

# MINIATURE SCENERY

## INSTRUCTIONS HMS SIREN SLOOP OF WAR

### Preparation

You will need:

- Cutting mat or something to protect your table.
- PVA/Wood glue or superglue if you prefer.
- Small file or sand paper.
- Small blade / hobby knife



### General Process

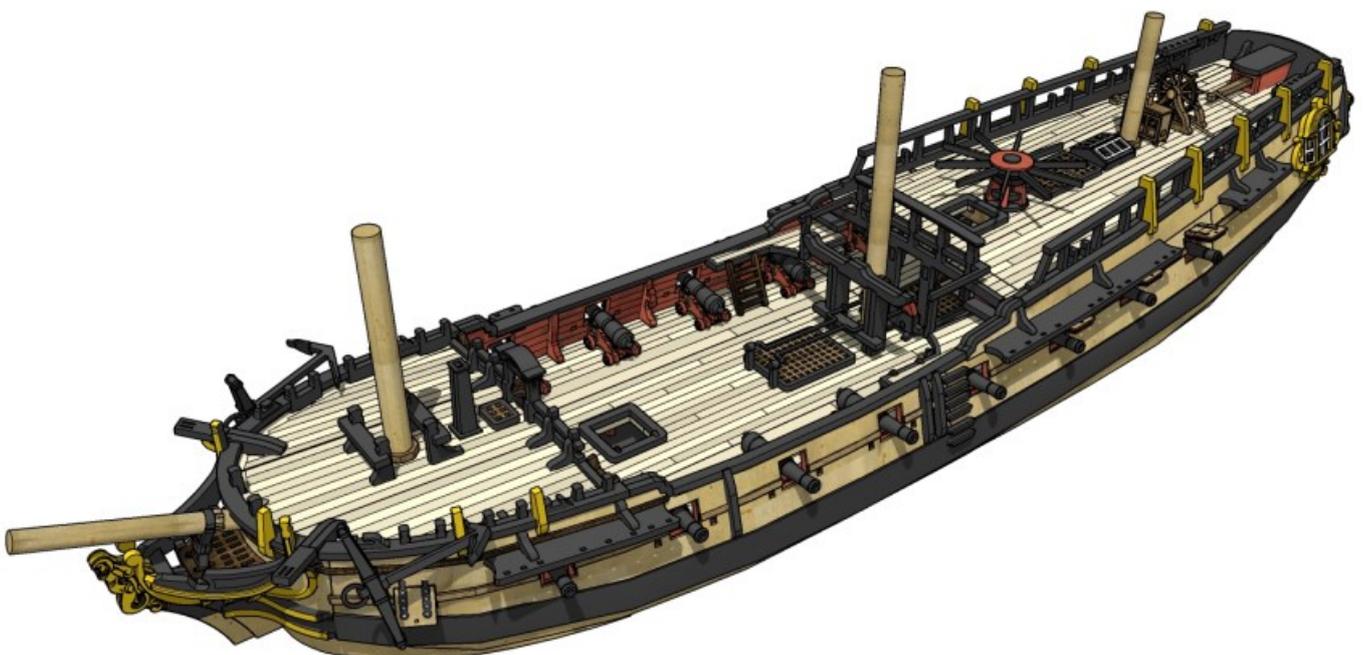
- Clear plenty of table space, you will need it.
- Parts should remove easily from the board by pressing through and popping them out. It's a good idea to cut through the tiny joins first though, and some parts (particularly smaller, more detailed parts) may need more careful persuasion.
- Use file or sand paper to remove the small bur caused by the connection to the frame.
- It's a good idea to familiarise yourself with how the pieces fit together before gluing.
- Slot the parts together as shown by the pictures below, applying glue wherever there is a connection. (unless shown otherwise)
- Parts may be a very tight fit, slight trimming or sanding of parts may be needed for ease of assembly.

### Painting MDF

Mdf can be painted with any hobby paint, but we suggest that you seal it first, as the edges do tend to soak up lots of paint in a rather annoying fashion.

Diluting some PVA glue a little with water and brushing it around the edges works well.

Undercoating with standard spay cans is also highly recommended.



# HMS SIREN

16 Gun Sloop of War.

The Siren kit is made to be a faithful representation of an unrated 16 gun ship-rigged Sloop of war, based on the British Swan class of vessels built between 1766 and 1780. However, the standardisation of British vessels of the period means that it could be used to represent a ship from up to fifty years before that without too much of a stretch of the imagination.

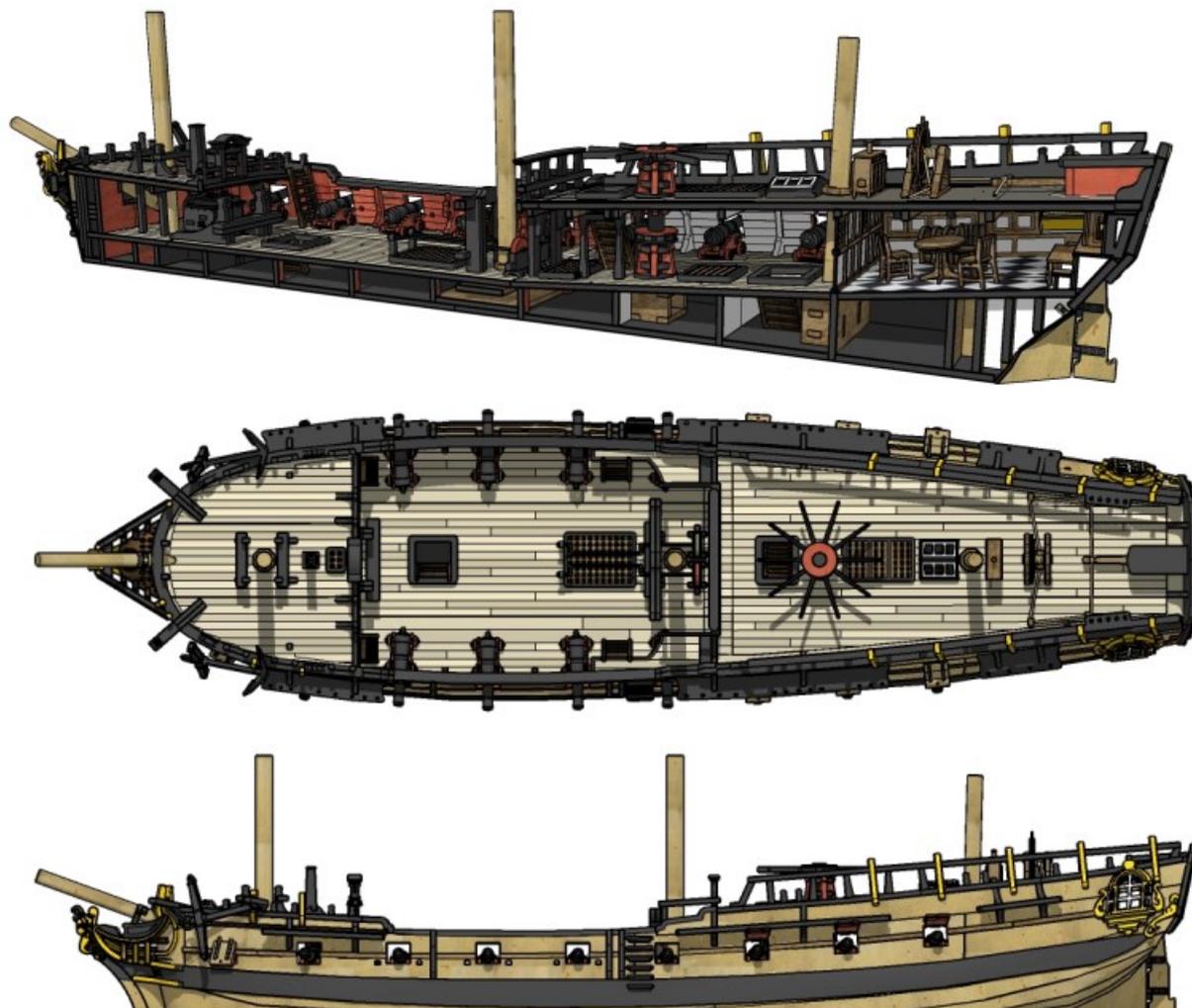
## Real Vessel Stats

Type: Ship sloop  
Displacement: 300 tons  
Length: 96 ft 7 in (29 m) (gundeck)  
78 ft 10 in (24 m) (keel)  
Beam: 26 ft 9 in (8 m)  
Depth of hold: 12 ft 6 in (3.81 m)  
Sail plan: Full-rigged ship  
Complement: 125  
Armament: As built:  
Sixteen 6-pdr long guns  
And up sixteen swivel guns.

## 1780 onwards:

Plus four 18-pdr carronades  
And up sixteen swivel guns.

Cannon were usually delivered from the Factory unpainted but were blackened by the crews using a mix of oil and charcoal to prevent corrosion.



## Painting Your Model

The following pictures show a recommended paint scheme for your model, which closely approximates the look of a typical British Navy ship of the era.

It should be noted, however, that captains of the period were free to paint their ships pretty much as they pleased, subject to the availability of paint. Whilst it was common to use a combination of black and ochre on the outer hull, other colours such as red were also seen.

Interiors were usually painted red in open areas and white to help reflect light around the enclosed spaces.

Decks were left unpainted and were quickly sun-bleached to a warm, pale grey.

Areas of trim were variously painted black, yellow or varnished natural wood.

Cannon Carriages were either red or yellow.

I found throughout construction that it was very easy and convenient to paint most large parts before assembly.



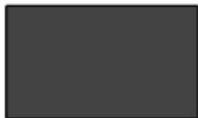
## Recommended Colours



Ochre. Also known as Buff. This varied from a pinkish sand colour all the way through to a lemon yellow. Citadel Zamesi Desert worked well for me.



Yellow. P3 Sulfur Yellow is great for this.



Black. I used a Very dark, warm grey as it looked more natural.



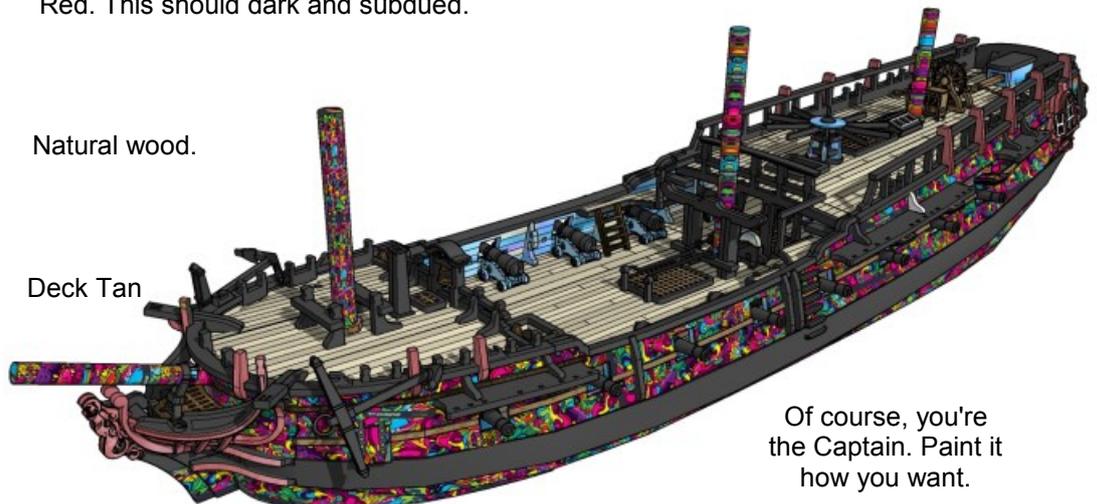
Red. This should dark and subdued.



Natural wood.

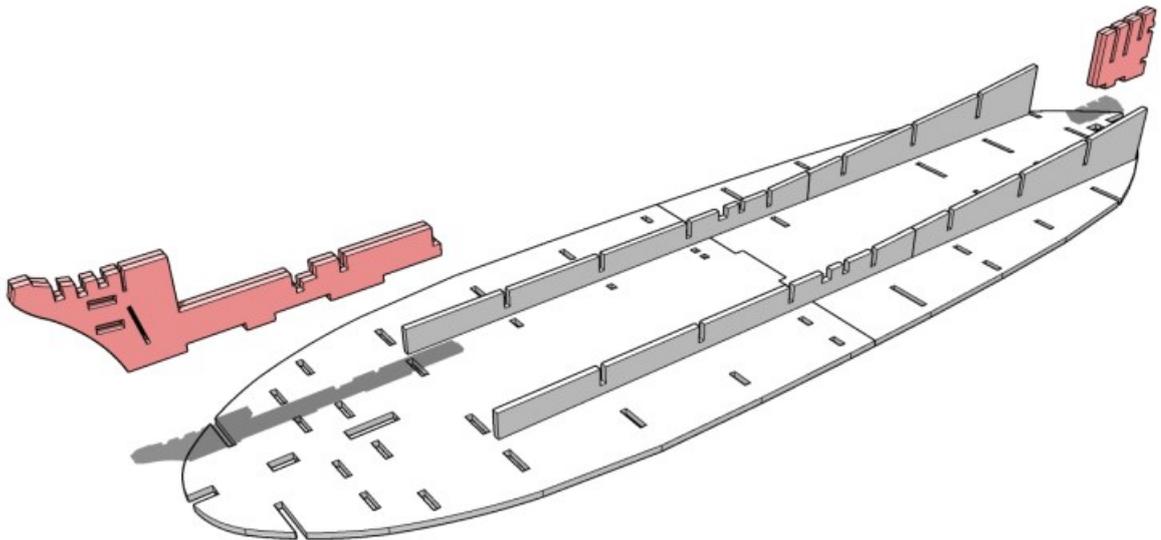
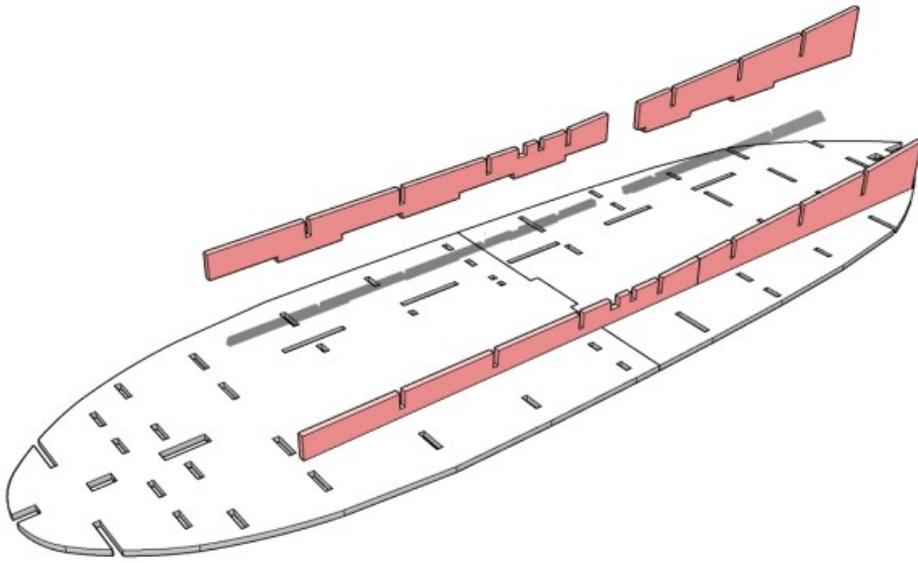
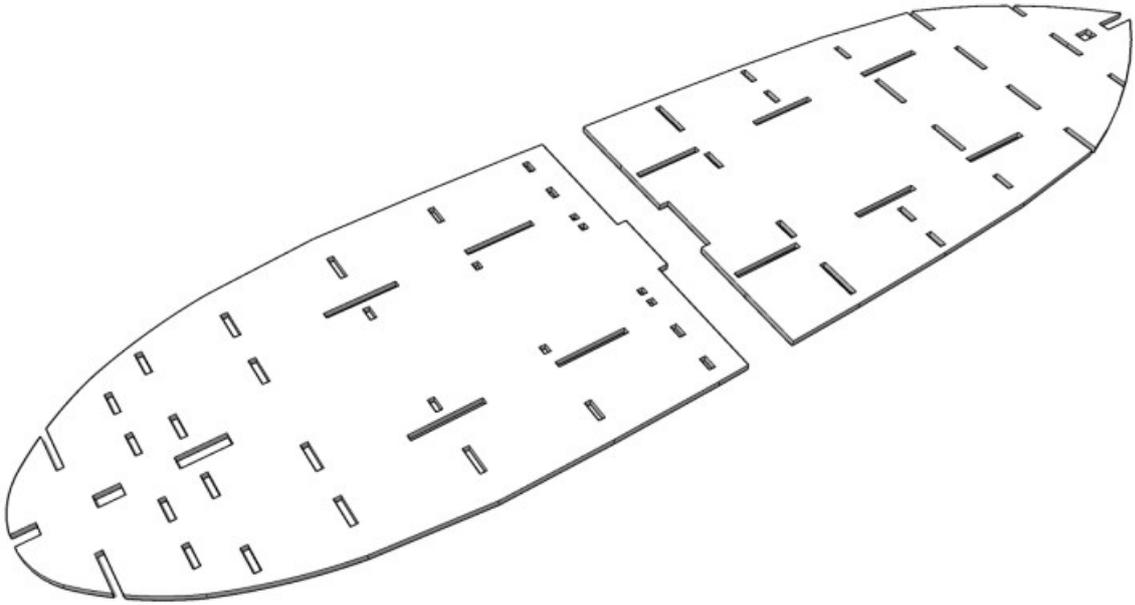


Deck Tan

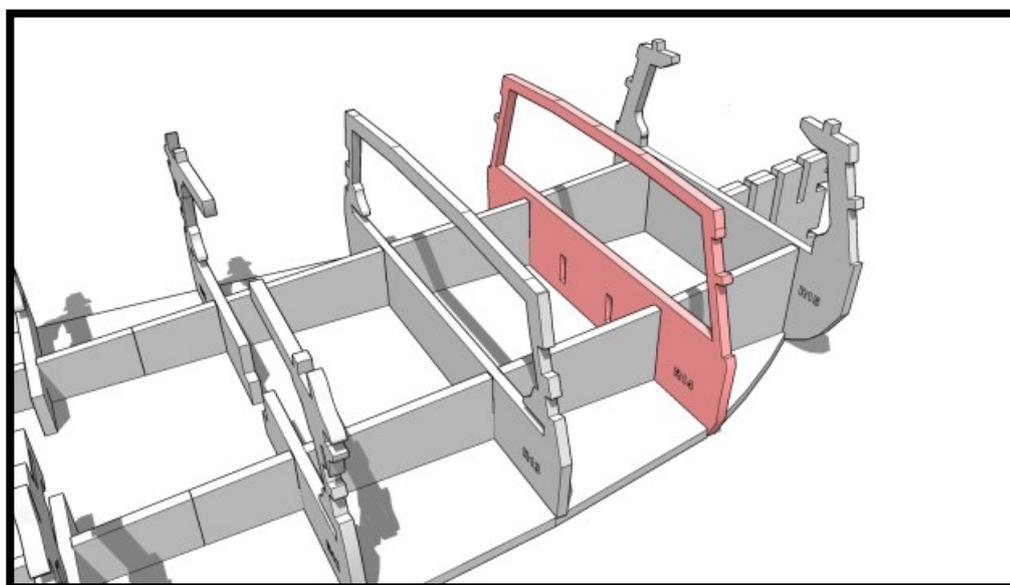
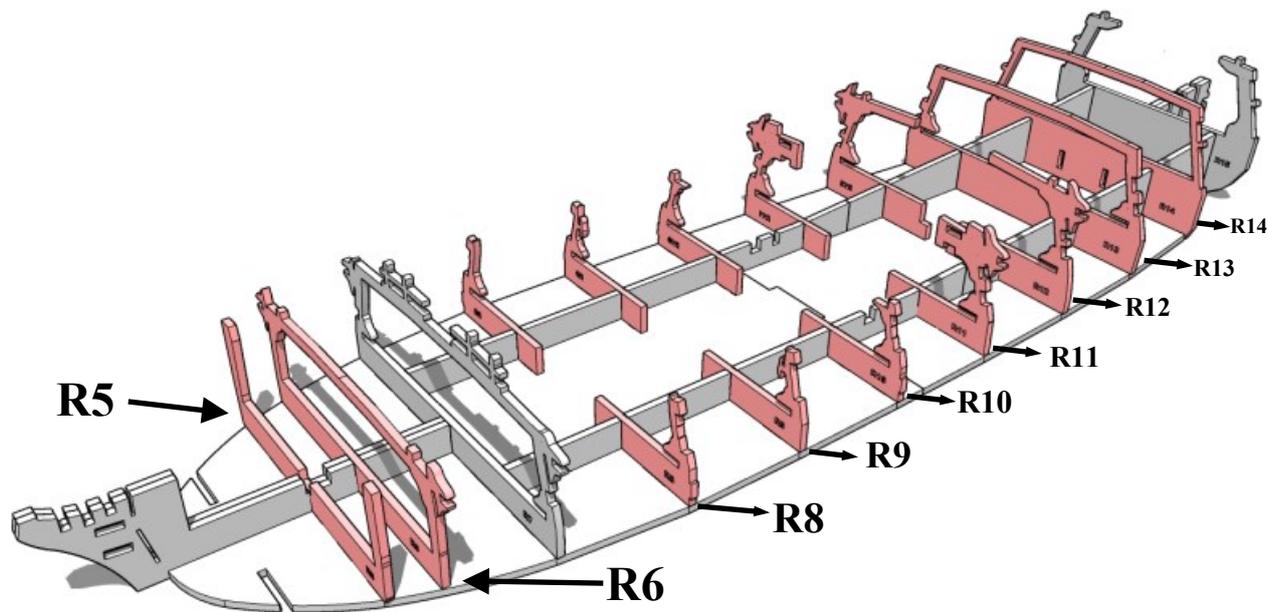
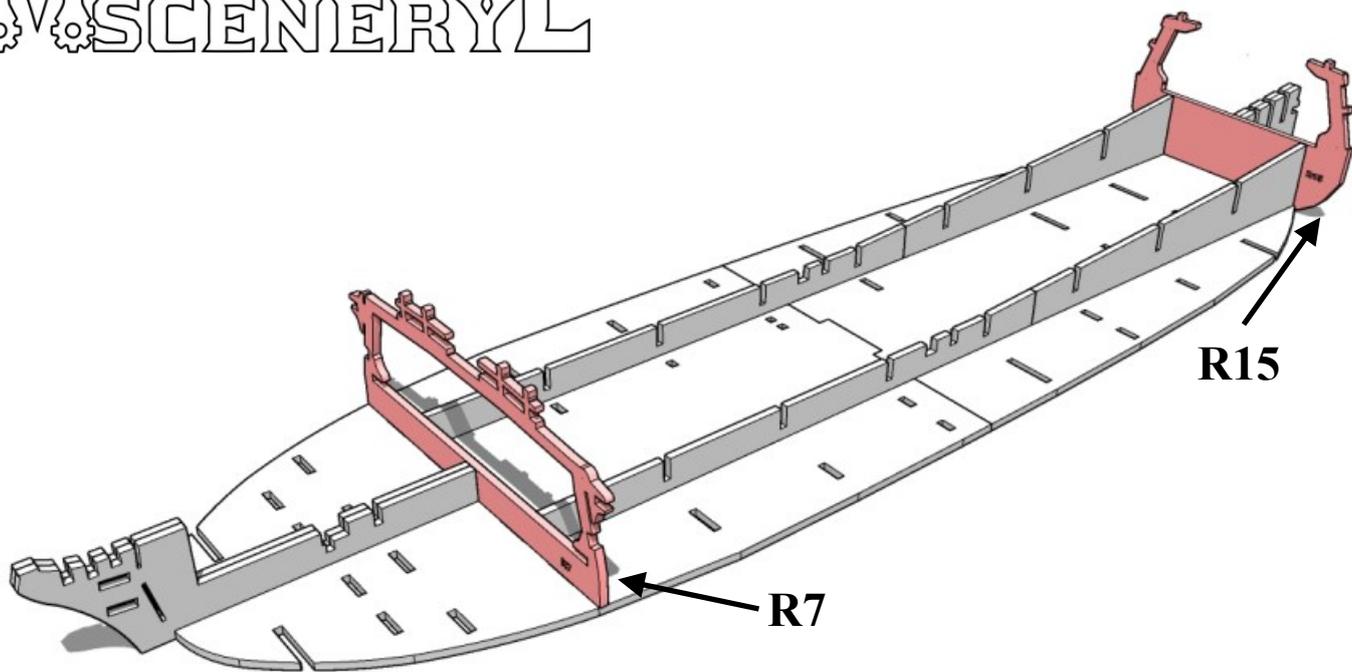


Of course, you're the Captain. Paint it how you want.

