

Section V
RIGGING ZODIAC K50 BOAT

3-49. Description of Load

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

a. Inflated Zodiac K50 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

80 pounds. When inflated, it is 82 inches wide, 195 inches long, and 29 inches high. The boat shown is powered by a 35-horsepower outboard engine that weighs 216 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 50-HORSEPOWER ENGINE IS THE LARGEST THAT MAY BE USED ON THIS BOAT.

b. Accompanying Load. An accompanying load weighing at least 450 pounds but no more than 850 pounds must be dropped with the boat.

3-50. Preparing Platform

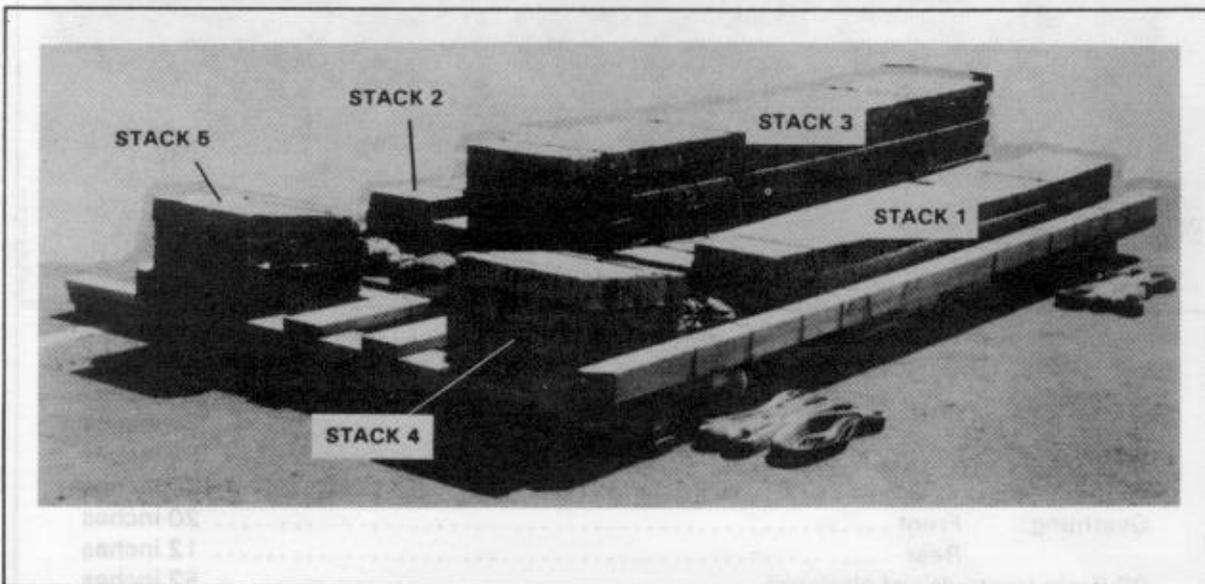
Build a new SOCEP, or inspect and repair a used platform, according to paragraph 3-2.

3-51. 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.

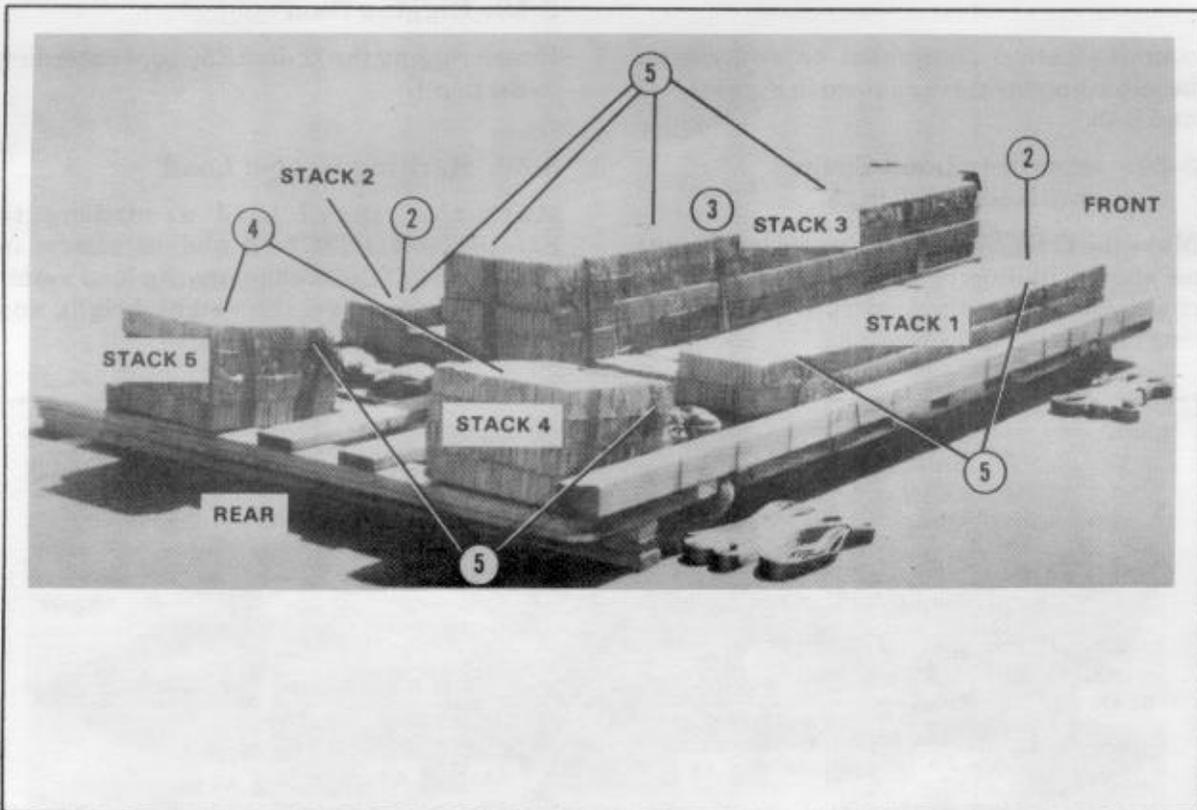
3-52. Placing and Securing Honeycomb Stacks

