

### 3-73. Installing Parachute Release

Use either two 5,000-pound-capacity releases or one M-1 release on this load.

*a.* Prepare, install, and safety two 5,000-pound-capacity releases according to FM 10-500-2/TO 13C7-1-5.

*b.* Prepare, install, and safety the M-1 release according to FM 10-500-2/TO 13C7-1-5 and as shown in Figure 3-65.

**NOTE: THE HYDRAULIC RELEASE IS AUTHORIZED FOR NAVY AND AIR FORCE USE.**

### 3-74. Marking Rigged Load

Mark the rigged load according to FM 10-500-2/TO 13C7-1-5 and as shown in Figure 3-66. If the accompanying load varies from the one shown, the weight, height, and CB must be recomputed.

### 3-75. Equipment Required

In addition to the items listed in Table 3-1, 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, and one 13- by 36-inch piece of honeycomb.

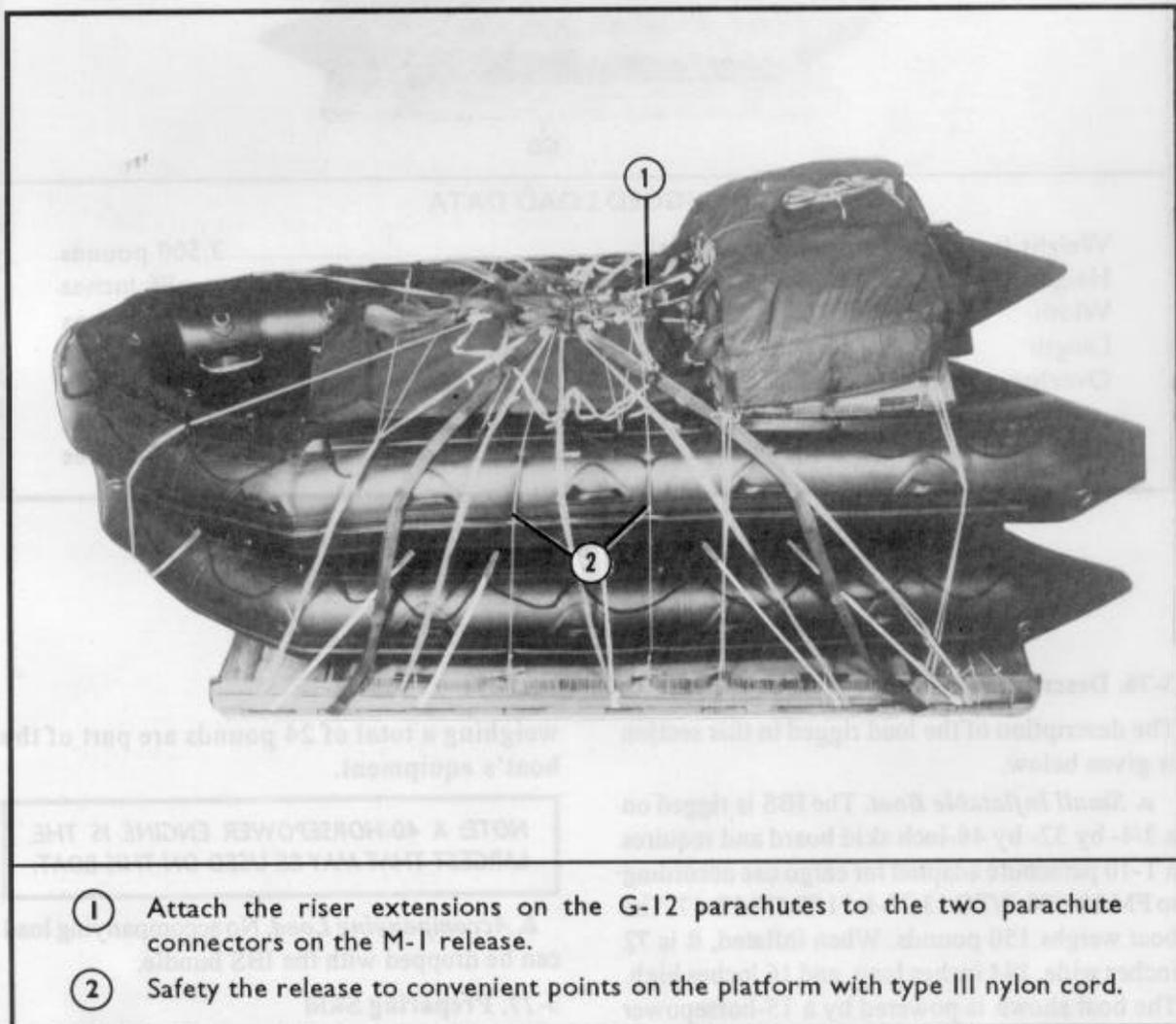


Figure 3-65. M-1 parachute release installed

## Section VII

### RIGGING THE IBS BUNDLE

#### 3-76. Description of Load

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

**a. *Small Inflatable Boat.*** The IBS is rigged on a 3/4- by 32- by 48-inch skid board and requires a T-10 parachute adapted for cargo use according to FM 10-500-3/TO 13C7-1-11/FMFM 7-47. The boat weighs 150 pounds. When inflated, it is 72 inches wide, 144 inches long, and 16 inches high. The boat shown is powered by a 15-horsepower outboard engine that weighs 180 pounds with its two 6-gallon fuel tanks full. Six paddles

weighing a total of 24 pounds are part of the boat's equipment.

