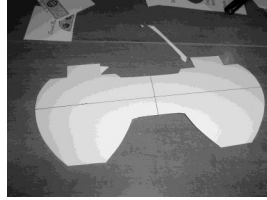


Make Your Own American Turtle

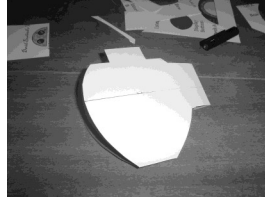
Step by Step Instructions



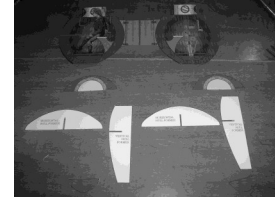
1. Start by cutting out the interior sections
At the bows make a snip on the edge of the paper. There is a little black mark there.



2. Turn the paper over and draw a horizontal line between the two snips, draw a vertical line along the center of the rudder.



3. Score and fold along the vertical line.

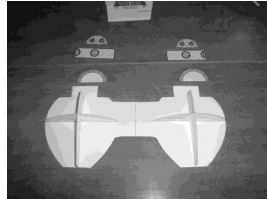


4. Cut out the Decks, the bottoms and the Hull Formers.

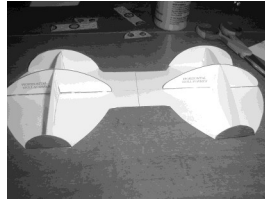
Note: If you are making a display model use the Display deck, Display bottom and Display lid. The display model will not open up to show the interior.



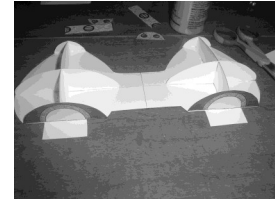
5. Assemble the Hull formers and apply a bead of glue along the bottom edge.



6. Using the horizontal line as a guide, glue the formers into place. **Let them dry.**



7. Glue the bottoms against the hull formers.



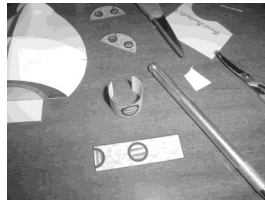
8. Glue the decks to the hull formers, make sure the hatch opening lines up.



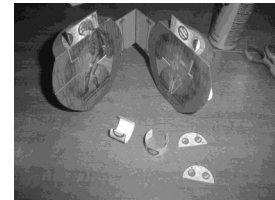
9. Cut out hatch A & B and use your knee and a rod to gently curl the parts



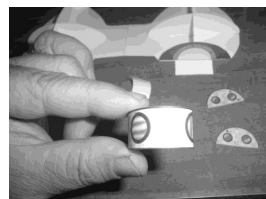
10. Roll the parts back and forth to curl them.



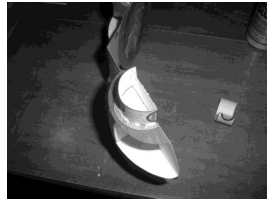
11. Note the porthole is closer to the top of the hatch than the bottom.



12. Pre-shaping and test fitting each part before gluing is important.



13. Starting at the forward porthole glue the hatch in place.



14. Line the hatch up with the line on the deck. Then glue on the lid. The lid with two dots goes on Ezra's side.

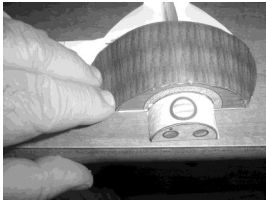


15. Note there is extra hatch. Trim this after it has dried



16. Cut out and curl the upper and lower hull pieces. **Make sure everything so far has dried before continuing.**

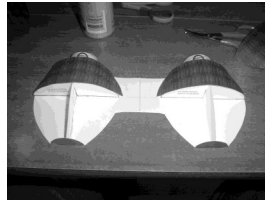
Instructions Continued



17. Starting at the bow, glue the upper hull flush with the deck and along the formers, any extra hull is pressed flat along the rudder.



