CHAPTER 3

# RIGGING THE INGERSOL-RAND MODEL, 250-CFM, TRAILER-MOUNTED AIR COMPRESSOR ON A TYPE V PLATFORM

## Section I

## LOW-VELOCITY AIRDROP

### 3-1. Description of Load

The Ingersol-Rand model, 250-CFM, trailer-mounted air compressor (Figure 3-1) is rigged on a 16-foot, type V platform for low-velocity airdrop. The air compressor is rigged with three G-11A, two G-11B, or two G-11C cargo parachutes and other air items. It weighs 7,345 pounds with the fuel tank 1/2 full.

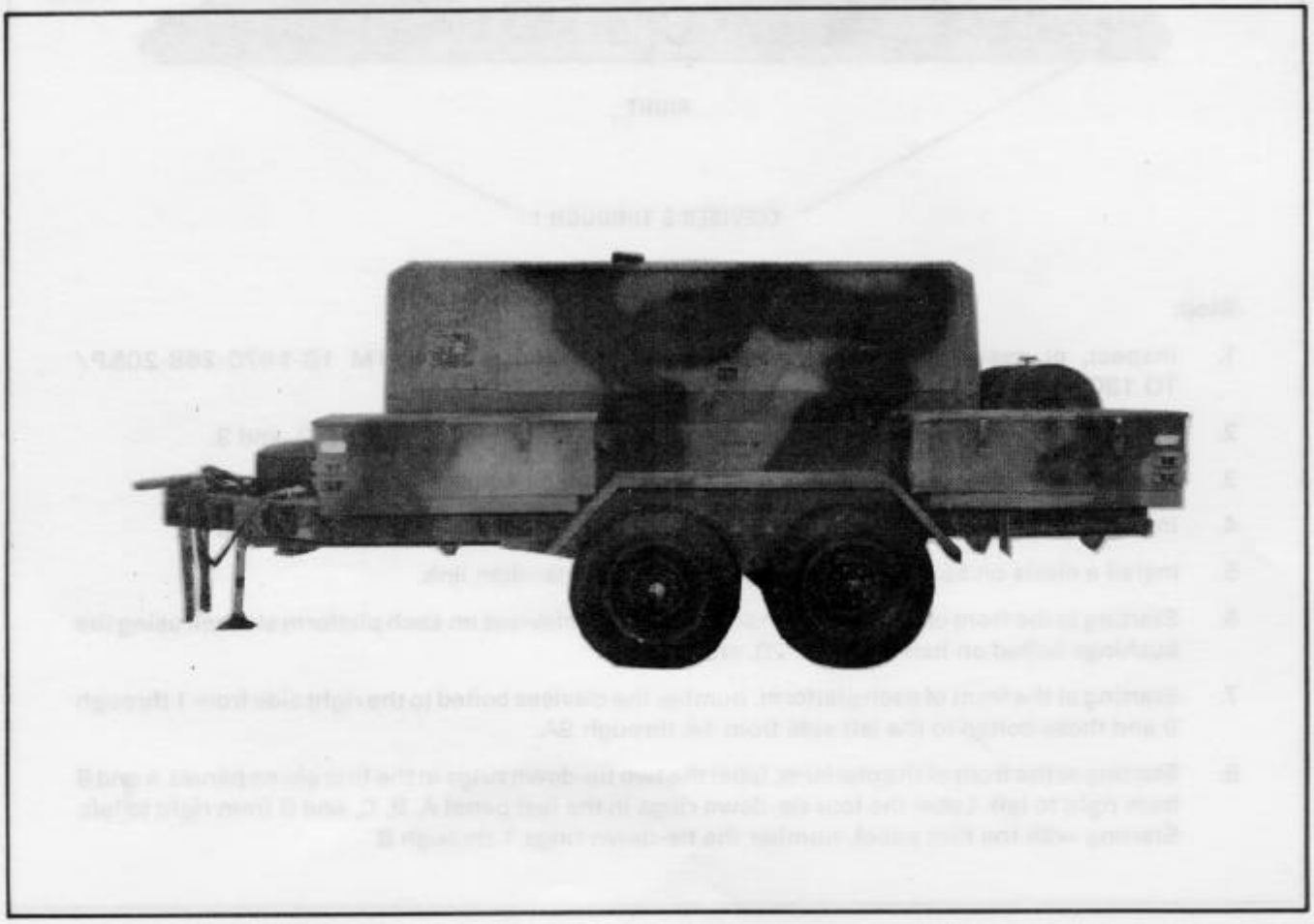


*Figure 3-1. Ingersol-Rand model, 250-CFM, trailer-mounted air compressor*

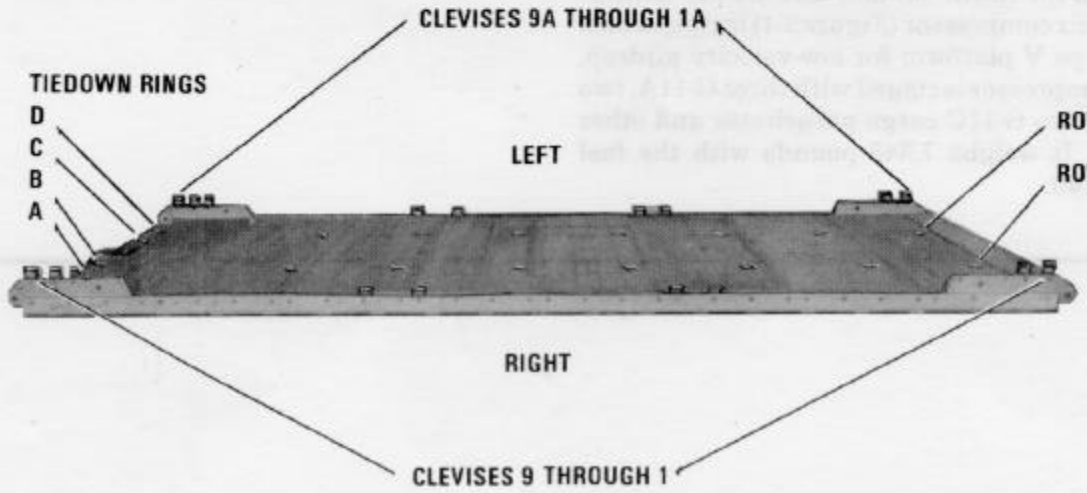
### 3-2. Preparing Platform

Prepare a 16-foot, type V platform using four tandem links and 18 tie-down clevises as shown in Figure 3-2.

**Notes:**

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

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



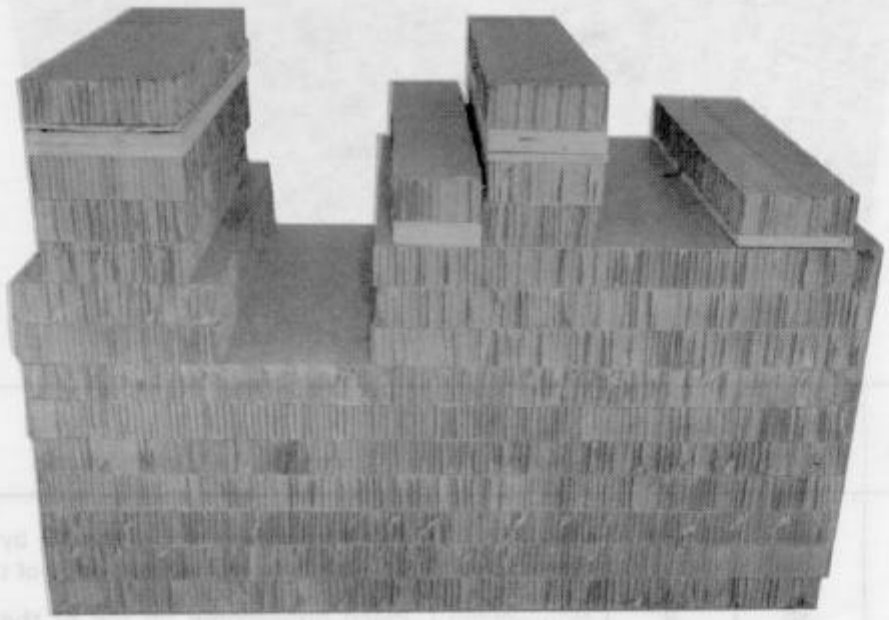

**Step:**

1. Inspect, or assemble and inspect, the platform according to TM 10-1670-268-20&P/TO 13C7-52-22.
2. Install a tandem link on the front of each platform side rail using holes 1, 2, and 3.
3. Install a clevis on bushings 1 and 2 on each front tandem link.
4. Install a tandem link on the rear of each platform side rail using holes 30, 31, and 32.
5. Install a clevis on bushings 2, 3, and 4 on each rear tandem link.
6. Starting at the front of each platform side rail, install clevises on each platform side rail using the bushings bolted on holes 11, 12, 20, and 22.
7. Starting at the front of each platform, number the clevises bolted to the right side from 1 through 9 and those bolted to the left side from 1A through 9A.
8. Starting at the front of the platform, label the two tie-down rings in the first seven panels A and B from right to left. Label the four tie-down rings in the last panel A, B, C, and D from right to left. Starting with the first panel, number the tie-down rings 1 through 8.

*Figure 3-2. Platform prepared*

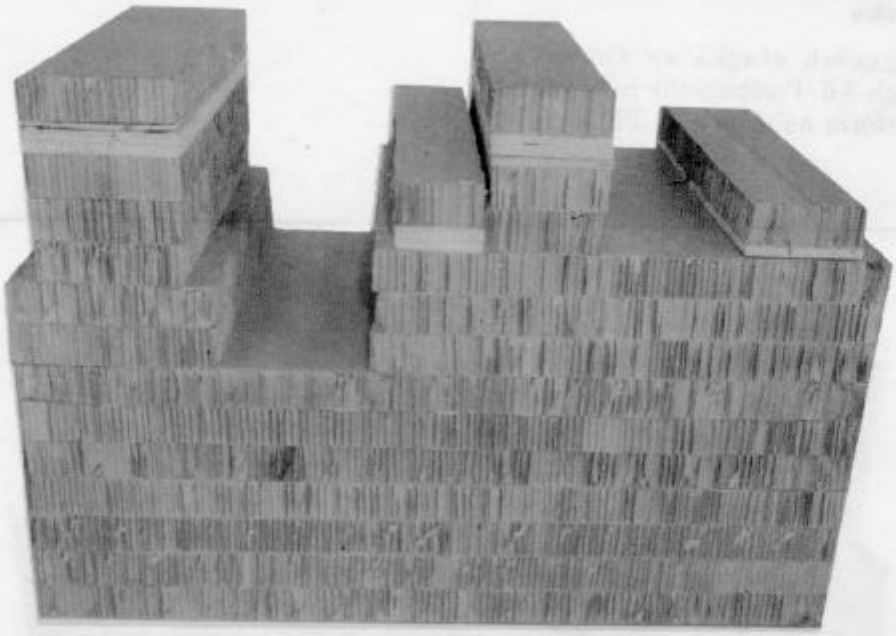
### 3-3. Building and Positioning Honeycomb Stacks

Build the honeycomb stacks as shown in Figures 3-3 through 3-6. Position the honeycomb stacks on the platform as shown in Figures 3-7, 3-8, and 3-9.



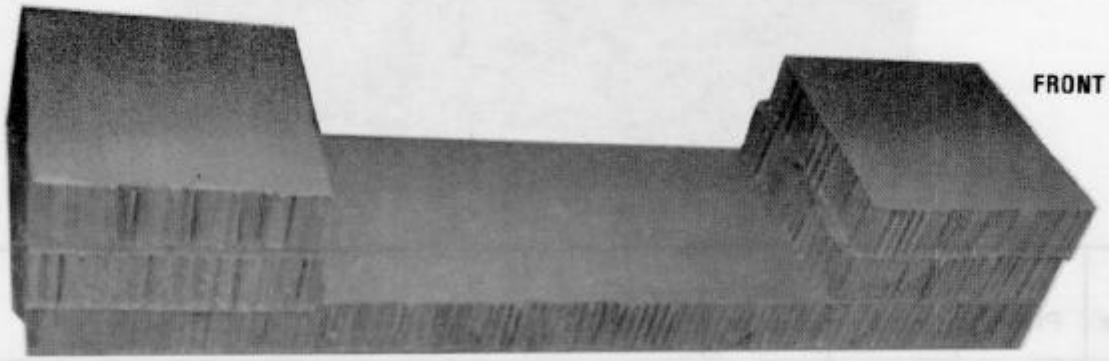

| Stack Number | Pieces | Width (Inches) | Length (Inches) | Material | Instructions |
|---|---|---|---|---|---|
| 1 | 7 | 36 | 60 | Honeycomb | Form base. |
| | 3 | 36 | 36 | Honeycomb | Place honeycomb on top of the base flush with the front edge of the stack. |
| | 1 | 36 | 8 | 3/4-inch plywood | Place plywood on top of the 36- by 36-inch honeycomb 2 inches from the front edge of the stack. |
| | 1 | 36 | 8 | Honeycomb | Place honeycomb on top of the 36- by 8-inch plywood. |
| | 2 | 36 | 8 | Honeycomb | Place honeycomb on top of the 36- by 36-inch honeycomb 21 inches from the front edge of the stack. |
| | 1 | 36 | 8 | 1/2-inch plywood | Place plywood on top of the 36- by 8-inch honeycomb 21 inches from the front edge of the stack. |

*Figure 3-3. Stack 1 prepared*



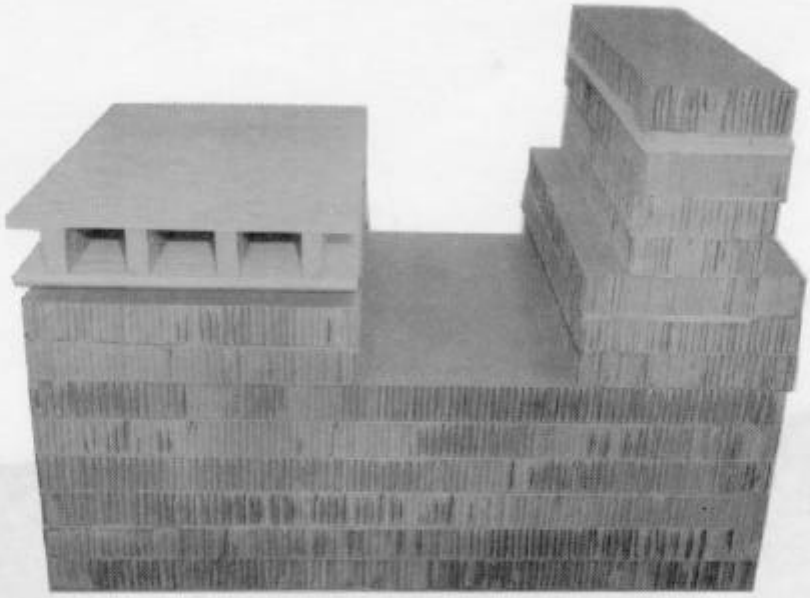

| Stack Number | Pieces | Width (Inches) | Length (Inches) | Material | Instructions |
|---|---|---|---|---|---|
| | 2 | 36 | 8 | 3/4-inch plywood | Place plywood on top of the 36- by 8-inch plywood 21 inches from the front edge of the stack. |
| | 1 | 36 | 8 | Honeycomb | Place honeycomb on top of the 36- by 8-inch plywood 21 inches from the front edge of the stack. |
| | 2 | 36 | 6 | 3/4-inch plywood | Place plywood on top of the 36- by 36-inch honeycomb flush against the 36- by 8-inch honeycomb. |
| | 1 | 36 | 6 | 1/4-inch plywood | Place plywood on top of the 3/4- by 36- by 6-inch plywood. |
| | 1 | 36 | 6 | Honeycomb | Place honeycomb on top of the 1/4- by 36- by 6-inch plywood. |
| | 2 | 36 | 14 | Honeycomb | Place honeycomb on top of the base flush with the rear edge of the stack. |
| | 3 | 36 | 10 | Honeycomb | Place honeycomb on top of the 36- by 14-inch honeycomb 2 inches from the rear edge. |
| | 2 | 36 | 10 | 3/4-inch plywood | Place plywood on top of the 36- by 10-inch honeycomb. |
| | 1 | 36 | 10 | 1/4-inch plywood | Place plywood on top of the 3/4- by 36- by 10-inch plywood. |
| | 1 | 36 | 10 | Honeycomb | Place honeycomb on top of the 1/4- by 36- by 10-inch plywood. |

*Figure 3-3. Stack 1 prepared (continued)*




| Stack Number | Pieces | Width (Inches) | Length (Inches) | Material | Instructions |
|---|---|---|---|---|---|
| 2 | 1 | 12 | 48 | Honeycomb | Form base. |
| | 4 | 12 | 12 | Honeycomb | Place two pieces of honeycomb on each end of the base flush with each edge. |
| 3 | 1 | 12 | 48 | Honeycomb | Form base. |
| | 4 | 12 | 12 | Honeycomb | Place two pieces of honeycomb on each end of the base flush with each edge. |