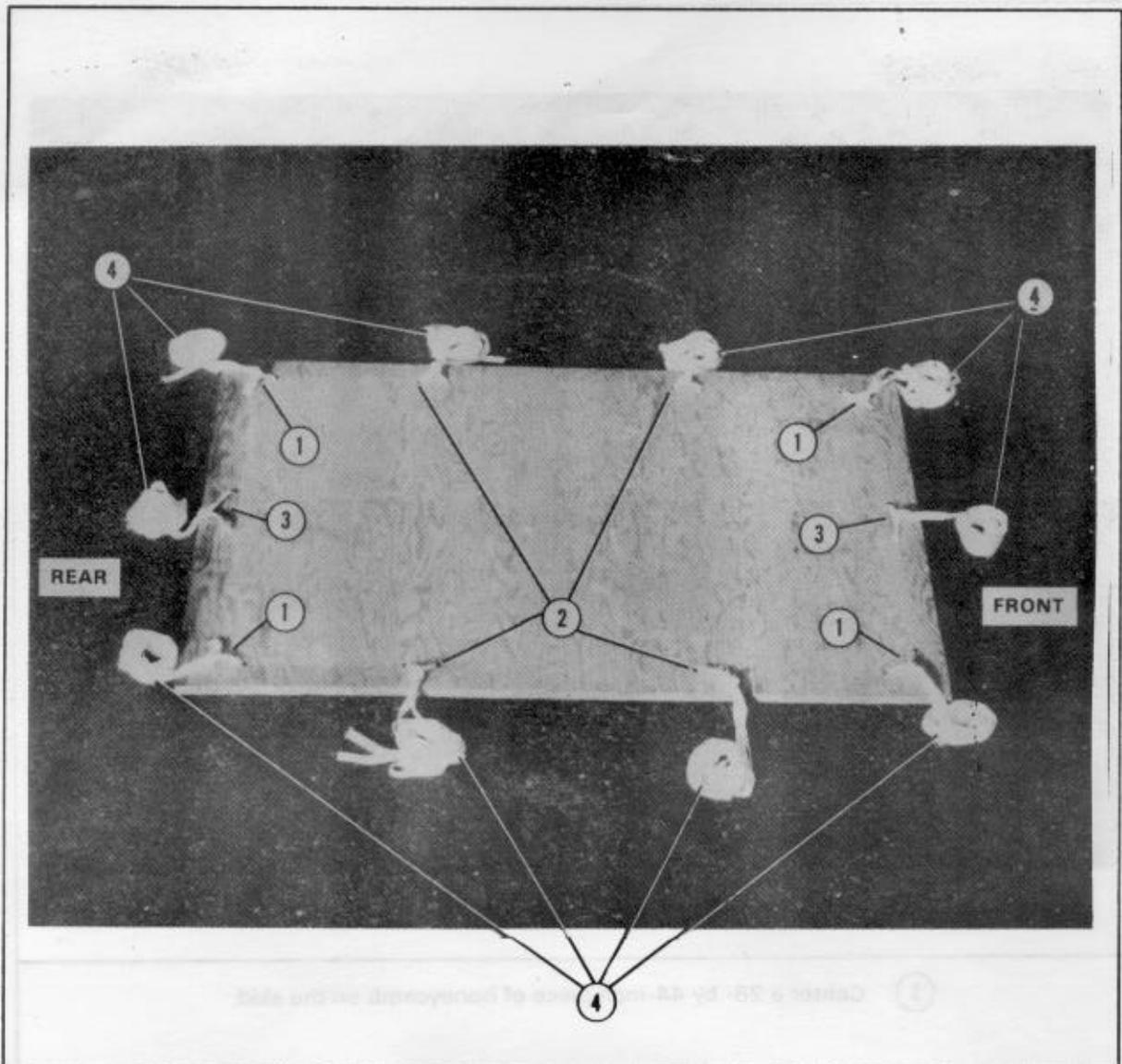
**NOTE: A 40-HORSEPOWER ENGINE IS THE LARGEST THAT MAY BE USED ON THIS BOAT.**

**b. *Accompanying Load.*** No accompanying load can be dropped with the IBS bundle.

#### 3-77. Preparing Skid

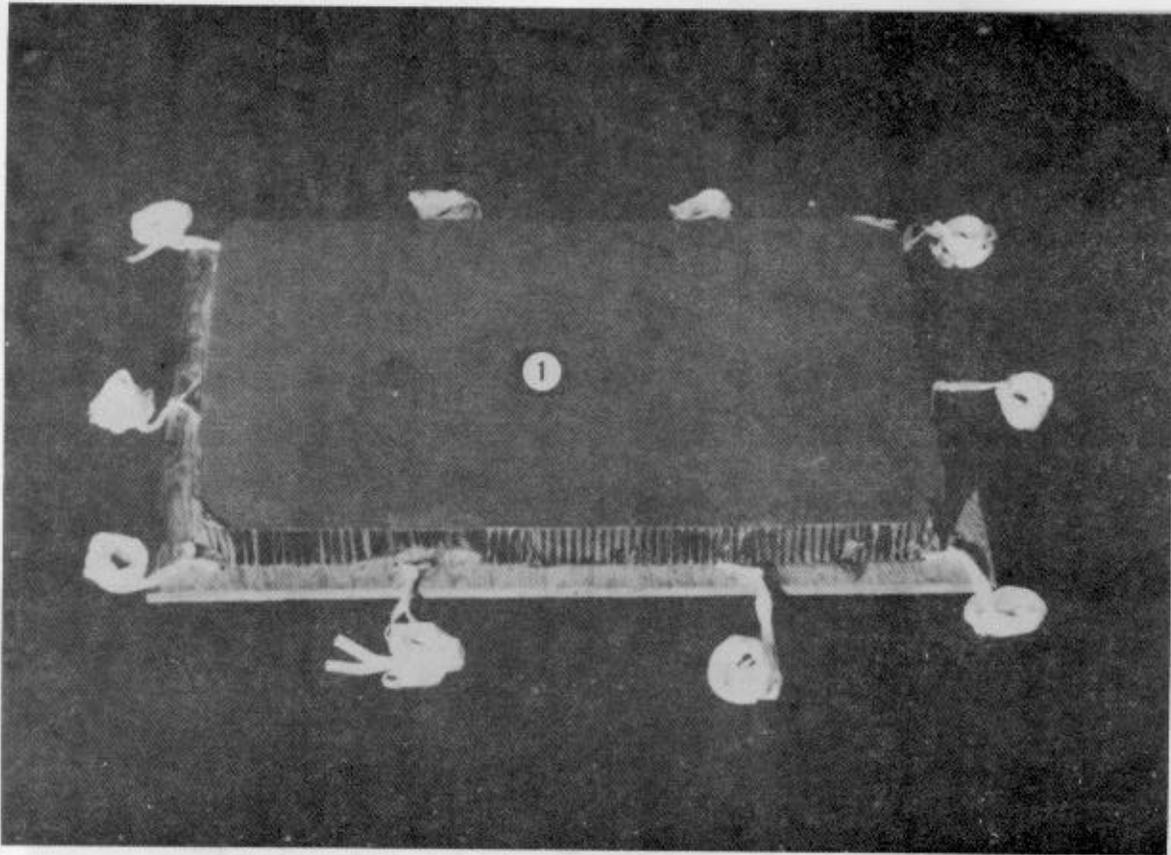
Build the skid board, and install the tiedowns and honeycomb as shown in Figures 3-67 and 3-68.

