

### POSITIONING BOAT

2-8. Center the boat on the platform with the transom even with the front edge of the honeycomb as shown in Figure 2-14.

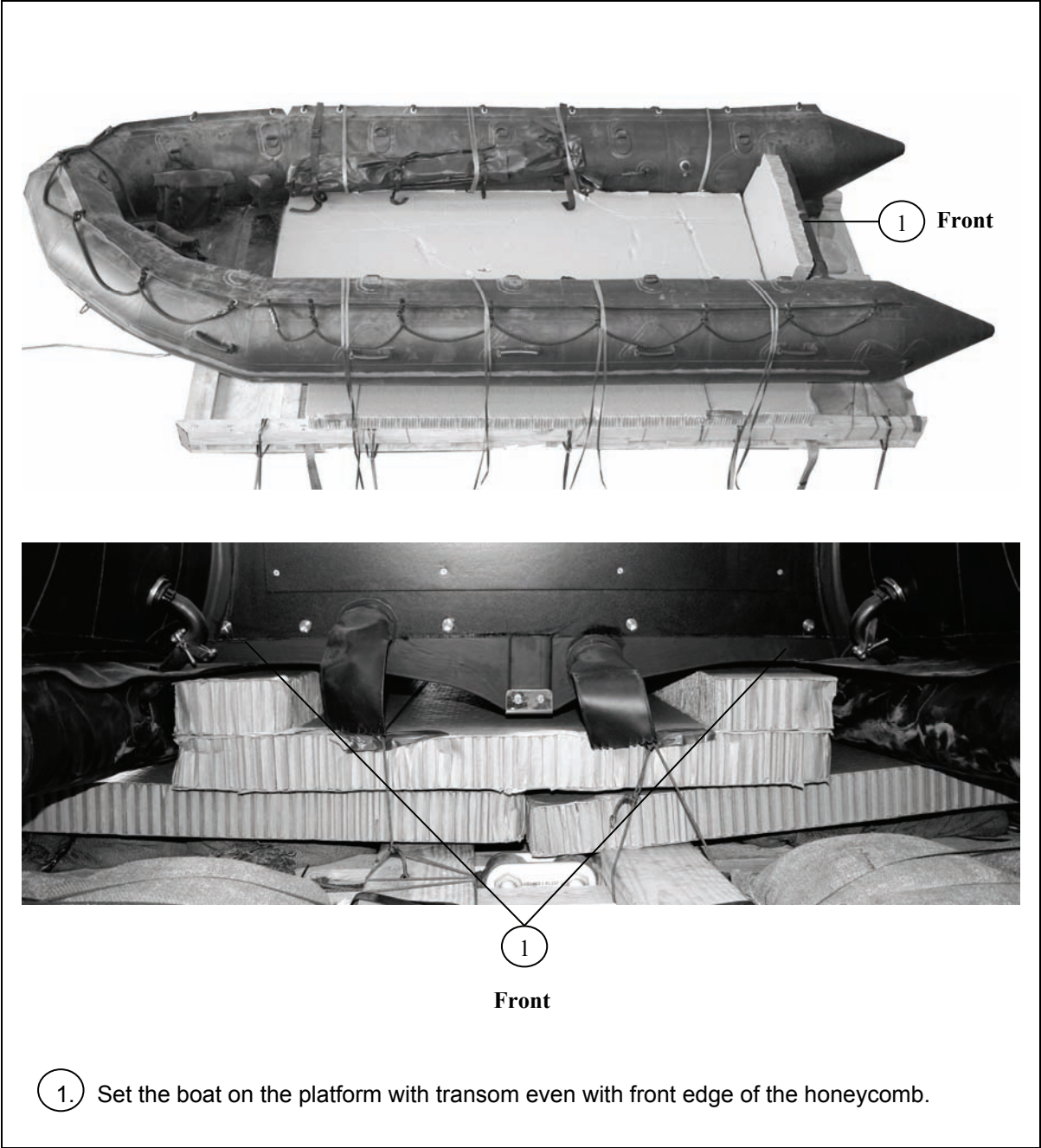
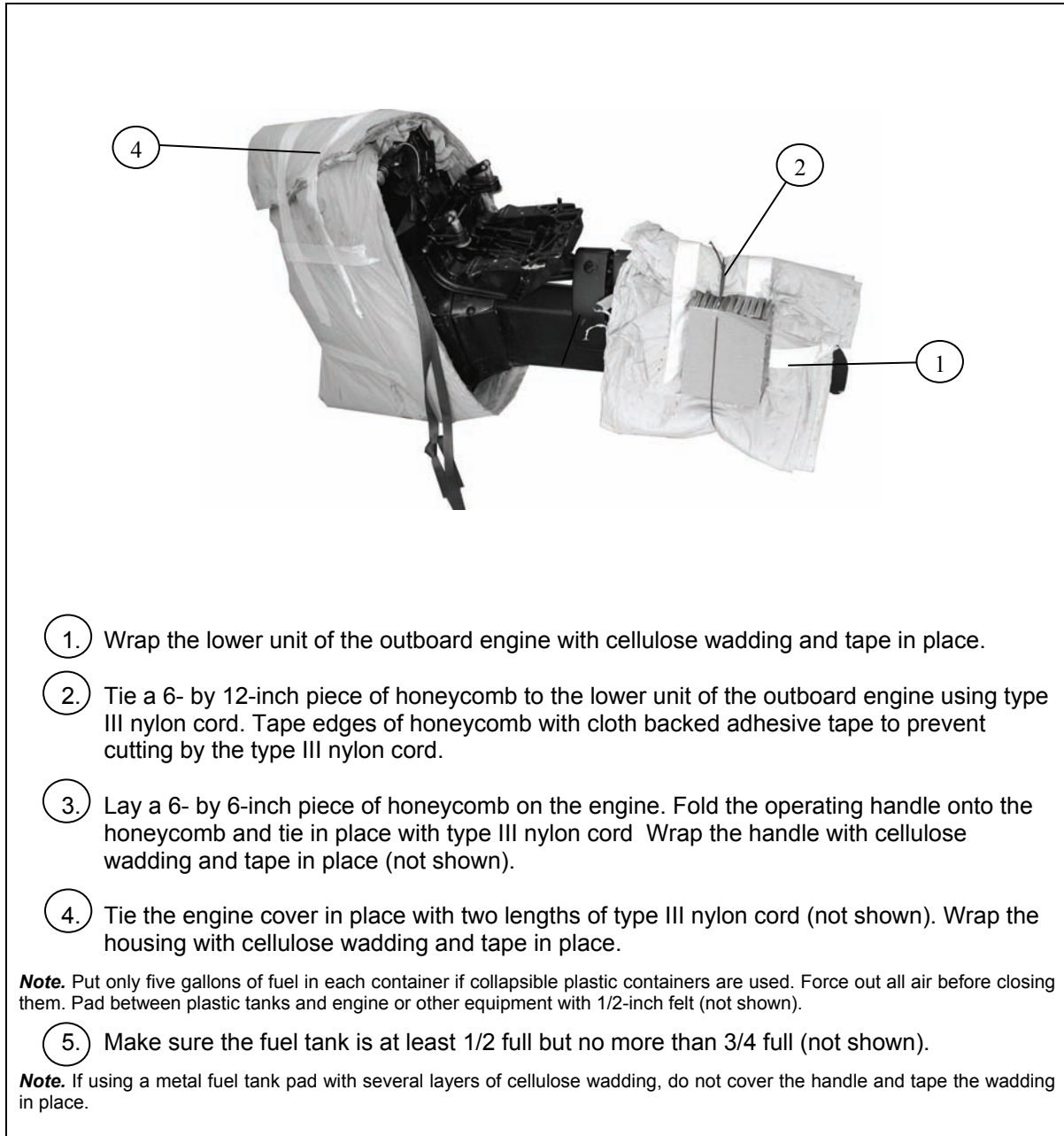


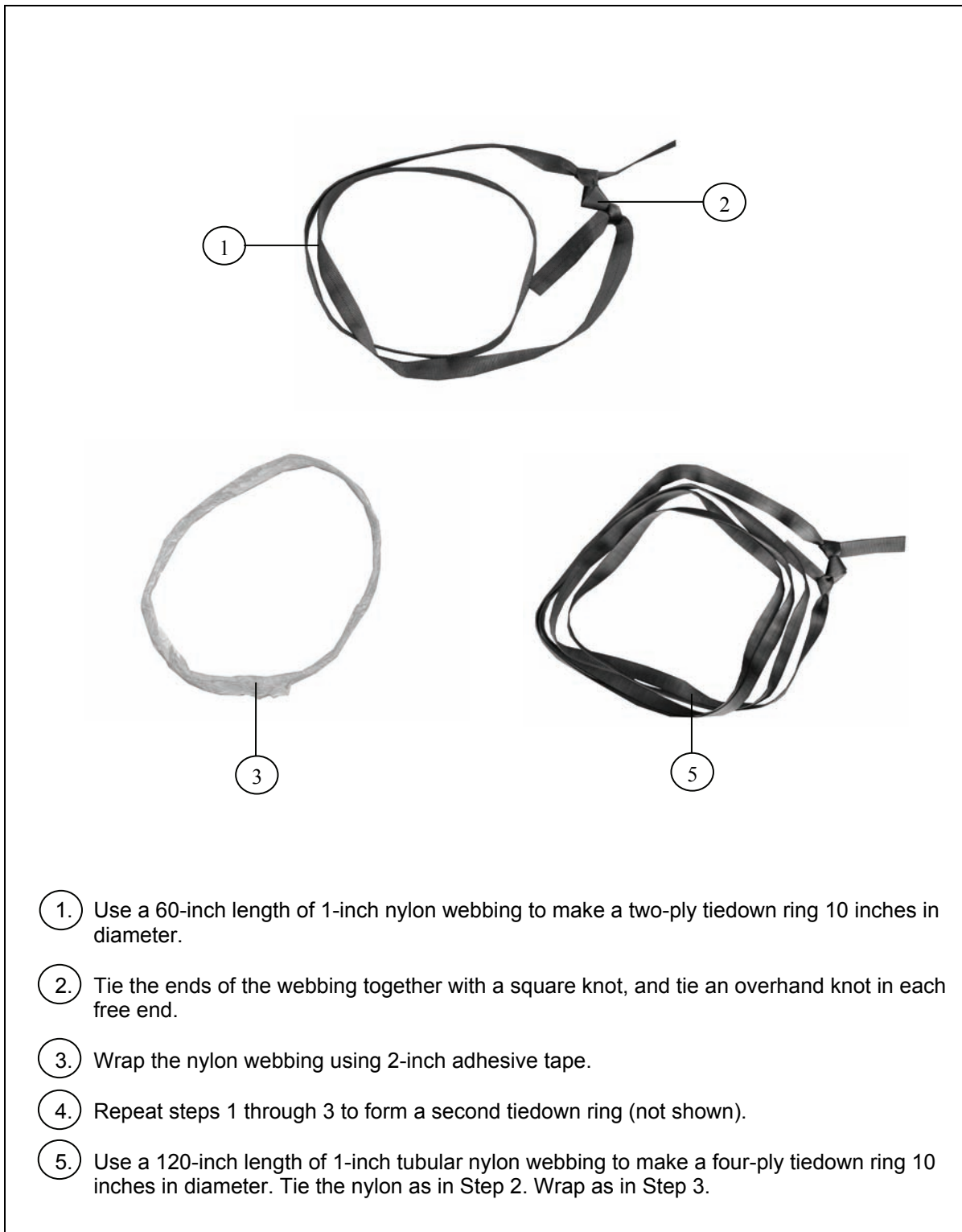
Figure 2-14. Boat Positioned

## PREPARING, PLACING, AND SECURING ACCOMPANYING LOAD

2-9. Prepare the Johnson Enforcer or Bombardier outboard engine and fuel tanks as shown in Figure 2-15. Prepare the three tiedown rings as shown in Figure 2-16. Place the engines, fuel tanks, and load as shown in Figure 2-17. Secure the tiedown rings as shown in Figure 2-18. Secure the engines, fuel tanks, and load as shown in Figure 2-19.



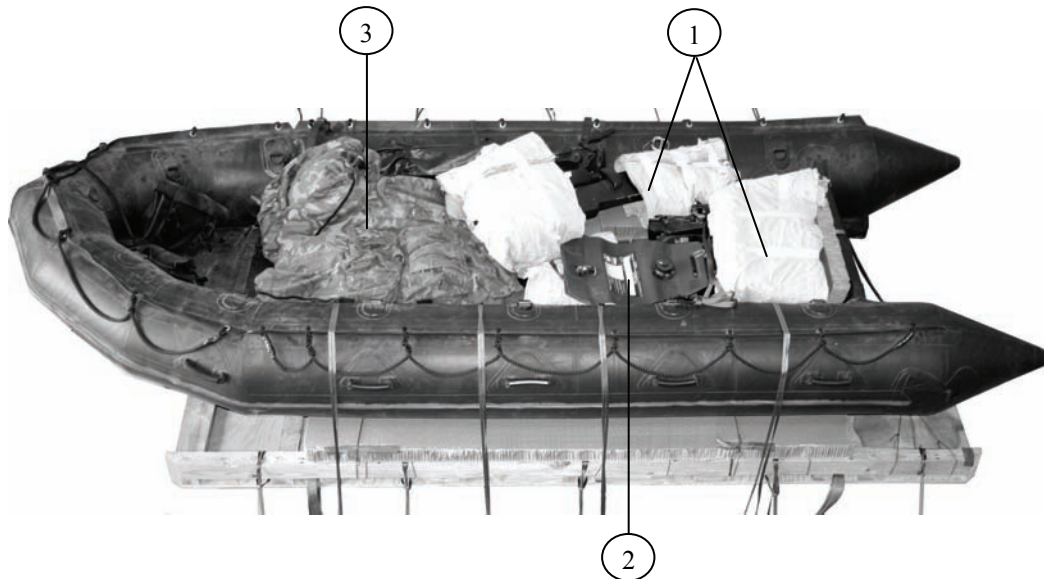
**Figure 2-15. Johnson Enforcer or Bombardier Outboard Engine and Fuel Tank Prepared**



**Figure 2-16. Tiedown Rings Formed**

**CAUTION**

An accompanying load weighing at least 650 pounds but no more than 1,170 pounds must be dropped with a single Zodiac F470U boat. Safety the engine to a convenient point in the boat with a length of 1/2-inch or 1-inch tubular nylon webbing.



1. Lay the outboard engine, operating handle facing up, in the rear of the boat. Place the top of the engine 3 inches from the transom.

**Note.** If placing a second engine, prepare as in Figure 2-15 and place as shown above.

2. Set the fuel tank beside the lower unit.

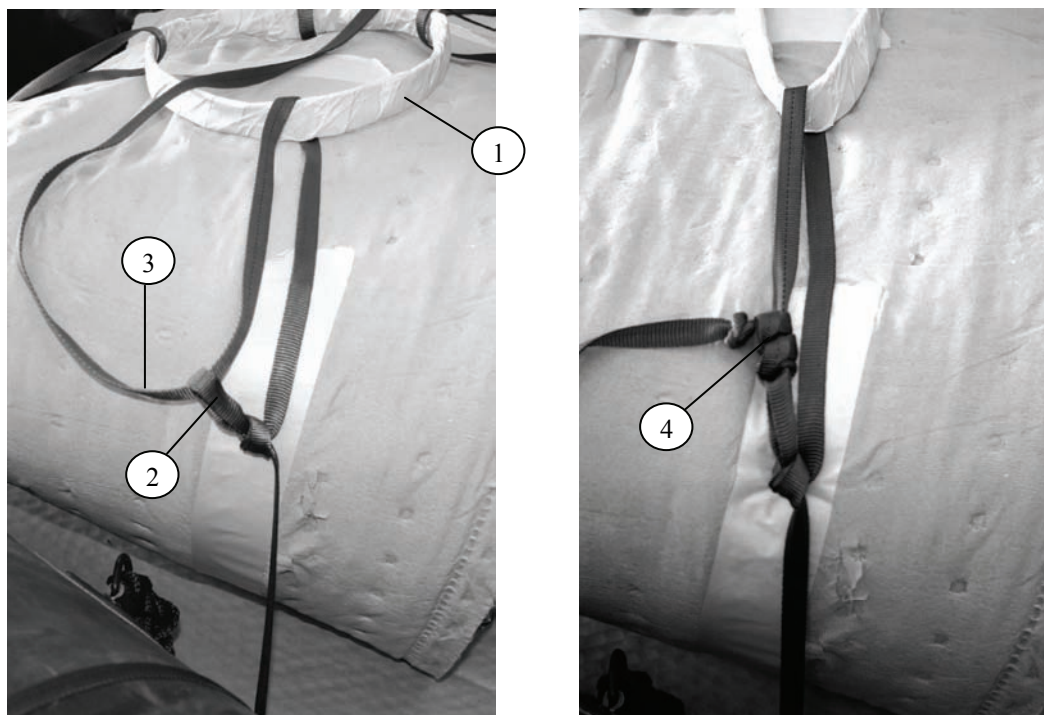
**Note.** Up to four collapsible tanks may be rigged in each boat.

3. Lay the rucksacks in the boat. Tie the frames together using type III nylon cord.
4. Place the weapons between the two rows of rucksacks. Tie them to a convenient D-ring on the boat with two lengths of type III nylon cord (not shown).

**Figure 2-17. Engines, Fuel Tanks and Accompanying Load Placed**

**Note.** Use the following procedures when securing the tiedown ring in boats with a roll-up floor.

### Secured Using Roll-up Floor



1. Place a two-ply tiedown ring over the accompanying load as described.
2. Tie a loop in the standing end of the 1/2-inch tubular nylon webbing. Tie an overhand knot in the running end.
3. Pass the running end of the 1/2-inch tubular nylon through the tiedown ring.
4. Pass the running end of the 1/2-inch tubular nylon through the loop made in Step 2. Pull it tight and tie with three alternating half hitch knots. Tie an overhand knot in the running end.

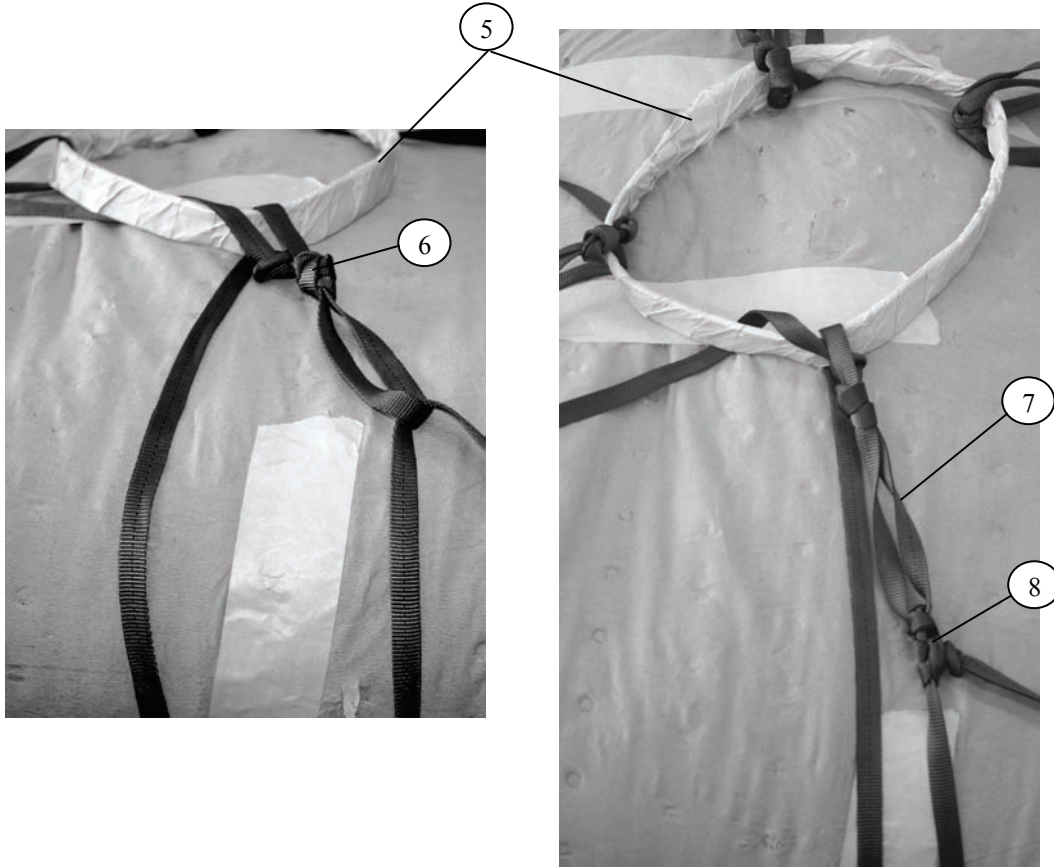
**Note.** The purpose of this method of tying is to allow the lashings to slide easily off the tiedown ring once cut.

**Figure 2-18. Tiedown Rings Secured**



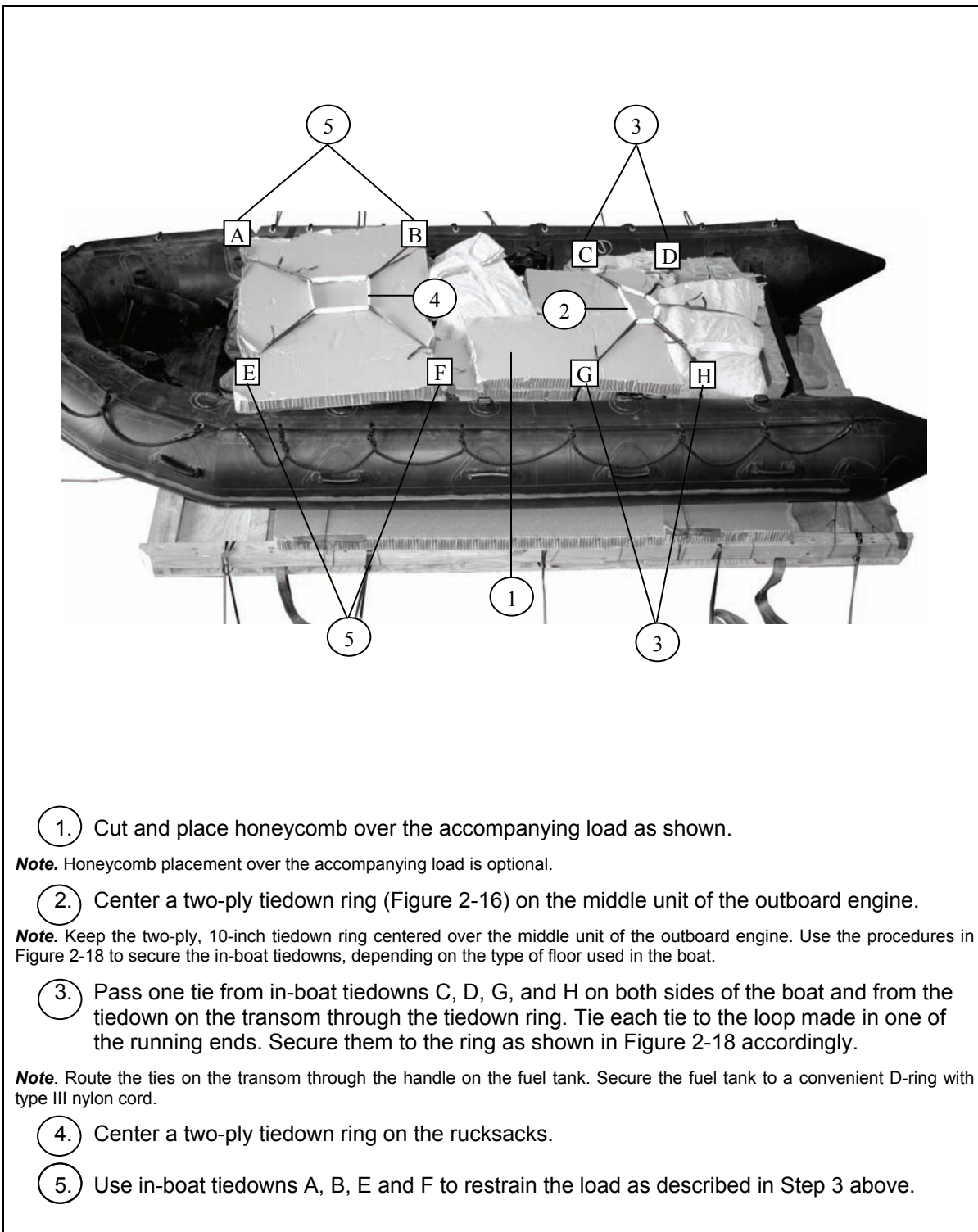
**Note.** Use the following procedures when securing the tiedown ring in boats with a hard deck (aluminum floorboards).

