

Section II

RIGGING ZODIAC MARK III FUTURA BOAT

3-19. Description of Load

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

a. Inflated Zodiac Mark III Futura 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 250 pounds. When inflated, it is 75 inches wide, 185 inches long, and 26 inches high. The boat shown is powered by a 35-horsepower outboard engine that weighs 216 pounds with two filled 6-gallon fuel tanks. 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 650 pounds

but no more than 1,170 pounds must be dropped with the boat.

3-20. Preparing Platform

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

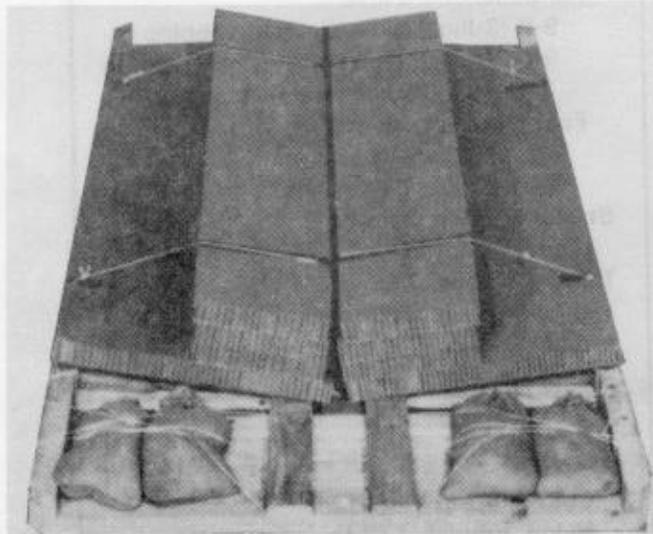
3-21. Installing Suspension Slings and Stowing Sandbags

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

3-22. Placing and Securing Honeycomb Stacks

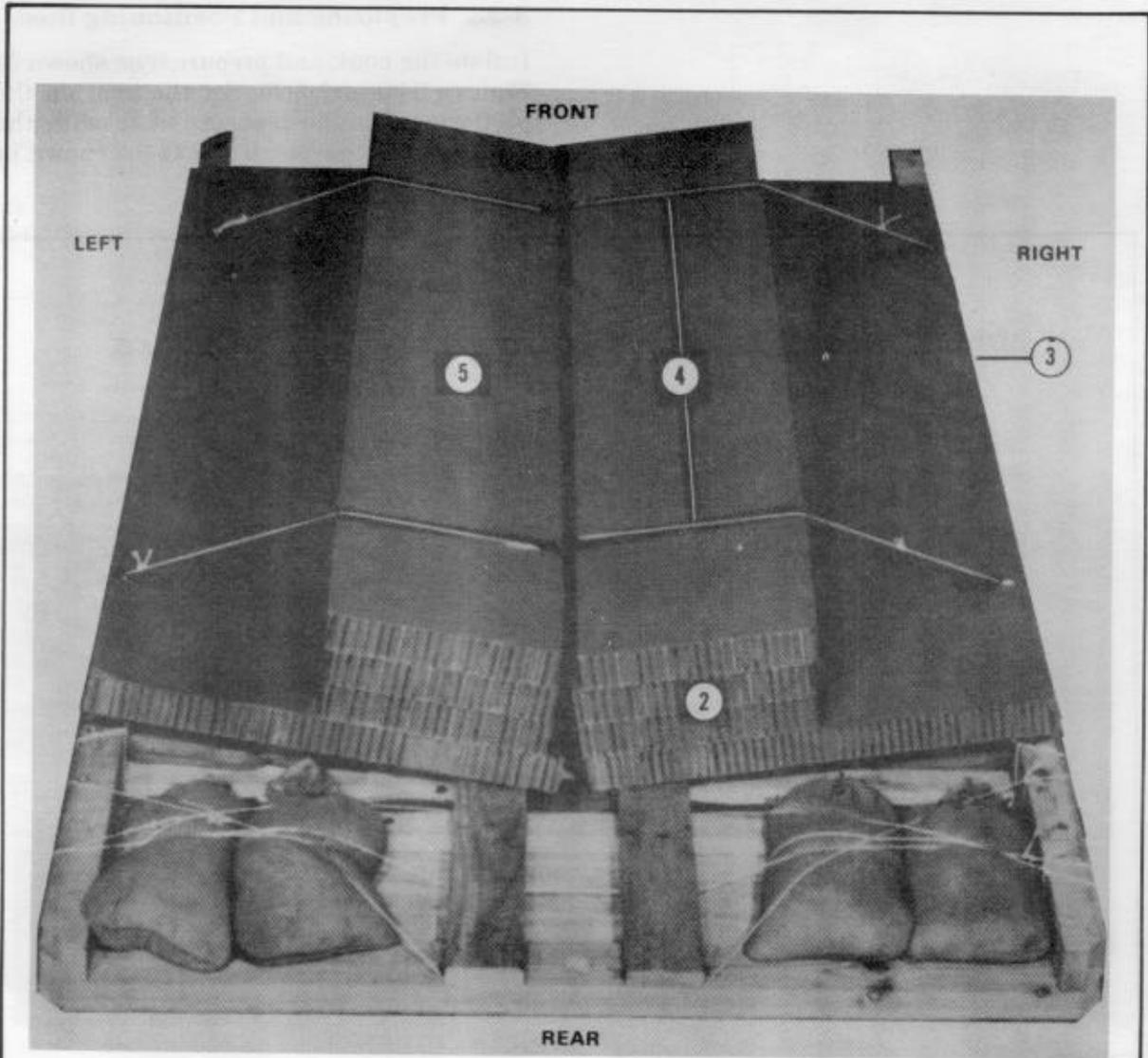
Build, place, and secure two honeycomb stacks as shown in Figure 3-34.

