Program 5 ATC(W)
Armored Troop Carrier (Water Cannon)
Aka ‘Douche’ Boat

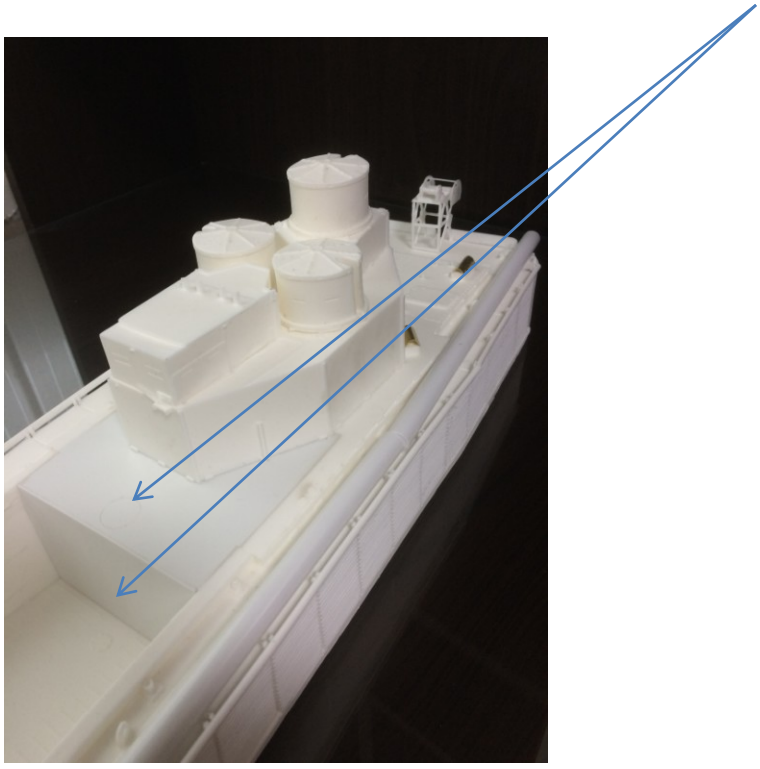
Specifications

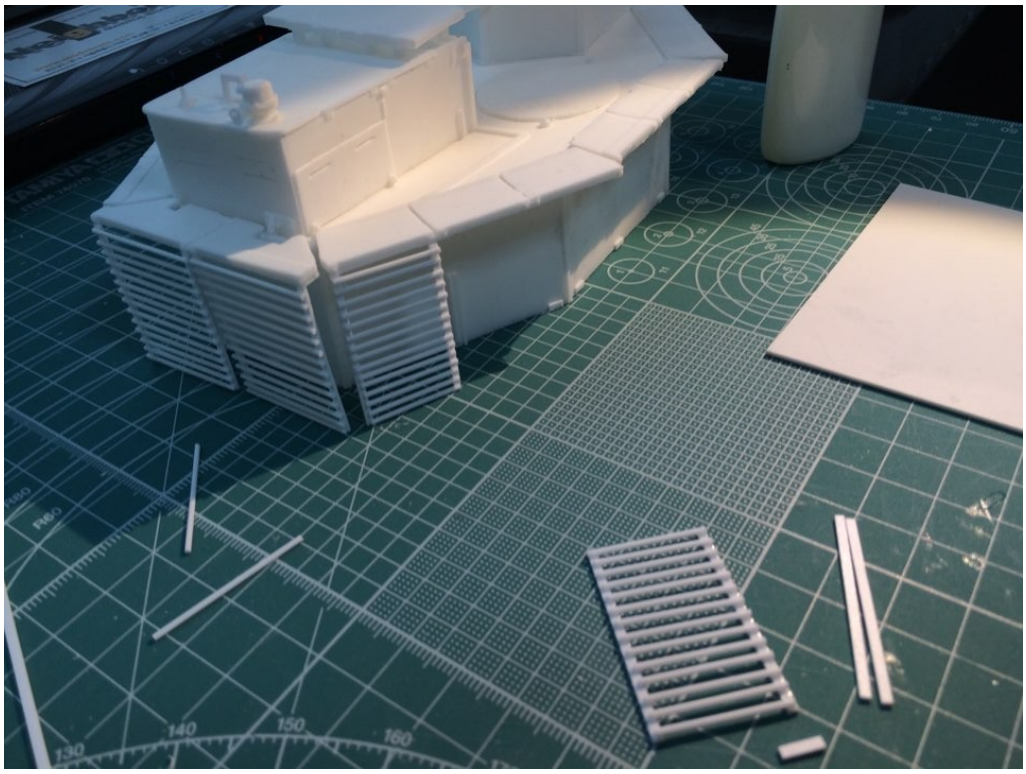
Displacement: 66 tons
Length: 56.5 feet
Beam: 17.5 feet
Draft: 3.5 feet
Propulsion: 2 Gray Marine 64HN9 225 hp, 2 shafts; 1 Detroit Diesel 12V71 driving 3,000 psi centrifugal pump feeding 2 water cannons
Speed: 8.5 kts
Crew: 7
Weapons: 2 x 20mm Mk 16, 1 x 40mm Mk 19 grenade launcher, .30 Cal MG and .50 Cal MG in the well deck

Purpose: The “Douche” boat was used to wash-away mud bunkers along the river banks with a high-pressure water stream. The well deck of each boat was fully loaded with machinery for the water cannons. A Grey Marine 12V71 with a Power-Take-off-Transmission was connected to an 18" Fairbanks-Morse centrifugal pump. The suction line was 14" pipe running down the port side the stern where there was a swivel strainer which was lowered when the water cannons were to be employed. Also in the well deck there was a diesel fuel tank for the 12V71, a vacuum pump connected to the 12V71, a vacuum expansion tank and the associated valves and piping to the Stang Intelligent Water Cannons. The water cannons put out 2,700 gallons of 'river' water a minute at 250 pounds of pressure at the nozzles.

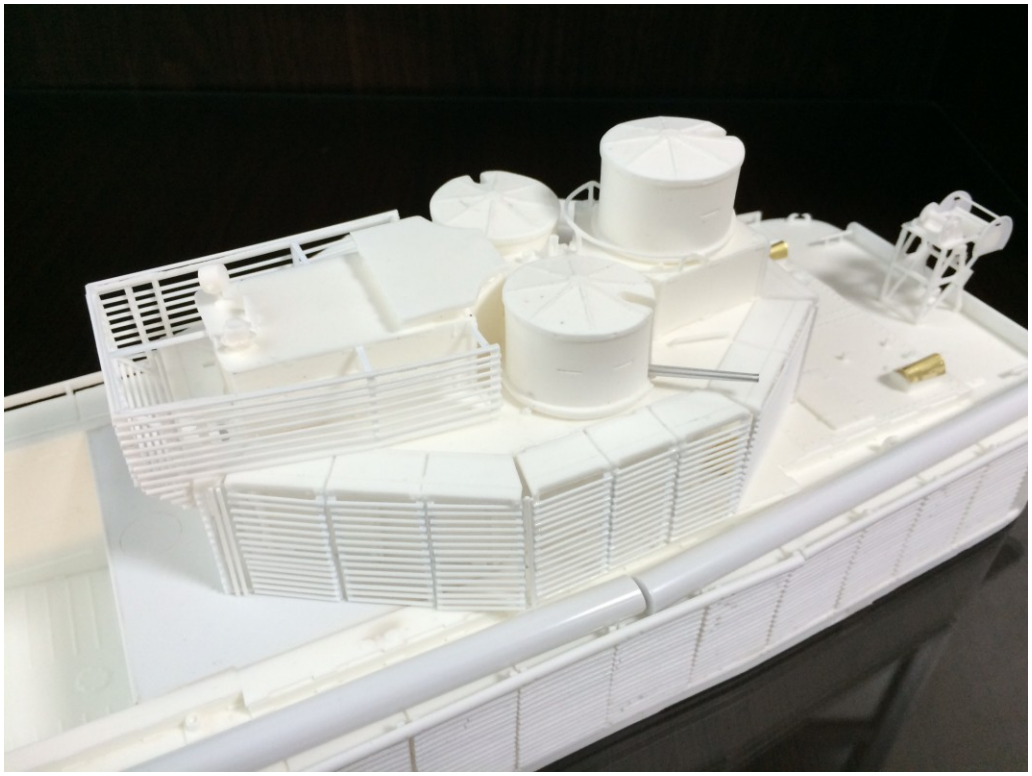
Build a Tango boat with the following deviations.

