31 inch Nautilus Exterior Upgrade

Dive Control Lever Assembly
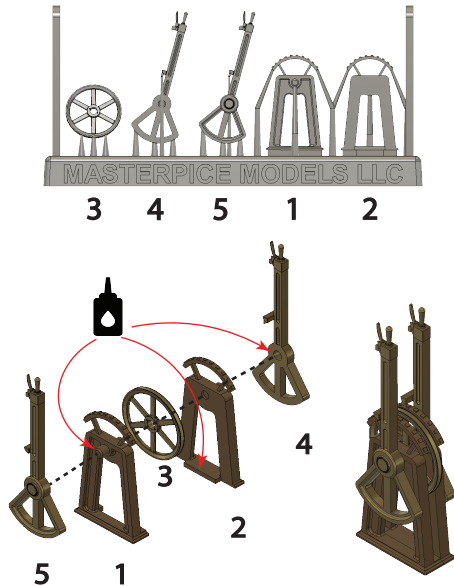
3   4   5   1   2

5   1   3   2   4

Carefully, remove parts from support block. When needed, sand any nubs from the supports on the parts.

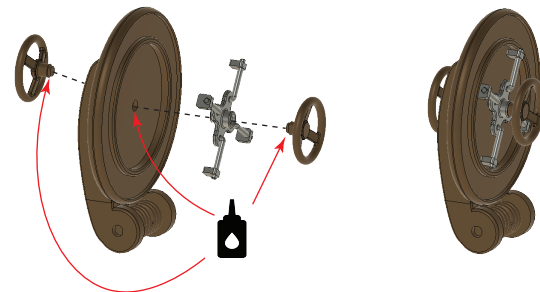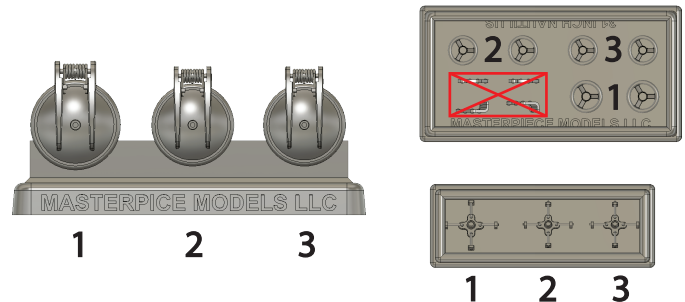We advise to paint parts 1,2 and 3 prior to assembly.

1.   Part 3 may need the center hole cleaned up with a hobby drill to freely fit the peg of part 1. There is no need to glue part 3 to part 1.
2.   Attach parts 1 and 2 at the base and at the wheel pin.
3.   Attach parts 4 and 5 to center assembly.

Tools Needed

Drill bits, flush cutter, razor saw, hobby knife, CA Glue

Hatch Assembly

1   2   3

2   3   1

1   2   3

Carefully, remove parts from support block. When needed, sand any nubs from the supports on the parts.

All three hatches have the same assembly process, however, pay attention to the fact there is one large hatch and two small hatches. Ensure that the proper parts are used for the coresponding sizes. Use the image above to locate the correct parts for each hatch.
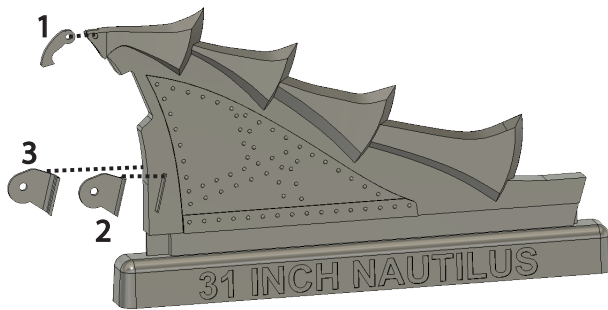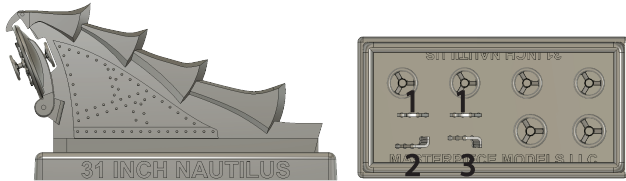
We advise to paint the parts prior to assembly if you intend to have the latch a different color than the hatch.

