U.S. Navy Patrol Craft Fast (PCF)
aka “Swift Boat ” Specifications

Type: 50 Foot Fast Patrol Boat
Manufacturer: Stewart Seacraft Inc, Berwick, Louisiana
Design: Length: 50' 1.5" • Width: 13' 16.5"
Speed: 32 knots
Draft: 16' 9" (from skegs to top of nav post)
Crew: Six (1 Officer and 5 Sailors)

Propulsion:
2 x General Motors 12V71"N" Detroit Marine Diesels
2 x SM-118 Hydraulic Marine Clutch with 1.15:1 reduction gears
2 x Counter-rotating Screws

Electronics:
1 x Decca D202 X-band Surface Search Radar
1 x Raytheon DE176A Fathometer
1 x AN/URC-58 Single Side Band (SSB) Radio
1 x AN/VRC-46 FM Radio
1 x AN/PRC-10/25 FM Radio

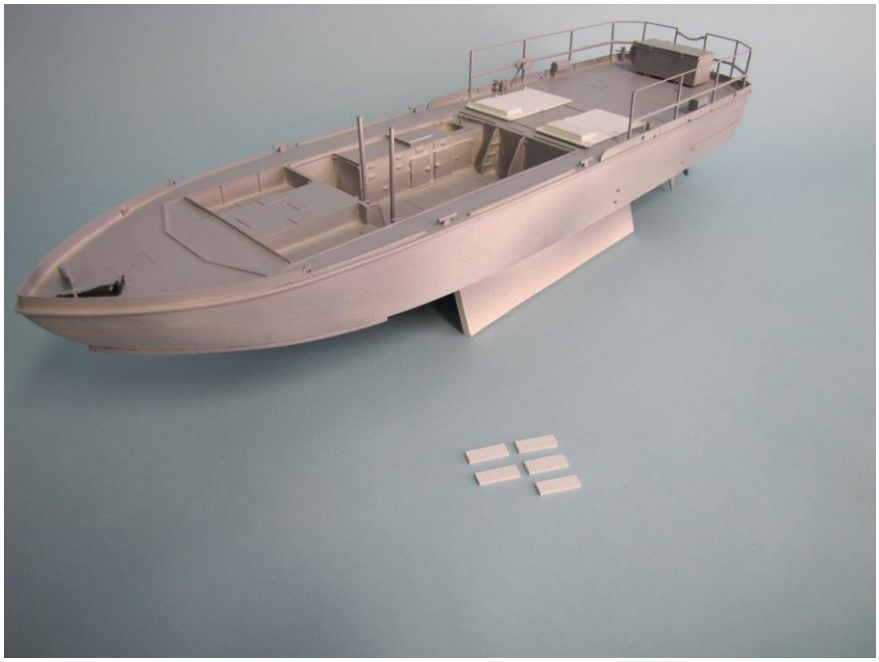
Armament:
2 x M2HB Browning machine guns on a Mark 17/Mod 1 ring mount
1 x 81mm Mark 2/Mod 0 mortar with an M2HB mounted on top
1 x Mark 19, 40mm, belt-feed, grenade launcher (after Nov 1969)
Various crew member weapons - to include M-60 machine guns, M-79 Grenade launchers, M-14 or M-16 rifles, 12 gauge Ithaca riot gun, .38 caliber or .45 caliber pistols, various types of hand grenades, and a very pistols (flare gun)

Paint Scheme:
Original: Haze gray overall - factory applied color
Vietnam: Deck gray with varying amounts of black added, white mortar box lid and a large white star, in a blue circle, on the pilot house roof
Vietnam Riverine Operations: Dull green with black camouflage patterns (authorized in May 1970)

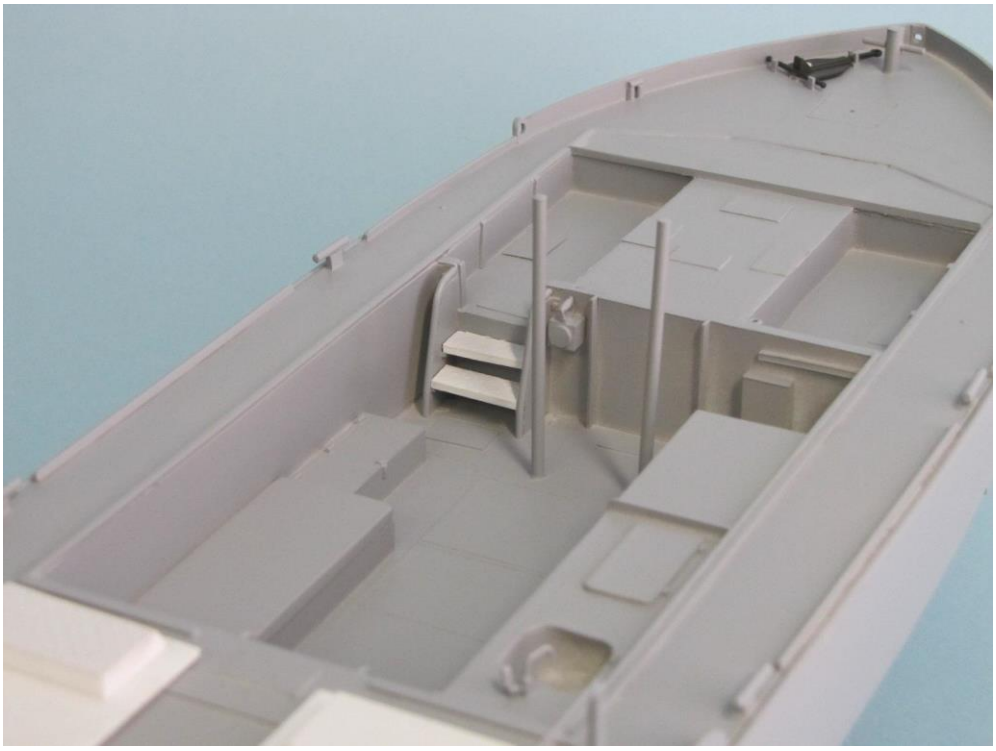
Background:
In early June 1965, the Navy did not have any suitable patrol boats that were fast and could carry heavy weapons for a counterinsurgency in South Vietnam. To fill the void the Navy developed a 50-foot “Swift” design adapted from an all-metal crew boat, which was used to support offshore drilling in the Gulf of Mexico. The Navy contracted Stewart Seacraft to build approximately 125 Swift boats during the war. These boats were designated as the Patrol Craft Fast (PCF) and operated successfully along the coast and inland waterways of South Vietnam.

Using supplied styrene rod, fashion the railings as shown in the image above.

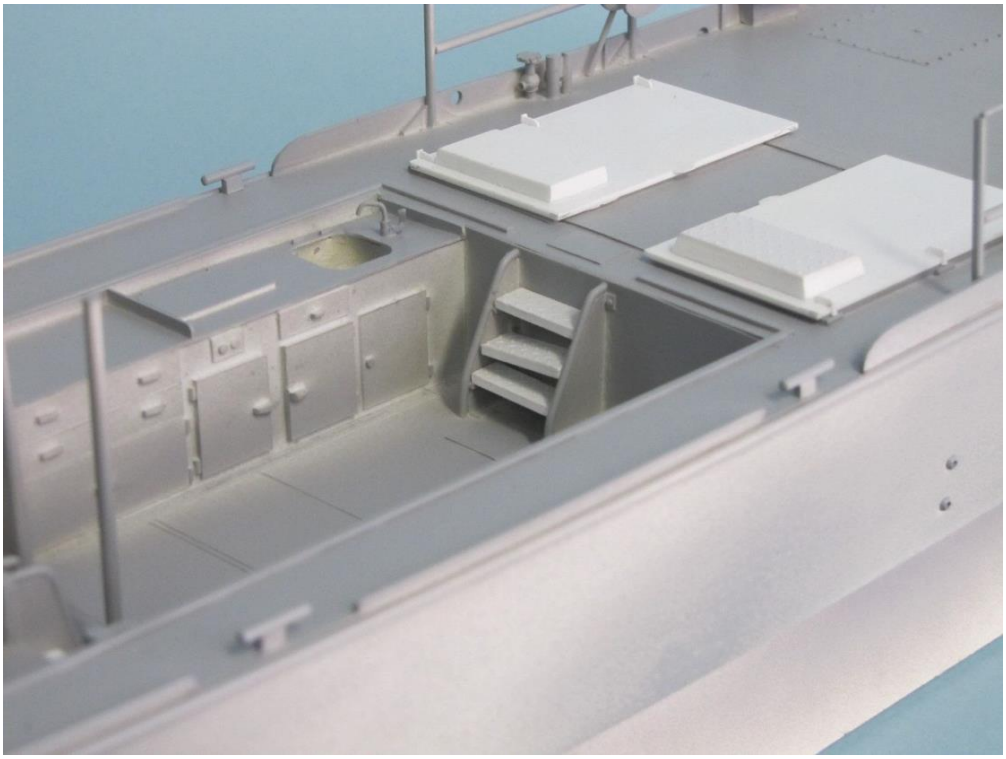
There are a total of five cast stair treads for the interior of the craft that lead down into the crew cabin.



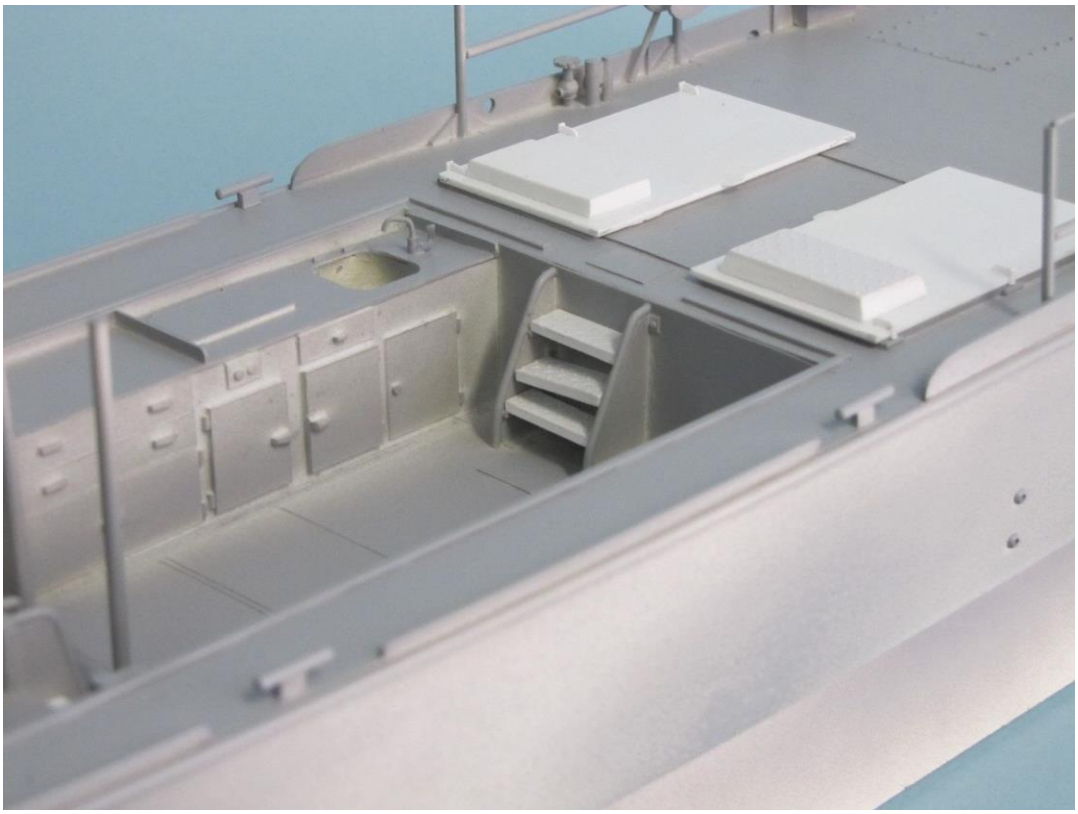
The forward step location is seen in the following image.