#### 3-78



- ① Drill two 1/2-inch-diameter holes 4 inches from each corner (2 inches from the edge) of a 3/4- by 32- by 48-inch piece of plywood.
- ② Drill 1/2-inch-diameter holes 16 inches, 18 inches, 30 inches, and 32 inches from the front edge of the skid along the 48-inch sides. All holes must be 2 inches from the nearest edge.
- ③ Center and drill two 1/2-inch-diameter holes 4 inches from each other and 2 inches from the edge along the 32-inch sides.
- ④ Thread a 10-foot length of 1/2-inch tubular nylon webbing through each pair of holes. Tie an overhand knot in each length of 1/2-inch tubular nylon webbing.

Figure 3-67. Skid prepared



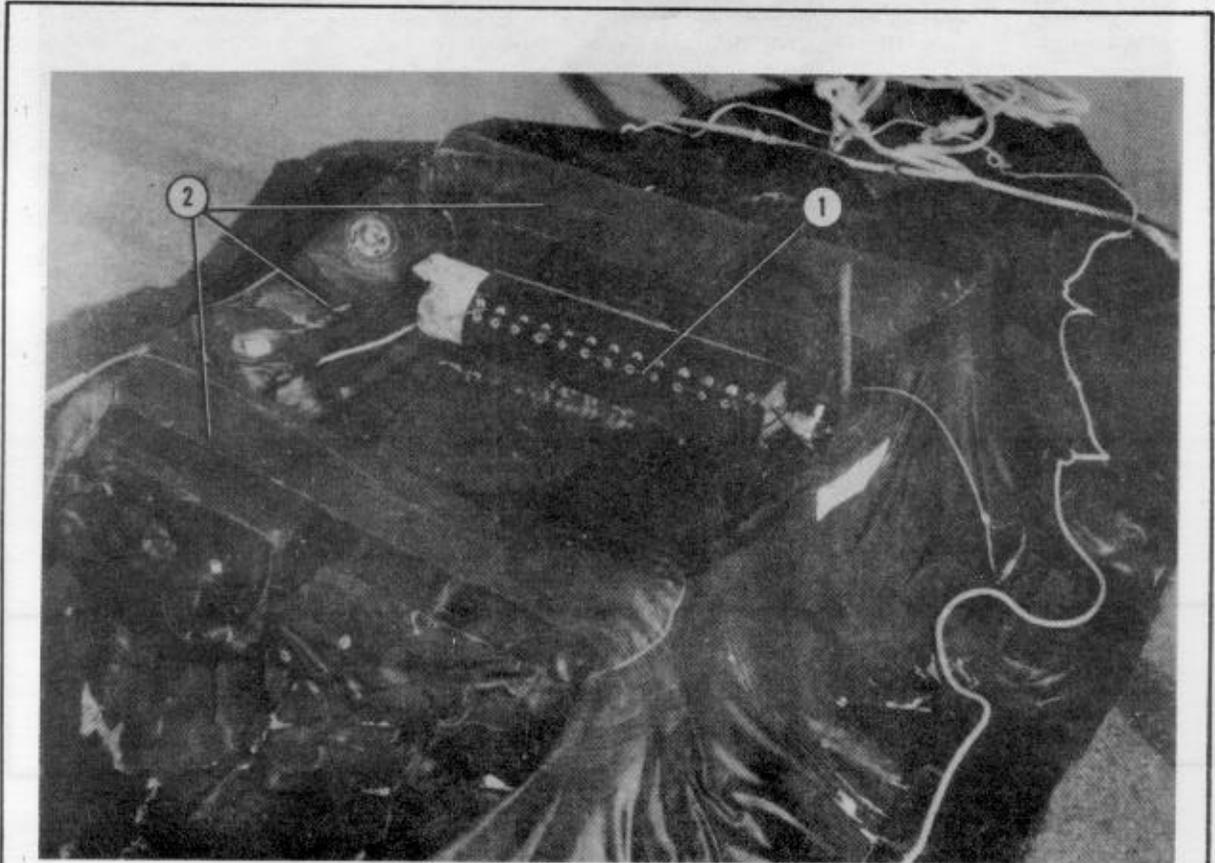
① Center a 28- by 44-inch piece of honeycomb on the skid.