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3D Modeling and instructions by Chris Benshoof   3D printing and casting by Masterpiece Models LLC

Dorsal Fin Assembly

Carefully, remove parts from support block. When needed, sand any nubs from the supports on the parts.

The dorsal fin has just a few components to assemble. There is a small modification you will need to do to make the hatch and hatch clasp functional. This will involve a small ammount of cutting and some drilling.
To complete the dorsal fin assembly, you will need hatch #1 (the largest hatch)

Tools Needed

Drill bits, flush cutter, razor saw, hobby knife, CA Glue

Using a fine tooth razor saw, cut connecting tabs between hinge and spring.

Using a 0.6mm drill bit, drill hole through hinge and spring pack. Take care that this is drilled straight!

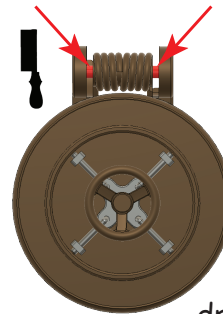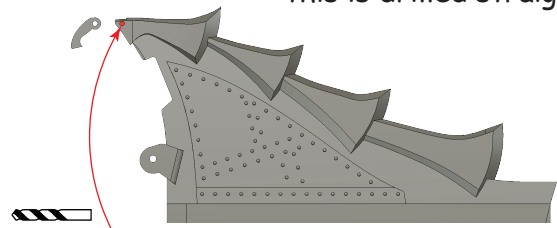Using a 0.5mm drill but, drill hole through dorsal fin. Take care this is drilled straight!

To make the hatch clasp (1) functional, insert a section of 0.05mm brass rod through the previously drilled hole.
Use a small amount of CA glue on the outside of the dorsal fin; sand smooth.

To make the hatch functional, insert a simulated bolt from the bolt block. Take note that one side should have a flat bolt head and the opposite should have the simulated nut. Use a small ammount of CA glue on just the bolt/ nut connection. Do not apply glue to the rod section. If done correctly, the hatch should now swing.
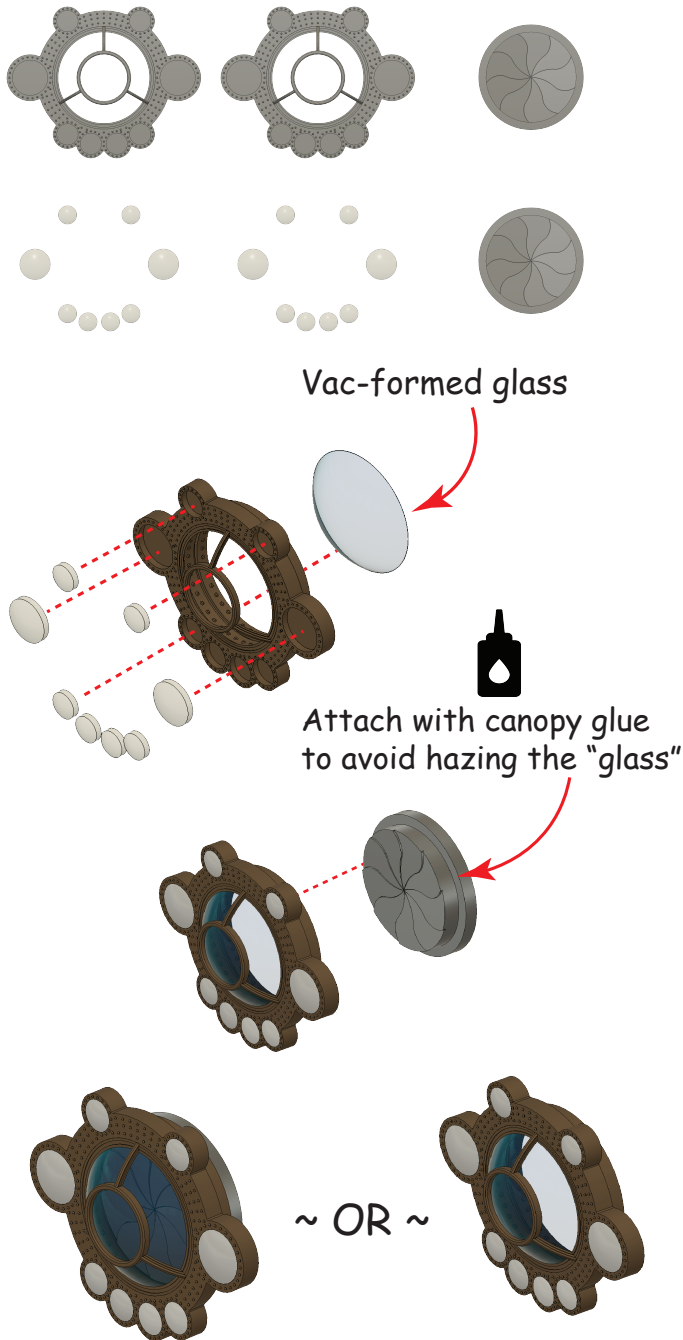
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Salon Window Assembly