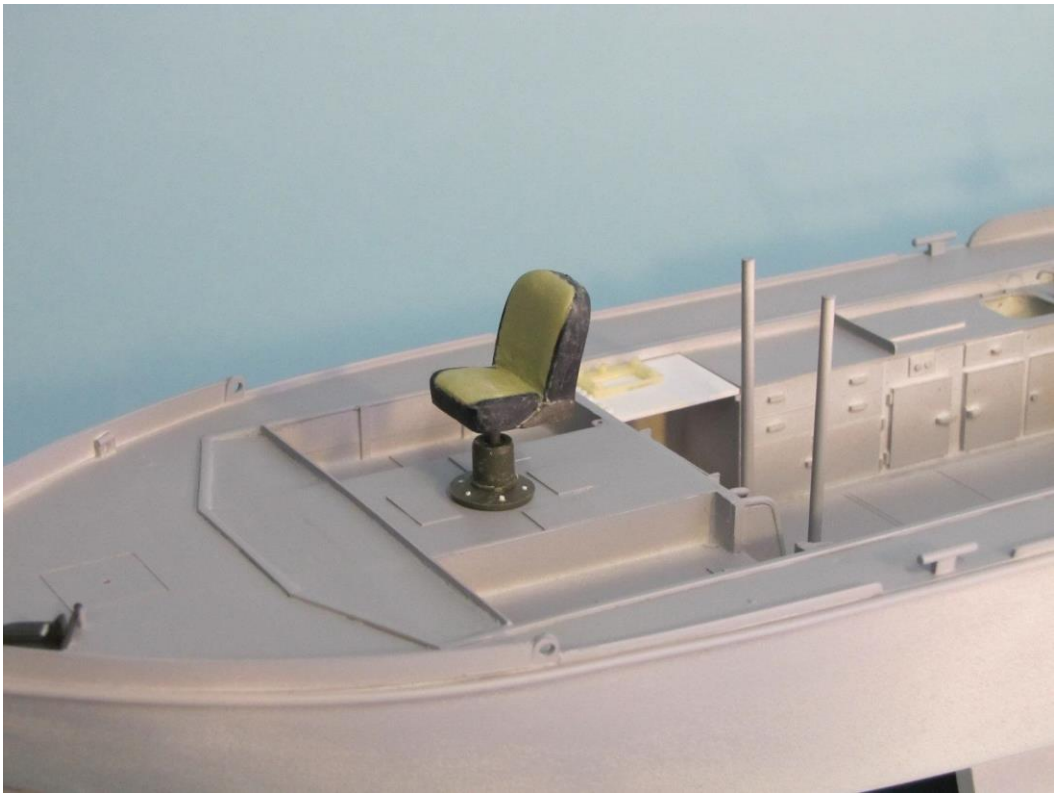
The rear cabin stairs to be installed as shown. Note the port side engine hatch has Non-slip tread plate.



There are two chairs, only the helmsman’s chair has arms.



The position of the helmsman’s chair. Note: This chair needs arms installed.



Position of the radioman chair. Note: Chair has no arms.

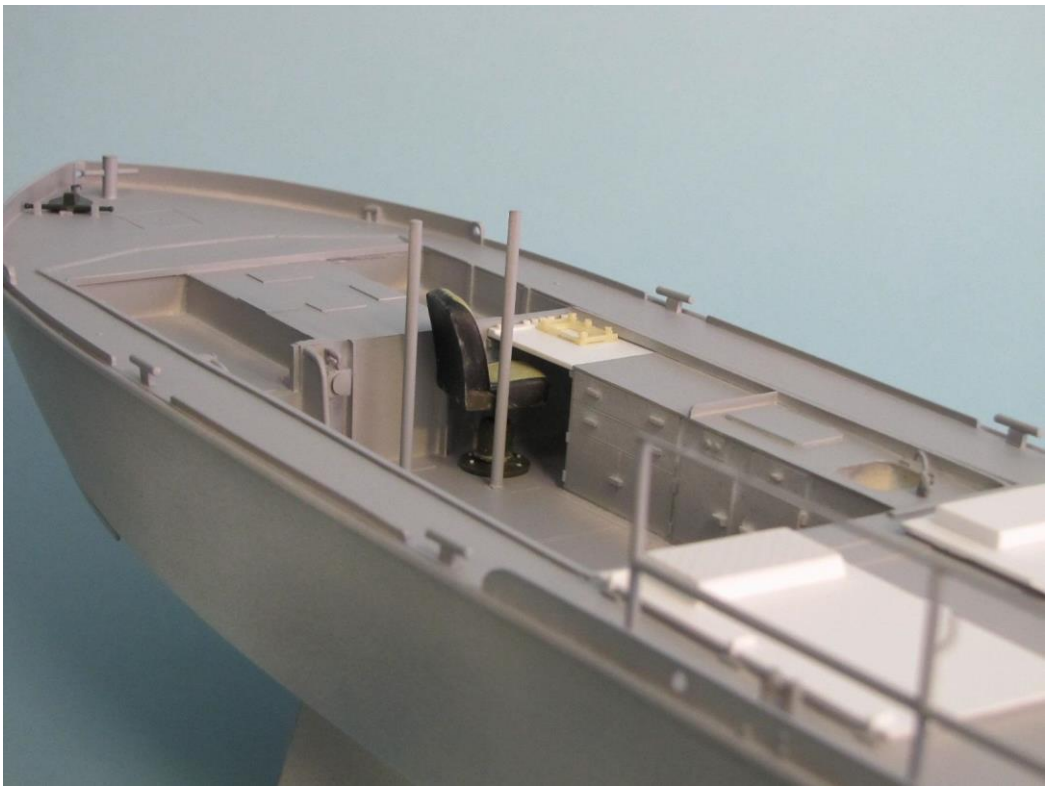
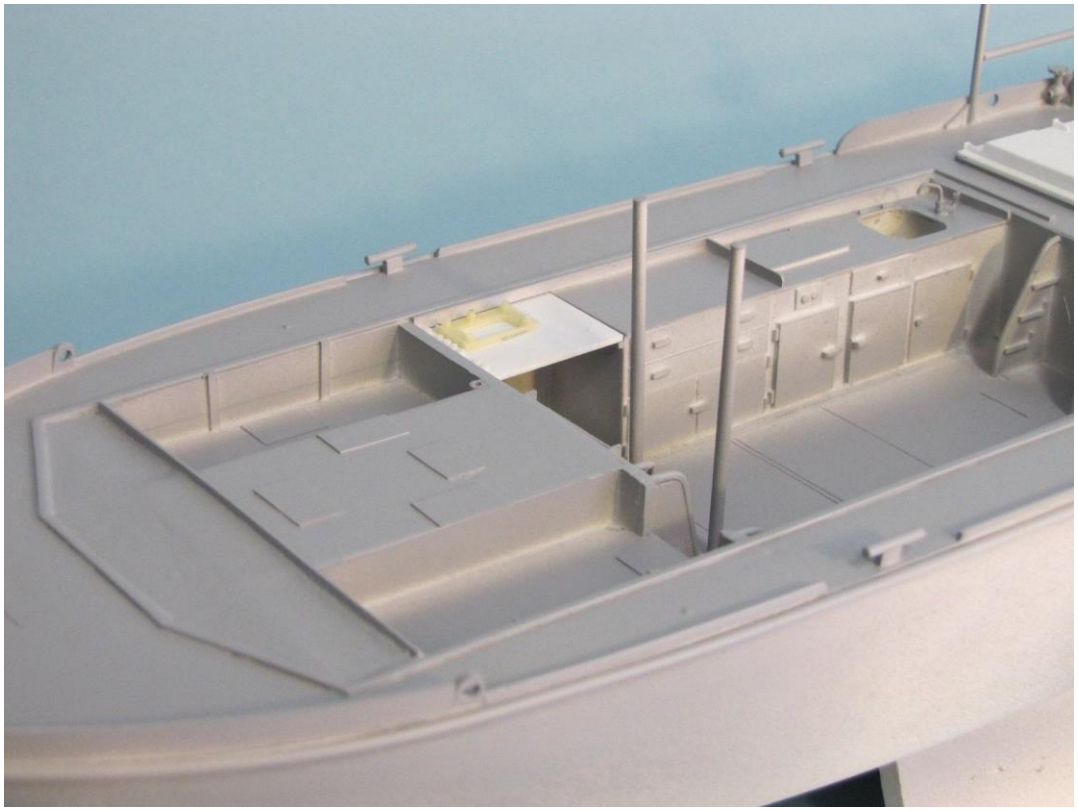
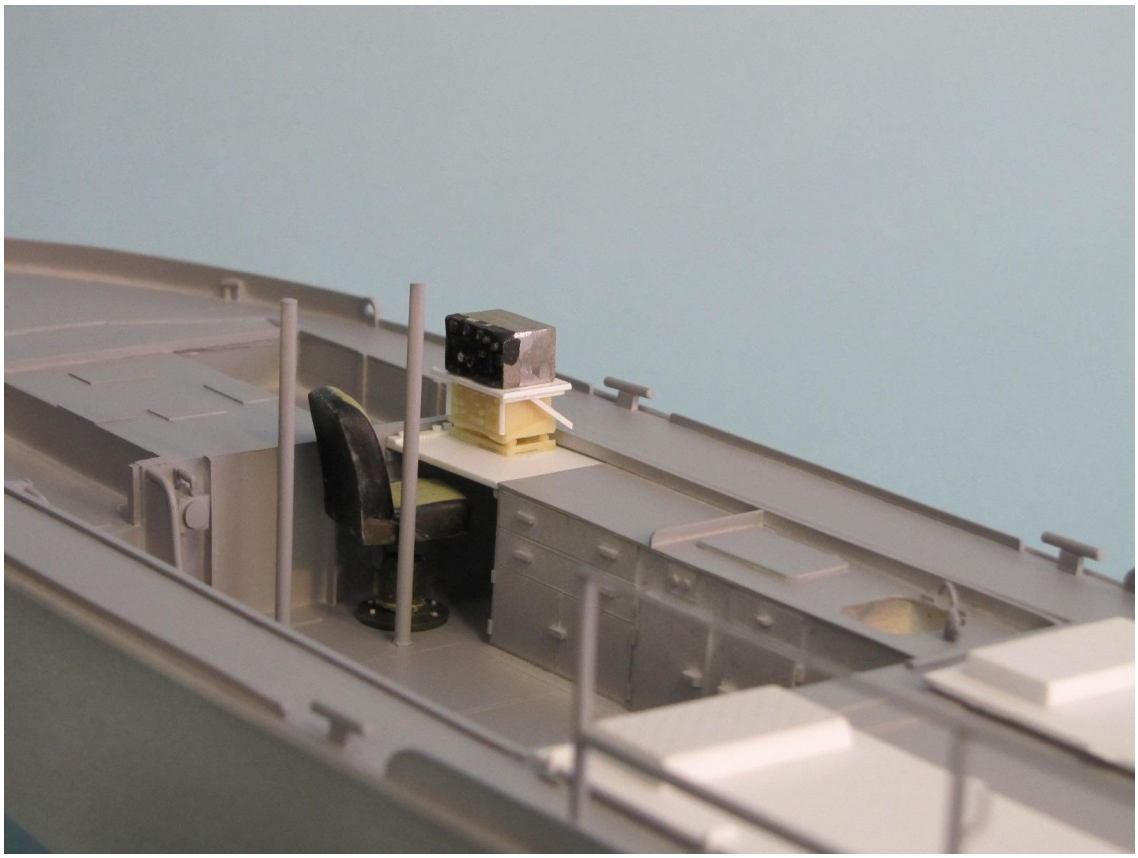