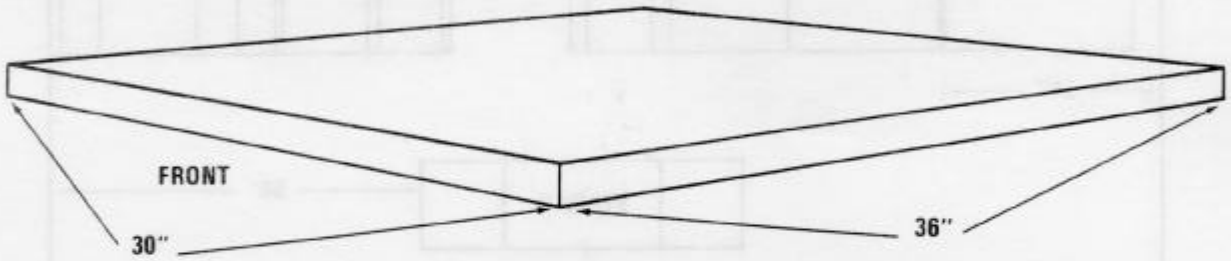
*Figure 3-4. Stacks 2 and 3 prepared*




| Stack Number | Pieces | Width (Inches) | Length (Inches) | Material | Instructions |
|---|---|---|---|---|---|
| 4 | 6 | 36 | 58 | Honeycomb | Form base. |
| | 3 | 36 | 16 | Honeycomb | Place honeycomb on top of the base flush with the front edge of the stack. |
| | 3 | 36 | 10 | Honeycomb | Center honeycomb on top of the 36- by 16-inch honeycomb. |
| | 2 | 36 | 10 | 3/4-inch plywood | Place plywood on top of the 36- by 10-inch honeycomb. |
| | 1 | 36 | 10 | Honeycomb | Place honeycomb on top of the 3/4- by 36- by 10-inch plywood. |
| | 2 | 36 | 24 | Honeycomb | Place honeycomb on top of the base flush with the rear edge of the stack. |
| | 2 | 4 | 24 | 2-inch lumber | Place lumber on top of the 36- by 24-inch honeycomb running lengthwise 3 inches from each side. |
| Strong-back | 1 | 36 | 24 | 3/4-inch plywood | Place plywood to form base of the strongback. |
| | 4 | 36 | 4 | 2-inch lumber | Evenly space lumber side to side on top of the 3/4- by 36- by 24-inch plywood. |
| | 1 | 36 | 24 | 3/4-inch plywood | Place plywood on top of the 2- by 4- by 36-inch lumber. Use sixpenny nails to nail the strongback together. |

*Figure 3-5. Stack 4 prepared*

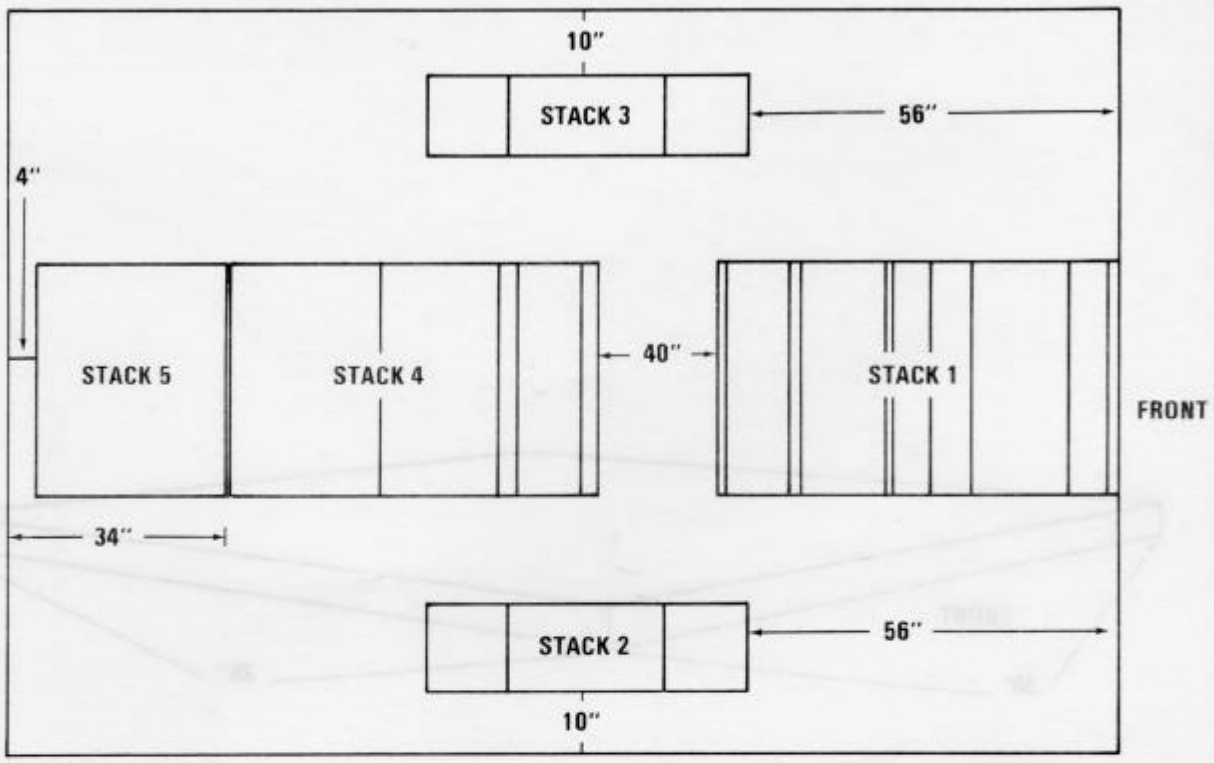
**Note: This drawing is not drawn to scale.**




| Stack Number | Pieces | Width (Inches) | Length (Inches) | Material | Instructions |
|---|---|---|---|---|---|
| 5 | 1 | 30 | 36 | Honeycomb | Form base. |

*Figure 3-6. Stack 5 prepared*

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




| Stack Number | Position of Stack on Platform |
|---|---|
| | Place stack: |
| 1 | Centered flush with the front edge of the platform. |
| 2 | 56 inches from the front edge of the platform and 10 inches from the right rail. |
| 3 | 56 inches from the front edge of the platform and 10 inches from the left rail. |
| 4 | Centered 40 inches from stack 1 and 34 inches from the rear edge of the platform. |
| 5 | Centered 4 inches from the rear edge of the platform. |

*Figure 3-7. Honeycomb stacks positioned on platform*

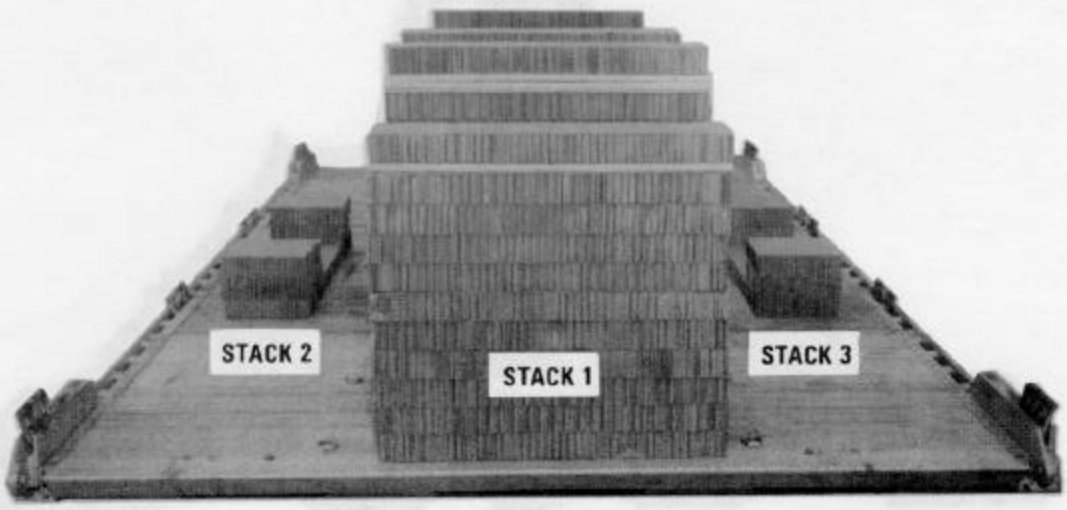



*Figure 3-8. Front view of honeycomb stacks positioned on platform*

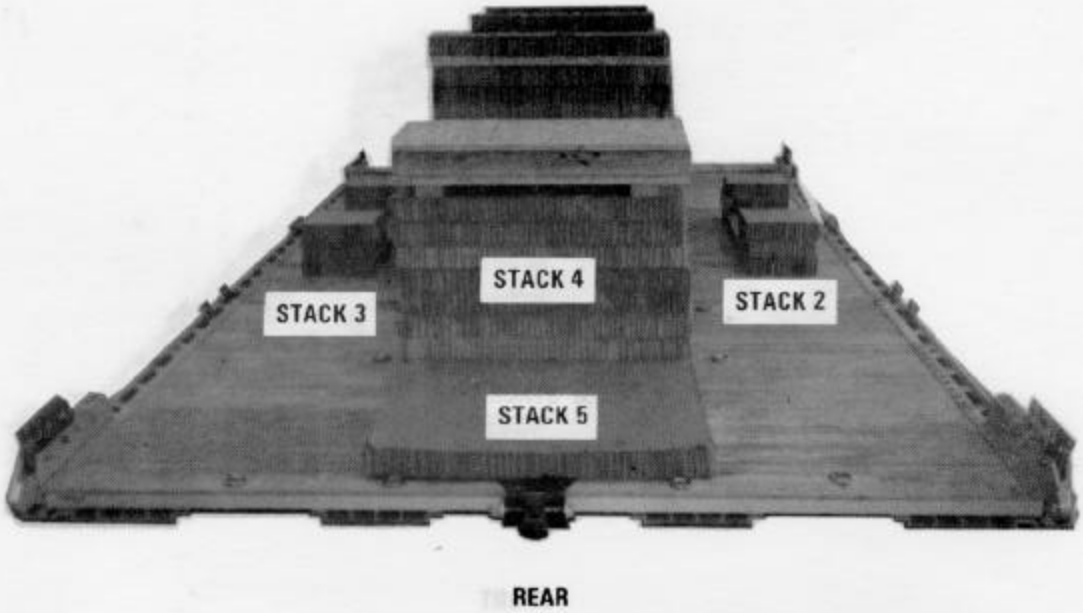
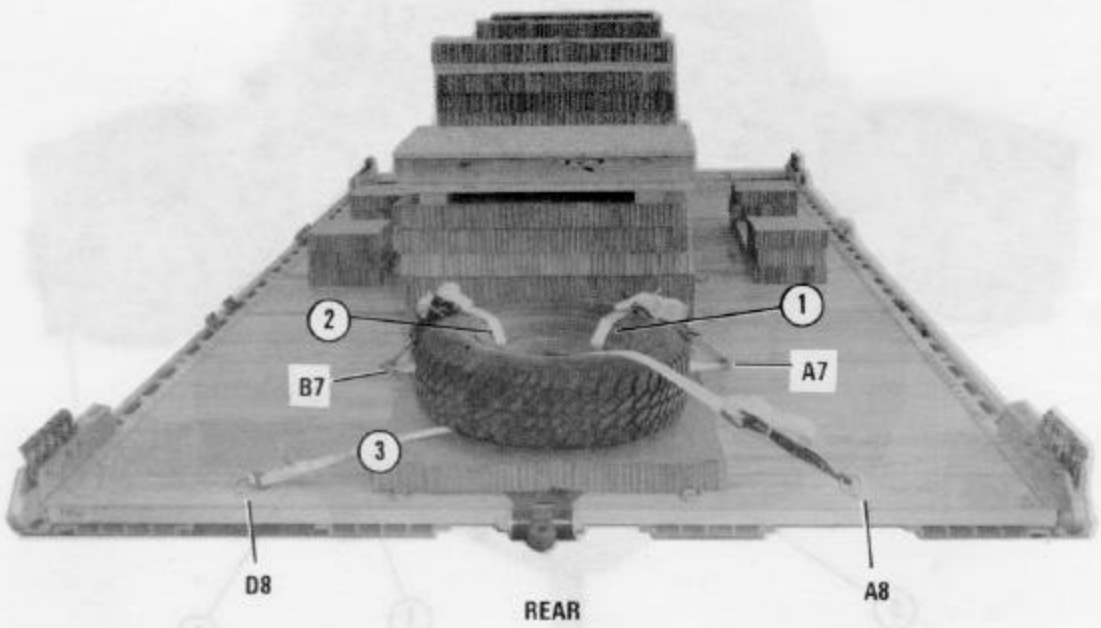



*Figure 3-9. Rear view of honeycomb stacks positioned on platform*

### 3-4. Lashing Tire

Remove the spare tire from the drawbar. Lash it to stack 5 using three 15-foot tie-down assemblies as shown in Figure 3-10.

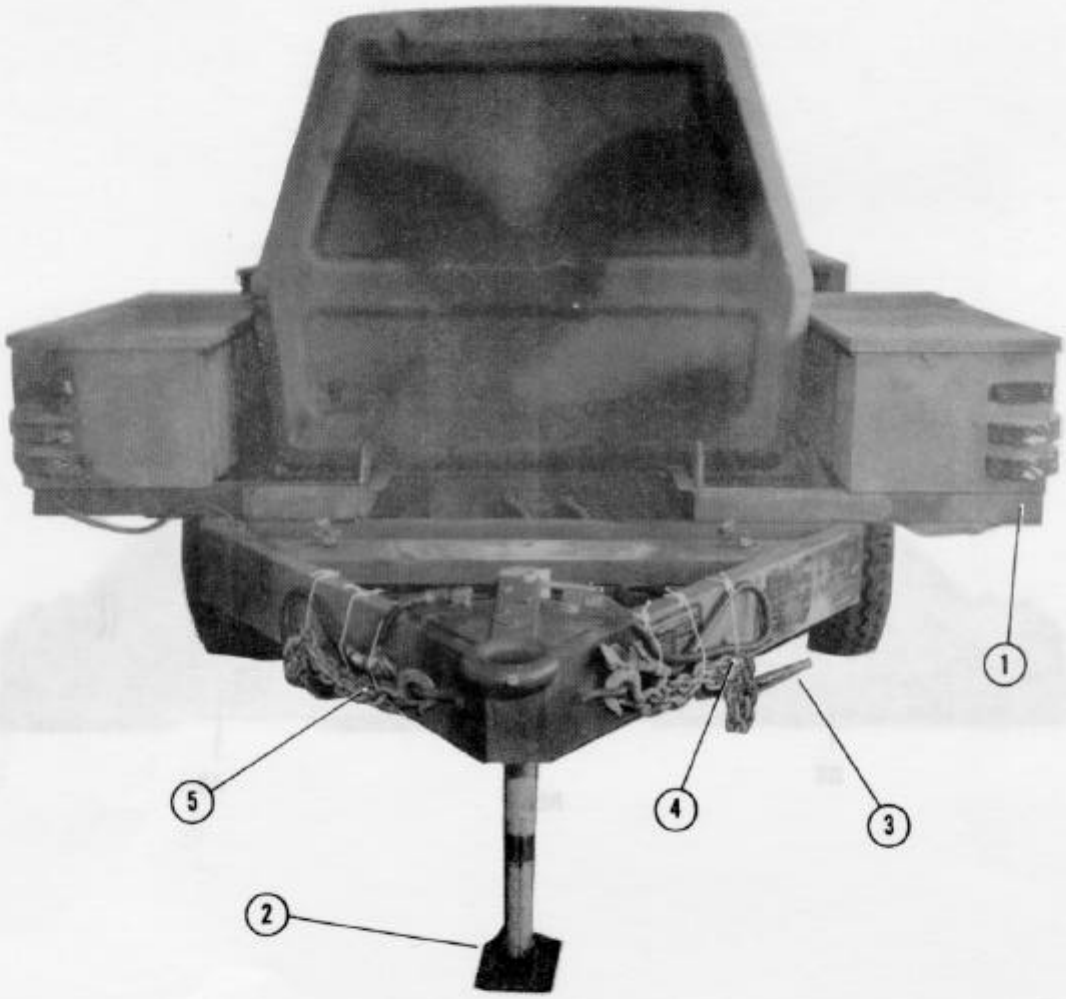



| Lashing Number | Tie-down Ring Number | Instructions |
|---|---|---|
| 1 | A7 | Pass lashing: Through tie-down and around tire. |
| 2 | B7 | Through tie-down and around tire. |
| 3 | D8 and A8 | Through tie-down D8, through its own D-ring, and under and over the tire to tie-down A8. |

*Figure 3-10. Tire lashed to platform*

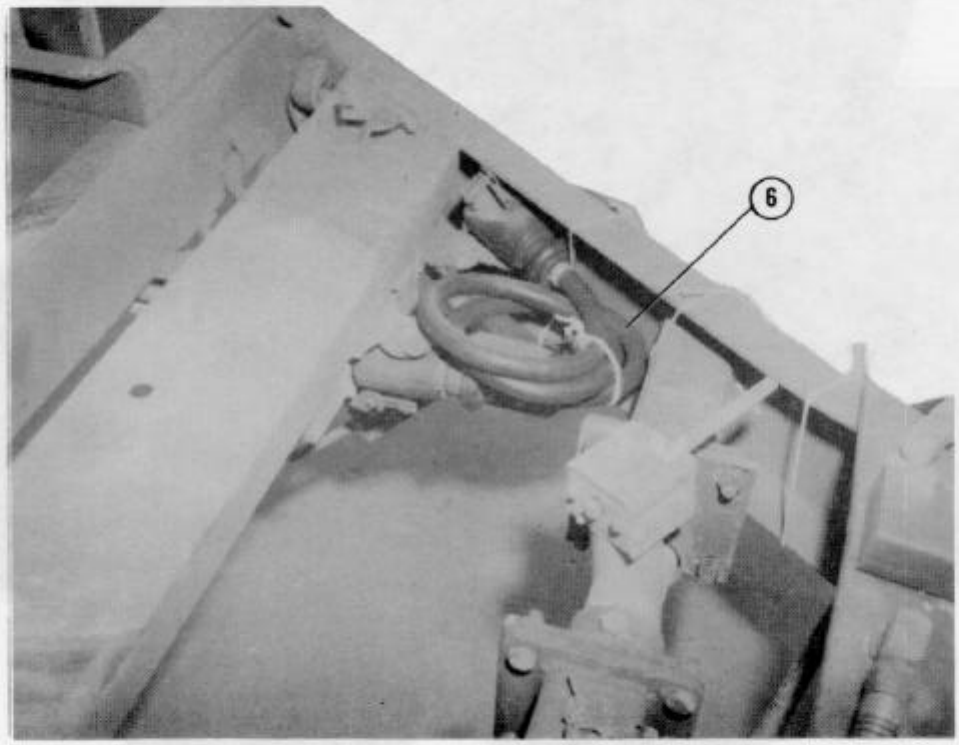
### 3-5. Preparing Trailer

Prepare the trailer as shown in Figures 3-11 through 3-21.