Build, place, and secure the honeycomb stacks as shown in Figures 3-51 and 3-52.



Stack Number	Pieces	Width (Inches)	Length (Inches)	Instructions
1	1	24	96	Stack the 12-inch-wide piece on top and flush with one side of the 24-inch-wide piece.
2	1	12	96	
3	6	18	96	Stack side-by-side and flush to form a stack 108 inches long.
4	6	18	12	
5	4	18	18	Stack flush.
	Same as stack 4.			

Figure 3-51. Honeycomb stacks for the Zodiac K50 boat prepared



- ① Position lengths of type III nylon cord on the platform as shown in Figure 3-42, steps 1, 2, and 3.
- ② Place stacks 1 and 2 along the right and left platform rails 12 inches from the front edge of the platform as shown.
- ③ Center stack 3 between stacks 1 and 2, placing it 6 inches from the front edge of the platform.
- ④ Set stacks 4 and 5 flush with the rear edge of the platform and the right and left rails.
- ⑤ Tie the stacks in place with the pre-positioned type III nylon cord from step 1. Use tape under the ties to keep the cord from cutting the honeycomb.

Figure 3-52. Honeycomb stacks for the Zodiac K50 boat placed and secured

3-53. Preparing Boat

Inflate the boat, and install the in-boat tiedowns as shown in Figures 3-43 and 3-44.

3-54. Positioning Boat

Center the boat on the platform with the transom 8 inches from the front edge of the platform.

3-55. Preparing and Stowing Outboard Engine and Fuel Tanks

Prepare the outboard engine and fuel tanks as outlined in paragraph 3-9. Stow the engine and fuel tanks as shown in Figure 3-46.

3-56. Stowing Load and Paddles

Load and secure rucksacks and weapons as outlined in paragraph 3-10. Load and secure

communication equipment or underwater breathing apparatus as shown in Figures 3-47 and 3-48.

3-57. Installing Load Cover and Tiedown Rings

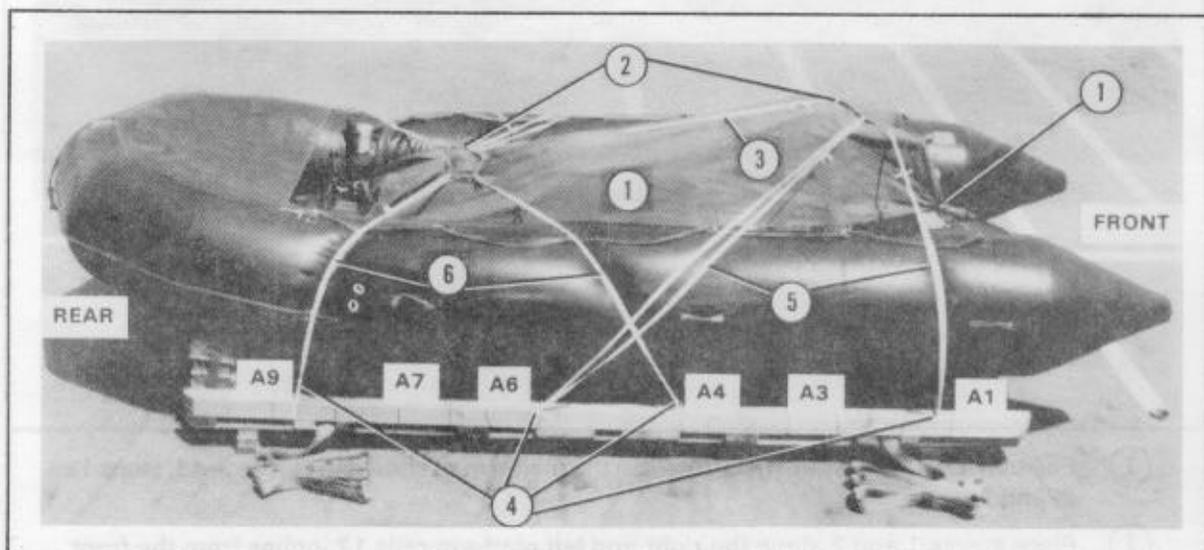
Make the three nylon webbing tiedown rings as shown in Figure 3-12. Install the load cover, and secure the load with the tiedown rings as shown in Figure 3-53.