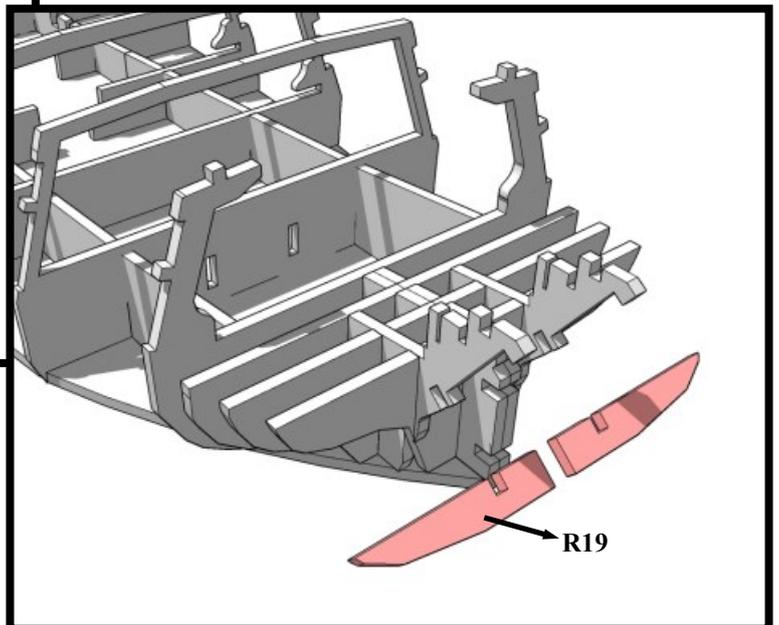
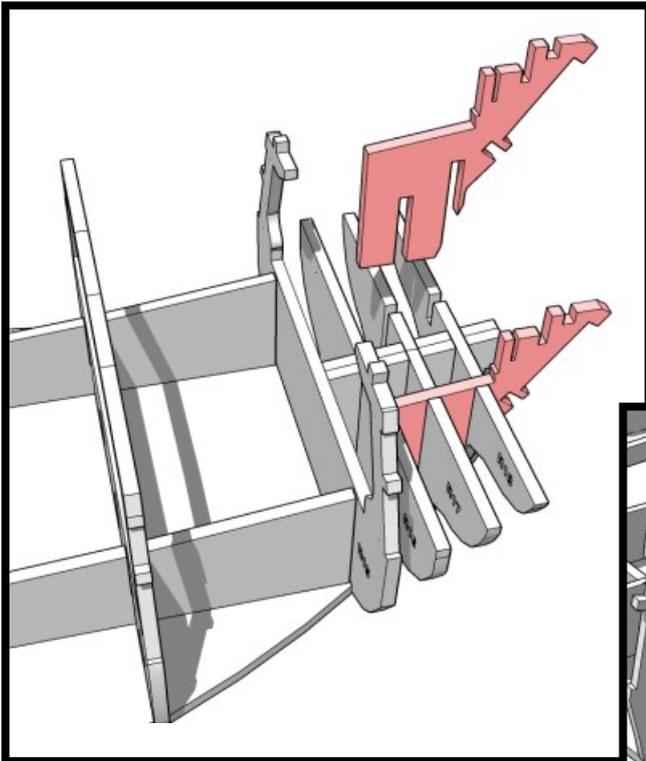
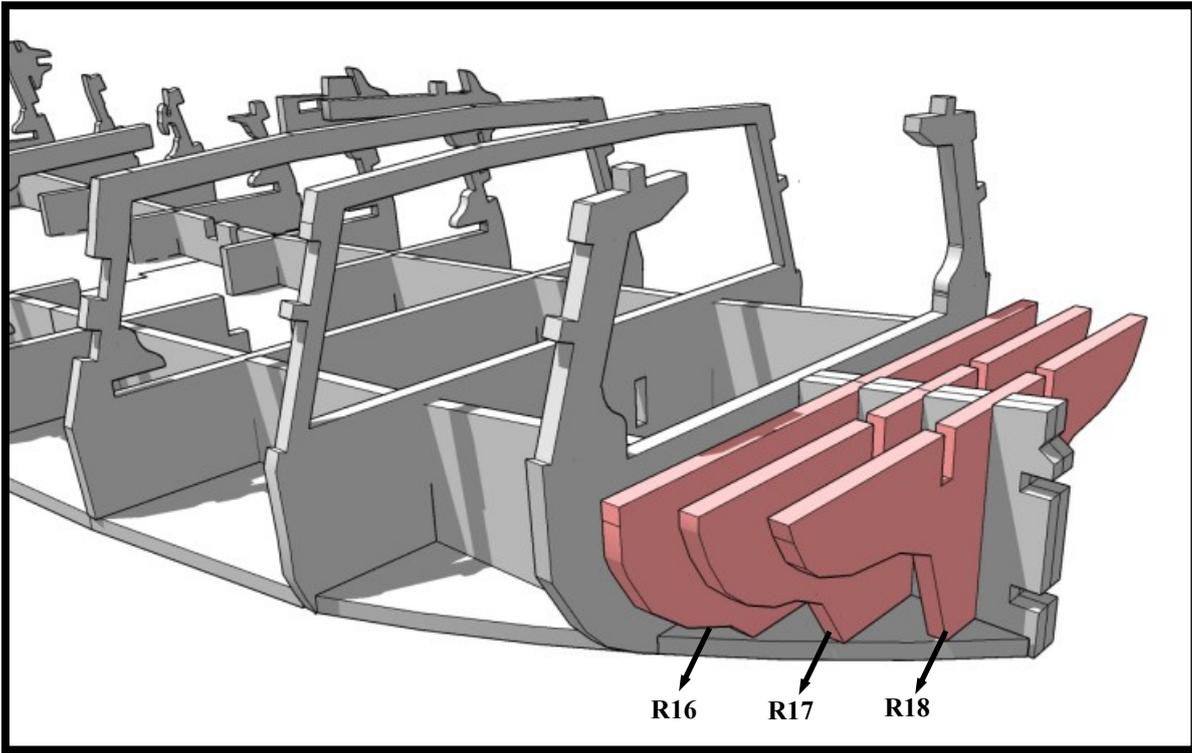
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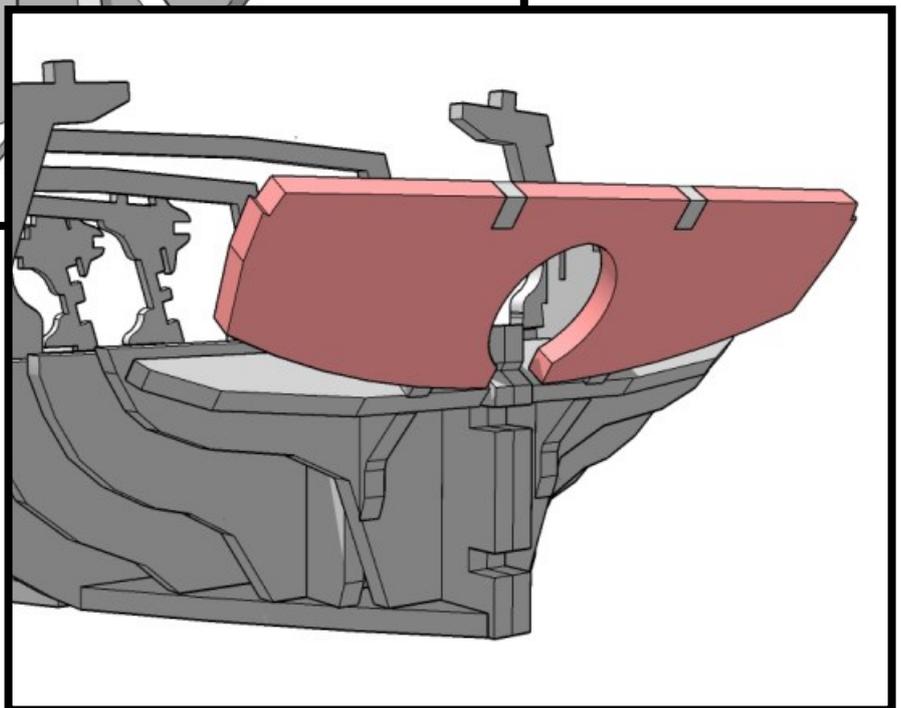
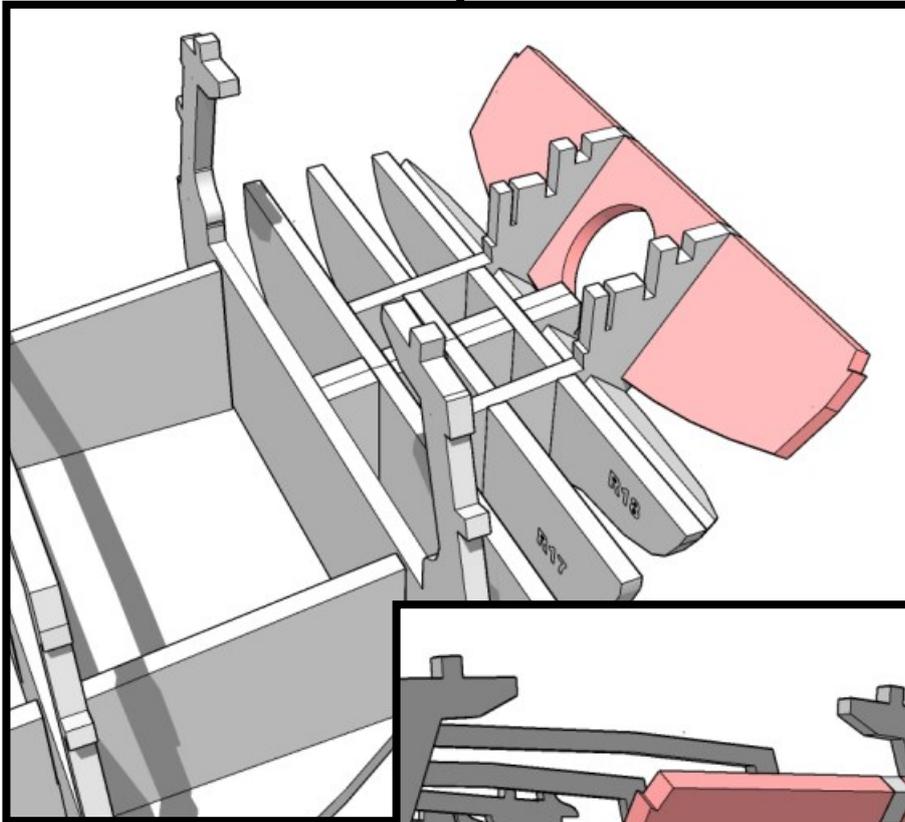
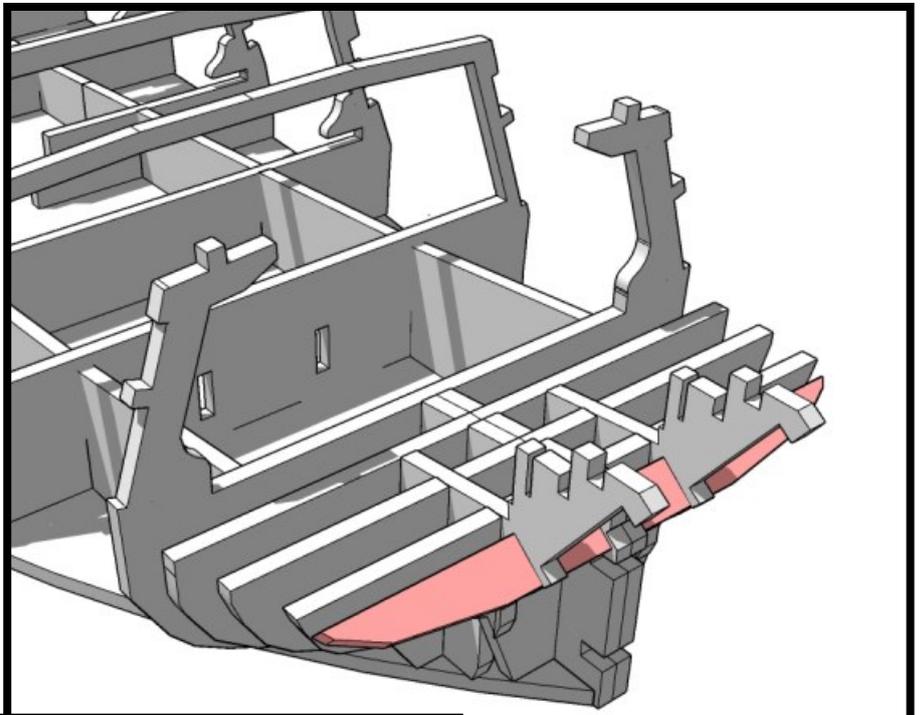
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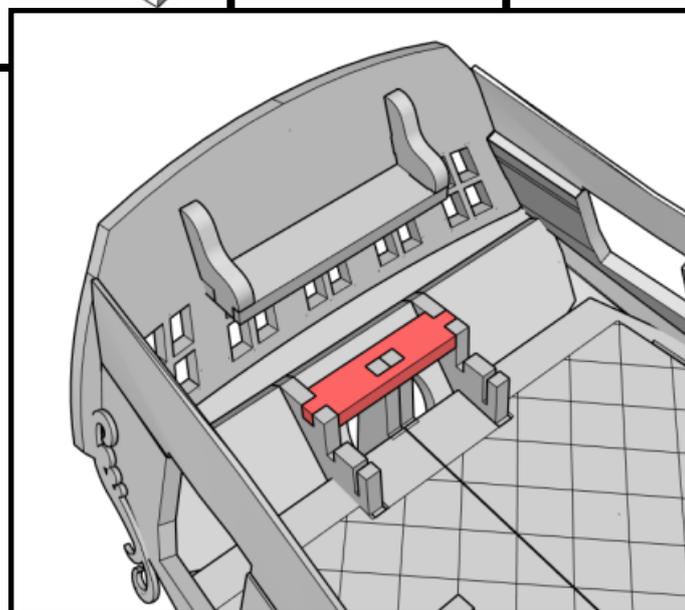
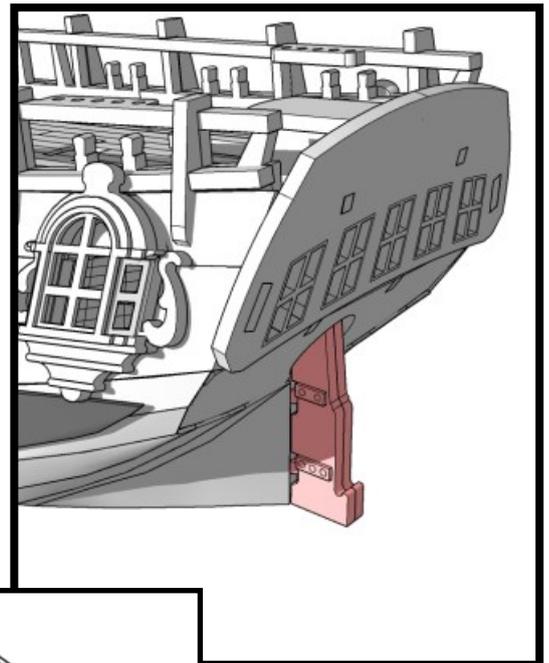
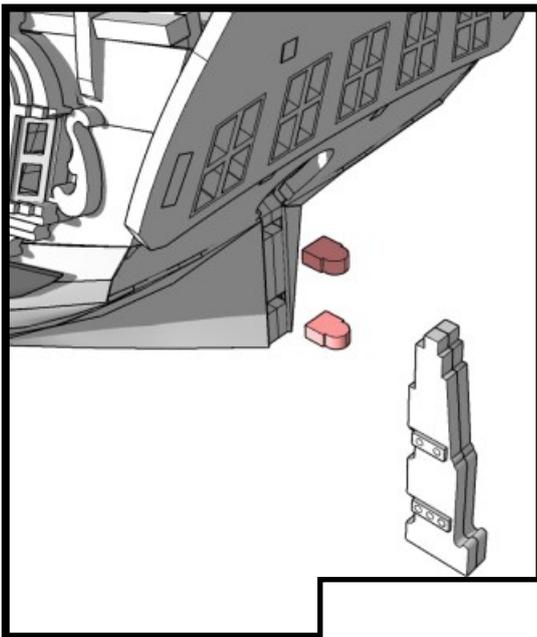
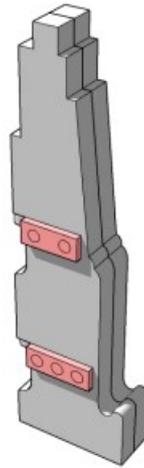
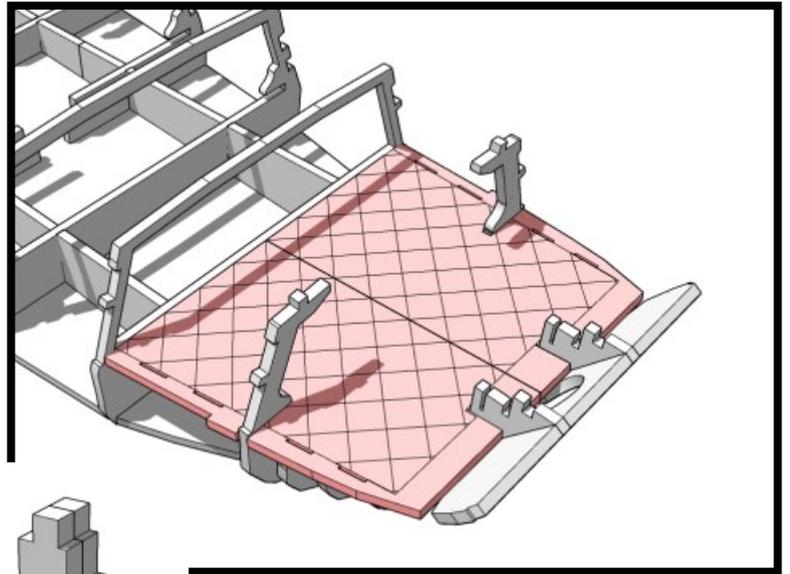
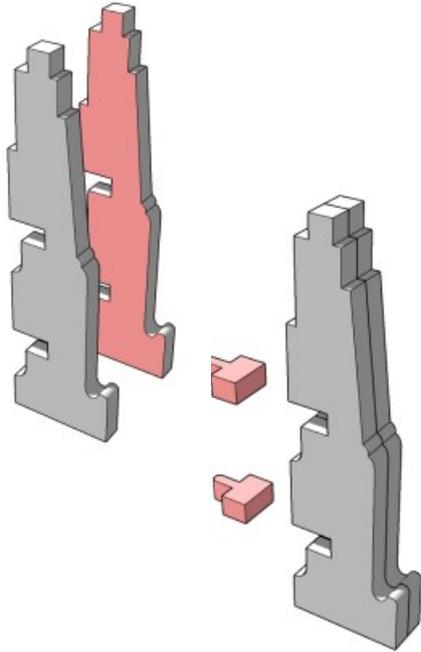
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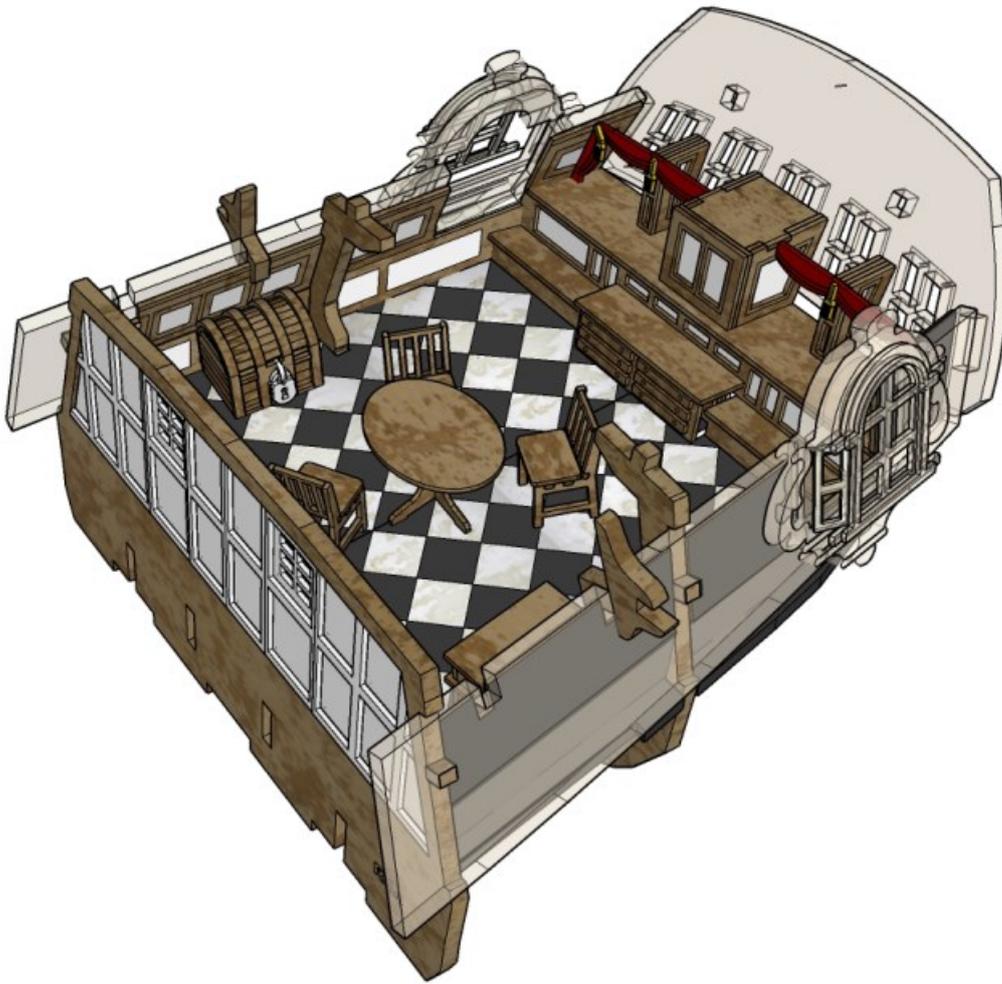


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## **INSTALL CAPTAINS CABIN NOW!!!**

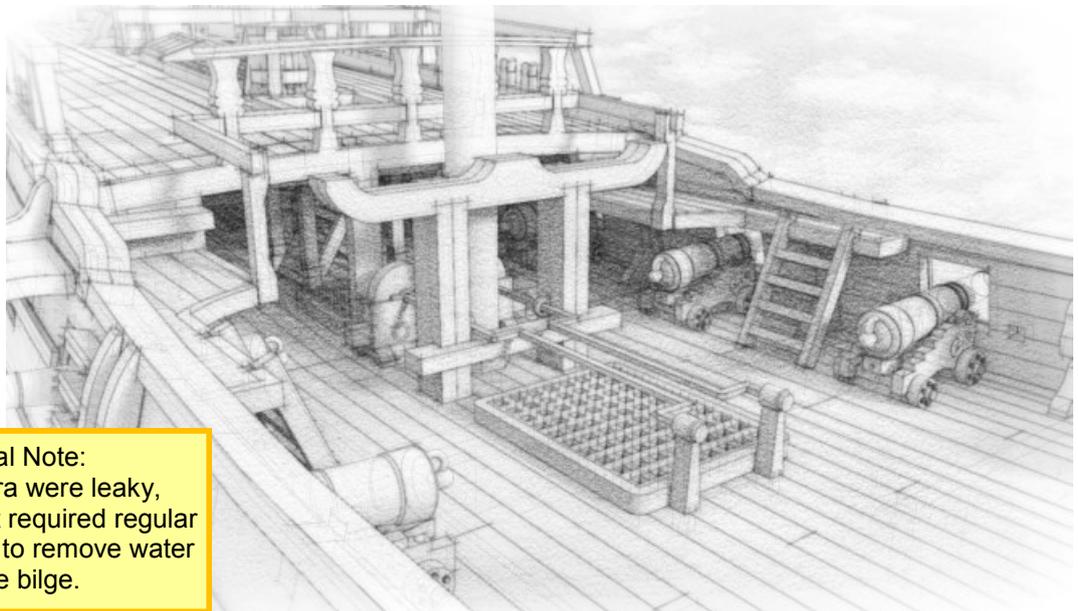
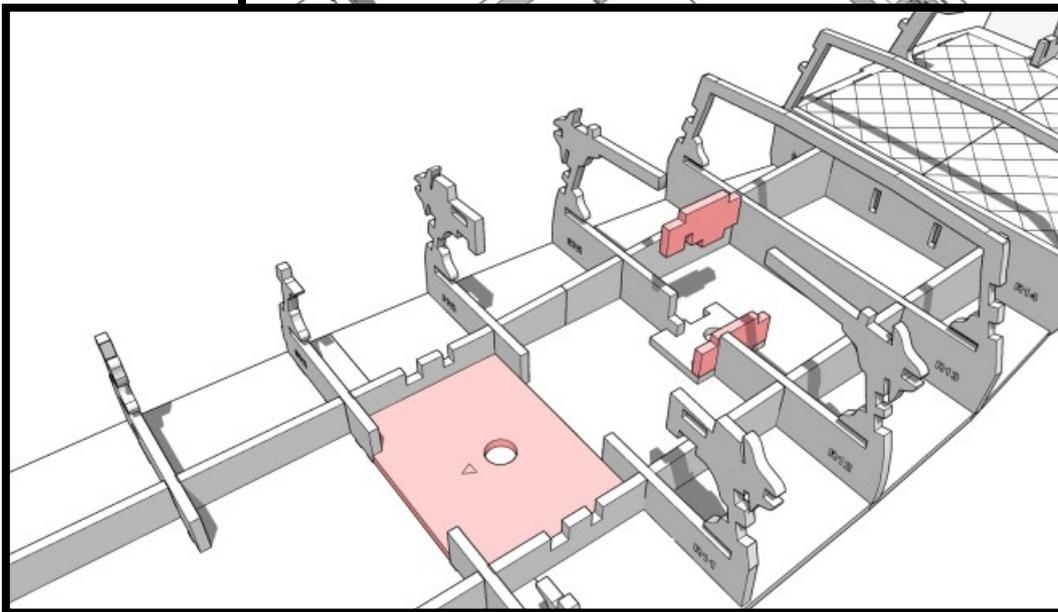
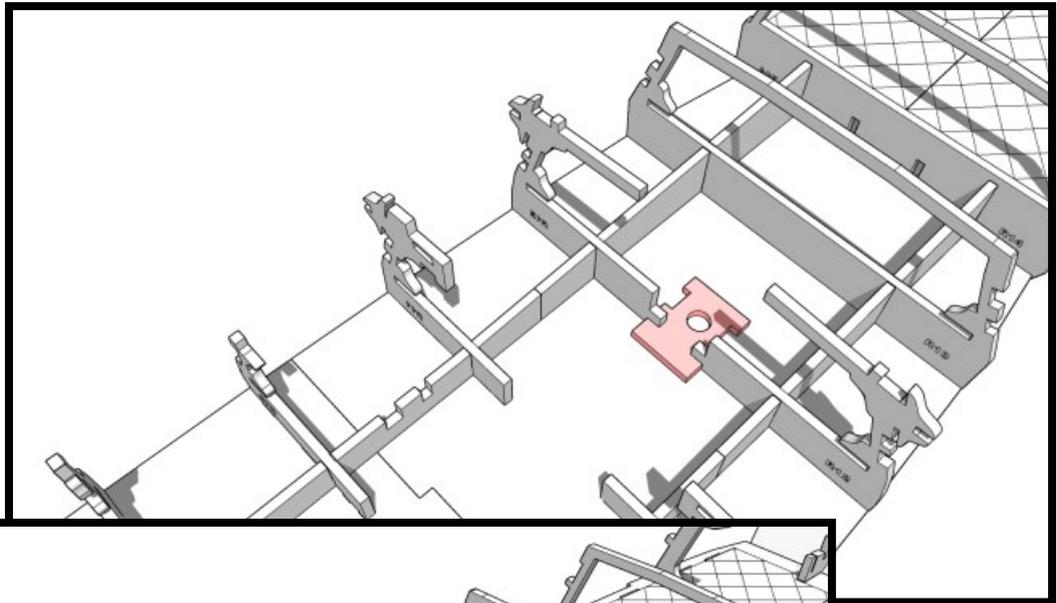
**This is an optional upgrade not available with all kits.**

**Please see separate assembly instructions from the kit page  
on [miniaturescenery.com](http://miniaturescenery.com).**