Replace the superstructure deck with the following parts

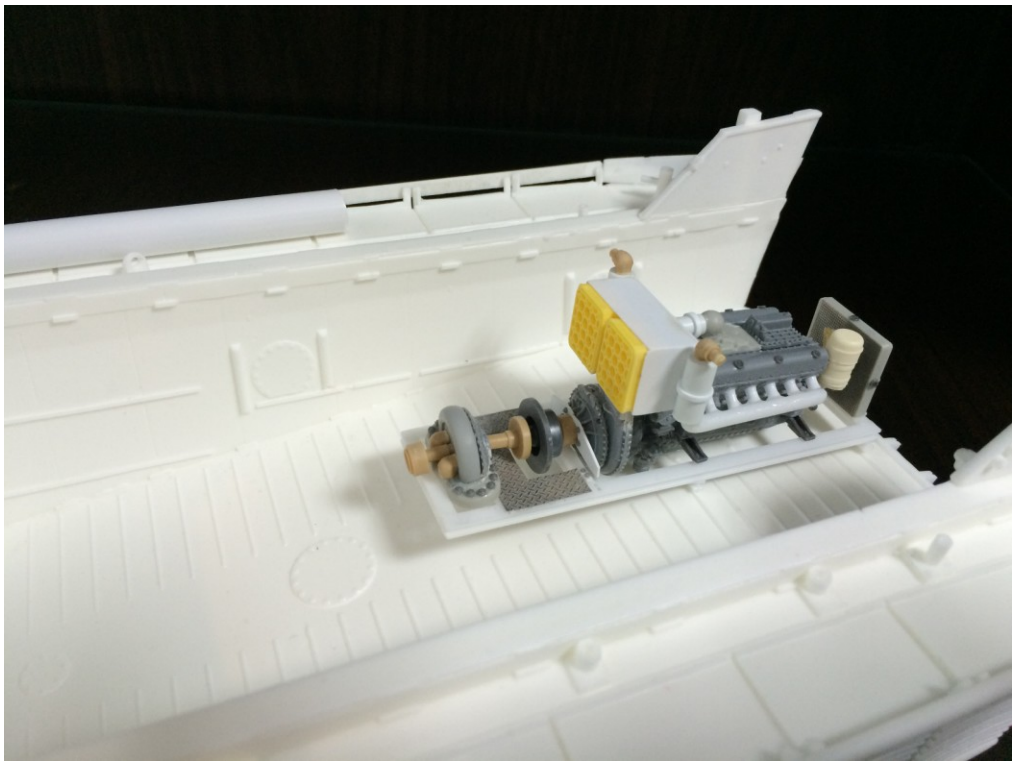




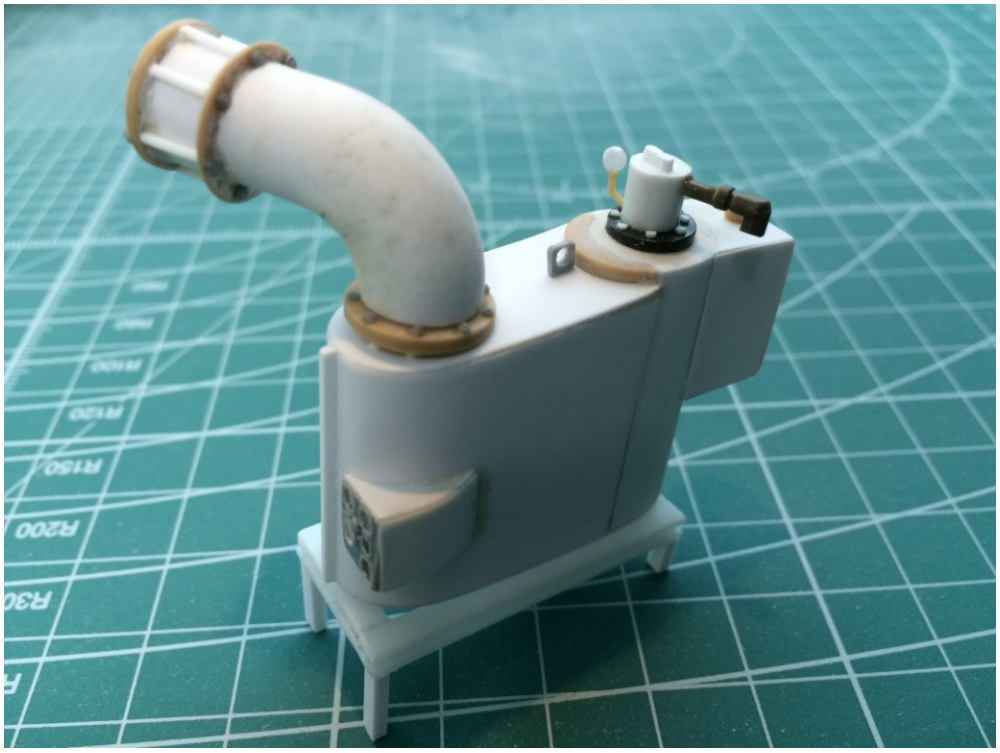
Assemble the bar armor on the superstructure



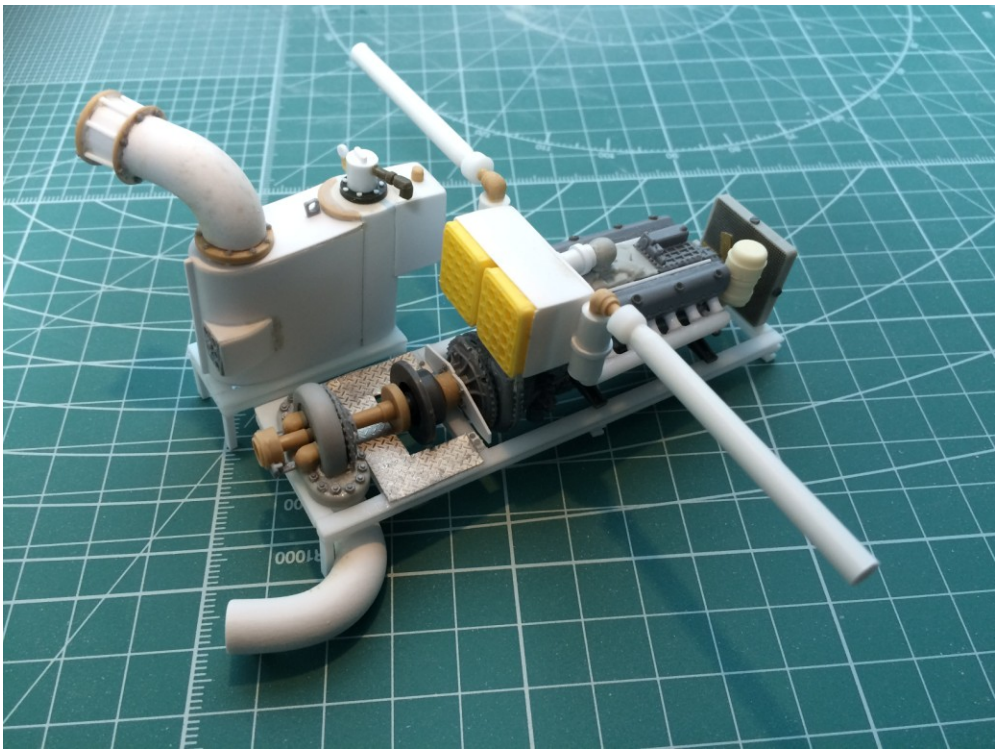
Assemble the engine frame, engine, transmission, pump and position in the well deck (do not glue yet)