**Secured Using Hard Deck Floor**



5. Place a two-ply tiedown ring over the accompanying load as described.
6. Tie a loop in one end of the 1/2-inch tubular nylon webbing. Tie an overhand knot in the running end.
7. Pass the loop end through the tiedown ring.
8. Pass the opposite end of the 1/2-inch tubular nylon through the loop made in Step 6, pull it tight and tie with three alternating half hitch knots. Tie an overhand knot in the running end.

**Figure 2-18. Tiedown Rings Secured (Continued)**



1. Cut and place honeycomb over the accompanying load as shown.

**Note.** Honeycomb placement over the accompanying load is optional.

2. Center a two-ply tiedown ring (Figure 2-16) on the middle unit of the outboard engine.

**Note.** Keep the two-ply, 10-inch tiedown ring centered over the middle unit of the outboard engine. Use the procedures in Figure 2-18 to secure the in-boat tiedowns, depending on the type of floor used in the boat.

3. Pass one tie from in-boat tiedowns C, D, G, and H on both sides of the boat and from the tiedown on the transom through the tiedown ring. Tie each tie to the loop made in one of the running ends. Secure them to the ring as shown in Figure 2-18 accordingly.

**Note.** Route the ties on the transom through the handle on the fuel tank. Secure the fuel tank to a convenient D-ring with type III nylon cord.

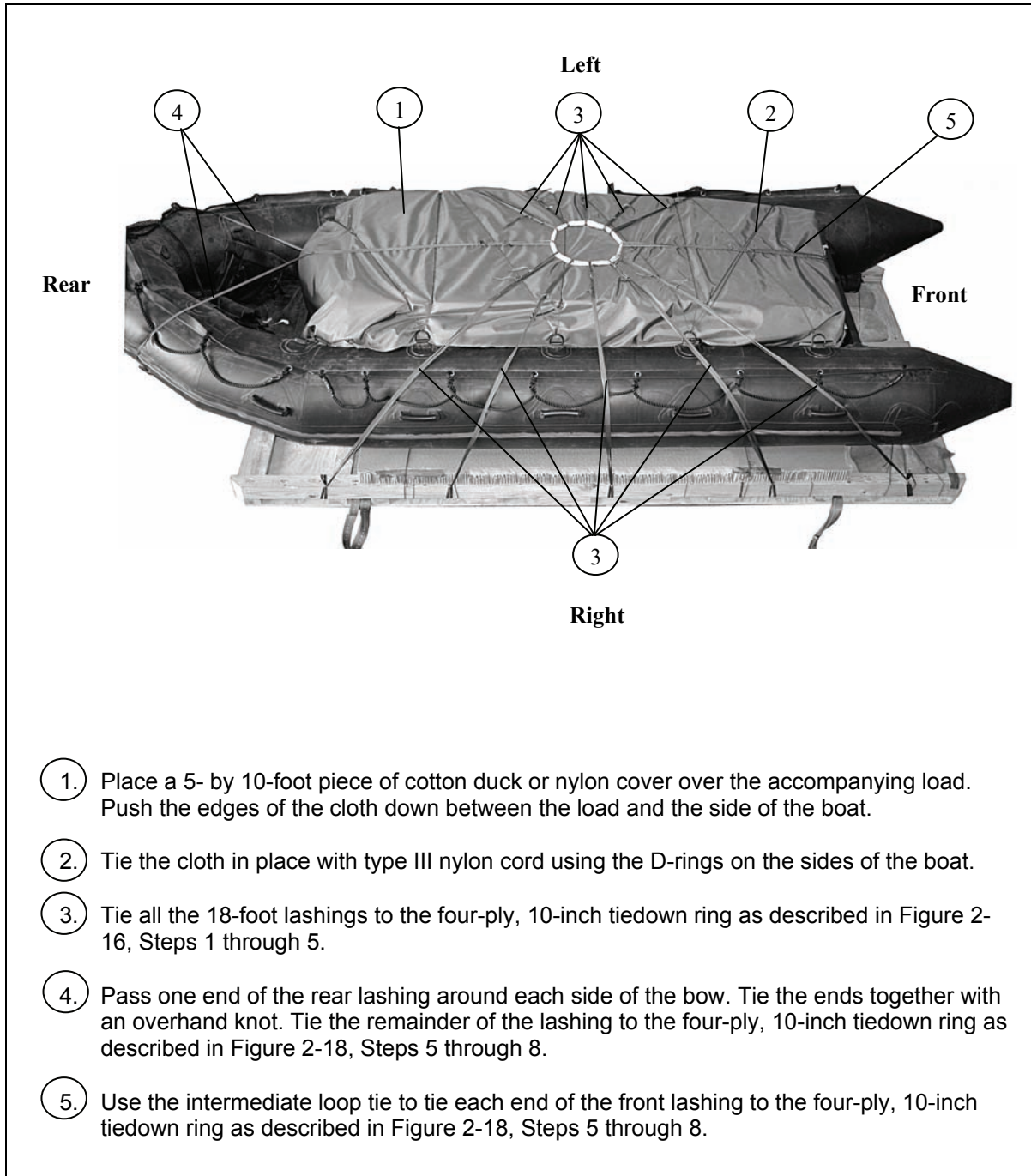
4. Center a two-ply tiedown ring on the rucksacks.

5. Use in-boat tiedowns A, B, E and F to restrain the load as described in Step 3 above.

**Figure 2-19. Engines, Fuel Tanks and Accompanying Load Secured**

## INSTALLING LOAD COVER AND LASHING BOAT

2-10. Place a 5- by 10-foot piece of cotton duck or nylon cover over the accompanying load and lash the boat to the platform as shown in Figure 2-20.



**Figure 2-20. Cover Placed, Secured and Load Lashed to Platform**



### SAFETY TIEING SUSPENSION SLINGS

2-11. Safety the suspension slings as shown in Figure 2-21.

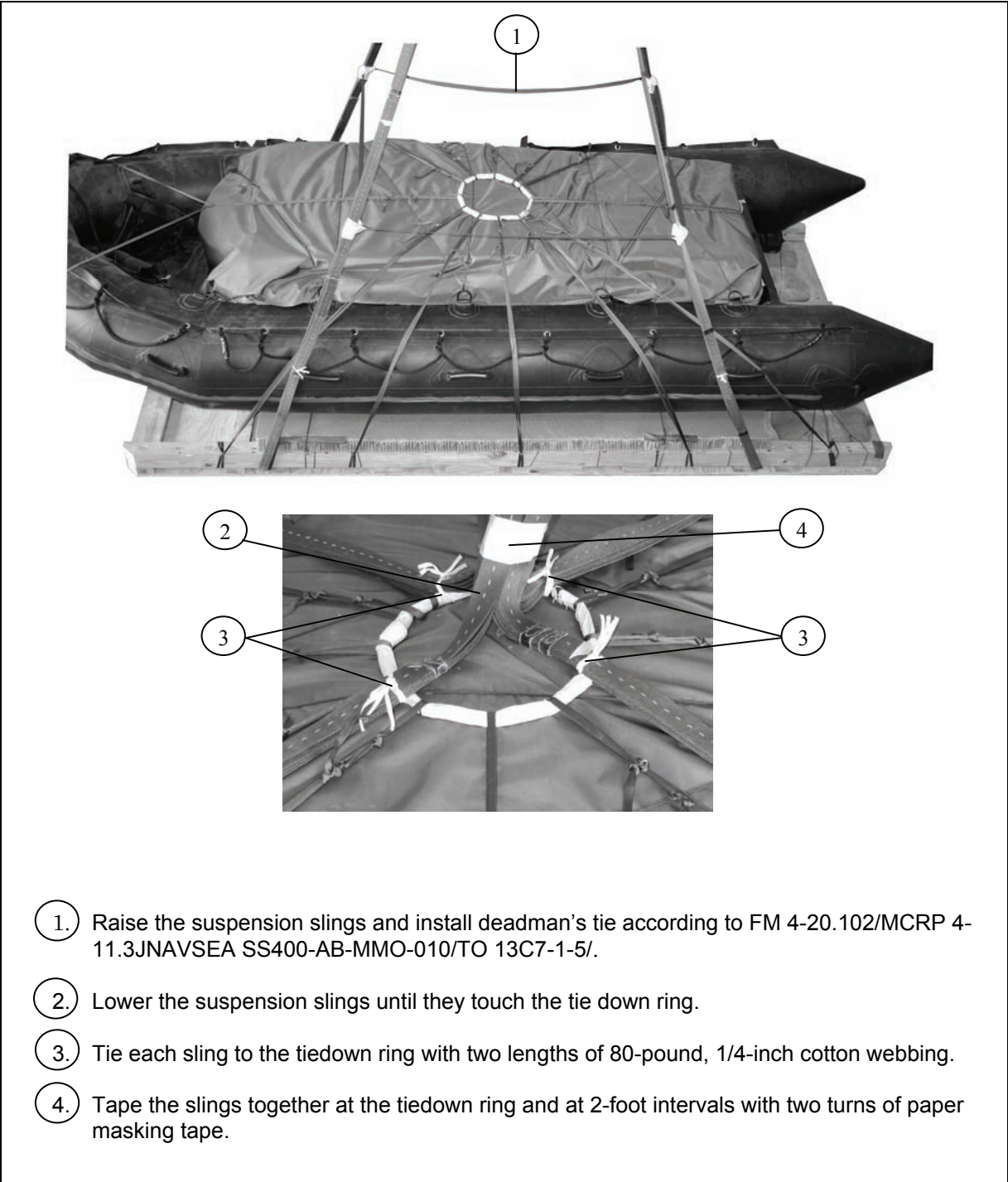


Figure 2-21. Suspension Slings Safety Tied

## STOWING PARACHUTE

2-12. A 15-foot cargo extraction parachute is used to deploy the G-12 cargo parachute after the load is pushed from the aircraft. When used as a deployment parachute for this load, the 15-foot cargo extraction parachute is packed in a T-10 deployment bag.

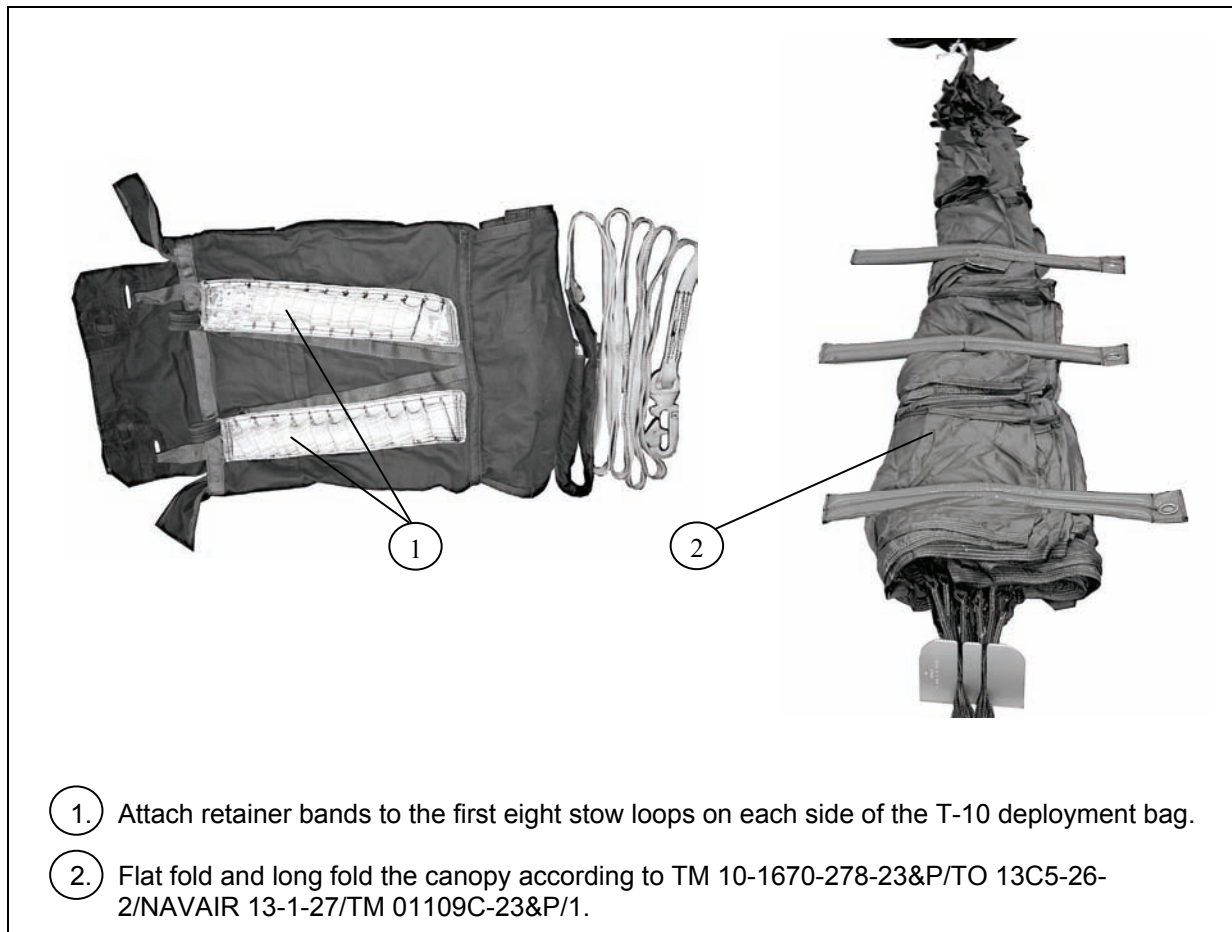
---

*Note.* If the standard 15-foot parachute deployment bag is attached to the parachute, remove the bag at the bag retaining line.

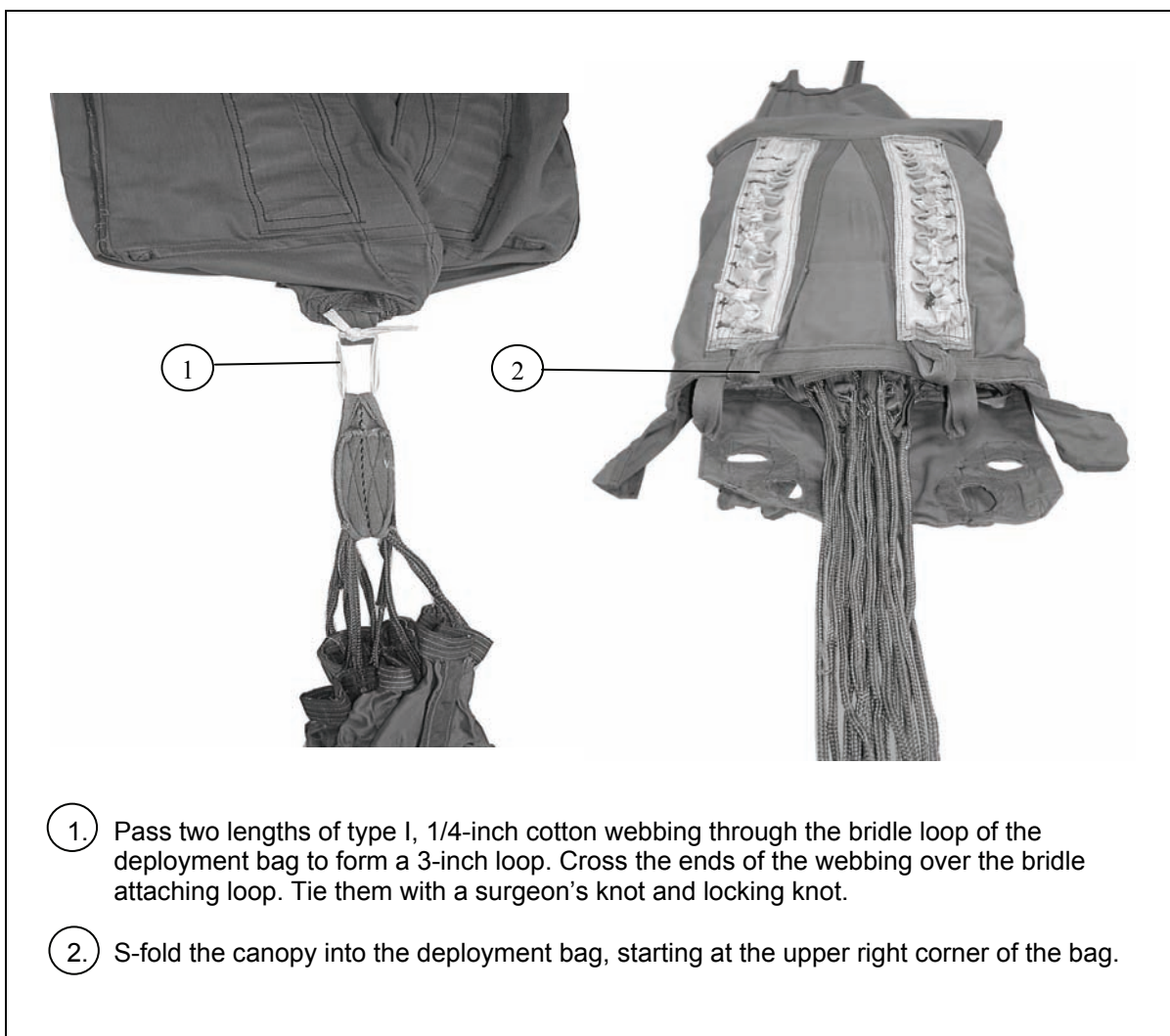
---

- **Packing the 15-foot extraction parachute.** Use the following items to pack the 15-foot cargo extraction parachute in a T-10 deployment bag for use with this load as shown in Figures 2-22 through 2-26:
  - One T-10 deployment bag with universal static line
  - Retainer bands as required
  - Type I, 1/4-inch cotton webbing
  - Ticket number 5, 8/4 cotton thread
  - One large cargo suspension clevis

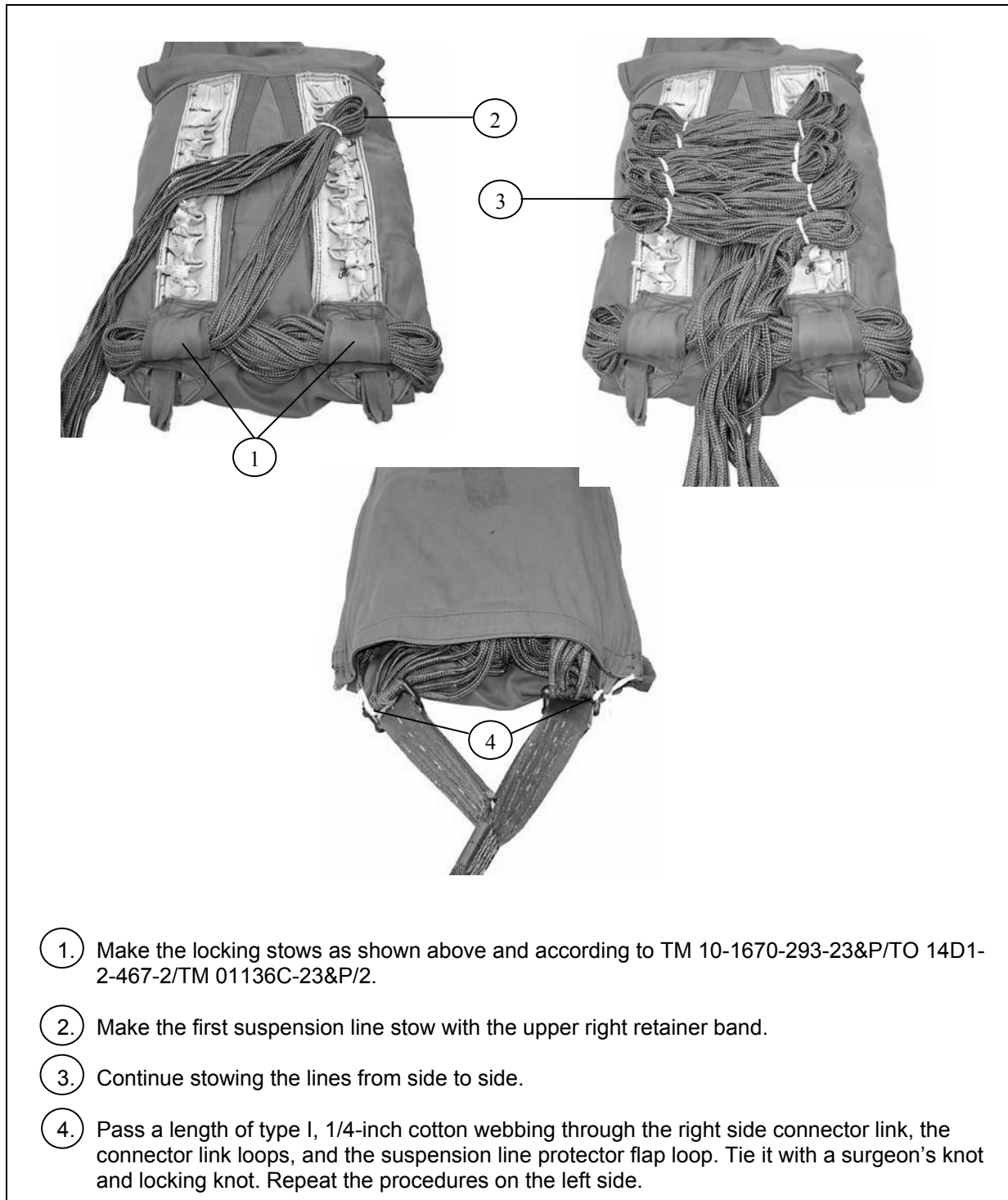
In addition, for a parachute with a 36-inch adapter web, use one 9-foot (3-loop), type XXVI nylon sling and one two-point connector link.