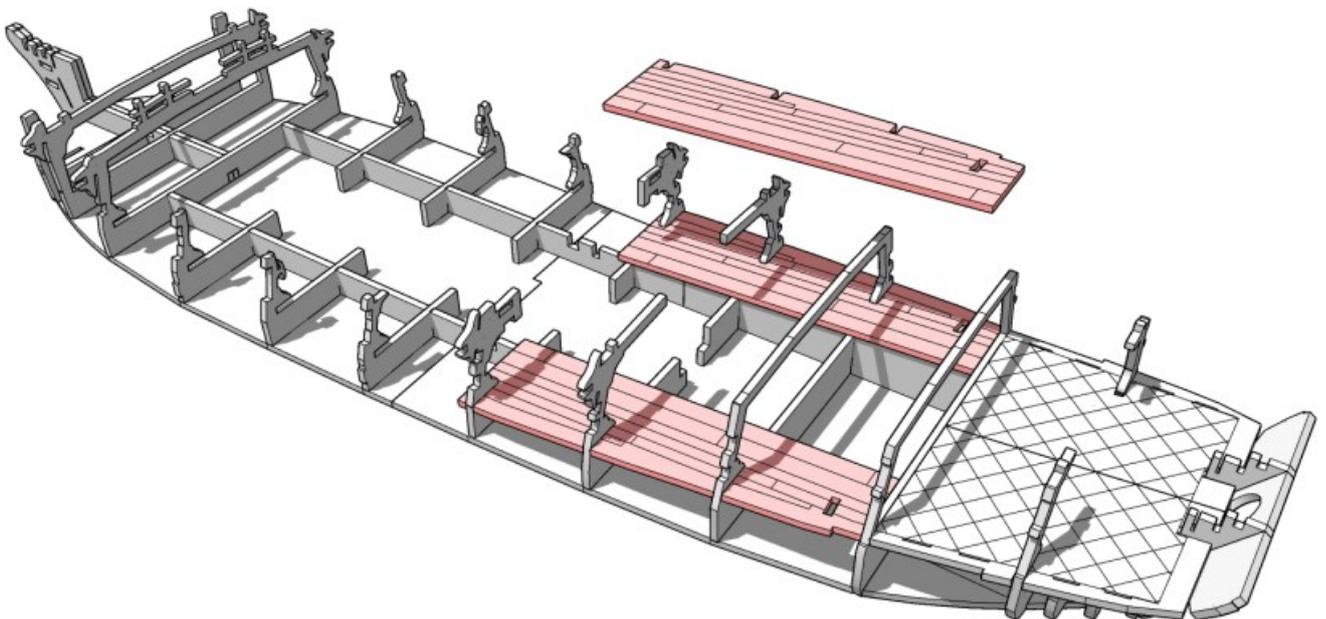
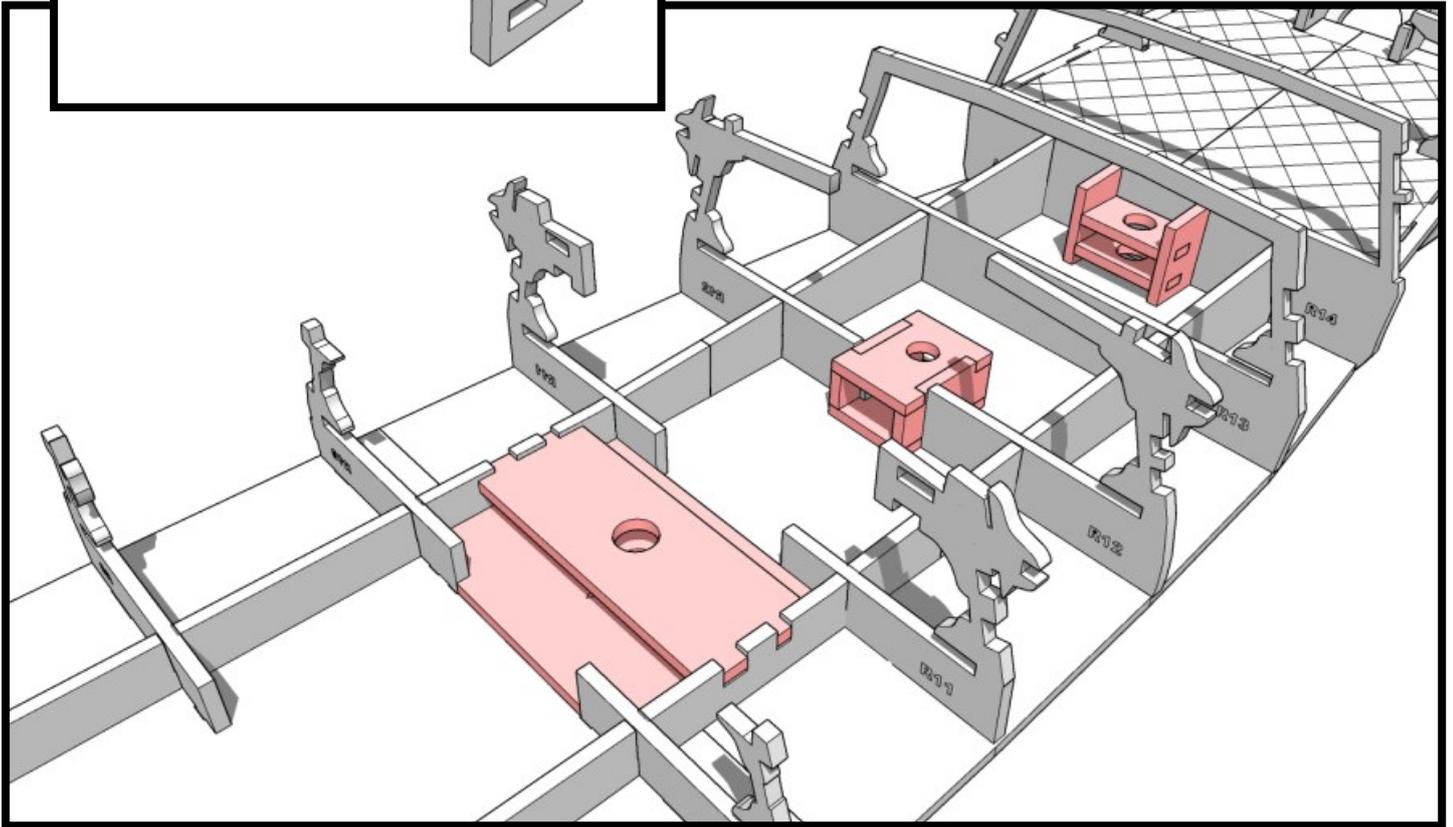
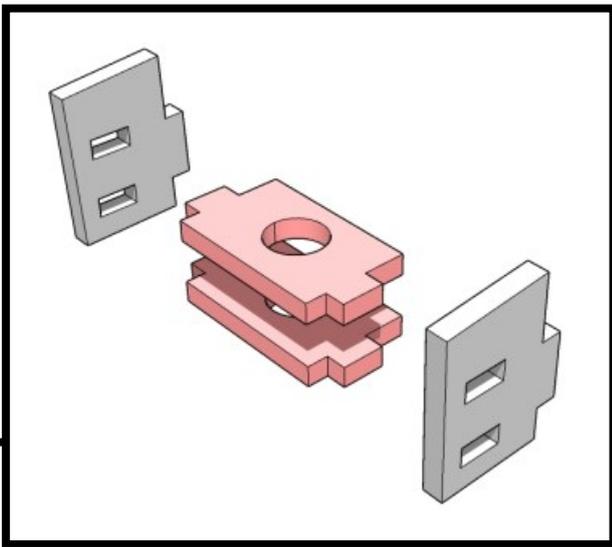
**NOTE: Adding the cabin upgrade later will become impossible  
once the sides of the ship go on.**

**\*\*Captains Cabin reminder\*\***

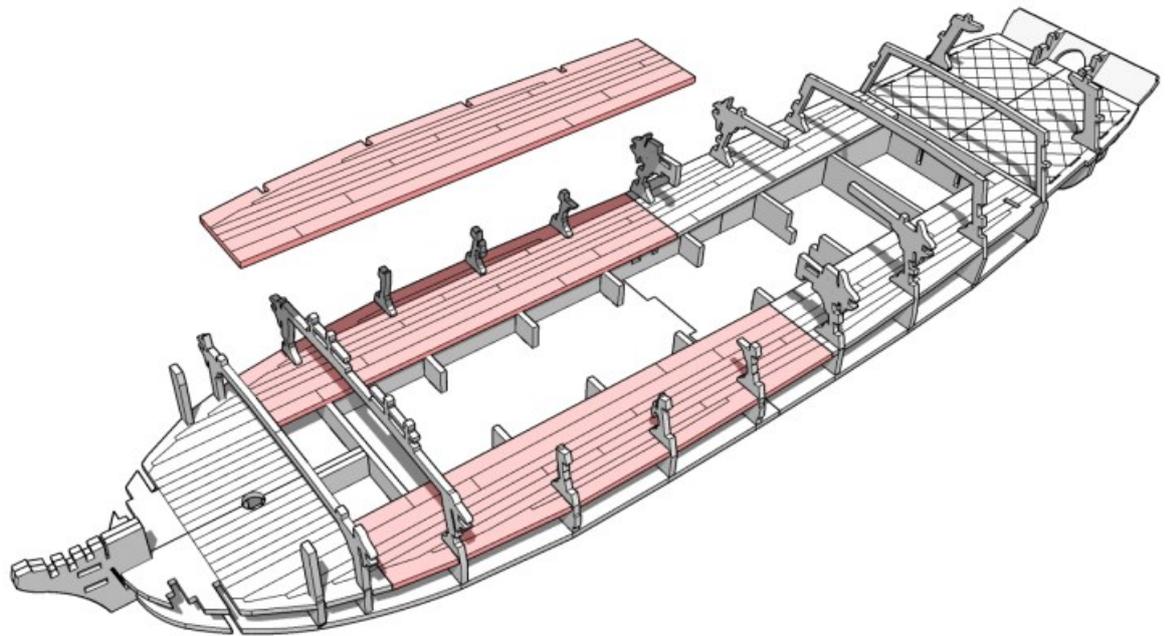
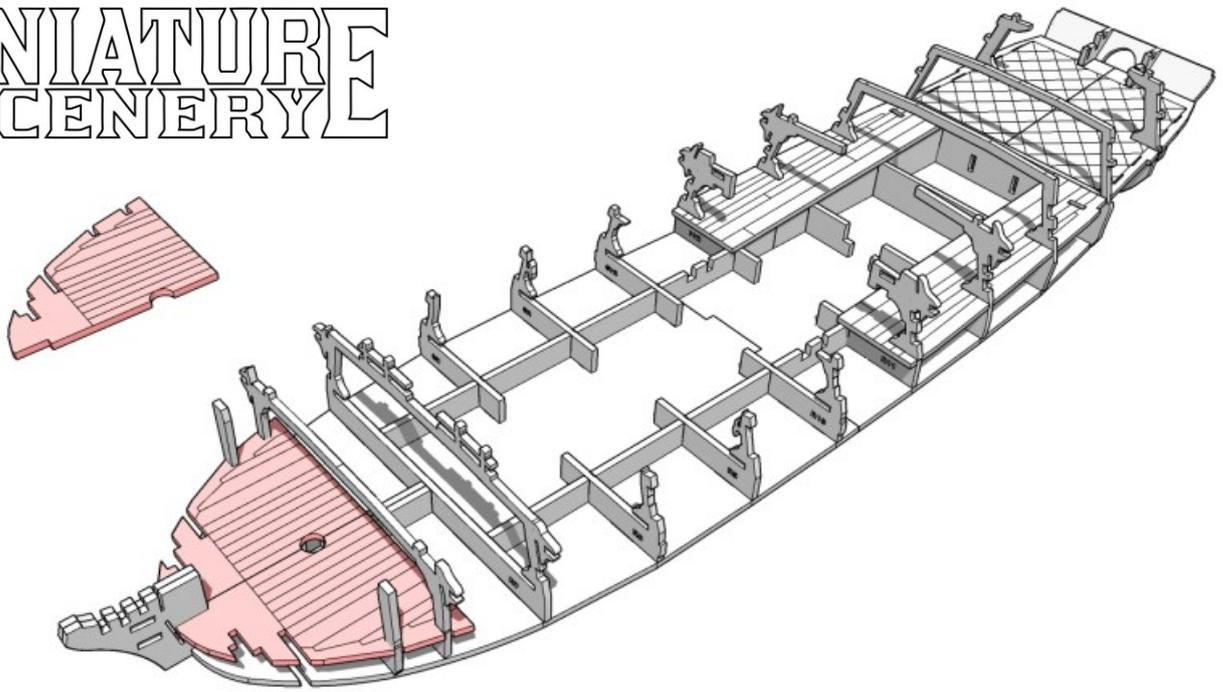
**If you have the captains cabin upgrade, it should be installed by now. You have been warned.**



Historical Note:  
Ships of the era were leaky,  
damp affairs, that required regular  
manual pumping to remove water  
from the bilge.

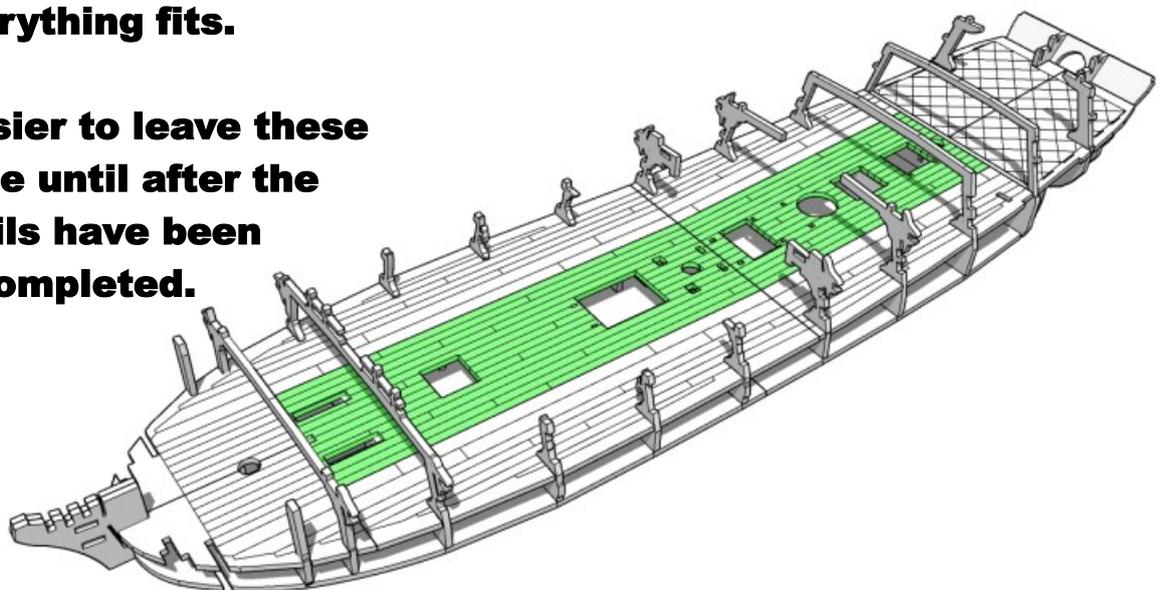


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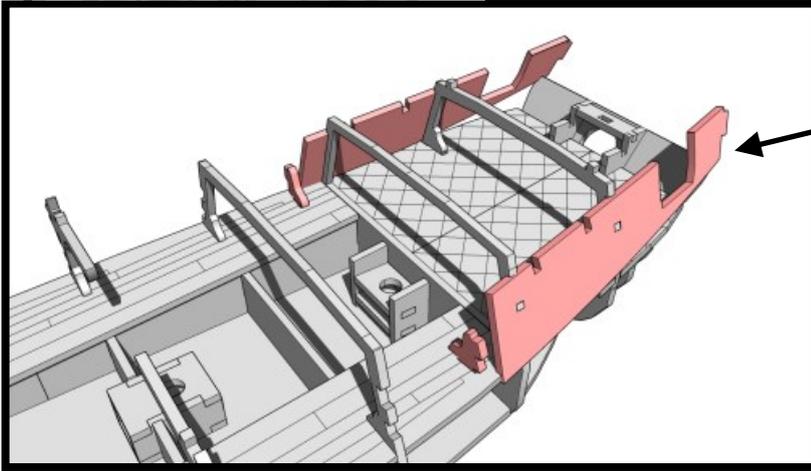


**Place, do not glue the centre deck sections to make sure everything fits.**

**It's far easier to leave these separate until after the details have been completed.**

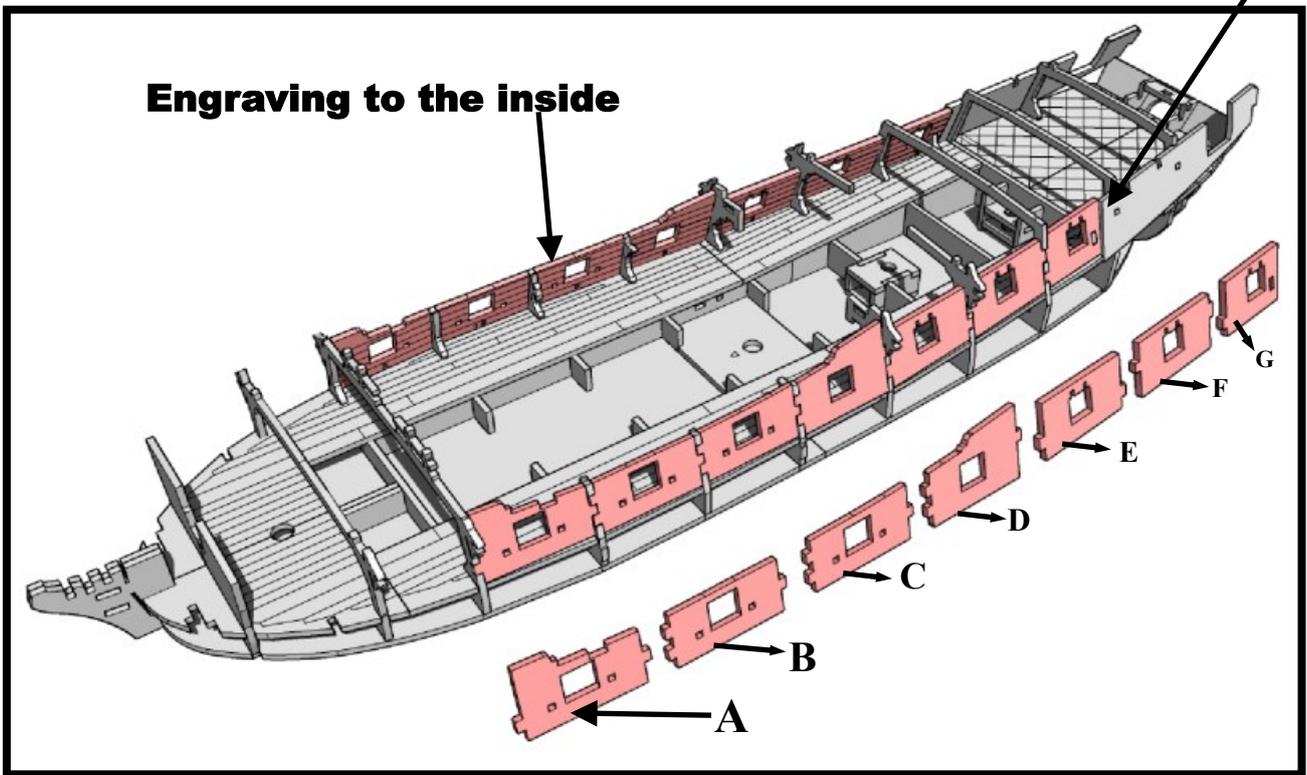


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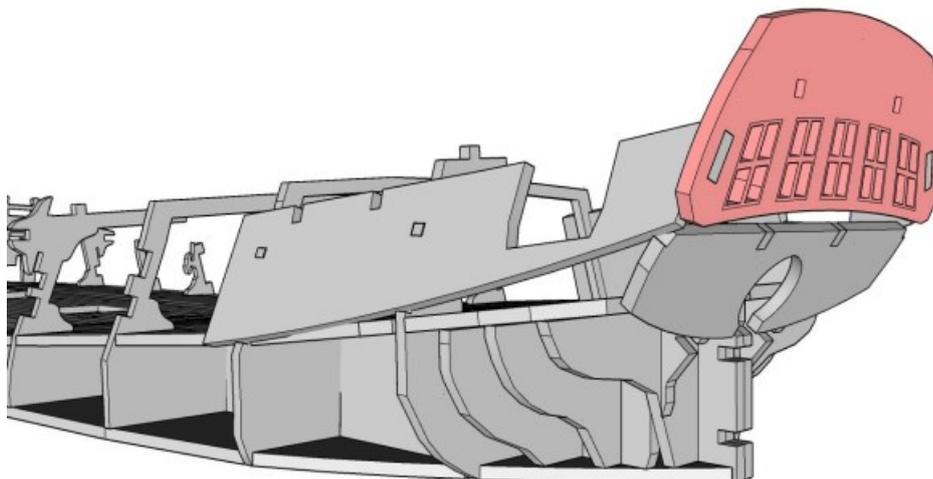


**May have been installed  
Earlier with Captains  
Cabin upgrade**

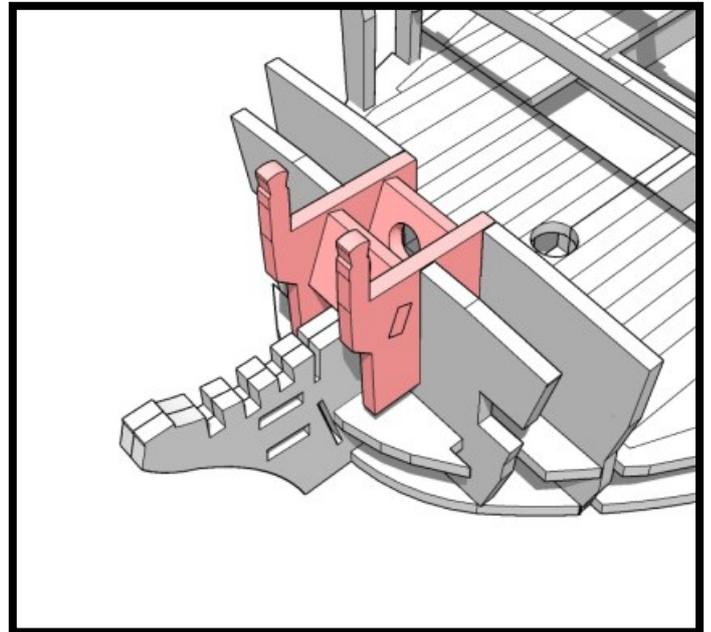
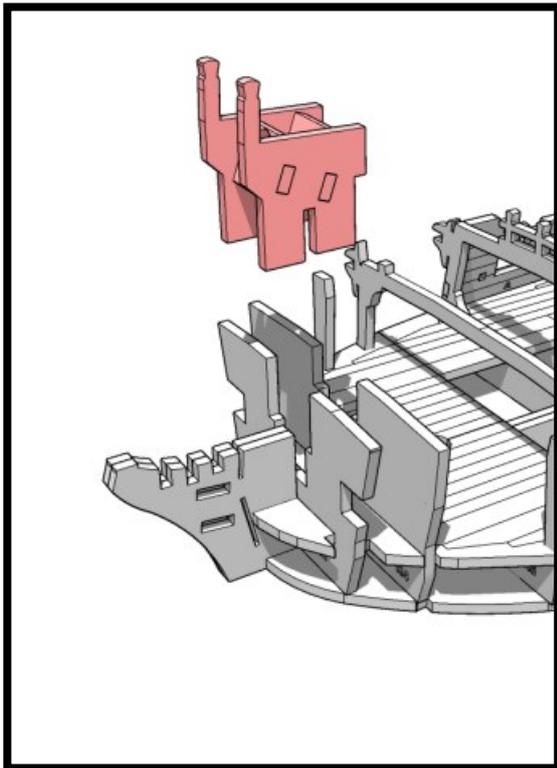
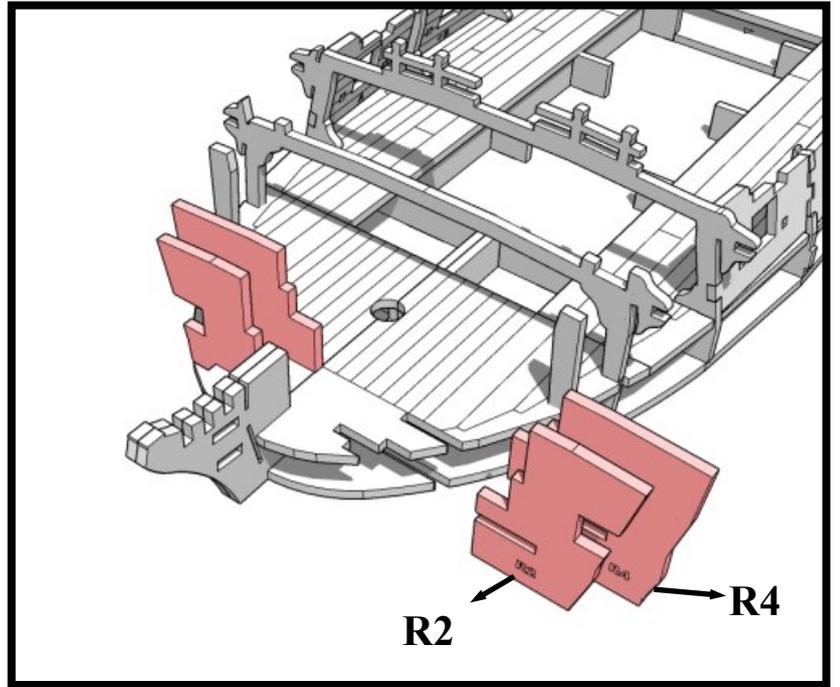
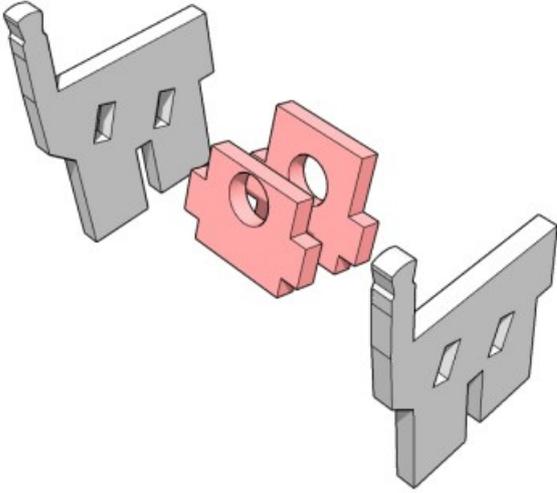
**There will be a lip**