Chart table position:

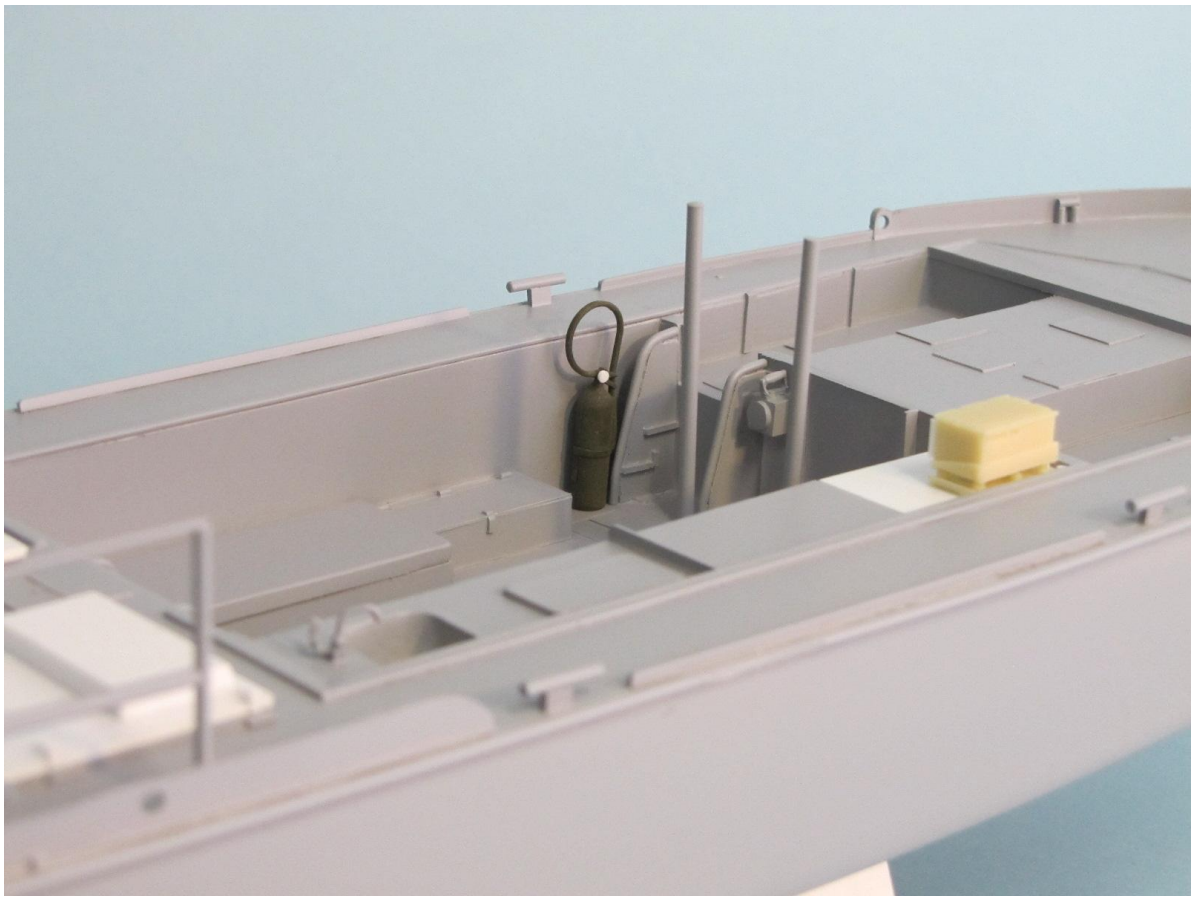


Radio and radio shelf position. Note that the radio shelf will be glued to the cabin wall.

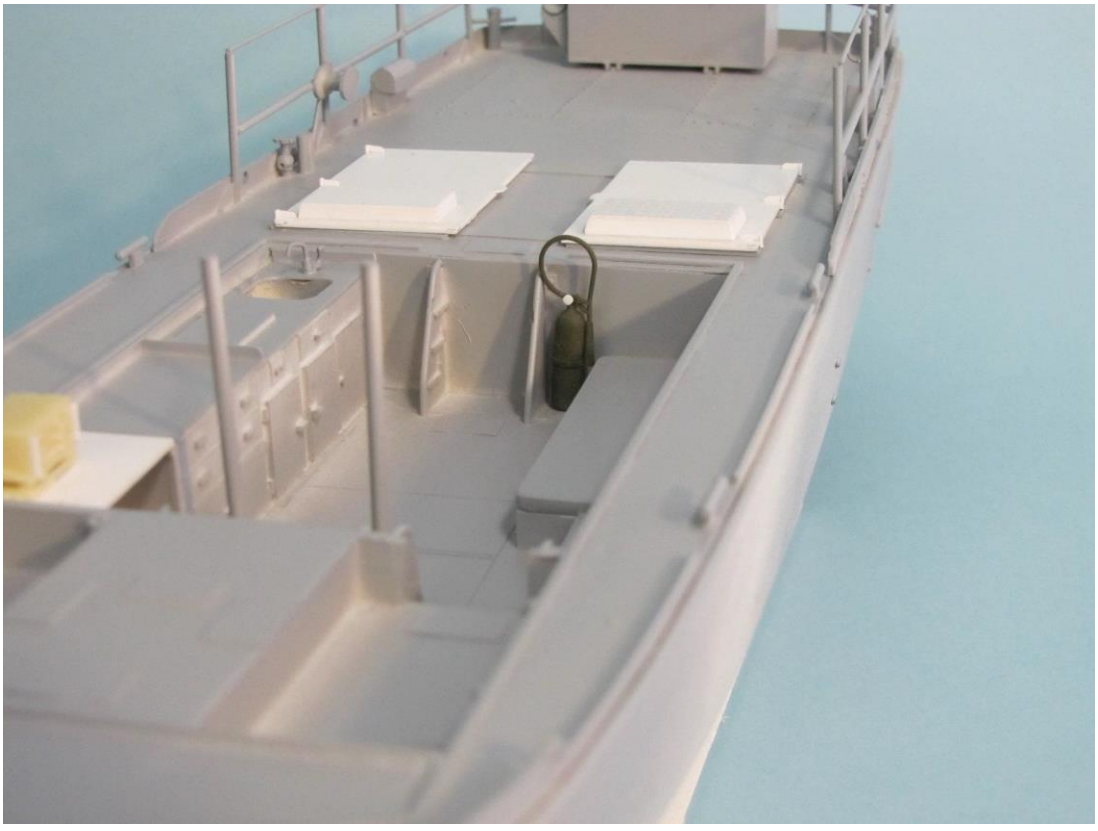


There are two fire extinguishers as shown here.

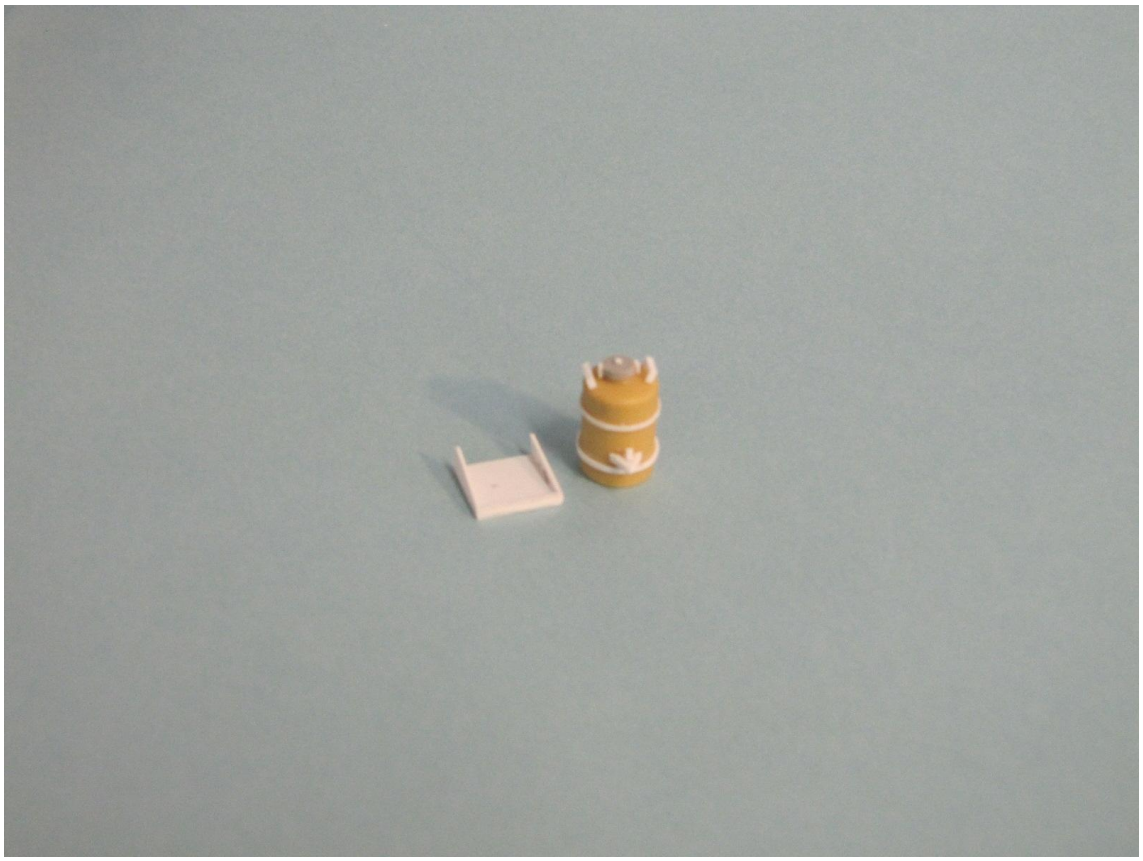
Forward fire extinguisher position.