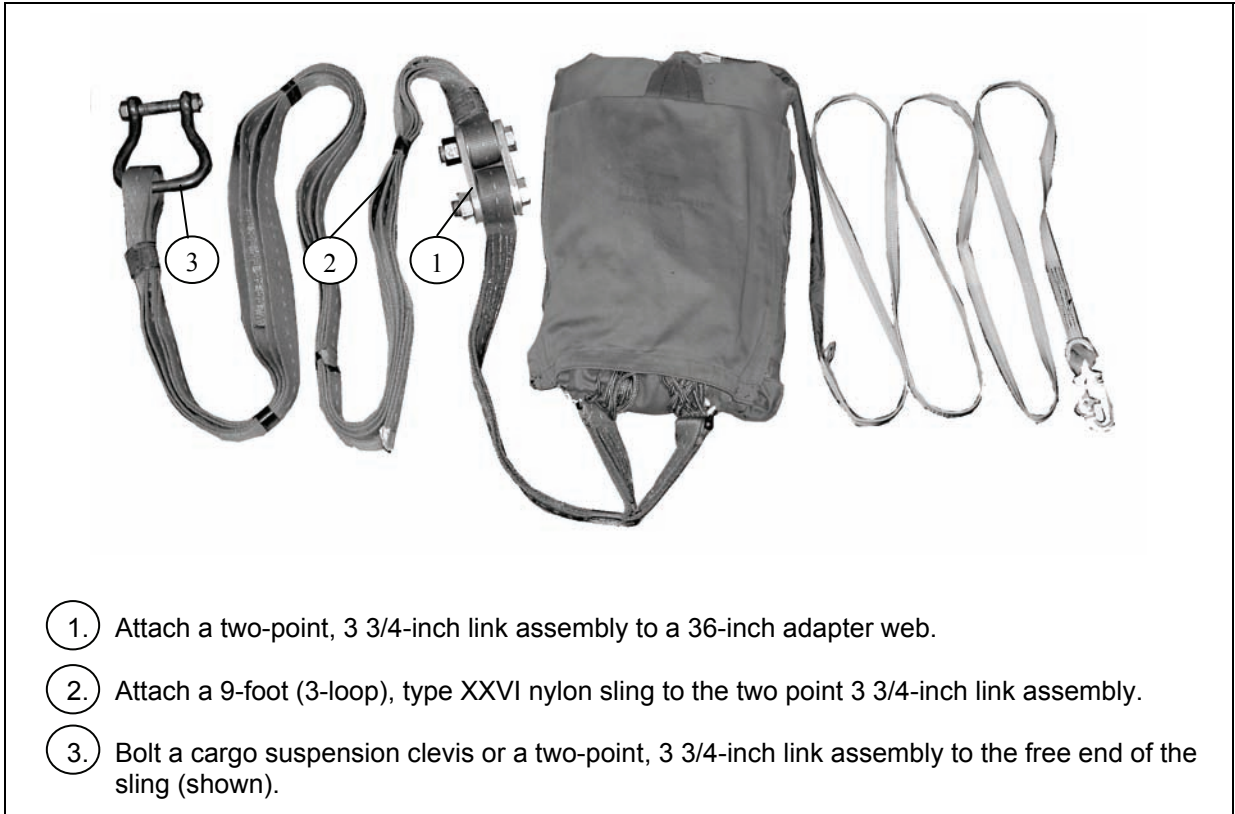
**Figure 2-22. 15-Foot Extraction Parachute Stowed**



**Figure 2-23. Deployment Bag Attached and Canopy Stowed**

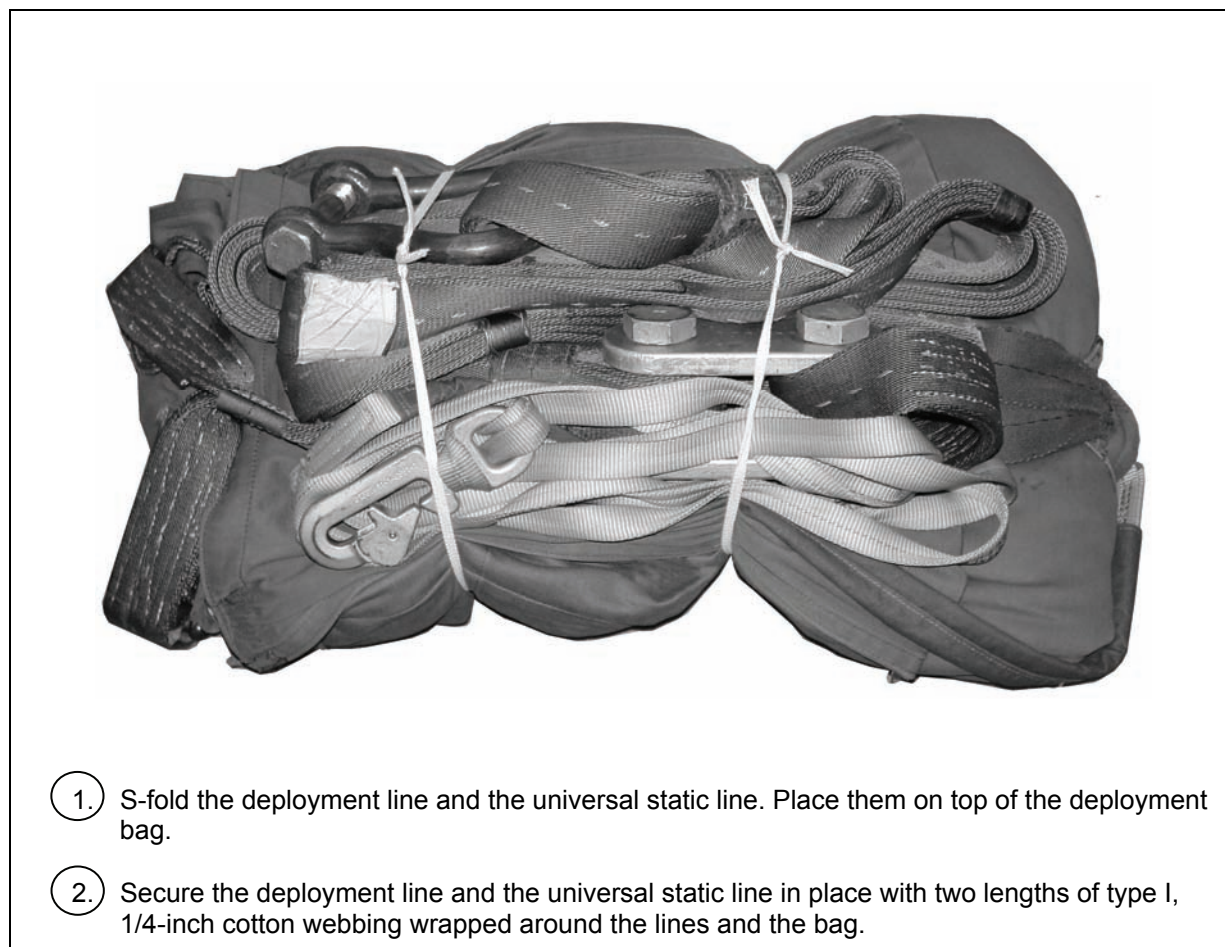


**Figure 2-24. Locking Stows and Suspension Line Stows Made and Connector Links Tied**



**Figure 2-25. Deployment Line Installed on 36-inch Adapter Web**

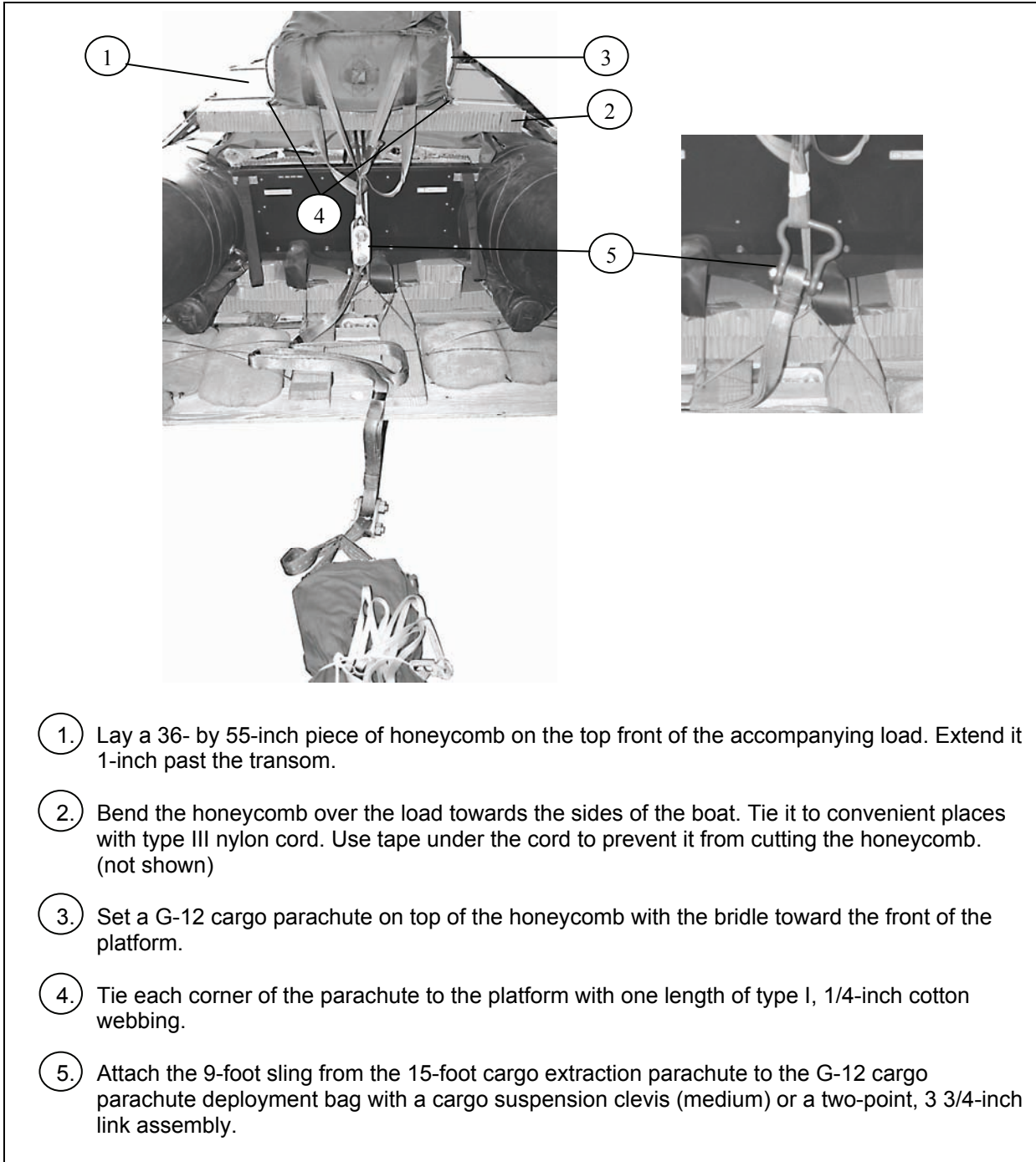




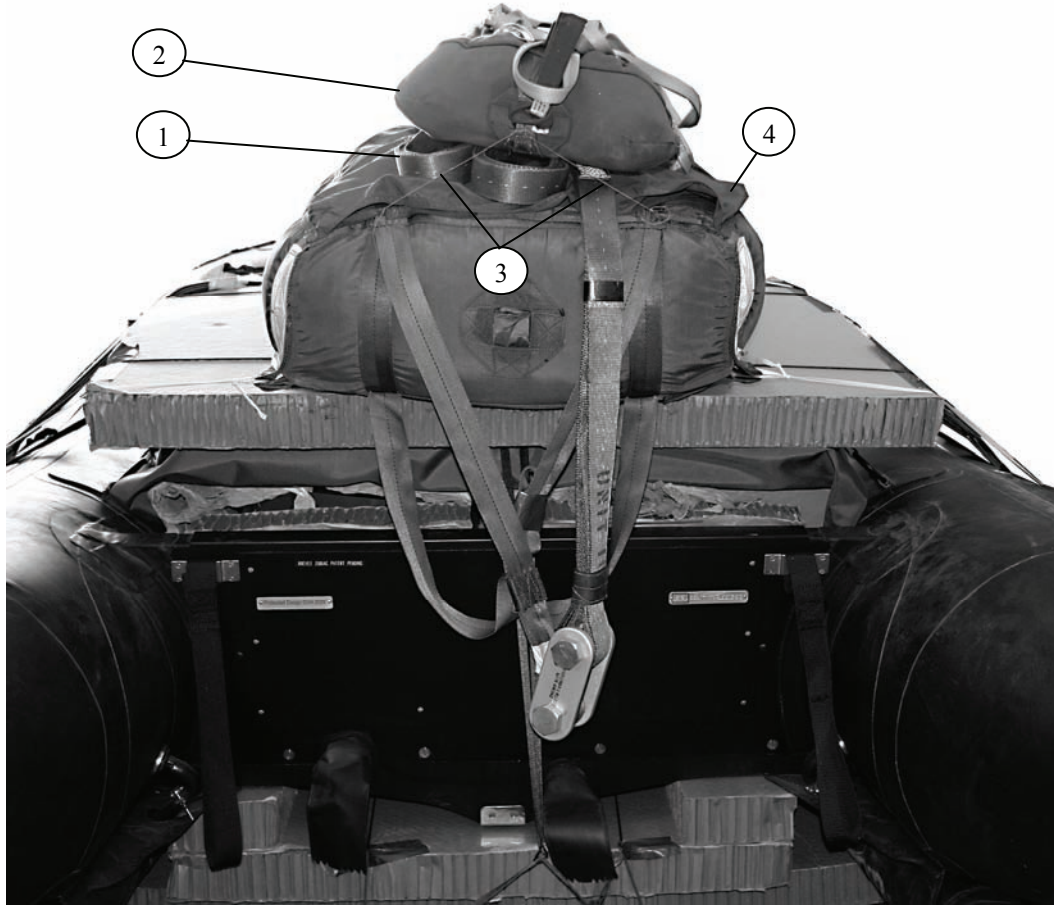
**Figure 2-26. Cargo Extraction Parachute Packed in a T-10 Deployment Bag**

## STOWING THE G-12 CARGO PARACHUTE AND 15-FOOT CARGO EXTRACTION PARACHUTE

2-13. Prepare and stow one G-12 cargo parachute as shown in Figure 2-27. Stow the 15-foot cargo extraction parachute as shown in Figure 2-28.



**Figure 2-27. G-12 Cargo Parachute Positioned on Load and 15-foot Cargo Extraction Parachute Attached**



1. Lay the 9-foot sling of the cargo extraction parachute on top of the G-12 cargo parachute.
2. Place the 15-foot cargo extraction parachute on top of the 9-foot sling.
3. Tie the extraction parachute to the G-12 cargo parachute with four lengths of ticket number 5, 8/4 cotton thread.
4. Attach rubber retainer bands to the riser retaining loops on the G-12 cargo parachute. Fold the static line, and hold the folds in place with the retainer bands.

**Figure 2-28. Cargo Extraction Parachute Placed on Load**

## INSTALLING PARACHUTE RELEASE

2-14. Use the M-1 or the automatic cargo parachute release on this load as shown in Figure 2-29 and according to FM 4-20.102/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010/TO 13C7-1-5.

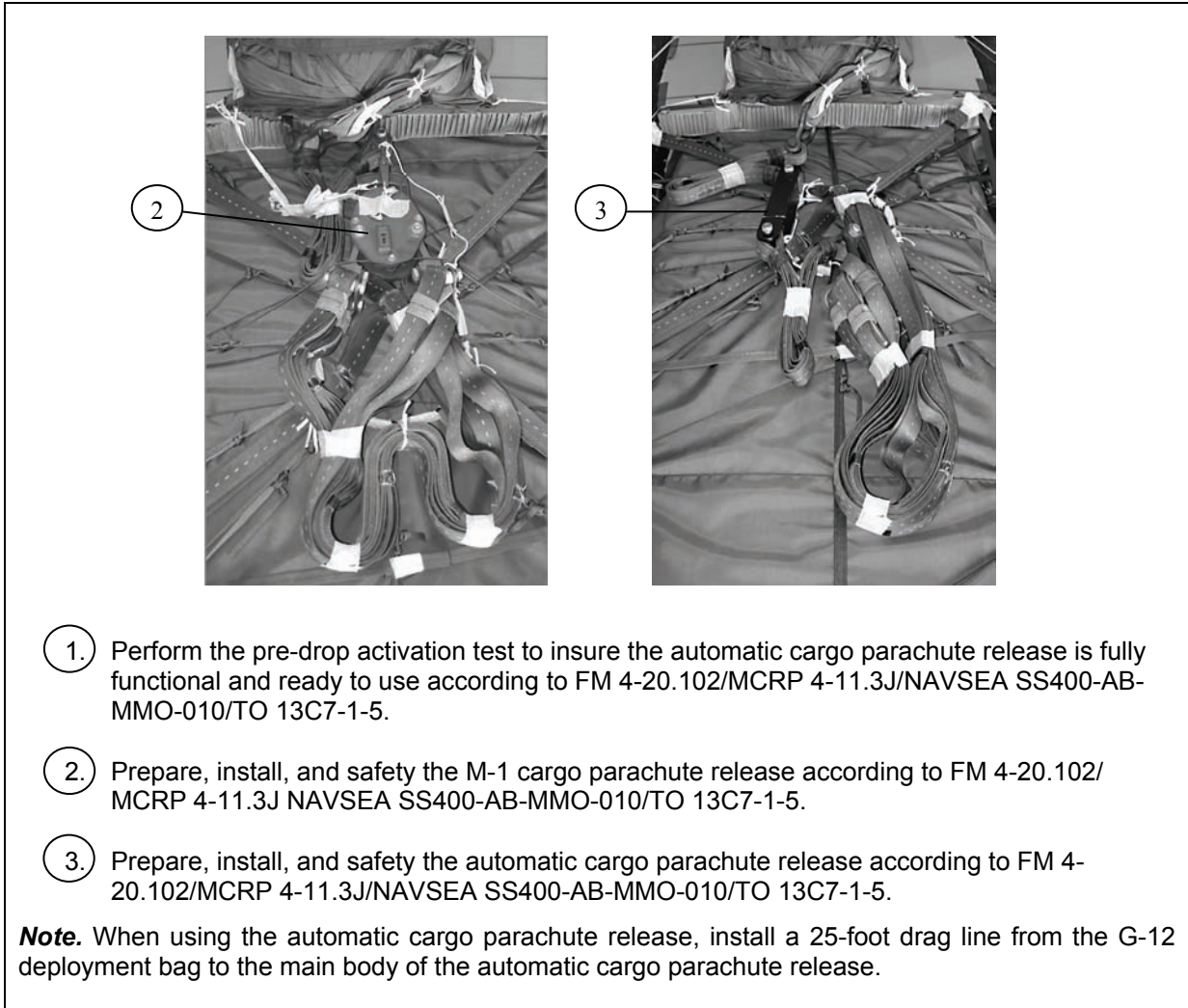
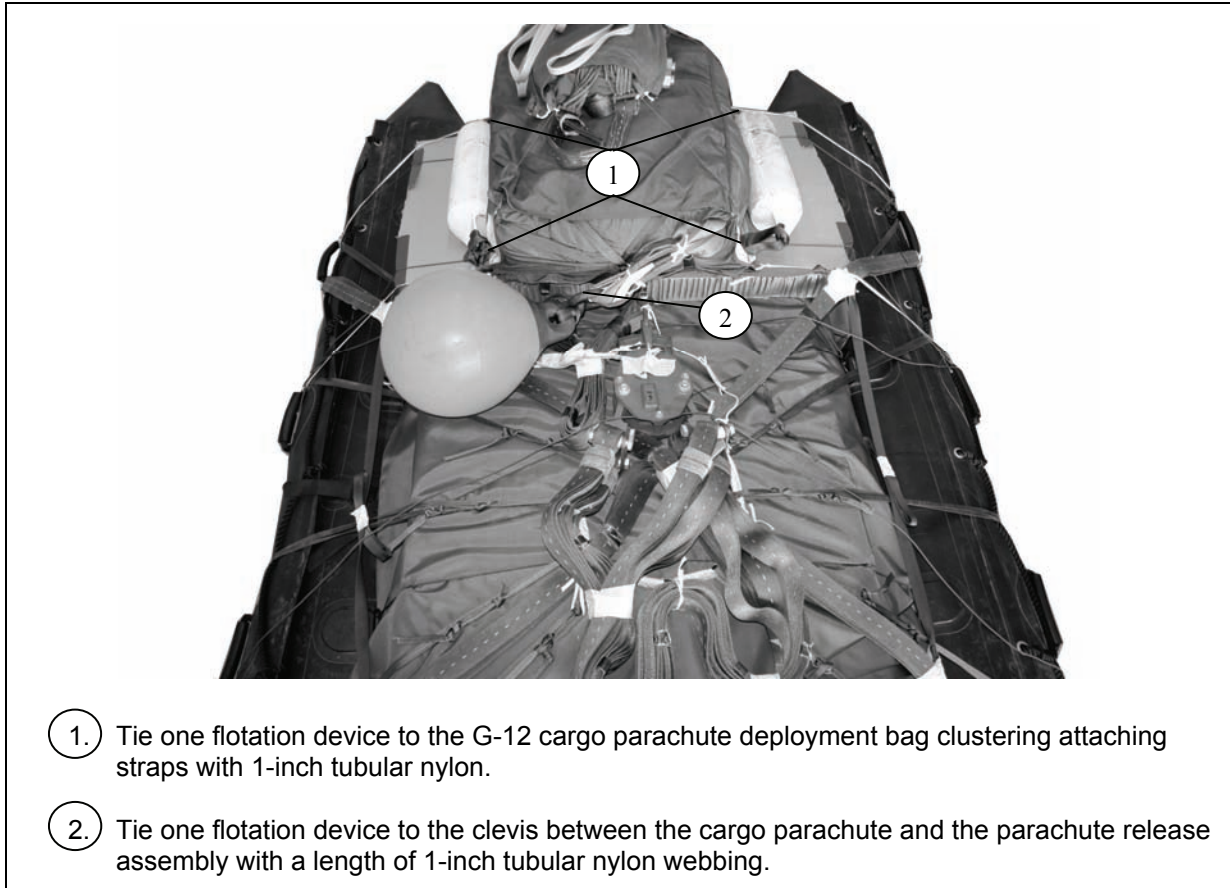


Figure 2-29. Cargo Parachute Release Installed



## INSTALLING FLOTATION DEVICE

2-15. Use flotation devices on training loads to help recover the parachute and parachute deployment bag. Install the flotation devices as shown in Figure 2-30. Recommended flotation devices include dock bumpers, life preservers, diving buoys, and two 12- by 12-inch pieces of honeycomb taped with waterproof tape.




**Figure 2-30. Flotation Devices Tied to Load**



**MARKING RIGGED LOAD**

2-16. Mark the rigged load according to FM 4-20.102/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010/TO 13C7-1-5 and as shown in Figure 2-31. If the accompanying load varies from the one shown, the weight, height, and CB must be recomputed.