- ① Drill two 1/2-inch-diameter holes 4 inches from each corner (5 inches from the top) of a 28- by 32- by 48-inch piece of plywood.
- ② Drill 1/2-inch-diameter holes 18 inches, 18 inches, 30 inches, and 32 inches from the front edge of the skid along the 48-inch side. All holes must be 2 inches from the nearest edge.
- ③ Center and drill two 1/2-inch-diameter holes 4 inches from each other and 2 inches from the side along the 32-inch side.
- ④ Thread a 10-foot length of 1/2-inch tubular nylon webbing through each pair of holes. Tie an overhand knot in each length of 1/2-inch tubular nylon webbing.

Figure 3-68. Honeycomb positioned on the skid

**3-78. Preparing the IBS**

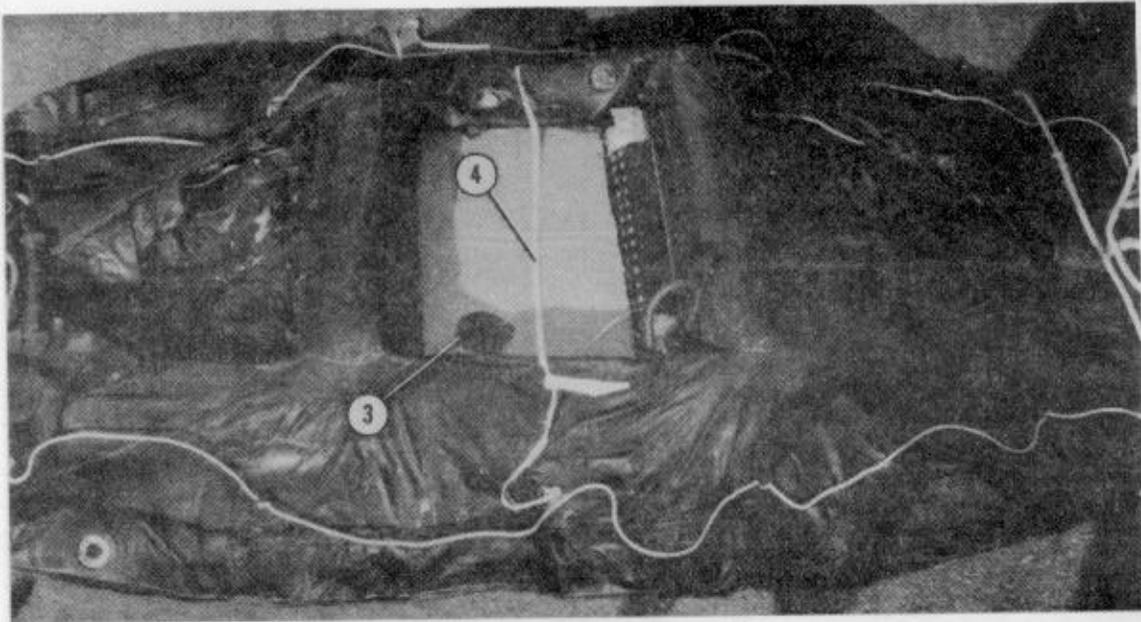
Prepare the IBS as shown in Figure 3-69.



- ① Pad the CO<sub>2</sub> bottle with bubble wrap. Stow the bottle in the center compartment. Tie the compartment shut with type III nylon cord.
- ② Inflate the boat's tubes with the hand pump.

**NOTE: STOW THE PUMP IN THE STOWAGE COMPARTMENT ON THE CENTER TUBE.**

*Figure 3-69. Boat prepared*



- ③ Make a 5-inch circular cutout in a corner of an 18- by 32-inch piece of honeycomb. Set the honeycomb on the floor of the boat with the cutout over the floor valve.
- ④ Center a 6-foot length of 1/2-inch tubular nylon over the length of the honeycomb.

Figure 3-69. Boat prepared (continued)