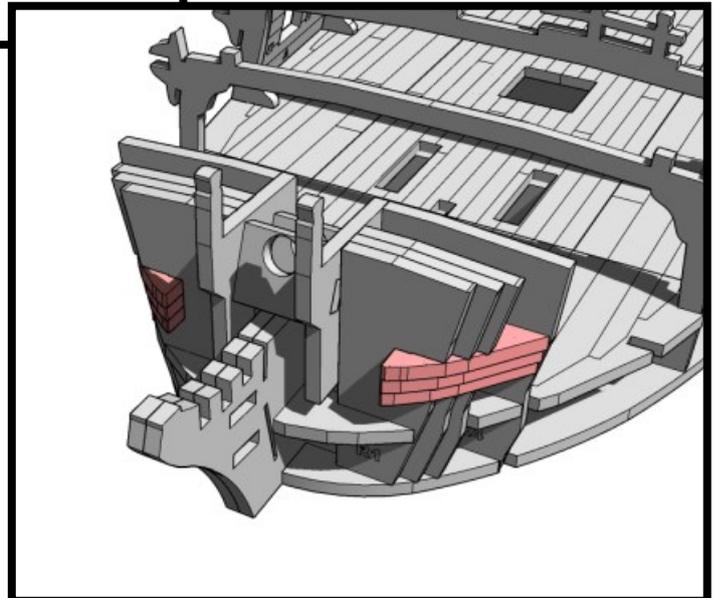
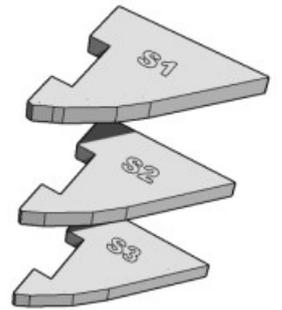
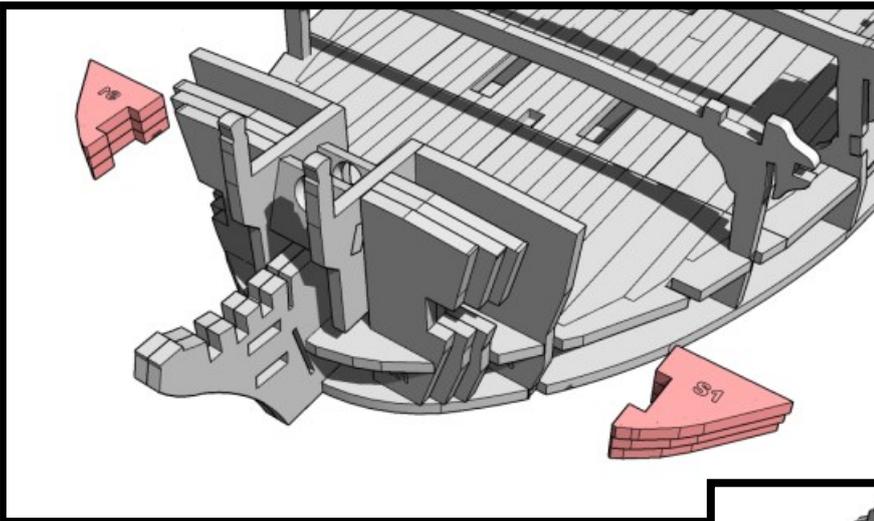
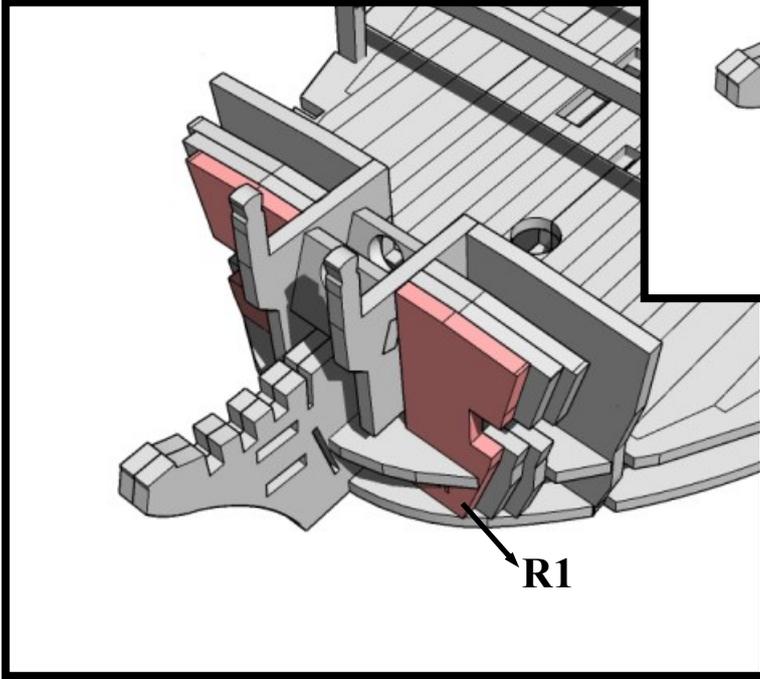
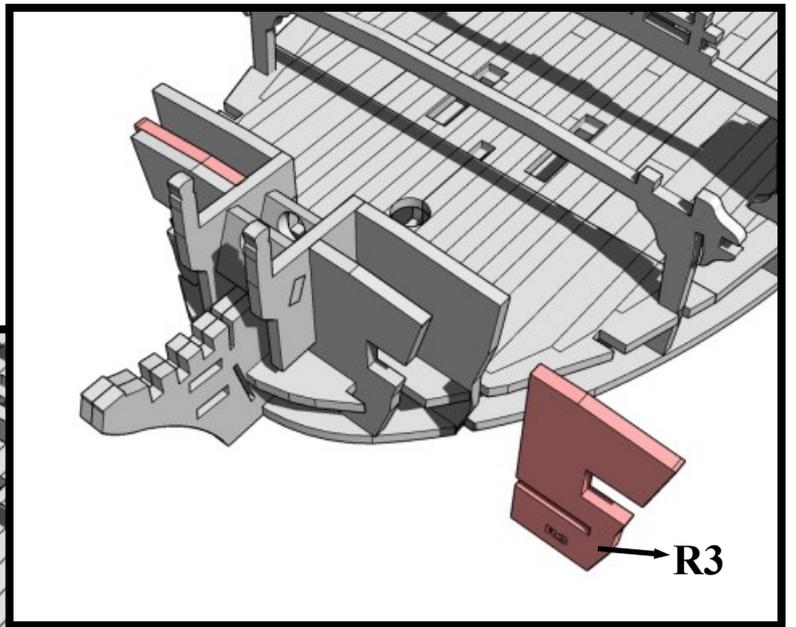
**Engraving to the inside**