Weight: Load shown .....	2,470 pounds
Height .....	60 inches
Width .....	75 inches
Length .....	189 inches
Overhang: Front.....	16 inches
Rear .....	29 inches
CB (from front edge of platform) .....	60 inches

**Figure 2-31. F470 Combat Rubber Raiding Craft Fully Rigged**

## EQUIPMENT REQUIRED

2-17. The equipment needed to prepare and rig this load is listed in Table 2-1. Additional items may be listed with the load description.

**Table 2-1. Equipment Required for Rigging the Combat Rubber Raiding Craft for Low-Velocity Airdrop**

<i>National Stock Number</i>	<i>Item</i>	<i>Quantity</i>
8105-00-285-4744	Bag, sand	16
1670-00-568-0323	Band, rubber, parachute	As required
No NSN	Bolt, carriage, 3/8-in dia, 7-in long, with washer and nut (add eight for training)	8
No NSN	Bolt, carriage, 3/8-in dia, 5-in long with washer and nut	4
1670-01-064-4928	Centerline (G-12E, 57 feet)	
4030-00-090-5354	Clevis assembly, large, 1-in., shackle	2
		1
4030-00-678-8560	Clevis, shackle, 3/8 inch diameter	1
8305-00-242-3593	Cloth, cotton duck, 60 inches	4 yd
4020-00-240-2146	Cord, nylon, type III, 550 lb	As required
1670-00-360-0328	Cover, clevis, large	1
8135-00-664-6958	Cushioning material, cellulose wadding	As required
1670-01-476-3131	Deployment bag, w/o static line	1
5306-00-435-8994	Deployment bag, parachute (G-12)	2
1670-00-039-5073	Link assembly, two-point, 3 3/4"	2
1670-00-487-6077	Link assembly connector, type IV	
	Lumber: (Platform)	4
5510-00-220-6146	2- by 4- by 10-in	4
	2- by 4- by 75-in	2
	2- by 6- by 30-in	4
	2- by 6- by 75in	2
5510-00-220-6148	2- by 6- by 144-in	2
5510-00-220-6274	4- by 4- by 144-in	
	Nail, steel, wire, common:	As required
5315-00-010-4657	6d	As required
5315-00-010-4659	8d	As required
5315-00-164-5121	20d	
1670-00-753-3928	Pad, energy-dissipating, honeycomb,	4 sheets
	3- by 36- by 96-in	(1)
	6- by 6-in	(1)
	6- by 12-in	(1)
	7- by 17-in	(2)
	7- by 28-in	(2)
	7- by 36-in	(1)
	36- by 55-in	(3)
	36- by 96-in	

**Table 2-1. Equipment Required for Rigging the Combat Rubber Raiding Craft for Low-Velocity Airdrop (Continued)**

<i>National Stock Number</i>	<i>Item</i>	<i>Quantity</i>
1670-00-788-8666	Parachute, G-12	1
1670-01-063-3715	Parachute Cargo 15-ft Extraction	1
5530-00-128-4981	Plywood, 3/4- by 48- by 75-in	3
	Release, cargo, airdrop:	
1670-01-097-8816	M-1, cargo parachute release	1
1670-01-337-4366	Automatic cargo parachute release	1
	Sling, cargo, airdrop:	
1670-01-062-6301	3-foot (2 loop), type XXVI	2
1670-01-062-6304	9-foot (2 loop), type XXVI	1
1670-01-062-6302	16-foot (2 loop), type XXVI	4
1670-01-063-7761	20-foot (2-loop), type XXVI	1
7510-00-266-5016	Tape, adhesive, pressure sensitive, 2-in, OD	As required
8125-00-074-5124	Tape, adhesive, cloth backed, type IV, 2-in	As required
8310-00-917-3945	Thread, cotton, 8/7 (ticket 5)	As required
8305-00-268-2411	Webbing, textile (cotton, type I, Nat, 1/4-in, 80lb.)	As required
8305-00-262-2455 (GRN)	Webbing, textile nylon, tubular 1/2-in, OD	As required
8305-00-082-5752 (WHT)		
8305-00-268-2455	Webbing, textile nylon, tubular, 1-in	As required

## SECTION II-RIGGING DOUBLE ZODIAC F470U BOAT

### DESCRIPTION OF LOAD

2-18. The description of the load rigged in this section is given below.

- **Inflated Zodiac F470 rubber raiding craft.** This boat is rigged in tandem on a 75- by 144-inch combat expendable platform (CEP) with a G-12E cargo parachute. Tandem loads require two parachutes. The boats weigh 250 pounds each. When inflated, each boat is 75 inches wide, 185 inches long, and 22 inches high. One or two 35-horsepower outboard engines that weigh 136 pounds each power the boat shown or one 55-horsepower engine that weighs 215 pounds with a full fuel tank. Six paddles weighing a total of 24 pounds and two sets of air pumps with hoses are part of each boat's equipment.

---

*Note.* A 40-horsepower engine is the largest that may be used on this boat when the boat is equipped with the accordion floor. An engine as large as 65-horsepower may be used on this boat with a solid floor.

---

- **Accompanying load.** An accompanying load weighing at least 650 pounds but no more than 1,170 pounds must be dropped with the boat.

### PREPARING THE PLATFORM

2-19. Build a new CEP, or inspect and repair a used platform, using the procedures shown in Figures 2-1 through 2-4 and as described in paragraph 2-2.

### INSTALLING SUSPENSION SLINGS AND STOWING SANDBAGS

2-20. Install four suspension slings on the platform according to paragraph 2-3 and Figure 2-5. Stow sandbags on the platform according to paragraph 2-4 and Figure 2-6.

### PLACING AND SECURING HONEYCOMB STACKS

2-21. Build, place, and secure the honeycomb stacks as shown in Figures 2-8 and 2-9

### PREPARING BOATS

2-22. Inflate the boats except the keel. If the keel is inflated, let the air out. Install the hose clips as shown in Figure 2-10. Prepare the boats as shown in Figures 2-10 through 2-12.

### POSITIONING FIRST BOAT

2-23. Position the first boat as shown in Figure 2-14.

### PREPARING AND STOWING ACCOMPANYING LOAD

2-24. Prepare and stow the outboard engines, fuel tanks, paddles, all boat accessories, and accompanying load as described in paragraph 2-9 and Figures 2-15 through 2-17.

## LEVELING, COVERING, AND LASHING FIRST BOAT AND ACCOMPANYING LOAD

2-25. Level the load on the first boat, position the load cover, and lash the boat to the platform as described below, and shown in Figure 2-31.

- Use honeycomb pieces to level the load to the top of the engine. If collapsible fuel tanks are used, fit honeycomb around them by standing the honeycomb on edge for support.
- Place a 30- by 90-inch piece of honeycomb on top of the leveled load.
- Cover the load as shown in Figure 2-20.
- Lash the boat to the platform as shown in Figures 2-18, 2-20, and 2-31.

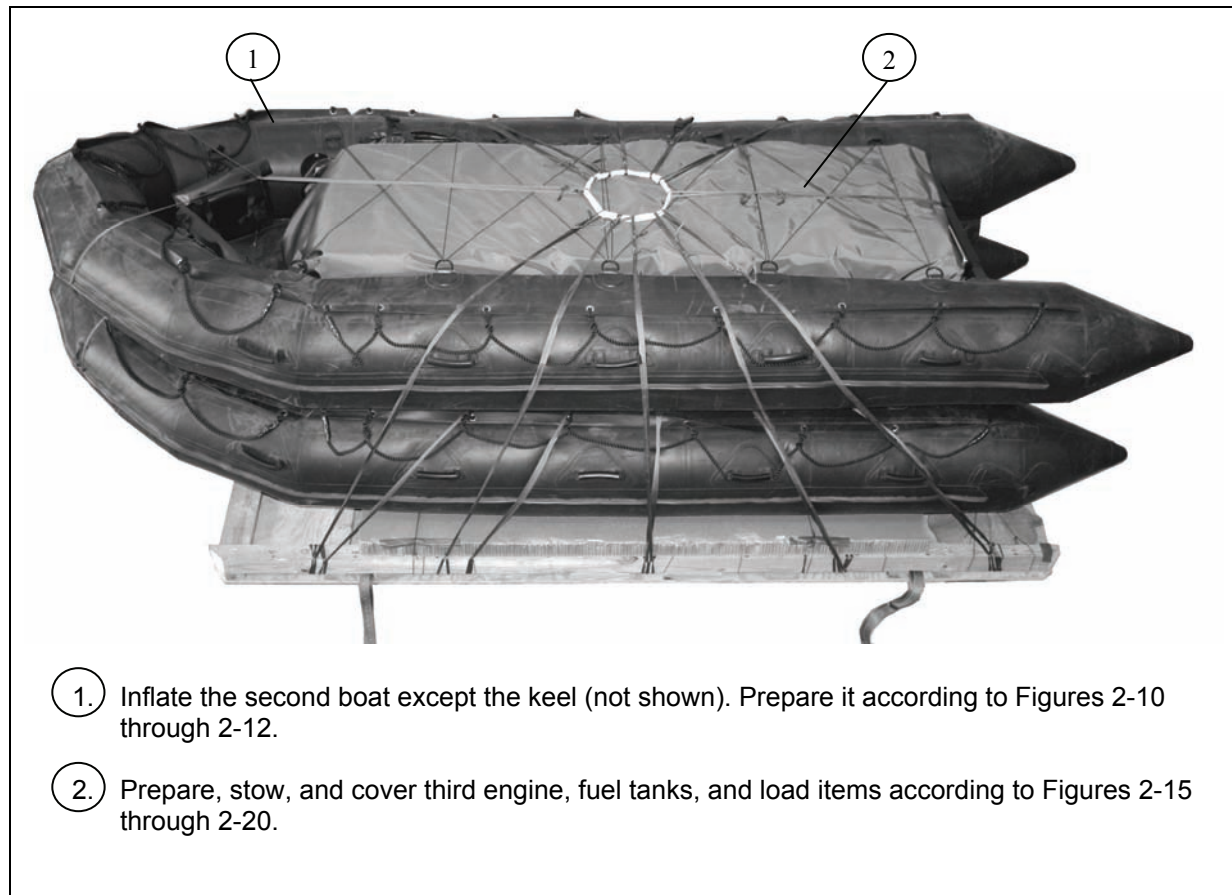


Figure 2-31. Load Covered, Tied in Place and Boat Lashed to Platform



## PLACING AND LOADING SECOND BOAT

2-26. Prepare, place, load, and cover the second Zodiac F470U boat as shown in Figure 2-32.



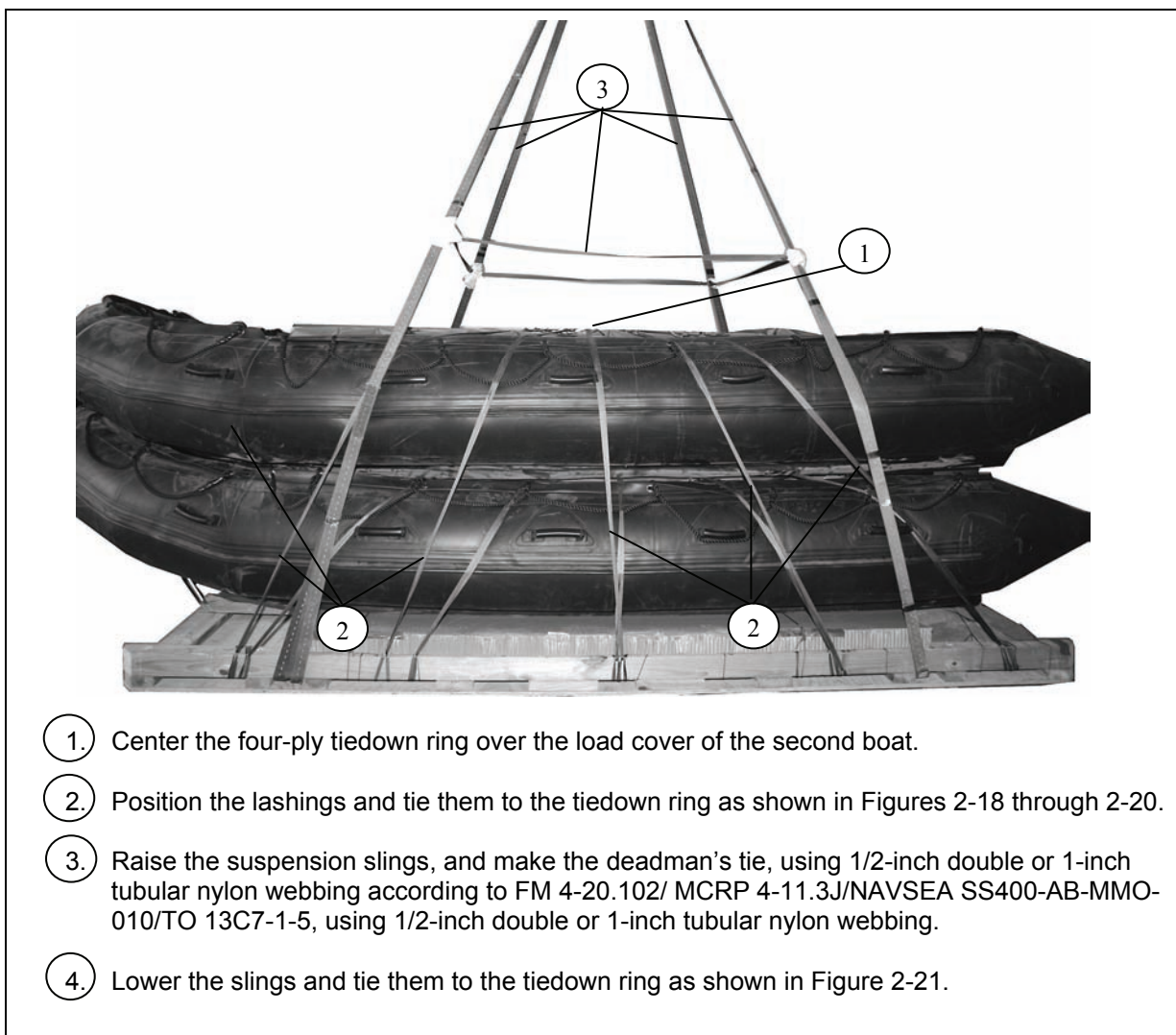
**Figure 2-32. Second Boat Prepared, Placed and Covered**

## LASHING SECOND BOAT TO PLATFORM

2-27. Lash the second boat to the platform as shown in Figures 2-32 and 2-33.

## SAFETY TIEING SUSPENSION SLINGS

2-28. Make a deadman's tie, and safety the suspension slings according to FM 4-20.102/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010/TO 13C7-1-5 and as shown in Figures 2-21 and 2-33.

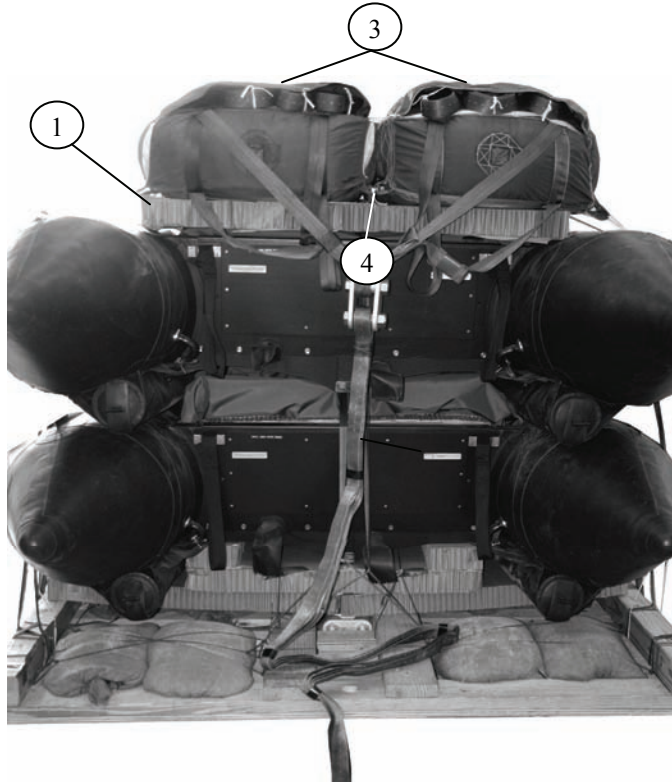


**Figure 2-33. Boat Lashed and Suspension Slings Safety Tied**

## STOWING PARACHUTES

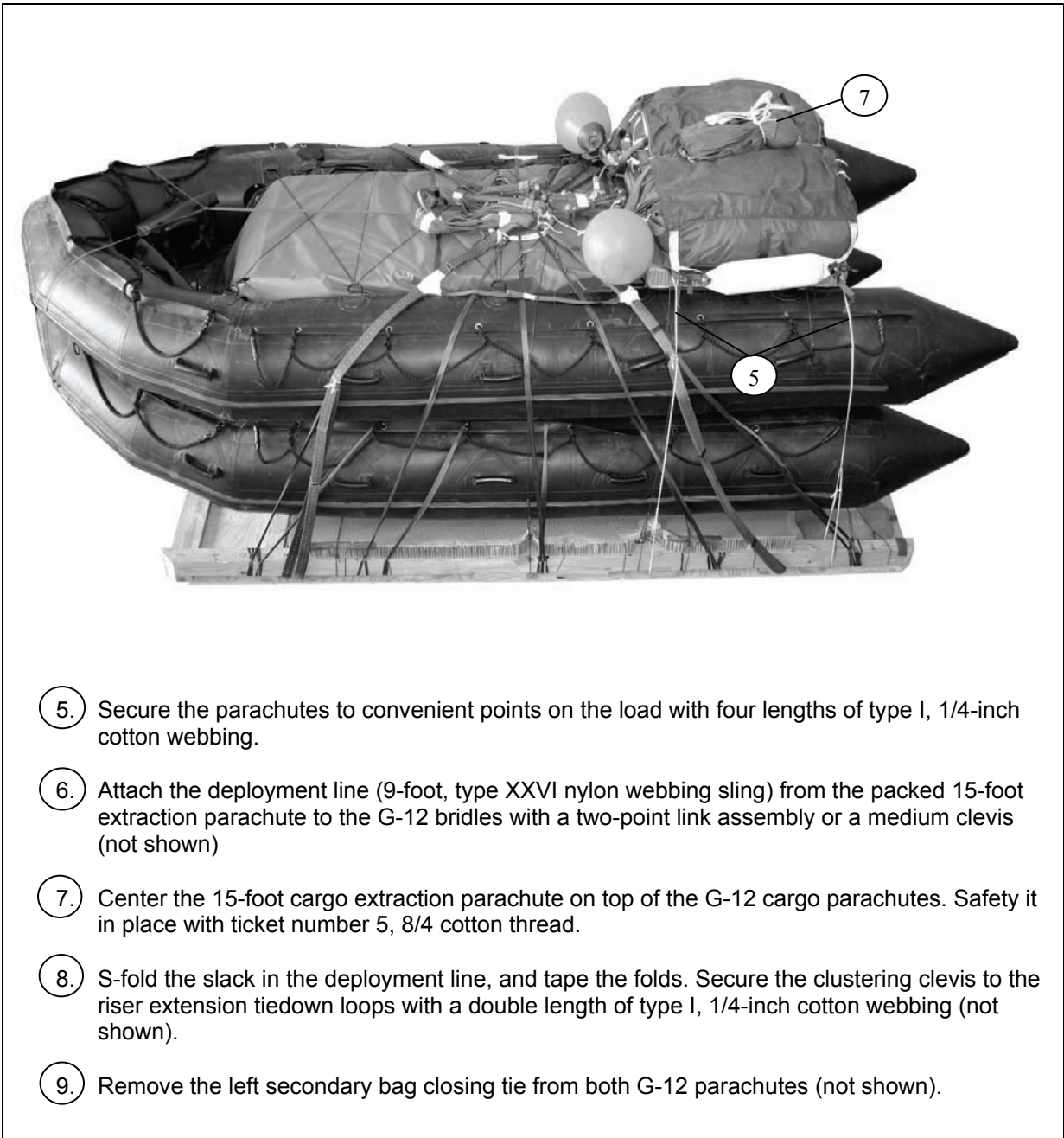
2-29. Stow parachutes as described below.

- Lay a 36- by 55-inch piece of honeycomb across the load cover of the second boat as shown in Figure 2-34.
- Prepare and pack the 15-foot cargo extraction parachute as described in paragraph 2-12.
- Prepare two G-12 cargo parachutes. Stow them on front of the load according to FM 4-20.102/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010/TO 13C7-1-5.



1. Lay a 36- by 55-inch piece of honeycomb across the load cover of the second boat extending 1-inch past the transom.
2. Bend the honeycomb over the load. Tape the edges of the honeycomb (not shown).
3. Set two G-12 cargo parachutes on the honeycomb with the riser extension compartment up and the bridle toward the front of the platform.
4. Cluster the parachutes together with single lengths of type I, 1/4-inch cotton webbing.

**Figure 2-34. Parachutes Stowed**



5. Secure the parachutes to convenient points on the load with four lengths of type I, 1/4-inch cotton webbing.
6. Attach the deployment line (9-foot, type XXVI nylon webbing sling) from the packed 15-foot extraction parachute to the G-12 bridles with a two-point link assembly or a medium clevis (not shown).
7. Center the 15-foot cargo extraction parachute on top of the G-12 cargo parachutes. Safety it in place with ticket number 5, 8/4 cotton thread.
8. S-fold the slack in the deployment line, and tape the folds. Secure the clustering clevis to the riser extension tiedown loops with a double length of type I, 1/4-inch cotton webbing (not shown).
9. Remove the left secondary bag closing tie from both G-12 parachutes (not shown).

**Figure 2-34. Parachutes Stowed (continued)**



## INSTALLING PARACHUTE RELEASE

2-30. Use either one M-1 release or two automatic cargo parachute releases according to FM 4-20.102/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010/TO 13C7-1-5.