### 3-79. Preparing Engine and Fuel Tanks

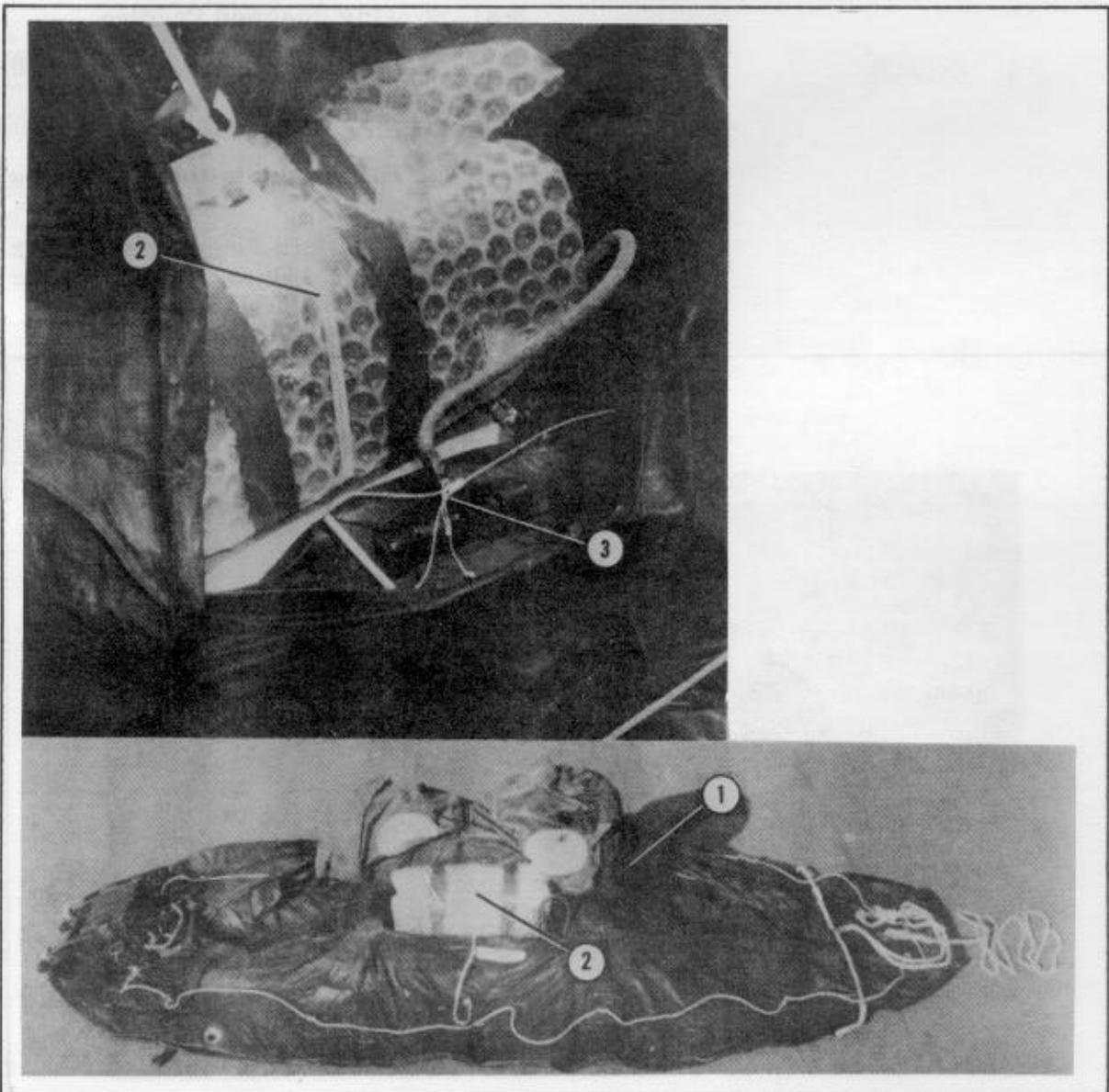
Prepare the engine and the fuel tanks as described below.

- a. Wrap the lower unit of the engine with bubble wrap and tape.
- b. Tie a 2- by 8-inch piece of honeycomb between the operator's handle and the engine cover with type III nylon cord.
- c. Stow the engine and fuel hoses in an airtight, waterproof bag.

### 3-80. Positioning Boat and Engine

Set the boat on the skid, and position the engine as described below.

- a. Center the boat on the skid lengthwise.
- b. Set the engine and fuel tanks on the inflated center tubes as shown in Figure 3-70.



- ① Set the wrapped engine on the two inflated center tubes with the operator's handle up and the top of the engine flush with the forward edge of the front tube.
- ② Set a fuel can on either side of the engine's lower unit. Tie the cans to the lower unit with the pre-positioned 1/2-inch tubular nylon webbing.
- ③ Tie the CO<sub>2</sub> activation handle to the hose coupling with ticket number 5 cotton thread.

**NOTE: BE SURE THAT THE CO<sub>2</sub> HOSE IS NOT CRIMPED OR PINCHED UNDER THE FUEL CANS.**

Figure 3-70. Engine and fuel tanks positioned and secured

**3-81. Stowing Boat and Paddles**

Stow the boat and paddles as shown in Figure 3-71.

**3-82. Lashing the IBS Bundle**

Lash the IBS bundle to the platform as described below.

- a. Form one 30-inch-diameter tiedown ring (2-loop) and two 16-inch-diameter tiedown rings (2-loop) as outlined in Figure 3-12.