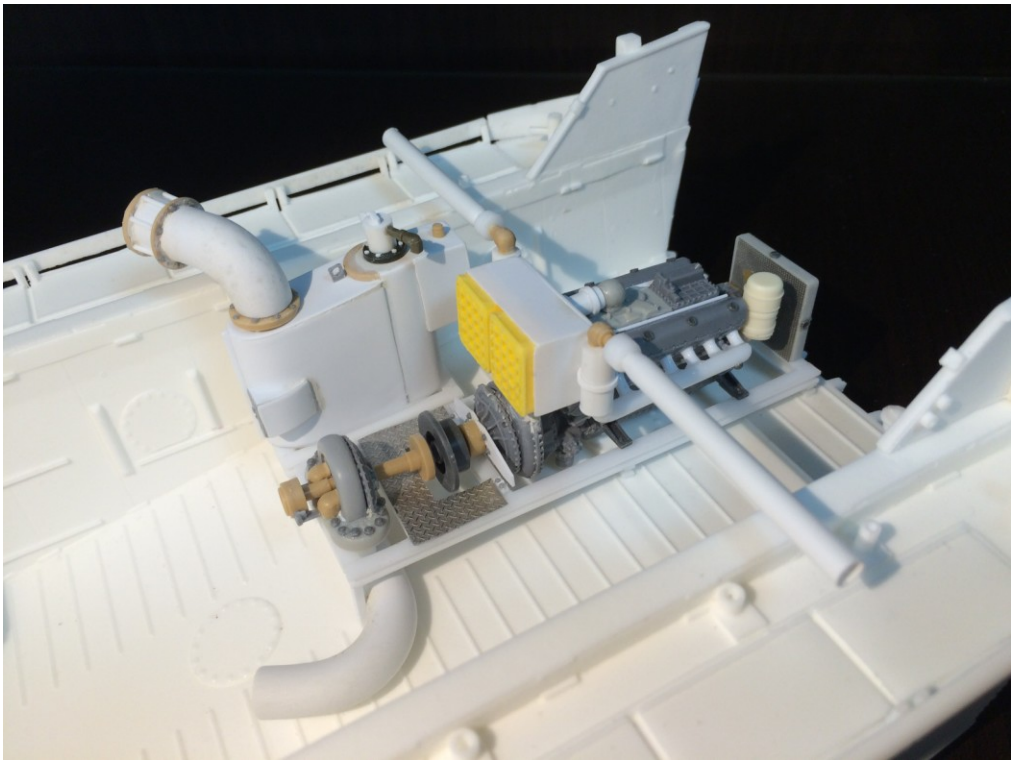
Assemble the centrifugal pump expansion tank and it’s support frame.



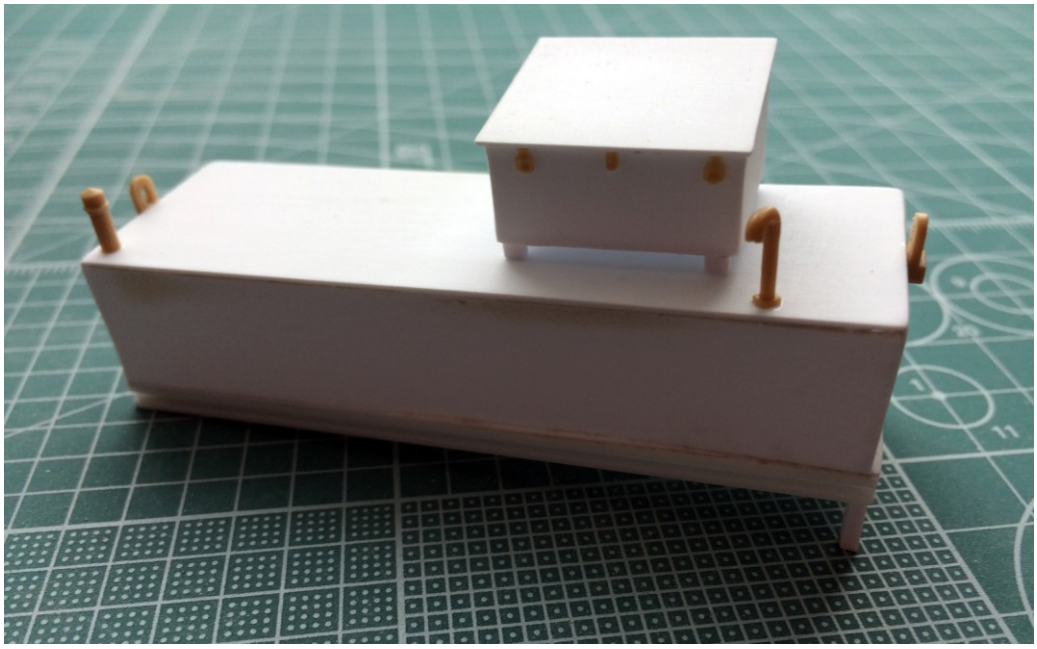
Add the exhaust pipes to each side of the engine.



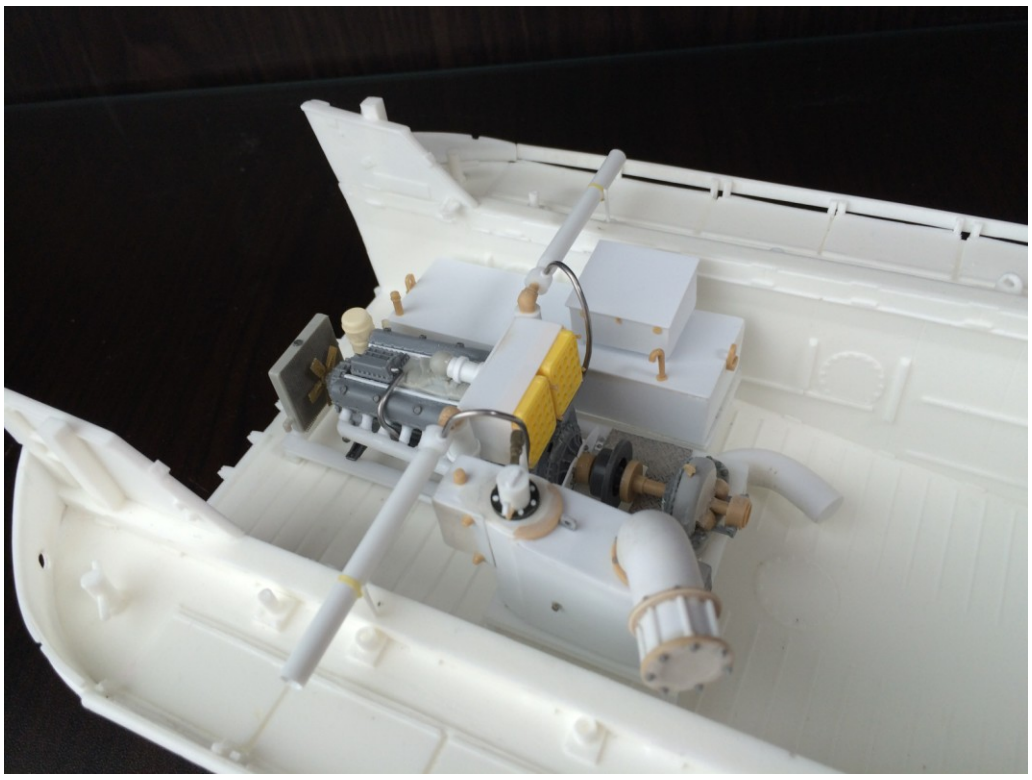
This is the proper positioning of the engine and expansion tank in the well deck.



Assemble the fuel tank and tool locker as shown.