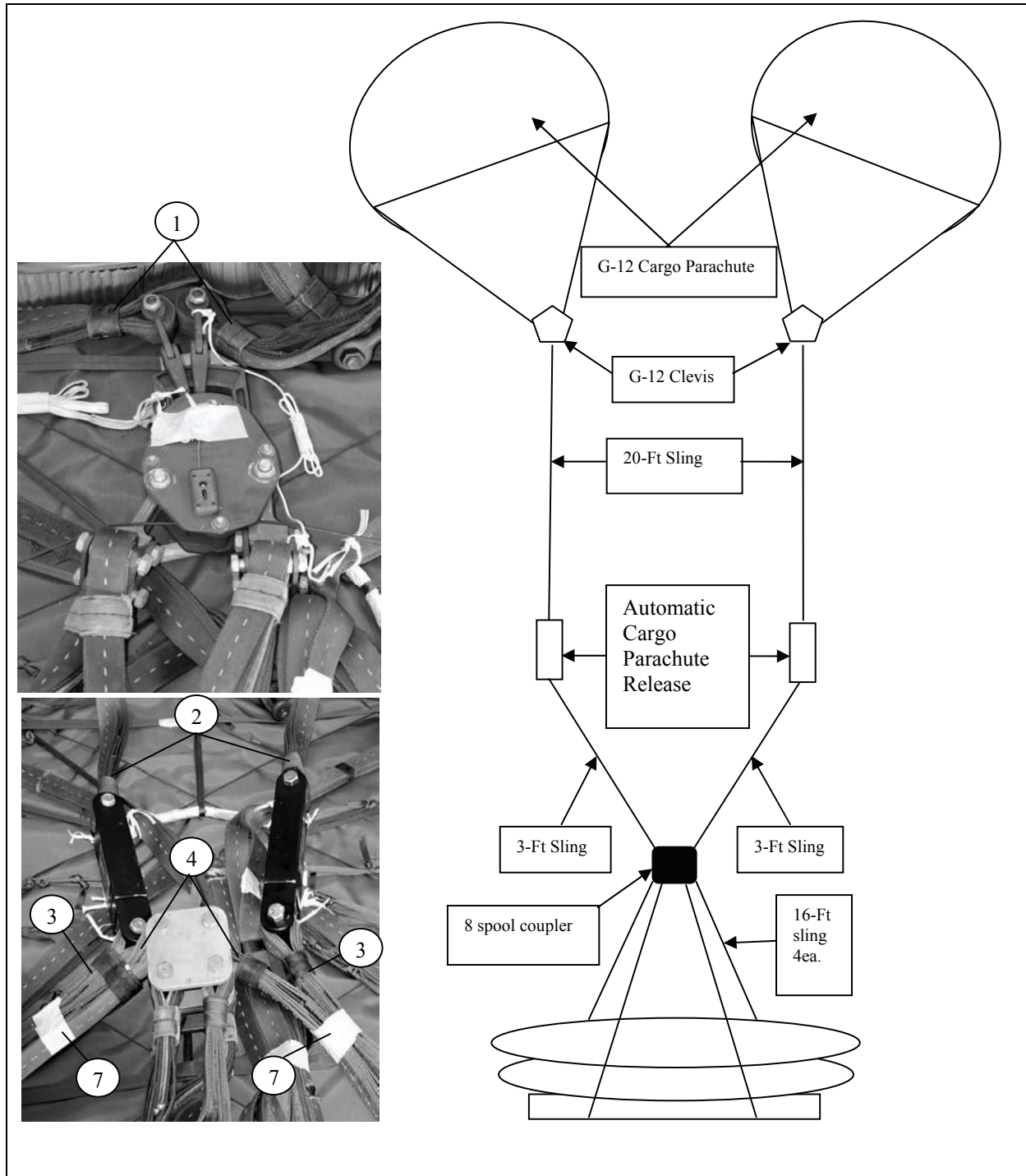


Figure 2-35. M-1 and Automatic Cargo Parachute Release Installed

FM 4-20.142/MCRP 4-11.3P/NAVSEA SS400-AD-MMO-010/ TO 13C7-51-21



1. Attach the riser extensions on the G-12 parachutes to the two parachute connectors on the M-1 release. Safety the release to convenient points on the platform with type III nylon cord.
2. Attach 20-foot type XXVI nylon webbing, riser extensions to the main body of the hydraulic cargo release.
3. Attach a 3-foot sling to the release fitting shackle (lower body).
4. Attach opposite ends of the 20-foot riser extension to the large clevis.
5. Secure both releases to the donut using a single turn type I, 1/4-inch cotton webbing on both ends of each release (not shown).
6. Secure the 8 spool load coupler or large clevis to the donut using one turn type I, 1/4-inch cotton webbing (not shown).
7. Tape excess webbing of 3-foot sling with masking tape.
8. Secure cherry buoy to the main body of the hydraulic cargo release with 1-inch tubular nylon webbing. (not shown)

**Figure 2-35. M-1 and Automatic Cargo Parachute Release Installed (continued)**

## **EQUIPMENT REQUIRED**

2-31. In addition to the items listed in Table 2-1, use one additional G-12 cargo parachute, four 36- by 96-inch pieces of honeycomb, two 5- by 96-inch pieces of honeycomb, two 30- by 90-inch pieces of honeycomb, one 13- by 36-inch piece of honeycomb, and one eight spool coupler and another automatic cargo parachute release and another 20-foot (2-loop), type XXVI sling.

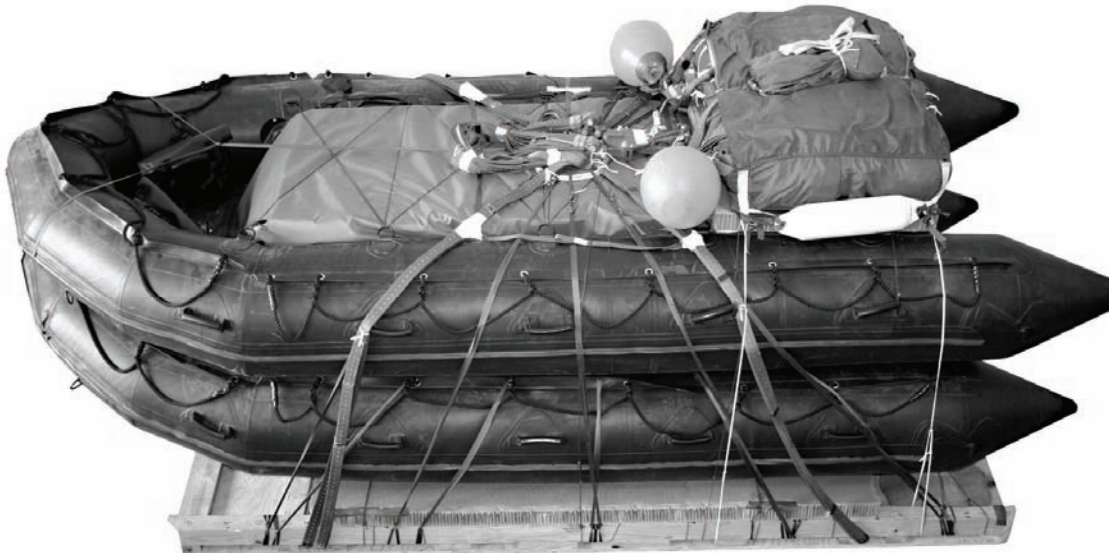
## MARKING RIGGED LOAD

2-32. Mark the rigged load according to FM 4-20.102/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010/TO 13C7-1-5 and as shown in Figure 2-36. If the accompanying load varies from the one shown, the weight, height, and CB must be recomputed.

**CAUTION:**

Make the final rigger inspection required by FM 4-20.102/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010/TO 13C7-1-5 before the load leaves the rigging site.

**Note.** Remove the plastic and tape from the fuel pump and filter and reattach them before using the MARS engine. Inflate the keel before using the boat.



Weight: (maximum suspended weight) .....	3500 pounds
Height .....	86 inches
Width.....	75 inches
Length.....	189 inches
Overhang: Front .....	16 inches
Rear .....	29 inches
CB (from front edge of platform).....	60 inches

**Figure 2-36. Double Zodiac F470U Fully Rigged**

## Chapter 3

# Rigging Zodiac F470U Boat in A-22 Cargo Bag

### DESCRIPTION OF LOAD

3-1. The description of the load rigged in this section is given below.

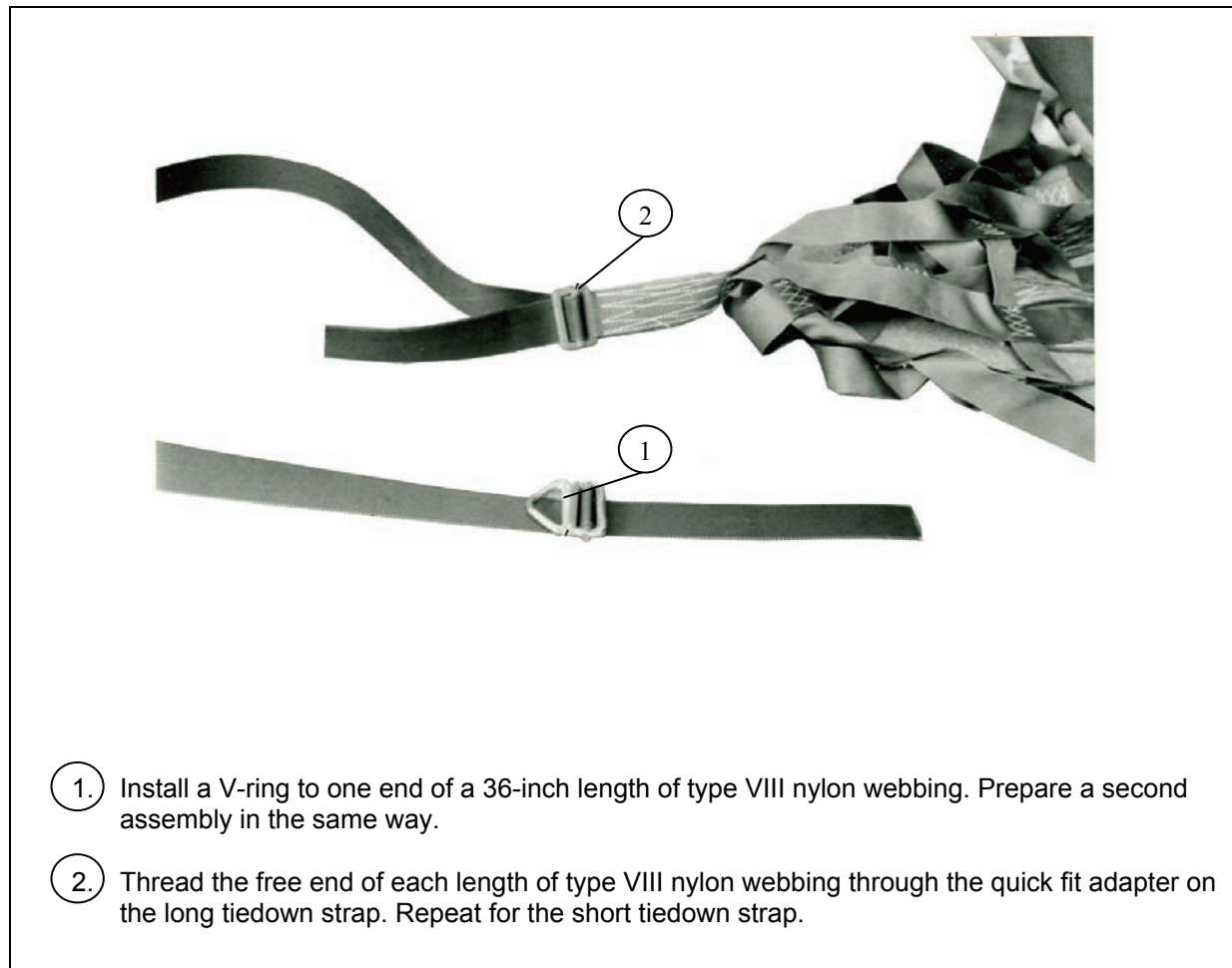
- The Zodiac F470U Combat Rubber Raiding Craft (CRRC) is described in this chapter. This boat is rigged in an adapted A-22 cargo bag on a 48- by 48-inch skid board for low-velocity airdrop over water. The boat is rigged with the 35-horsepower Marine Amphibious Reconnaissance Submersible (MARS) engine installed on the boat transom. This boat is designed for rapid inflation and deployment of the boat. The load shown weighs 600 pounds.
- The accompanying load is limited to equipment that can be stowed on both sides of the engine box and secured within the A-22 cargo bag. No accompanying load is shown.

#### **CAUTION**

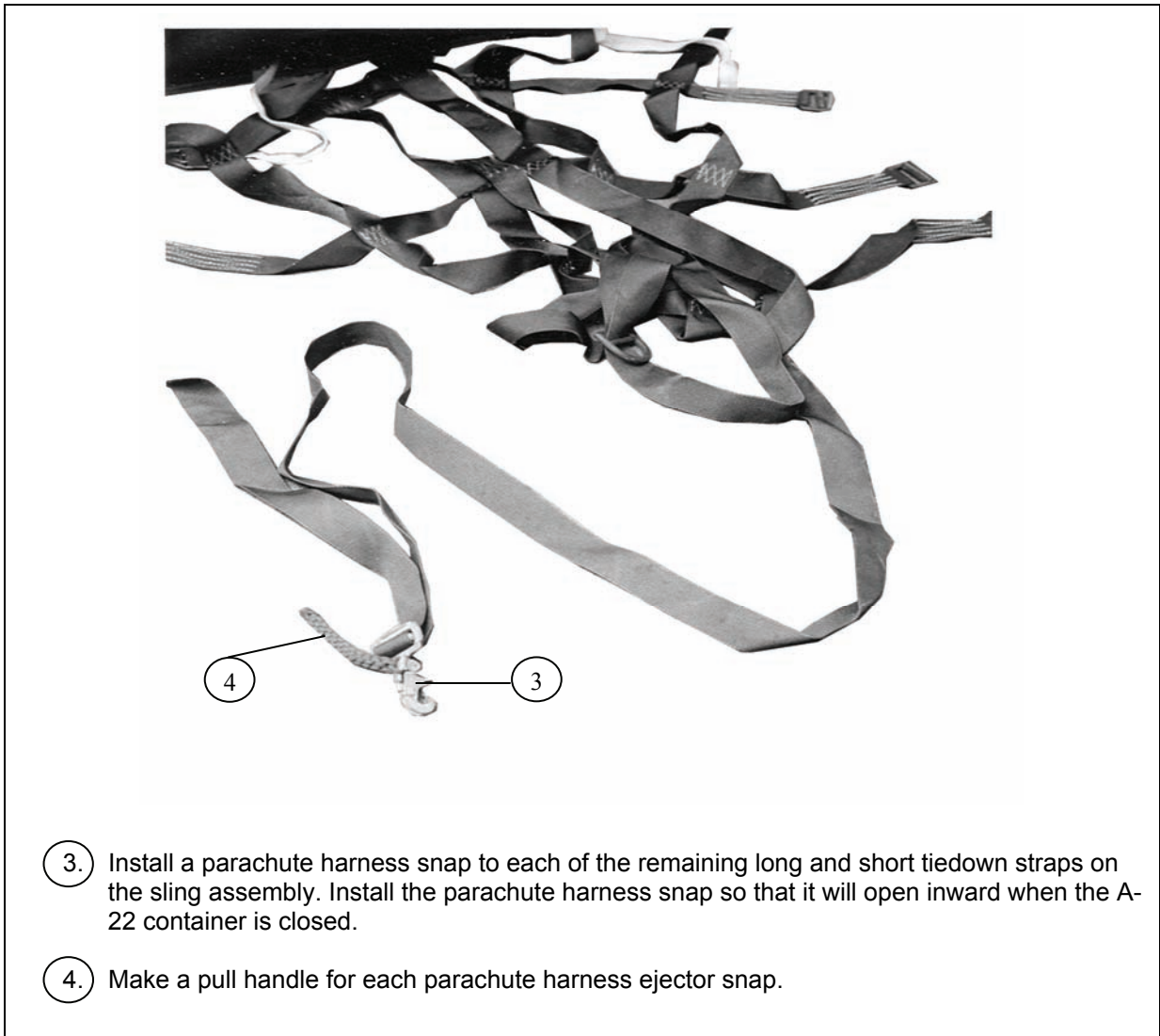
This load differs from other rubber boat loads. Strict adherence to rigging procedures is critical.

### ADAPTING A-22 CARGO BAG

3-2. Adapt the long and short tiedown straps on the sling assembly of the A-22 cargo bag as shown in Figure 3-1.



**Figure 3-1. Sling Assembly Adapted**

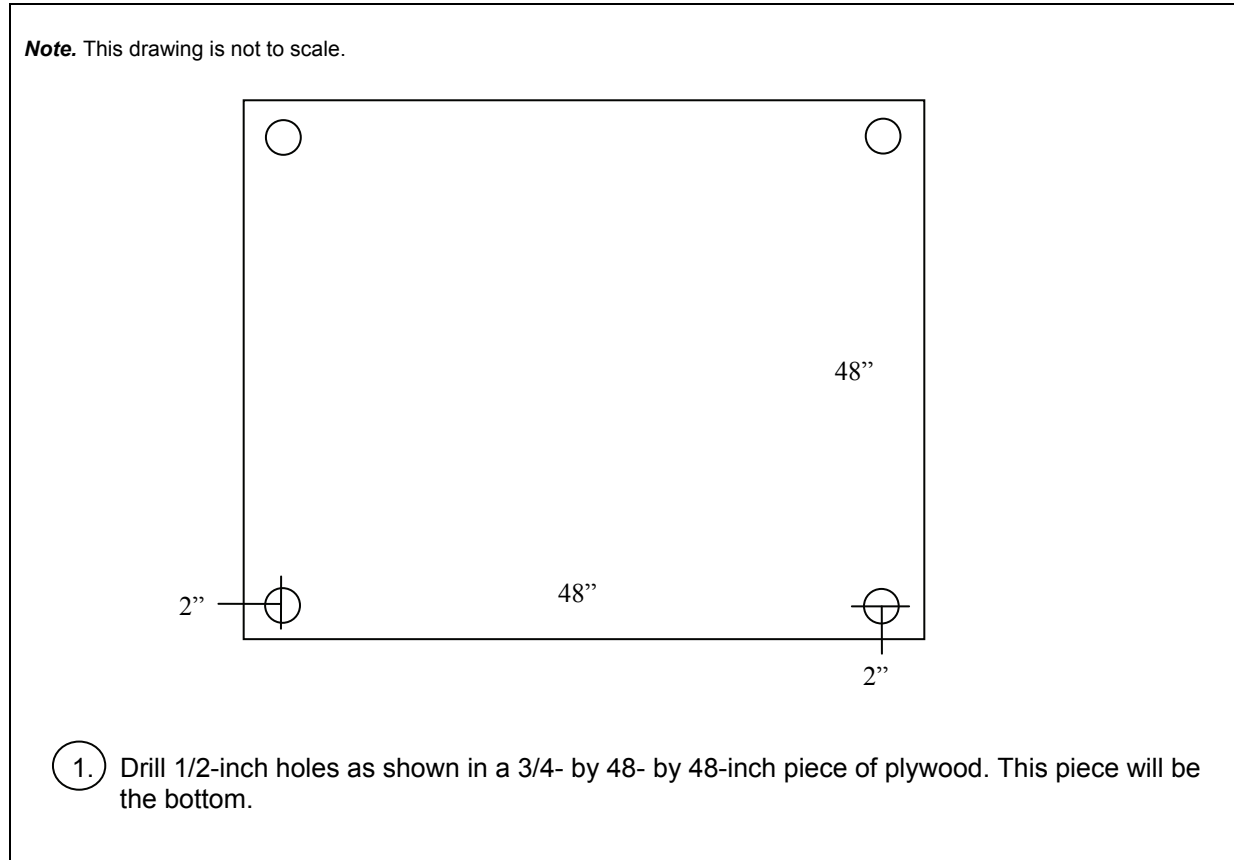


**Figure 3-1. Sling Assembly Adapted (continued)**



## CONSTRUCTING ENGINE PROTECTION BOX

3-3. Construct the engine protection box as shown in Figure 3-2. If the engine protection box is to be recovered and reused, construct the box of oiled marine-grade plywood and aluminum braces. For one-time use, standard plywood and nails may be used.



