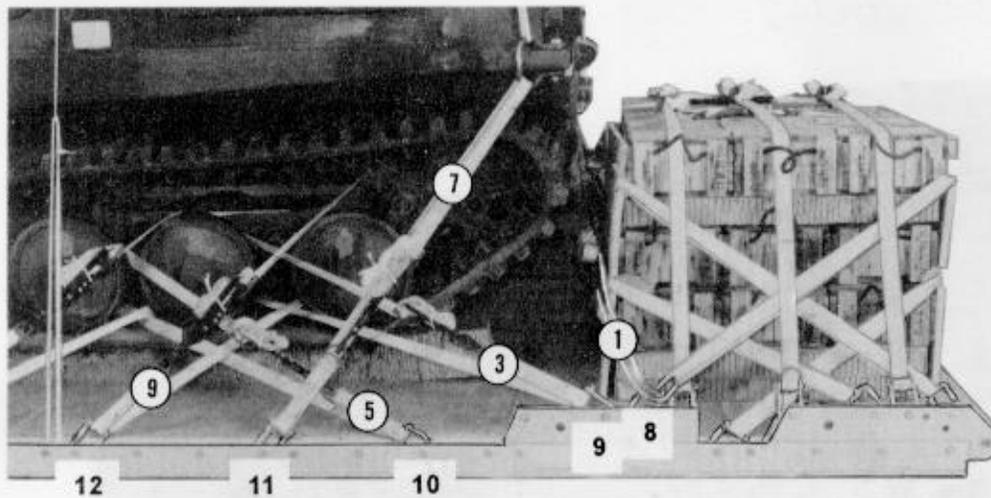
⑧ Position the plywood between both cars at a 25- to 30-degree angle. Secure the plywood to both cars using 1/2-inch tubular nylon webbing.

**Note:** The plywood is required to position the M-2 release system.

Figure 6-15. SUSV prepared after positioning (continued)

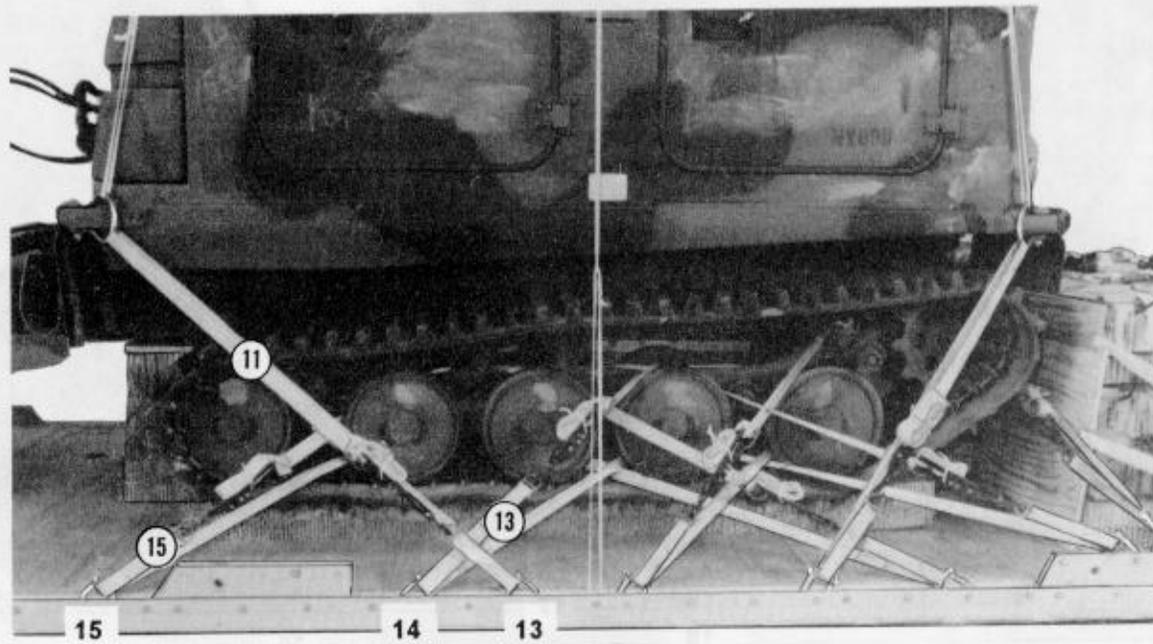
### 6-9. Lashing the SUSV

Lash the SUSV to the platform with sixty 15-foot tie-down assemblies. Install the lashings according to FM 10-500-2/TO 13C7-1-5 and as shown in Figure 6-16.



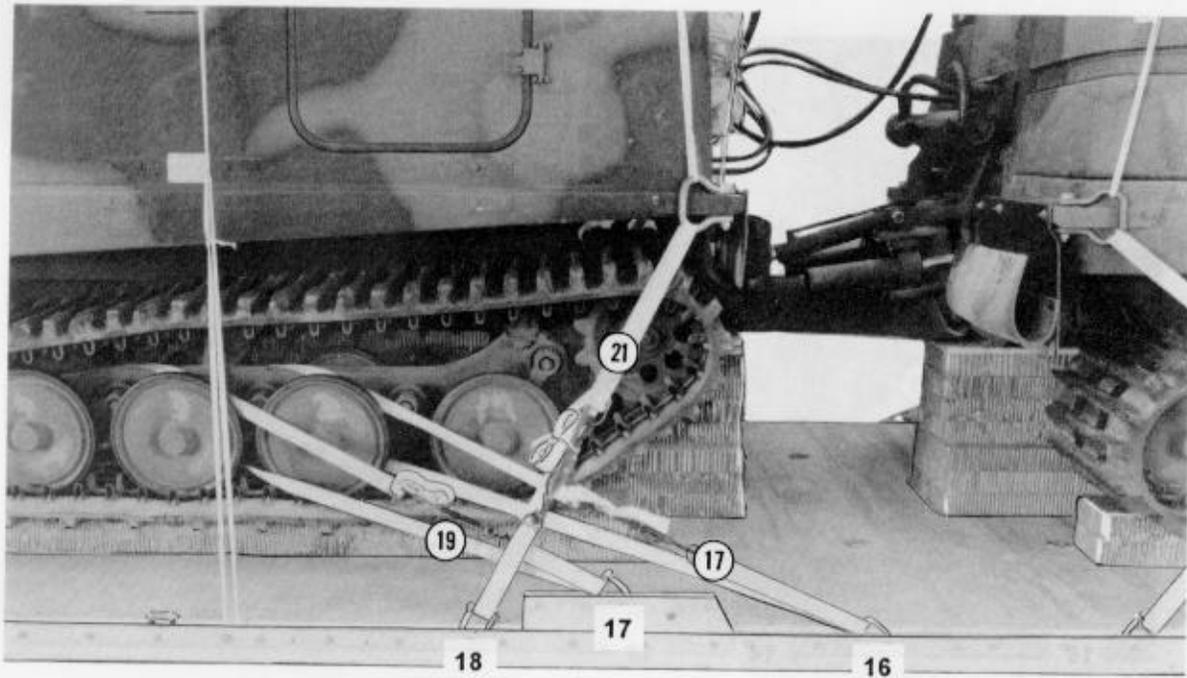
Lashing Number	Tie-down Clevis Number	Instructions
1	8	Install lashing: Around towing pin.
2	8A	Around towing pin.
3	9	Over track frame and to the rear of inside pivot arm shoulder of second road wheel, right side.
4	9A	Over track frame and to the rear of inside pivot arm shoulder of second road wheel, left side.
5	10	Over track frame and to the rear of inside pivot arm shoulder of third road wheel, right side.
6	10A	Over track frame and to the rear of inside pivot arm shoulder of third road wheel, left side.
7	11	Through right front medium clevis.
8	11A	Through left front medium clevis.
9	12	Around track frame support and to the rear of inside pivot arm shoulder of first road wheel, right side.
10	12A	Around track frame support and to the rear of inside pivot arm shoulder of first road wheel, left side.