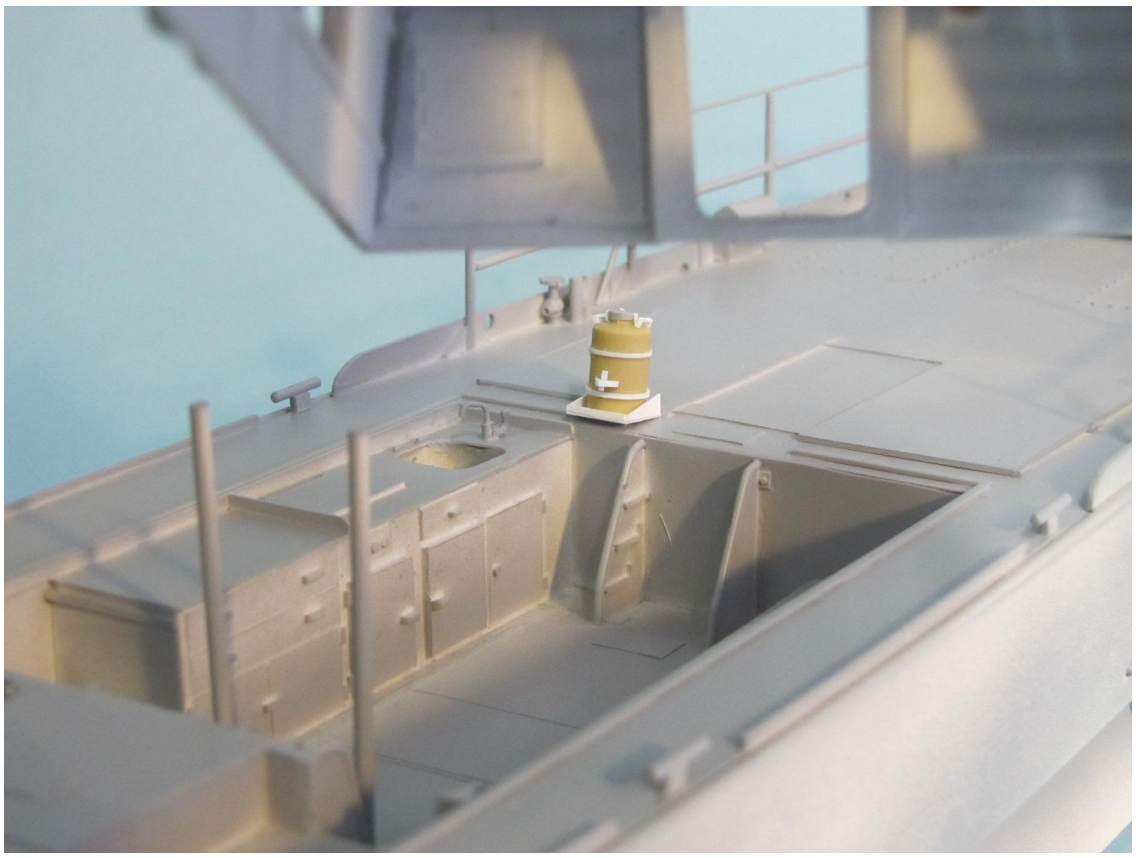
Rear fire extinguisher position.



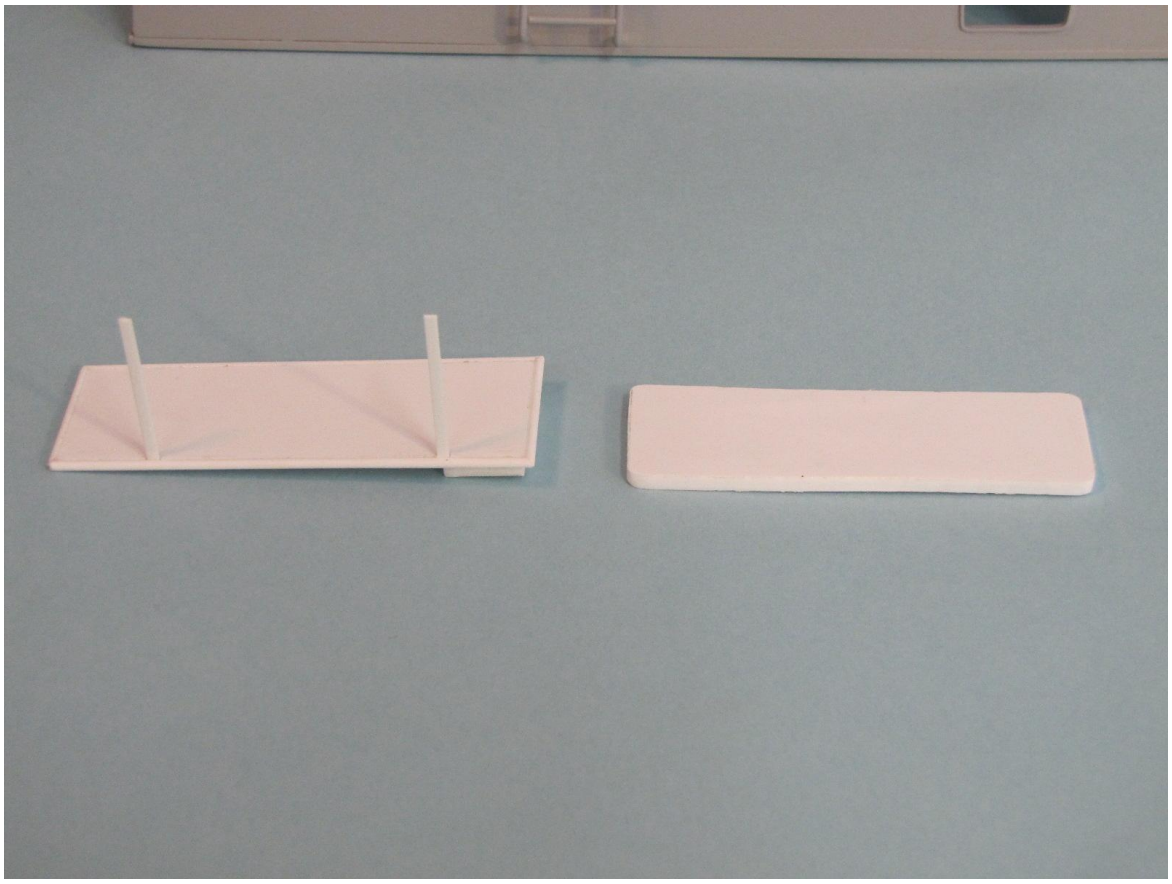
The thermos and shelf.



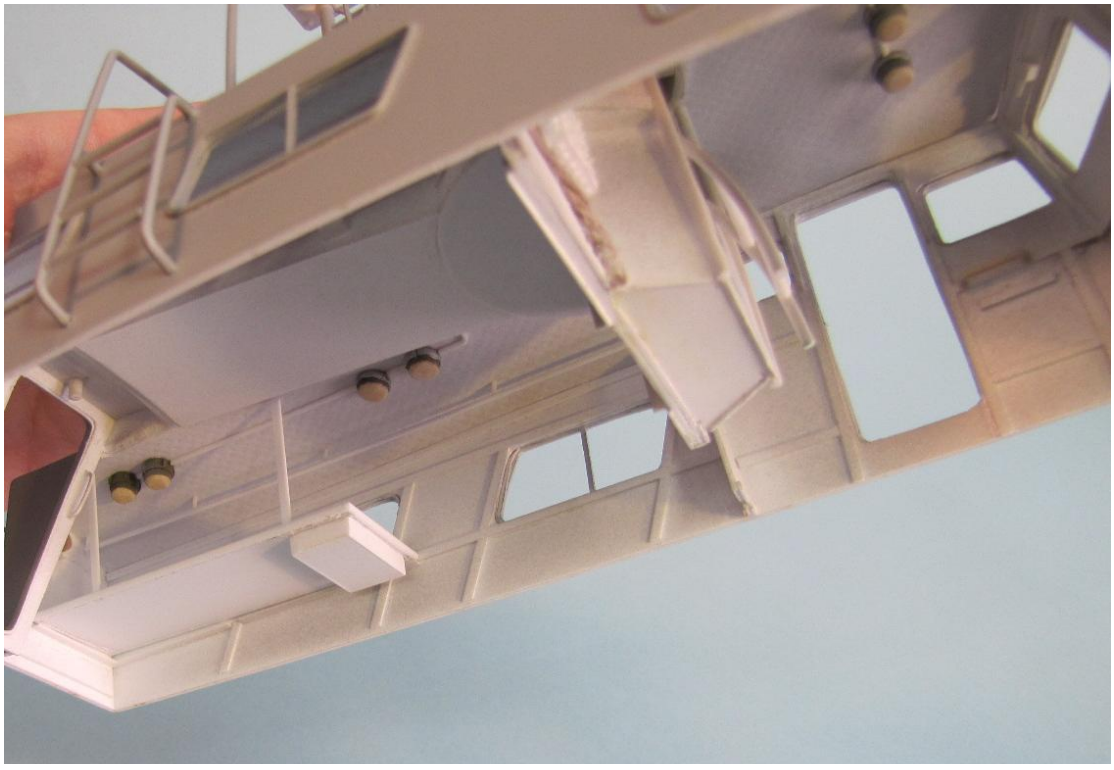
Mount the thermos and shelf to the rear cabin wall in position shown.



