Section III
RIGGING Z-BIRD BOAT

3-28. Description of Load

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

a. Z-bird Rubber Raiding Craft. This boat is rigged on a 75-by 144-inch SOCEP with a G-12C, G-12D, or G-12E cargo parachute. The boat weighs 211 pounds. When inflated, it is 75 inches wide, 180 inches long, and 18 inches high. The boat shown is powered by a 35-horsepower outboard engine that weighs 142 pounds with its 6-gallon fuel tank full. Six paddles weighing a total of 24 pounds are part of the boat's equipment.

NOTE: A 65-HORSEPOWER ENGINE IS THE LARGEST THAT MAY BE USED ON THIS LOAD.

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

3-29. Preparing Platform

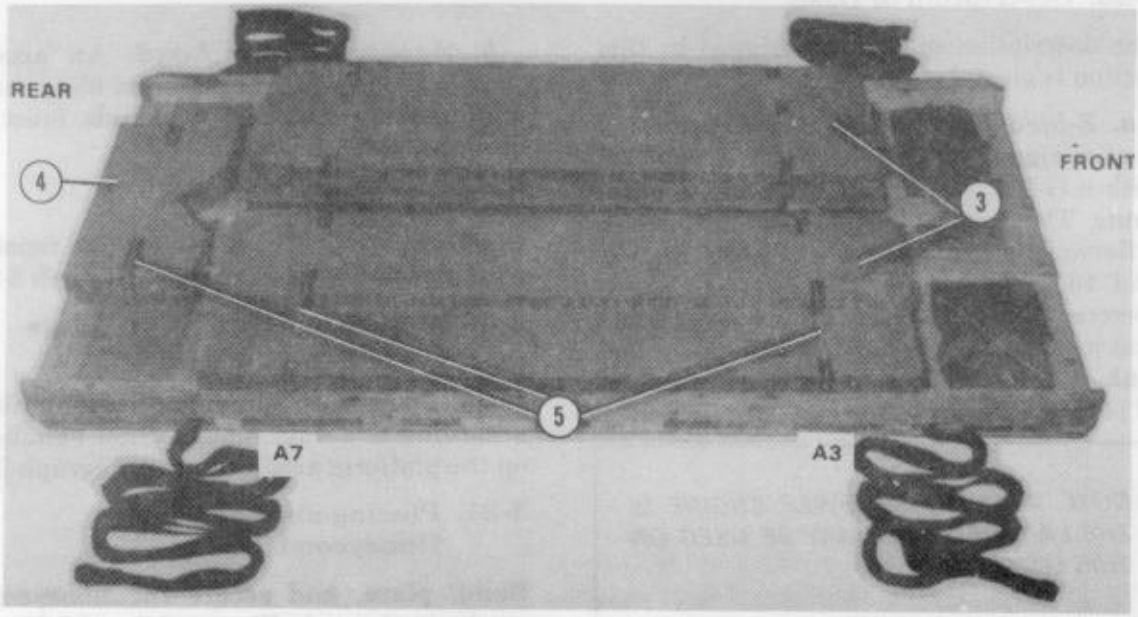
Build a new SOCEP, or inspect and repair a used platform, according to paragraph 3-2.

3-30. Installing Suspension Slings and Stowing Sandbags

Install four suspension slings on the platform according to paragraph 3-3. Stow sandbags on the platform according to paragraph 3-4.

3-31. Placing and Securing Honeycomb Stacks

Build, place, and secure the honeycomb stacks as shown in Figures 3-7 and 3-38.