Figure 6-16. Lashings installed



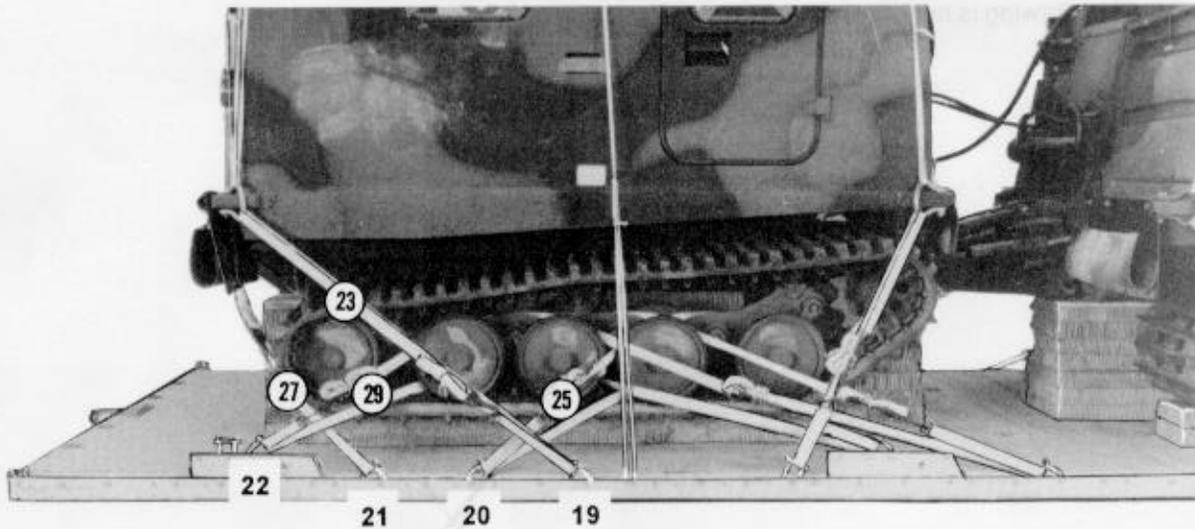
Lashing Number	Tie-down Clevis Number	Instructions
11	13	Install lashing: Through right rear medium clevis on front car.
12	13A	Through left rear medium clevis on front car.
13	14	Around track frame support and to the rear of inside pivot arm shoulder of second road wheel, right side.
14	14A	Around track frame support and to the rear of inside pivot arm shoulder of second road wheel, left side.
15	15	Around track frame support and to the rear of inside pivot arm shoulder of fourth road wheel, right side.
16	15A	Around track frame support and to the rear of inside pivot arm shoulder of fourth road wheel, left side.

Figure 6-16. Lashings installed (continued)



Lashing Number	Tie-down Clevis Number	Instructions
17	16	Install lashing: Around track frame support and to the rear of inside pivot arm shoulder of third road wheel of rear car, right side.
18	16A	Around track frame support and to the rear of inside pivot arm shoulder of third road wheel of rear car, left side.
19	17	Around track frame support and to the rear of inside pivot arm shoulder of fourth road wheel of rear car, right side.
20	17A	Around track frame support and to the rear of inside pivot arm shoulder of fourth road wheel of rear car, left side.
21	18	Through right front medium clevis on rear car.
22	18A	Through left front medium clevis on rear car.

Figure 6-16. Lashings installed (continued)



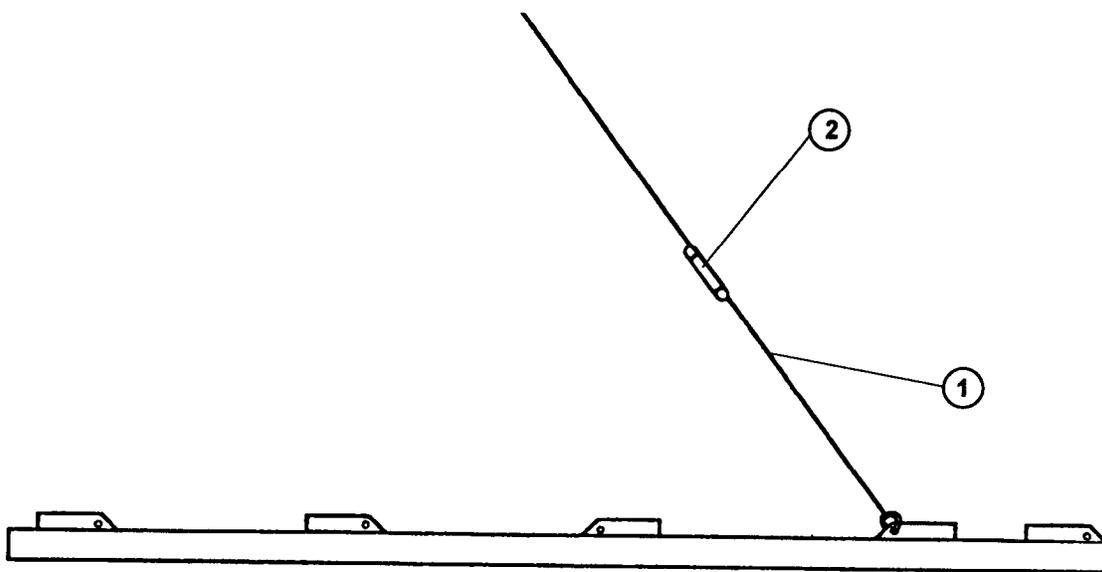
Lashing Number	Tie-down Clevis Number	Instructions
23	19	Install lashing: Through right rear medium clevis on rear car.
24	19A	Through left rear medium clevis on rear car.
25	20	Around track frame support and to the rear of inside pivot arm shoulder of second road wheel of rear car, right side.
26	20A	Around track frame support and to the rear of inside pivot arm shoulder of second road wheel of rear car, left side.
27	21	Through tow pintle, right side.
28	21A	Through tow pintle, left side.
29	22	Around track frame support and to the rear of inside pivot arm shoulder of fourth road wheel of rear car, right side.
30	22A	Around track frame support and to the rear of inside pivot arm shoulder of fourth road wheel of rear car, left side.