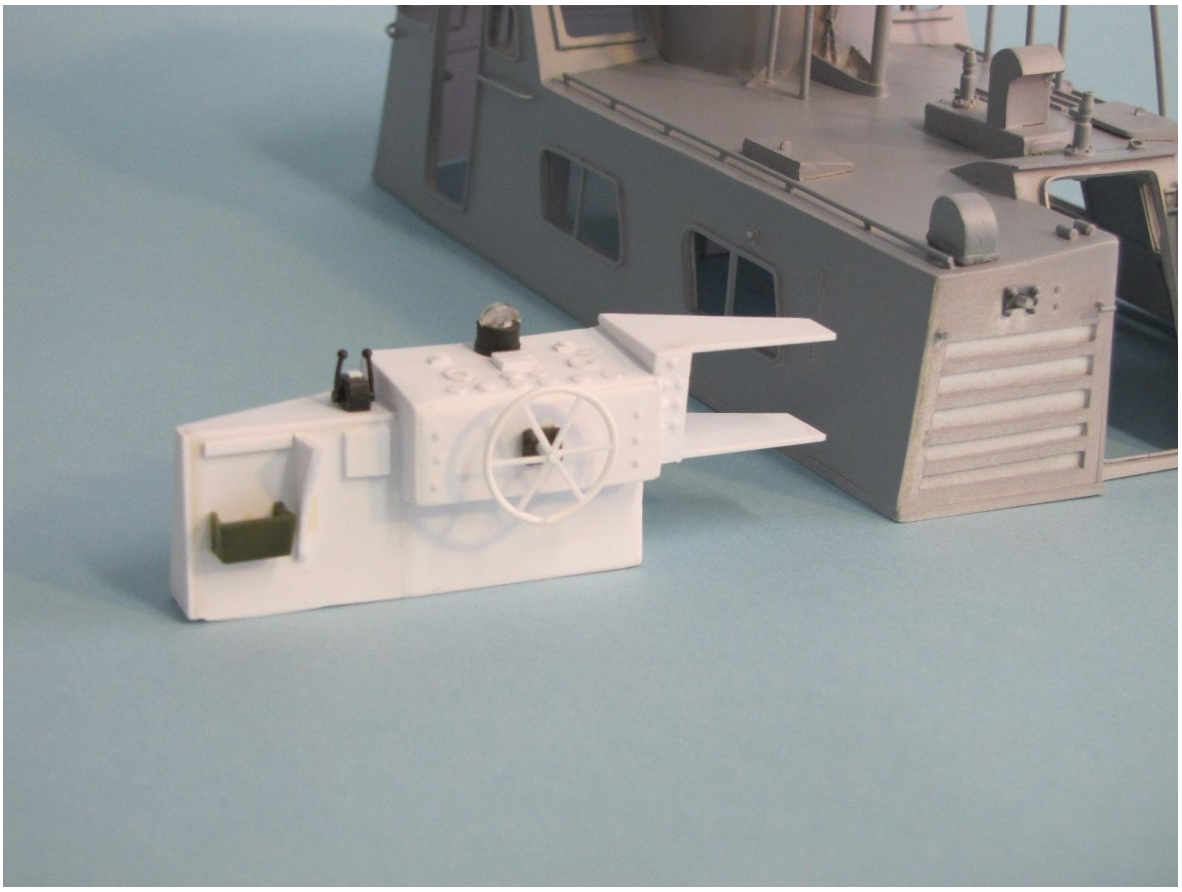
Assemble the bunk and cushion. The bunk is on the left, the cushion on the right.



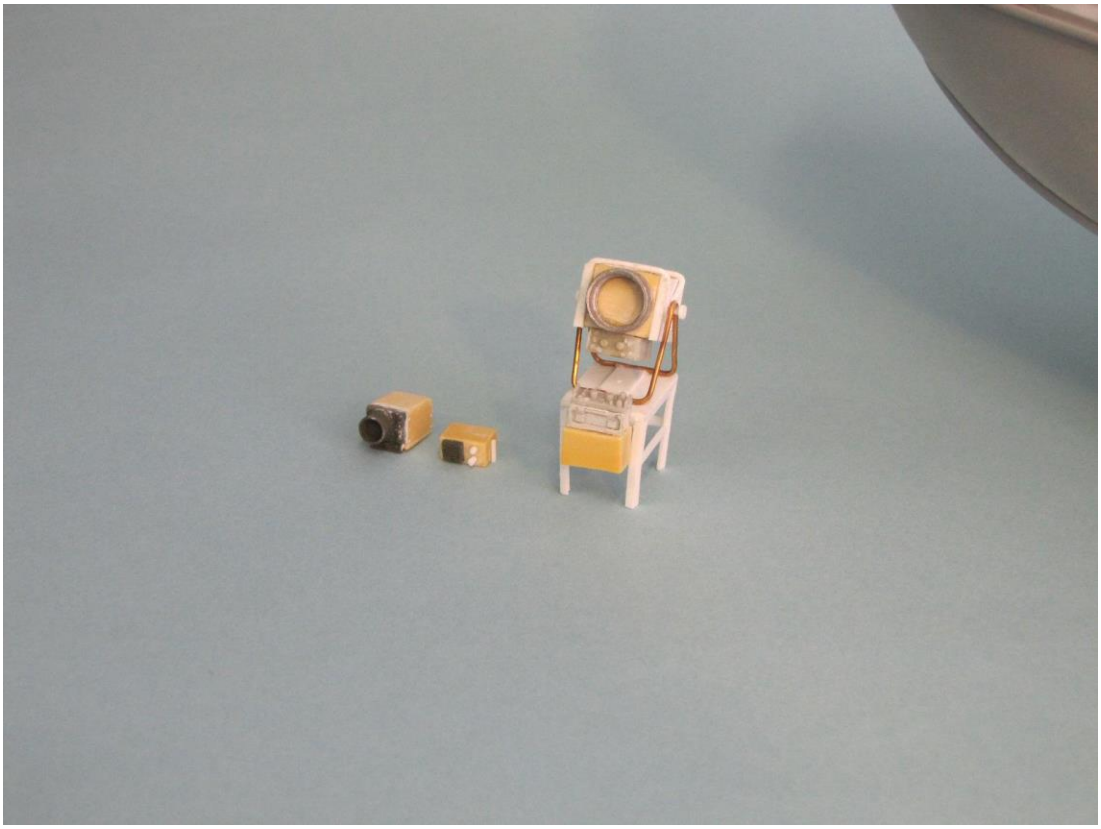
Mount the bunk on the cabin wall as shown. Support rods attach to ceiling.



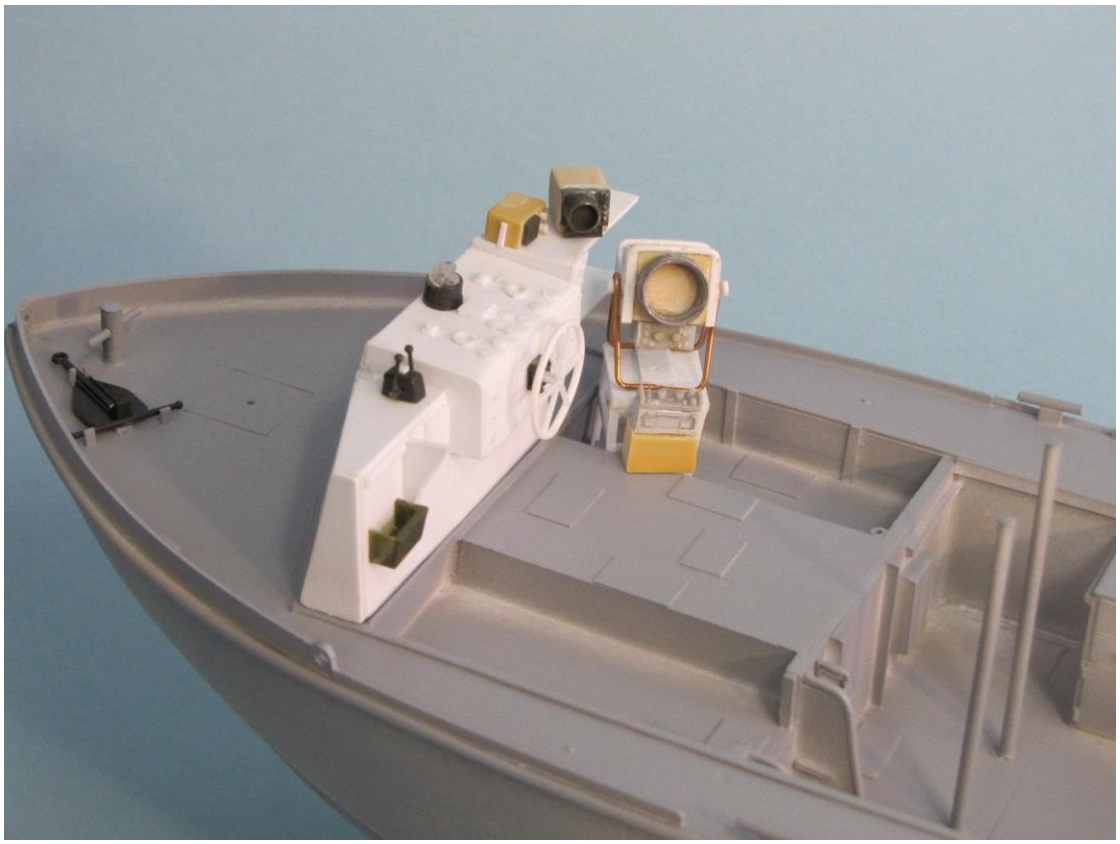
Control station components. Assemble as shown.