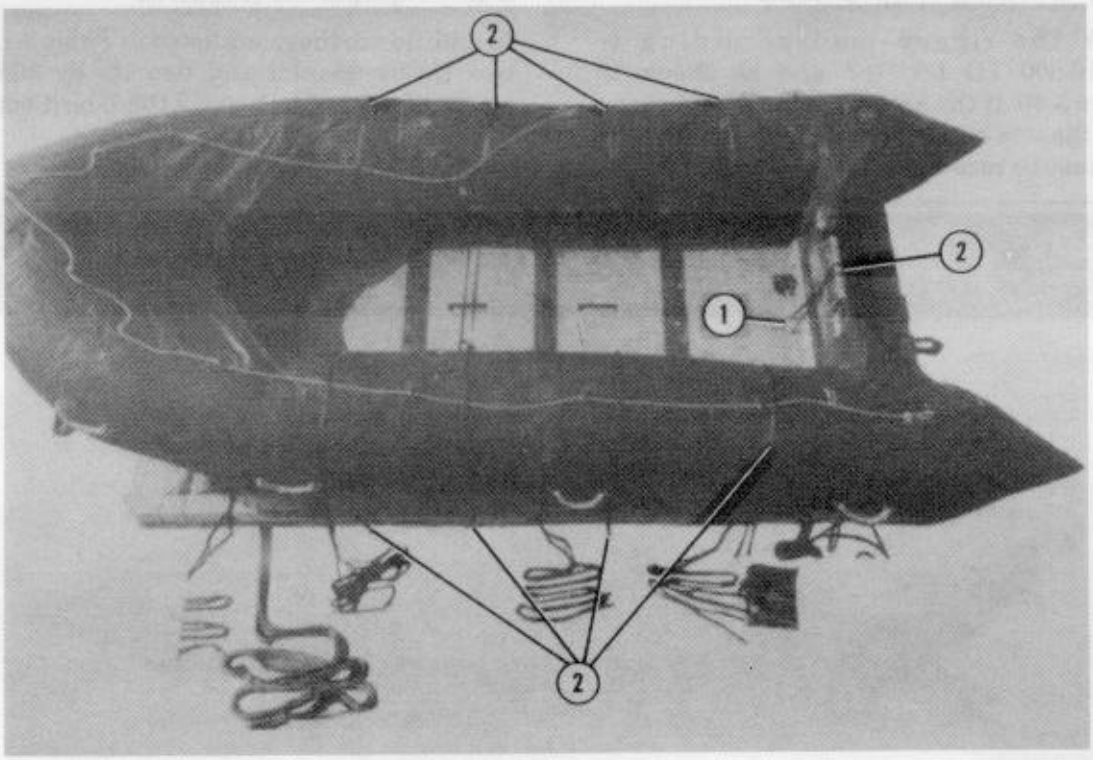


1. Position type III nylon cord on the platform as shown in steps 1, 2, and 3 of Figure 3-7. Run an additional length of type III nylon cord through spaces B8 and C8 (not shown).
2. Lay two 36- by 96-inch pieces of honeycomb on the platform as shown in Figure 3-7.
3. Glue an 18- by 96-inch piece of honeycomb 13 inches from the outside edge of each 36- by 96-inch piece.
4. Flush fit and glue two 18- by 36-inch pieces of honeycomb together. Cut a vee 6 inches deep and 16 inches wide from the center of the 36-inch side. Center this stack on the rear of the platform 3 inches from the platform edge with the vee facing the front of the platform.
5. Tie the honeycomb stacks in place with the type III nylon cord placed in step 1. Use tape under the type III nylon cord to prevent the cord from cutting the honeycomb.

Figure 3-38. Honeycomb prepared for Z-bird boat

3-32. Preparing Boat

Inflate the boat, and install the in-boat tiedowns as shown in Figures 3-8 and 3-39.



CAUTION: PERFORM STEPS 1 AND 2 BEFORE INSTALLING THE FLOOR PANELS.

(1) Drill two 1/2-inch holes in the center rear of the rear floor panel in addition to the holes drilled in Figure 3-8.

(2) Run a length of 1/2-inch tubular nylon webbing through the holes. Tie the ends of the webbing together with a square knot and an overhand knot in the running ends.

(3) Tie chemical lights to the bow tie inside the boat and to the center side carrying handles with 80-pound cotton webbing if dictated by mission requirements (not shown).

Figure 3-39. In-boat tiedowns installed

3-33. Positioning Boat

Position the boat on the platform with the transom even with the front of the honeycomb.

3-34. Rigging Boat

Adapt the procedures in Section I to load and completely rig the Z-bird boat.

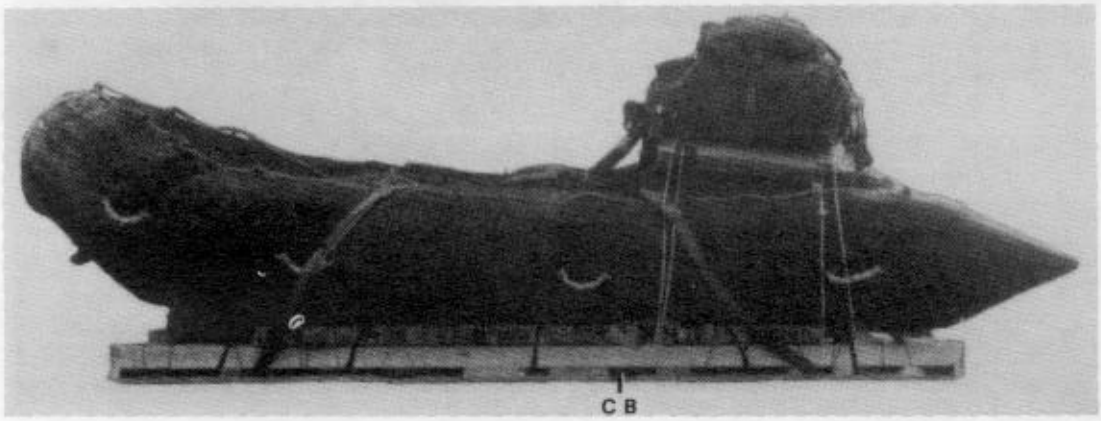
3-35. Marking Rigged Load

Mark the rigged load according to FM 10-500/TO 13C7-1-5 and as shown in Figure 3-40. If the accompanying load varies from the one shown, the weight, height, and CB must be recomputed.

3-36. Equipment Required

In addition to the items listed in Table 3-1, use two 18- by 96-inch and two 18- by 36-inch pieces of honeycomb to rig the Z-bird boat.

CAUTION: MAKE THE FINAL RIGGER INSPECTION REQUIRED BY FM 10-500/TO 13C7-1-5 BEFORE THE LOAD LEAVES THE RIGGING SITE.



RIGGED LOAD DATA

Weight		2,470 pounds
Height		60 inches
Width		75 inches
Length		184 inches
Overhang:	Front	17 inches
	Rear	23 inches
CB (from front edge of platform)		60 inches

Figure 3-40. Z-bird rubber raiding craft fully rigged