Figure 6-16. Lashings installed (continued)

### 6-10. Installing Suspension Slings

Install the suspension slings as shown in Figure 6-17.

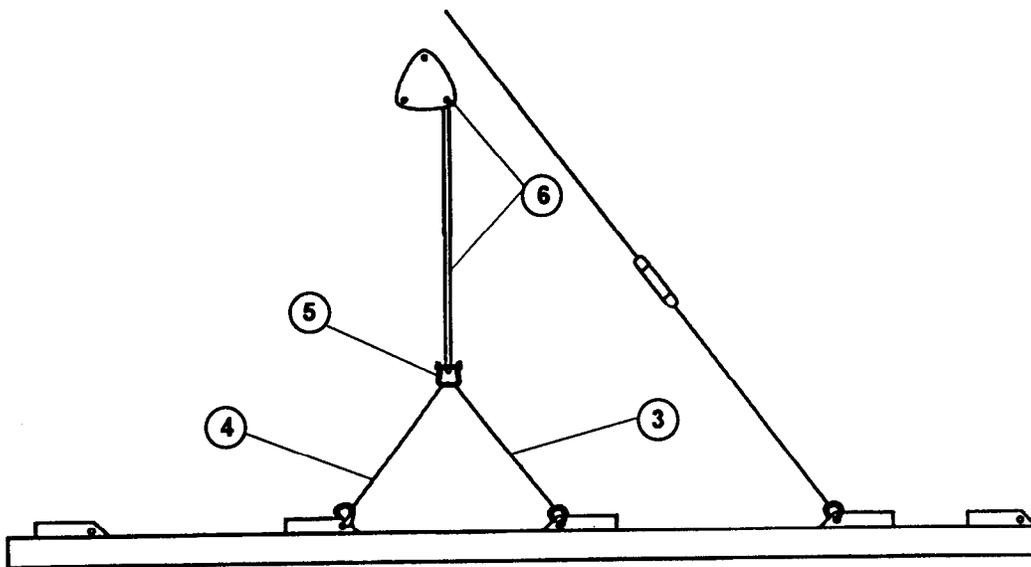
**Note:** This drawing is not drawn to scale.



- ① Attach a 20-foot (4-loop), type XXVI nylon webbing sling to the bell portion of a large suspension clevis. Bolt the large suspension clevis to the first suspension link on the right side of the platform.
- ② Pad the front sling where it touches the load with felt. Tape the felt in place.

*Figure 6-17. Suspension slings installed*

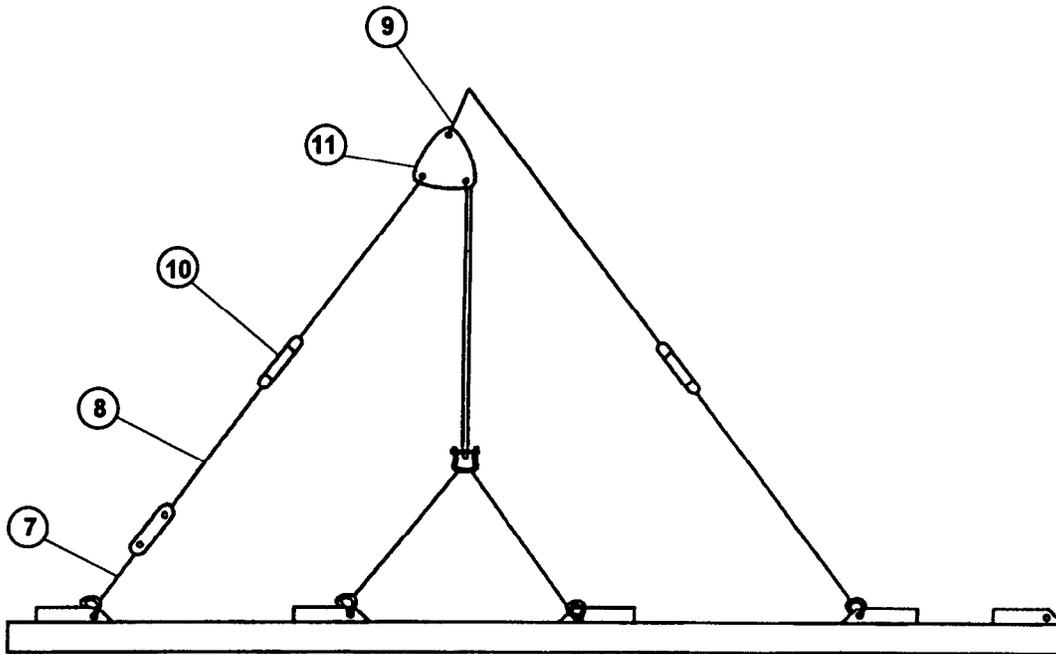
**Note:** This drawing is not drawn to scale.



- ③ Attach a 3-foot (4-loop), type XXVI nylon webbing sling to the bell portion of a large suspension clevis. Bolt the large suspension clevis to the second suspension link on the right side of the platform.
- ④ Attach a 3-foot (4-loop), type XXVI nylon webbing sling to the bell portion of a large suspension clevis. Bolt the large suspension clevis to the third suspension link on the right side of the platform.
- ⑤ Attach the free ends of both 3-foot slings to the bell portion of a large suspension clevis on the right side of the platform.
- ⑥ Attach a 12-foot (4-loop), type XXVI nylon webbing sling to the bolt of the large suspension clevis (used in step 5). Attach the free end of the sling to one end of a three point link.