**Figure 3-2. Engine Protection Box Constructed**

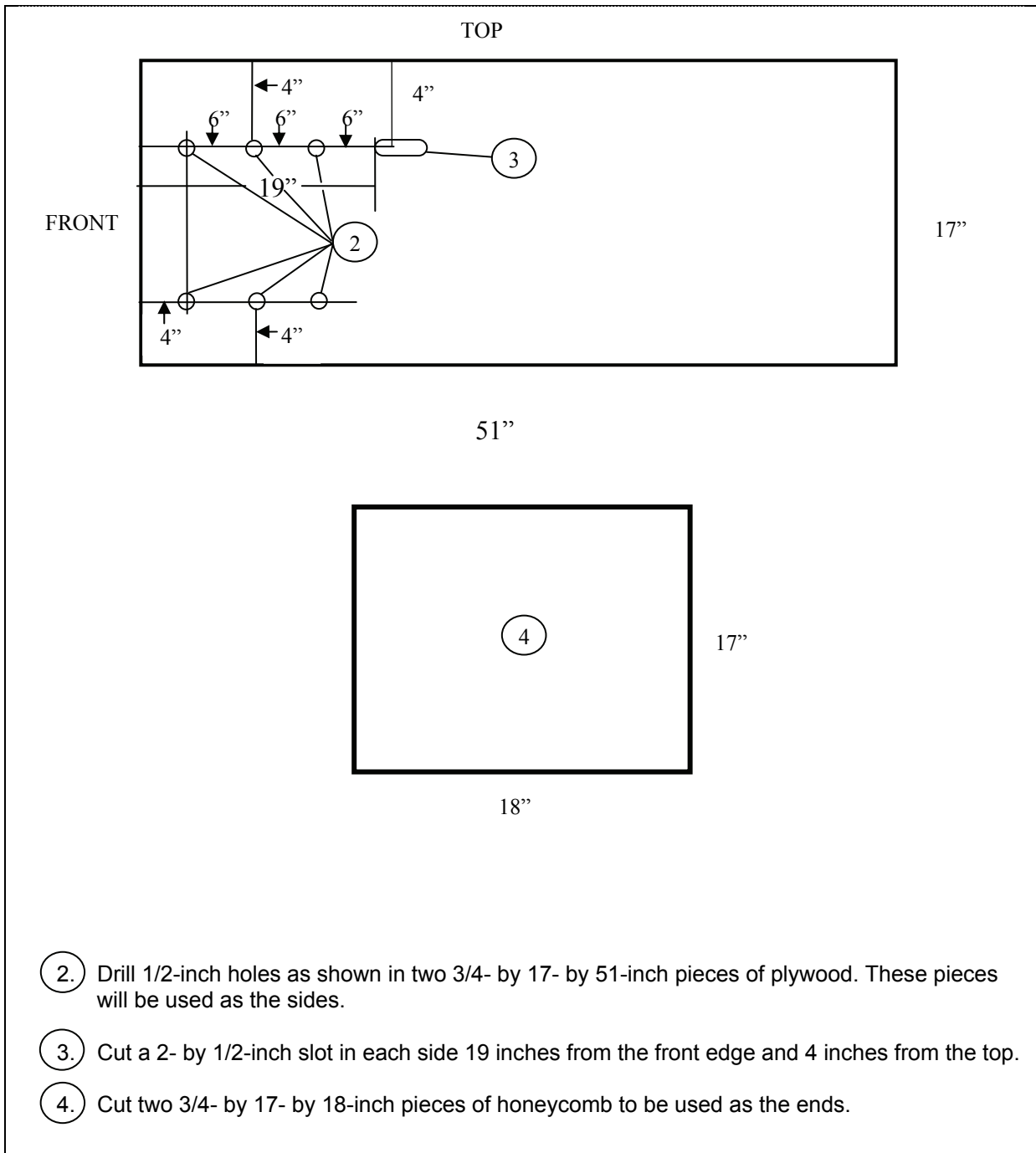
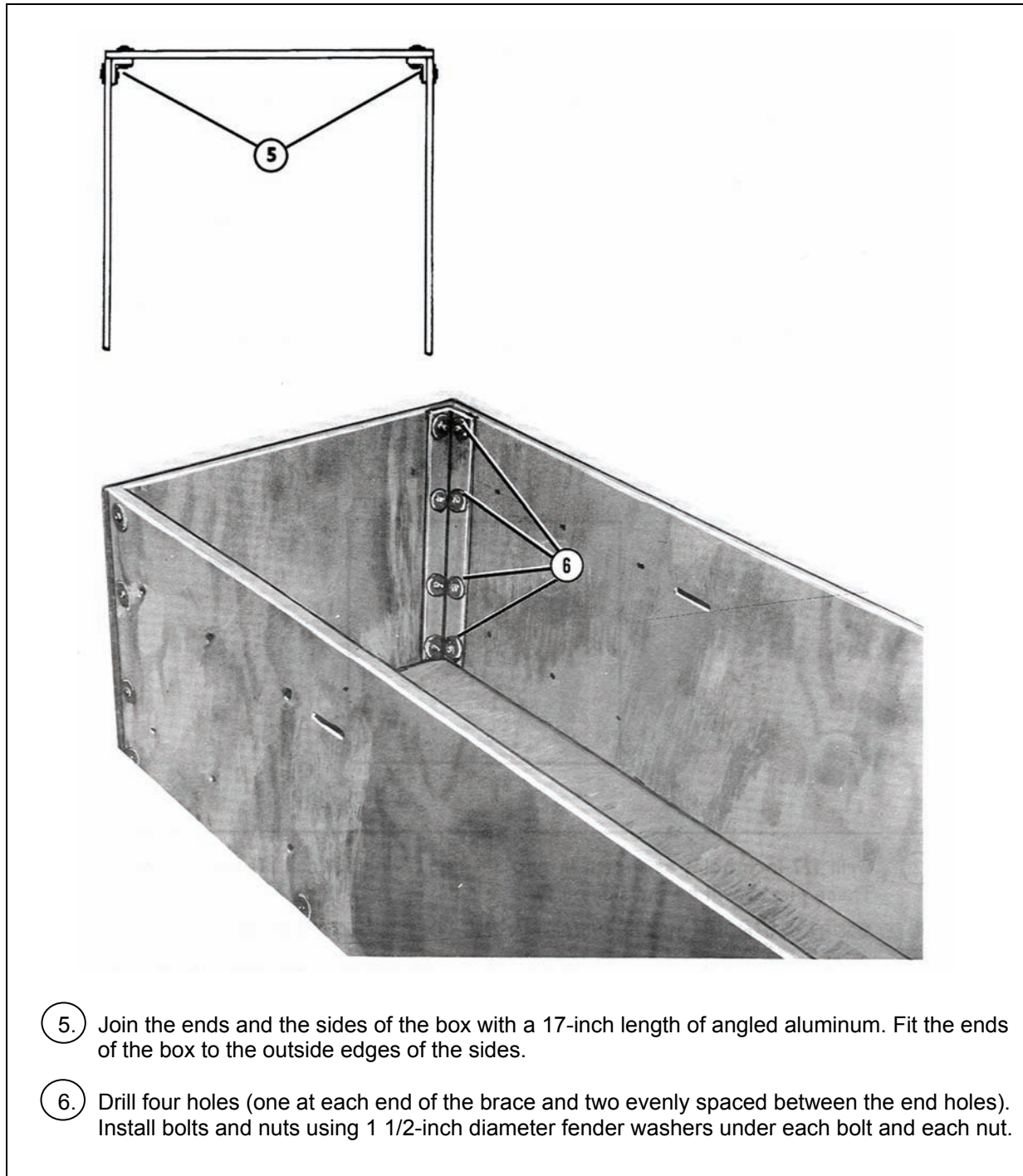
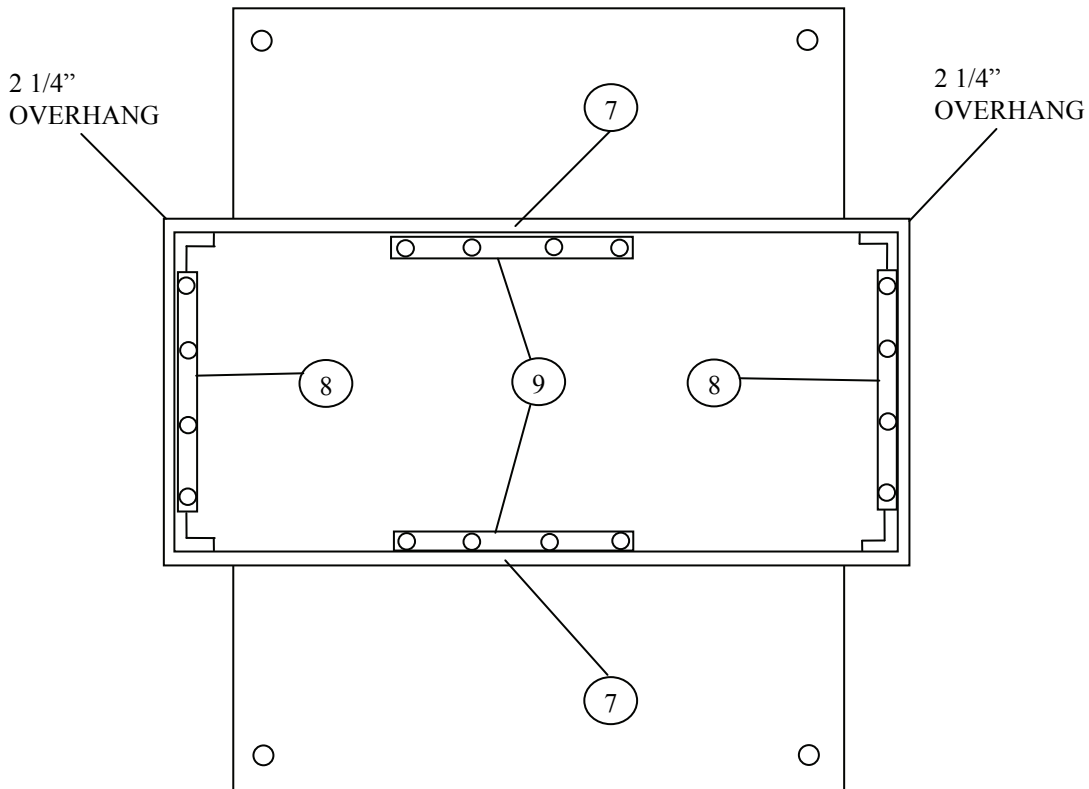


Figure 3-2. Engine Protection Box Constructed (continued)



**Figure 3-2. Engine Protection Box Constructed (continued)**

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



- 7. Center the sides of the box over the bottom so that the ends overhang the bottom 1 1/2 inches at the front and rear.
- 8. Join each end of the box to the bottom with a 14-inch length of angled aluminum. Drill holes and install fasteners and washers as in step 6. Note that the total overhang at each end for a 51-inch box is 2 1/4 inches.
- 9. Join each side of the box to the bottom with a 20-inch length of angled aluminum centered along each side. Drill holes and install fasteners and washers as in step 6.

**Figure 3-2. Engine Protection Box Constructed (continued)**

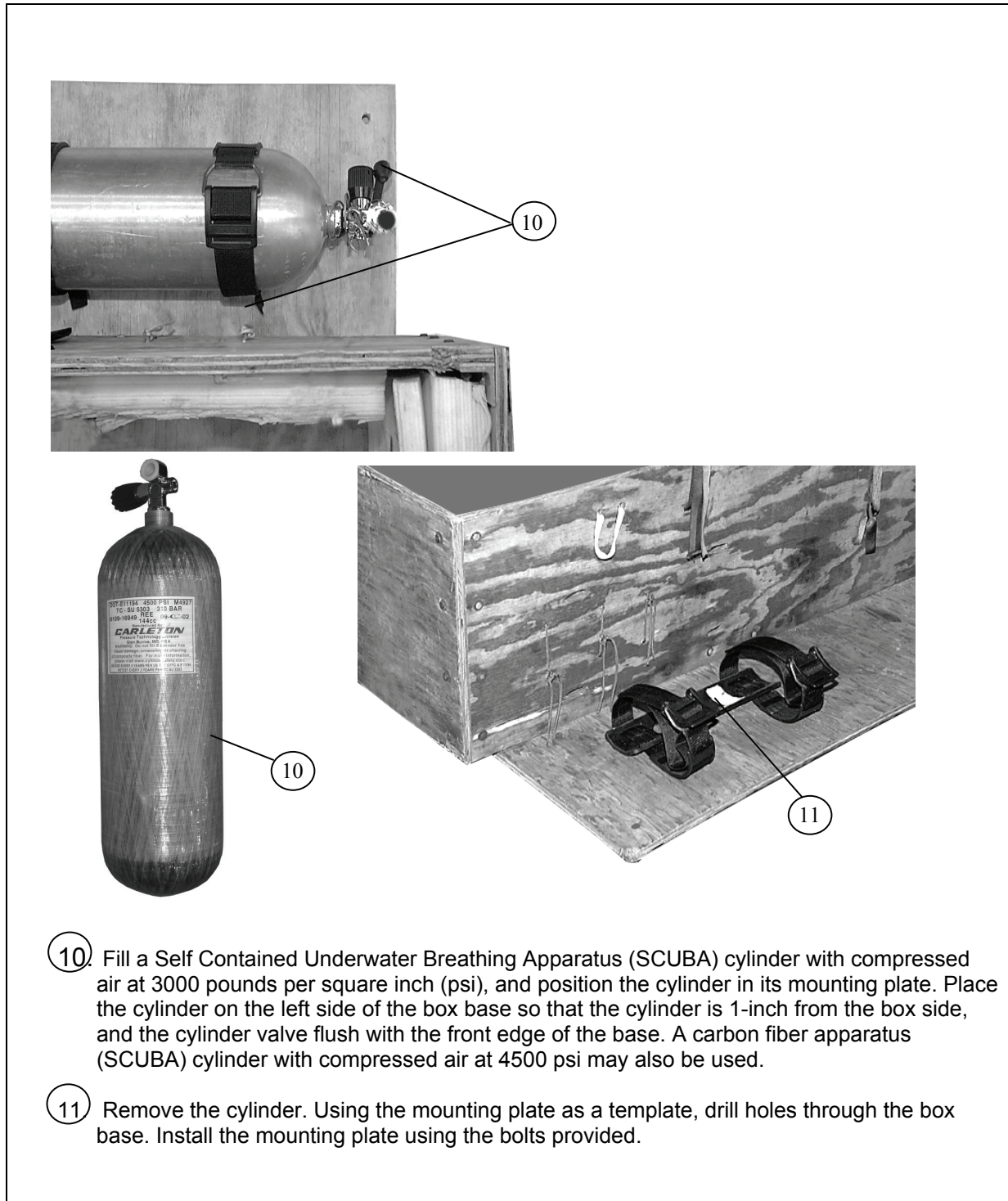


Figure 3-2. Engine Protection Box Constructed (continued)



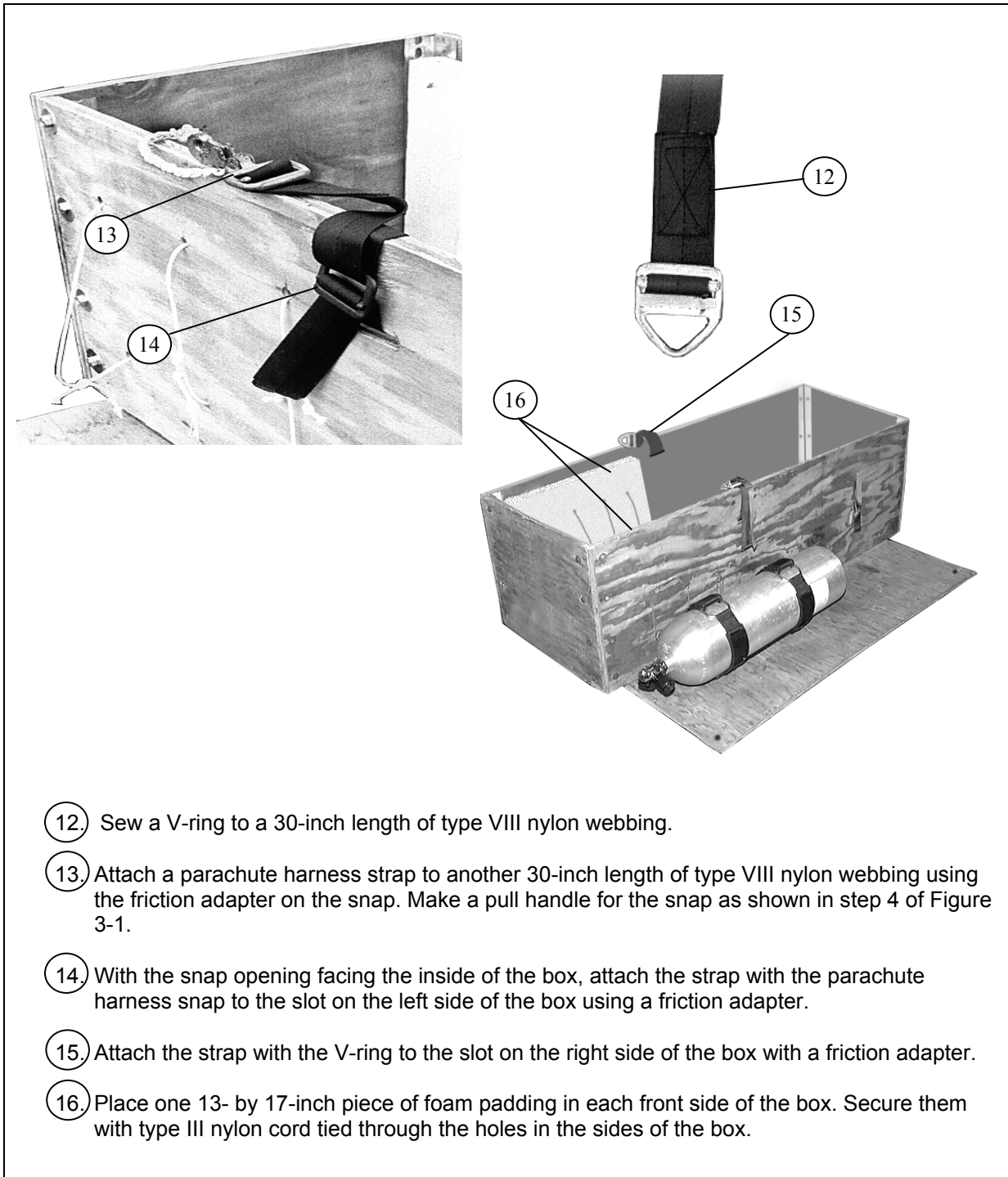


Figure 3-2. Engine Protection Box Constructed (continued)

## PREPARING SKID AND A-22 CARGO BAG AND PLACING ENGINE BOX

3-4. Prepare the skid board and A-22 cargo bag assembly as shown in Figures 3-3 and 3-4. Place the engine box as shown in Figure 3-5.

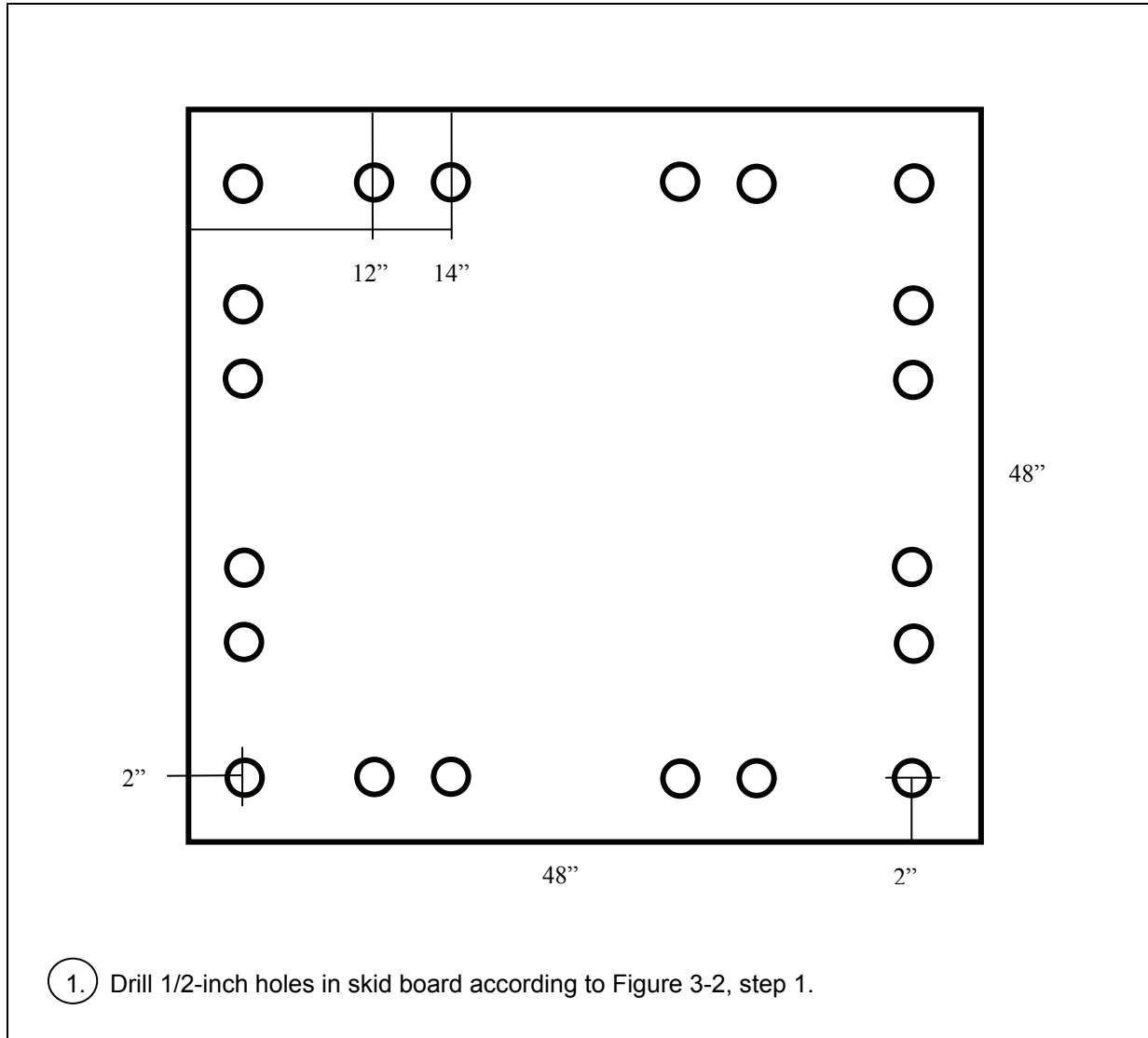
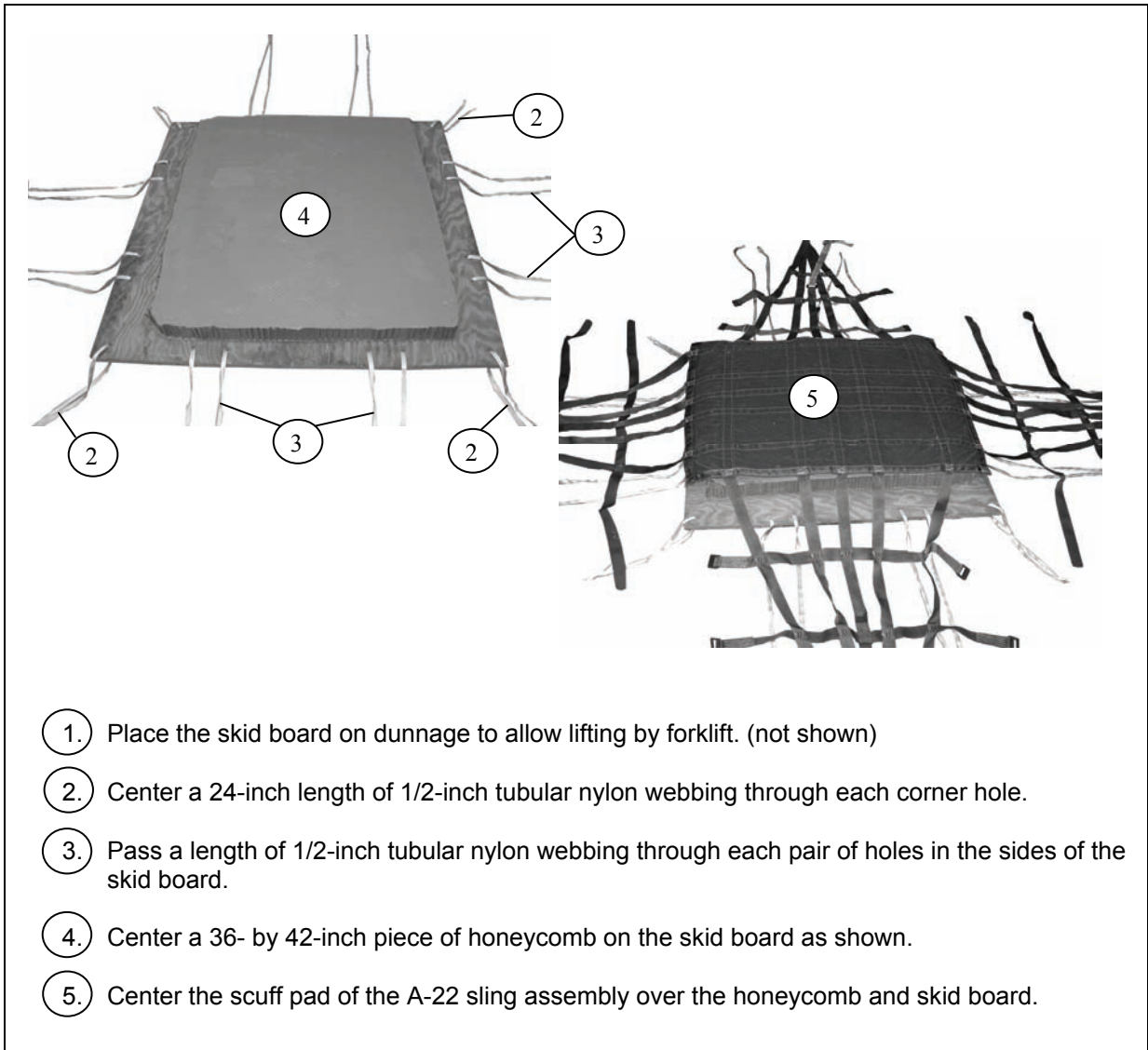
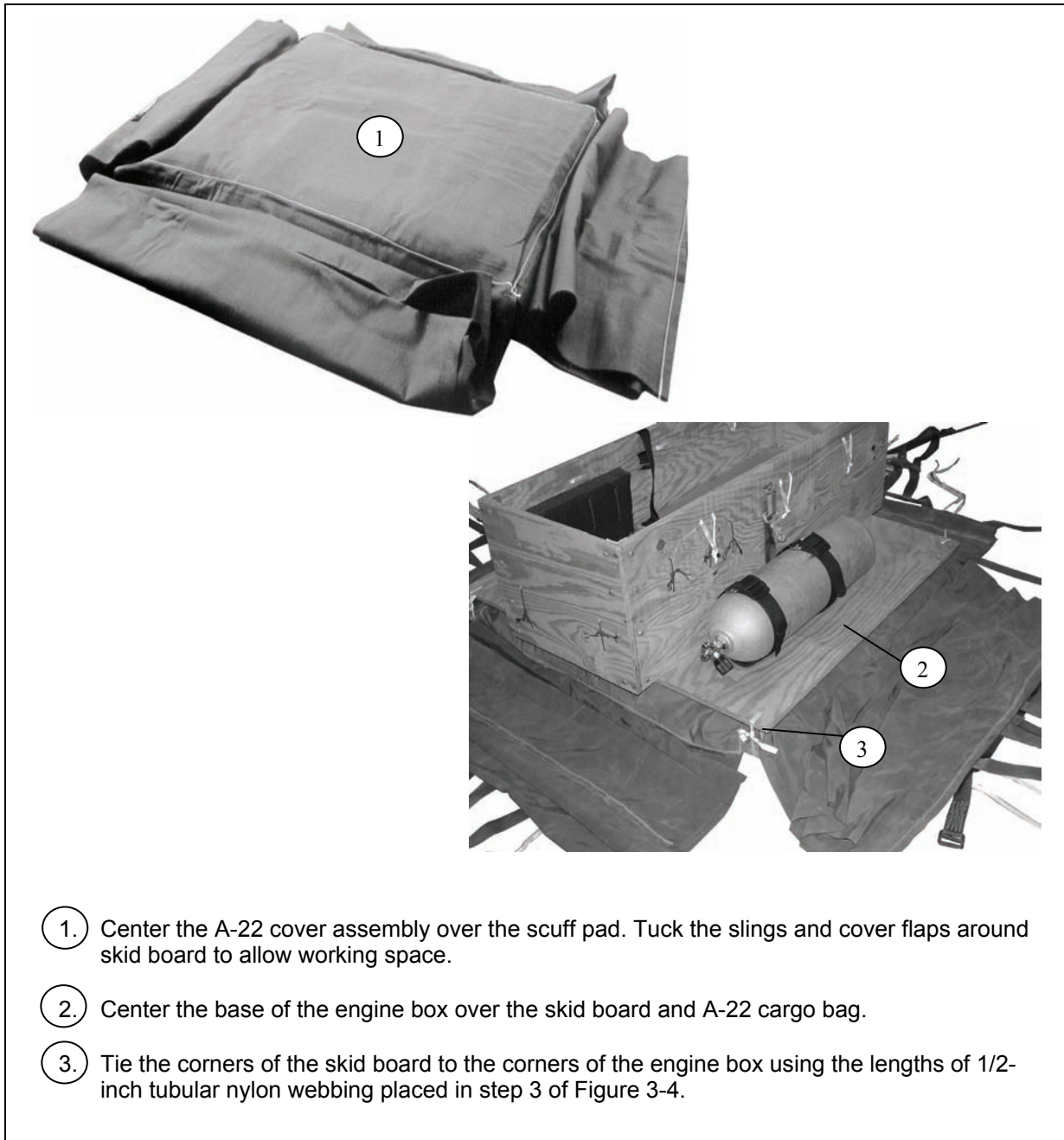