18. As the hull pieces become damp from the glue you can form them into the correct shape with your fingers.



19. Glue both upper hulls first. Note: if you are making a display model you can cut the two halves of the model apart at the rudder.



20. Make sure the edges are firmly glued down and are flush.



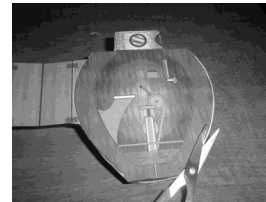
21. Apply a bead of glue along the bottom of the upper hull, along the edges and the former



22. Starting at the bow, glue the lower hull in place, Make sure it is flush with the bottom, it will be wider than necessary,



23. Do both hulls, make sure the bottom of the hull is flush with the bottom of the sub



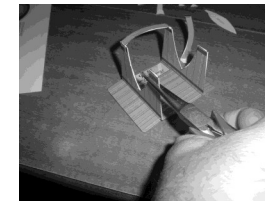
24. **Let them dry**, Then trim the excess.



25. While waiting for the hulls to dry, cut out the parts for the stand.



26. Score fold and assemble as shown.



27. Needle-nose pliers can help squeeze parts together.



28. Test fit your hull to the stand and trim the stand if necessary.



29. Glue the iron straps flush along the deck and the bottom. Remember to test fit first.



30. Apply a large bead of glue along the horizontal hull seam cover this with the large iron strap.



31. The large iron strap effectively camouflages the seam between the upper and lower hull.



32. Get some 1 1/4" inch brass brads and a piece of copper wire 2 3/4" long. Bend them as shown.

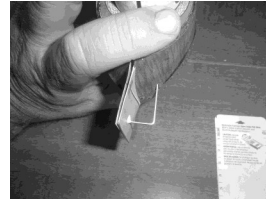
Instructions Continued



33. Glue on the rudders. Note: one rudder has a black dot in the middle.



34. The rudders should cover the iron band. This will make the rudder thicker in the



35. Push the wire into the hull just above the band as shown and glue the wire to the dot



36. Glue the ballast vent in place on the hull.



37. Use thin needle-nose pliers to form the auger and glue it



38. Before cutting the barrel staves, curl the whole piece of the cask



39. Glue it into a cylinder, then cut the staves apart.



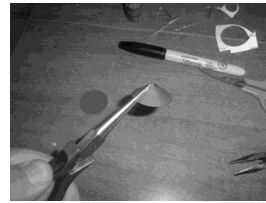
40. glue the flaps under each stave. Use needle-nose pliers to pinch the flaps into place.



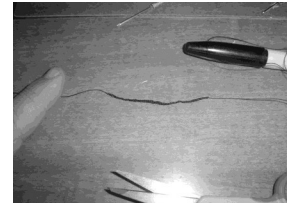
41. Before gluing on the last cask end. Poke a hole in it with a brad.



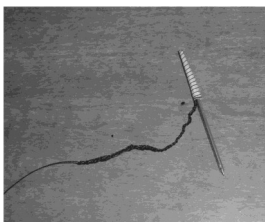
42. Cut out the ballast weight pieces and color the back side of the cone and the edges of the top, black



43 Use needle-nose pliers to form the cone. Let it dry. Glue the top on the cone.



44. Get a long piece of black or brown thread. Crochet loop it until you have a thick piece about 2" long to simulate a rope or chain.



45. Glue the "chain" into the bottom of the auger on top of a brad. Pre poke all the brad holes in the model with a sharp pin.



46. Glue the other end of the chain into the cask, use a brad to hold it in. It looks like a brass plug.

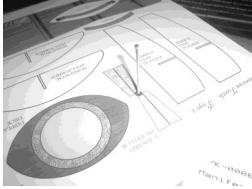


47. Glue the auger in place and the snorkels. Only glue the cask to Ezra's side so you can open the model.



48. Glue the ballast weight to the bottom of the port side only. (the one without Ezra) so you can open the model.

Instructions Continued



49. Pre poke holes in the propellers before you cut them out.



50. Cut out the propellers, score fold and glue them then mount them on brass brads.



51. Insert the brads into the hull as shown. All done.