*Figure 6-17. Suspension slings installed (continued)*

**Note:** This drawing is not drawn to scale.

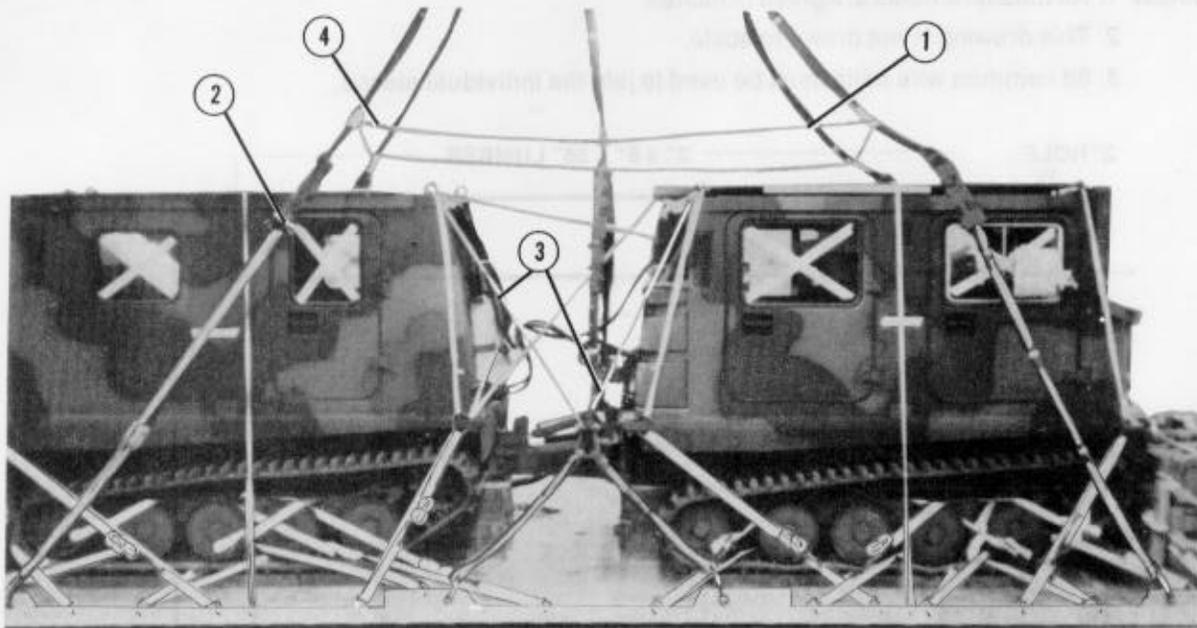


- ⑦ Attach a 3-foot (4-loop), type XXVI nylon webbing sling to the bell portion of a large suspension clevis. Attach the suspension clevis to the fourth suspension link. Attach the free end of the sling to a 3 3/4-inch two-point link.
- ⑧ Attach the end of a 16-foot (4-loop), type XXVI nylon webbing sling to the other point of the two-point link. Attach the other end of the sling to the three-point link described in step 6.
- ⑨ Attach a 3-foot (4-loop), type XXVI nylon webbing sling to the top spacer of the three-point link.
- ⑩ Pad the rear sling with felt where the sling touches the load. Tape the felt in place.
- ⑪ Pad the three-point link with felt. Tape the felt in place.
- ⑫ Repeat steps 1 through 11 for the left side of the platform.

*Figure 6-17. Suspension slings installed (continued)*

### 6-11. Safeying the Suspension Slings

Safey the suspension slings as shown in Figure 6-18.



- ① Raise the suspension slings above the load.
- ② Safety tie the front and rear suspension slings with lengths of type III nylon cord.
- ③ Safety tie the large clevis of the center suspension slings to the load using type III nylon cord.
- ④ Install a suspension sling safety tie to the suspension slings according to FM 10-500-2/TO 13C7-1-5.

Figure 6-18. Suspension slings safetied

**6-12. Building, Positioning and Securing Parachute Stowage Platform and Honeycomb Stack Supports**

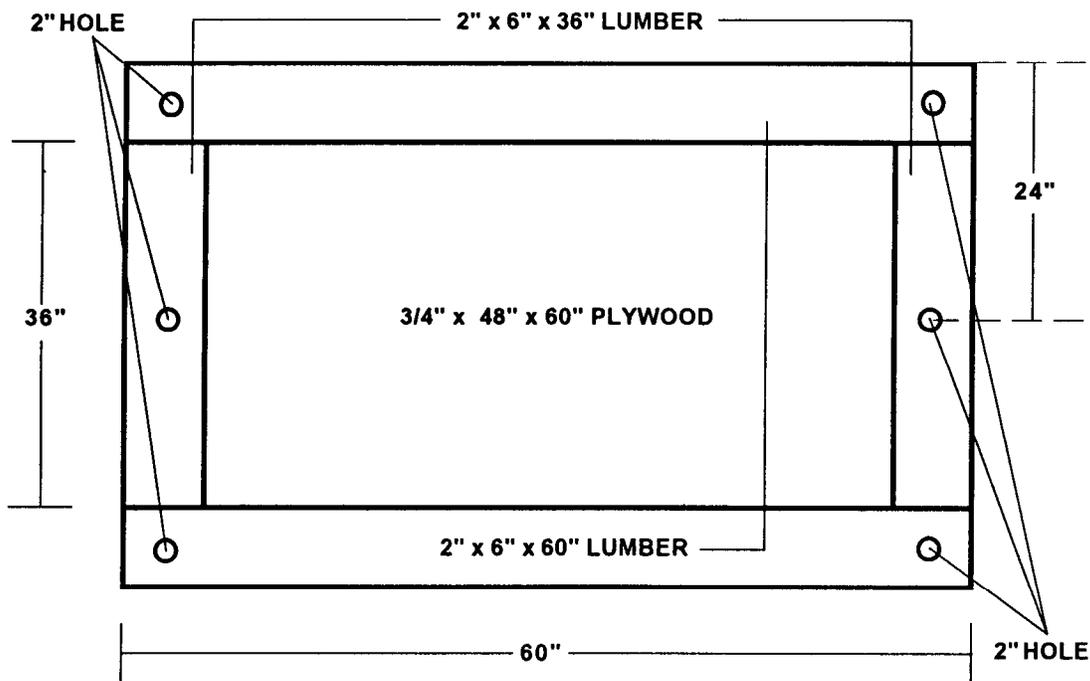
Build, position and secure the parachute stowage platform as described below.

**a. Building Honeycomb Support Stacks.** Build and position two support stacks for the stowage platform as shown in Figure 6-19.