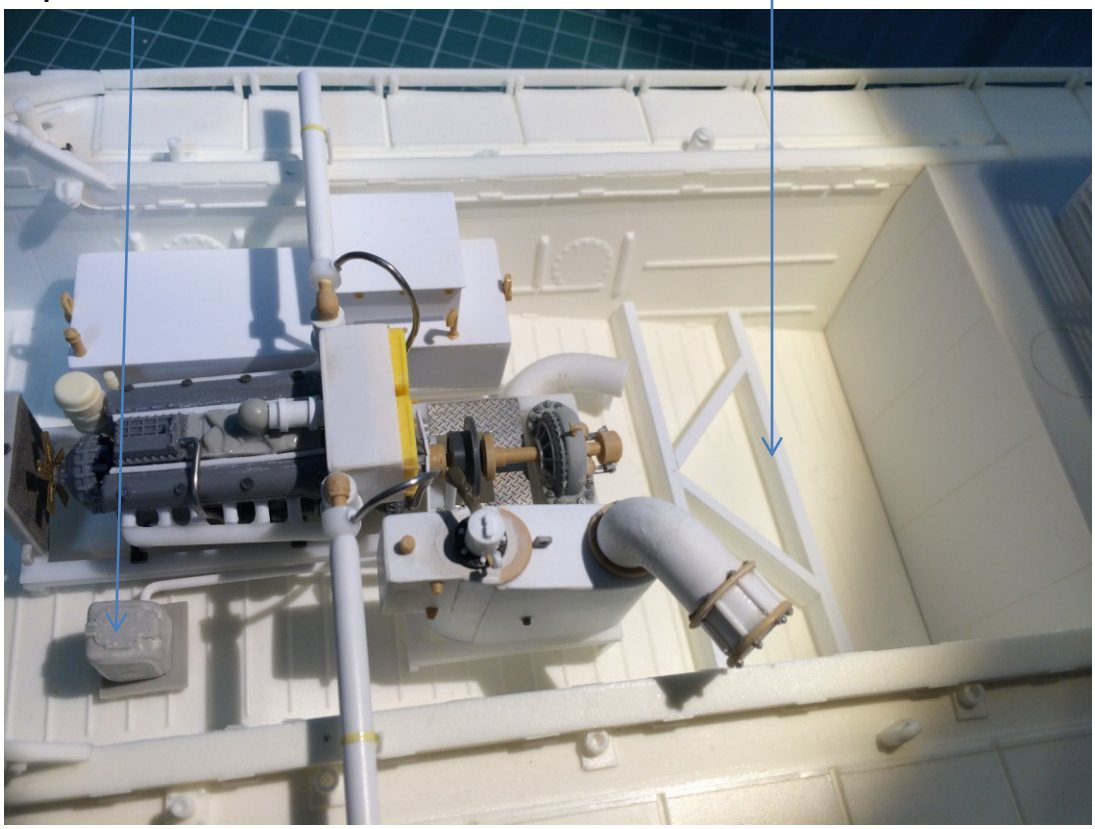


Proper positioning of the fuel tank and gear locker. Do not glue anything to the well deck yet until all the components are assembled.

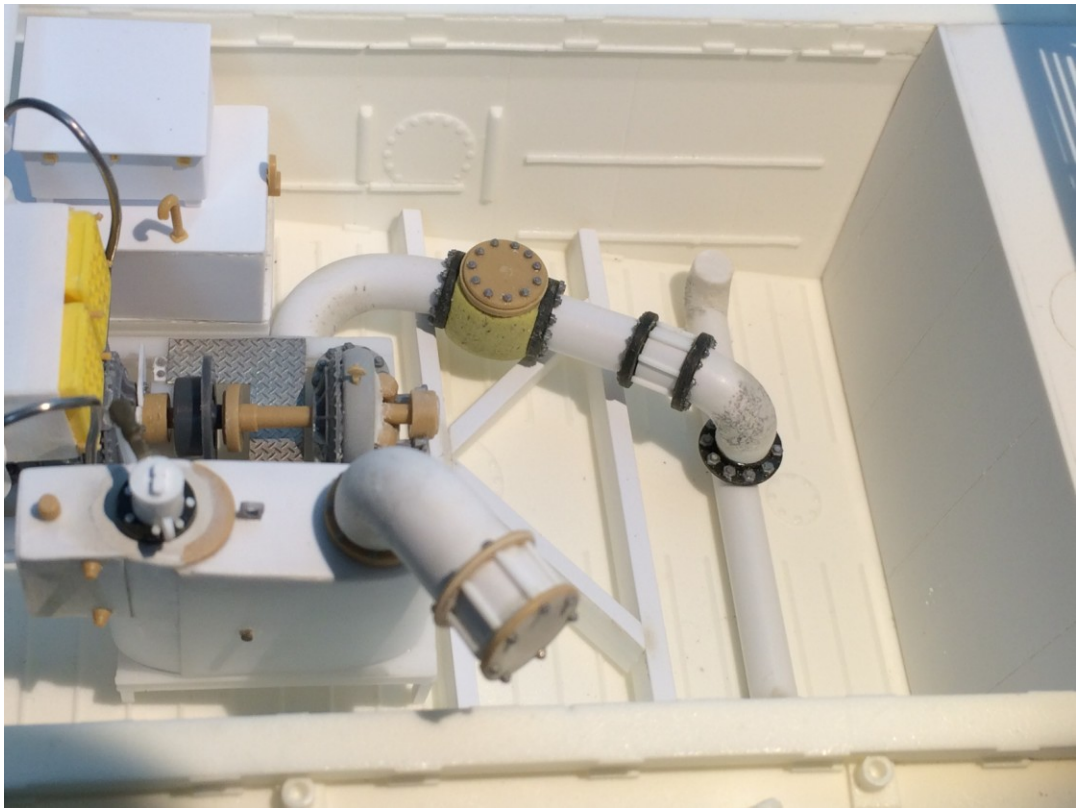


Add this part here

Position the cannon support frame here.

