

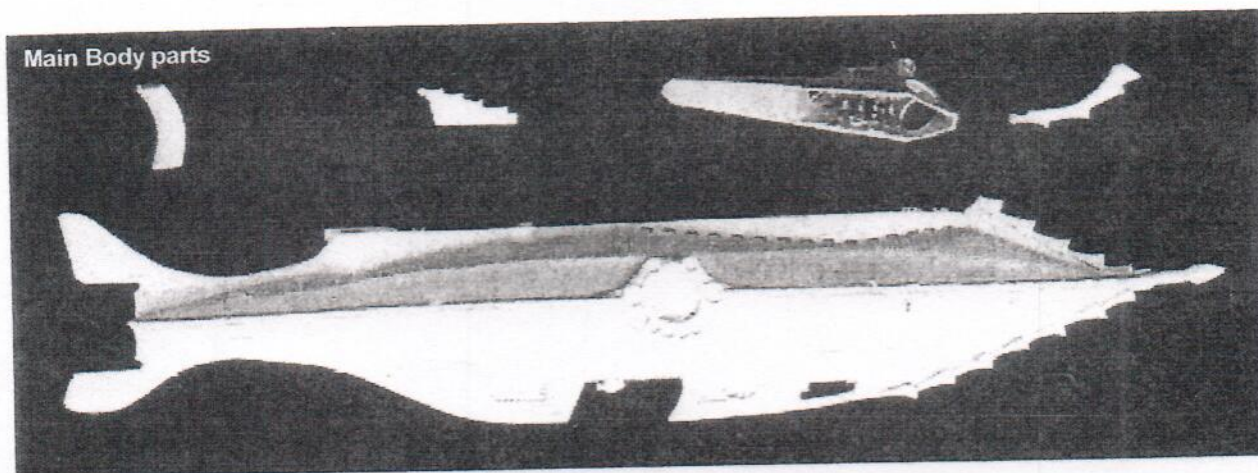
16" Nautilus from 20,000 Leagues Under Sea

Necessary tools:

- X-Acto knife and blades
- Tweezers
- Miscellaneous files and sandpapers
- Cynoacrylate & Epoxy glues
- Testor's clear plastic cement

Paints:

- Model Master's Flat Euro Gray
- Model Master's Flat Black
- Model Master's Rust
- Model Master's Metallic Gray
- Model Master's Gunmetal
- Model Master's Metallic Gold
- Model Master's Metallic Brass
- Model Master's Red



1. Remove all parts from the box and inspect for any possible damage, or missing parts. The parts manifest is listed in the gray box directly opposite of this paragraph.
2. It is a good idea to soak all the parts in a mild dish detergent to remove all mold release residues. The white metal parts generally do not need to have any special cleaning, other than to remove the flash (if any).
3. Once all the parts are cleaned and dried, find the base plate and two upright supports and using cynoacrylate glue (zap filling or medium is best for this step) apply two small droplets on to the scribed areas where the uprights are to be positioned. After installing both uprights, prime with a suitable primer, and set aside to dry thoroughly. To finish the base, it is recommended that you use a dark color to provide a suitable amount of contrast to the submarine's rust brown. The featured base in this build-up was sprayed a Metallic Gray with a Gold plaque and Red lettering.

Parts Manifest

- | | |
|--------------------|---|
| 1. 1 Main body | 12. 1 Set 4/6 mm wig-gly eyes for windows |
| 2. 1 Wheelhouse | 13. 1 Base |
| 3. 1 Front Rake | 14. 2 Base supports |
| 4. 1 Dorsal fin | 15. 1 Wheel & 2 levers |
| 5. 1 Rudder | 16. 1 Speed screw |
| 6. 4 Hatches | 17. 3 Tiny hatch wheel pins |
| 7. 3 Hatch wheels | 18. 1 set of clear domes |
| 8. 2 Iris inserts | |
| 9. 4 Prop supports | |
| 10. 1 Prop ring | |
| 11. 1 Prop | |