**b. Building Stowage Platform.** Build a stowage platform as shown in Figure 6-20.

**c. Securing Stowage Platform.** Secure the stowage platform as shown in Figure 6-21.

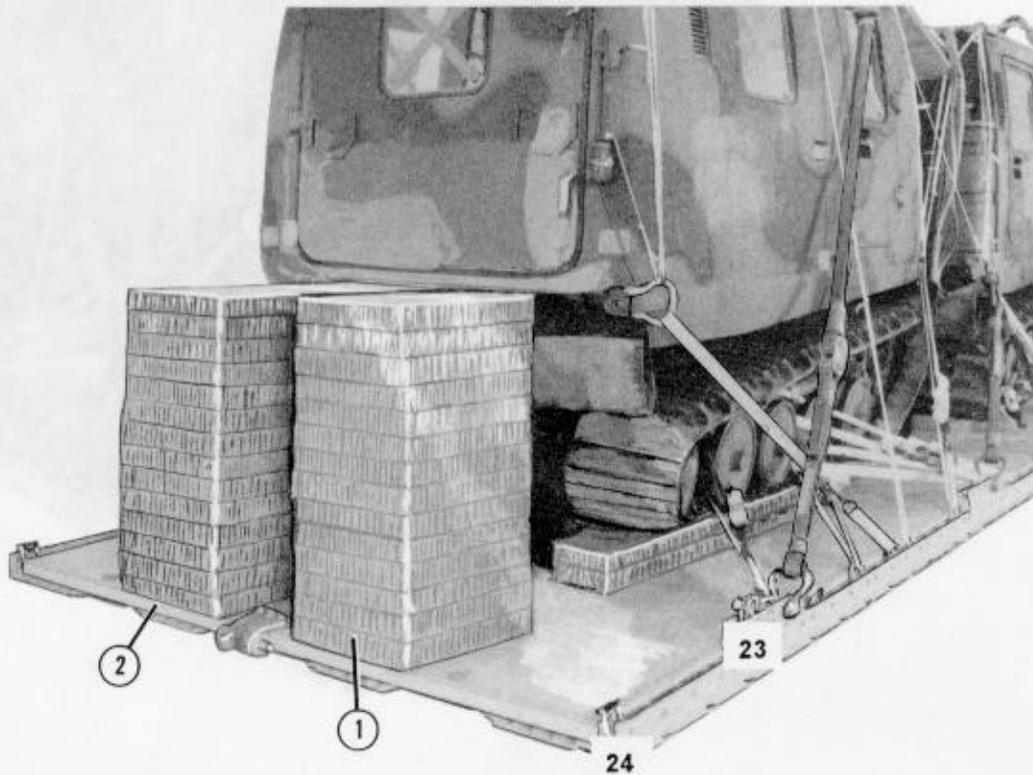
- Notes:**
1. All measurements are given in inches.
  2. This drawing is not drawn to scale.
  3. 8d common wire nails must be used to join the individual pieces.



**Step:**

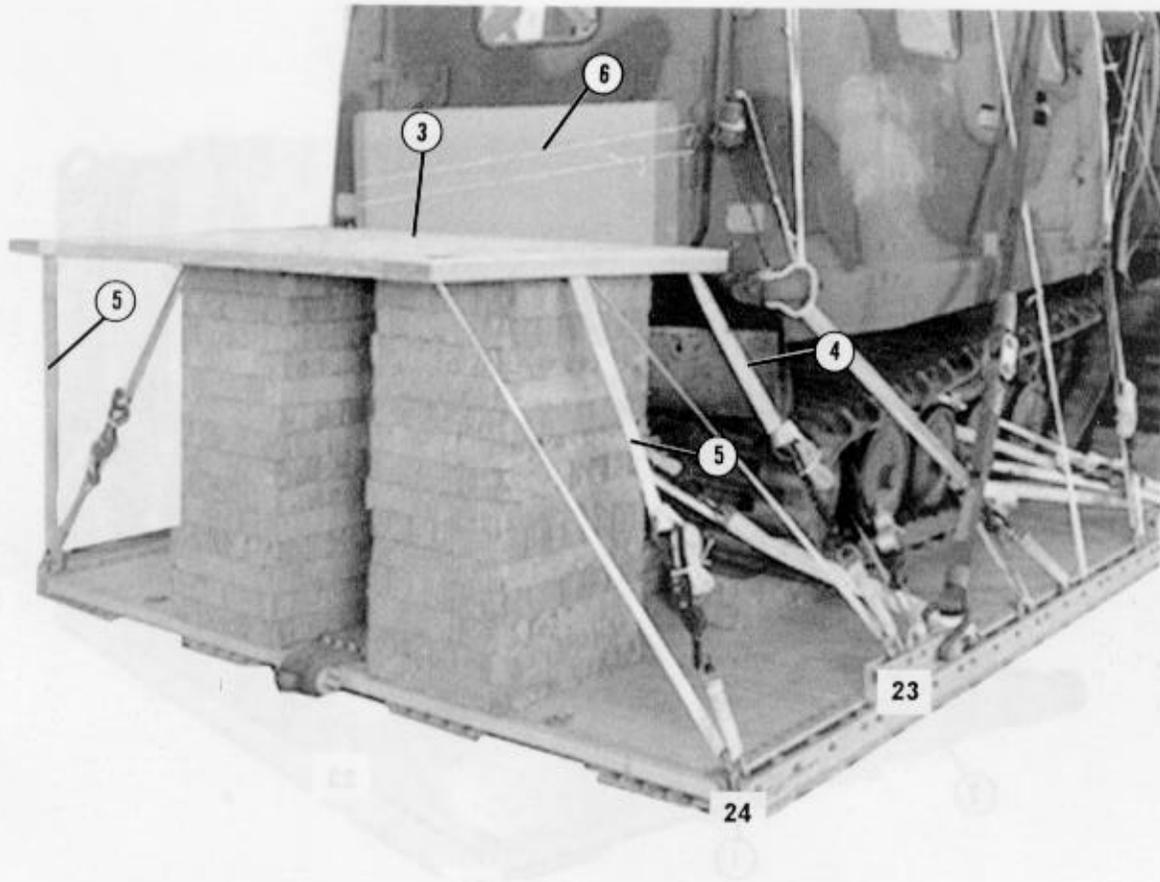
1. Use a 3/4- by 48- by 60-inch piece of plywood.
2. Nail a 2- by 6- by 36-inch piece of lumber to each side of the plywood as shown.
3. Nail a 2- by 6- by 60-inch piece of lumber flush with the front and rear edges of the plywood.
4. Drill a 2-inch hole 3 inches in diagonally from each corner and center a 2-inch hole 2 inches in from the 48- inch sides as shown.

*Figure 6-19. Honeycomb support stacks built and positioned*



- ① Build two honeycomb stacks using fifteen 18- by 24-inch pieces of honeycomb to support the parachute stowage platform.
- ② Position the honeycomb support stacks flush with the rear edge of the platform and 28-inches from the right and left side rails.