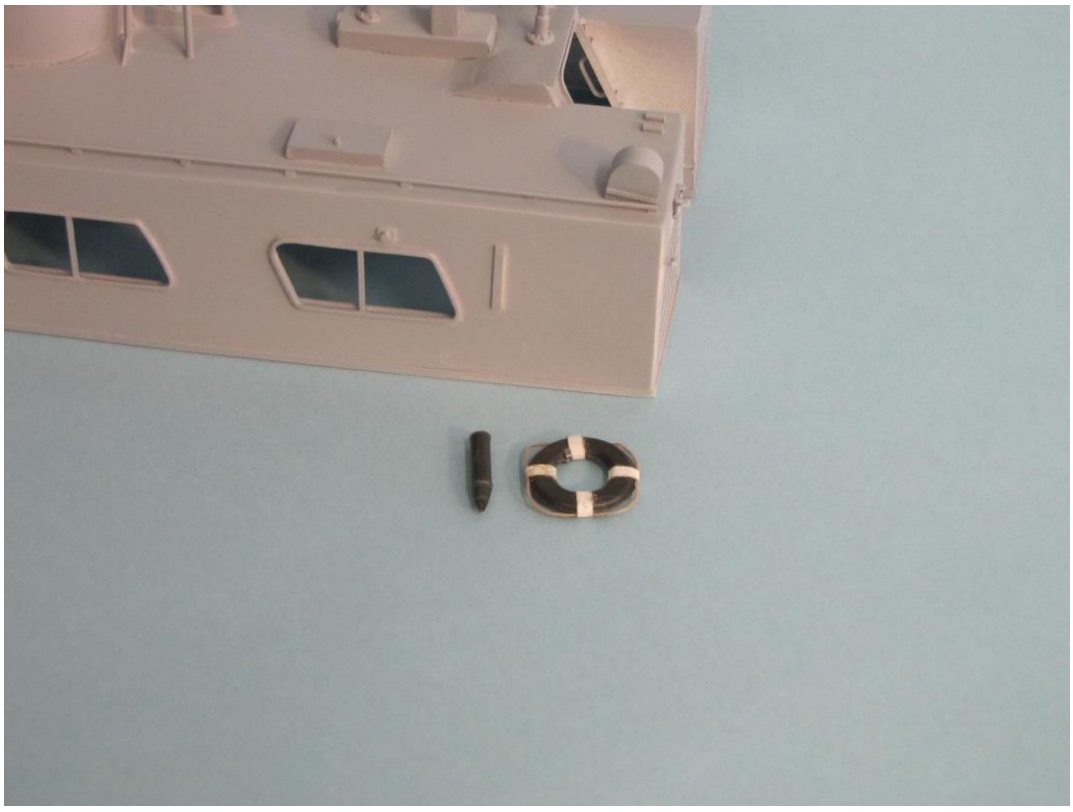
From left to right: Fathometer, CB type radio and DECCA Radar.



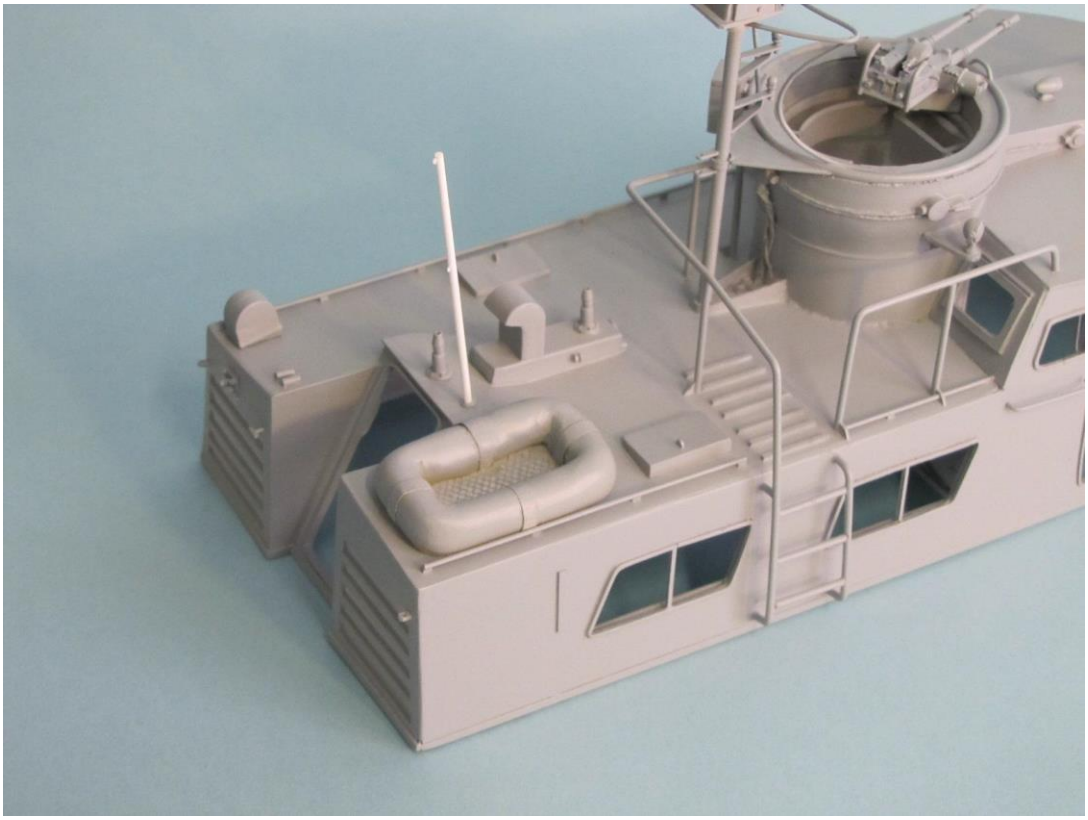
Correct position of equipment inside the cabin. Note the forward position of the anchor as well.

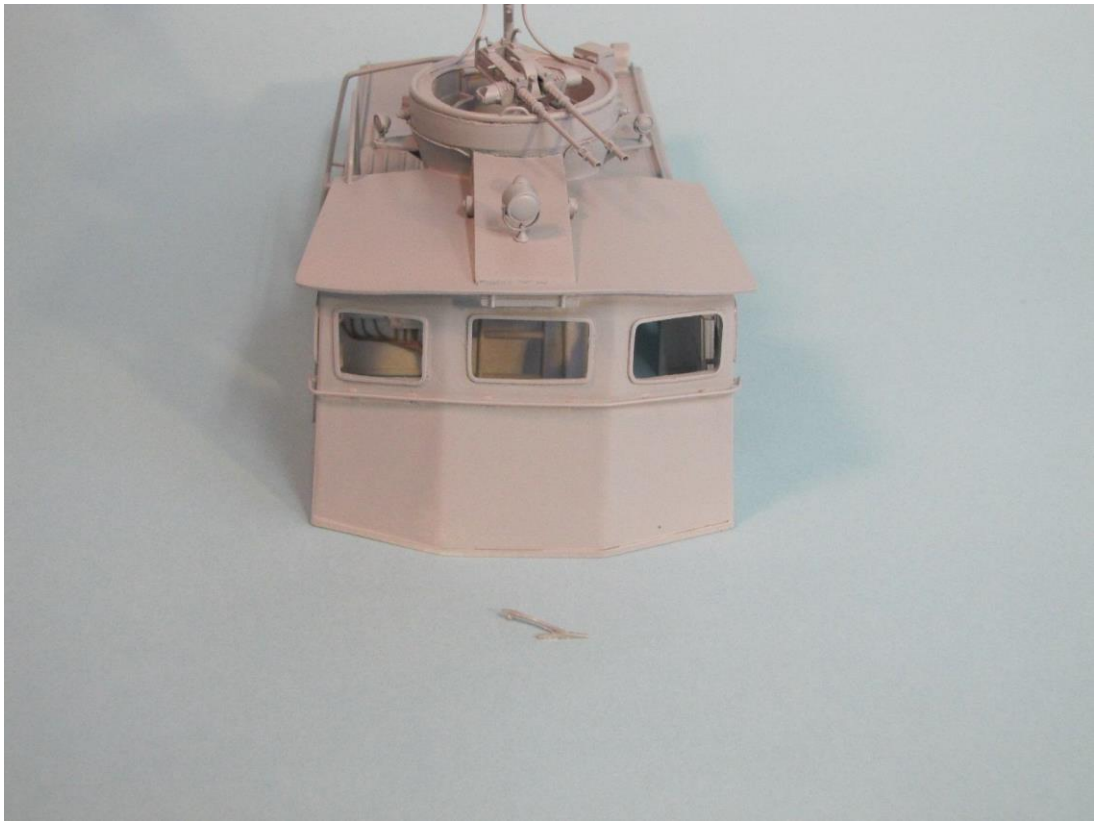


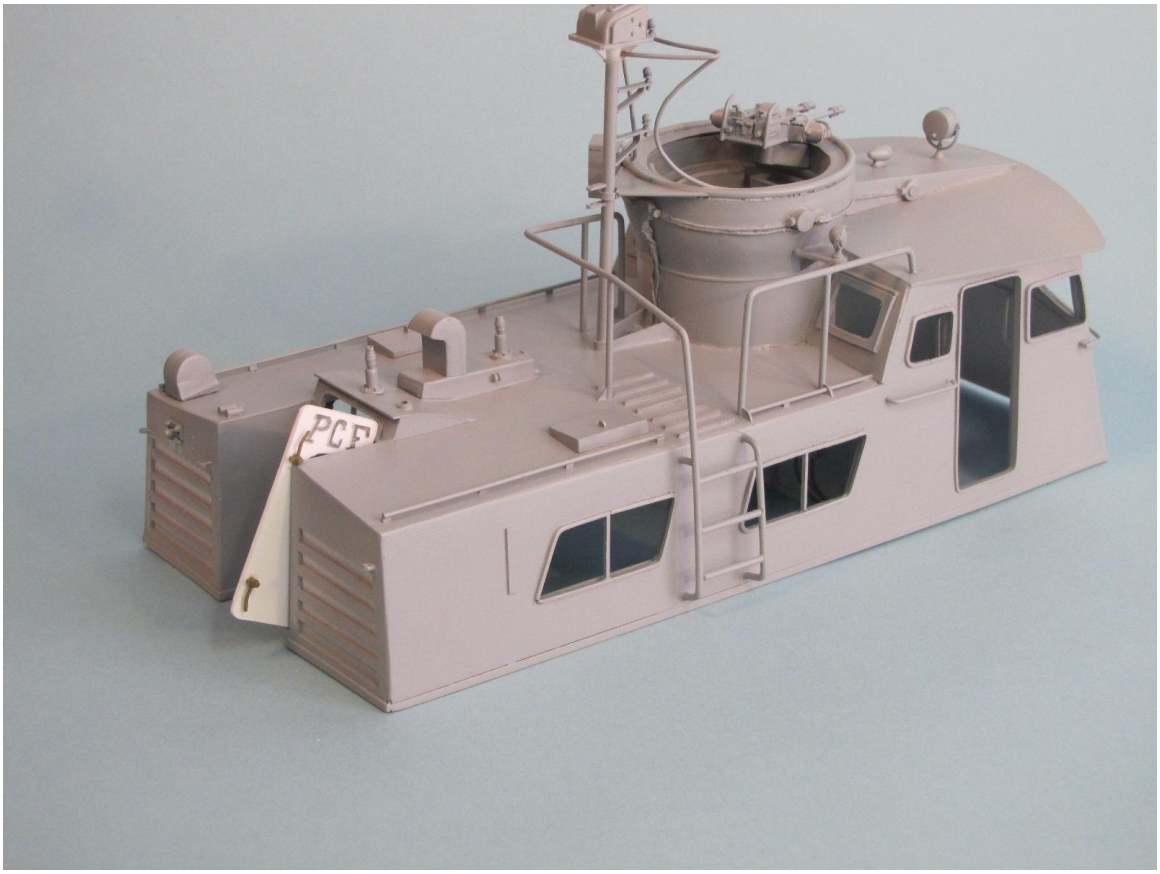
Rescue equipment, mounted in this order on both sides of the cabin exterior wall.