Vac-formed glass

Attach with canopy glue to avoid hazing the "glass"

~ OR ~

Tools Needed

Drill bits, flush cutter, razor saw, hobby knife, Glue

Before assembly, we recommend painting all parts prior to gluing together as there are several clear parts to this assembly you do not want painted.

The new salon windows are quick and easy to assemble. Care should still be taken while assembly is done. Before you begin, Decide if you will have the iris open or closed. If open, do not install the iris.
If closed, you must remove the rivets from the inner ring of the frame to allow the iris to tightly seat in. Carefully cut the vac-formed glass and attach to the inside of the frame with canopy glue.

Before attaching the clear cast lenses, you need to decide if you will be using a lighting kit for your model. If you will be lighting this kit, you will need to drill appropriate holes in the centers of each spotlight to the size of your chosen LED's.
After you attach any LED's or for non lighted builds, attach the lenses with canopy glue.

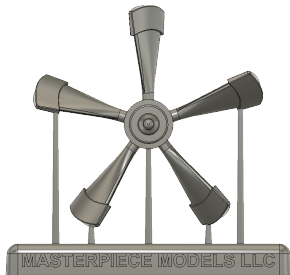Attach assembly to the Nautilus body.

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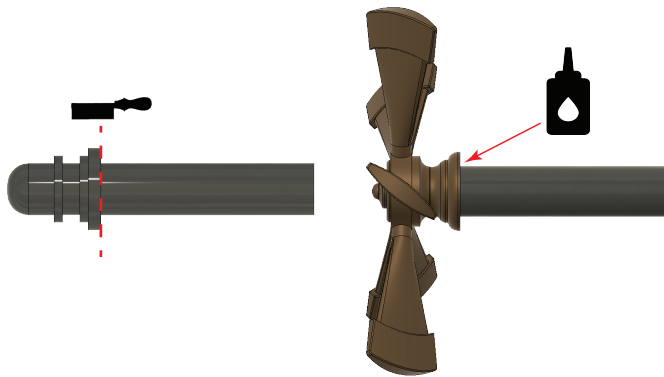
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Prop Assembly

Original Kit Part

Carefully, remove parts from support block. When needed, sand any nubs from the supports on the parts.

The prop assembly it quick and straight forward. Start by removing the decrotive end of the original kit part as shown above. Using CA glue, attach the original kit part into the corasponding hole of the new prop.

Tools Needed

Drill bits, flush cutter, razor saw, hobby knife, CA Glue

Skiff Assembly
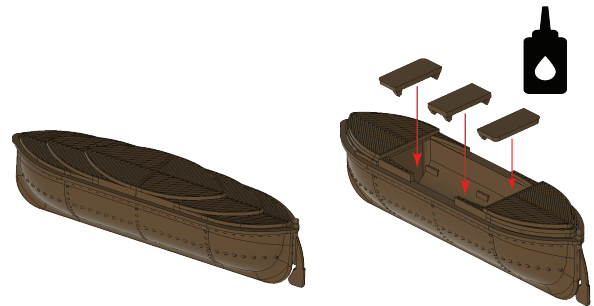
You have two options for displaying the skiff: Closed or open.

If you choose to have it closed, horray - you're done!

If you choose to have it open, its a simple process of installing the benches into their proper places. See image above, right.
Display oars how you see fit.

The only remaining part to assemble is the wheel and stanchion. This is as simple as carefully removing the parts from the carrier and using a small amount of CA glue to attach the wheel to the stanchion. You may need to open the hole for the wheel with a small hobby drill for a good fit.

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