Figure 3-3. A-22 Skid Board Prepared



**Figure 3-4. Skid Board and A-22 Cargo Bag Prepared**



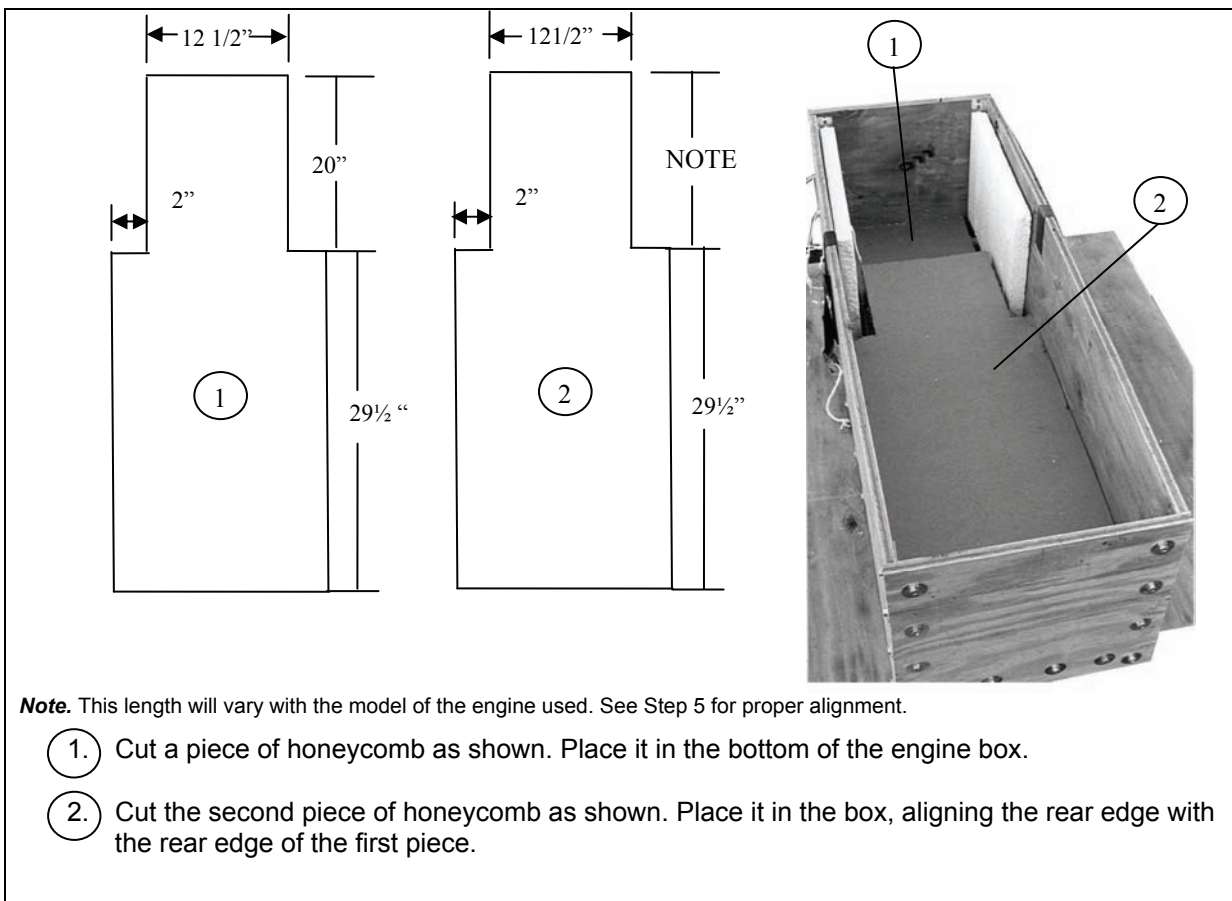
**Figure 3-5. Engine Box Placed**

## PREPARING ENGINE AND SECURING ENGINE IN BOX

3-5. Prepare a 35-horsepower MARS submersible engine and secure it in the engine box as described below:

- Prepare the engine with the assistance of a boat operator as described below.
  - Place the shift lever in the NEUTRAL position
  - Open the throttle fully
  - Place the dewatering valve in the OUT position
  - Coat the ignition components with moisture-resistant sealer
- Place the engine in the engine box, pad it with honeycomb, and secure it as shown in Figure 3-6.

*Note.* This drawing is not to scale.



**Figure 3-6. Engine Secured in Box**



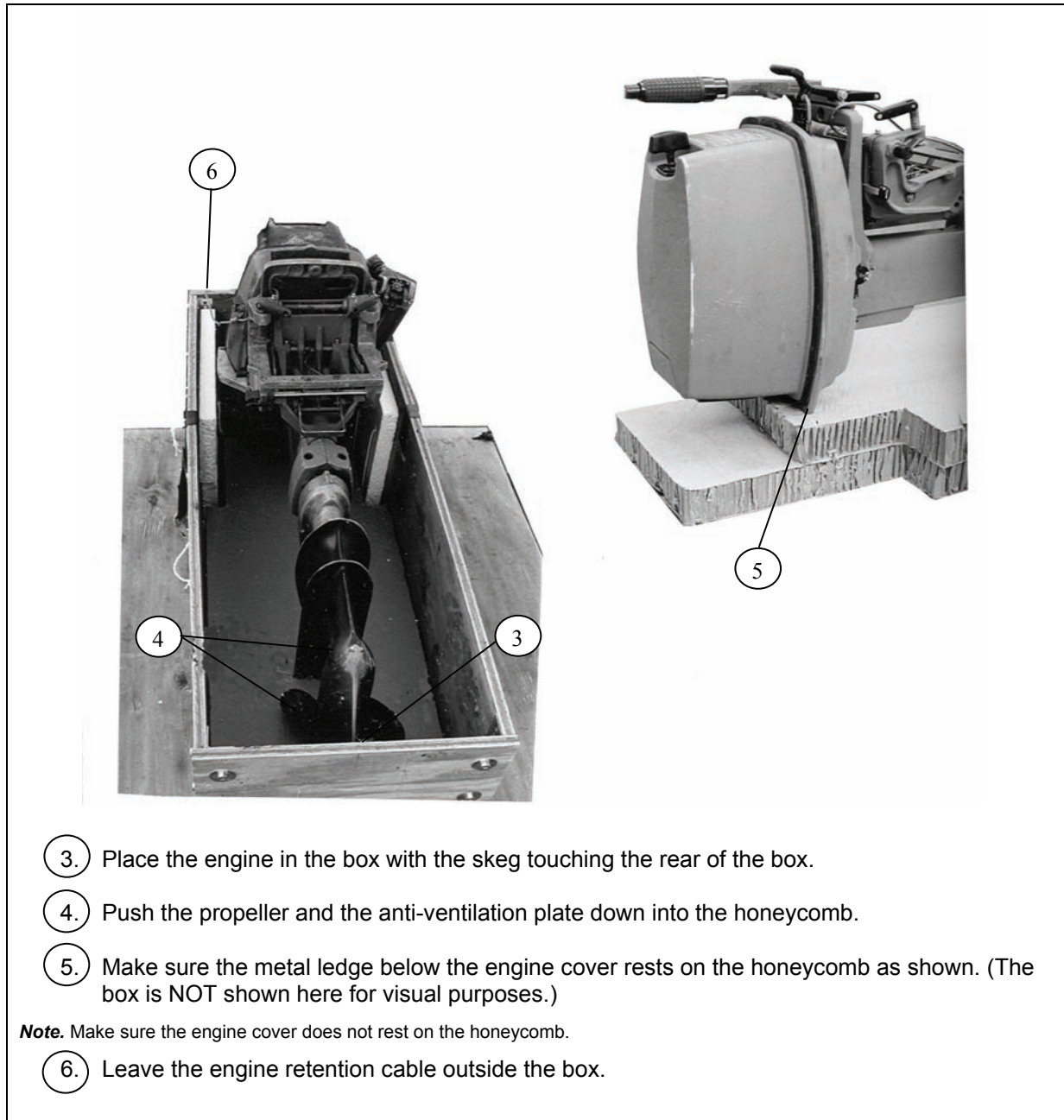


Figure 3-6. Engine Secured in Box (continued)

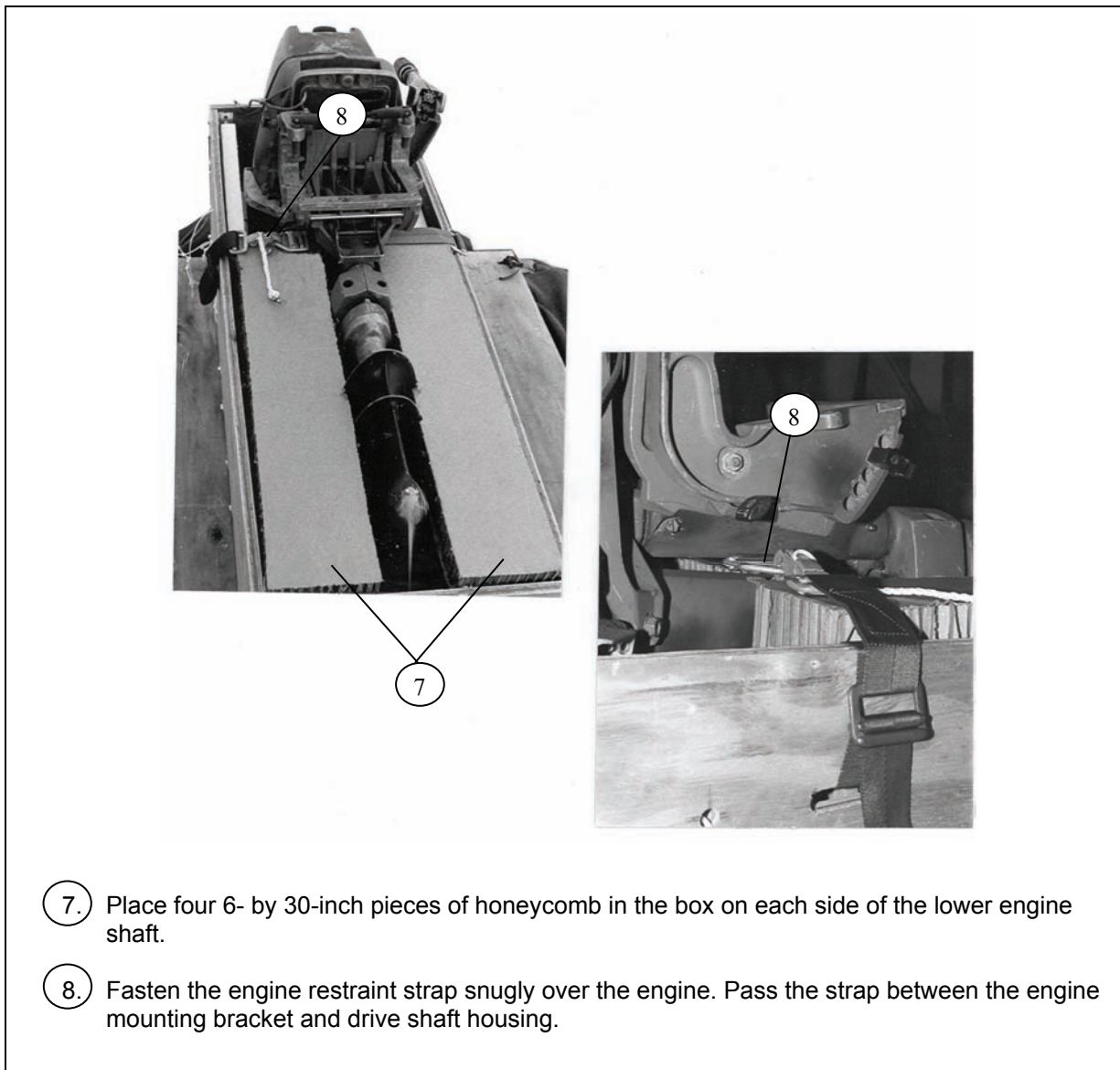
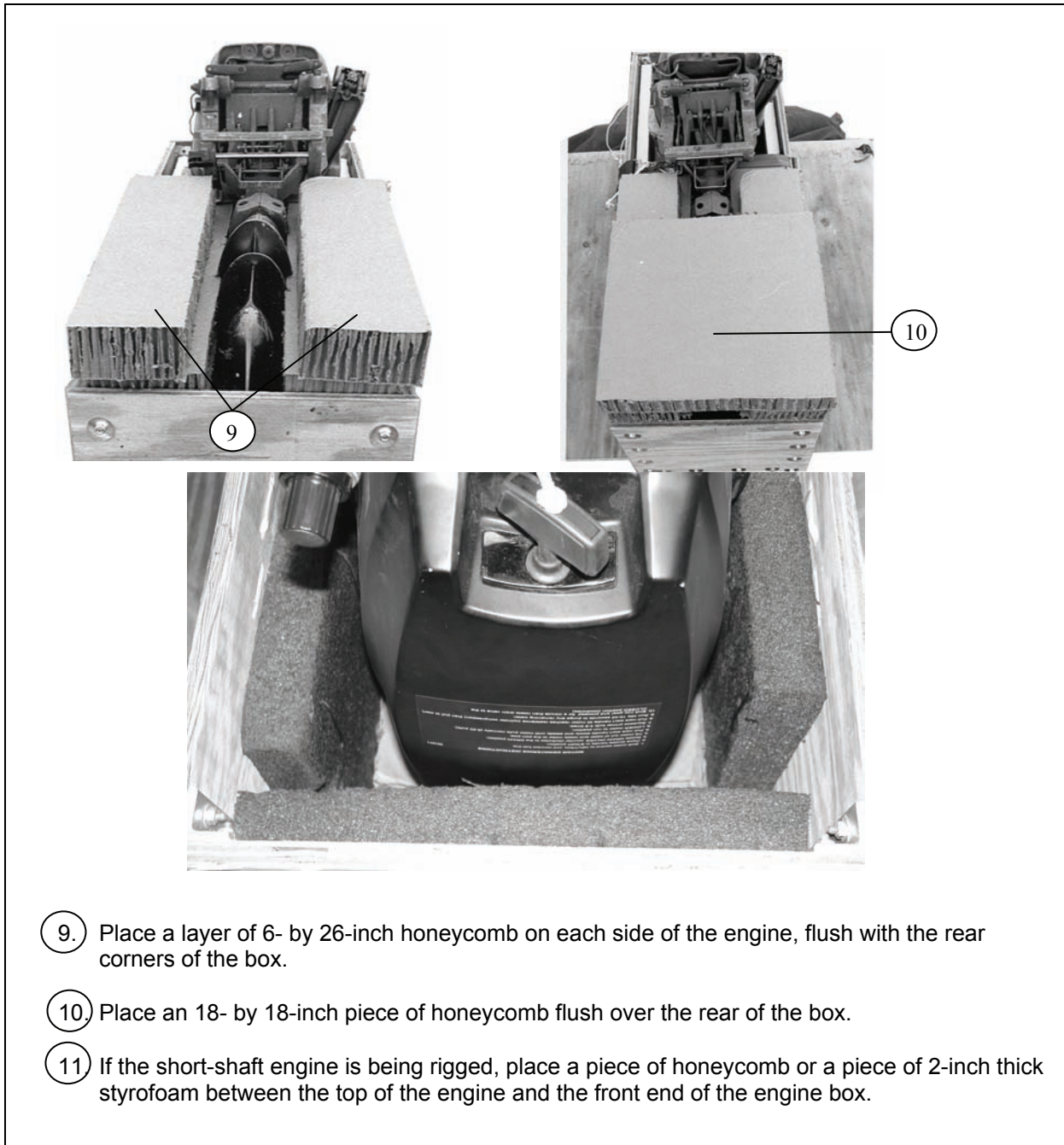


Figure 3-6. Engine Secured in Box (continued)



**Figure 3-6. Engine Secured in Box (continued)**

## PREPARING BOAT AND INFLATION SYSTEM

- 3-6. Prepare the F470U boat and the inflation system as described below.
- Make a pressure check on the boat in accordance with the manufacturer's manual
  - Make sure the bow line is less than 12 feet long
  - Stow any tools, spare engine parts, foot pump, and hose in the bow storage pouches. Attach chemical lights (not red) to the zipper pulls if mission requirements dictate
  - Prepare the boat as shown in Figure 3-7
  - Prepare the inflation system as shown in Figure 3-8