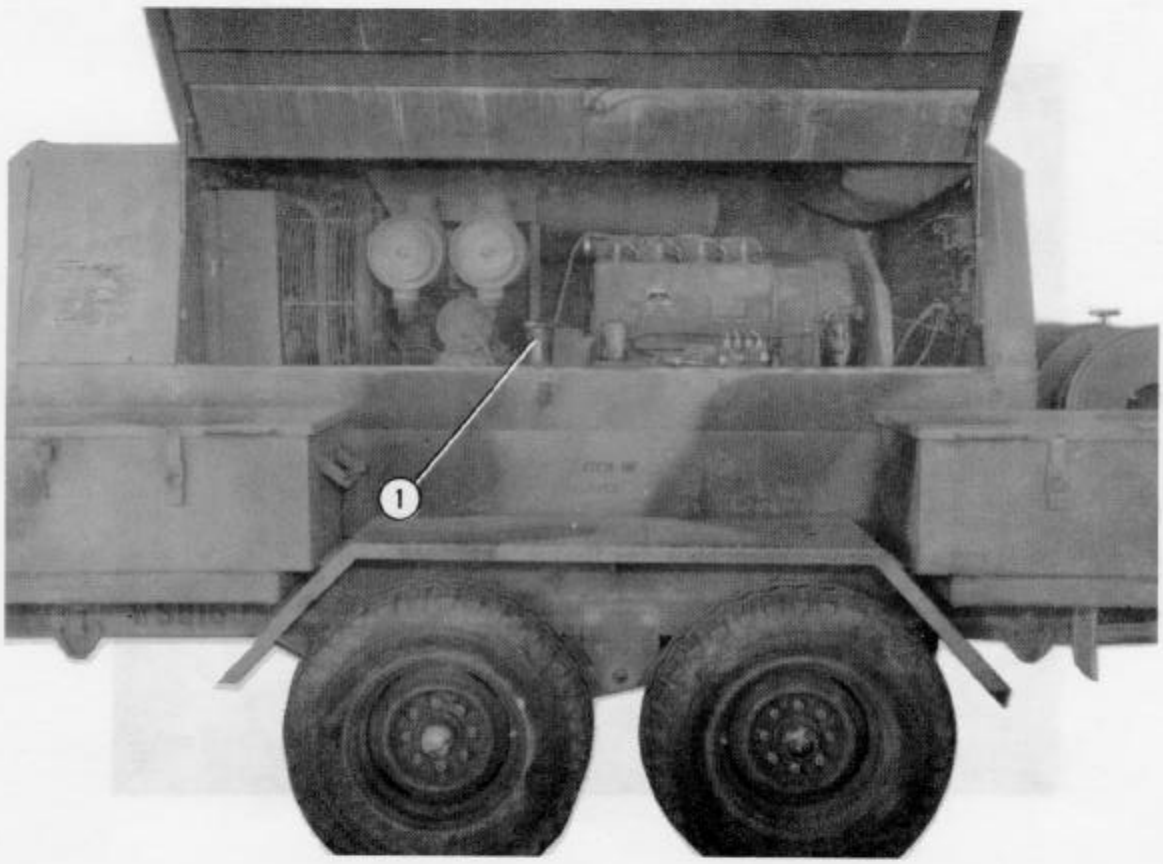

1. Tape all the lights and reflectors on the trailer.
2. Lower the front jack stand, and lock it in place.
3. Place the hand brakes in the release position.
4. Secure the air line hoses to the drawbar with type III nylon cord.
5. Secure the towing chains to the drawbar with type III nylon cord.

*Figure 3-11. Front of trailer prepared*



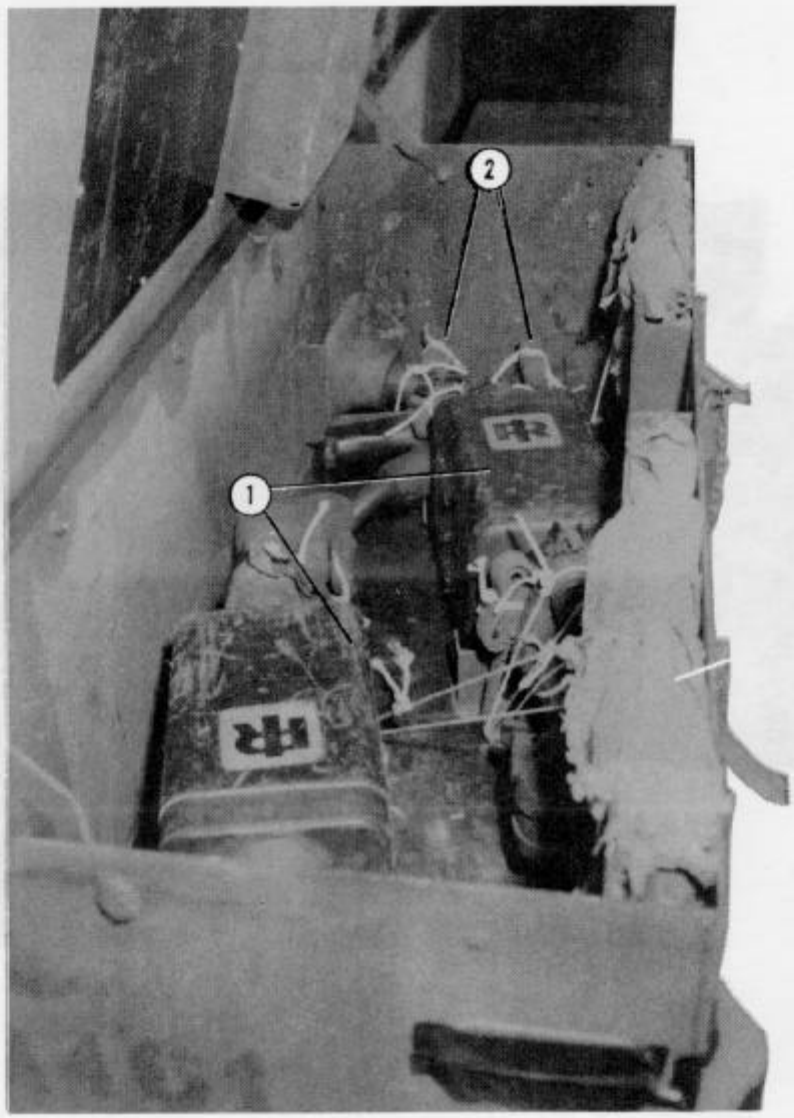

(6) Secure the intervehicular cable to the drawbar with type III nylon cord.

*Figure 3-11. Front of trailer prepared (continued)*




(1) Tape the fuel tank nozzle in place on the left engine compartment.

*Figure 3-12. Left engine compartment prepared*

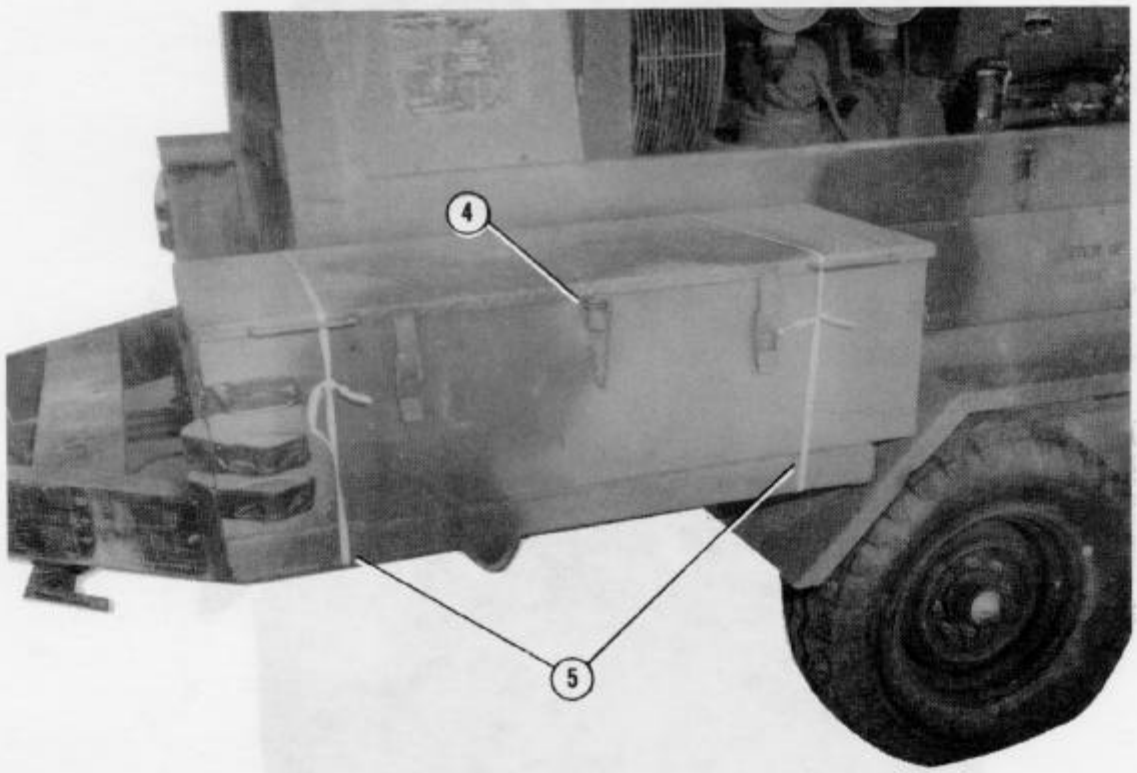



(1) Safety the two 80-pound breakers in place with type III nylon cord in storage box 1 (left front).

(2) Safety the two tamping feet with type III nylon cord.

(3) Tie the six chisels together with type III nylon cord. Wrap the chisels with cellulose wadding, and place them in the rack in storage box 1.

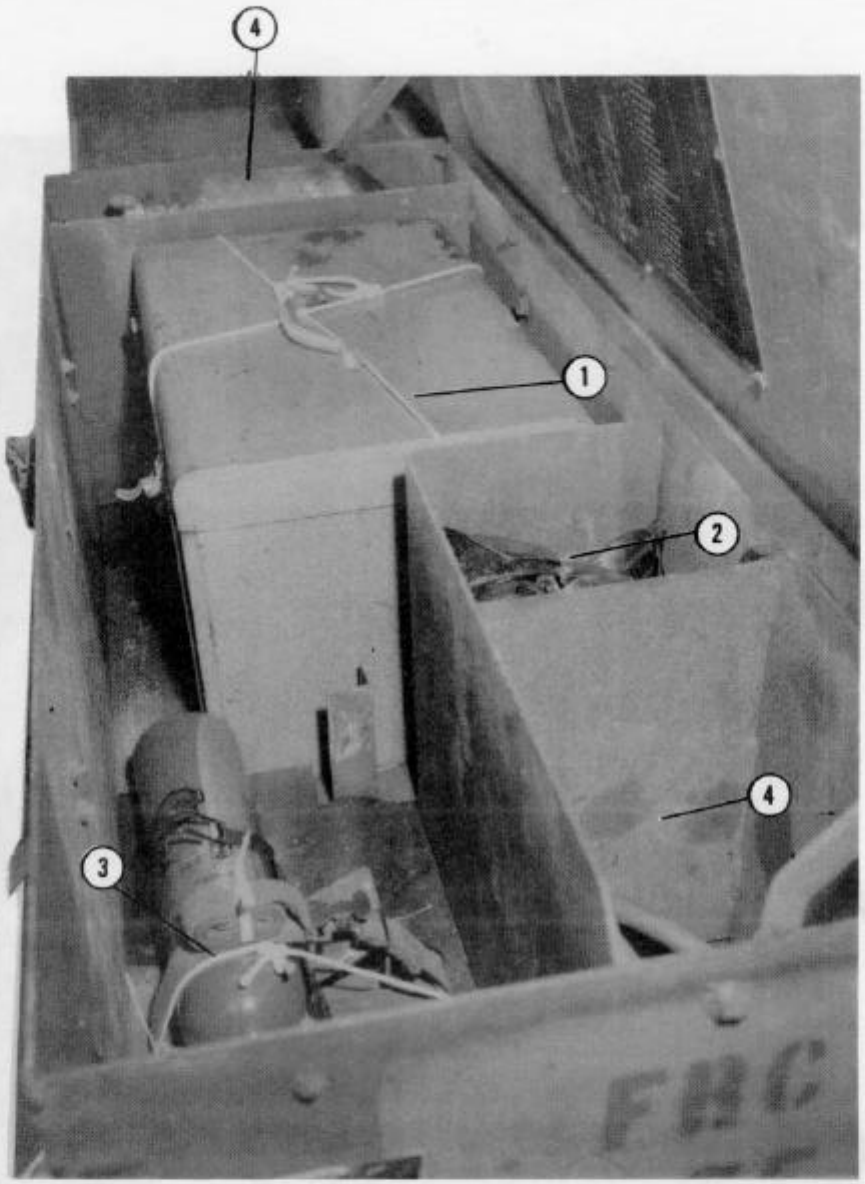
*Figure 3-13. Storage box 1 prepared and secured*




(4) Close and lock the storage box lid. If a lock is not available, tie the lock rings with type III nylon cord.

(5) Tie a length of 1/2-inch tubular nylon webbing around each end of the box.

*Figure 3-13. Storage box 1 prepared and secured (continued)*




(1) Secure the toolbox in place by passing type III nylon cord around the toolbox, through the hole in the bottom of storage box 2 (left rear), and up to the lid of the toolbox.

(2) Place the goggles and protective gear in the storage box compartment.

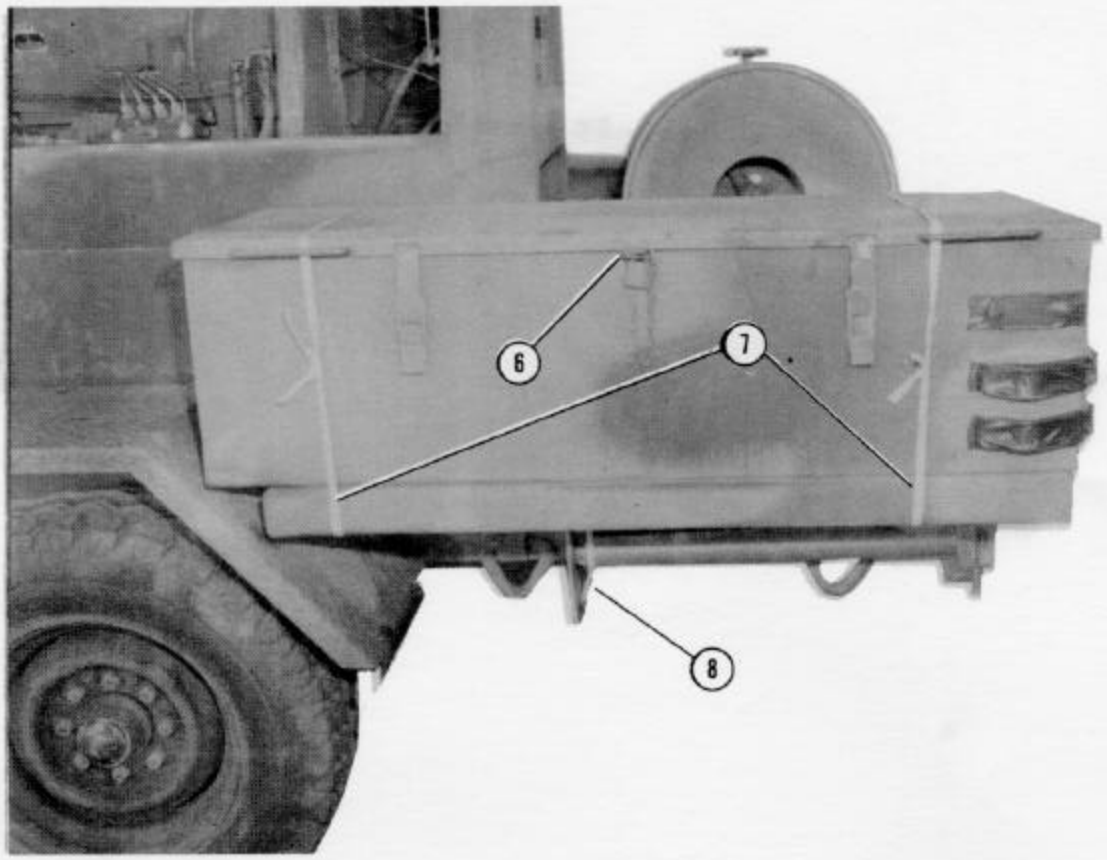
(3) Safety the fire extinguisher in place with type III nylon cord.

(4) Place miscellaneous parts in the storage box compartment.

*Figure 3-14. Storage box 2 and jack stand prepared and secured*

(5) Pad the goggles, protective gear, and the miscellaneous parts with cellulose wadding.