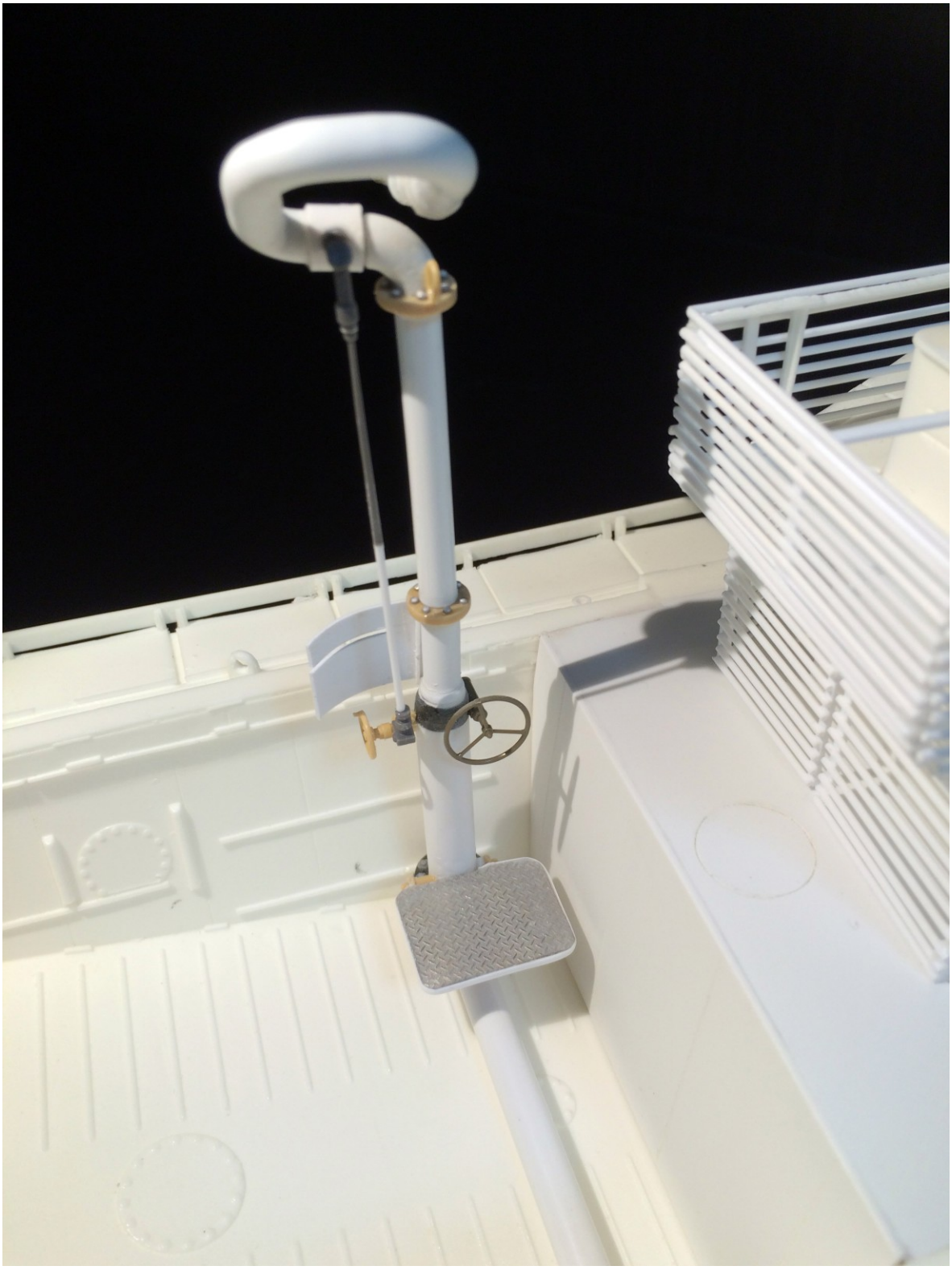


Add the other pipe parts as shown on the support frame.



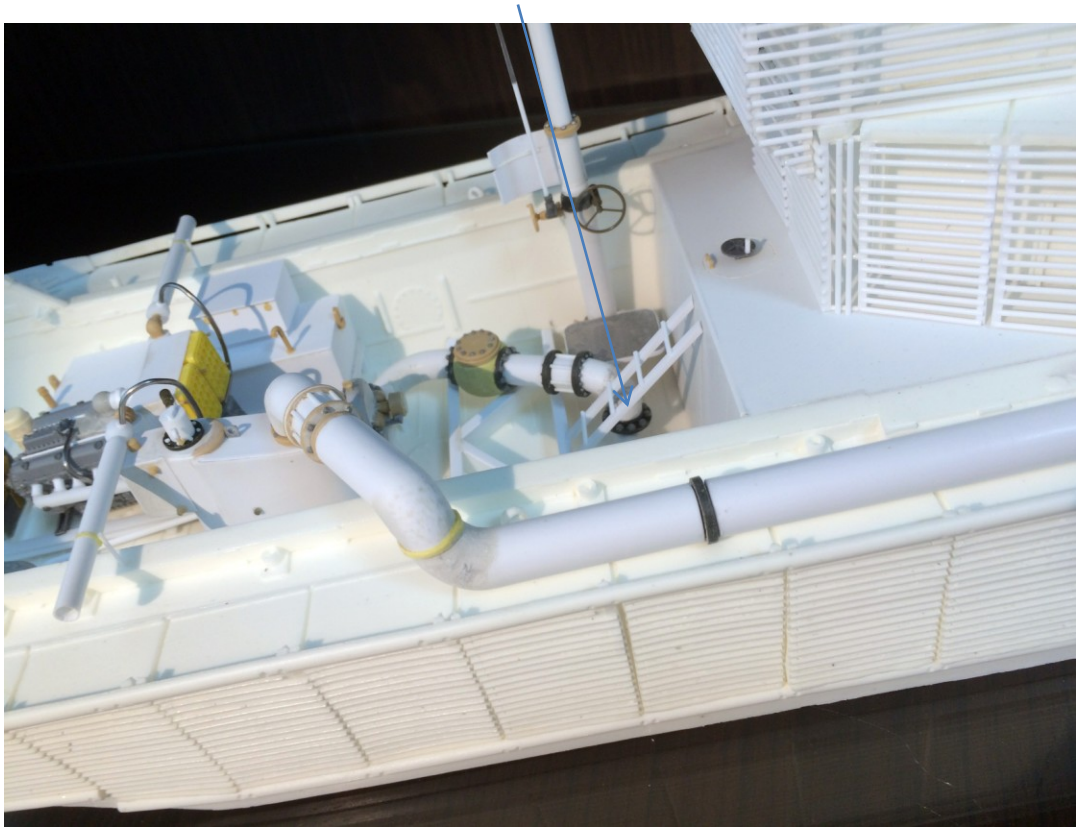
Assemble the Water cannon as shown.

You will need to build 2 of these cannons.

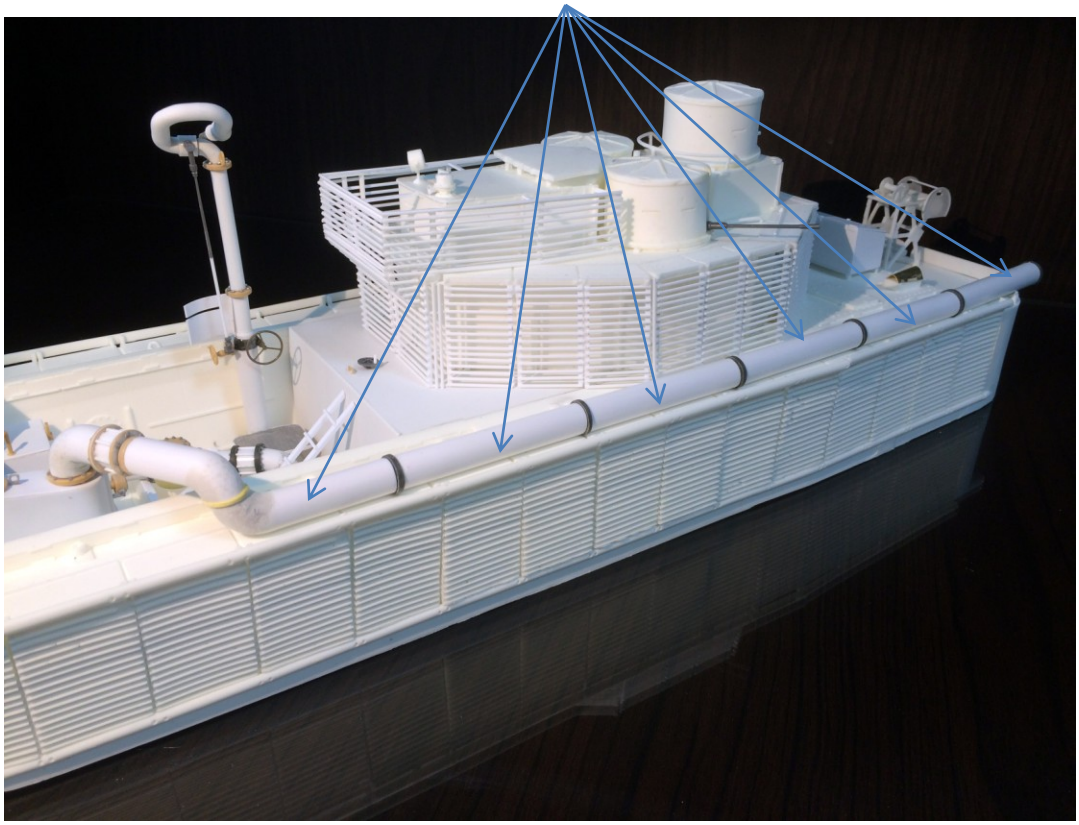


You can start gluing components to the well deck at this point. Work your way back from here to the engine ensuring all the pipes fit.