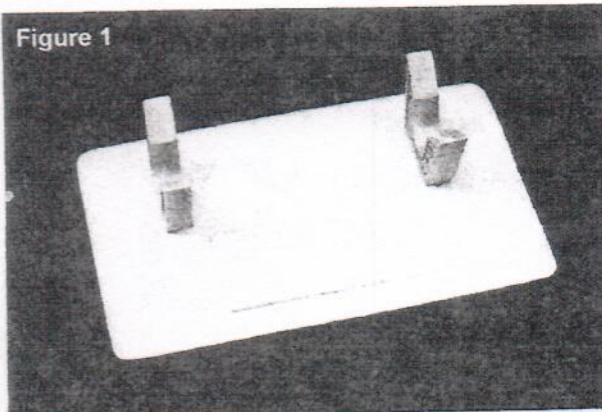


Figure 1

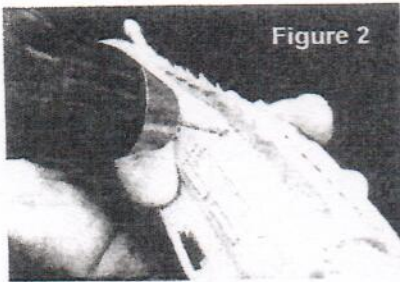


Figure 2

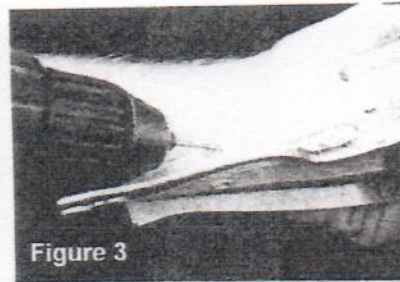


Figure 3

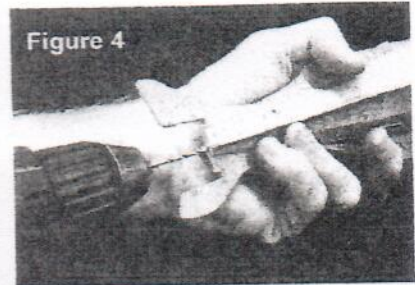


Figure 4

4. Install a .078" drill bit (#47) into a drill and carefully bore into the anchor cups about 1/2" in depth. Use the angle shown above in figure 2. Use a .089" drill bit (#43) for the rear prop guards and rear prop shaft (1/8 " deep) as shown in figures 3 and 4.

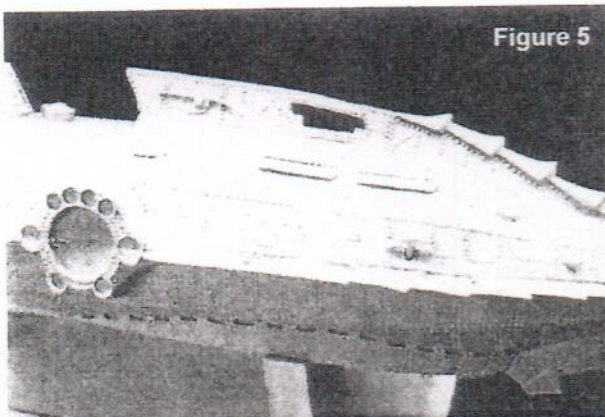


Figure 5

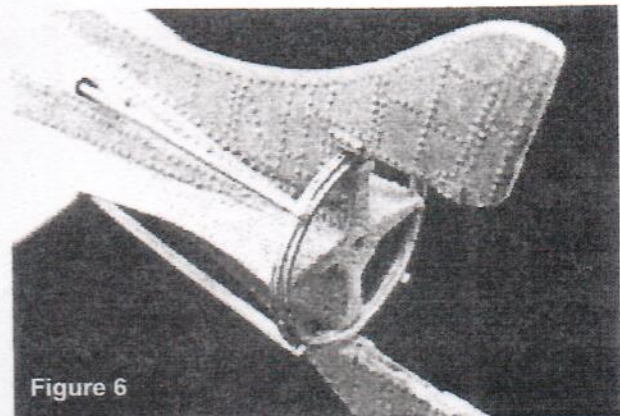


Figure 6

5. Add a small drop of cyanoacrylate into each of the anchor cups and position the white metal anchors in, until they are seated as shown in figure 5. Turn the submarine over and using medium cyano gap filling glue, add a small drop at the top and bottom of the white metal prop ring. Note the ring has a grooved edge that has the thicker end towards the body. Next, carefully add each of the 4 white metal prop supports into their respective mounting holes. Make sure the each is at the following positions when viewed from the rear: 2 o'clock, 4 o'clock, 8 o'clock, and 10 o'clock. (45 degrees between each top and sides)