*Figure 3-14. Storage box 2 and jack stand prepared and secured (continued)*

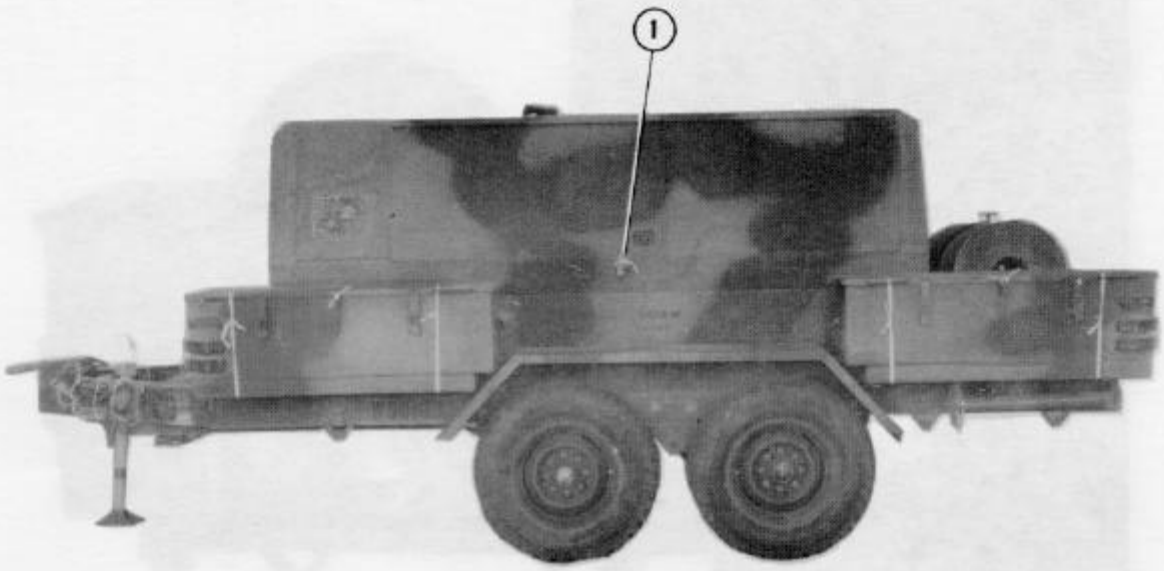



(6) Close and lock the storage box lid. If a lock is not available, tie the lock rings with type III nylon cord.

(7) Tie a length of 1/2-inch tubular nylon webbing around each end of the box.

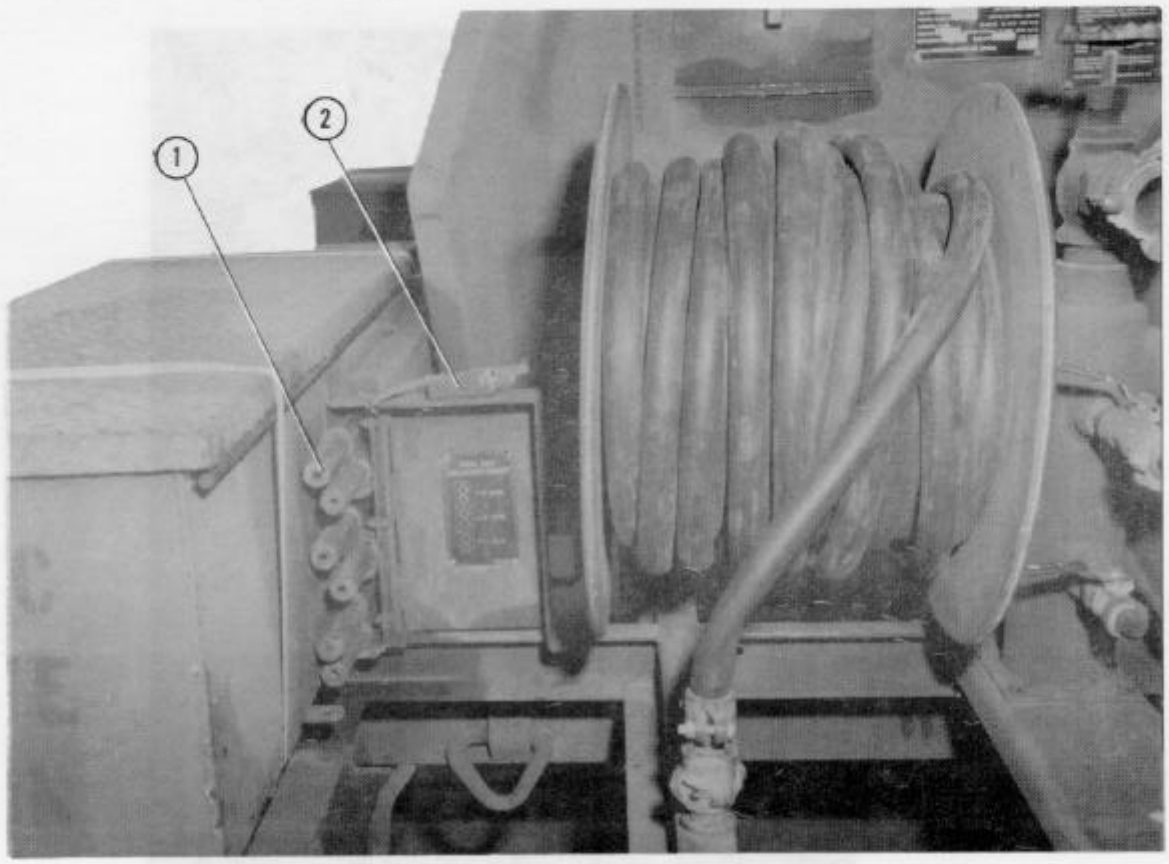
(8) Adjust the jack stand to the shortest position. Raise and tie it in place with 1/2-inch tubular nylon webbing.

*Figure 3-14. Storage box 2 and jack stand prepared and secured (continued)*




(1) Close the left engine compartment cover, and safety it with type III nylon cord.

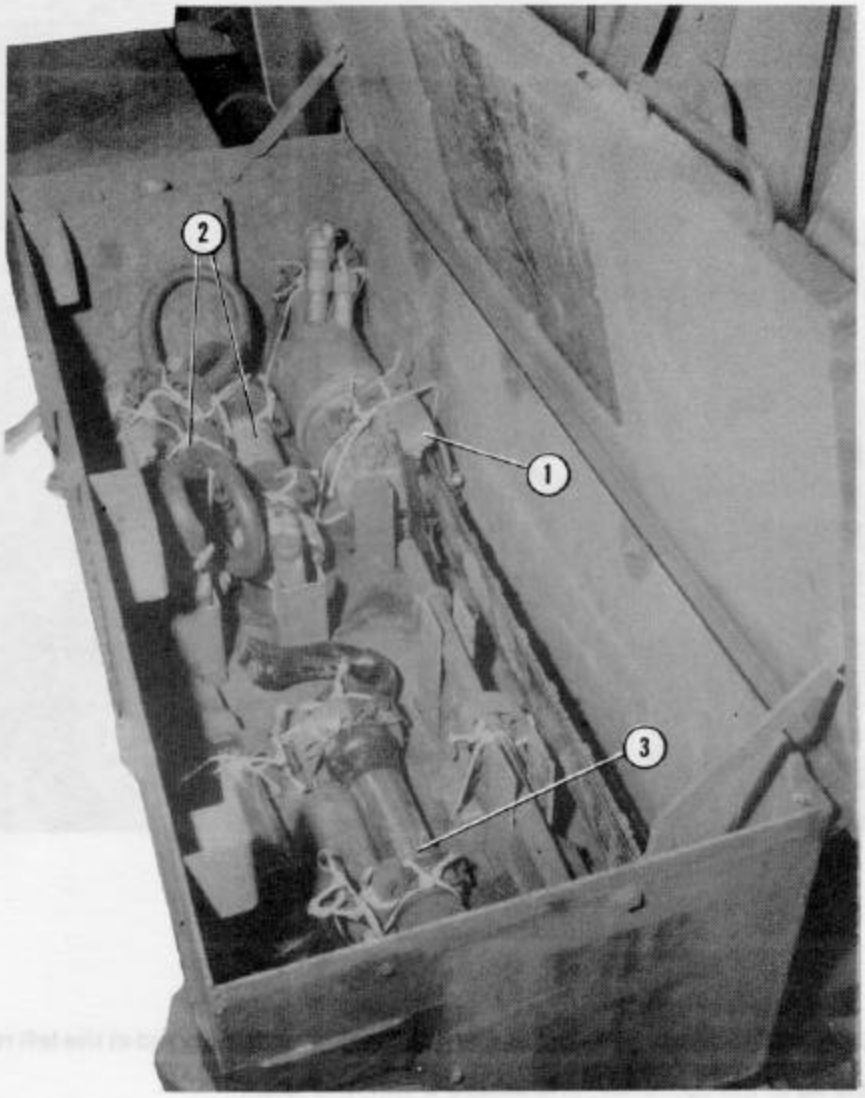
*Figure 3-15. Left engine compartment secured*




(1) Place the 4-foot, 6-foot, and 8-foot drill rods in the container located at the left rear of the trailer.

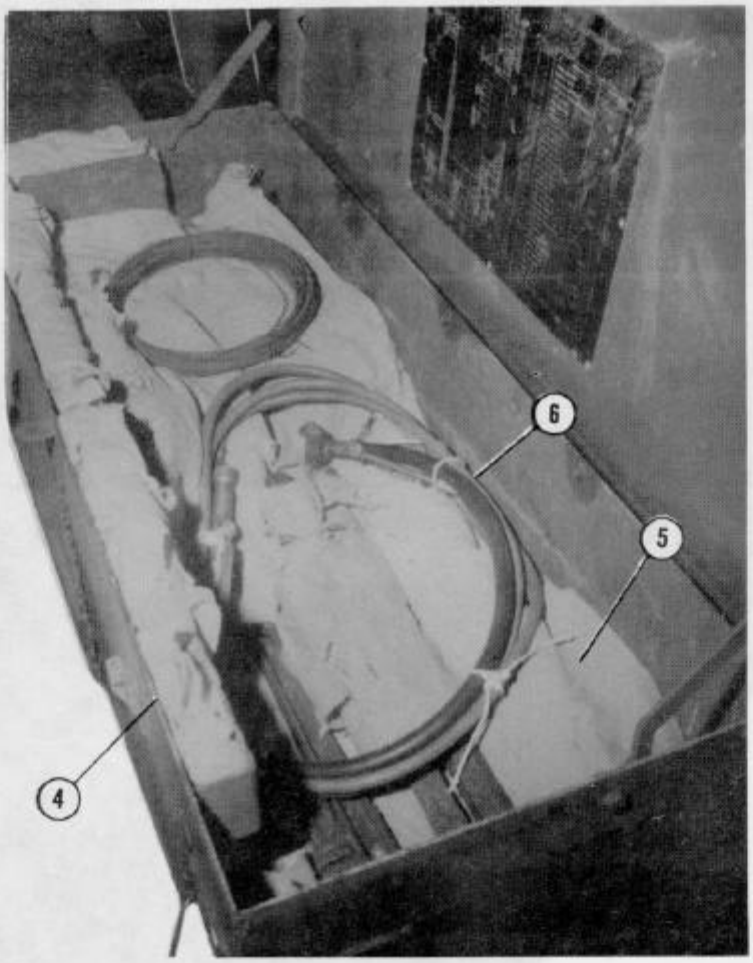
(2) Close the lid of the container, and secure it with the latch.

*Figure 3-16. Drill rods placed in container and secured*




(1) Tie the chain saw in place with type III nylon cord in storage box 3 (right front).
(2) Tie the two jackhammers in place with type III nylon cord.
(3) Tie the hammer-nailer in place with type III nylon cord.

*Figure 3-17. Storage box 3 prepared and secured*




(4) Wrap the chisels in cellulose wadding, and store them in the rack.

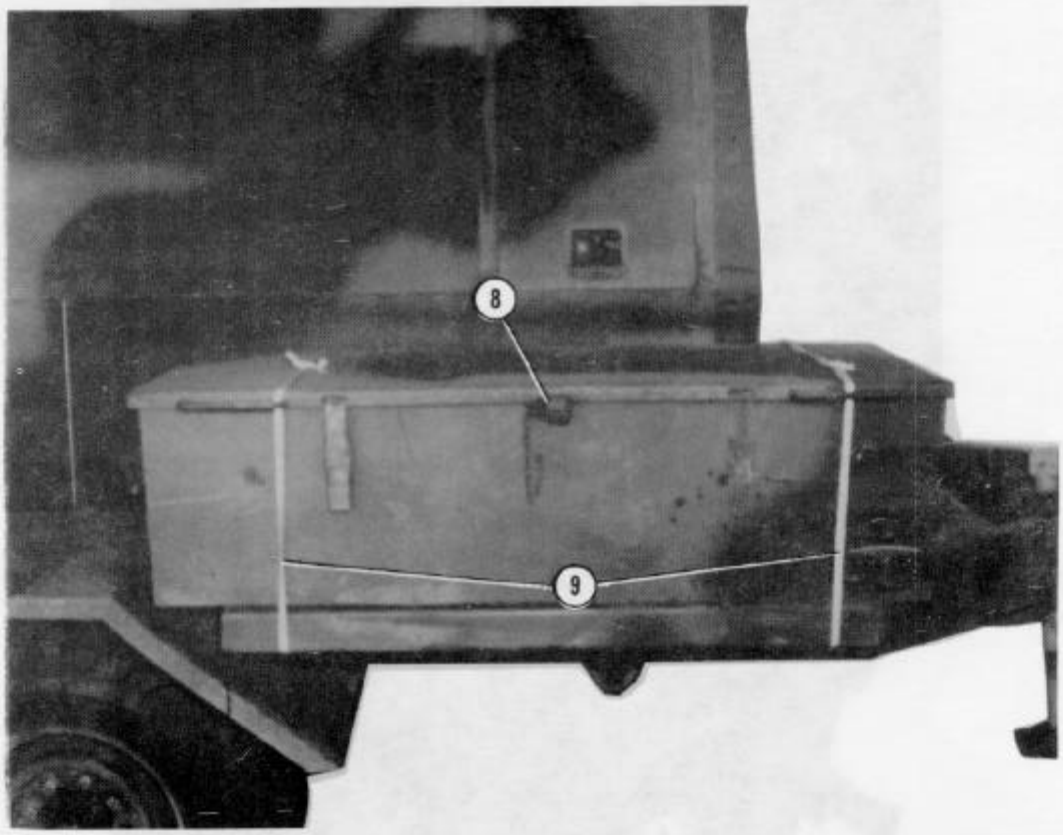
(5) Place a layer of cellulose wadding on top of the chain saw, jackhammers, and hammer-nailer.

(6) Place the miscellaneous hoses and cables on top of the cellulose wadding, and tie them with type III nylon cord.

*Figure 3-17. Storage box 3 prepared and secured (continued)*

(7) Place a 16- by 45-inch piece of honeycomb on top of the hoses and cables.

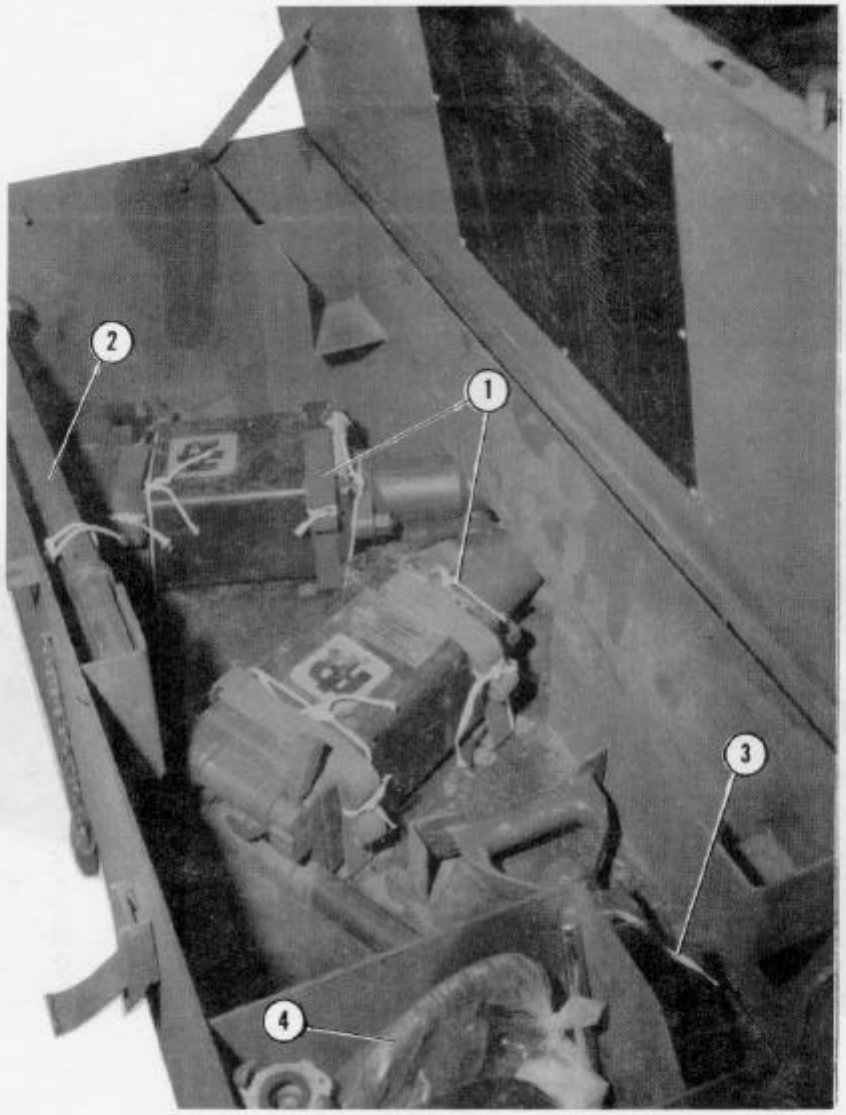
*Figure 3-17. Storage box 3 prepared and secured (continued)*




(8) Close and lock the storage box lid. If a lock is not available, tie the lock rings with type III nylon cord.