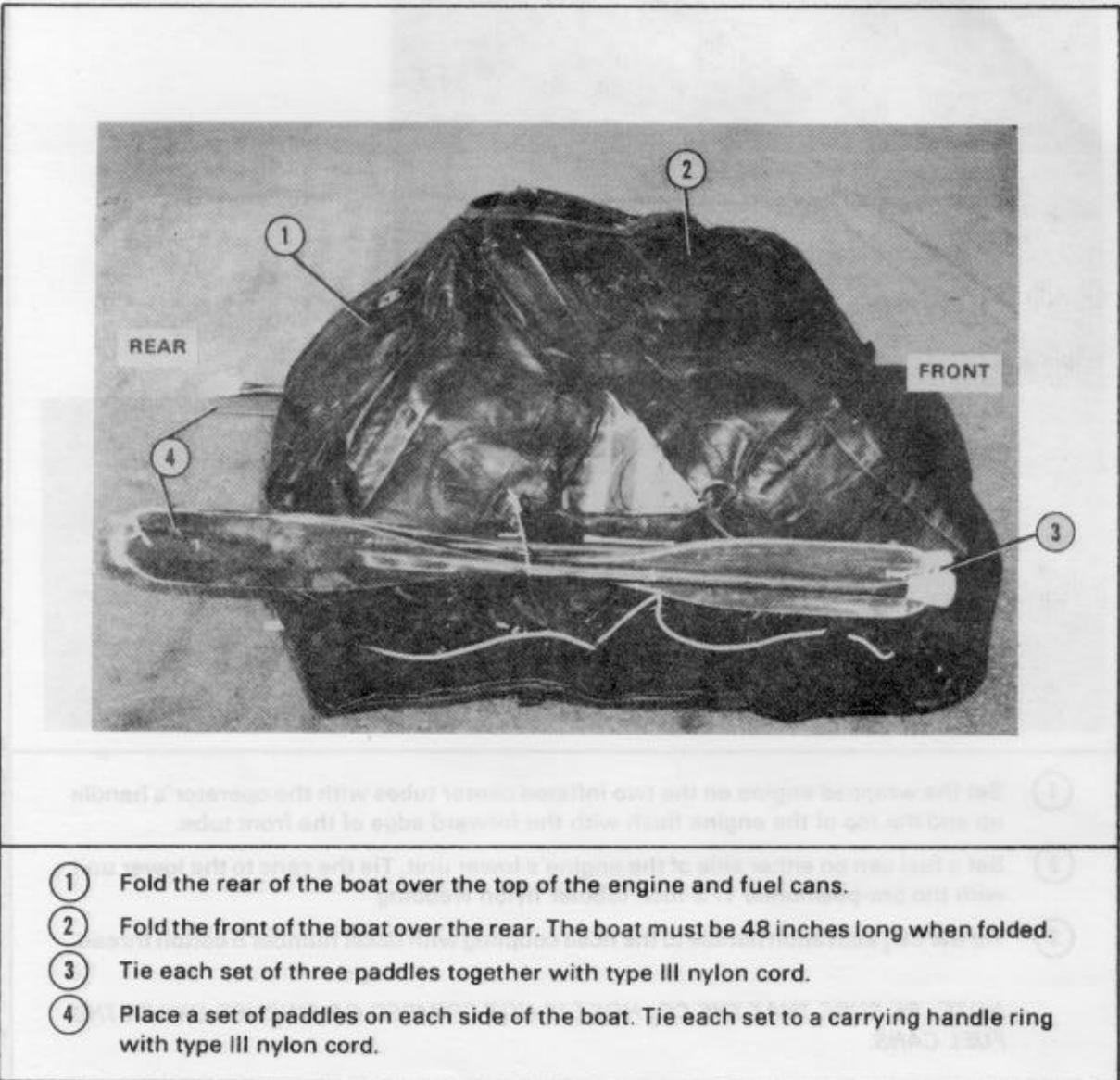
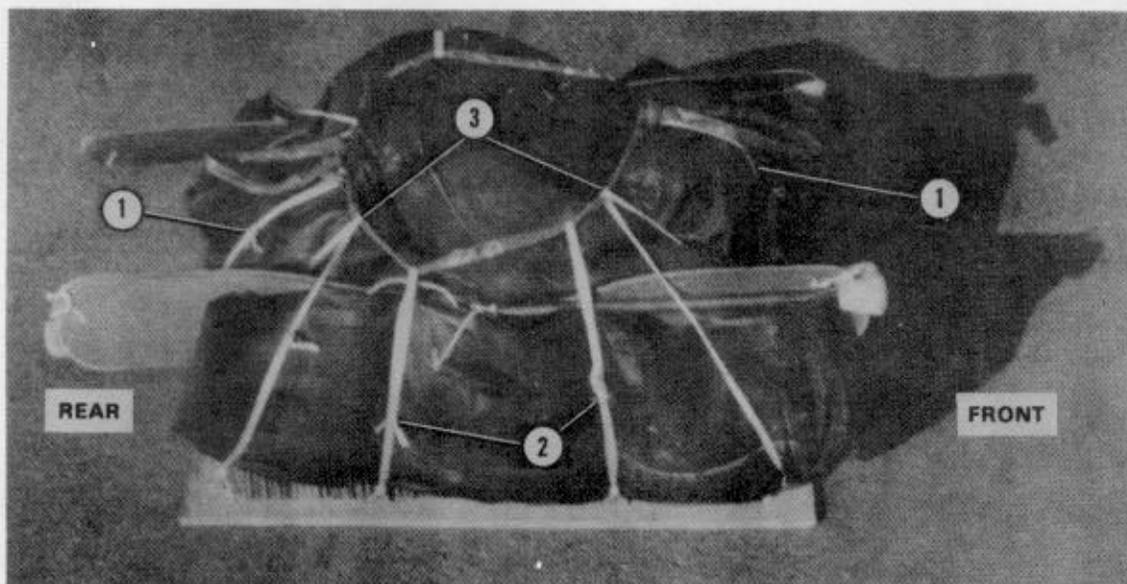