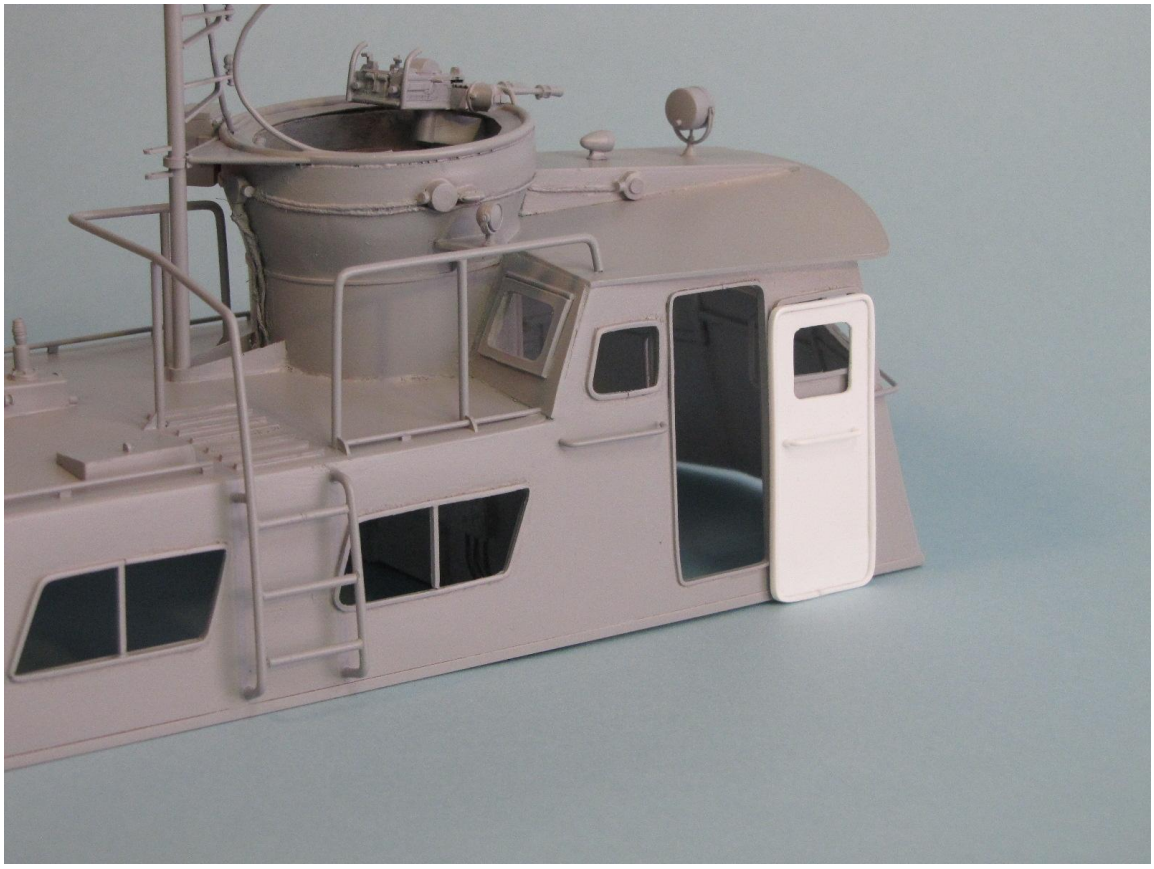


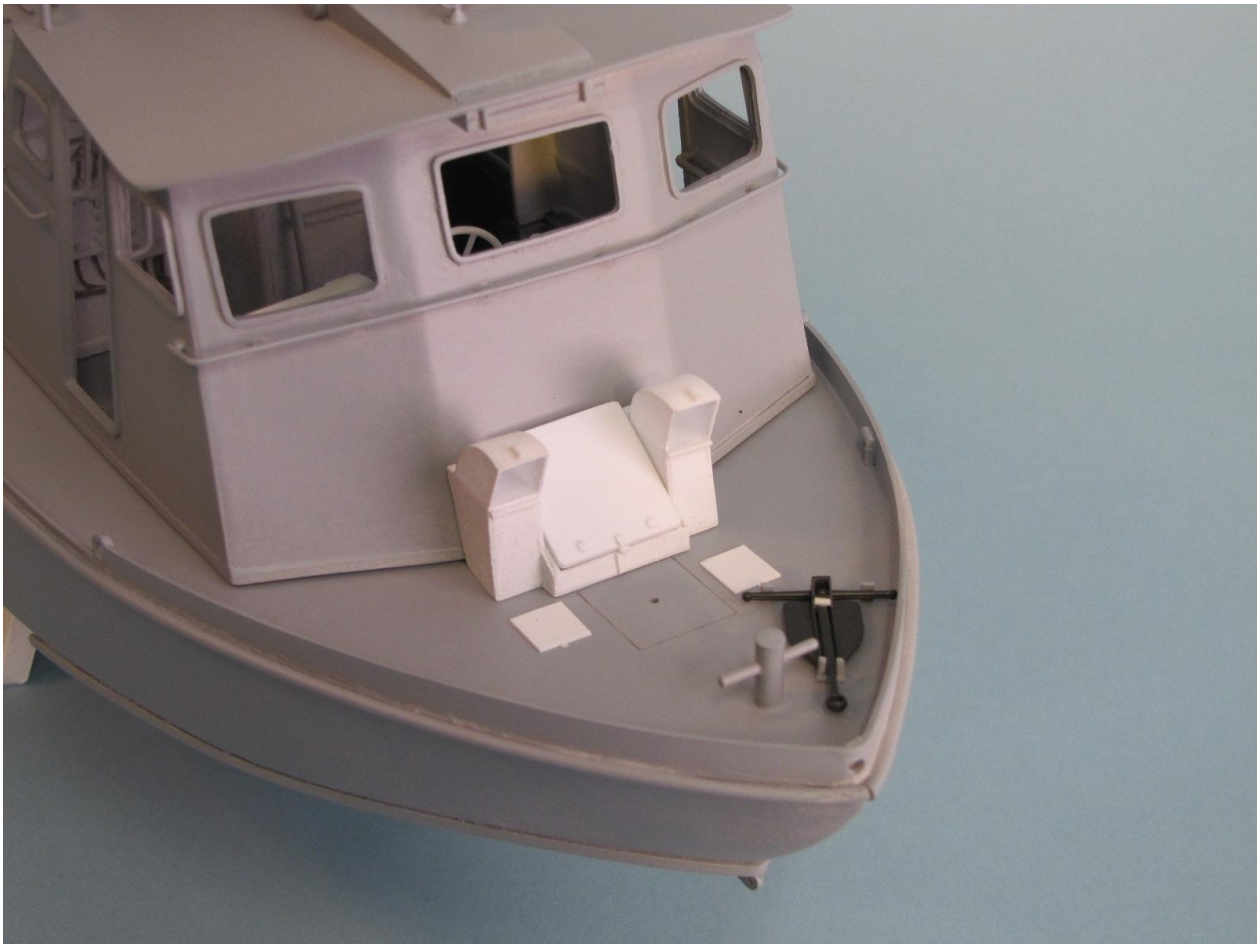
The following images show the positions of the equipment and fixtures on the roof. Railings and latters created with supplied styrene rod.