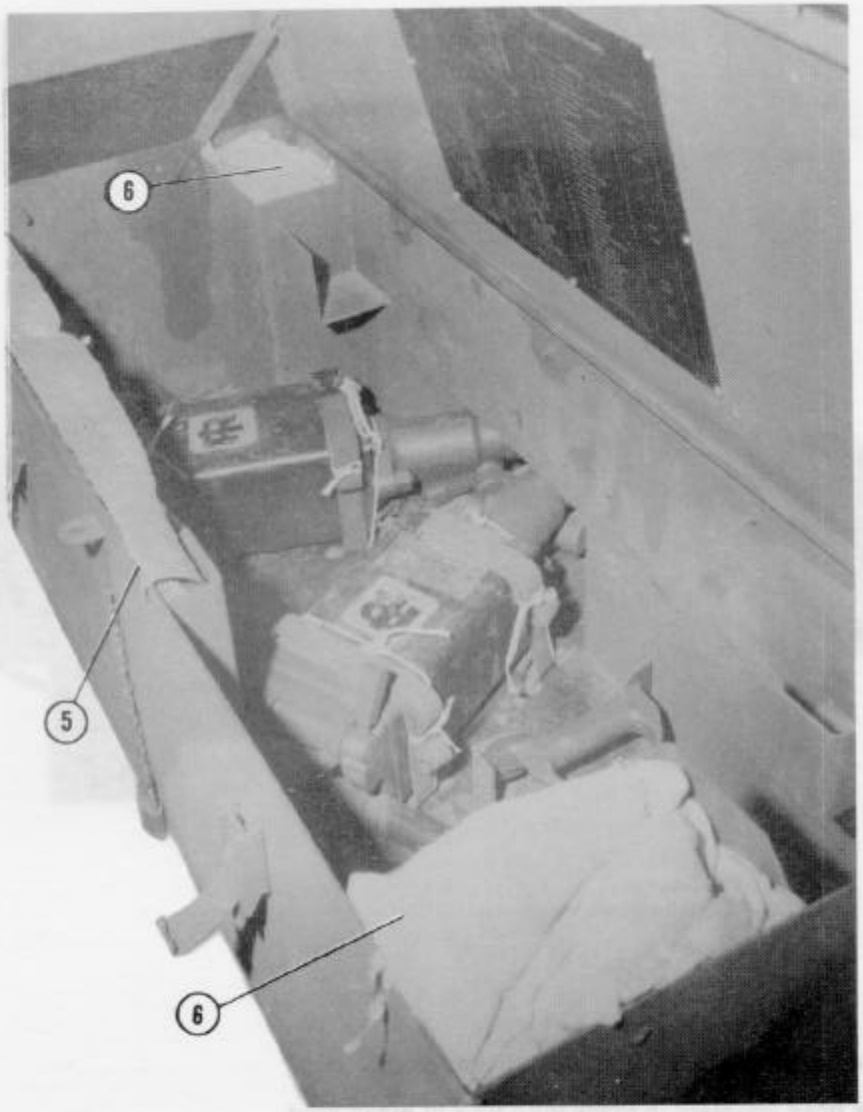
(9) Tie a length of 1/2-inch tubular nylon webbing around each end of the box.

*Figure 3-17. Storage box 3 prepared and secured (continued)*




(1) Tie the two drill sinkers in place with type III nylon cord in storage box 4 (right rear).
(2) Tie the 2-foot drill rods in place with type III nylon cord.
(3) Tie the wood borer in place with type III nylon cord.
(4) Tie the accessories in place with type III nylon cord.

*Figure 3-18. Storage box 4 and jack stand prepared and secured*




(5) Cut to fit and place a piece of honeycomb on top of the drill rods.

(6) Fill the two accessory boxes with cellulose wadding.

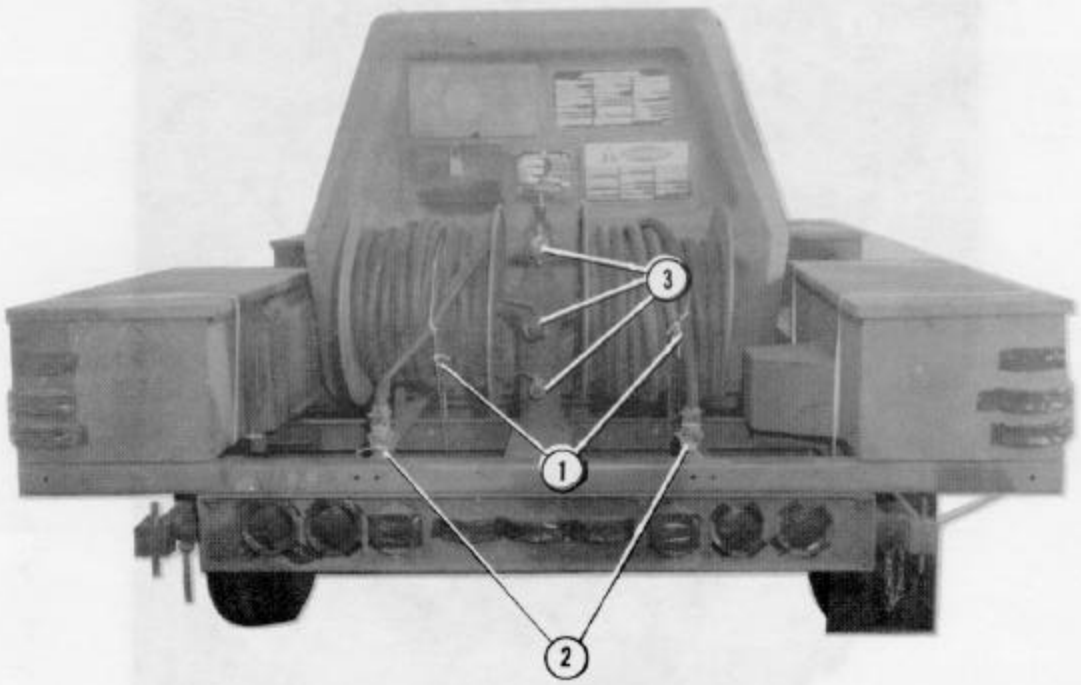
(7) Place a 16- by 45-inch piece of honeycomb (not shown) on top of the items.

(8) Close and lock the storage box lid. If a lock is not available, tie the lock rings with type III nylon cord (not shown).

(9) Tie a length of 1/2-inch tubular nylon webbing around each end of the box (not shown).

(10) Adjust the jack stand to the shortest position. Raise and tie it in place with 1/2-inch tubular nylon webbing (not shown).

*Figure 3-18. Storage box 4 and jack stand prepared and secured (continued)*

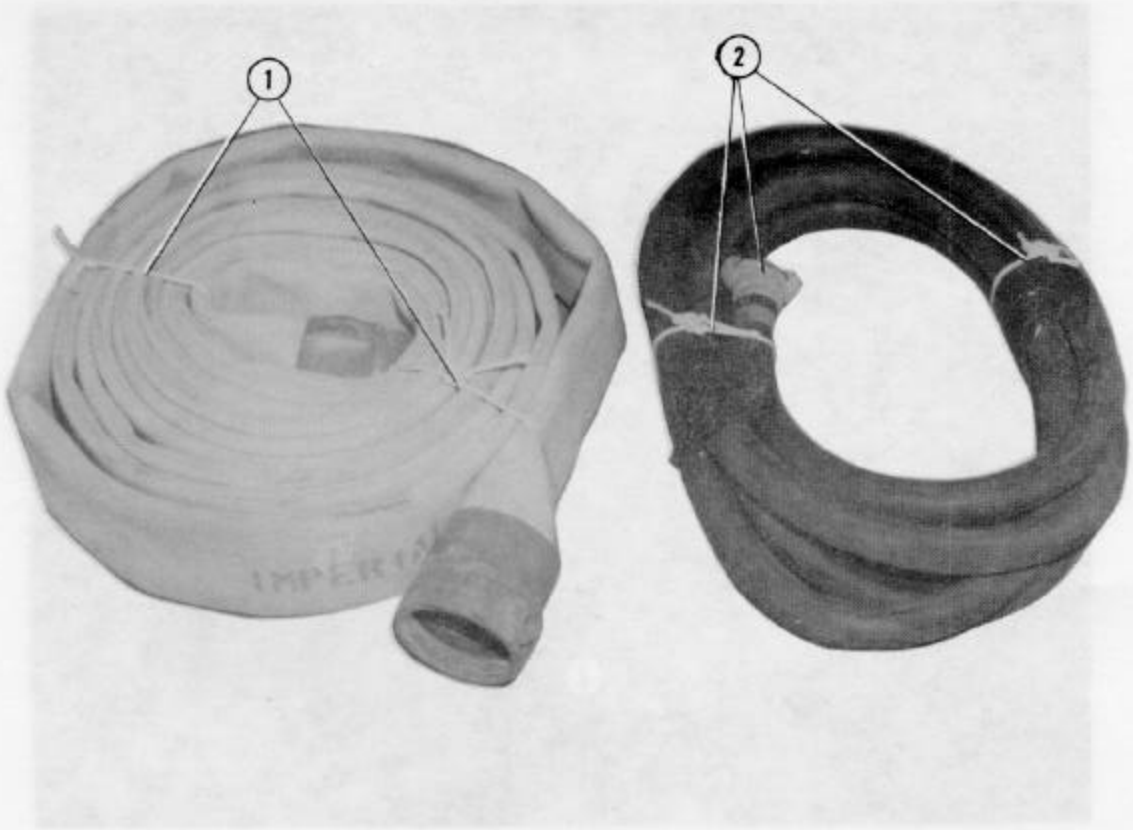



(1) Tie the air hoses in place with type III nylon cord.

(2) Tie the air hose adapters in place with type III nylon cord.

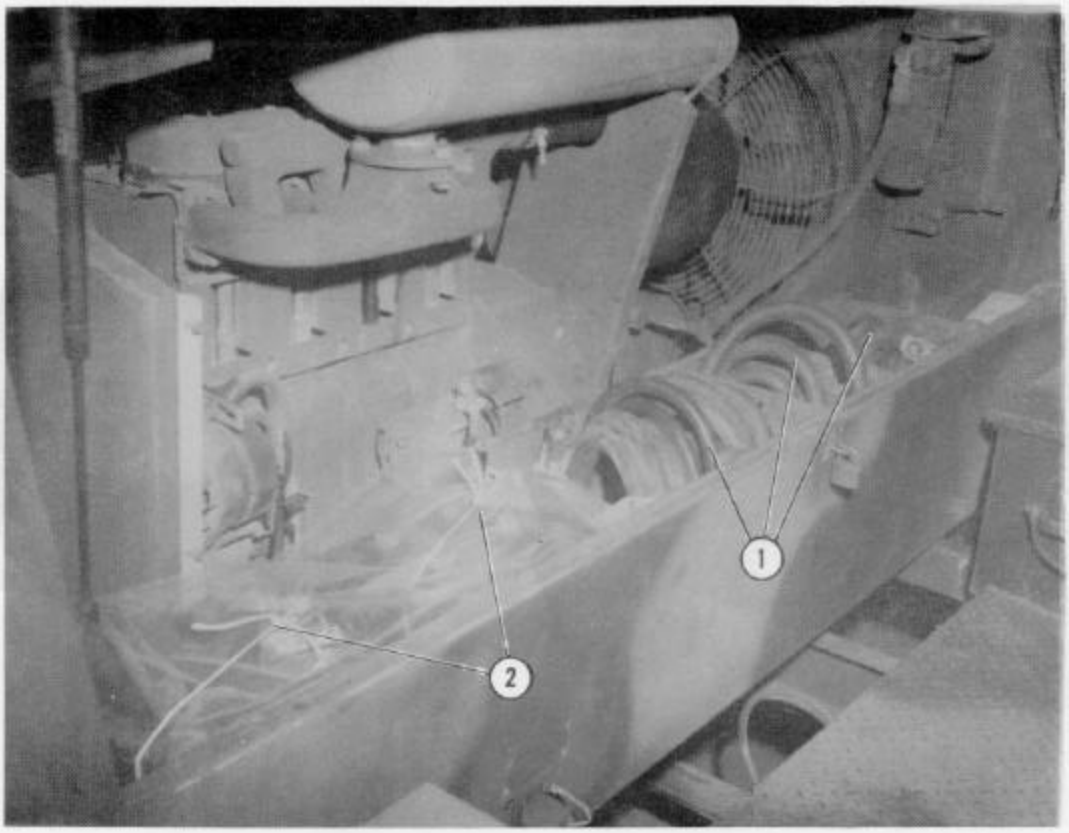
(3) Tape the nozzle openings.

*Figure 3-19. Rear of trailer prepared*




(1) Roll the canvas water hose, and tie it with type III nylon cord.
(2) Roll the air hoses, tape the connector ends, and tie the hoses with type III nylon cord.

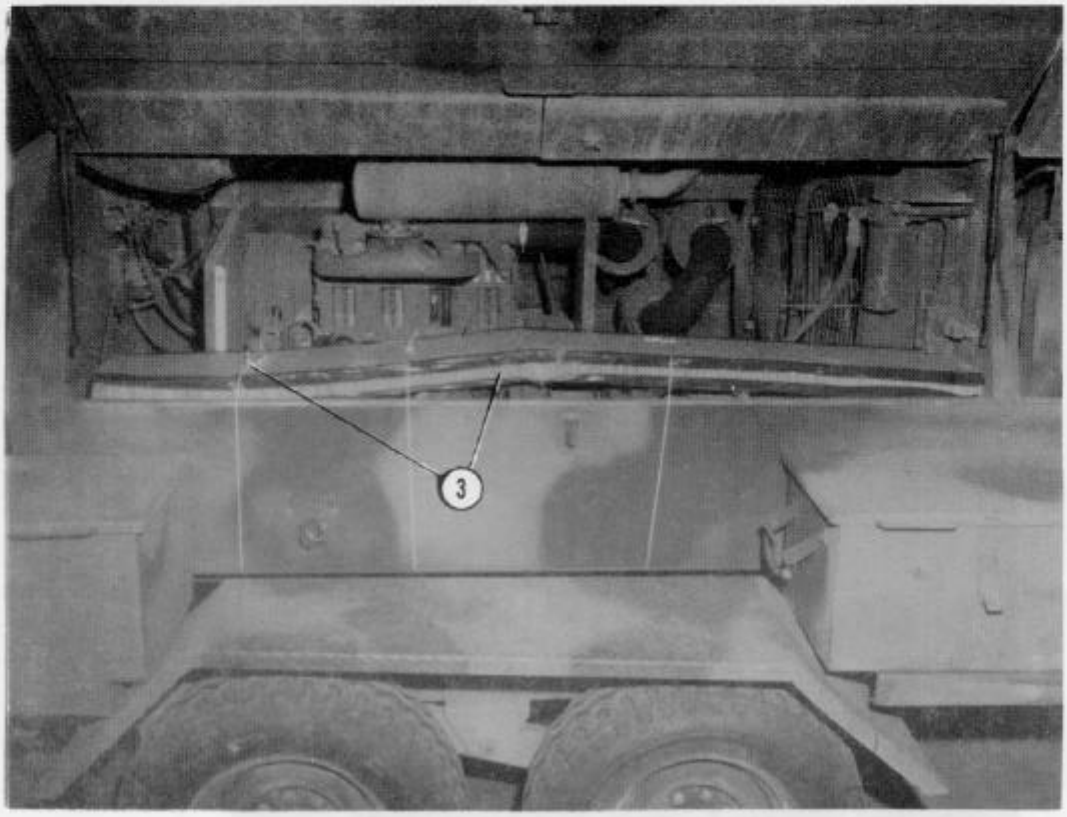
*Figure 3-20. Hoses rolled and tied*




(1) Place the air hoses and the canvas water hoses in the slots provided in the right engine compartment.

(2) Cover the batteries with plastic, and safety them in place with type III nylon cord.

*Figure 3-21. Right engine compartment prepared and secured*



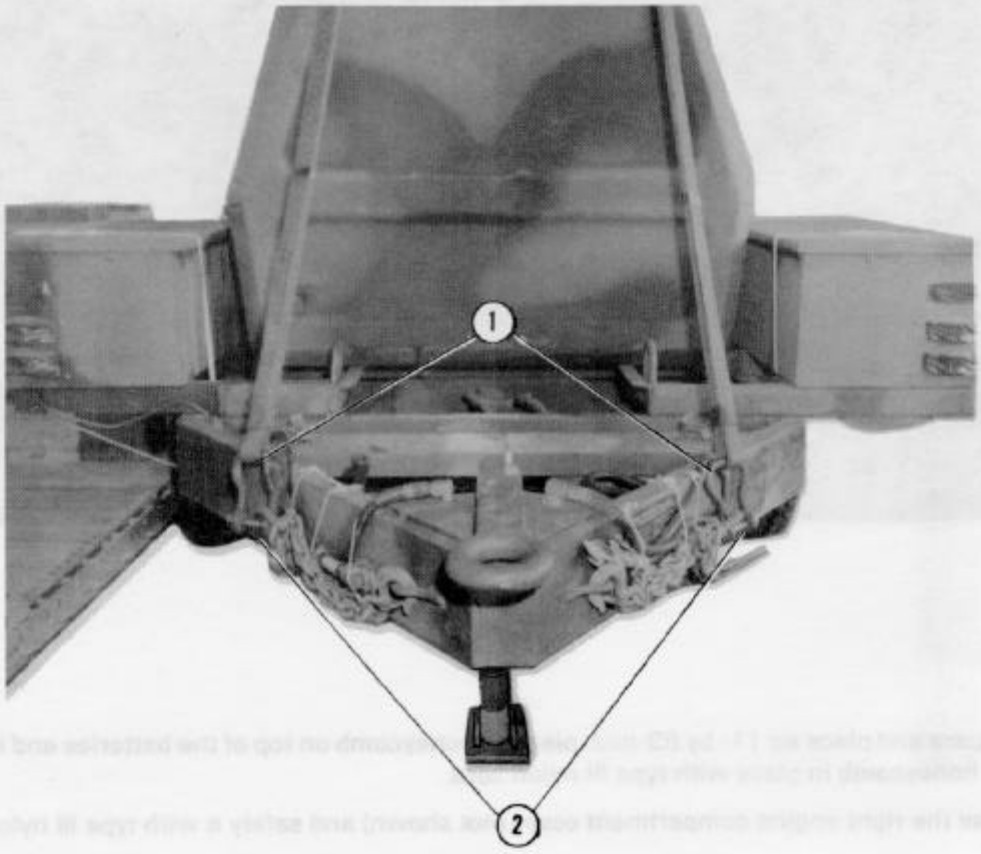

(3) Prepare and place an 11- by 83-inch piece of honeycomb on top of the batteries and hoses. Tie the honeycomb in place with type III nylon cord.