3-58. Rigging Boat

Finish rigging the Zodiac K50 boat according to Section I.

3-59. Marking Rigged Load

Mark the rigged load according to FM 10-500/TO 13C7-1-5 and as shown in Figure 3-54. If the accompanying load varies from the one shown, the weight, height, and CB must be recomputed.



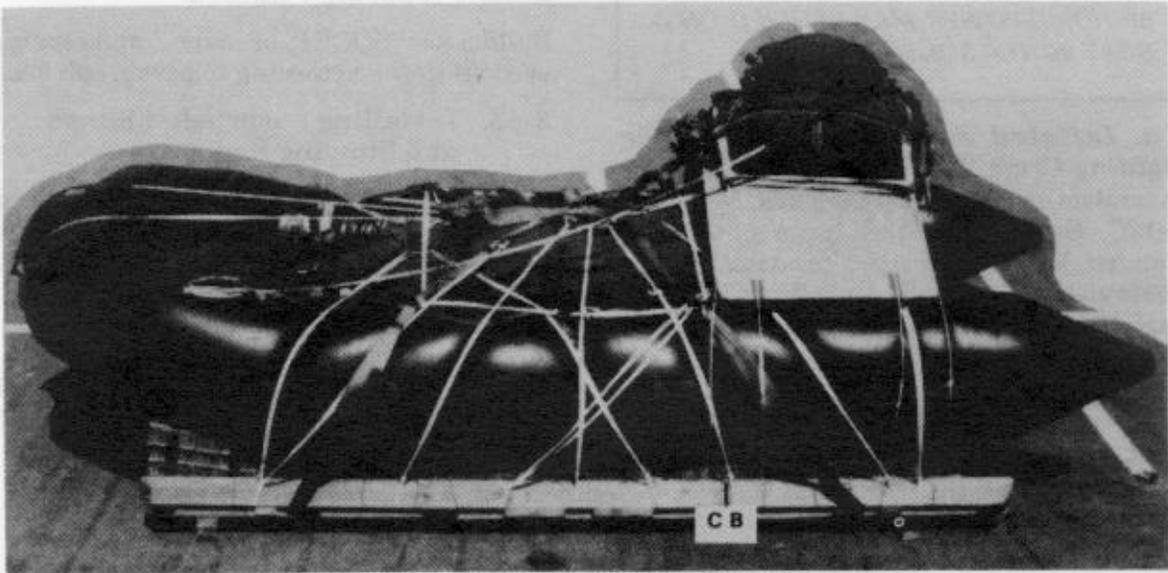
- ① Cover the engine, the fuel tanks, and the rest of the load with a 6- by 12-foot piece of canvas. Tie the corners of the canvas to convenient points on the boat with type III nylon cord.
- ② Set a two-ply tiedown ring on each end of the load cover. Center the front ring over the engine power section housing. Center the rear ring over the load about 18 inches from the rear edge of the load cover.
- ③ Tie the rings together with a length of 1/2-inch tubular nylon webbing.
- ④ Tie 14-foot lengths of 1/2-inch tubular nylon webbing to platform tiedown spaces A1, D1, A4, D4, A6, D6, A9, D9, and around B1 and C1.
- ⑤ Tie the webbing from spaces A1, D1, A6, D6, B1, and C1 to the front tiedown ring.
- ⑥ Tie the webbing from spaces A4, D4, A9, and D9 to the rear tiedown ring.
- ⑦ Tie additional 14-foot lengths of 1/2-inch tubular nylon webbing to tiedown spaces A1, D1, A3, D3, A5, D5, A7, D7, A9, D9, and around B8 and C8 (not shown).
- ⑧ Place and secure the center four-ply tiedown ring as shown in Figure 3-49.

Figure 3-53. Load and load cover secured

3-60. Equipment Required

In addition to the items listed in Table 3-1, use six 12- by 18-inch pieces of honeycomb, eight 18- by 18-inch pieces of honeycomb, six 18- by 96-inch pieces of honeycomb, and one 24- by 36-inch piece of honeycomb.

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	2,218 pounds
Height	70 inches
Width	82 inches
Length	194 inches
Overhang: Front	25 inches
Rear	25 inches
CB (from front edge of platform)	52 inches

Figure 3-54. Zodiac K50 rubber raiding craft fully rigged