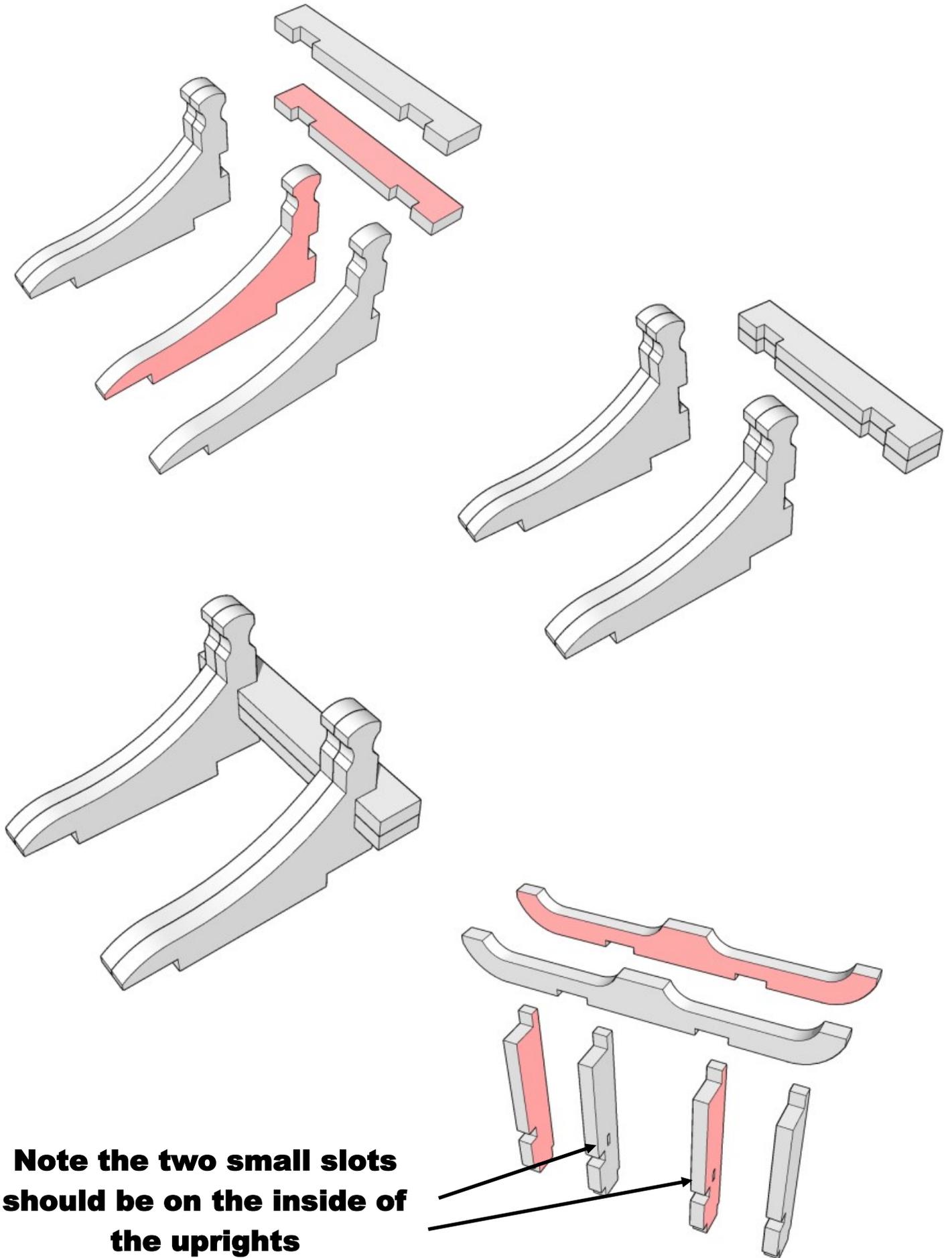
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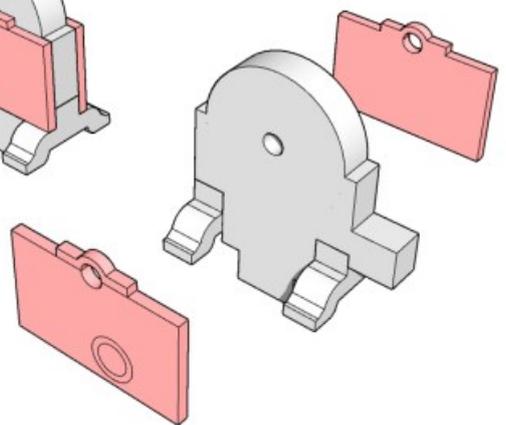
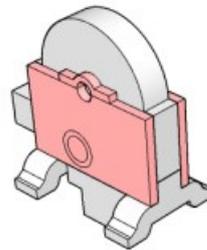
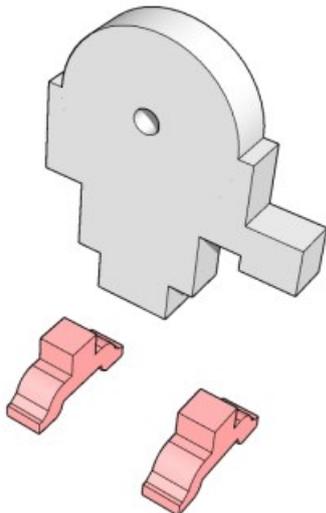
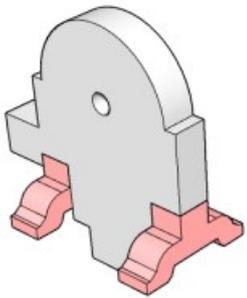
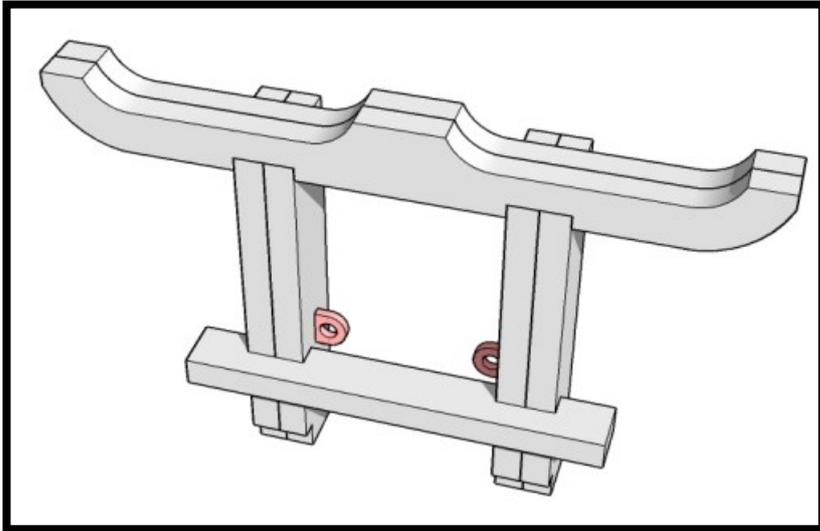
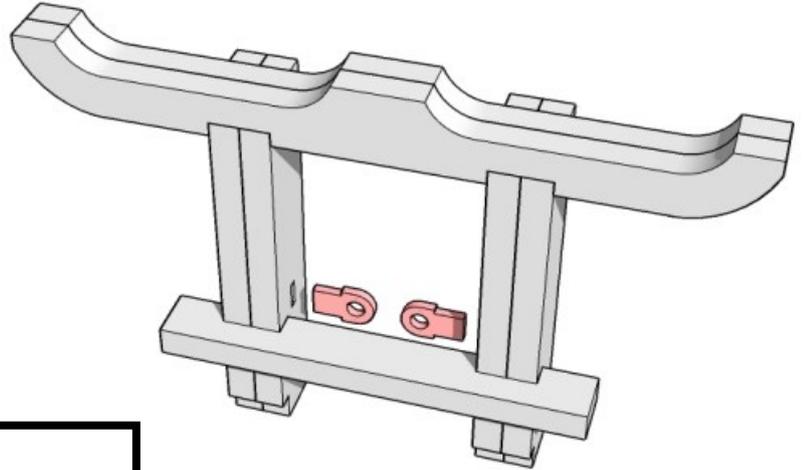
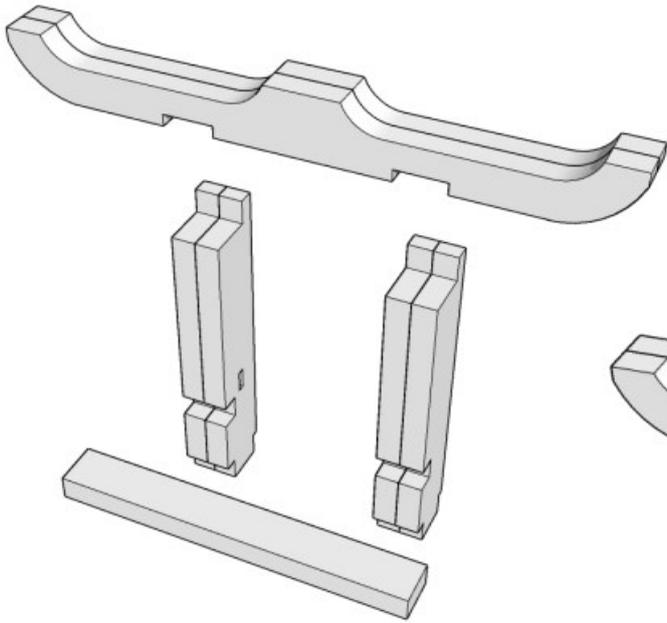
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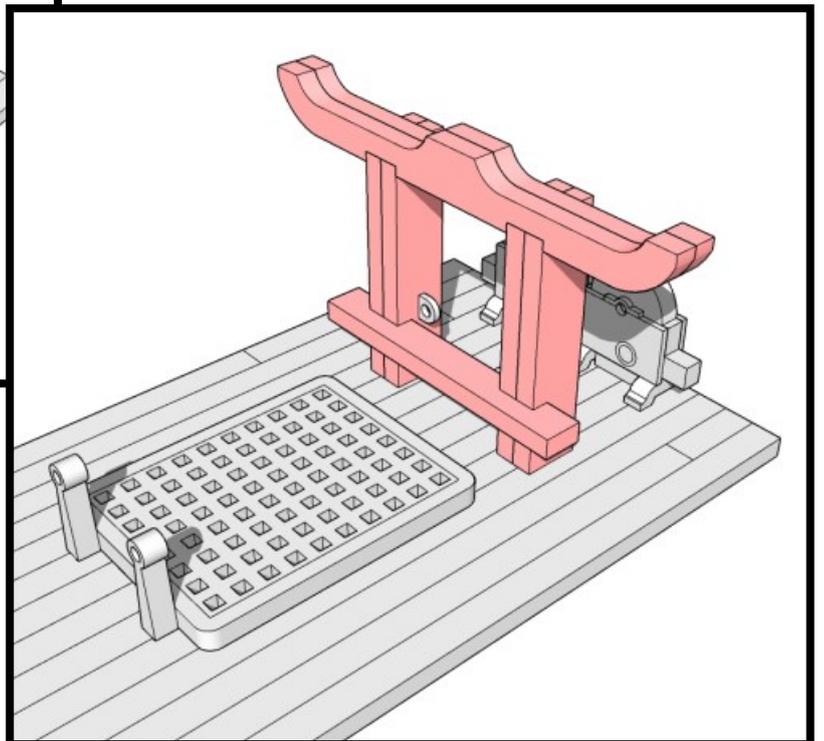
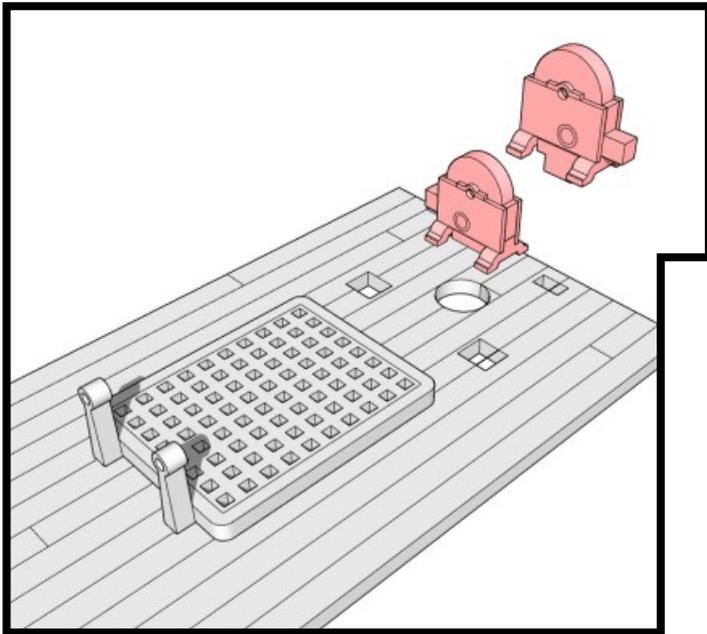
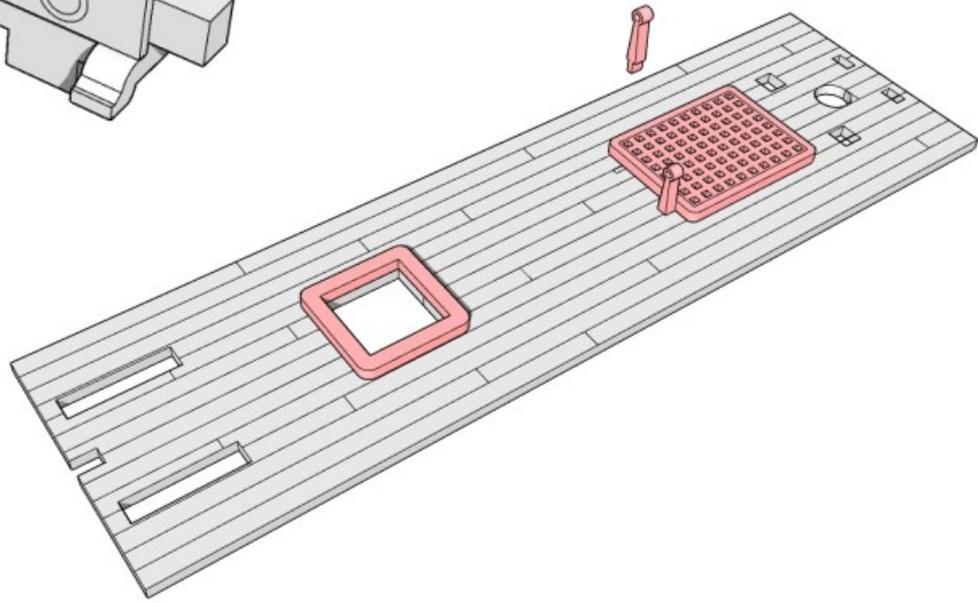
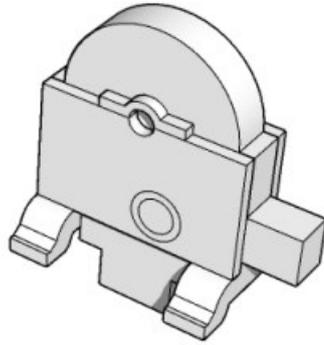
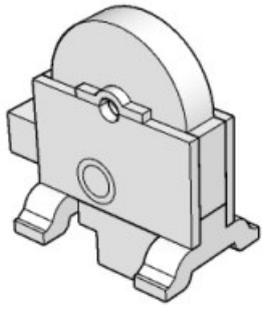
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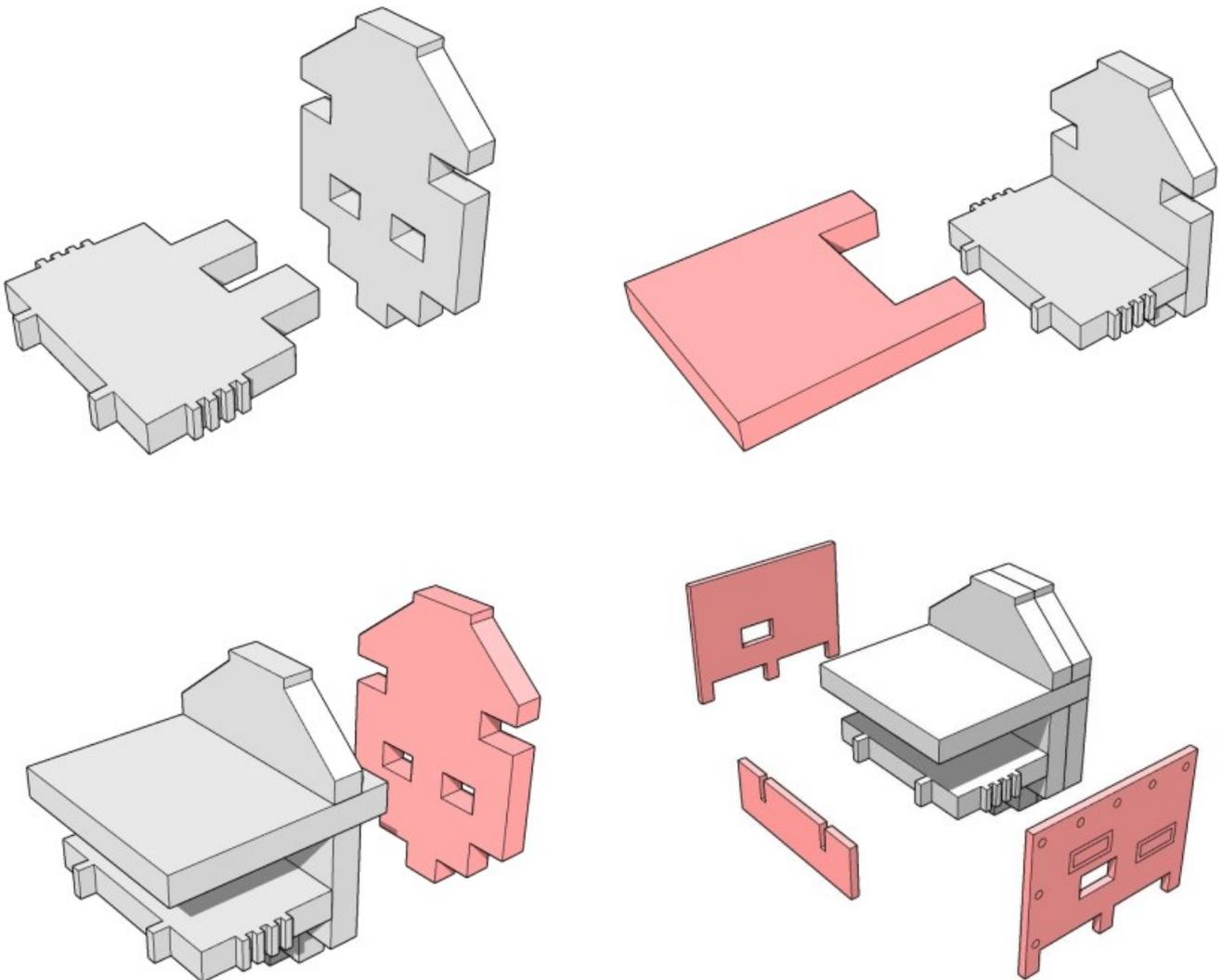
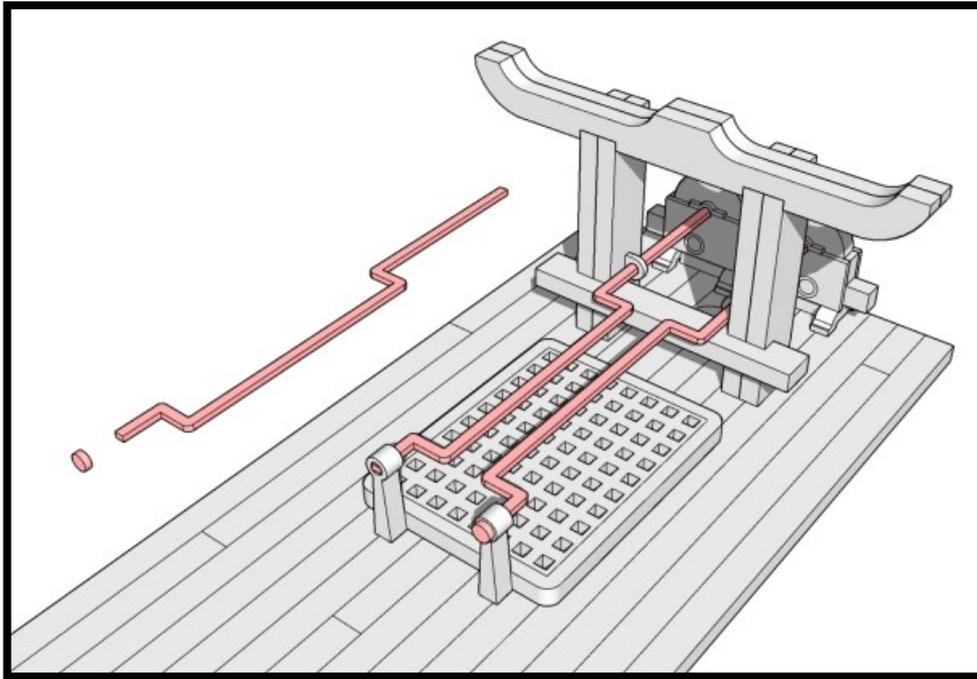
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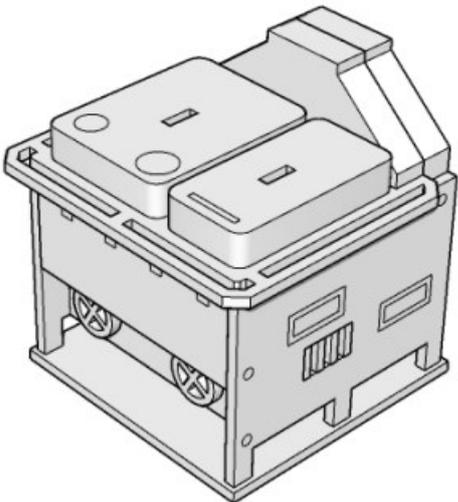
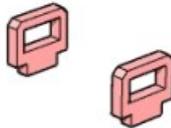
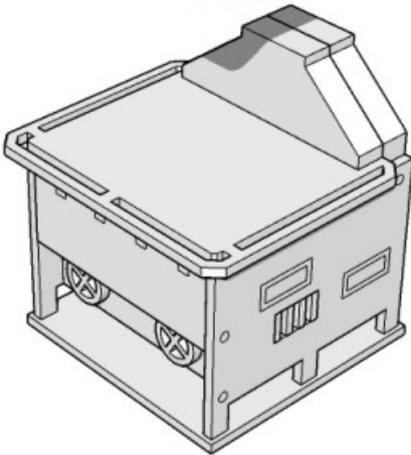
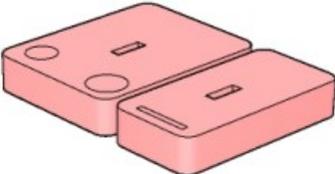
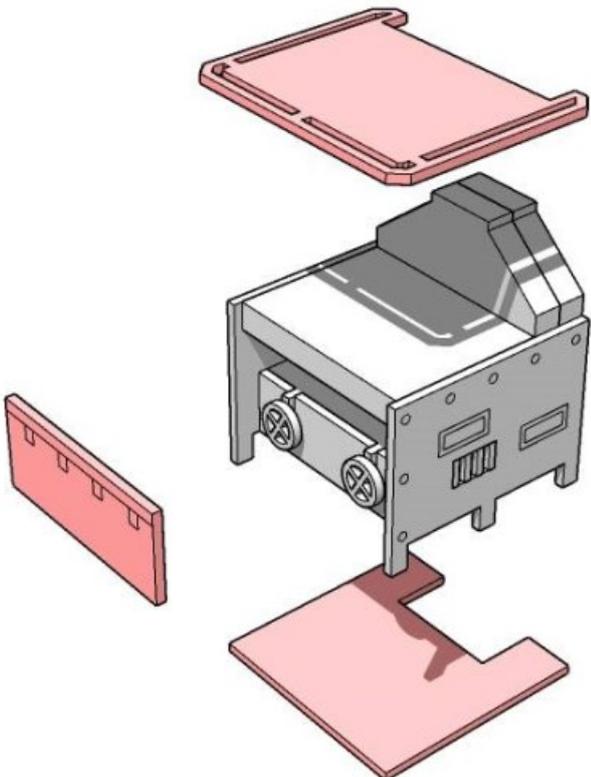
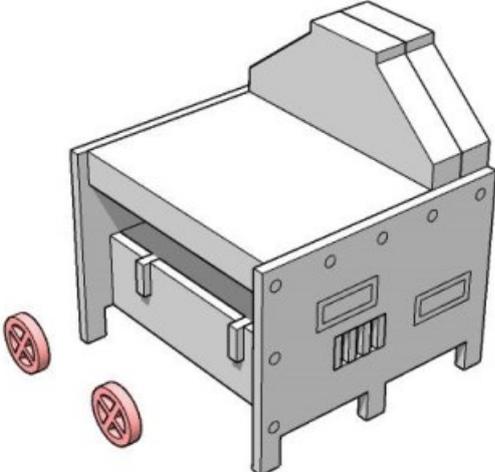
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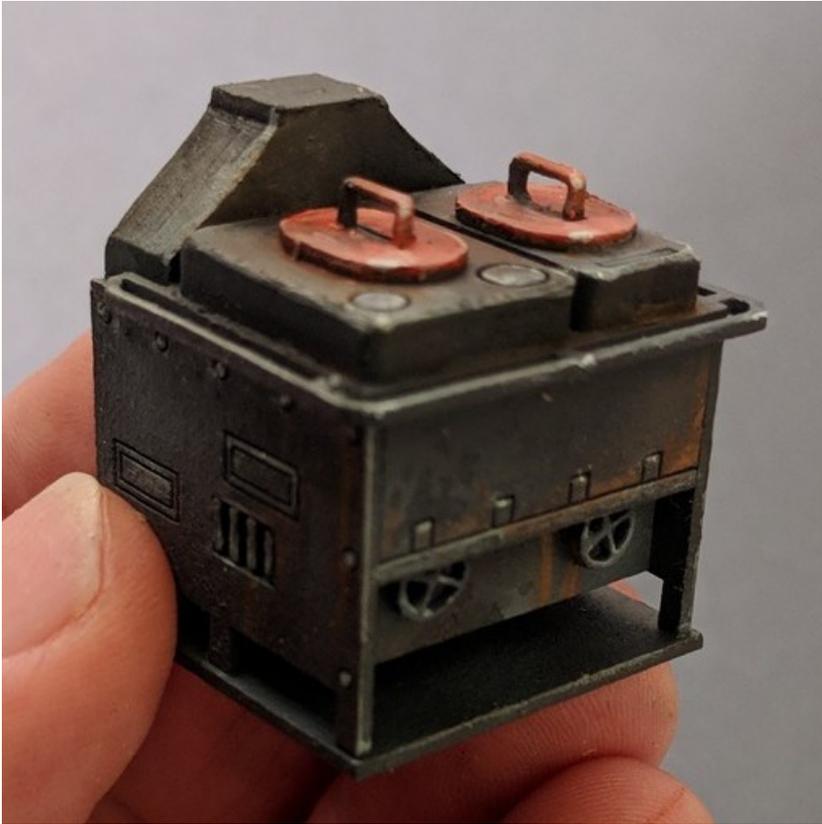
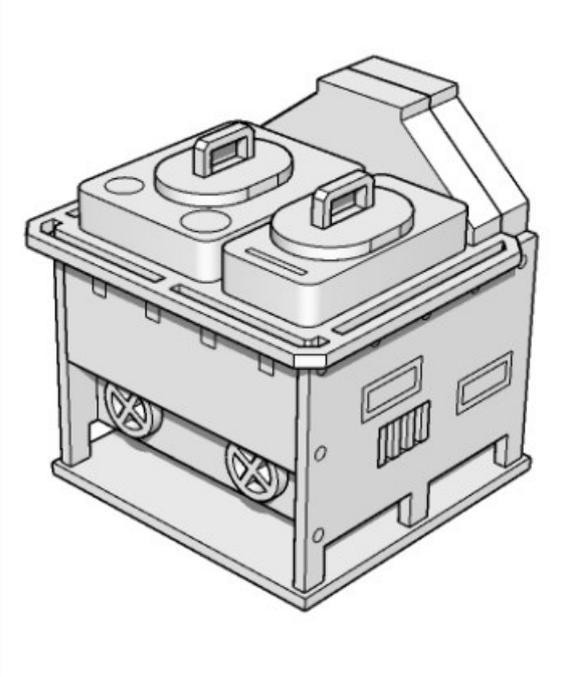
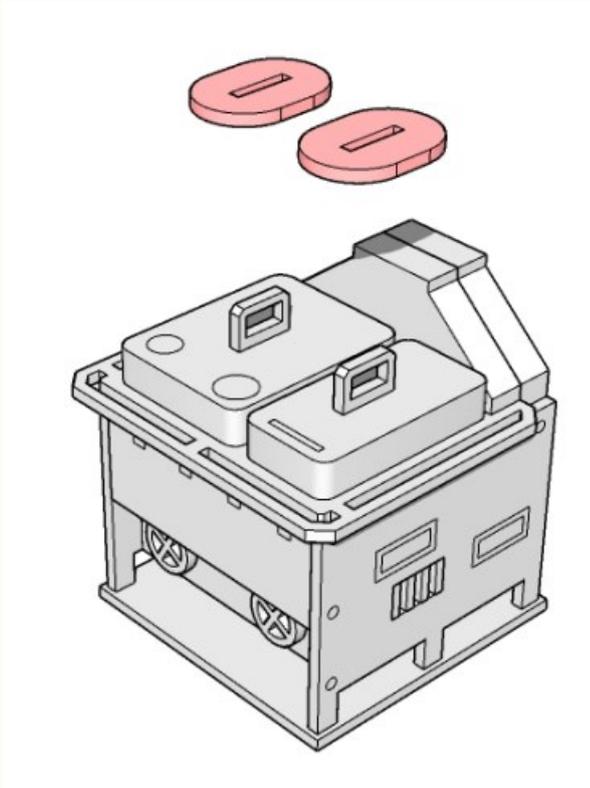
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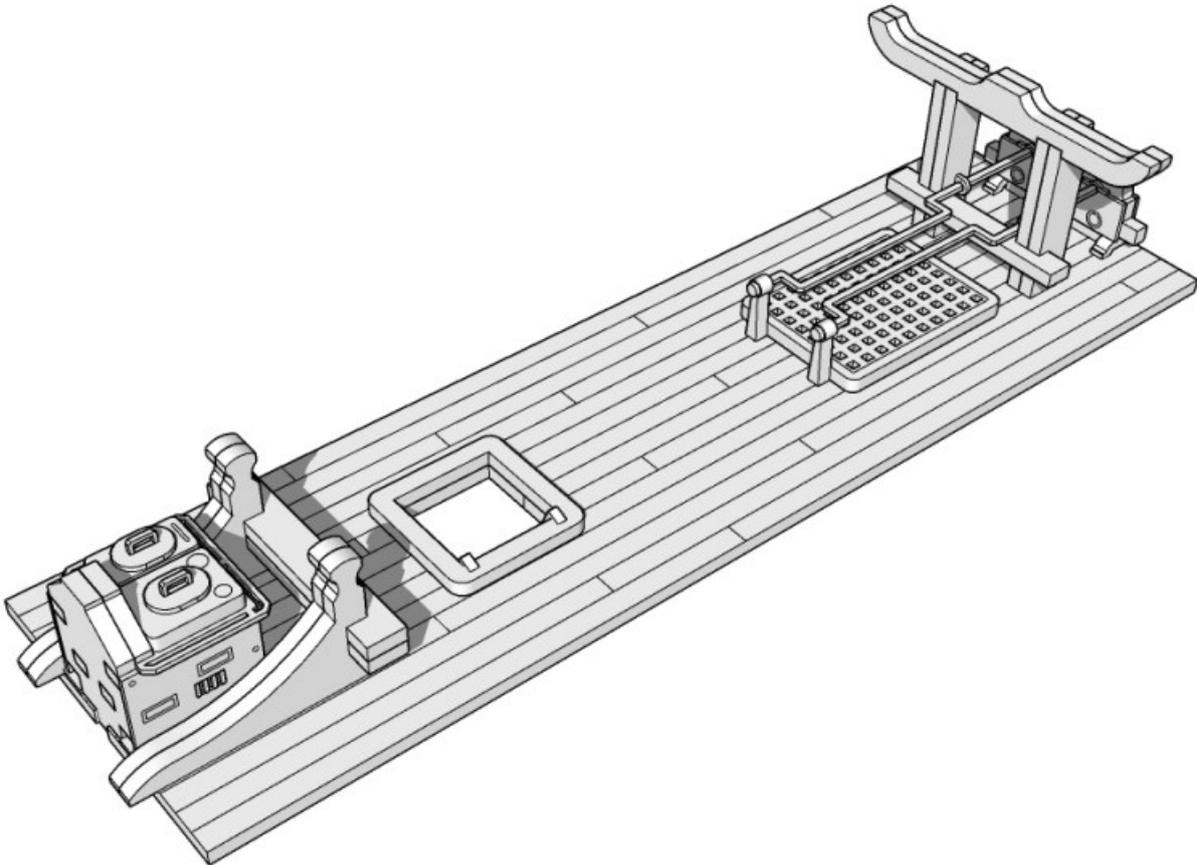
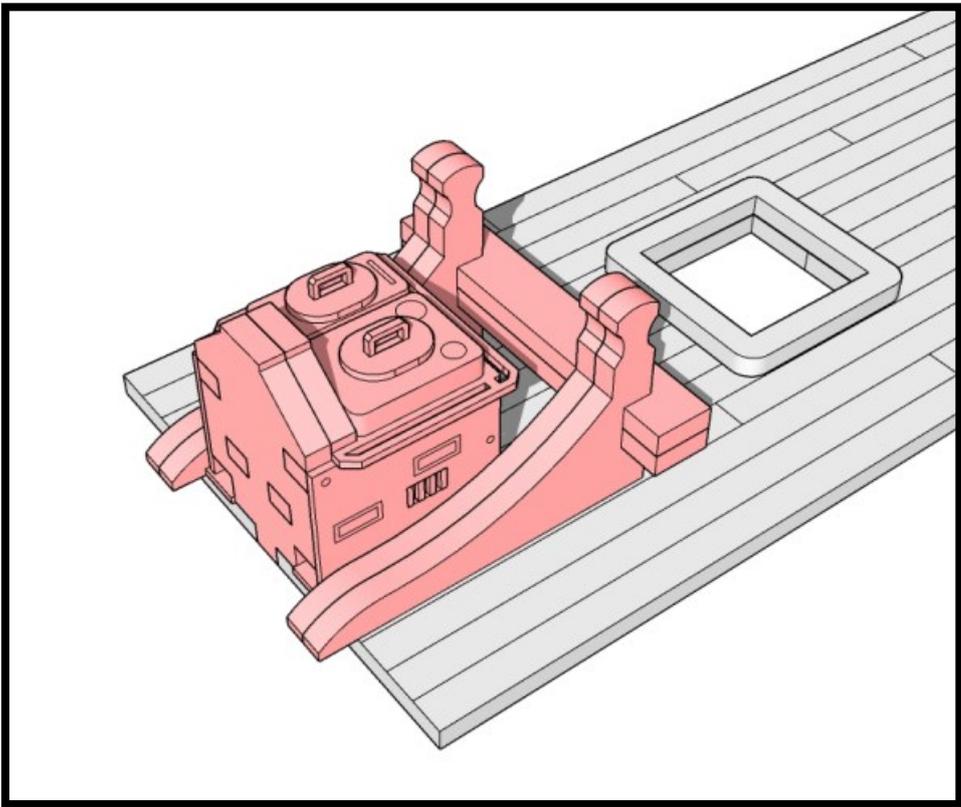
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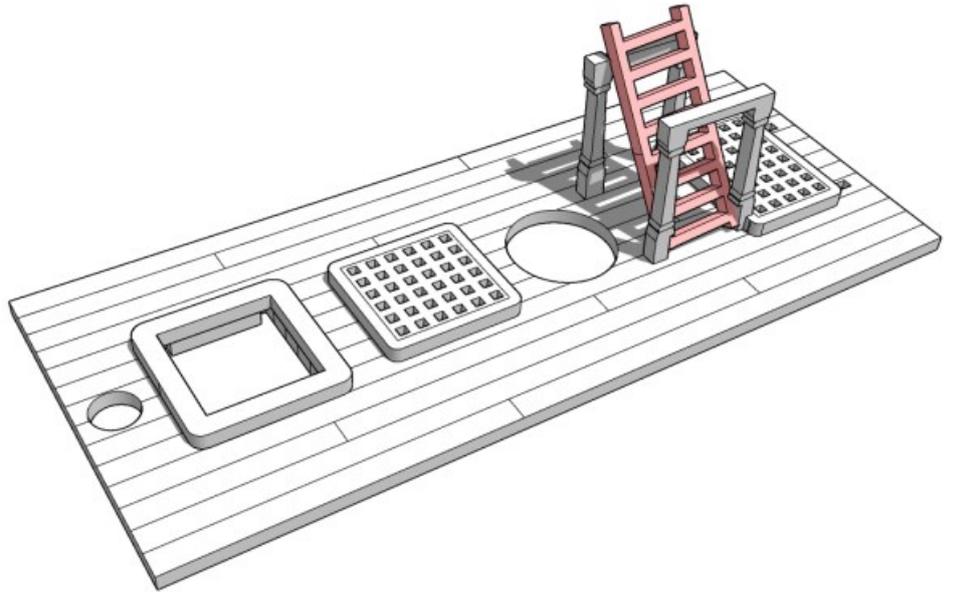
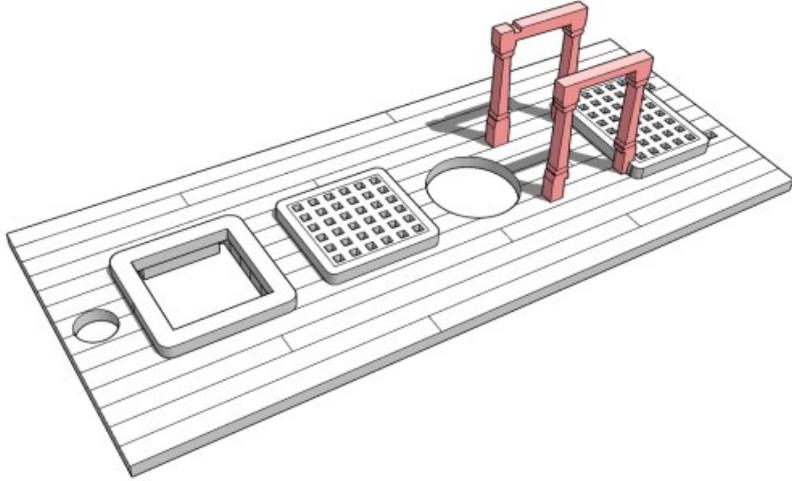
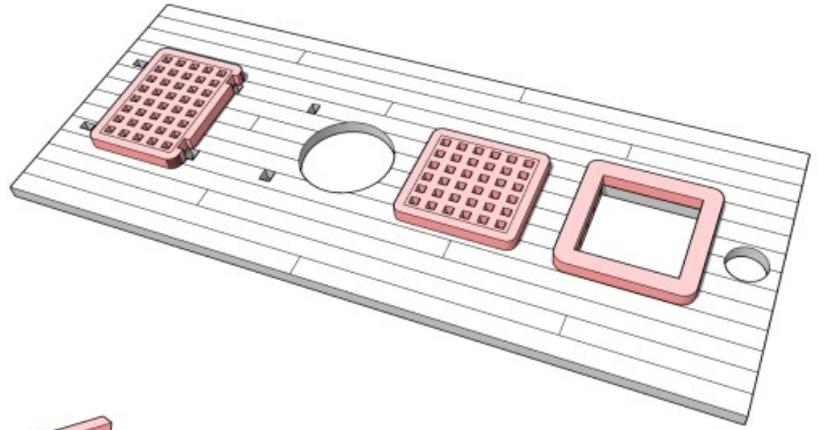
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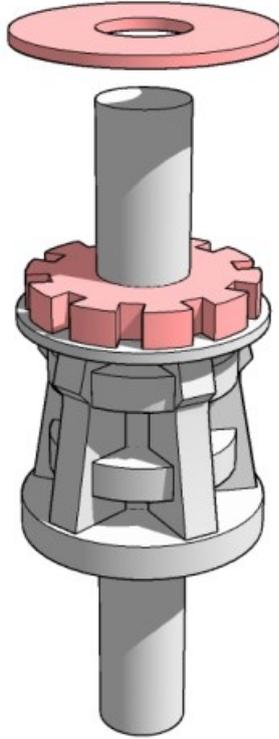
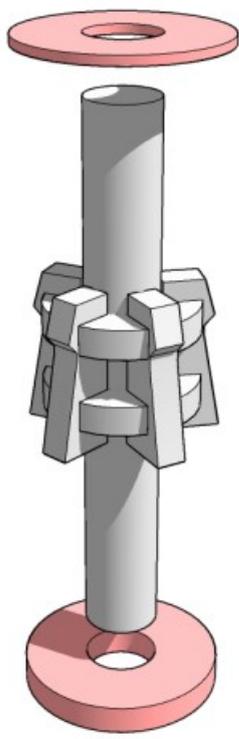
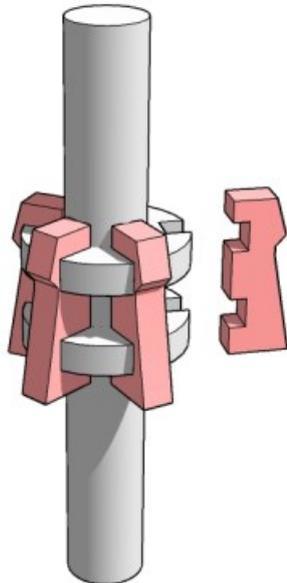
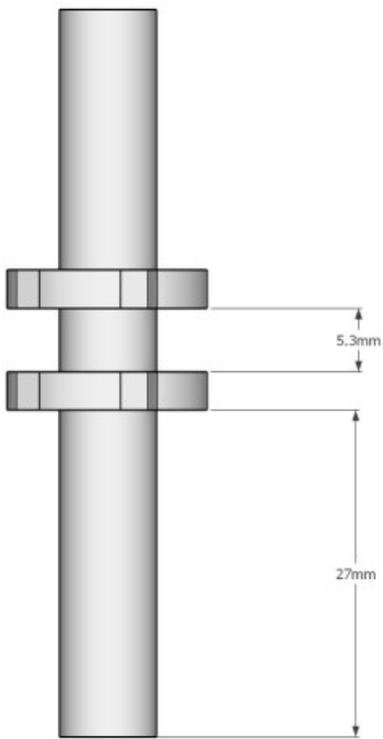
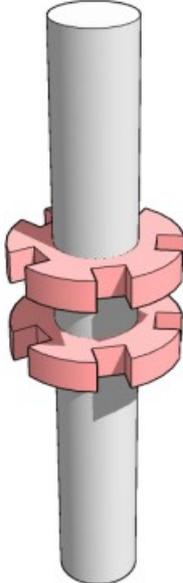
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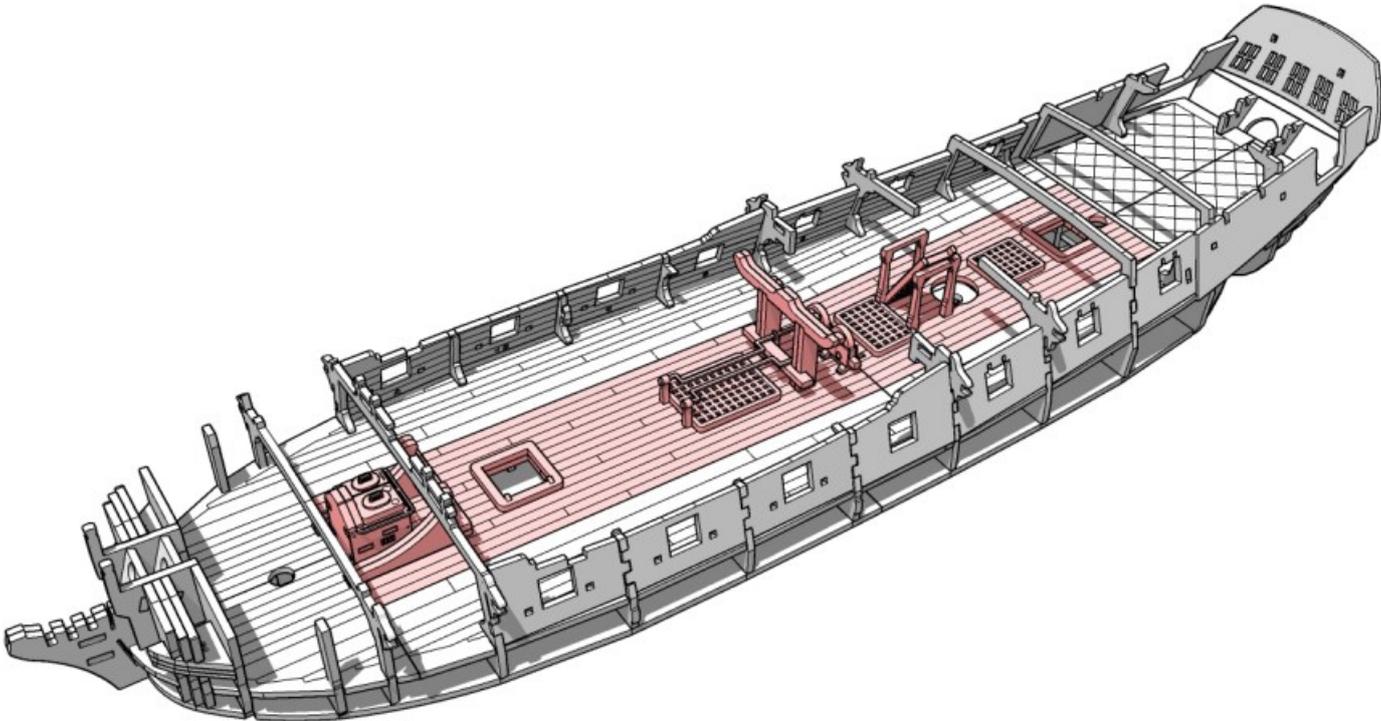
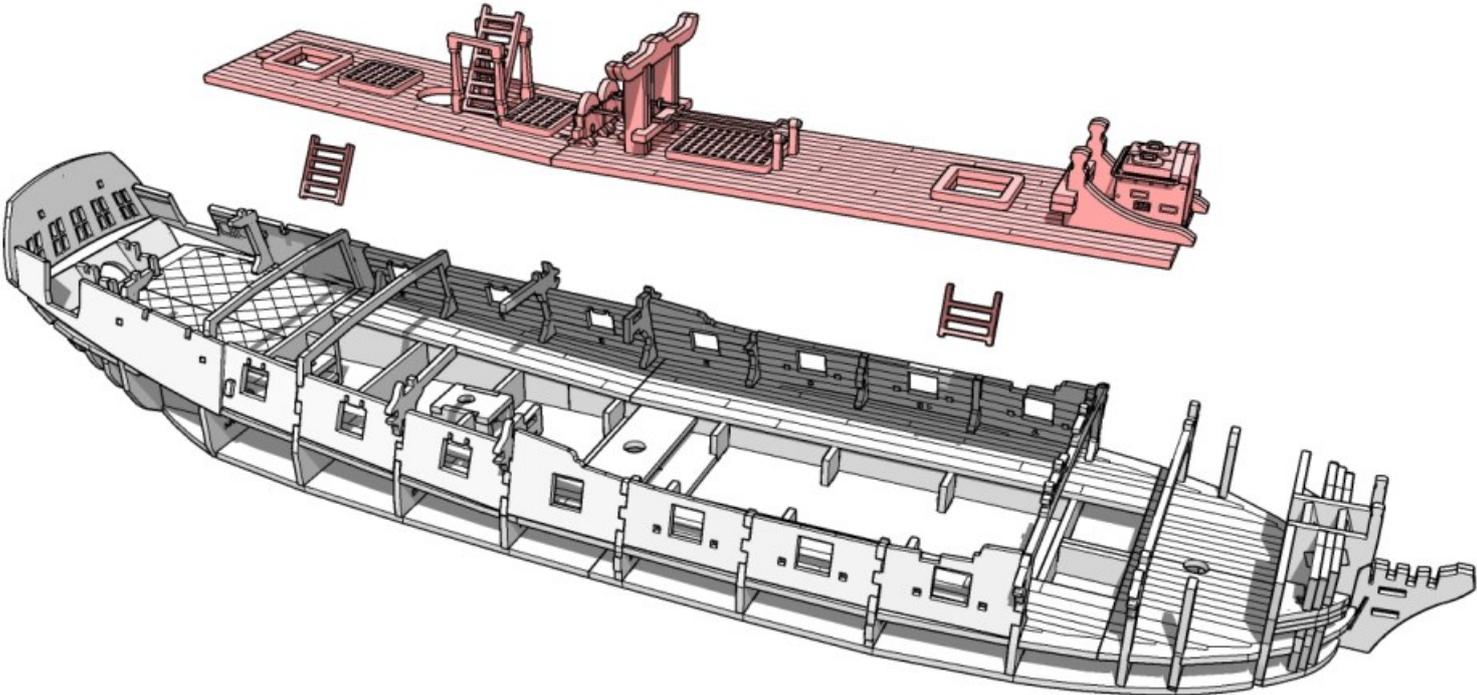
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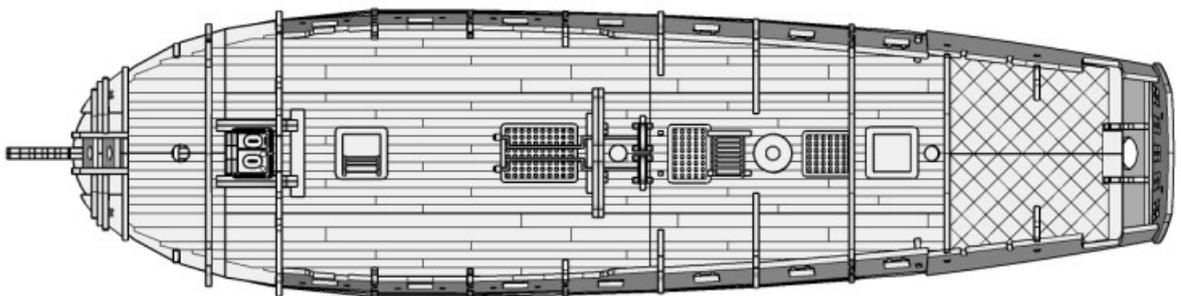
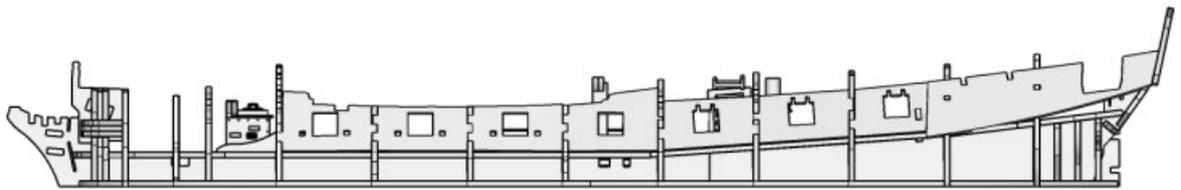
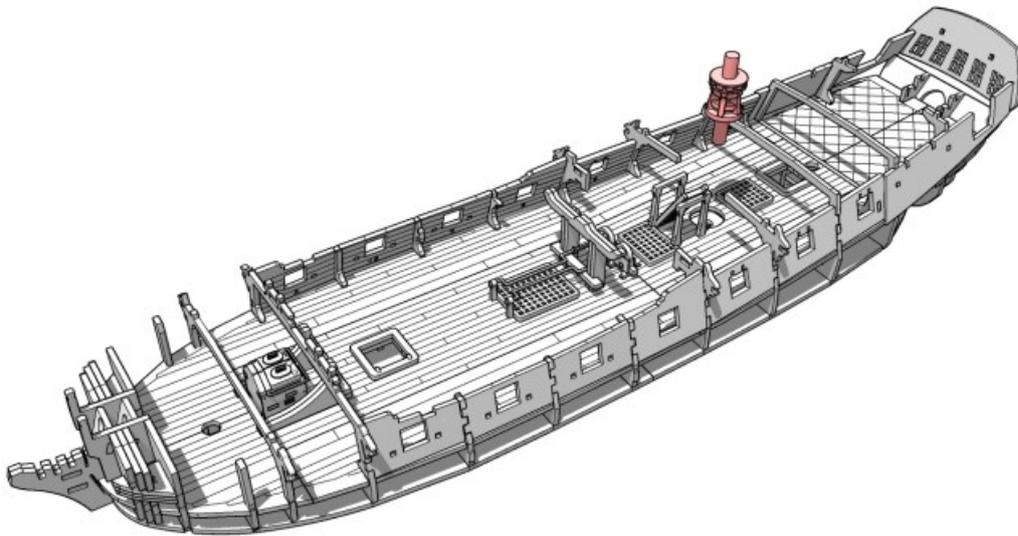
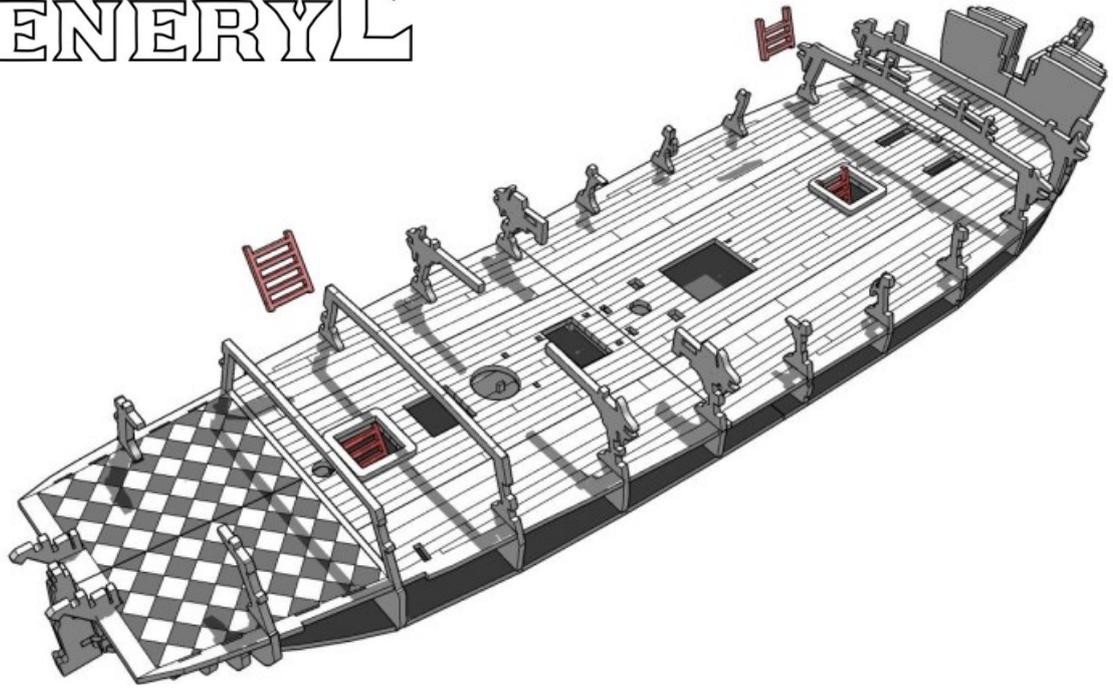
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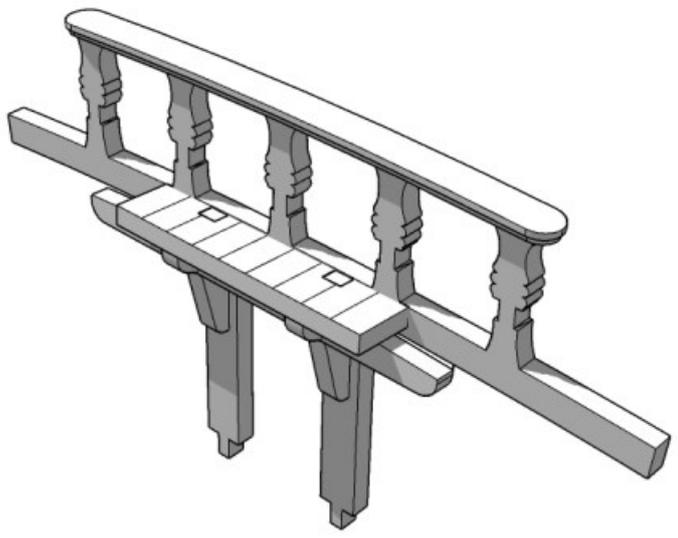
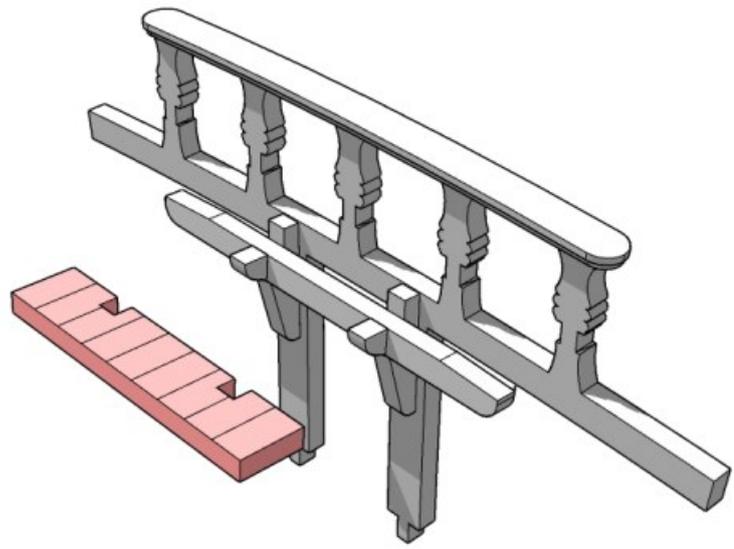
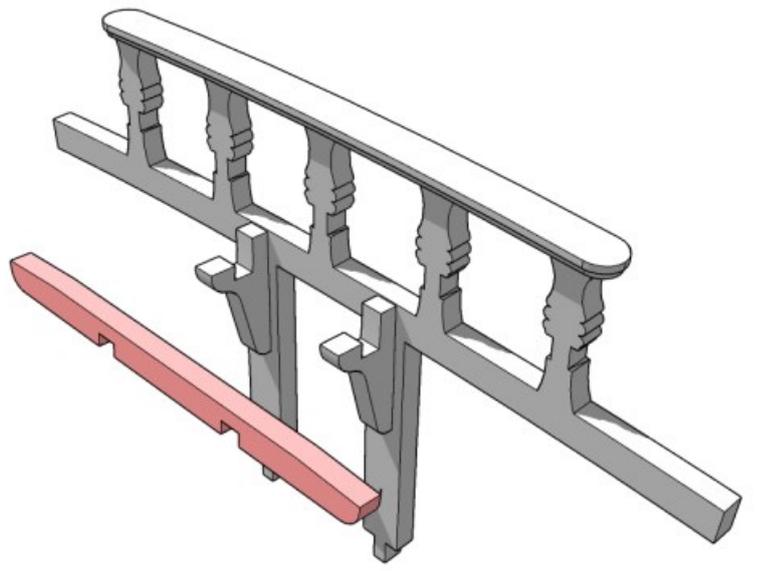
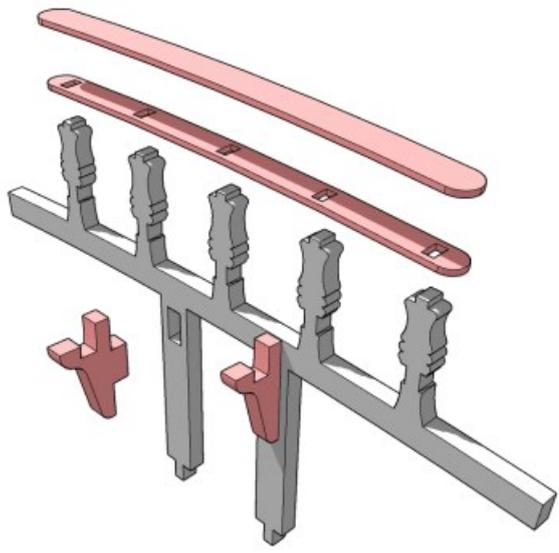