NOTE: USE TAPE UNDER THE TYPE III NYLON CORD TIES TO PREVENT THE CORD FROM CUTTING THE HONEYCOMB.



① Position four lengths of type III nylon cord as shown in Figure 3-7, steps 1, 2, and 3.

Figure 3-34. Honeycomb prepared, positioned, and secured for Zodiac Mark III Futura boat



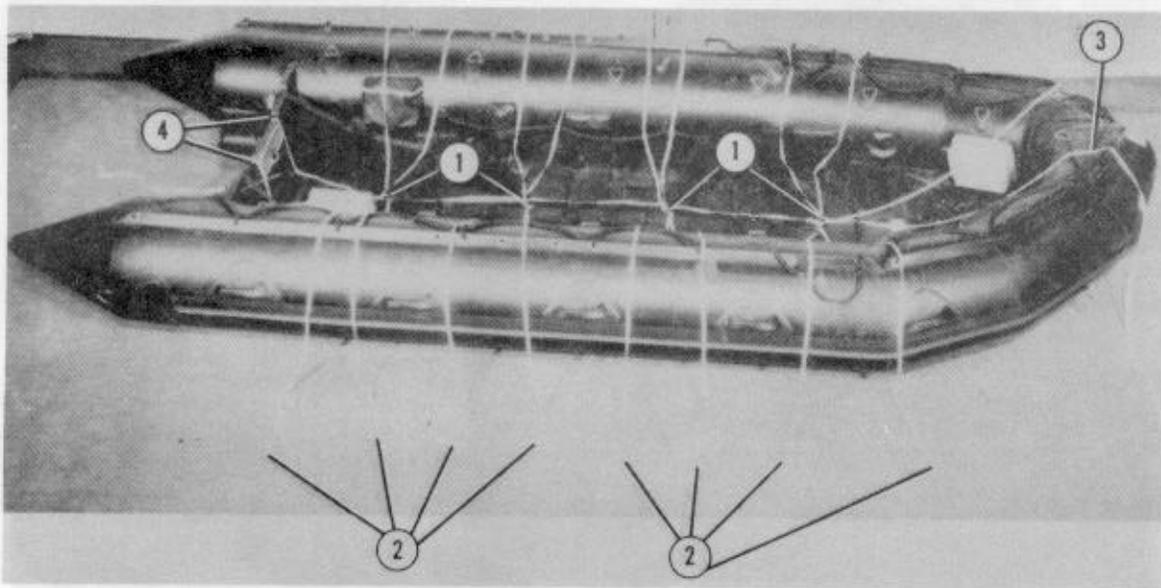
- ② Glue three 16- by 96-inch pieces of honeycomb together and then glue this stack to a 36- by 96-inch piece of honeycomb (even with the 96-inch side).
- ③ Center this honeycomb stack on the right side of the platform with its right edge flush with the right edge of the platform.
- ④ Tie the honeycomb stack in place with the lengths of type III nylon cord placed on the right side in step 1.
- ⑤ Build a second honeycomb stack as described in step 2. Tie it in place on the left side of the platform in the same way.