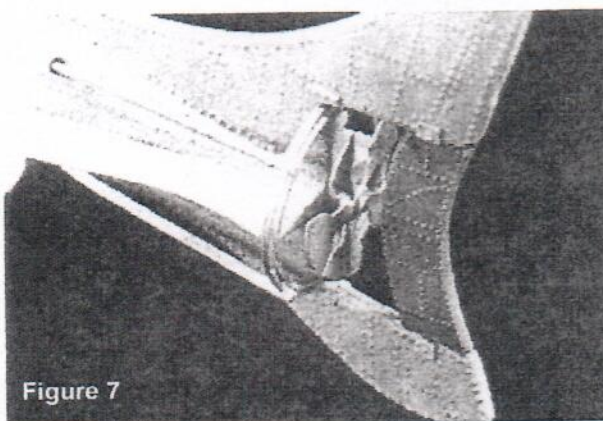


Figure 7

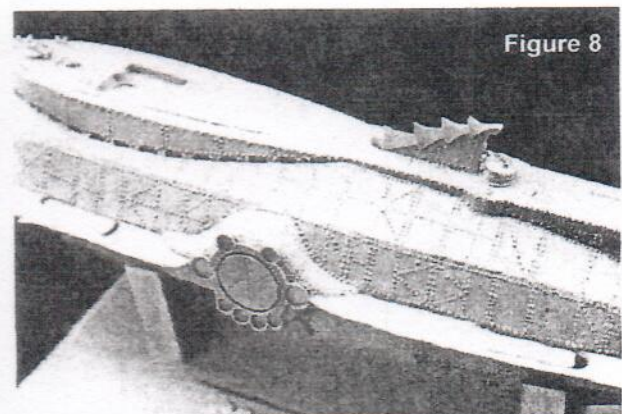


Figure 8

6. Figure 7 shows the installation of the rear prop, and rudder. As you can imagine the former must be installed first, with the latter needing probable trimming, or adjusting, to ensure a proper fit. Figure 8 shows how the iris, dorsal fin, and white metal hatches are all attached.