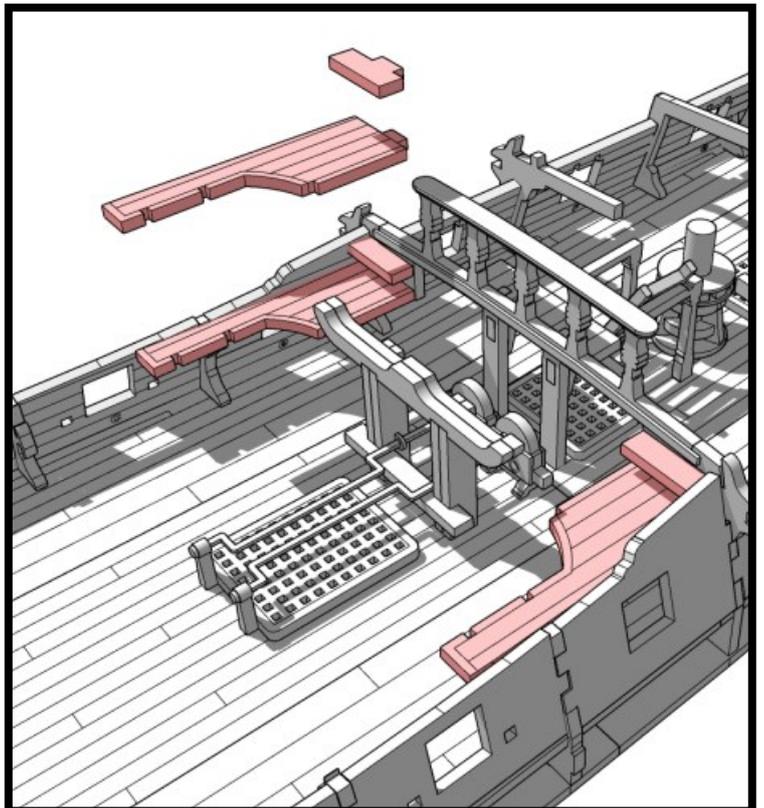
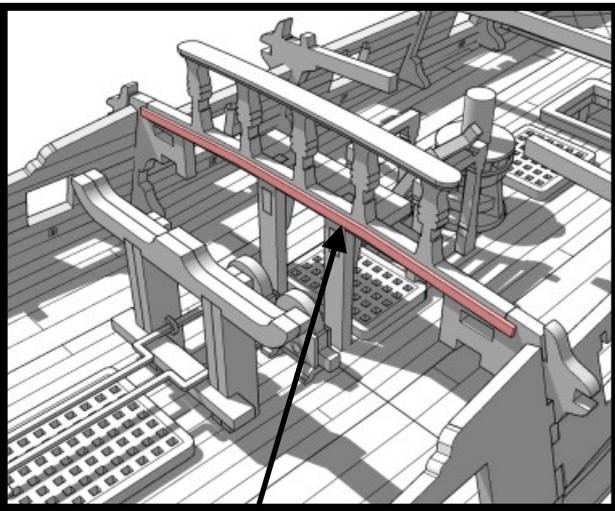
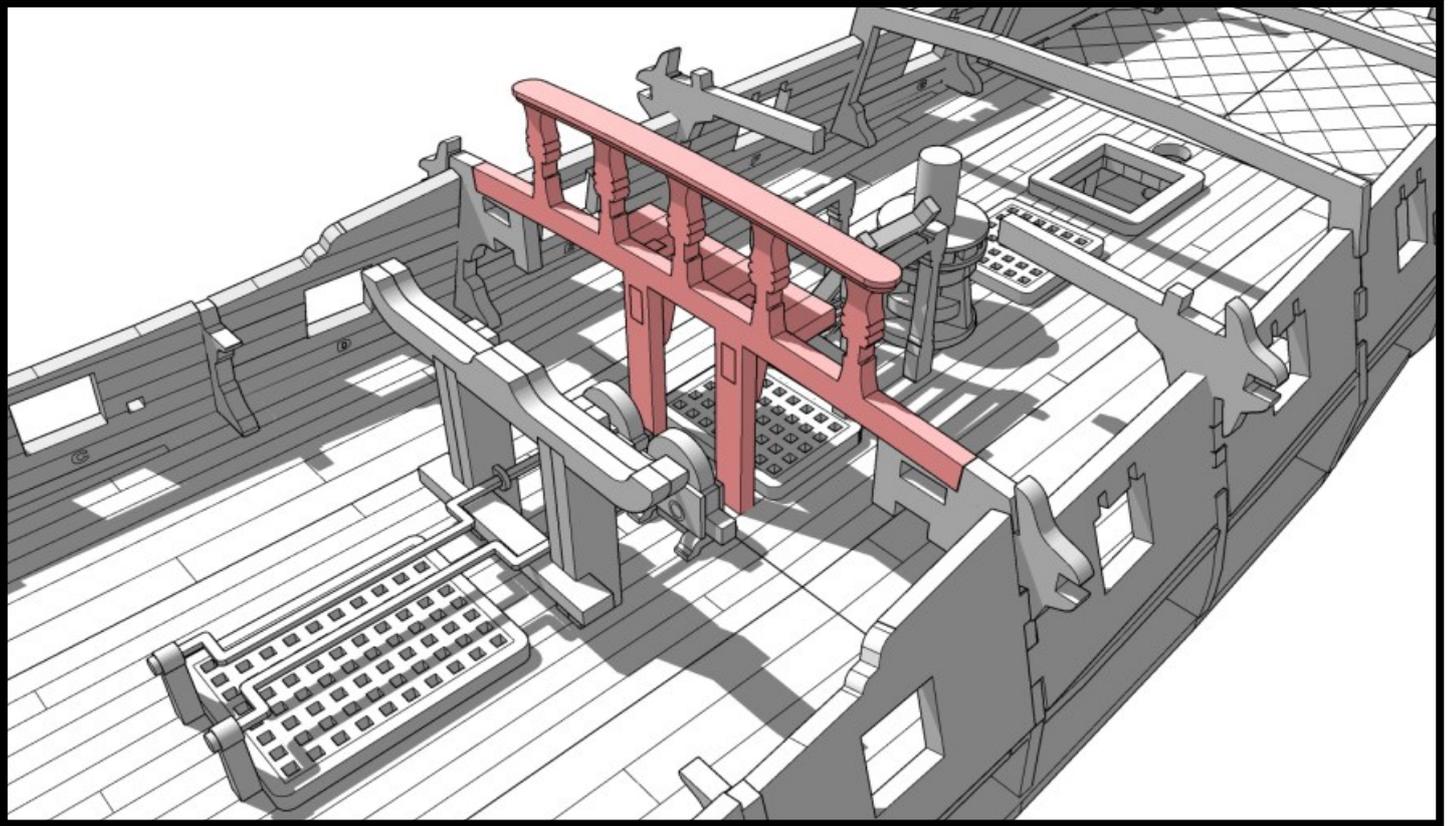
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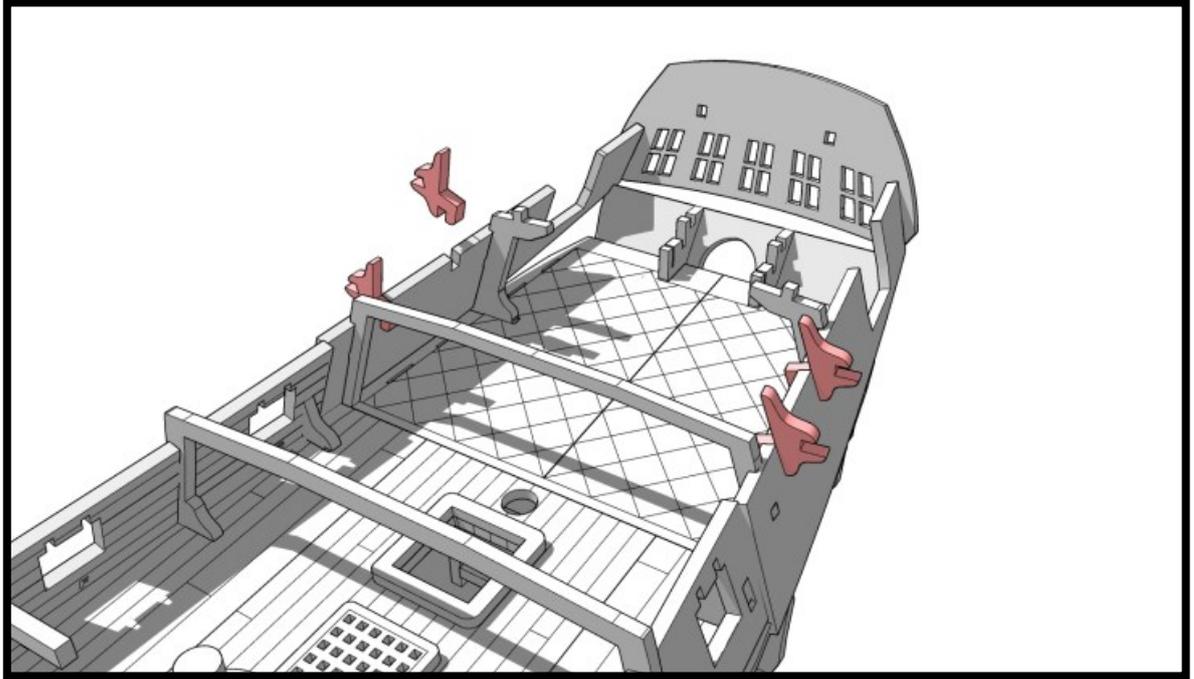
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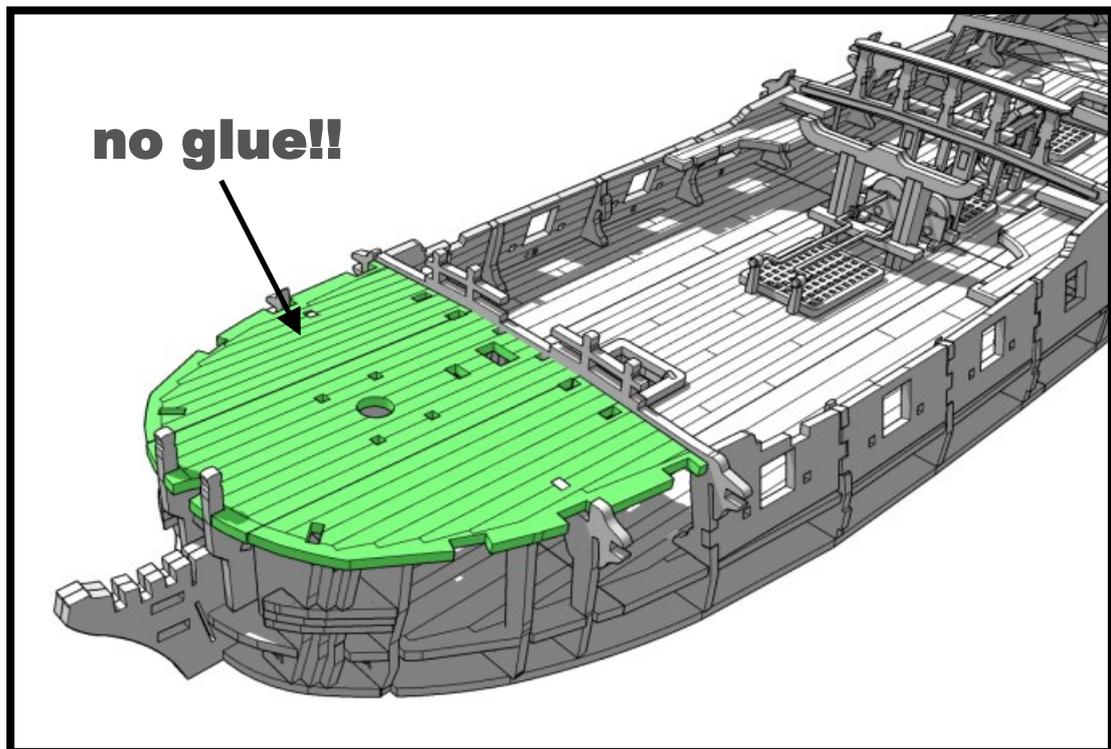


**2mm strip of cardboard**  
**Cut to size**



**Place, do not glue the forecastle deck sections to help align the outer hull skins.**

**It's far easier to leave these separate until after the Cannon have been positioned.**

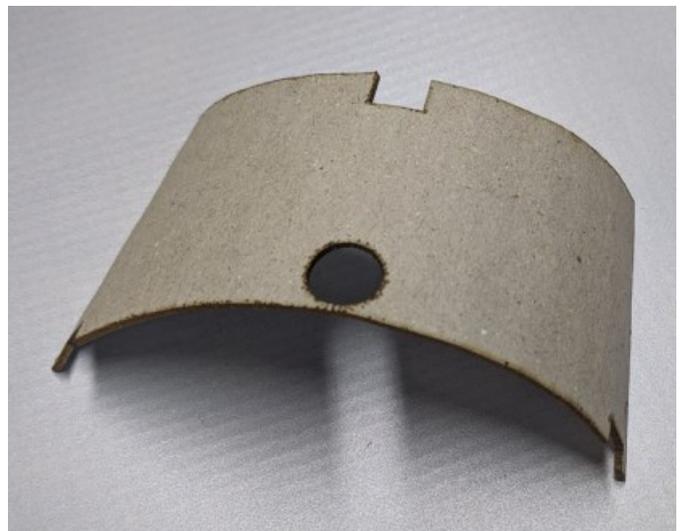
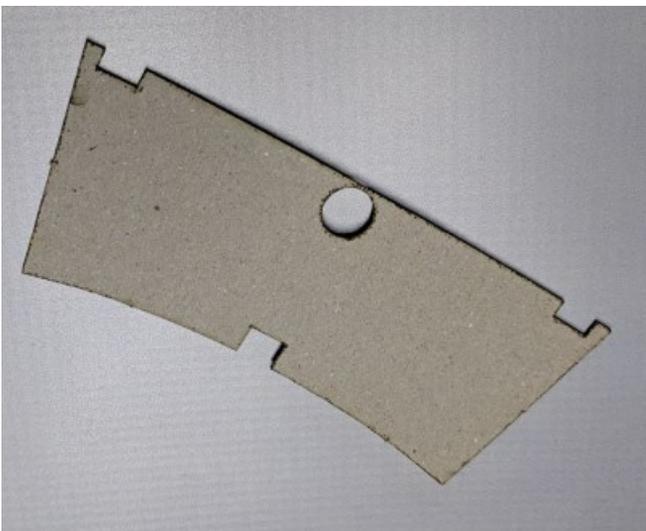