Figure 3-71. Boat and paddles stowed

**b.** Girth hitch the two 16-inch tiedown rings to the 30-inch tiedown ring on opposite sides.

**c.** Center the rings on the bundle with the 16-inch tiedown rings at the front and rear.

**d.** Lash the platform to the 30-inch tiedown ring as shown in Figure 3-72.

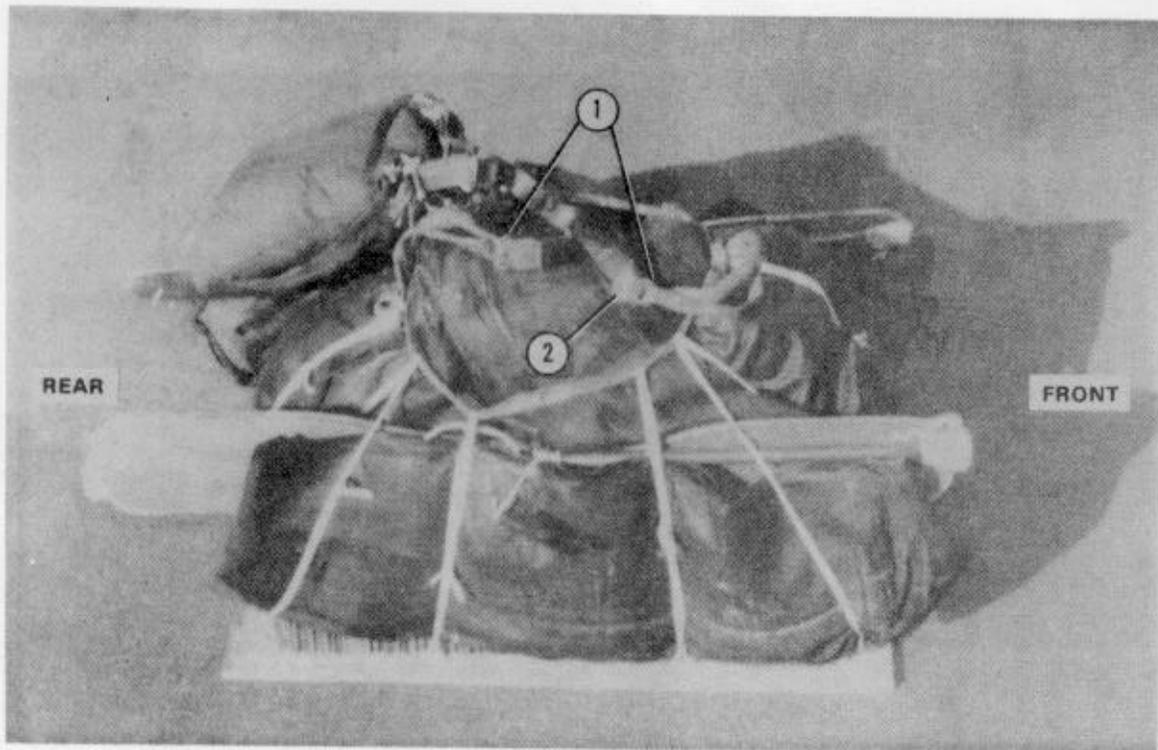


- ① Run the front and rear ties under the 16-inch (suspension) tiedown rings, under the 30-inch tiedown ring, and out through the centers of the girth hitches. Tie them with an intermediate loop as shown in Figure 3-21.
- ② Fold the sides of the boat upward, and secure them with the center two ties on each side.
- ③ Split the corner ties on either side of the paddles. Secure them to the 30-inch tiedown ring with an intermediate loop.

Figure 3-72. Boat lashed

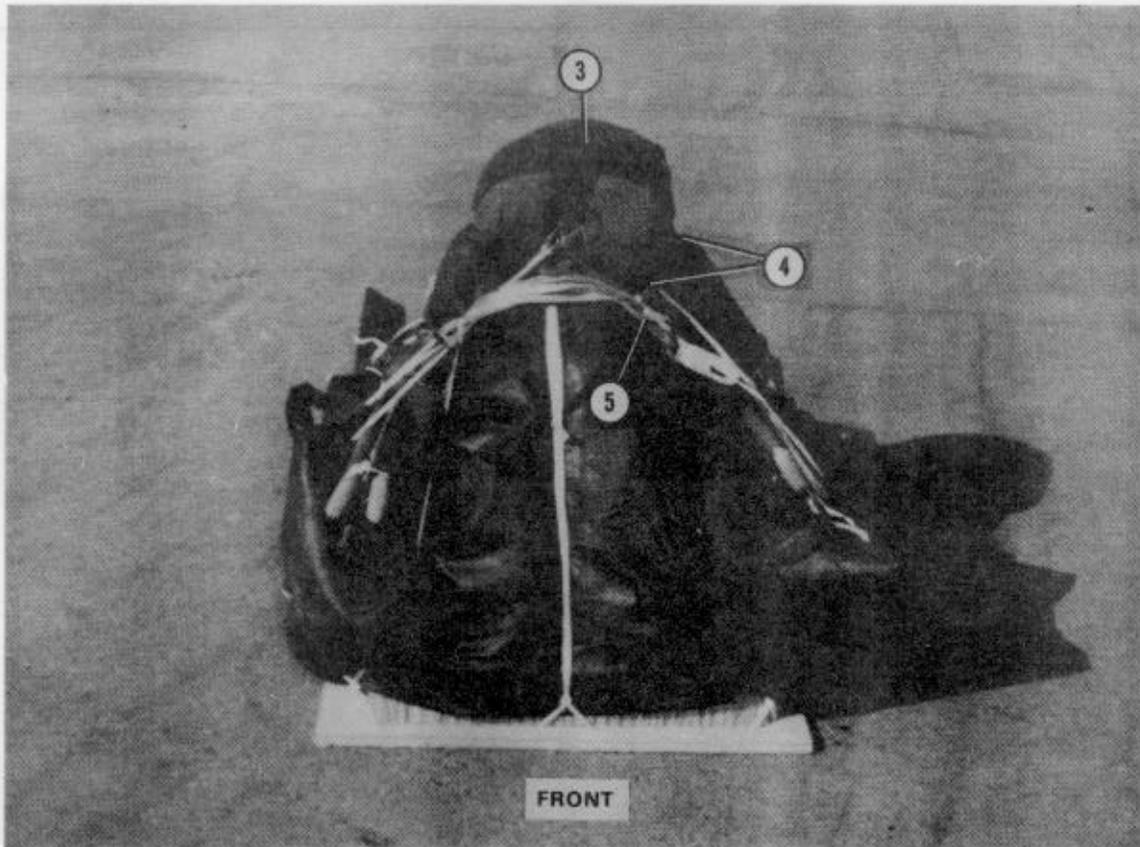
### 3-83. Stowing Parachute

Prepare a T-10 (modified) parachute according to FM 10-501/TO 13C7-1-11, and set it on top of the load as shown in Figure 3-73.



- ① Attach one T-10 (modified) riser to each small (suspension) tiedown ring with a small clevis. Be sure that the bell portion of the clevis contacts the suspension ring.
- ② Tape the clevises and parachute risers.