Figure 6-20. Parachute stowage platform built

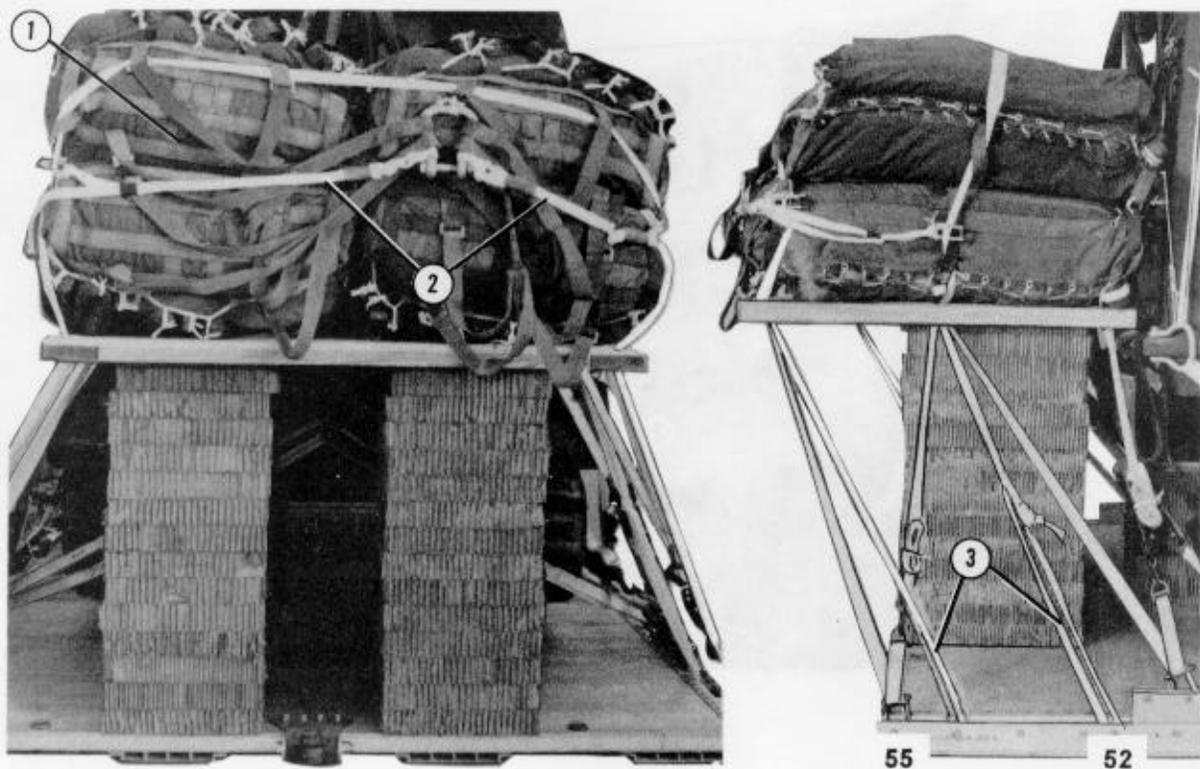


- ③ Center the parachute stowage platform on the honeycomb support stacks.
- ④ Pass a 15-foot lashing through the center and front holes on each side of the parachute stowage platform and secure the lashings to clevises 23 and 23A.
- ⑤ Pass a 15-foot lashing through the center and rear holes on each side of the parachute stowage platform and secure the lashings to clevises 24 and 24A.
- ⑥ Position a 48- by 36-inch piece of honeycomb across the lower half of the rear door. Secure the honeycomb to the car using type III nylon cord.

Figure 6-21. Parachute stowage platform positioned and secured

### 6-13. Stowing Cargo Parachutes

Stow four G-11B cargo parachutes on the load according to FM 10-500-2/TO 13C7-1-5 and as shown in Figure 6-22.



① Prepare, position and cluster four G-11B cargo parachutes on the parachute stowage platform as shown in FM 10-500-2/TO 13C7-1-5.

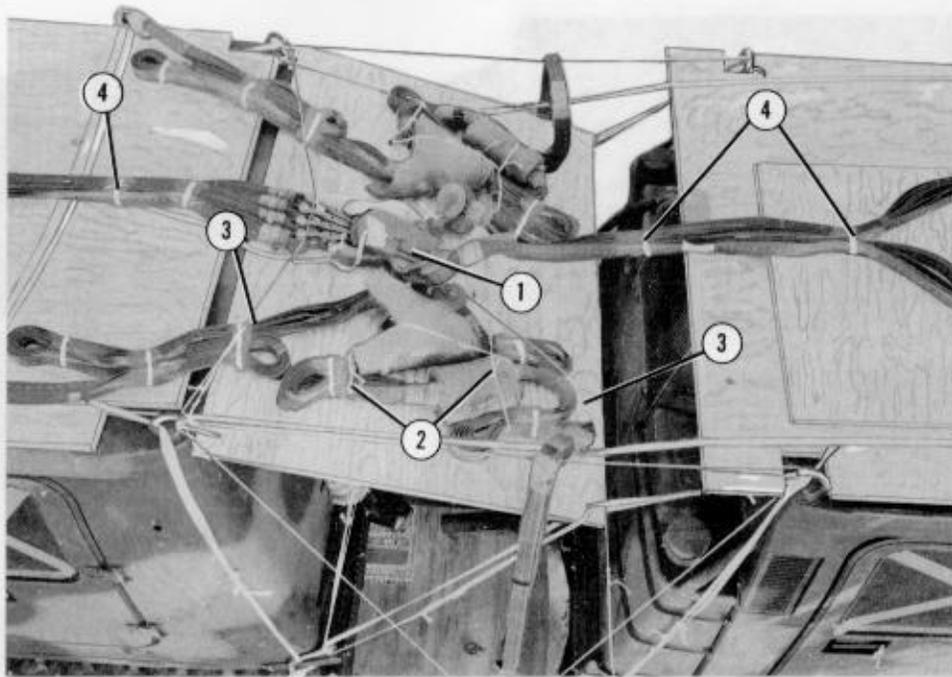
② Restrain the cargo parachutes to the platform using two lengths of type VIII nylon webbing according to FM 10-500-2/TO 13C7-1-5. Tie the ends of the webbing to platform bushings 52 and 52A and 55 and 55A.

③ Install two multi-cut parachute release straps according to FM 10-500-2/TO 13C7-1-5.

Figure 6-22. Cargo parachutes stowed

### 6-14. Installing Release System

Prepare and install the M-2 release system according to FM 10-500-2/TO 13C7-1-5 and as shown in Figure 6-23.