## **A few notes about the outer Skins:**

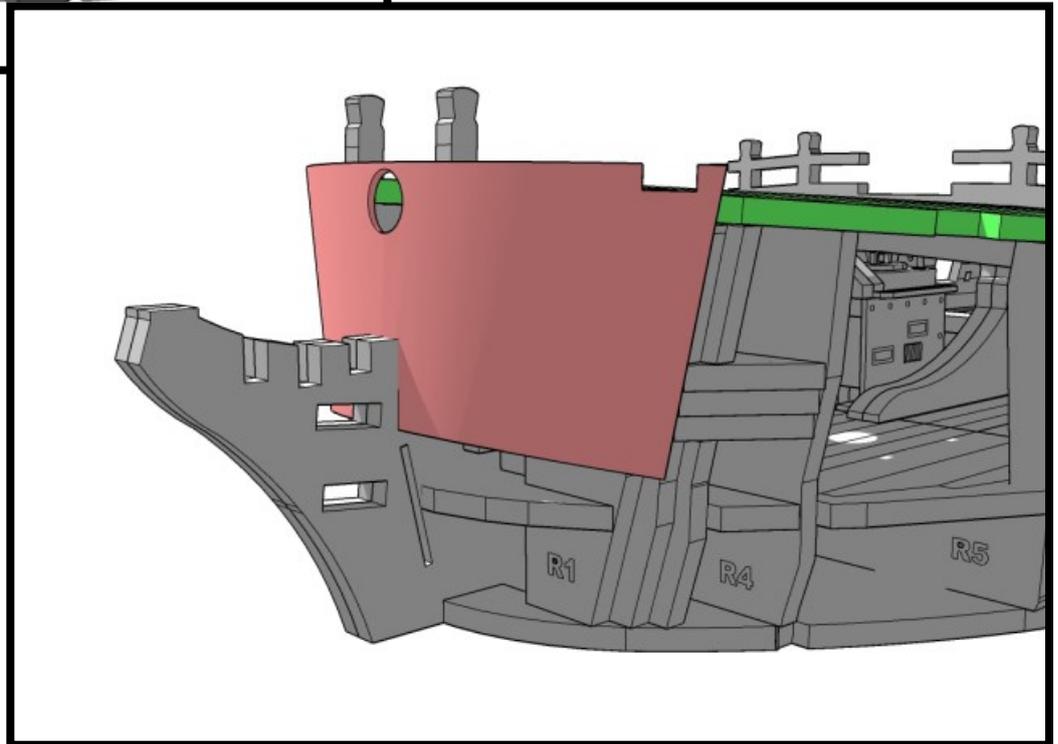
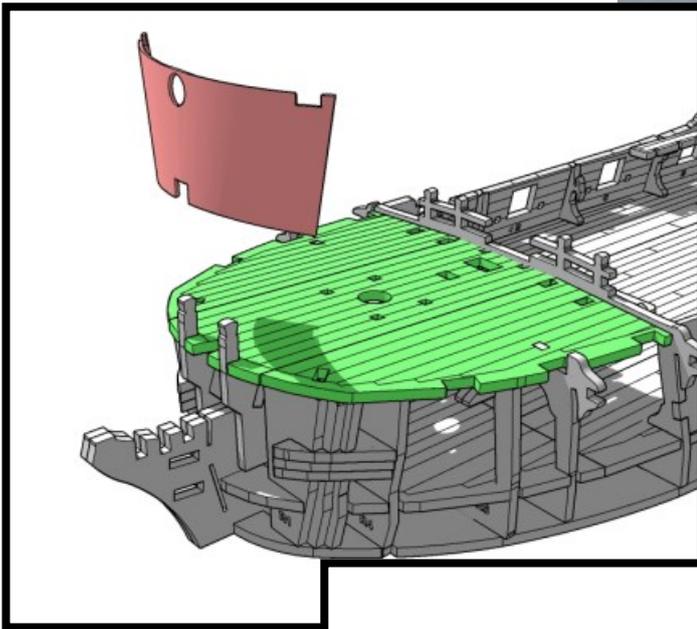
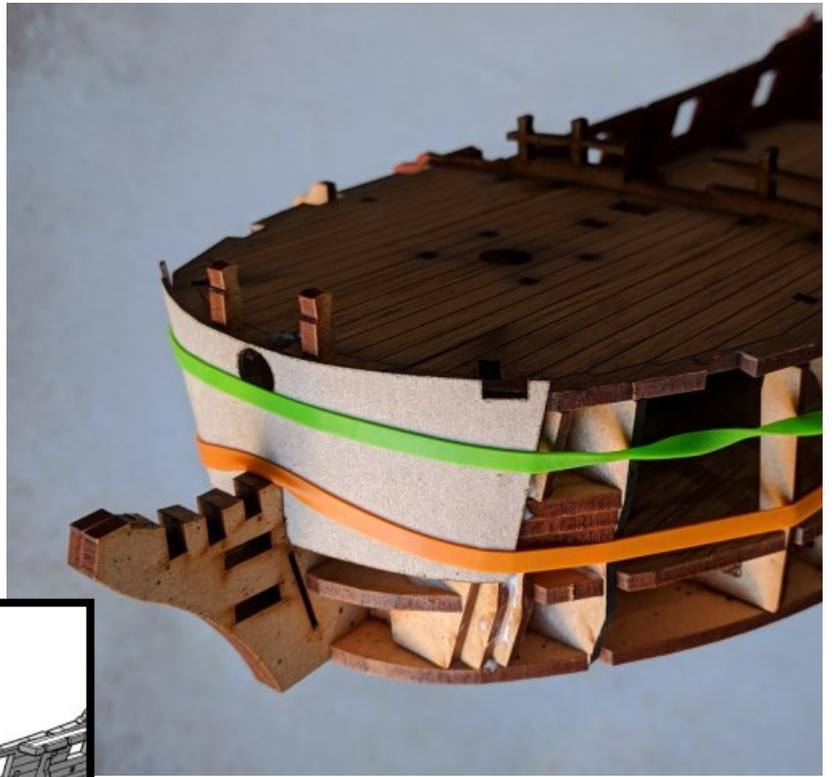
- 1. Test fit the pieces (without glue) to familiarise yourself with their locations.**
- 2. It is far easier to pre-bend the shapes so they sit nicely in place before you glue.**
- 3. Allow each piece to THOUROUGHLY dry before adding the next.**

**And**

- 4. The use of Rubber bands and/or small clips is recommended to keep them in place while drying. Be patient. Work on some other small assemblies while you wait.**

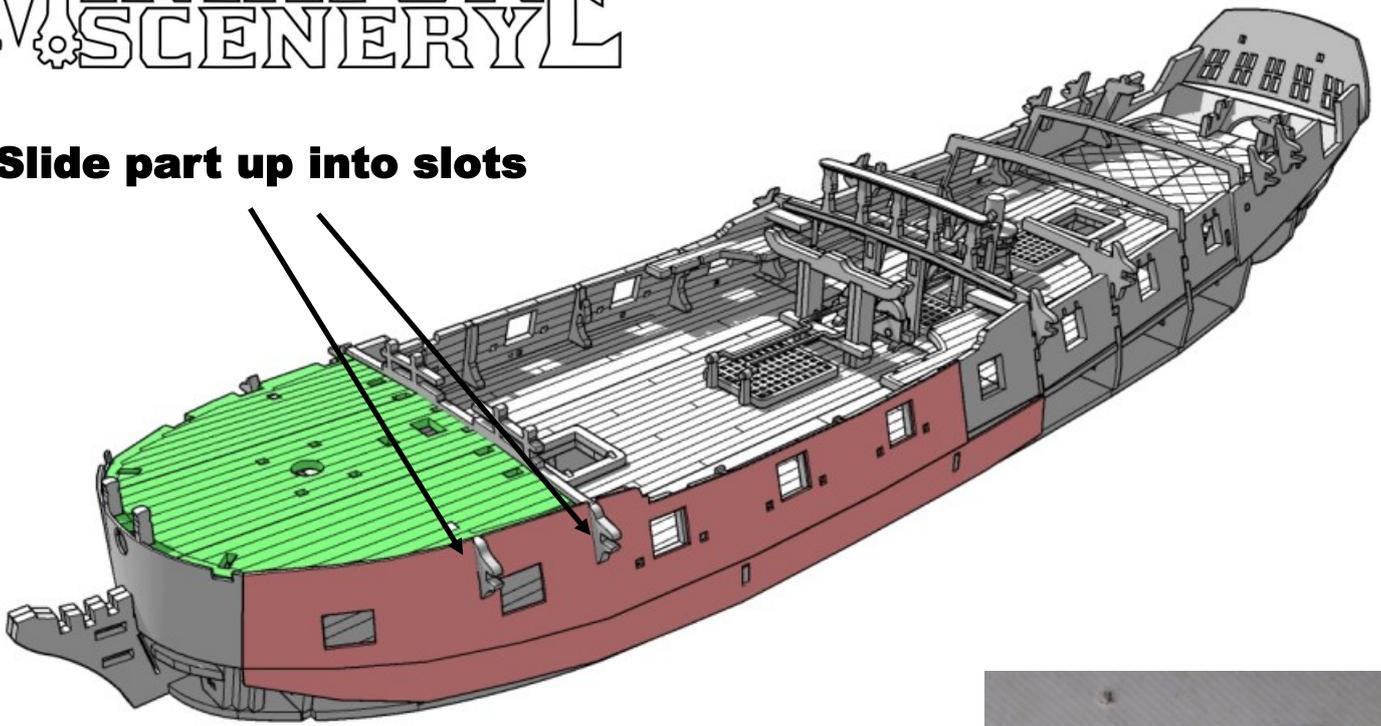


# MINIATURE SCENERY



# MINIATURE SCENERY

**Slide part up into slots**

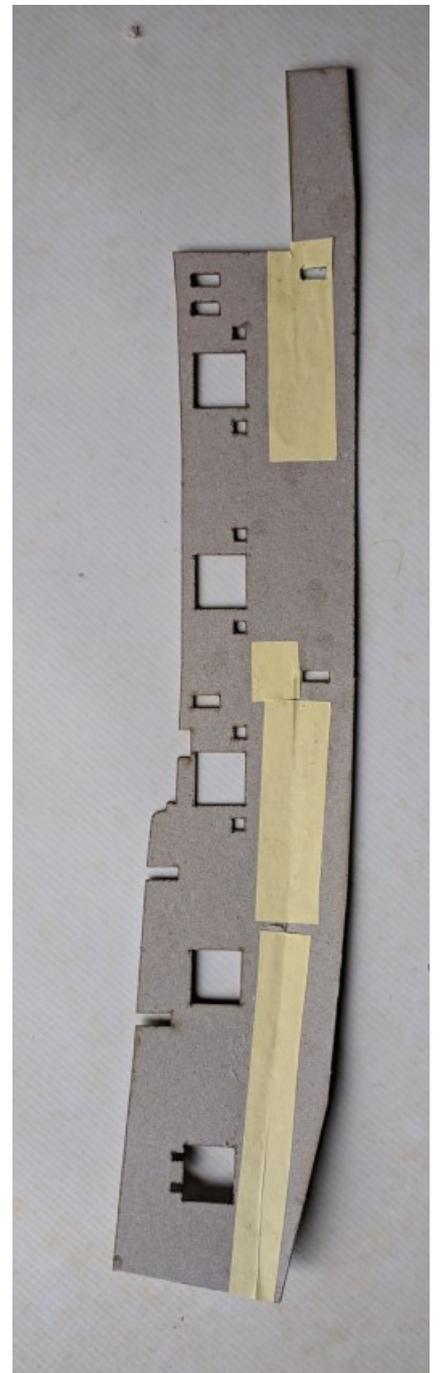


**Hint: I found it easier to join the forward edges from behind by gluing small sections of paper to the back surface. This will mean far less problems getting everything to line up.**

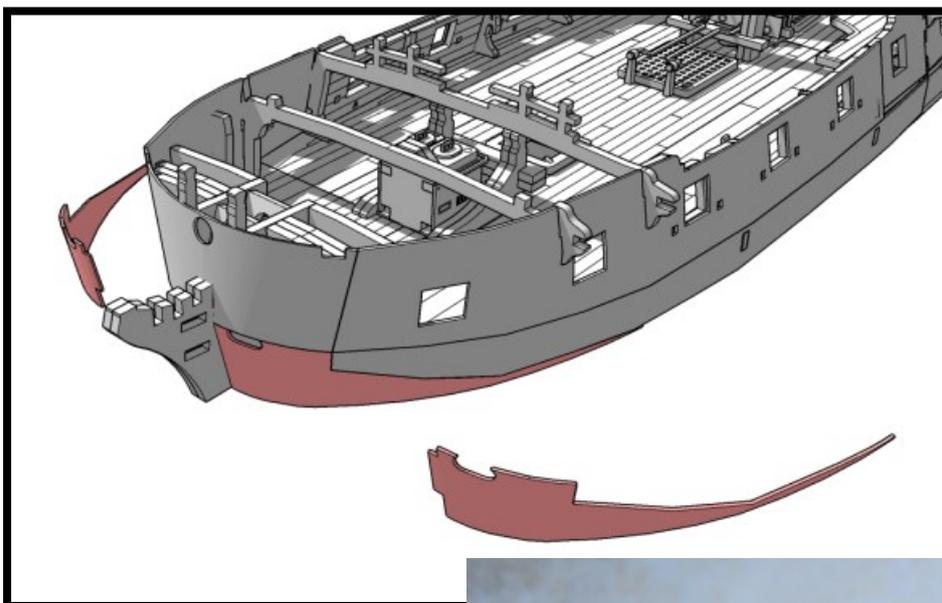
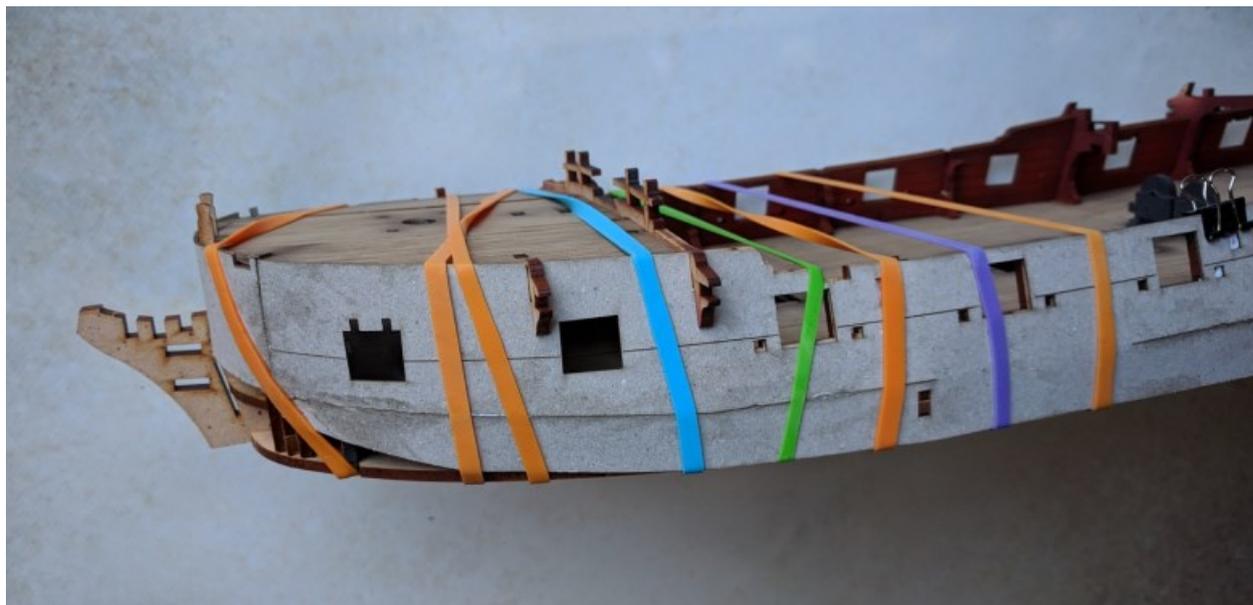
**Remember to test fit, and trim if necessary.**



**It's also a good idea to paint the inside of the Forecastle a dark colour before you permanently attach the deck.**



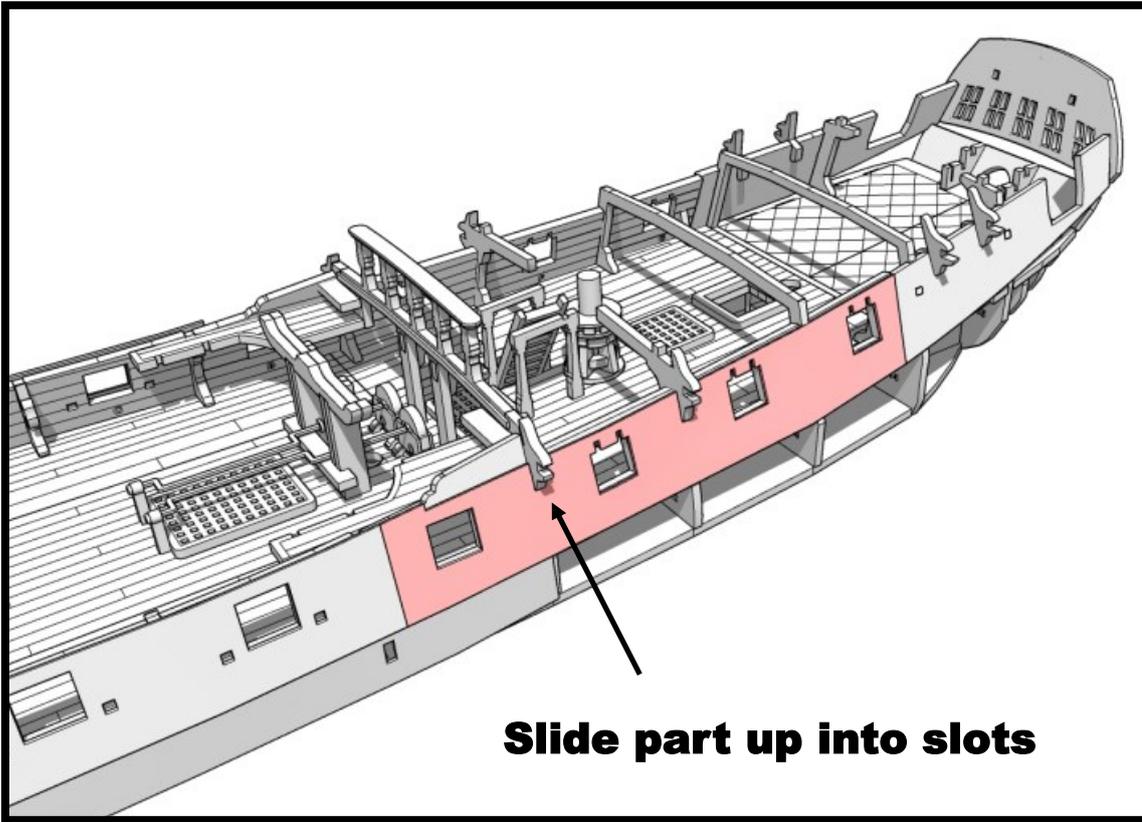
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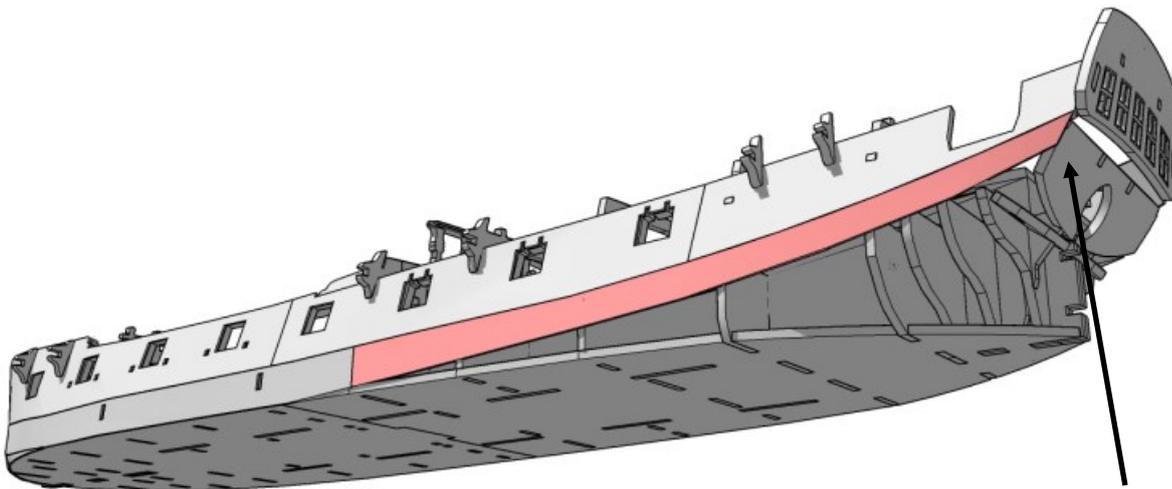
**See. It does work.**

**(note that this is an earlier prototype that didn't have the hawse holes added yet...)**





**Slide part up into slots**



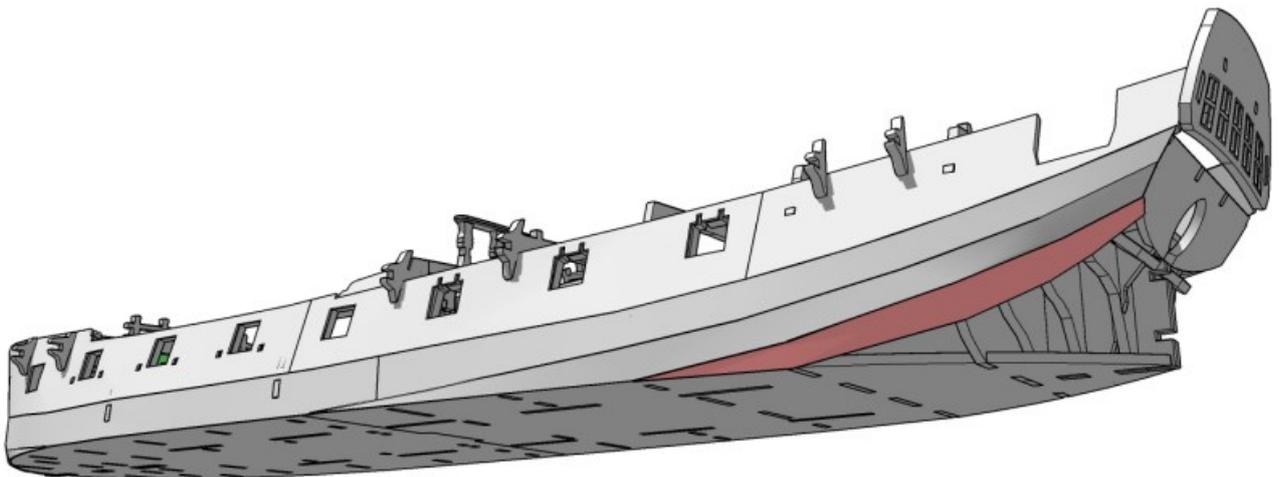
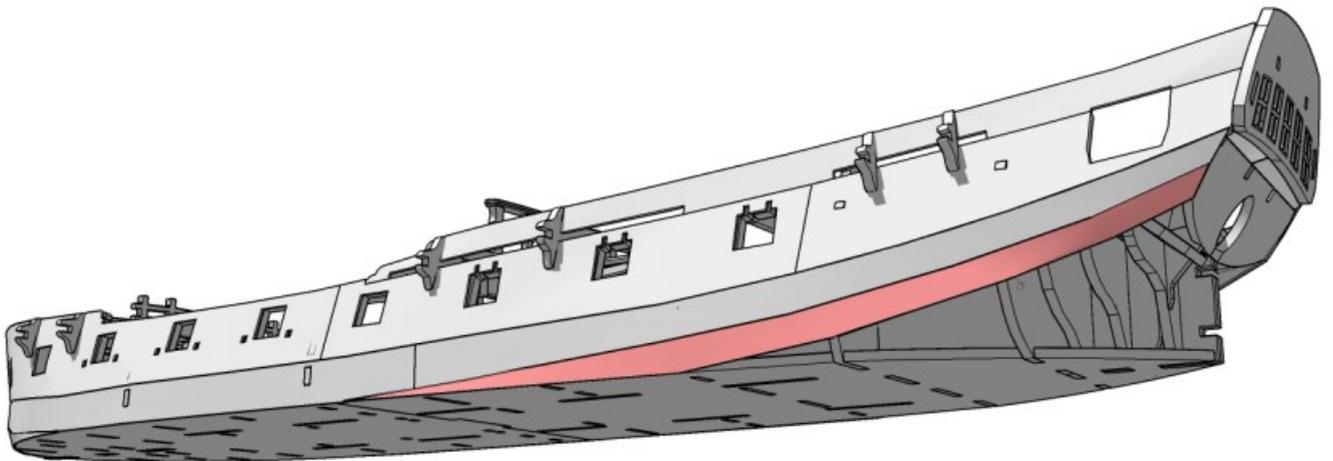
**There may be some slight  
overlap at the stern.**