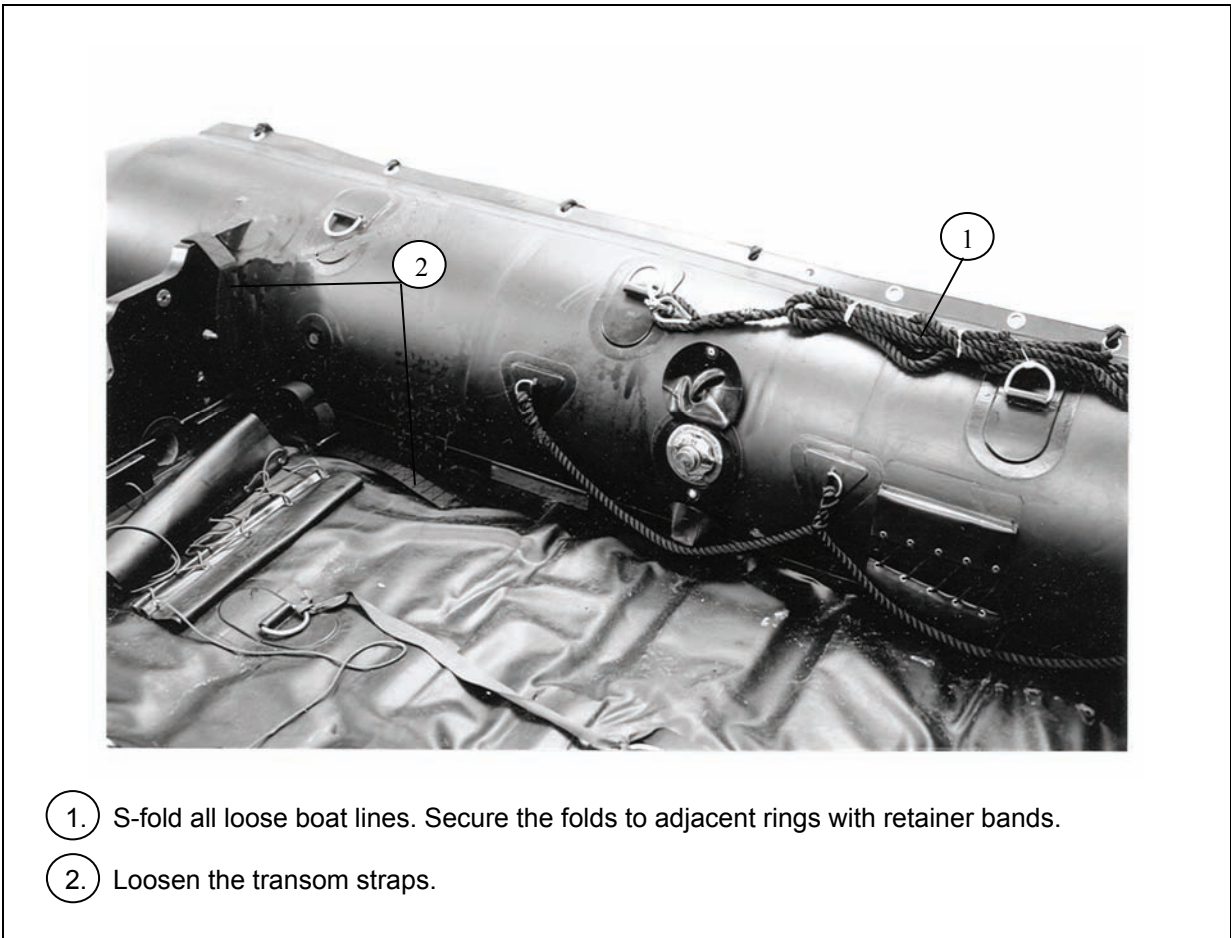
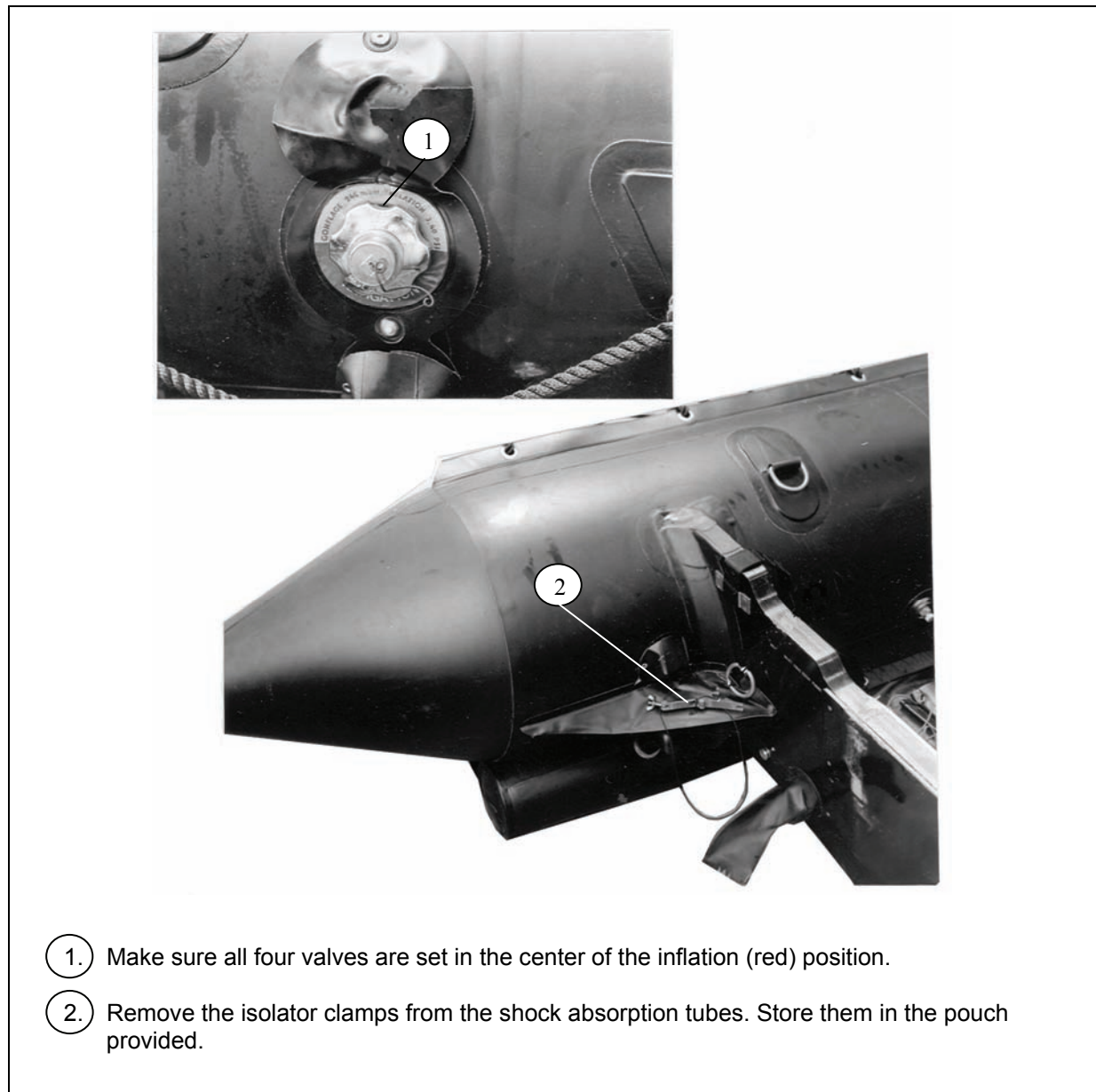
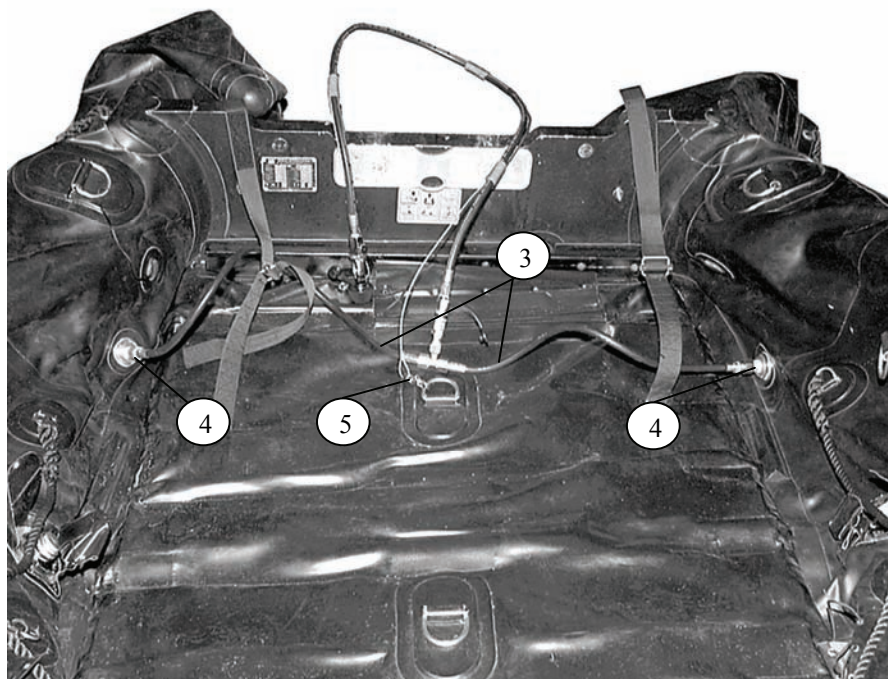


Figure 3-7. Boat Prepared





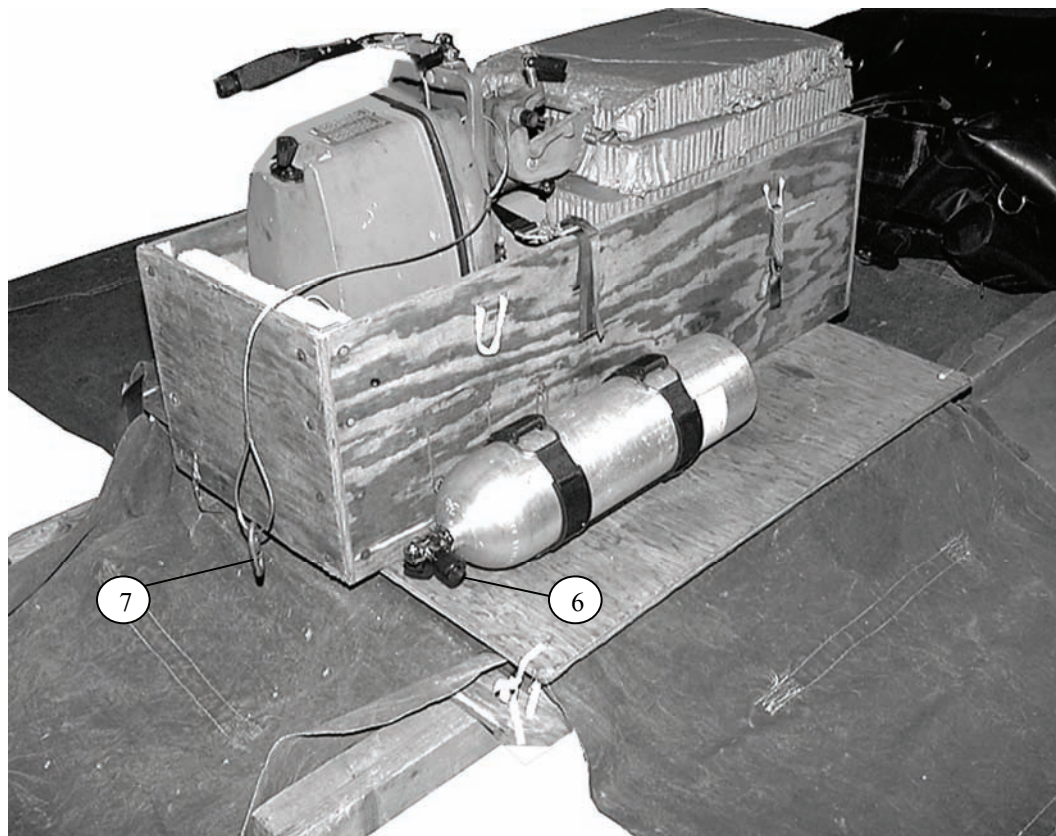
**Figure 3-8. Inflation System Prepared**



- 3. Connect the two Zodiac high-pressure inflation hoses to the Zodiac tee tube.
- 4. Connect the Zodiac high-pressure inflation hoses to the buoyancy tubes.
- 5. Connect the safety lanyard to the aft center D-ring with a small clevis.

**Figure 3-8. Inflation System Prepared (continued)**





- 6. Make sure the cylinder is placed and secured in its holder, exactly as shown, and that the hand wheel faces away from the box wall.
- 7. Place a carabiner or small clevis on the engine securing cable.

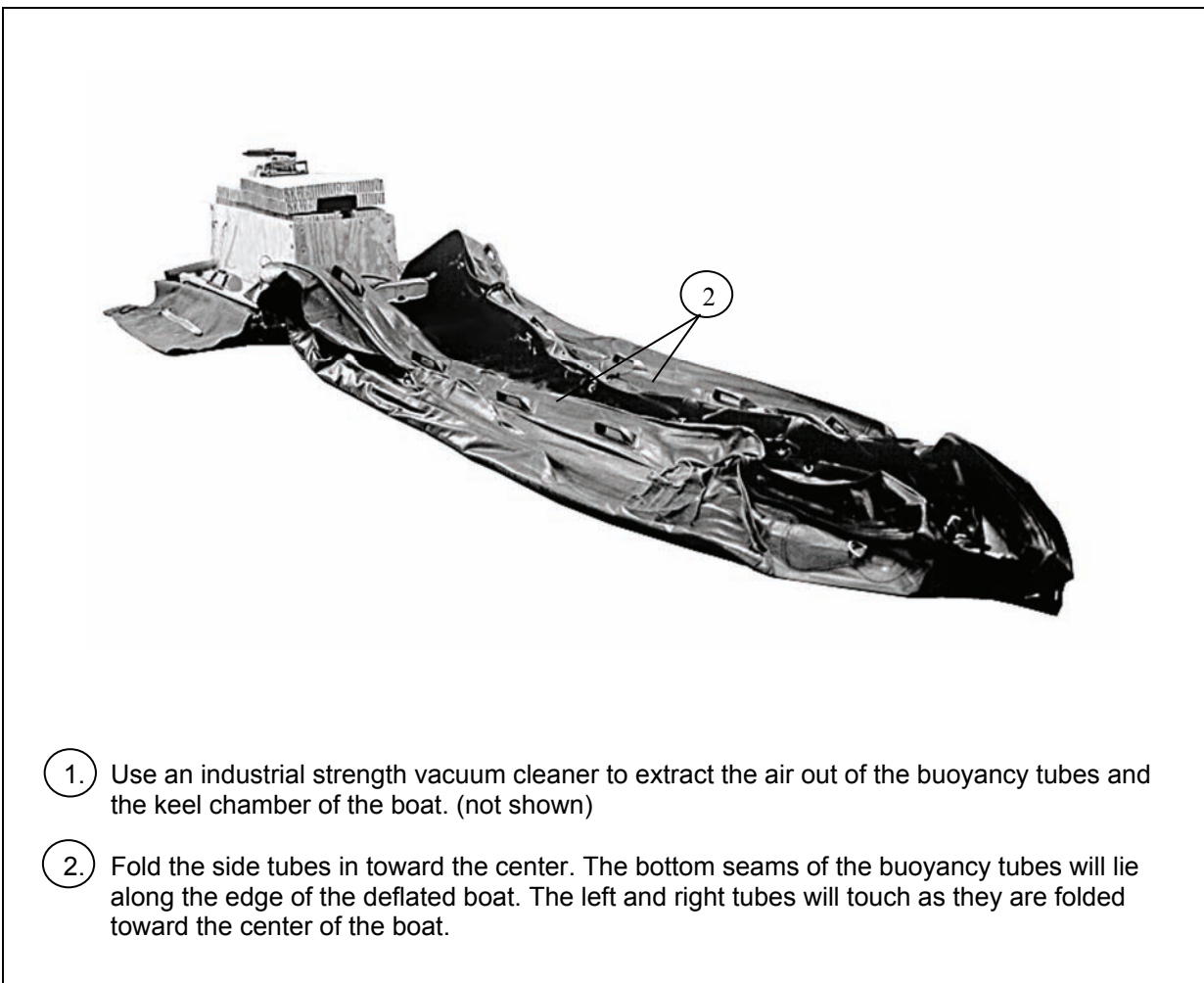
**Figure 3-8. Inflation System Prepared (continued)**

## COLLAPSING AND FOLDING BOAT, COMPLETING INFLATION SYSTEM CONNECTION AND LOADING FUEL TANKS

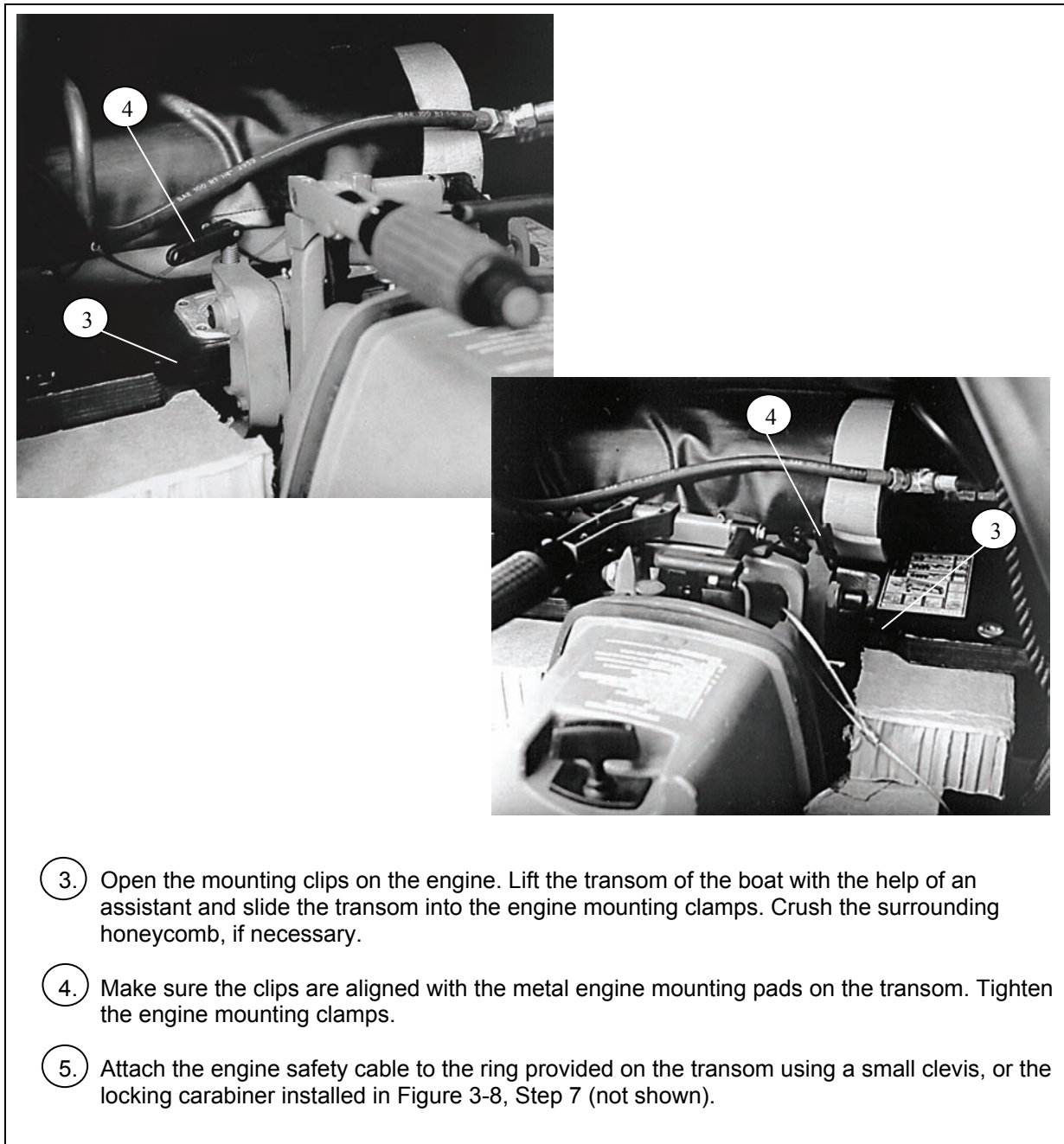
3-7. Collapse the boat, attach it to the engine, and connect the inflation hoses to the cylinder as shown in Figure 3-9. Fold the boat over the engine box as shown in Figure 3-10. Stow the fuel tanks and make the final folds as shown in Figures 3-11 and 3-12.

### CAUTION

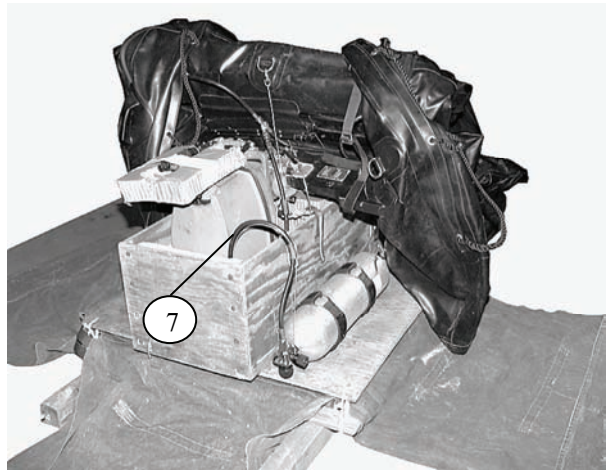
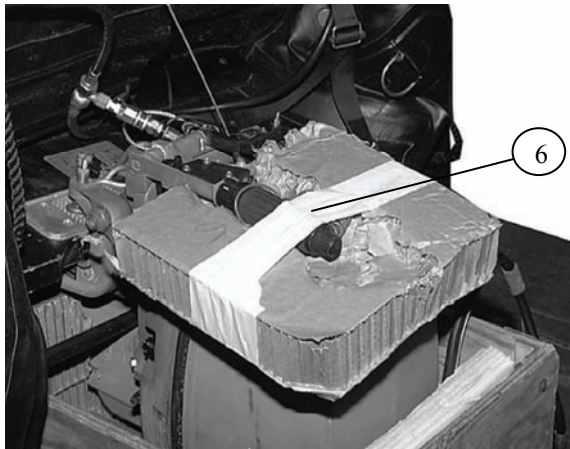
Make sure the isolator clamps are removed from the shock absorption tubes and stowed. Also make sure all inflation valves are closed and in the center of the inflation (red) position.



**Figure 3-9. Boat Collapsed and Attached to Engine, Final Inflation System Connection Made**



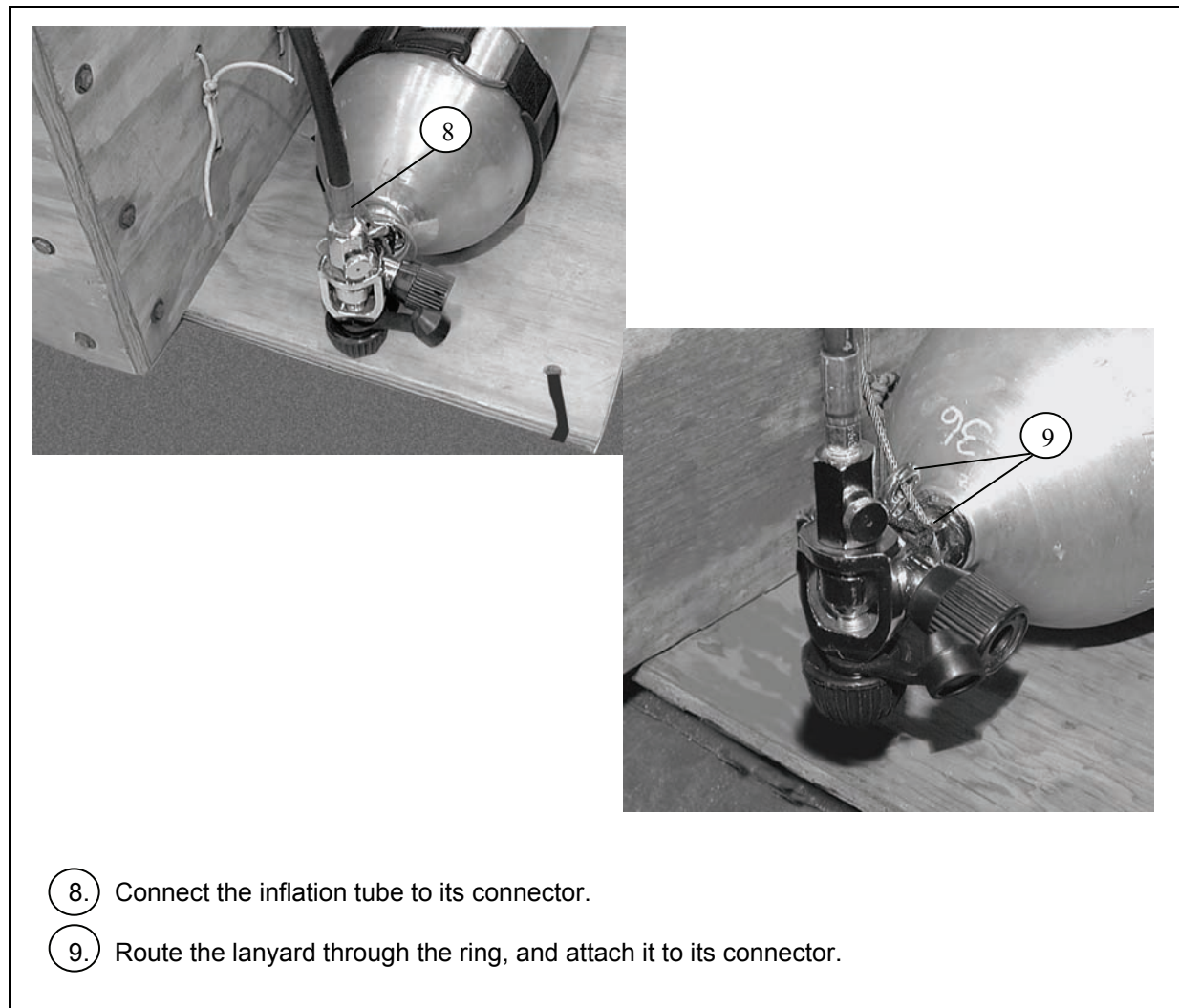
**Figure 3-9. Boat Collapsed and Attached to Engine, Final Inflation System Connection Made (continued)**



6. Center the motor control handle in a 12- by 12-inch piece of honeycomb. Crush the honeycomb to allow the handle to lay in it. Secure the honeycomb to the handle with two turns of masking tape.
7. Route the main inflation hose down into the box on the left side. Allow a smooth turn of the hose out of the box to where it joins the cylinder valve.

**Figure 3-9. Boat Collapsed and Attached to Engine, Final Inflation System Connection Made (continued)**





**Figure 3-9. Boat Collapsed and Attached to Engine, Final Inflation System Connection Made (continued)**