Figure 3-34. Honeycomb prepared, positioned, and secured for Zodiac Mark III Futura boat (continued)

3-23. Preparing and Positioning Boat

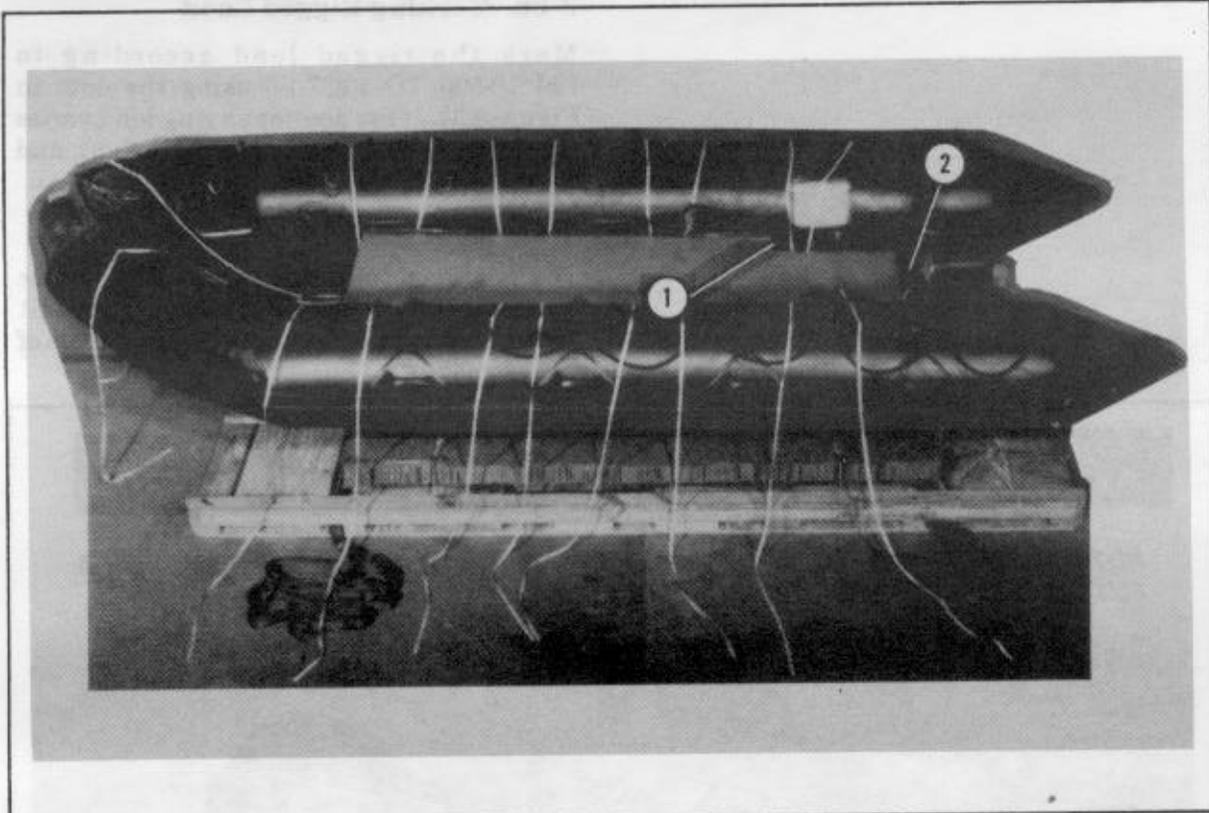
Inflate the boat, and prepare it as shown in Figures 3-35 and 3-36. Set the boat on the platform with the transom even with the front of the honeycomb stacks (as shown in Figure 3-36).

NOTE: TIE THE GIRTH HITCH KNOT ACCORDING TO FM 10-500/TO 13C7-1-5.