(4) Close the right engine compartment cover (not shown) and safety it with type III nylon cord.

*Figure 3-21. Right engine compartment prepared and secured (continued)*

### 3-6. Installing Lifting Slings and Preparing Jack Stand

Install the lifting slings using four 16-foot (4-loop), type XXVI nylon webbing slings as shown in Figure 3-22. Prepare the jack stand as shown in Figure 3-23.



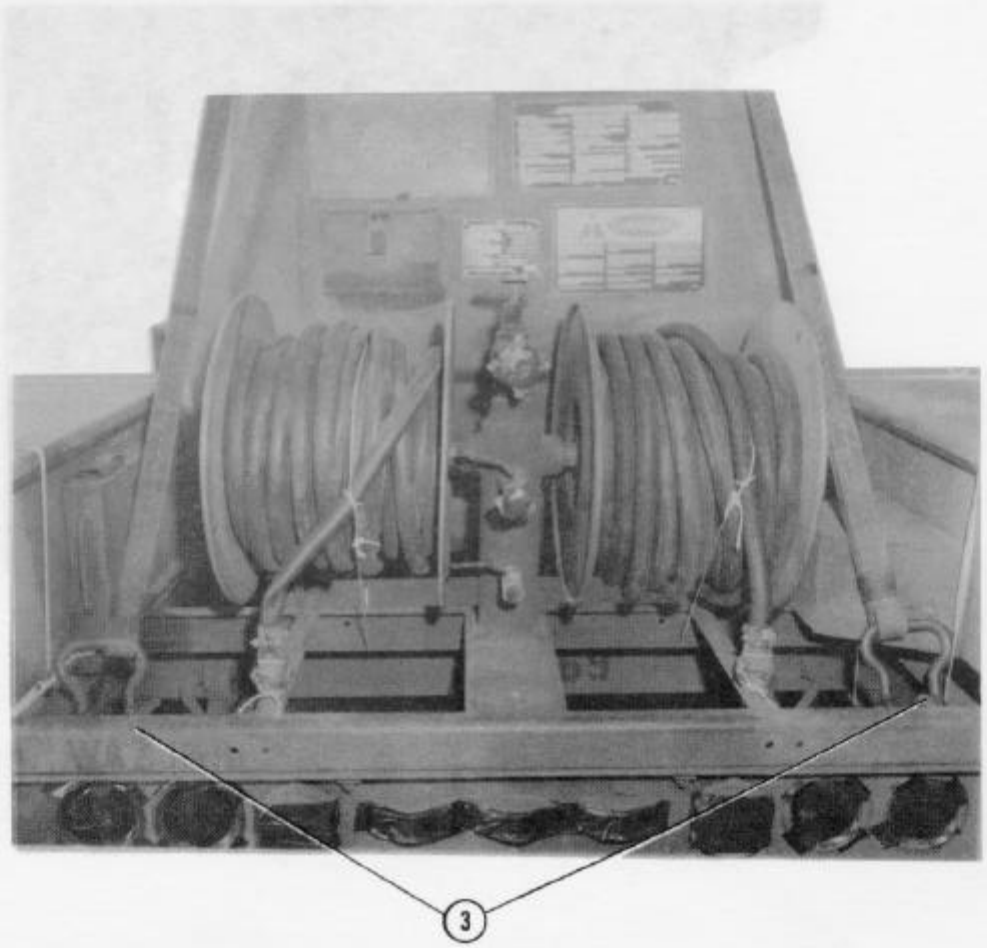

(1) Place the bell portion of a medium suspension clevis in the end loop of each 16-foot (4-loop), type XXVI nylon webbing sling.

(2) Bolt the clevises on the front lifting slings to the outside front tie-down provisions on the drawbar.

*Figure 3-22. Lifting slings installed*

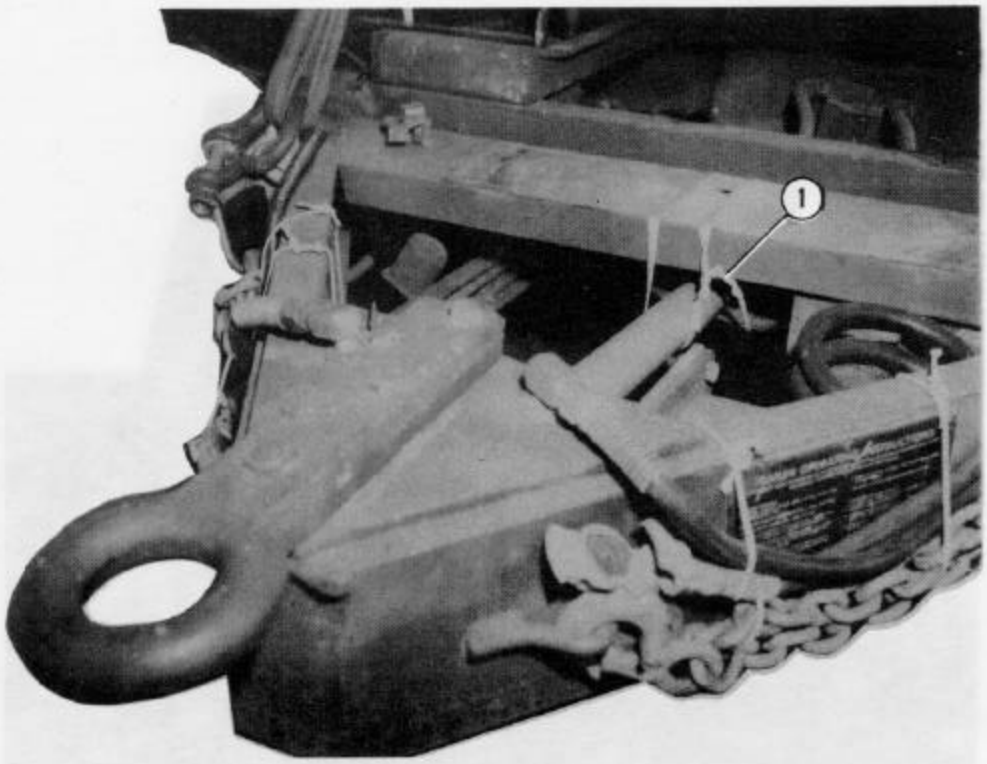
**CAUTION**

**When lifting from these points, ensure the slings clear the hose reels as any pressure on these reels from the slings will result in damage.**




(3) Bolt the clevises on the rear lifting slings to the rear inner frame sections.

*Figure 3-22. Lifting slings installed (continued)*




(1) Raise the front jack stand, and tie it in place with1/2-inch tubular nylon webbing.

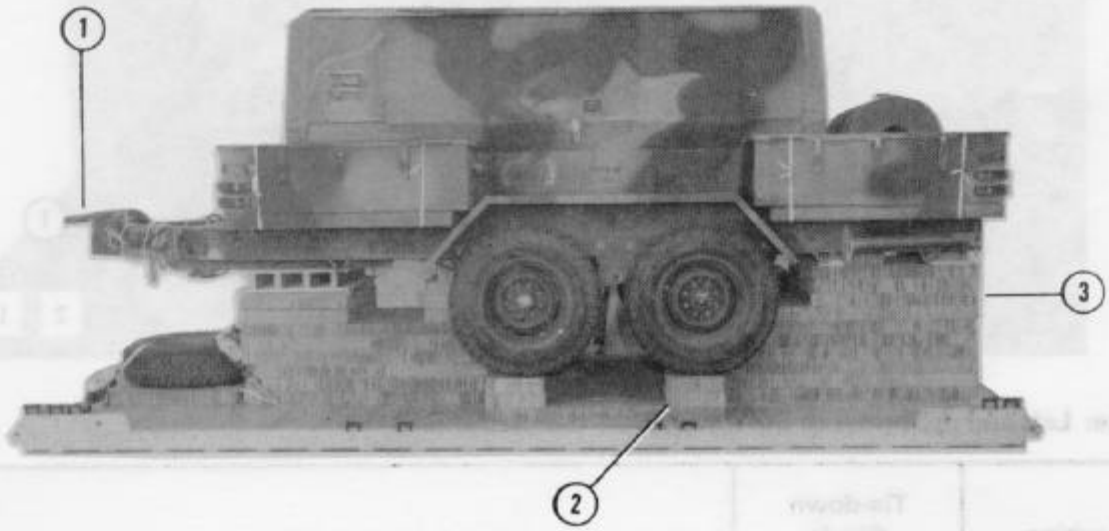
*Figure 3-23. Front jack stand prepared*

### 3-7. Positioning Trailer

Position the trailer on the honeycomb stacks as shown in Figure 3-24.

**CAUTION**

**Make sure the brake pressure relief valve does not touch the strongback on stack 4.**




(1) Place the trailer on the platform with the front of the trailer overhanging the rear of the platform 10 inches.

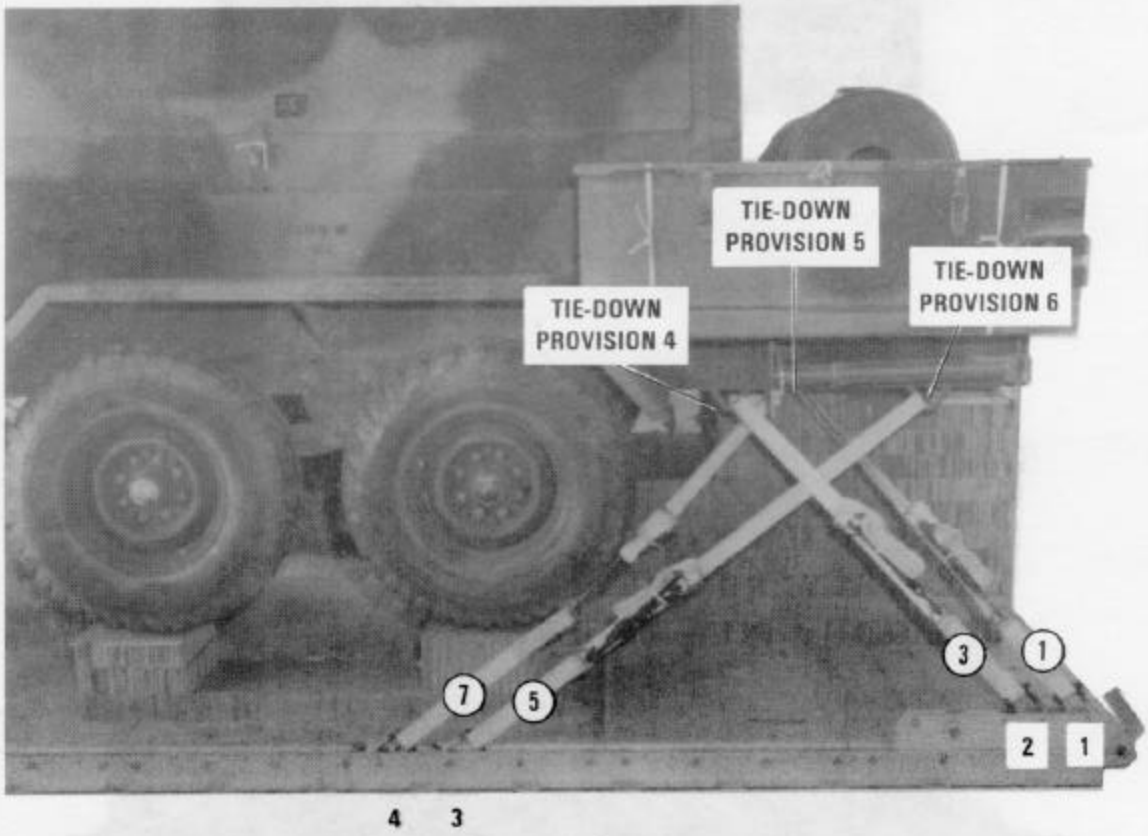
(2) Center the tires of the trailer over stacks 2 and 3.

(3) Center the rear edge of the trailer flush with the front edge of stack 1.

*Figure 3-24. Trailer positioned*

### 3-8. Lashing Trailer

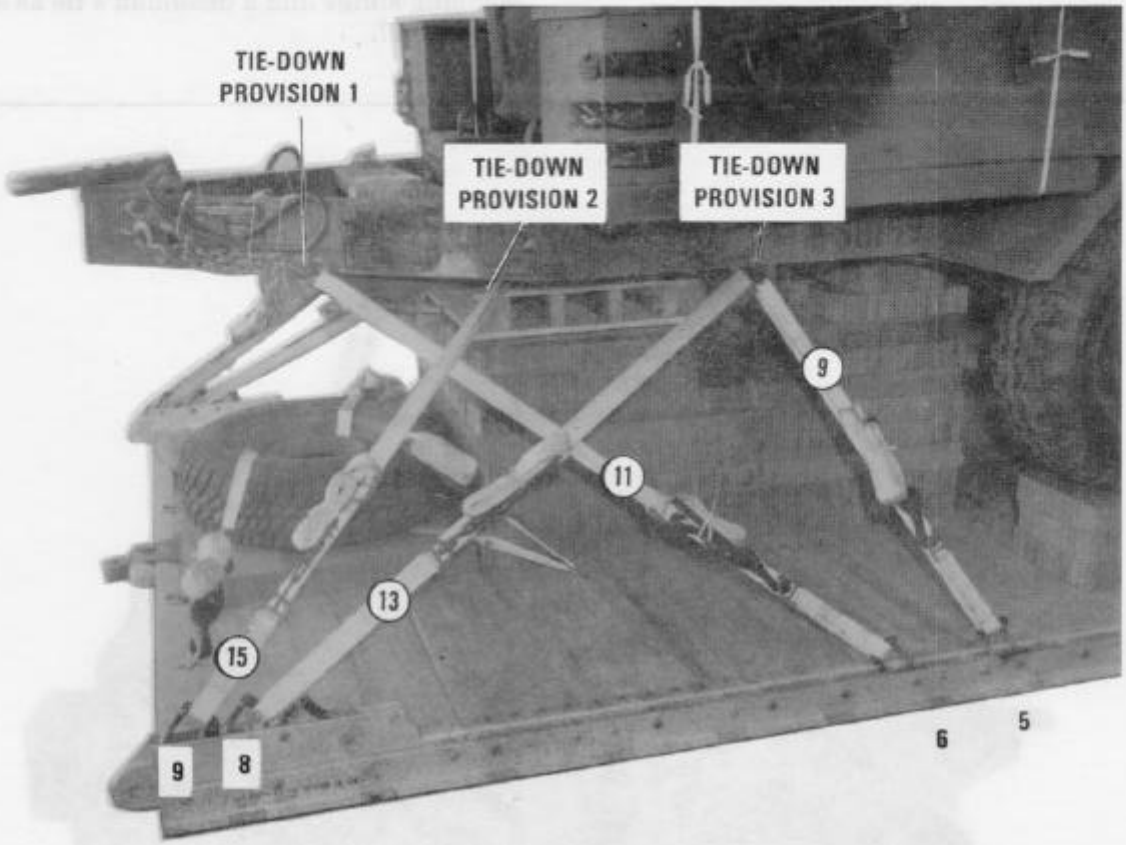
Lash the trailer to the platform using sixteen 15-foot tie-down assemblies according to FM 10-500-2/TO 13C7-1-5 and as shown in Figures 3-25 and 3-26.