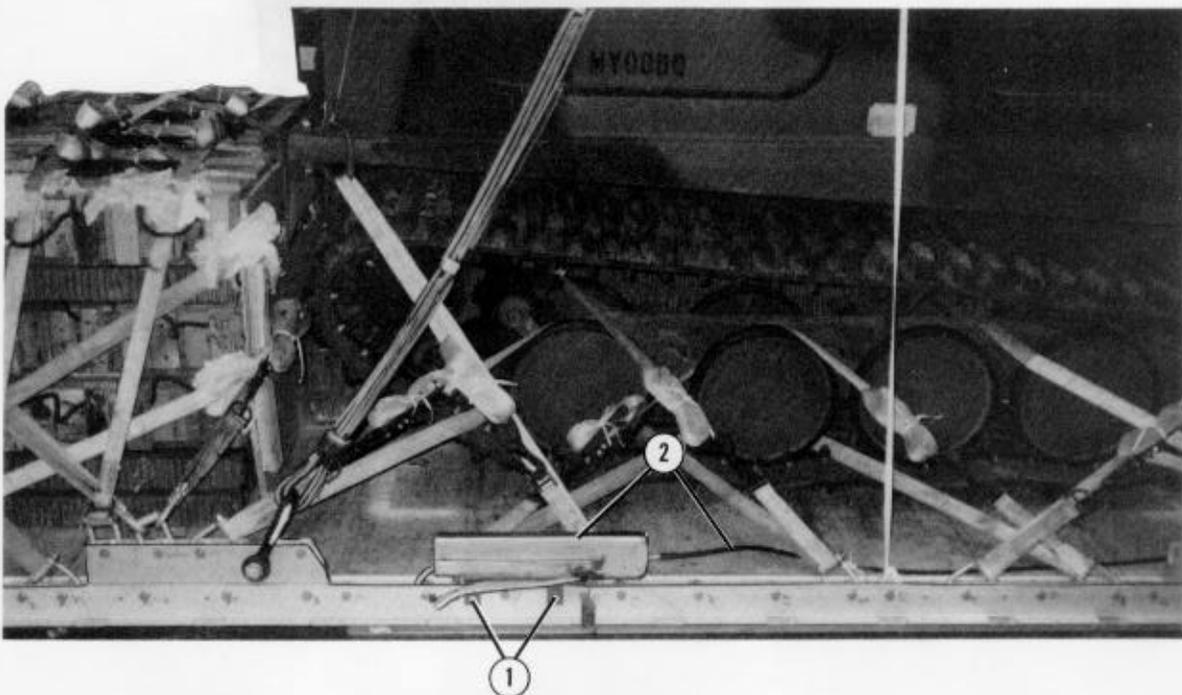


- ① Prepare an M-2 cargo release assembly according to FM 10-500-2/TO 13C7-1-5. Place the M-2 release on the 3/4- by 59- by 42-inch piece of plywood positioned in Figure 6-15. Attach the release to the suspension slings and the cargo parachutes according to FM 10-500-2/TO 13C7-1-5.
- ② Fold the suspension slings. Secure the folds to the plywood platform with lengths of type I, 1/4-inch cotton webbing. Pass the webbing through the holes in the plywood and over the taped links.
- ③ Secure the top and bottom of the M-2 cargo parachute release according to FM 10-500-2/TO 13C7-1-5.
- ④ Tie the exposed riser extensions along the rear roof protective board with lengths of type I, 1/4-inch cotton webbing.

Figure 6-23. Release system installed

### 6-15. Installing Extraction System

Install the EFTC extraction system as shown in Figure 6-24.



- ① Attach the mounting brackets to the front mounting holes on the left platform side rail.
- ② Install the actuator to the mounting brackets. Install a 28-foot cable to the actuator according to FM 10-500-2/TO 13C7-1-5.

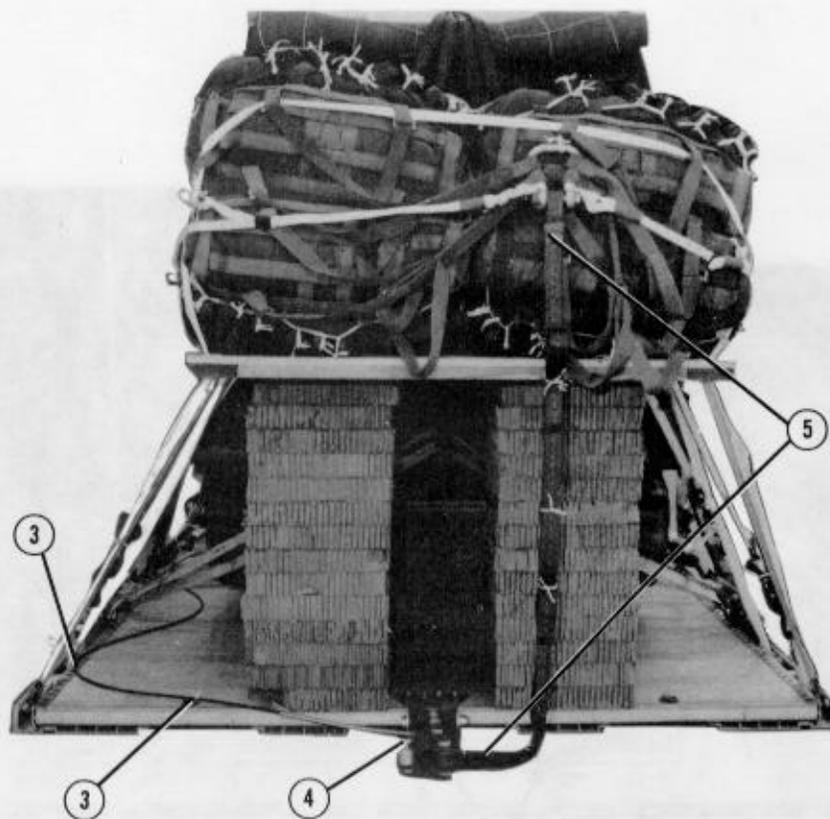
Figure 6-24. Extraction system installed

Table 6-1. Equipment required for rigging the SUSV for a low-velocity airdrop on a type V platform