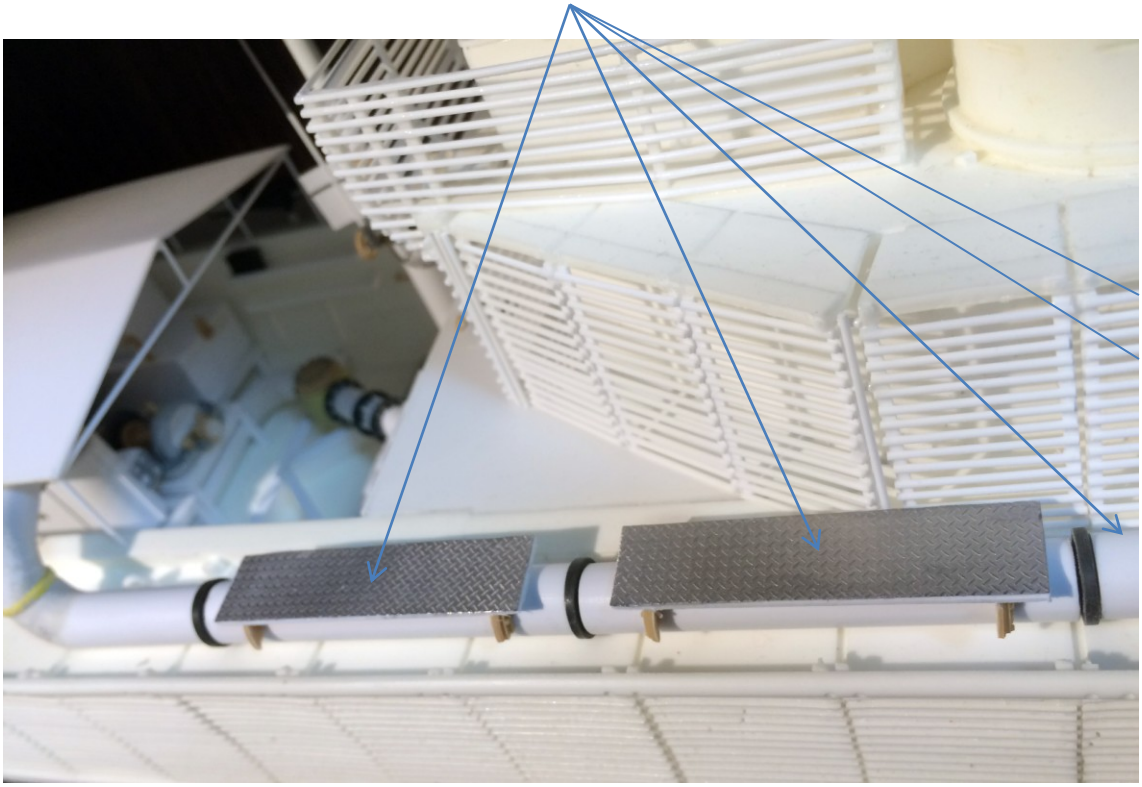
Add this ladder here.

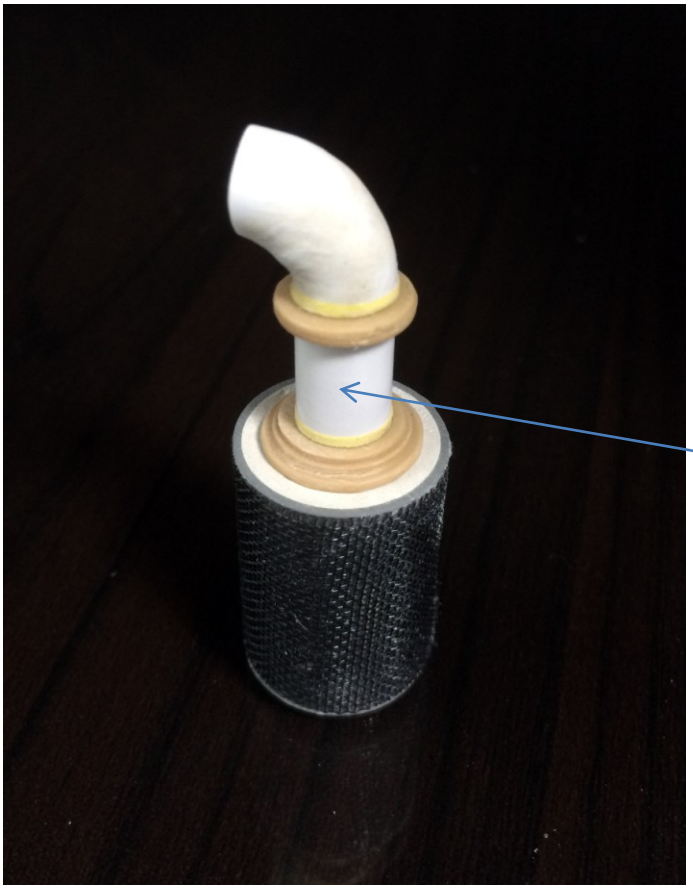


Assemble these 6 pipes as shown.

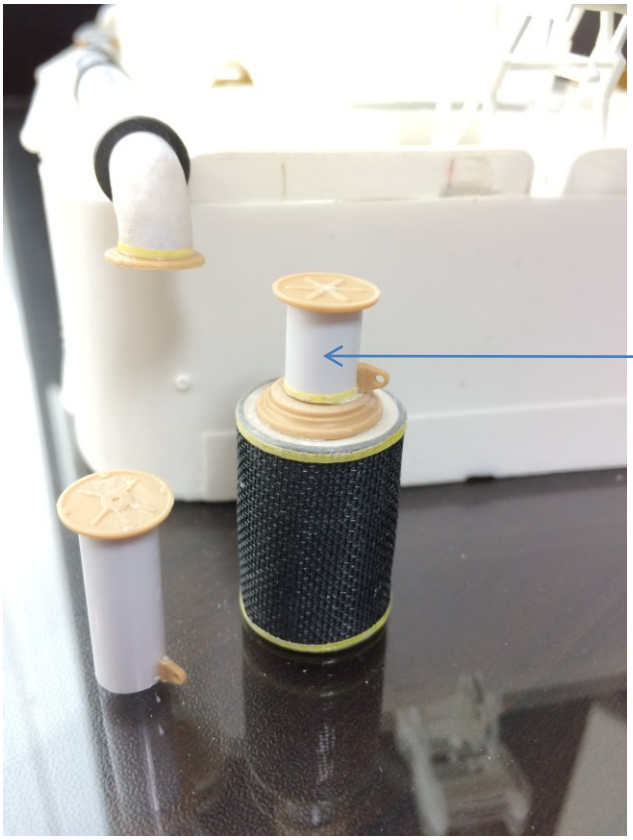


Add 5 of these non-slip platforms to the pipe sections.



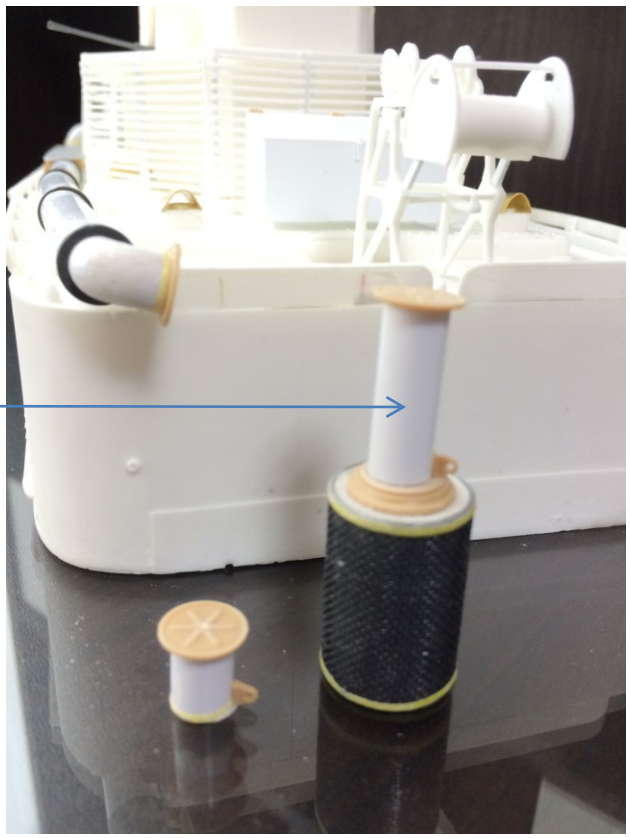


Assemble the swivel Strainer as shown for placement in the down position. If you wish to show the strainer in the up position, attach the longer pipe section here and attach to the winch using scale chain.