**Note: Left and right refer to the trailer, NOT the platform.**

| Lashing Number | Tie-down Clevis Number | Instructions |
|---|---|---|
| | | Pass lashing: |
| 1 | 1 | Through tie-down provision 5, left side. |
| 2 | 1A | Through tie-down provision 5, right side. |
| 3 | 2 | Through tie-down provision 4, left side. |
| 4 | 2A | Through tie-down provision 4, right side. |
| 5 | 3 | Through tie-down provision 6, left side. |
| 6 | 3A | Through tie-down provision 6, right side. |
| 7 | 4 | Through tie-down provision 5, left side. |
| 8 | 4A | Through tie-down provision 5, right side. |

*Figure 3-25. Lashings 1 through 8 installed*



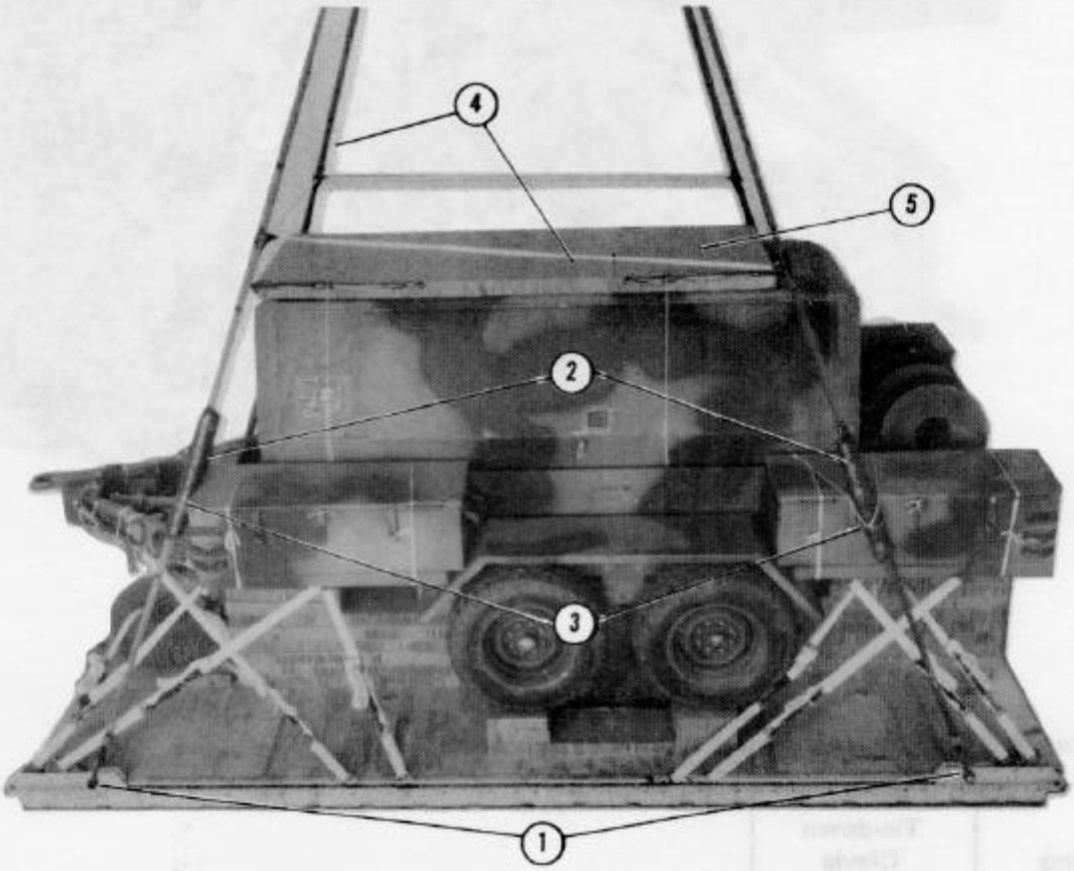

**Note: Left and right refer to the trailer, NOT the platform.**

| Lashing Number | Tie-down Clevis Number | Instructions |
|---|---|---|
| | | Pass lashing: |
| 9 | 5 | Through tie-down provision 3, left side. |
| 10 | 5A | Through tie-down provision 3, right side. |
| 11 | 6 | Through tie-down provision 1, left side. |
| 12 | 6A | Through tie-down provision 1, right side. |
| 13 | 8 | Through tie-down provision 3, left side. |
| 14 | 8A | Through tie-down provision 3, right side. |
| 15 | 9 | Through tie-down provision 2, left side. |
| 16 | 9A | Through tie-down provision 2, right side. |

*Figure 3-26. Lashings 9 through 16 installed*

### 3-9. Installing Suspension Slings and Deadman's Tie

Install four 20-foot (2-loop), type XXVI nylon webbing slings and a deadman's tie as shown in Figure 3-27.




(1) Attach a 20-foot (2-loop), type XXVI nylon webbing sling to each tandem link using a large suspension clevis.

(2) Raise the suspension slings. Wrap a 9- by 18-inch piece of felt around each suspension sling 48 inches from each clevis. Tape the felt in place with pressure-sensitive tape.

(3) Safety the suspension slings to the front and rear cross members with type III nylon cord.

(4) Install the deadman's tie according to FM 10-500-2/TO 13C7-1-5.

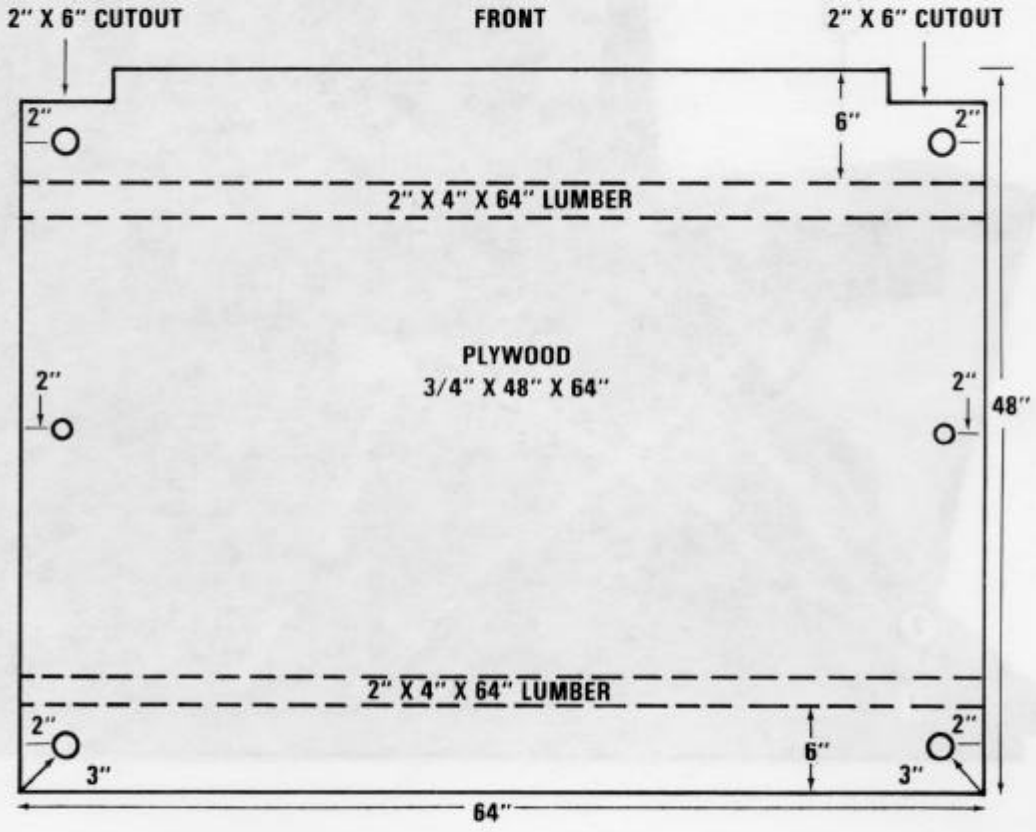
(5) Place a 36- by 96-inch piece of honeycomb on top of the compressor. Secure the honeycomb at convenient points with type III nylon cord.

*Figure 3-27. Suspension slings and deadman's tie installed*

## 3-10. Building and Installing Parachute Stowage Platform

Build the parachute stowage platform as shown in Figure 3-28. Install the parachute stowage platform as shown in Figure 3-29.

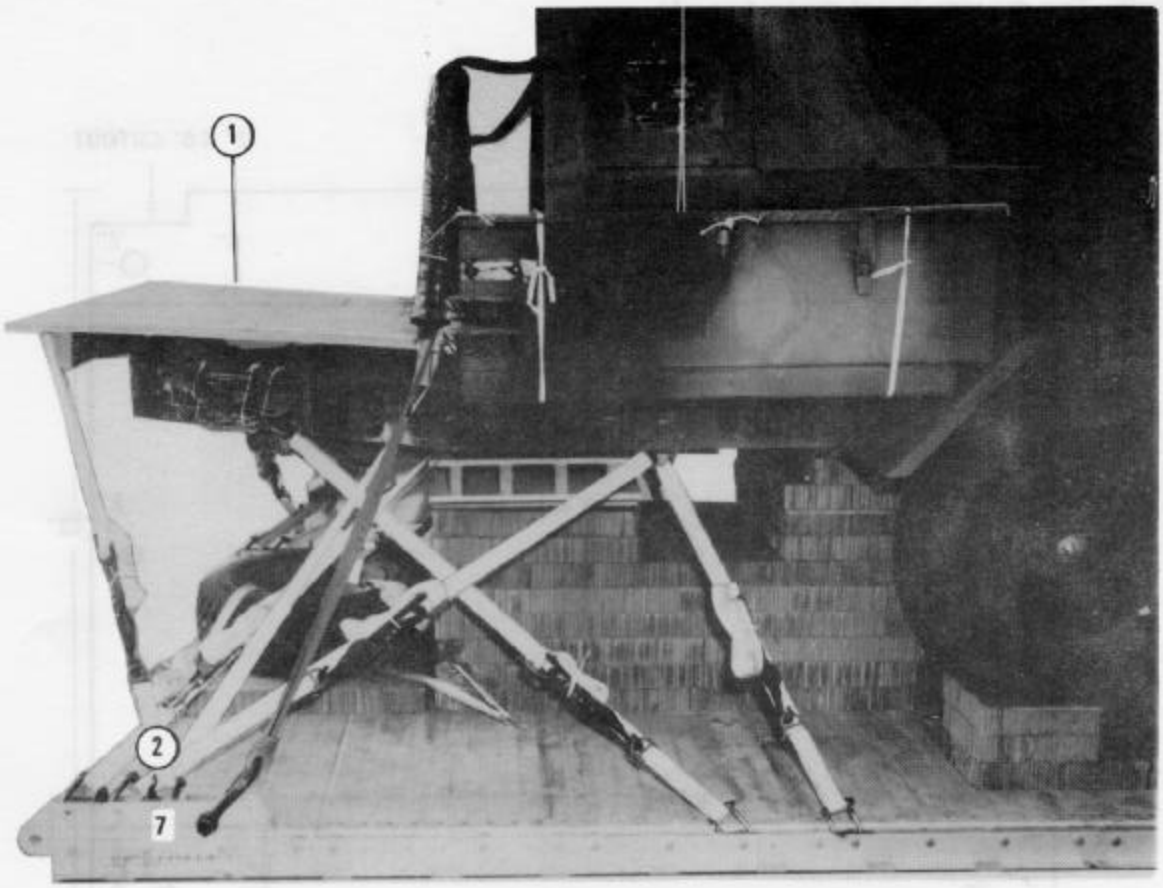
**Note: This drawing is not drawn to scale.**




**Step:**

1. Cut a 3/4- by 48- by 64-inch piece of plywood.
2. Make a 2- by 6-inch cutout on each front corner of the platform.
3. Drill a 2-inch hole 3 inches diagonally from each corner of the platform.
4. Drill a 1-inch hole 2 inches from the side and at the center of each 48-inch side of the platform.
5. Nail a 2- by 4- by 64-inch piece of lumber 6 inches from each 64-inch side using sixpenny or eightpenny nails.

*Figure 3-28. Parachute stowage platform built*




(1) Place the stowage platform on the drawbar frame with the 2- by 6-inch cutouts facing the load.

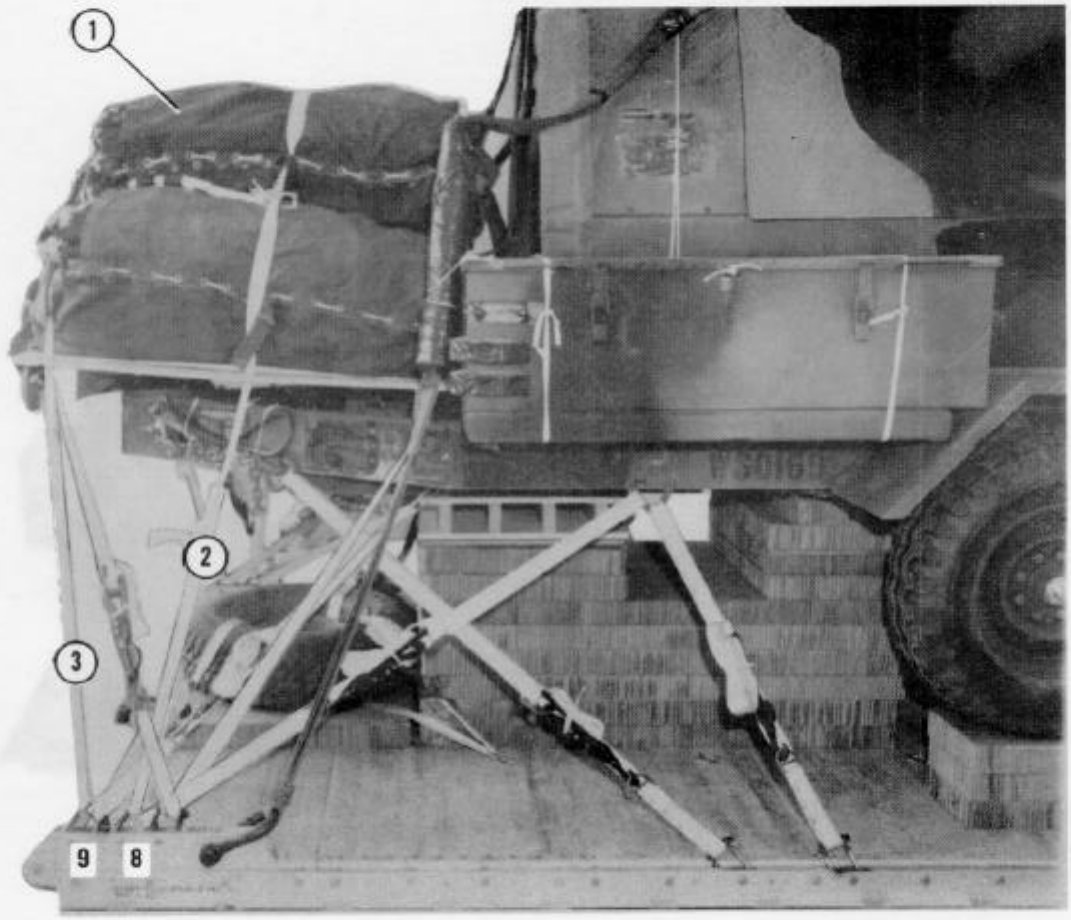
(2) Run the free end of a 15-foot lashing through clevis 7, through the front corner hole on the right side of the stowage platform, over the platform, and through the rear corner hole. Secure the lashing with a D-ring and a load binder.

(3) Repeat step 2 above on the left side (not shown) using clevis 7A.

*Figure 3-29. Parachute stowage platform installed*

### 3-11. Stowing and Securing Cargo Parachutes

Prepare, stow, and secure three G-11A, two G-11B, or two G-11C cargo parachutes according to FM 10-500-2/TO 13C7-1-5 and as shown in Figure 3-30.




(1) Place the parachutes on the parachute stowage platform according to FM 10-500-2/TO 13C7-1-5.

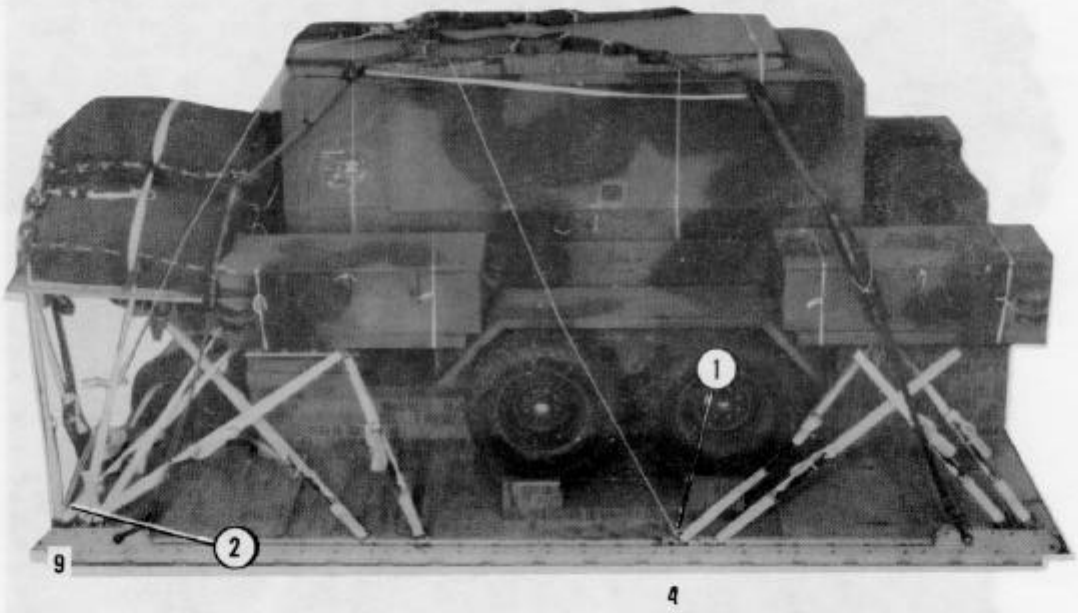
(2) Pass the first parachute restraint strap through the center holes of the stowage platform. Fasten the strap to clevises 8 and 8A.

(3) Pass the second parachute restraint strap through the rear holes of the stowage platform. Fasten the strap to clevises 9 and 9A.

*Figure 3-30. Parachutes stowed and secured*

### 3-12. Installing Parachute Release

Prepare, install, and safety an M-1 cargo parachute release according to FM 10-500-2/TO 13C7-1-5 and as shown in Figure 3-31.