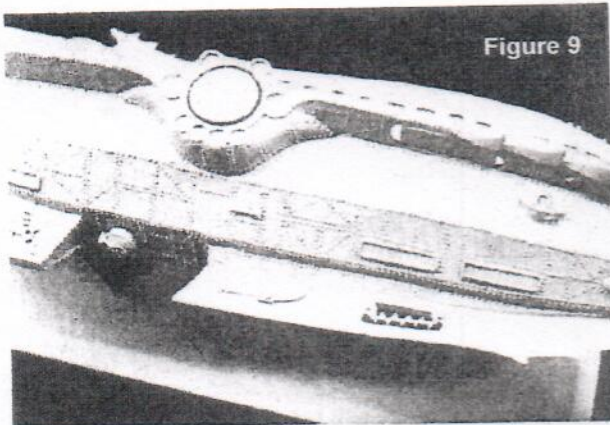


Figure 9

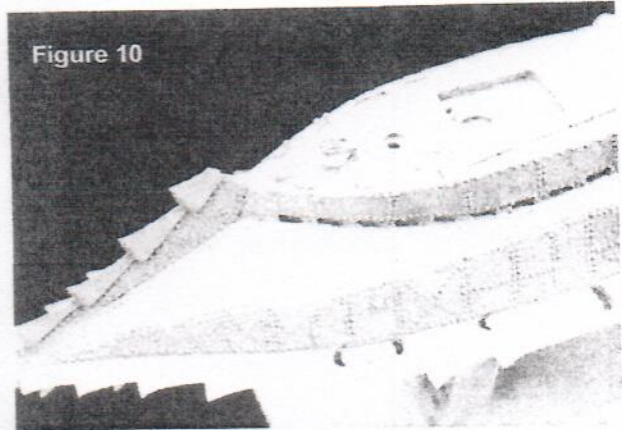


Figure 10

7. Figure 9 shows the installation of the white metal speed screw, into the lower forward raker arch compartment. Make sure to carefully file and trim this area for a proper snug fit. Figure 10 shows the placement of the forward hatch wheel. Drill and place the tiny pins provided into the centers of the hatch wheels to keep the connected to the hatch.

Figure 11

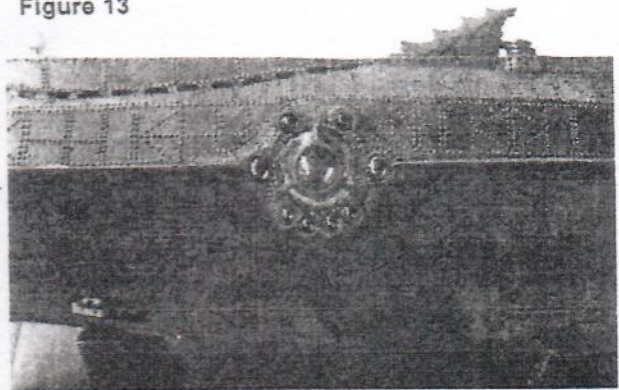


8. Figure 11 shows the submarine and base after they have both been primed and thoroughly dried. The color of the Nautilus is made up of two color steps: 1. The base coat — 2 parts Model Master's Euro Gray to 1 part Model Master's Rust, to 1/2 part Model Master's Flat Black. Paint all body parts that color and allow to dry. 2. Use Model Master's Rust as a highlight color for the overall warming tone of the boat.
9. Next, paint the interior of the wheelhouse Model Master's Metallic Gray, and allow to dry. Cut the eyes from two 4mm wiggly eyes and use the Testor's clear cement put them in. Cut a small piece of clear butyrate for the rear wheelhouse window, and install that as well.
10. The base should be readied from Step 1 on page 1. Add small thin black felt pads to the upper regions of the support arms to keep from scratching the finish of the submarine.

Figure 12



Figure 13



11. Find the Wheel stand, Wheel, and Levers. These white metal parts should be carefully tweaked to make sure they are straight, and should be primed lightly before painting Model Master's Brass (figure 12).
12. Figure 13 shows the salon windows, main dome, and tri-spoke installation. Cut the black wiggly eye from the clear bubble and install into frame holes as shown.



Figure 14

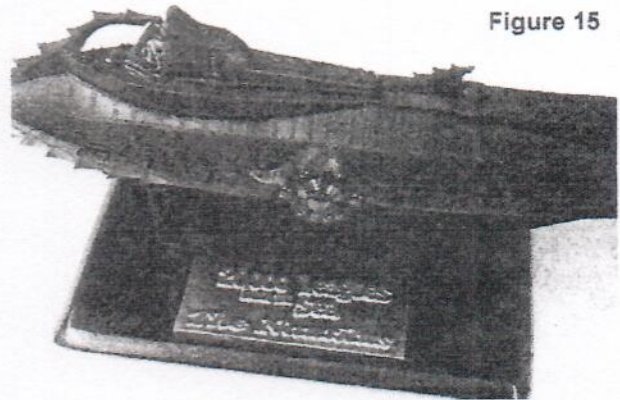


Figure 15

12. Figure 14 shows the Testor's clear parts cement that has been recommended for use on all the clear parts thus far. The above shows the two wheel house bubbles being installed. Remember to cut a small piece of clear butyrate for the rear wheelhouse window and install as well.
13. Once everything has dried, and you are happy with the wheelhouse interior parts look, use cyno and carefully cement the wheelhouse to the main deck. Also, install the front raker to the top front edge of the wheelhouse, between the alligator eyes.