- ① Tie two 12-foot lengths of 1/2-inch tubular nylon webbing to each center tiedown ring with a girth hitch knot.
- ② Lay both ends of one tie from each tiedown ring across one side of the boat. Lay the ends of the second tie across the opposite side of the boat.
- ③ Tie a 14-foot length of 1/2-inch tubular nylon webbing to the front center tiedown ring with a girth hitch knot. Lay the ends of the tie over the bow.
- ④ Tie a 14-foot length of 1/2-inch tubular nylon webbing to the rear center tiedown ring with a girth hitch knot. Lay the ends of the tie over the transom.

Figure 3-35. In-boat tiedowns installed



- ① Cut a 4- by 24-inch piece of honeycomb from both sides of the same end of a 36- by 96-inch piece of honeycomb.
- ② Tape both edges of the honeycomb on all sides and both ends. Lay the honeycomb in the boat with the cutout end against the transom.
- 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 3-36. Honeycomb for engine and load stowage positioned

3-24. Stowing Boat Equipment and Accompanying Load

An accompanying load weighing at least 650 pounds but no more than 1,170 pounds must be dropped with the boat. Adapt procedures in paragraphs 3-8, 3-9, and 3-10 to stow the boat equipment and accompanying load.

3-25. Rigging Boat

Adapt the procedures in Section I to finish rigging the Zodiac Mark III Futura boat.

3-26. Marking Rigged Load

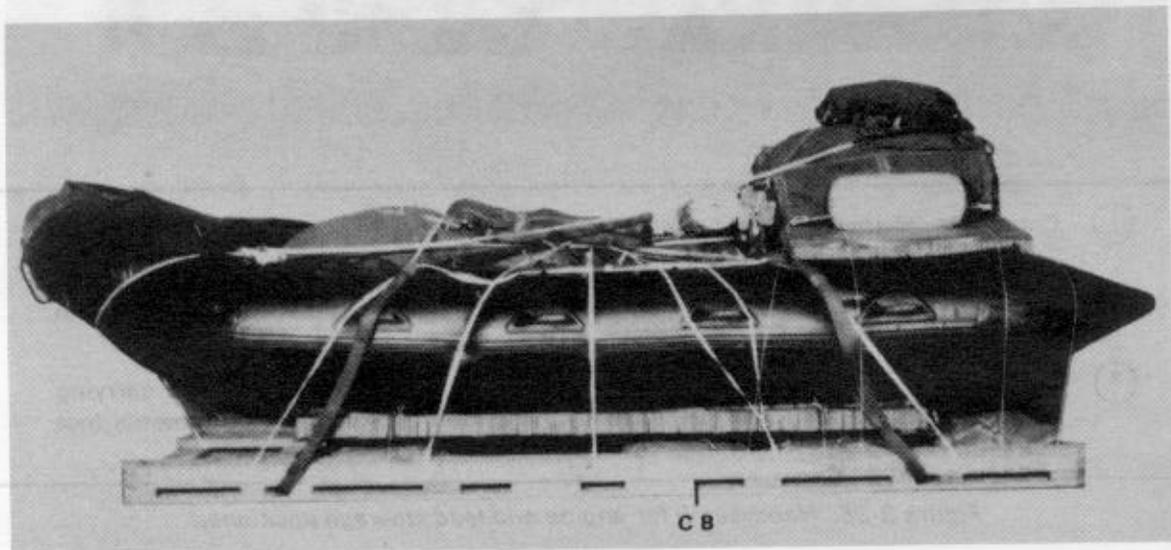
Mark the rigged load according to FM 10-500/TO 13C7-1-5 using the data in Figure 3-37. If the accompanying load varies from the one shown, the weight, height, and CB must be recomputed.

3-27. Equipment Required

The equipment required to rig the Zodiac Mark III Futura boat is listed in Table 3-1 with an addition of six 16- by 96-inch pieces of honeycomb.

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

NOTE: FOR TRAINING DROPS, TIE A FLOAT TO THE G-12 DEPLOYMENT BAG AND A FLOAT TO THE CARGO PARACHUTE RELEASE.



RIGGED LOAD DATA

Weight	2,440 pounds
Height	67 inches
Width	75 inches
Length	185 inches
Overhang: Front	18 inches
Rear	23 inches
CB (from front edge of platform)	60 inches

Figure 3-37. Zodiac Mark III Futura rubber raiding craft fully rigged