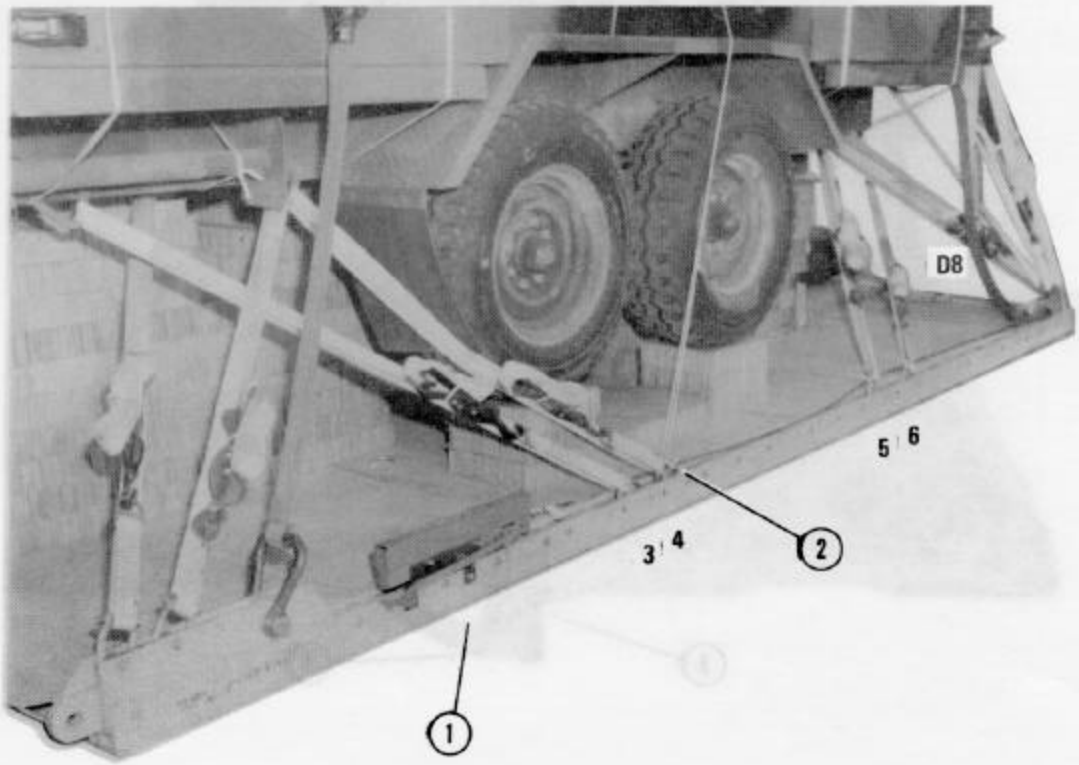

(1) Safety the front of the release to clevises 4 and 4A with type III nylon cord according to FM 10-500-2/TO 13C7-1-5.

(2) Safety the rear of the release to clevises 9 and 9A with type III nylon cord according to FM 10-500-2/TO 13C7-1-5.

*Figure 3-31. Release system installed*

### 3-13. Preparing and Installing Extraction System

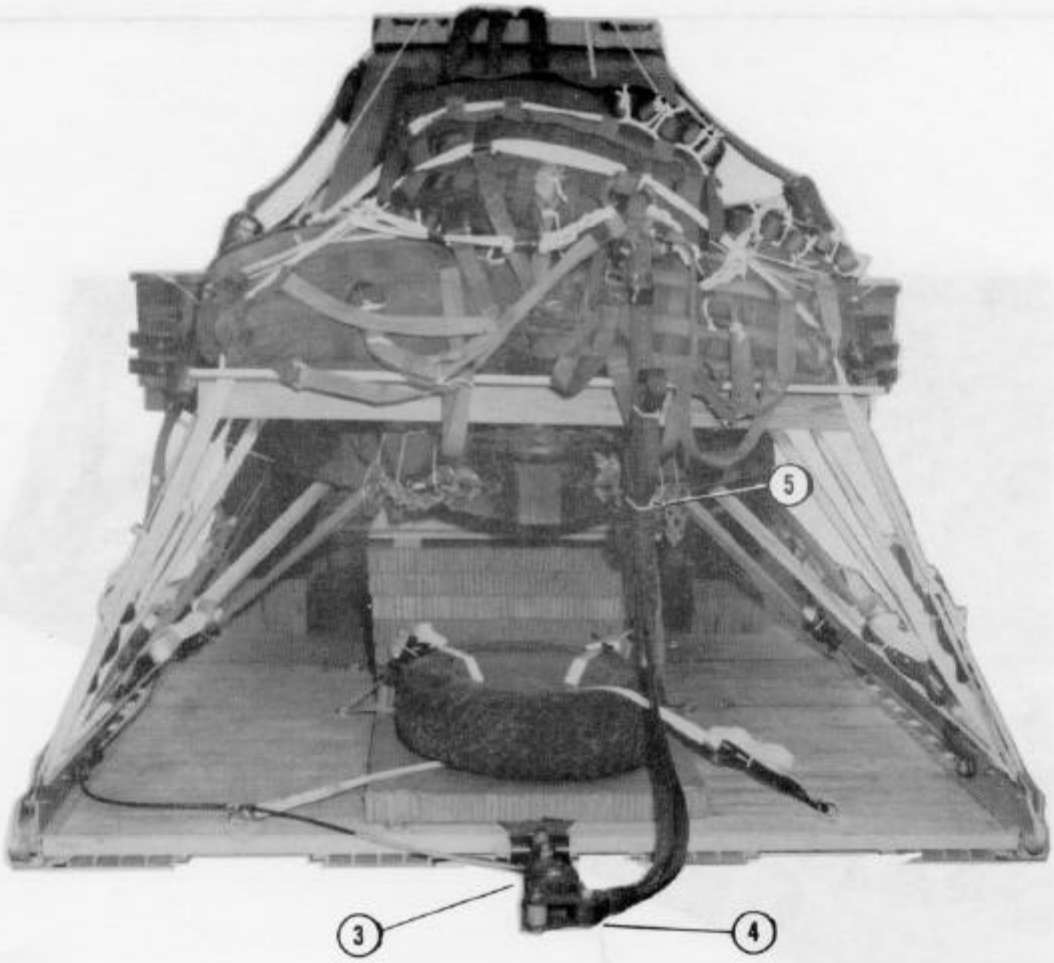
Prepare and install the EFTC extraction system according to FM 10-500-2/TO 13C7-1-5 and as shown in Figure 3-32.




(1) Attach the type V EFTA mounting brackets to the front mounting holes in the left platform rail. Install the actuator to the EFTA mounting brackets according to FM 10-500-2/TO 13C7-1-5.

(2) Attach a 16-foot cable to the actuator. Safety it to clevises 3, 4, 5, and 6 and tie-down ring D8.

*Figure 3-32. Extraction system installed*




(1) Use a 5-inch latch assembly adapter, and attach the latch assembly to the extraction bracket according to FM 10-500-2/TO 13C7-1-5 with the locking nut hole facing toward the left side of the platform.

(2) Connect one end of a 9-foot (2-loop), type XXVI nylon webbing sling (deployment line) to the right spacer of the link assembly. Connect the free end to the center large suspension clevis.

(3) Fold the excess deployment line, and secure the folds in place with tape or type I, 1/4-inch cotton webbing.

*Figure 3-32. Extraction system installed (continued)*

### 3-14. Installing Provisions for Emergency Restraints

Install the provisions for the emergency restraints on the load as described below.

*a. C-130 Aircraft.* Attach a medium suspension clevis to each front tandem link.

*b. C-141 Aircraft.* Attach a large suspension clevis to each front tandem link.

### 3-15. Placing Extraction Parachutes

Place the extraction parachutes as described below.

*a. C-130 Aircraft.* Place a 22-foot cargo extraction parachute and a 60-foot (3-loop), type XXVI nylon webbing extraction line on the load for installation in the aircraft.

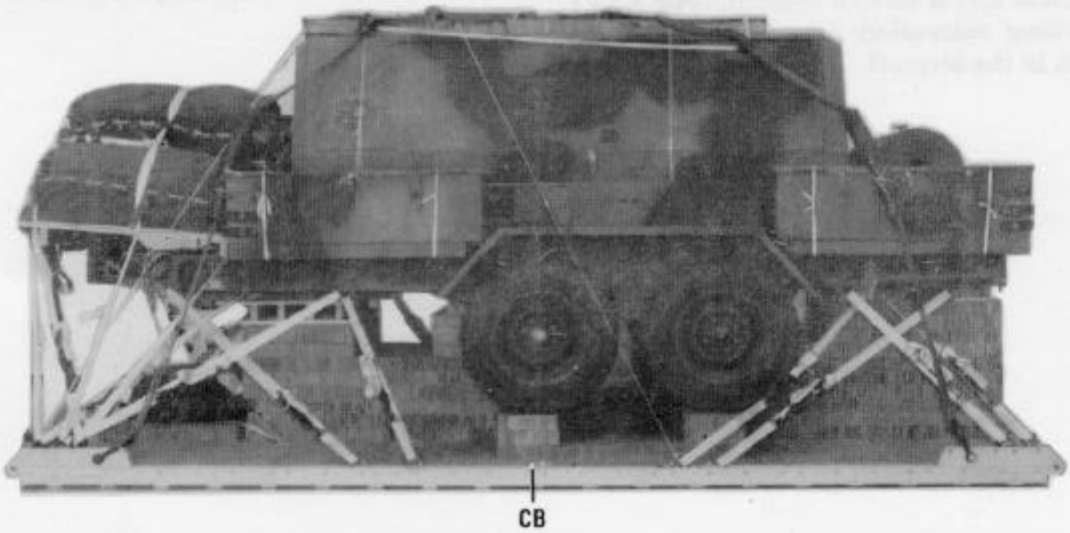
*b. C-141 Aircraft.* Place a 22-foot cargo extraction parachute and a 140-foot (3-loop), type XXVI nylon webbing extraction line on the load for installation in the aircraft.

### 3-16. Marking Rigged Load

Mark the rigged load according to FM 10-500-2/TO 13C7-1-5 and as shown in Figure 3-33. Complete DD Form 1387-2, and securely attach it to the load. Indicate on DD Form 1387-2 that the load has been prepared according to AFR 71-4/TM 38-250. If the load varies, the weight, height, CB, and parachute requirements must be recomputed.

**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 | 10,100 pounds |
| Maximum load allowed | 10,500 pounds |
| Height | 96 inches |
| Width | 108 inches |
| Length | 214 1/2 inches |
| Overhang: Front | 4 1/2 inches |
| Rear | 18 inches |
| CB (from front edge of platform) | 94 1/2 inches |
| Extraction System | EFTC |

*Figure 3-33. Ingersol-Rand model, 250-CFM, trailer-mounted air compressor rigged on a type V platform for low-velocity airdrop*

### 3-17. Equipment Required

Use the equipment listed in Table 3-1 to rig this load.

*Table 3-1. Equipment required for rigging the Ingersol-Rand model, 250-CFM, trailer-mounted air compressor on a type V platform for low-velocity airdrop*

| 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) | 6 |
| 4030-00-090-5354 | 1-in (large) | 8 |
| 8305-00-242-3593 | Cloth, cotton duck, 60-in | As required |
| 4020-00-240-2146 | Cord, nylon, type III, 550-lb | As required |
| 1670-00-434-5785 | Coupling, airdrop, extraction force transfer w 16-ft cable | 1 |
| | Cover: | |
| 1670-00-360-0328 | Clevis, large | 3 |
| 1670-00-360-0329 | Link (type IV) | 12 |
| 8135-00-664-6958 | Cushioning material, packaging, cellulose wadding | As required |
| 8305-00-958-3685 | Felt, 1/2-in thick | As required |
| 1670-01-183-2678 | Leaf, extraction line | 2 |
| | Line, extraction: | |
| 1670-00-856-0266 | 60-ft (3-loop), type X nylon webbing (Use w 22-ft parachute.) or | 1 |
| 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 |
| 1670-00-783-5988 | Link assembly, type IV | 12 |
| 5510-00-220-6146 | Lumber, 2- by 4-in: | |
| | 24-in | 2 |
| | 36-in | 4 |
| | 64-in | 2 |
| 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: | 17 sheets |
| | 11- by 83-in | (1) |
| | 12- by 12-in | (8) |
| | 12- by 48-in | (2) |
| | 16- by 45-in | (2) |
| | 30- by 36-in | (1) |
| | 36- by 6-in | (1) |
| | 36- by 8-in | (4) |
| | 36- by 10-in | (8) |
| | 36- by 14-in | (2) |
| | 36- by 16-in | (3) |
| | 36- by 24-in | (2) |
| | 36- by 36-in | (3) |

*Table 3-1. Equipment required for rigging the Ingersol-Rand model, 250-CFM, trailer-mounted air compressor on a type V platform for low-velocity airdrop (continued)*

| National Stock Number | Item | Quantity |
|---|---|---|
| | 36- by 58-in | (6) |
| | 36- by 60-in | (7) |
| | 36- by 96-in | (1) |
| | Parachute: | |
| | Cargo: | |
| 1670-00-269-1107 | G-11A or | 3 |
| 1670-01-016-7841 | G-11B or | 2 |
| 1670-01-016-7841 | G-11C | 2 |
| | Cargo extraction: | |
| 1670-00-687-5458 | 22-ft or | 1 |
| 1670-01-063-3716 | 22-ft | 1 |
| 9330-00-286-1231 | Plastic, sheet roll (40- by 50-ft) | As required |
| | Platform, AD, type V, 16-ft: | 1 |
| | Bracket: | |
| 1670-01-162-2375 | Inside EFTA | (1) |
| 1670-01-162-2374 | Outside EFTA | (1) |
| 1670-01-162-2372 | Clevis assembly | (18) |
| 1670-01-162-2376 | Extraction bracket assembly | (1) |
| 1670-01-162-2381 | Tandem link | (4) |
| | Plywood: | |
| 5530-00-129-7721 | 1/4-in: | |
| | 36- by 6-in | 1 |
| | 36- by 10-in | 1 |
| 5530-00-129-7777 | 1/2- by 36- by 8-in | 1 |
| 5530-00-128-4981 | 3/4-in: | |
| | 36- by 6-in | 2 |
| | 36- by 8-in | 3 |
| | 36- by 10-in | 4 |
| | 36- by 24-in | 2 |
| | 48- by 64-in | 1 |
| 1670-01-097-8816 | Release, cargo parachute, M-1 | 1 |
| | Sling, cargo airdrop: | |
| | For deployment line: | |
| 1670-01-062-6304 | 9-ft (2-loop), type XXVI nylon webbing | 1 |
| | For lifting: | |
| 1670-00-432-2507 | 16-ft (4-loop), type XXVI nylon webbing or | 4 |
| 1670-00-003-7237 | 16-ft (4-loop), type XXVI nylon webbing or | 4 |
| 1670-01-062-6308 | 16-ft (4-loop), type XXVI nylon webbing | 4 |
| | For riser extension: | |
| 1670-00-823-5043 | 20-ft (3-loop), type X nylon webbing or | 6 |
| 1670-01-062-6302 | 20-ft (2-loop), type XXVI nylon webbing | 6 |
| | For suspension: | |
| 1670-01-062-6302 | 20-ft (2-loop), type XXVI nylon webbing | 4 |
| 1670-00-998-0117 | Static line, cargo parachute, breakaway type | 2 |
| | Strap: | |
| 1670-00-738-5879 | Connector, 120-in | 1 |
| 1670-00-040-8219 | Parachute release, multicut comes w 3 knives | 2 |

*Table 3-1. Equipment required for rigging the Ingersol-Rand model, 250-CFM, trailer-mounted air compressor on a type V platform for low-velocity airdrop (continued)*

| National Stock Number | Item | Quantity |
|---|---|---|
| 7510-00-266-5016 | Tape, adhesive, 2-in | As required |
| 1670-00-937-0271 | Tie-down assembly, 15-ft | 20 |
| | Webbing: | |
| 8305-00-268-2411 | Cotton, 1/4-inch, type I | As required |
| | Nylon: | |
| 8305-00-082-5752 | Tubular, 1/2-in | As required |
| 8305-00-263-3591 | Type VIII | As required |

# GLOSSARY

| | |
|---|---|
| ACB | attitude control bar |
| AD | airdrop |
| AFB | Air Force base |
| AFR | Air Force regulation |
| AFTO | Air Force technical order |
| ALC | Airlift Logistics Center |
| ARNG | Army National Guard |
| attn | attention |
| C | change |
| CB | center of balance |
| CFM | cubic feet per minute |
| d | penny |
| DA | Department of the Army |
| DC | District of Columbia |
| DD | Department of Defense |
| diam | diameter |
| DS | direct support |
| EFTA | extraction force transfer actuator |
| EFTC | extraction force transfer coupling |
| FM | field manual |
| ft | feet/foot |
| gal | gallon |
| HQ | headquarters |
| in | inch |
| LAPE | low-altitude parachute-extraction |
| LAPES | low-altitude parachute-extraction system |
| lb | pound |
| MAC | Military Airlift Command |
| no | number |
| PEFTC | extraction force transfer coupling (platform) |
| qty | quantity |
| rqr | requirement |
| SL/CS | static line/connector strap |
| TM | technical manual |
| TO | technical order |
| TRADOC | United States Army Training and Doctrine Command |
| US | United States |
| USAR | United States Army Reserve |
| w | with |
| yd | yard |

# REFERENCES

| | |
|---|---|
| AFR 71-4/TM 38-250 | Packaging and Materials Handling: Preparing of Hazardous Materials for Military Air Shipments |
| FM 10-500-2/TO 13C7-1-5 | Airdrop of Supplies and Equipment: Rigging Airdrop Platforms |
| TM 10-1670-208-20&P/ TO 13C3-4-12 | Organizational Maintenance Manual Including Repair Parts and Special Tools List for Platforms, Type II Modular and LAPES/Airdrop Modular |
| TM 10-1670-215-23/ TO 13C5-1-102 | Organizational and DS Maintenance Manual Including Repair Parts and Special Tools List for Parachute, Cargo Types. . . . |
| TM 10-1670-268-20&P/ TO 13C7-52-22 | Organizational Maintenance Manual With Repair Parts and Special Tools List: Type V Airdrop Platform |
| AFTO Form 22 | Technical Order Publication Improvement Report |
| DA Form 2028 | Recommended Changes to Publications and Blank Forms |
| DD Form 1387-2 | Special Handling Data/Certification |