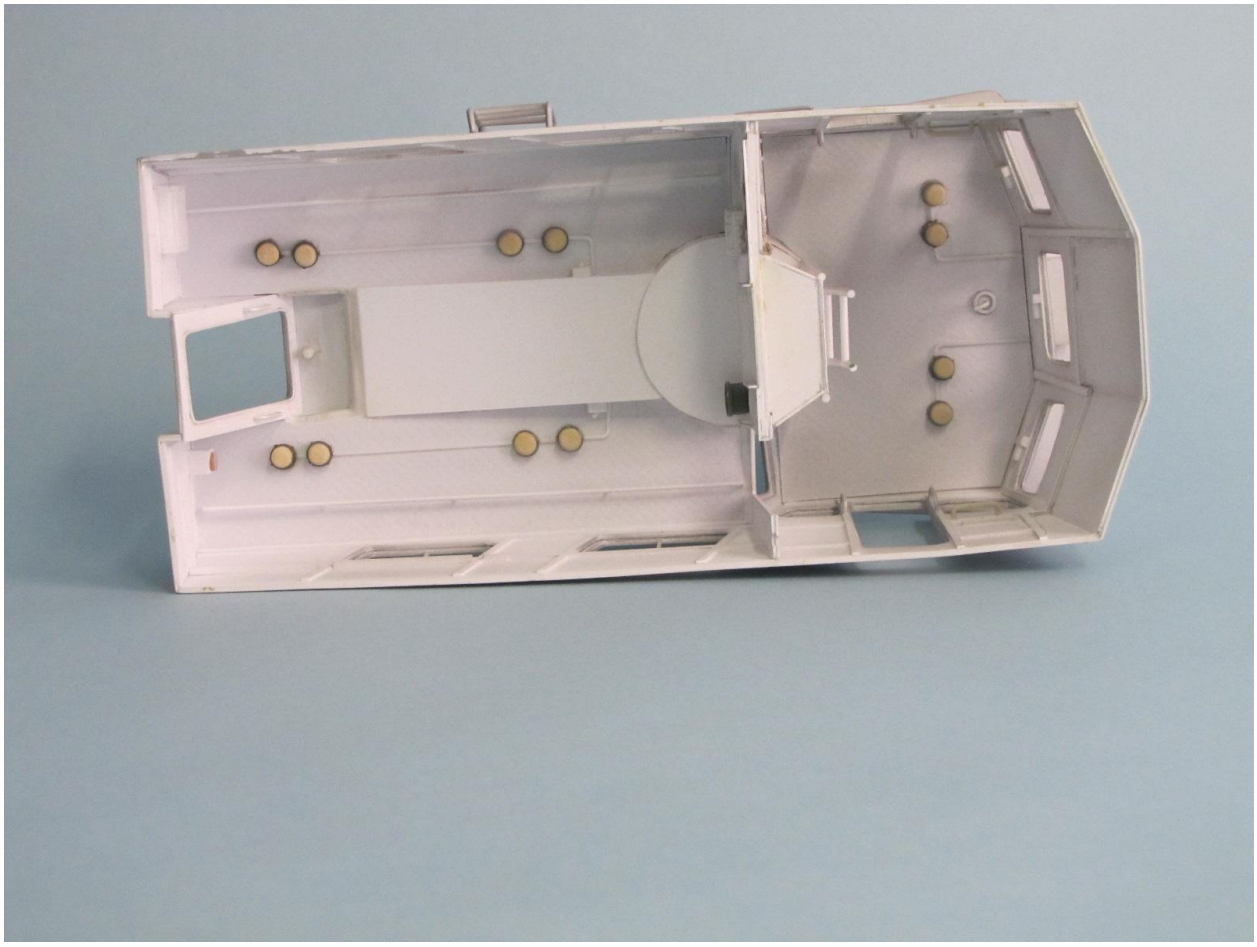




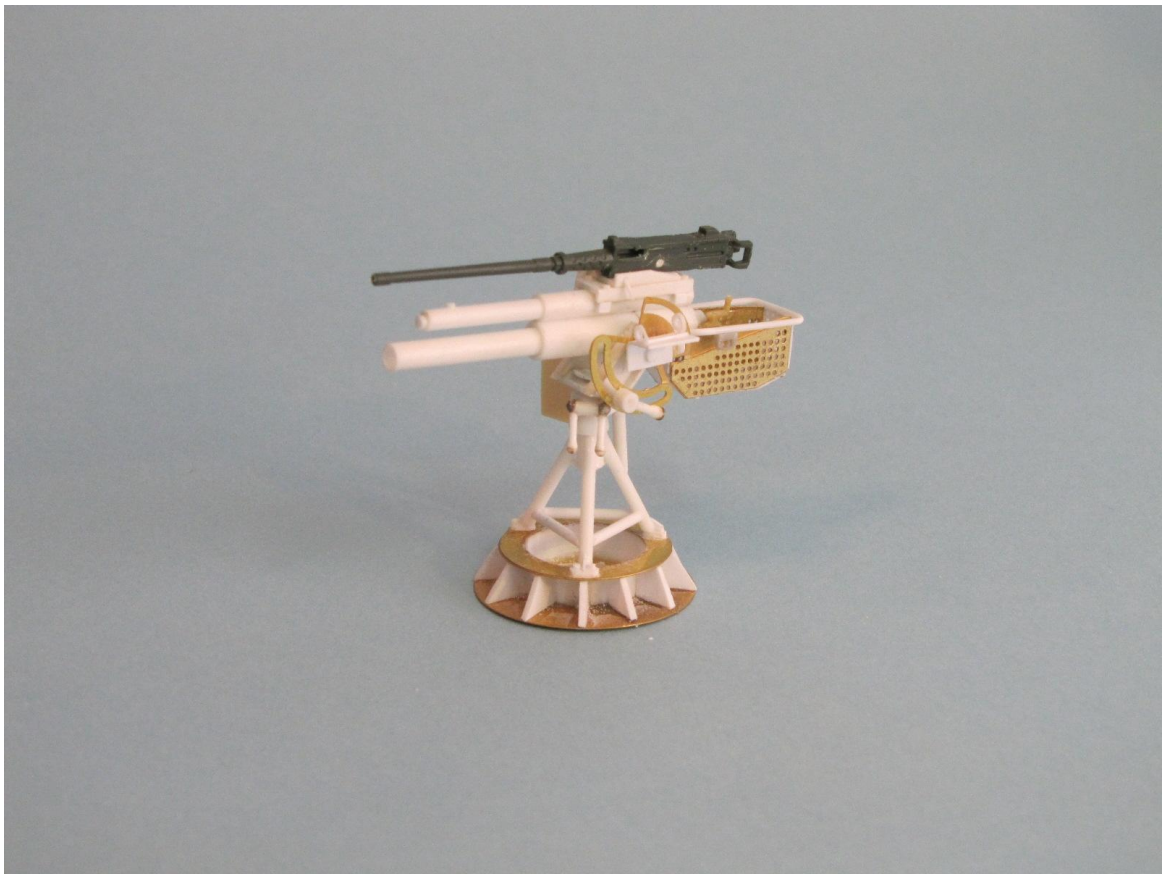


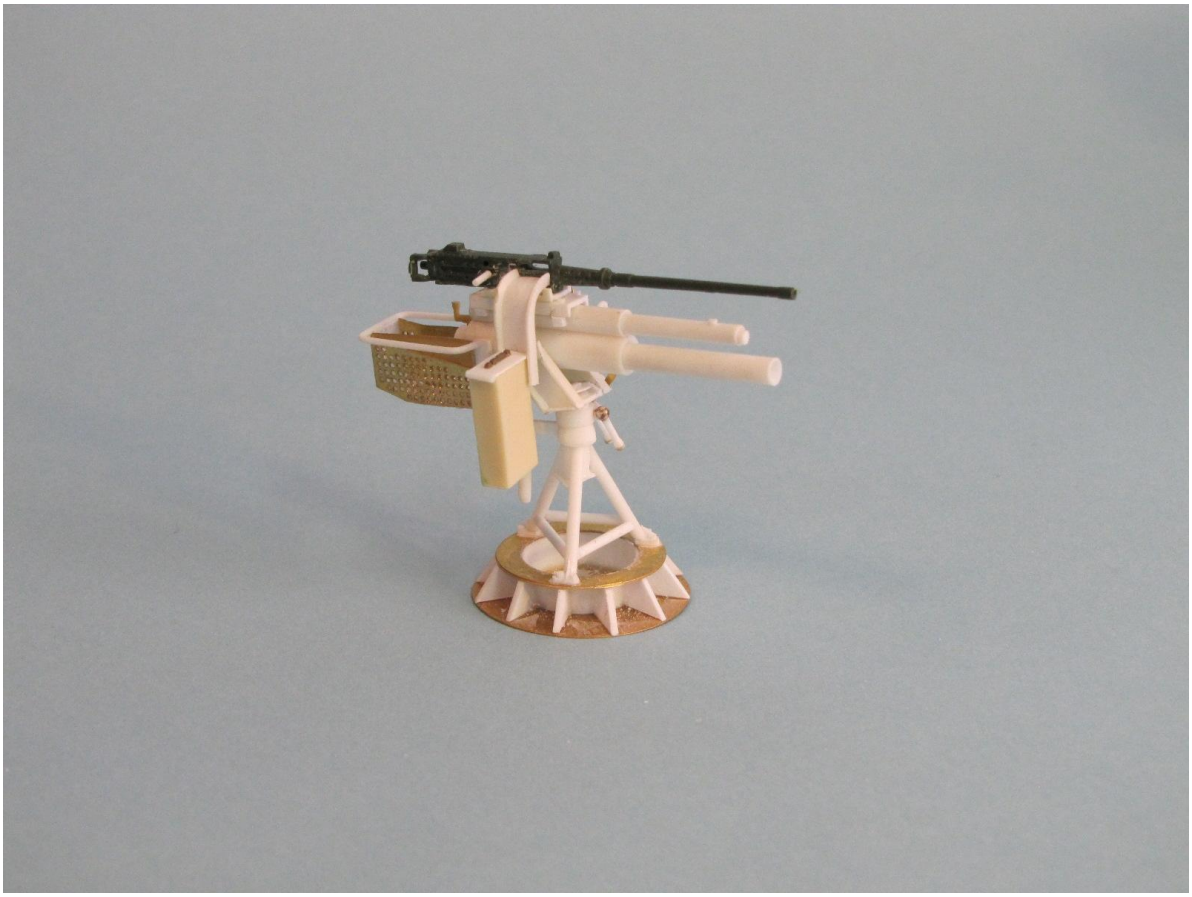




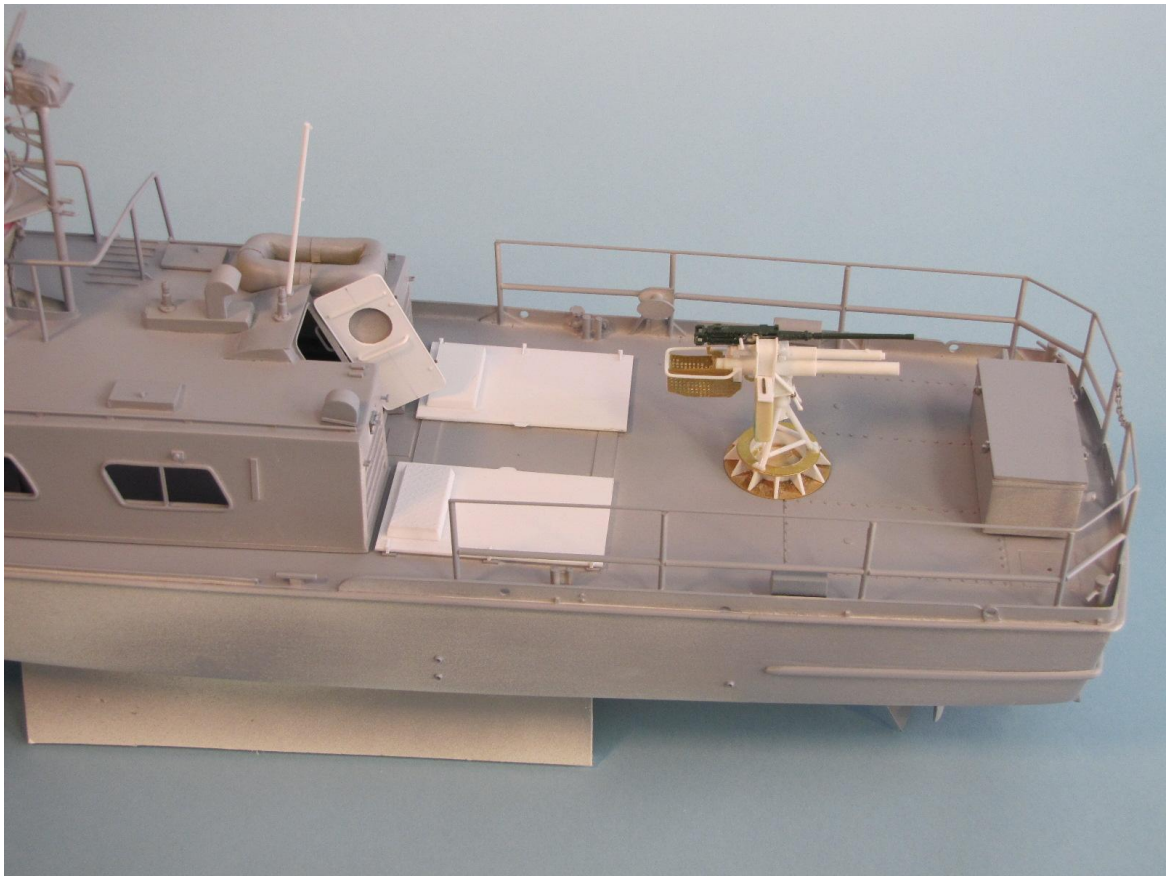


81mm Mortar & M2HB assembly.





Positioning of the gun and ammo box.



Screws, skegs and rudder locations.

Completed vessel ready for painting and weathering.