National Stock Number	Item	Quantity
8040-00-273-8713	Adhesive, paste, 1-gal .....	As required
	Clevis, suspension:	
4030-00-678-8562	3/4-in (medium) .....	12
4030-00-090-5354	1-in (large) .....	11
4020-00-240-2146	Cord, nylon, type III, 550-lb .....	As required
1670-00-157-6527	Coupling, airdrop, extraction force transfer w 28-ft cable .....	1
	Cover:	
1670-00-360-0328	Clevis, large .....	4
1670-00-360-0329	Link assembly (type IV) .....	8
8135-00-664-6958	Cushioning material, packaging, cellulose wadding .....	As required
8305-00-926-1559	Cloth, cotton muslin, 36-in .....	As required
8305-00-958-3685	Felt, 1/2-in thick .....	As required
1670-01-183-2678	Leaf, extraction line .....	2
	Line, extraction:	
1670-01-062-6313	60-ft (3-loop), type XXVI nylon webbing .....	1
1670-01-107-7651	140-ft (3-loop), type XXVI nylon webbing .....	1
	Link assembly:	
	Two-point:	
5306-00-435-8994	Bolt, 1-in diam, 4-in long .....	4
5310-00-232-5165	Nut, 1-in, hexagonal .....	4
1670-00-003-1953	Plate, side, 3 3/4-in .....	4
1670-00-003-1954	Plate, side, 5 1/2-in .....	4
5365-00-007-3414	Spacer, large .....	4
1670-01-307-0155	Three-point .....	2
1670-00-783-5988	Type IV .....	8
	Lumber:	
5510-00-220-6148	2- by 6-in .....	4 linear feet
5315-00-010-4657	Nail, steel wire, common, 6d .....	As required
1670-00-753-3928	Pad, energy-dissipating, honeycomb, 3- by 36- by 96-in .....	16 sheets
	Parachute:	
1670-01-016-7841	Cargo, G-11B .....	4
1670-00-040-8135	Cargo extraction, 28-ft .....	1
	Platform, AD, type V, 28-ft: .....	1

Table 6-1. Equipment required for rigging the SUSV for a low-velocity airdrop on a type V platform (continued)

National Stock Number	Item	Quantity
	<b>Bracket:</b>	
1670-01-162-2375	Inside EFTA .....	(1)
1670-01-162-2374	Outside EFTA .....	(1)
1670-01-162-2372	Clevis assembly .....	(50)
1670-01-162-2376	Extraction bracket assembly .....	(1)
1670-01-247-2389	Suspension link .....	(8)
1670-01-162-2381	Tandem link .....	(2)
5530-00-128-4981	Plywood, 3/4-in .....	6 sheets
1670-01-097-8817	Release, cargo parachute, M-2 .....	1
	<b>Sling, cargo airdrop:</b>	
	For deployment line:	
1670-01-062-6303	12-ft (2-loop), type XXVI nylon webbing .....	1
	For riser extensions:	
1670-01-062-6302	20-ft (2-loop), type XXVI nylon webbing .....	12
	For Lifting:	
1670-01-062-6301	3-ft (2-loop), type XXVI nylon webbing .....	2
1670-01-062-6304	9-ft (2-loop), type XXVI nylon webbing .....	4
1670-01-062-6303	12-ft (2-loop), type XXVI nylon webbing .....	4
	For suspension slings:	
1670-01-062-6306	3-ft (4-loop), type XXVI nylon webbing .....	8
1670-01-062-6308	16-ft (4-loop), type XXVI nylon webbing .....	2
1670-01-064-4453	20-ft (4-loop), type XXVI nylon webbing .....	2
1670-01-062-6302	12-ft (4-loop), type XXVI nylon webbing .....	2
1670-00-040-8219	Strap, parachute release, multicut, comes with 3 knives .....	2
8305-00-074-5124	Tape, adhesive, 2-in .....	As required
1670-00-937-0271	Tie-down assembly, 15-ft .....	50
	<b>Webbing:</b>	
8305-00-268-2411	Cotton, 1/4-in, type I .....	As required
8305-00-082-5752	Nylon, tubular, 1/2-in, natural .....	As required
8305-00-268-2453	Nylon, tubular, 1/2-in, olive drab .....	As required
8305-00-263-3591	Type VIII .....	As required



- ③ Safety the 28-foot cable to the lashings along the left platform side rail and to tie-down ring D14 with type I, 1/4-inch cotton webbing.
- ④ Attach the cable to the latch assembly according to FM 10-500-2/TO 13C7-1-5.
- ⑤ Install a 12-foot (2-loop), type XXVI nylon webbing sling as a deployment line according to FM 10-500-2/TO 13C7-1-5.

Figure 6-24. Extraction system installed (continued)

**6-16. Installing Provisions for Emergency Restraints**

Select and install the provisions for the emergency aft restraints according to the emergency aft restraint requirements table in FM 10-500-2/TO 13C7-1-5.

**6-17. Placing Extraction Parachute**

Select the extraction parachute and extraction line needed using the extraction line requirements table in FM 10-500-2/TO 13C7-1-5. Place the extraction line on the load for installation in the aircraft.

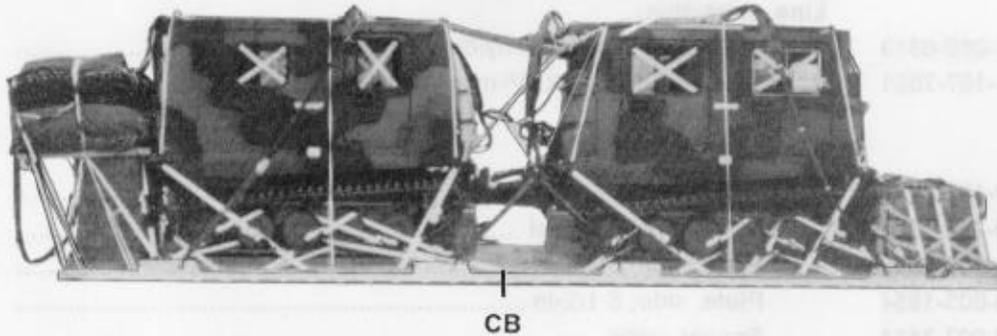
**6-18. Marking Rigged Load**

Mark the rigged load according to FM 10-500-2/TO 13C7-1-5 and as shown in Figure 6-25. Complete Shipper's Declaration for Dangerous Goods.

**6-19. Equipment Required**

Use the equipment listed in Table 6-1 to rig this load.

**CAUTION: Make the final rigger inspection required by FM 10-500-2/ TO 13C7-1-5 before the load leaves the rigging site.**



**RIGGED LOAD DATA**

Weight:	Load shown .....	16,500 pounds
	Maximum load allowed .....	16,600 pounds
Height .....		97 inches
Width .....		108 inches
Length .....		353 inches
Overhang: Front .....		0 inches
Rear .....		17 inches
CB (from front edge of platform) .....		155 inches
Extraction system (adds 18 inches to length of platform) .....		EFTC

Figure 6-25. SUSV rigged for low-velocity airdrop on a type V platform