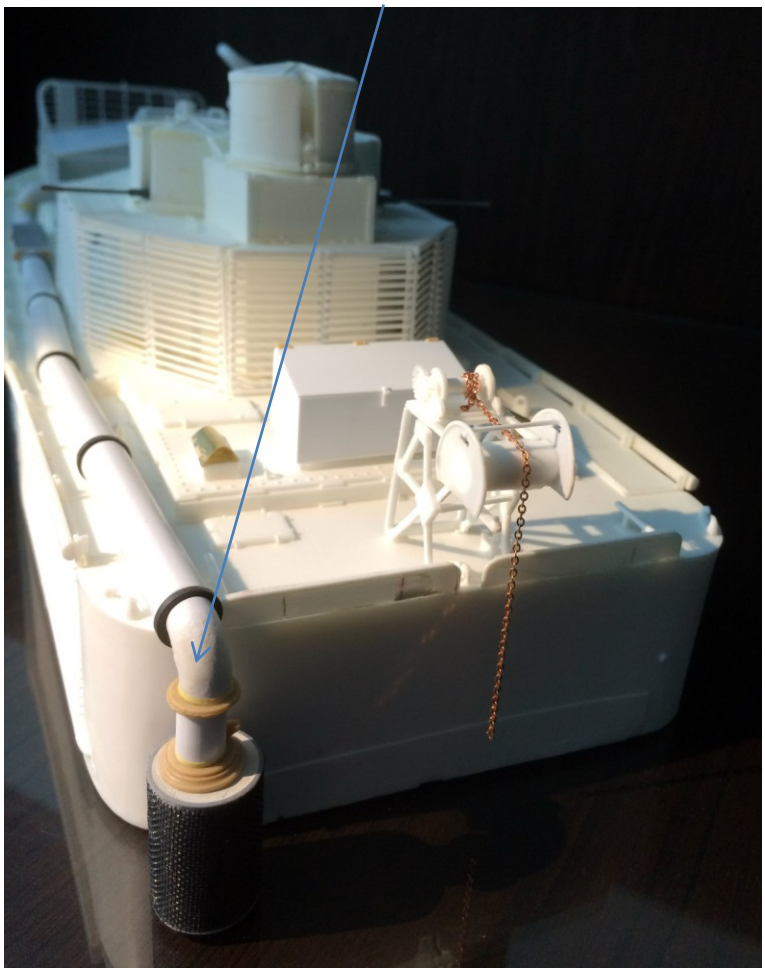


Use this short pipe for swivel strainer in the down position.

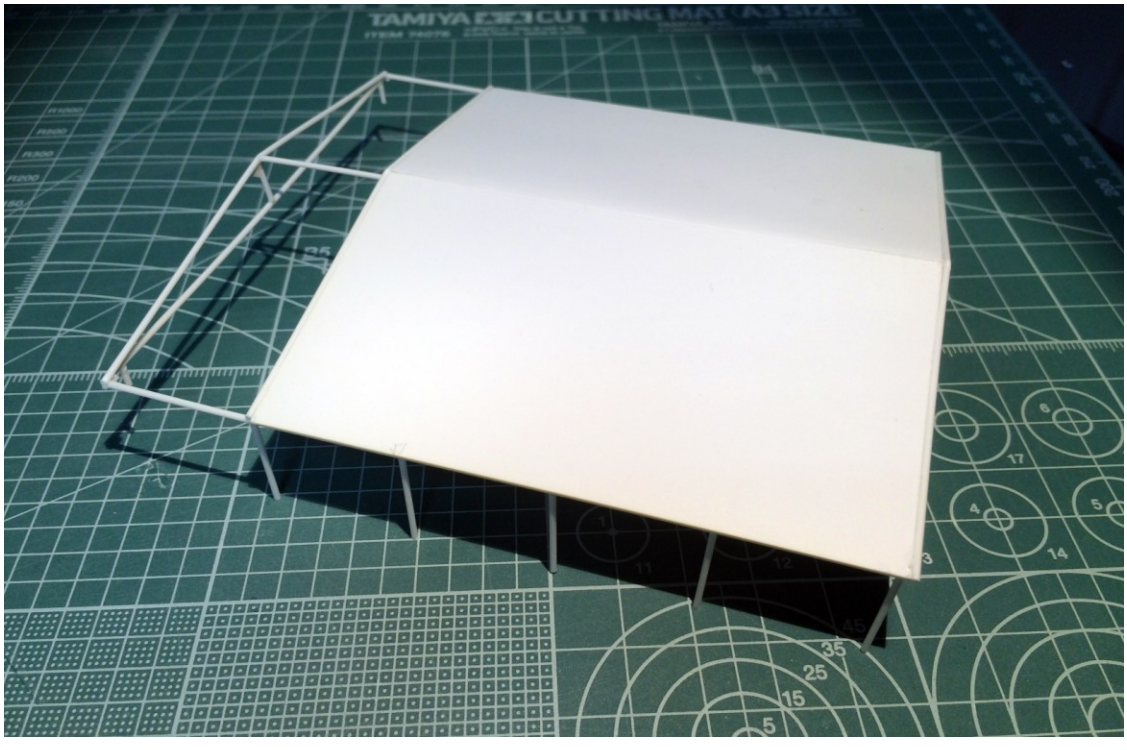
Use this longer pipe for swivel strainer in the up position.



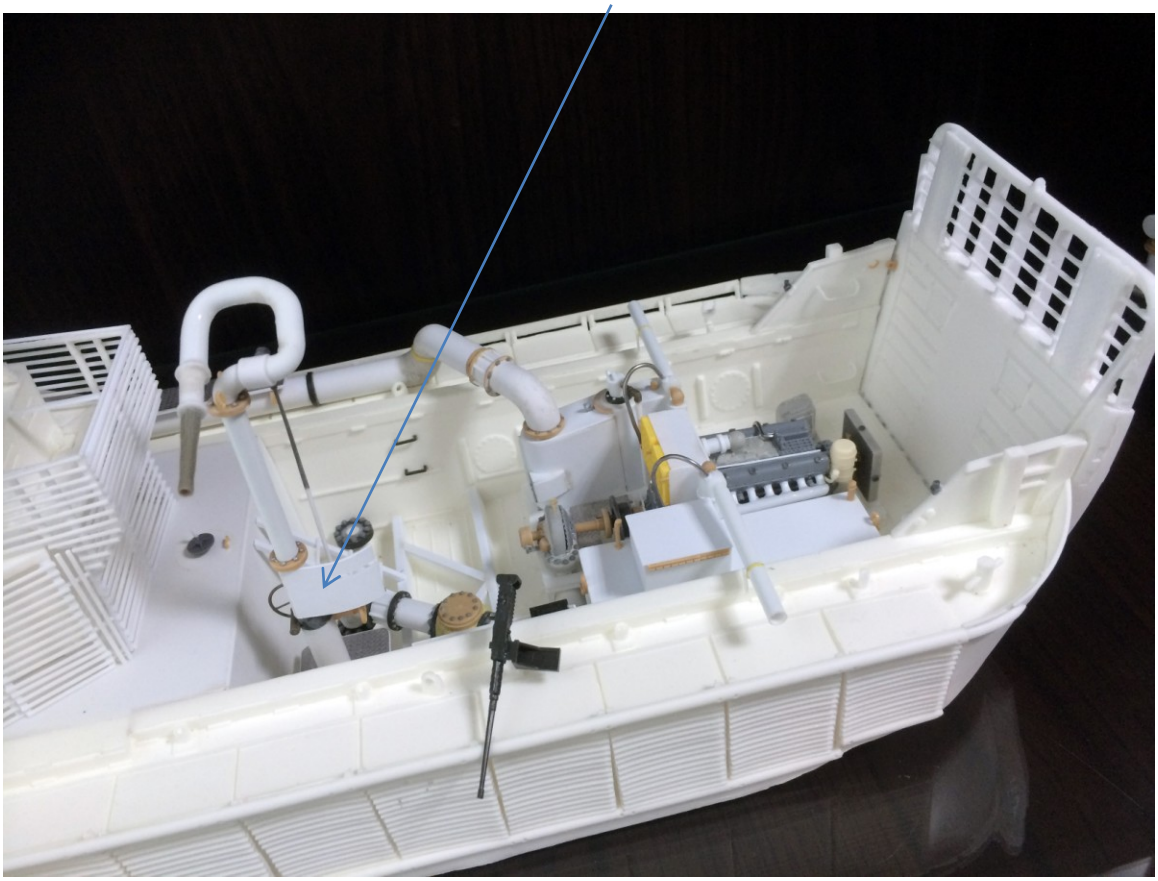
Swivel Strainer in the down position.