Figure 3-73. T-10 (modified) parachute stowed



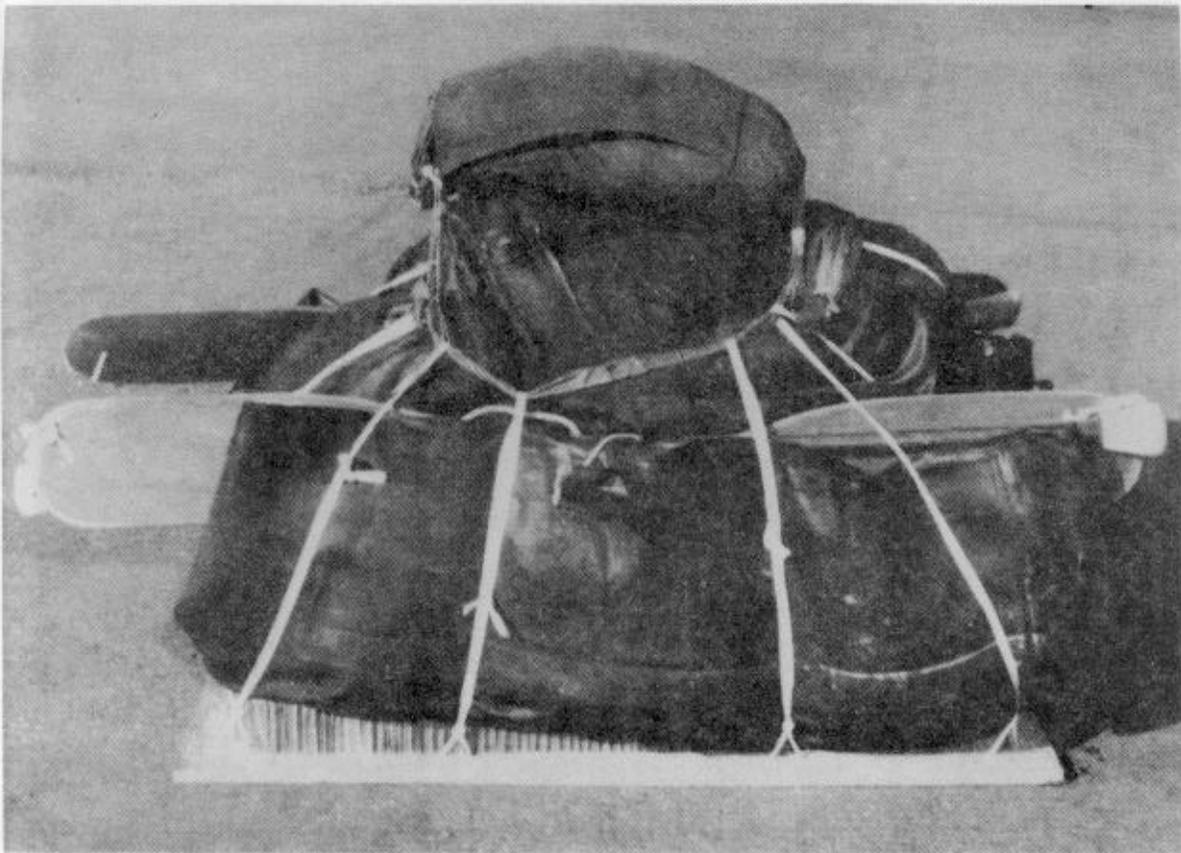
**NOTE: IF THE LOAD IS TO BE RIGGED FOR A MULTIPLE CONTAINER DROP, POSITION THE PARACHUTE SO THAT THE STATIC LINE FACES THE ANCHOR LINE CABLE. OTHERWISE, THE IBS MAY ONLY BE DROPPED FROM THE C-130 AS A SINGLE BUNDLE OFF THE RAMP.**

- ③ Set the parachute on the bundle so that the static line faces the front.
- ④ Tie the deployment bag to the 30-inch tiedown ring with ticket number 5 cotton thread.
- ⑤ Fold the static line, retaining the folds with retainer bands.

*Figure 3-73. T-10 (modified) parachute stowed (continued)*

**3-84. Marking Rigged Load**

Mark the rigged load according to FM 10-500/TO 13C7-1-5 and as shown in Figure 3-74.



NOTE: THE LOAD IS TO BE RIGGED FOR A MIRI-TYPE CONTAINER DROP POSITION. THE PARACHUTE SO THAT THE STATIC LINE FACES THE ANCHOR LINE CABLE. OTHERWISE THE IBS MAY ONLY BE DROPPED FROM THE C-130 AS A SINGLE BUNDLE ON THE GALLEY.

**RIGGED LOAD DATA**

Weight .....	475 pounds
Height .....	38 inches
Width .....	38 inches
Length .....	60 inches

*Figure 3-74. IBS bundle rigged for low-velocity airdrop*

**3-85. Equipment Required**

The equipment required to rig the IBS bundle is listed in Table 3-2.

**Table 3-2. Equipment required for rigging the IBS bundle**

National Stock Number	Item	Quantity
4030-00-360-0304	Clevis assembly, suspension, small, 5/8-in	2
4020-00-240-2146	Cord, nylon, type III, 550-lb	As required
1670-00-753-3928	Pad, energy-dissipating,	
No NSN	honeycomb, 3- by 36- by 96-in	1 sheet
5530-00-128-4981	Parachute, personnel, troop-back,	
7510-00-266-5016	35-ft diam, T-10, cargo-adapted	1
8310-00-194-4065	Plywood, 3/4- by 32- by 48-in	As required
8310-00-917-3945	Tape, adhesive, 2-in	As required
8305-00-082-5752	Thread, cotton, ticket number 5 or	As required
8305-00-268-2455	Thread, cotton, 8/7 cord	As required
	Webbing, nylon, tubular, 1/2-in	As required
	Webbing, nylon, tubular, 1-in	As required