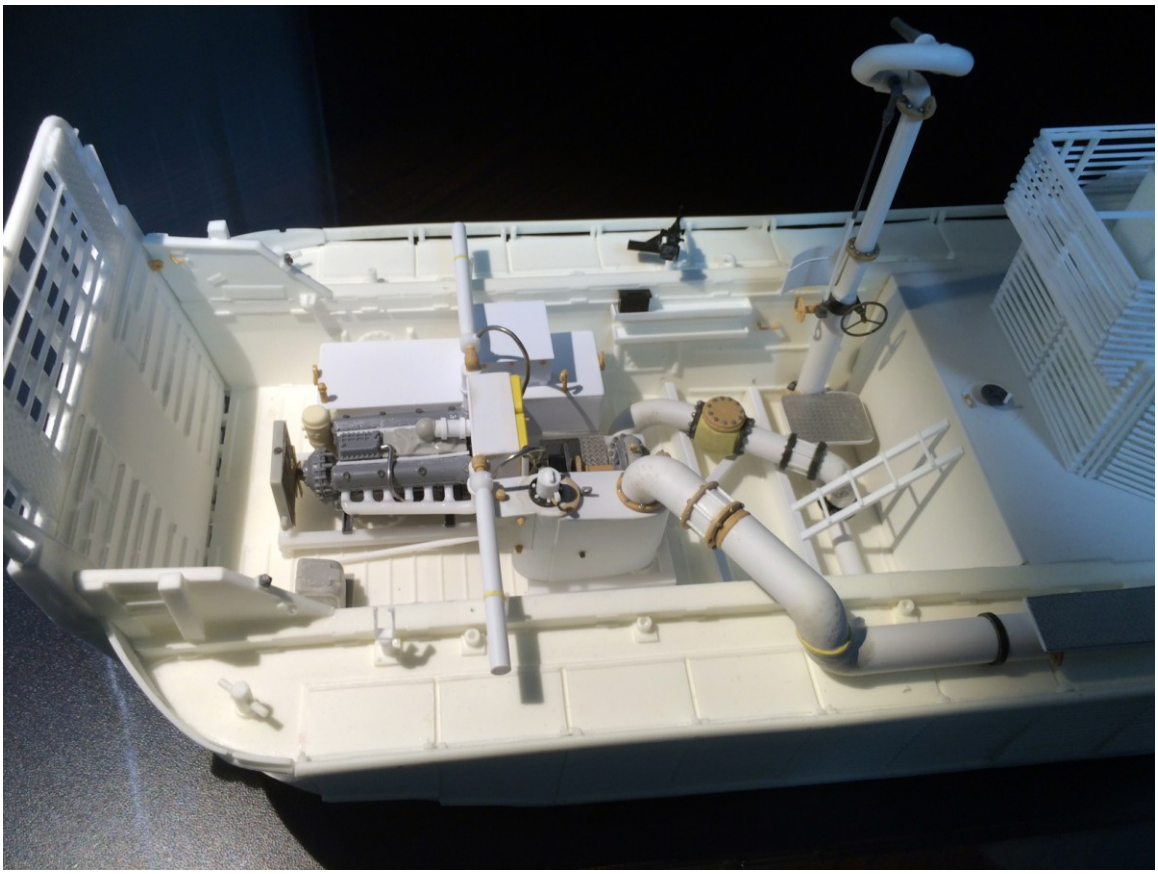


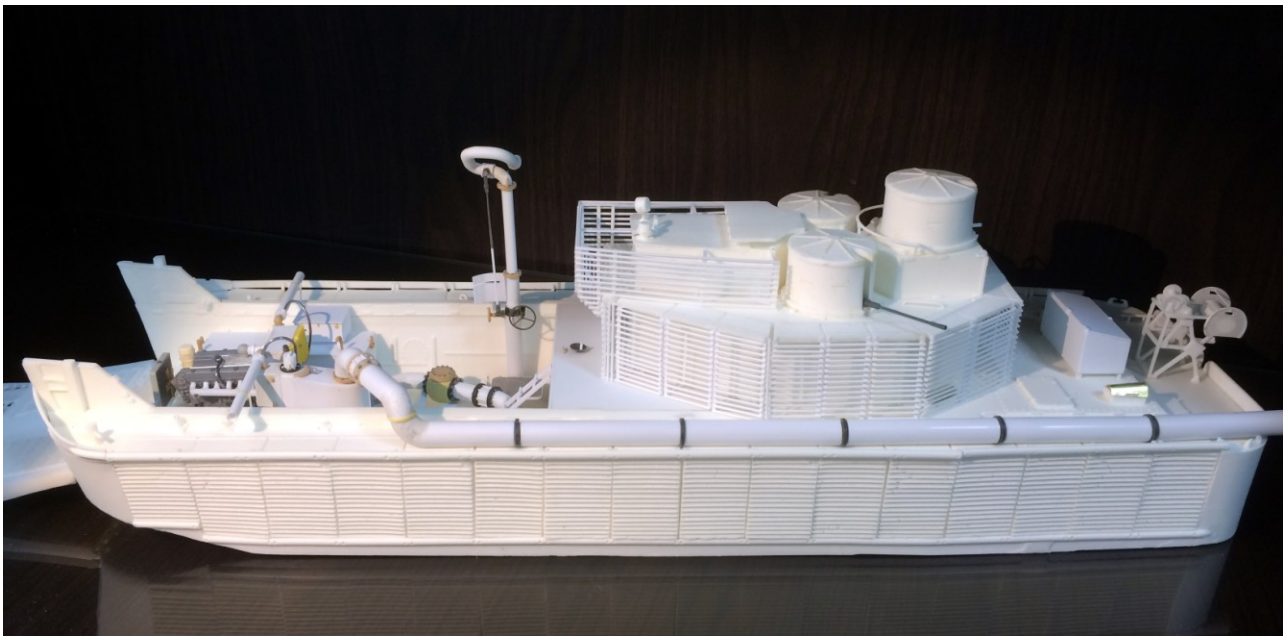
Canopy is optional.



Proper placement of parts inside the well deck. Don’t forget You will need to build 2 water cannons.







The completed ATC(W). If you need more details on assembly please visit the facebook page for Brown Water Enterprises:

https://www.facebook.com/pages/Brown-Water-Enterprises/353948241355133