**You can trim this away after  
the part is dry.**

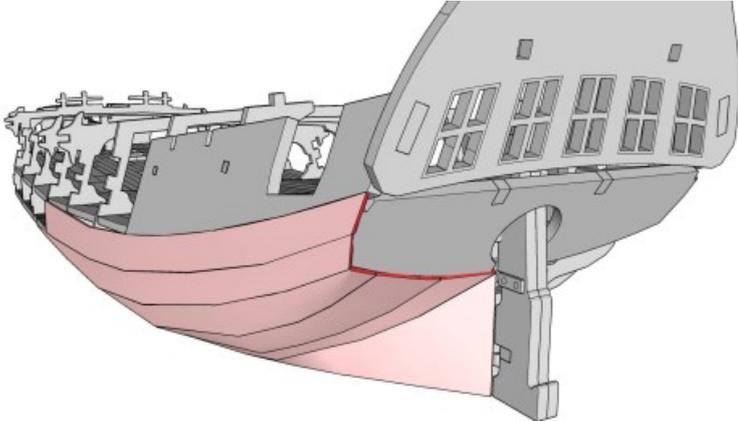
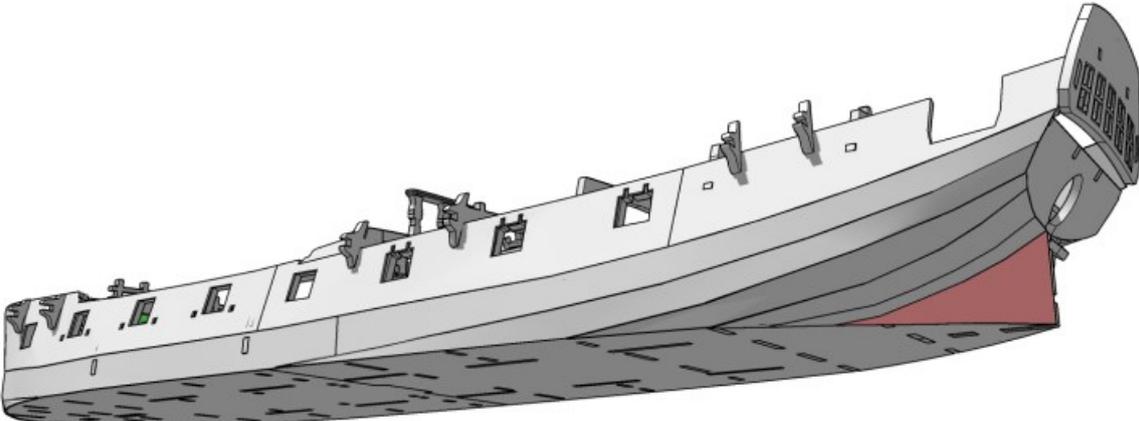
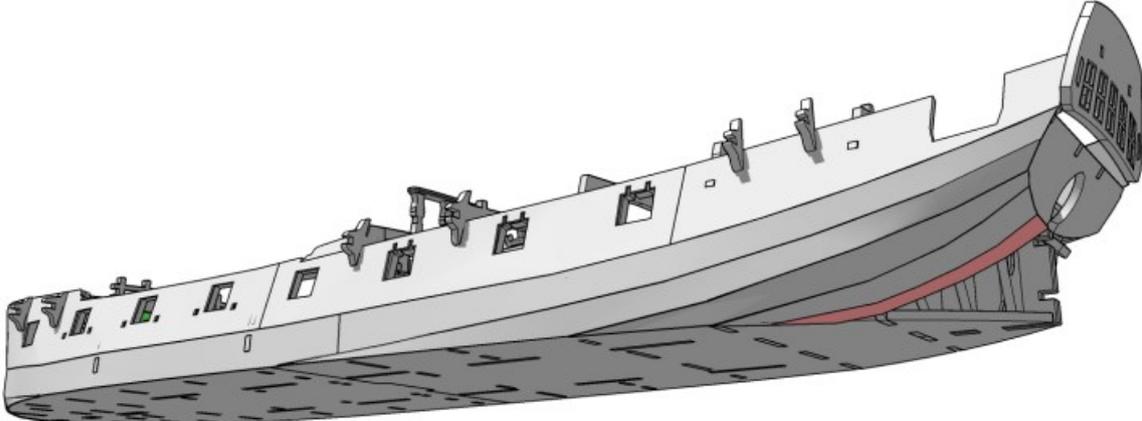
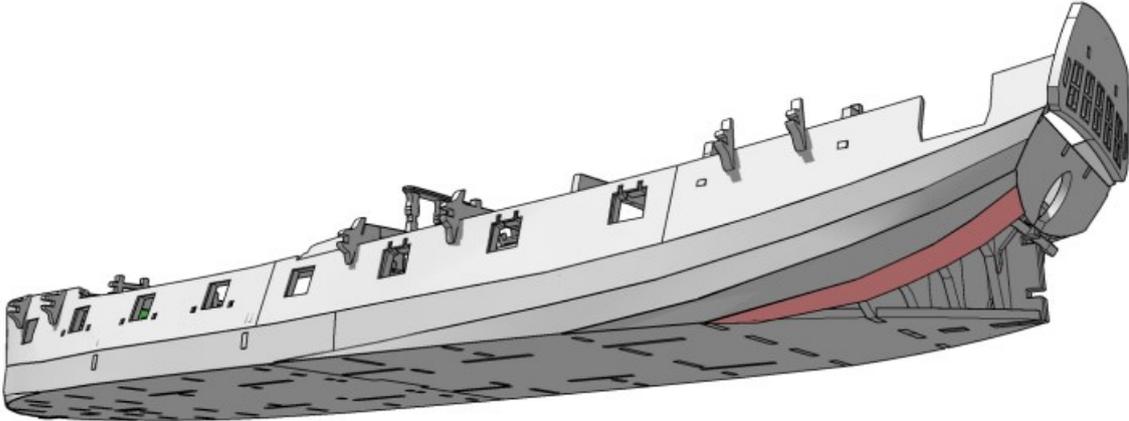
# MINIATURE SCENERY



**Make sure if you are using rubber bands that they are located on the ribs, so they don't crush the sides.**

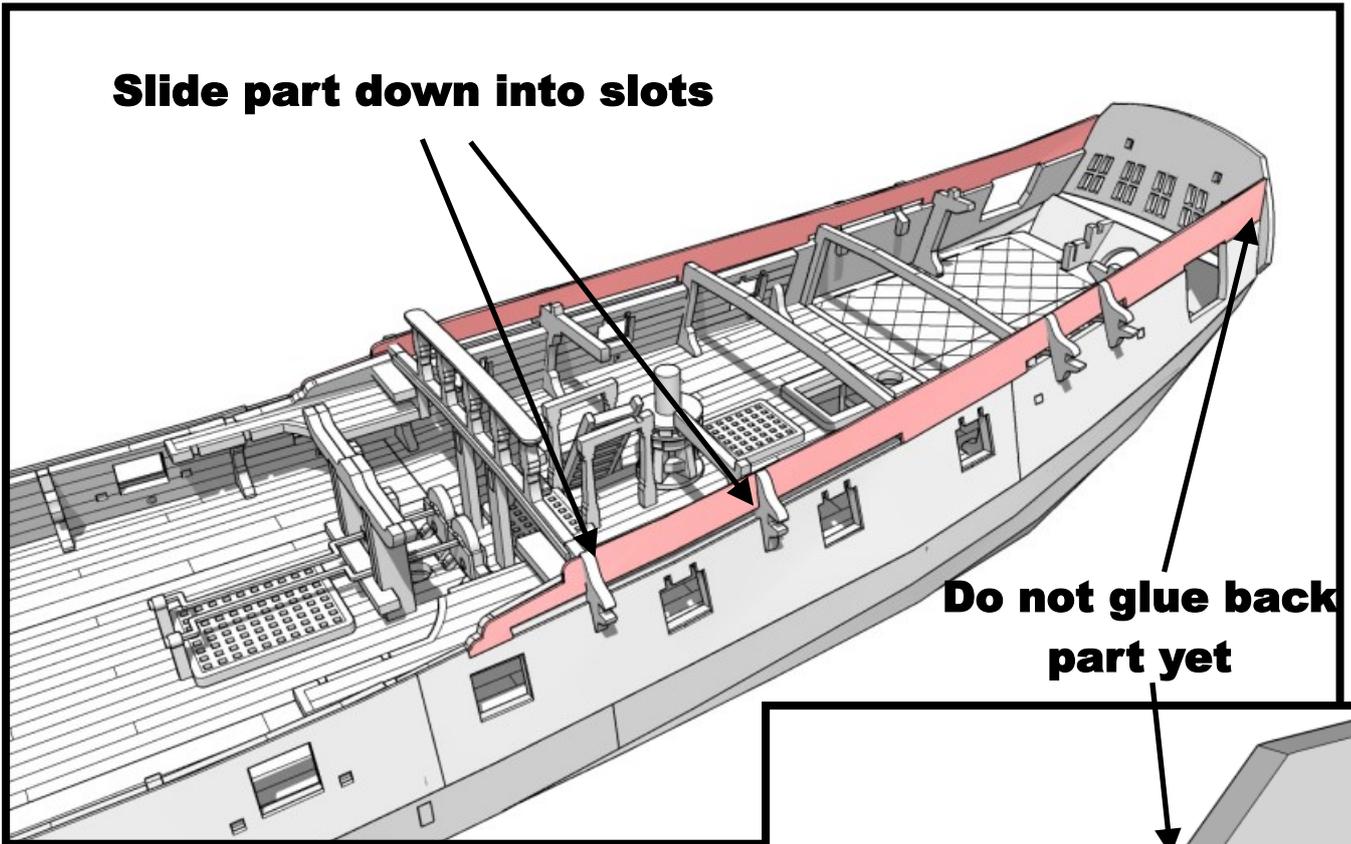


# MINIATURE SCENERY

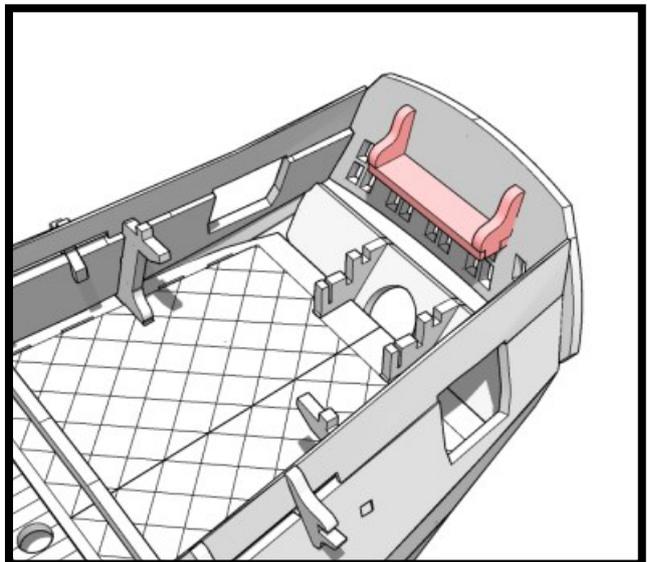
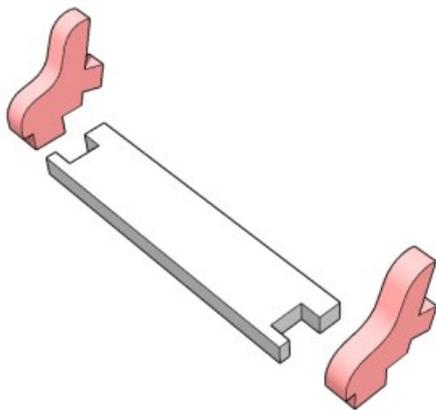
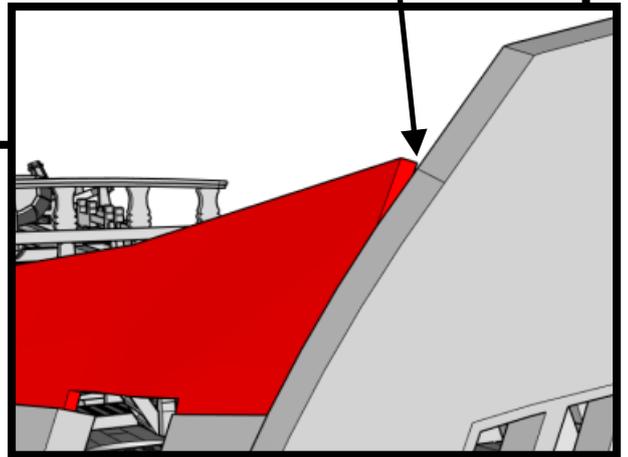


# MINIATURE SCENERY

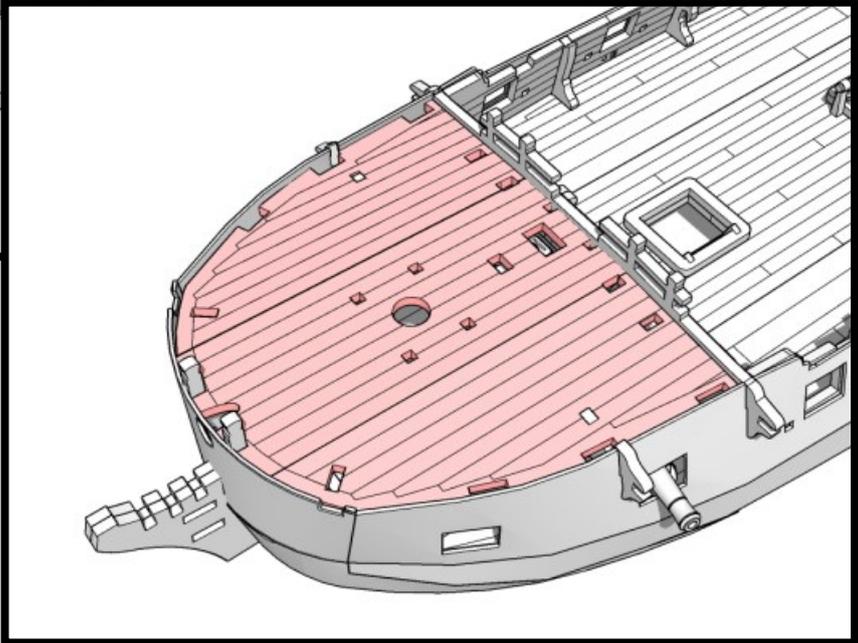
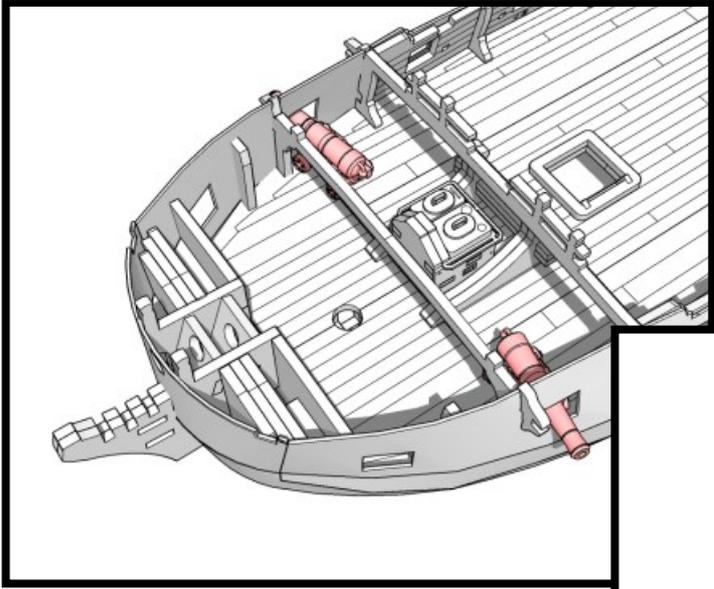
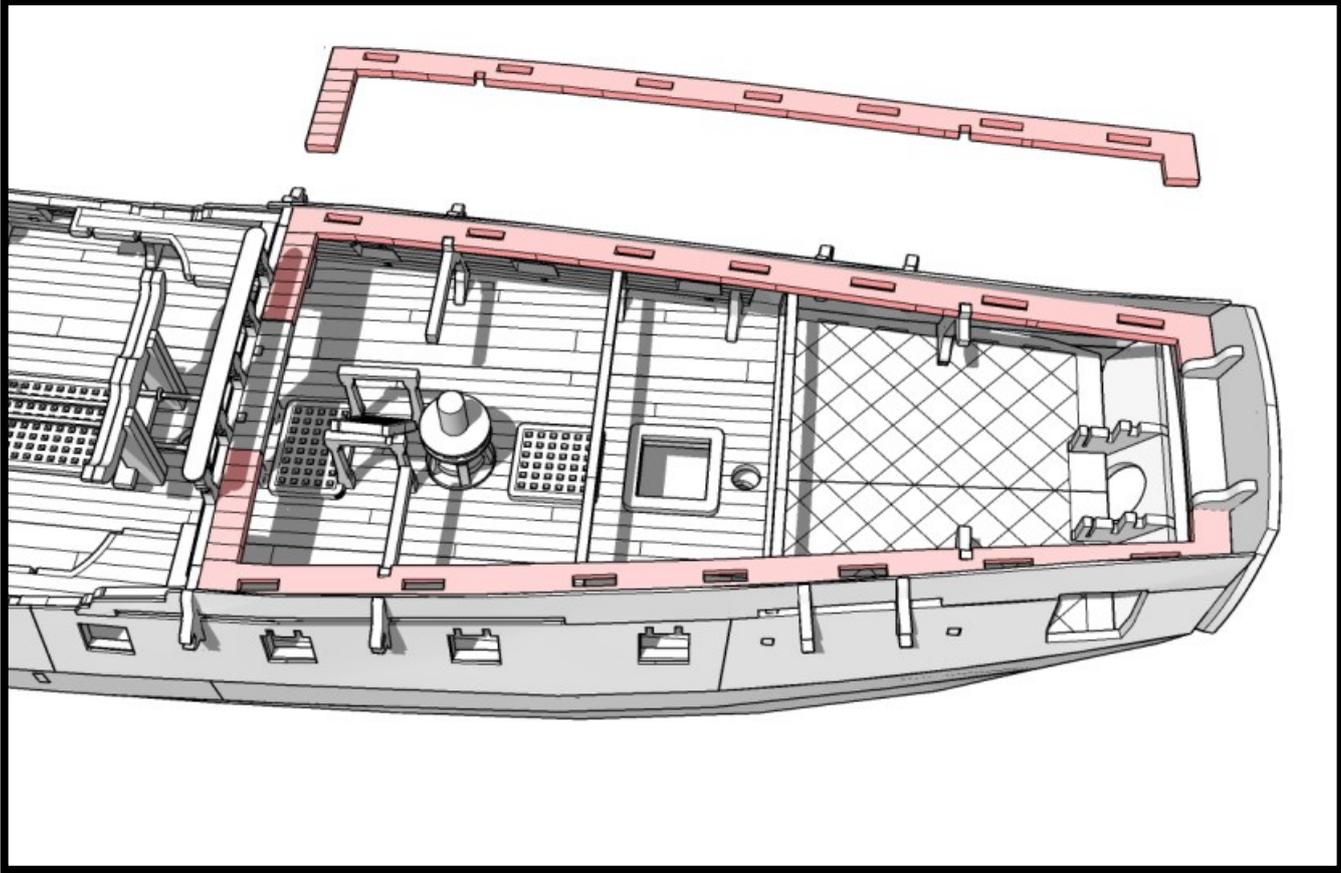
**Slide part down into slots**



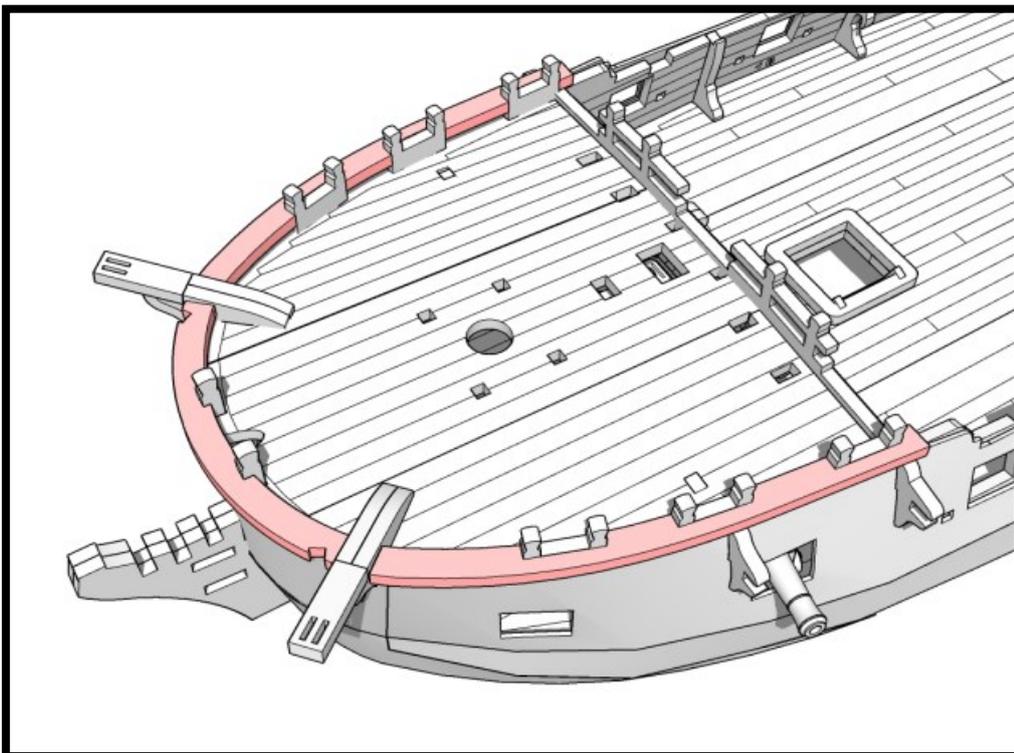
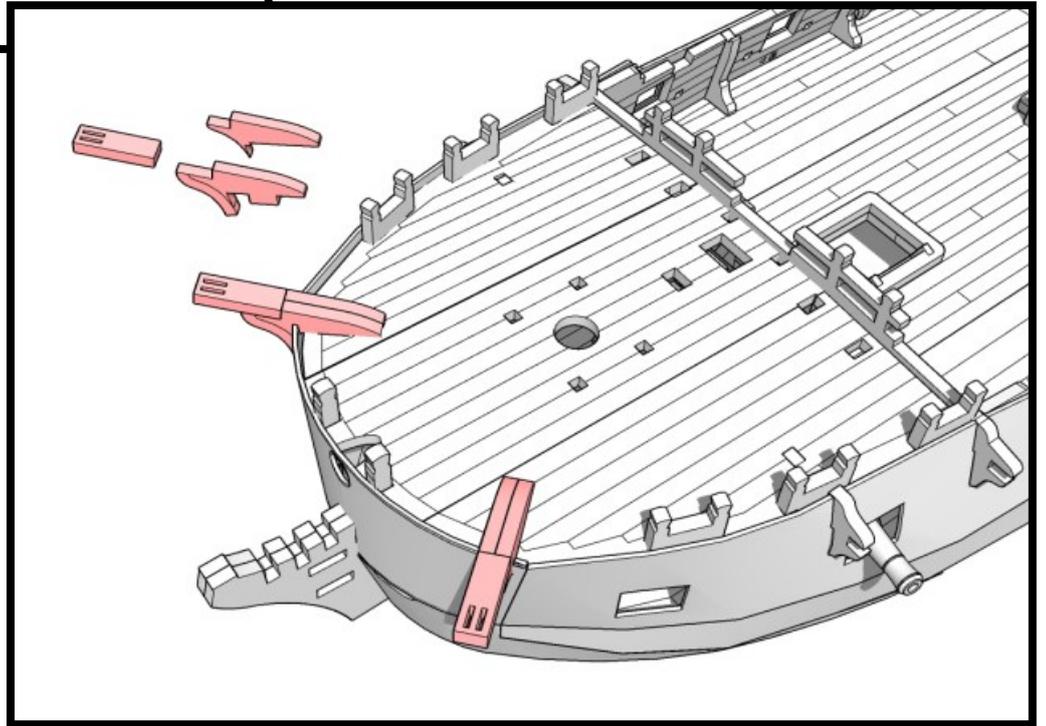
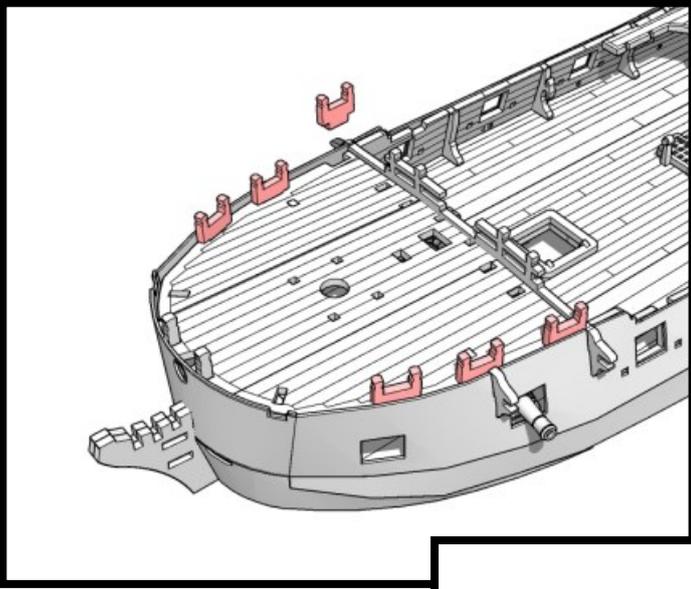
**Do not glue back part yet**



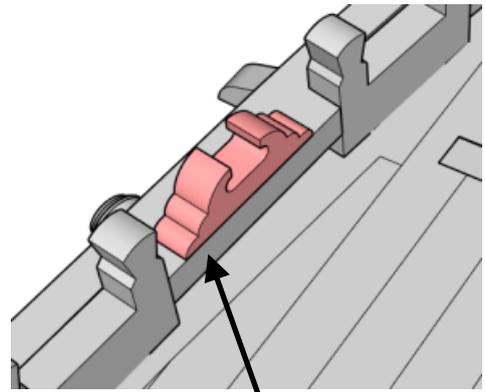
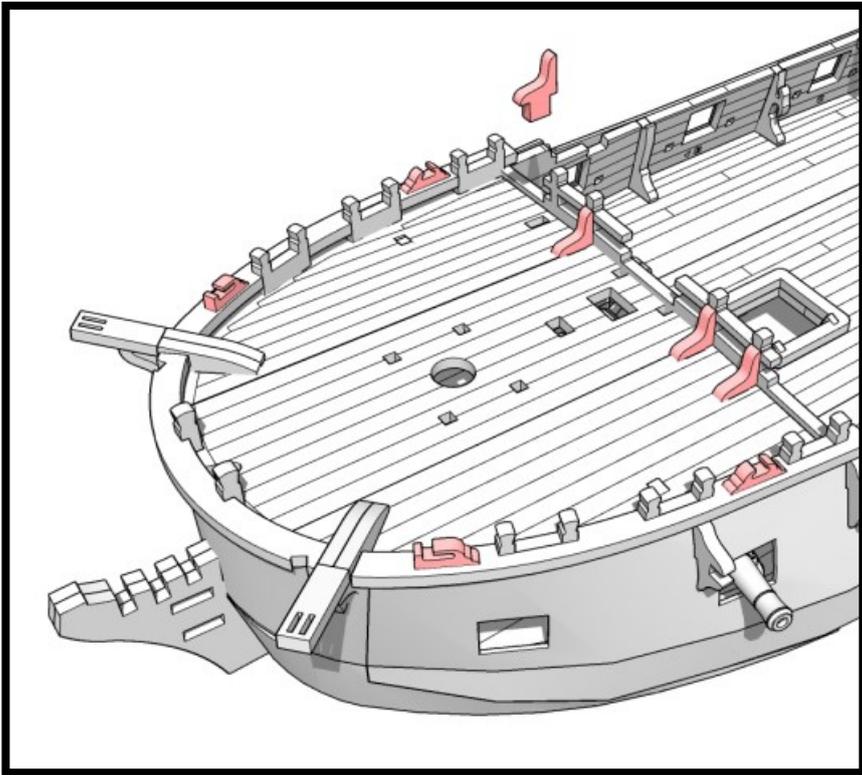
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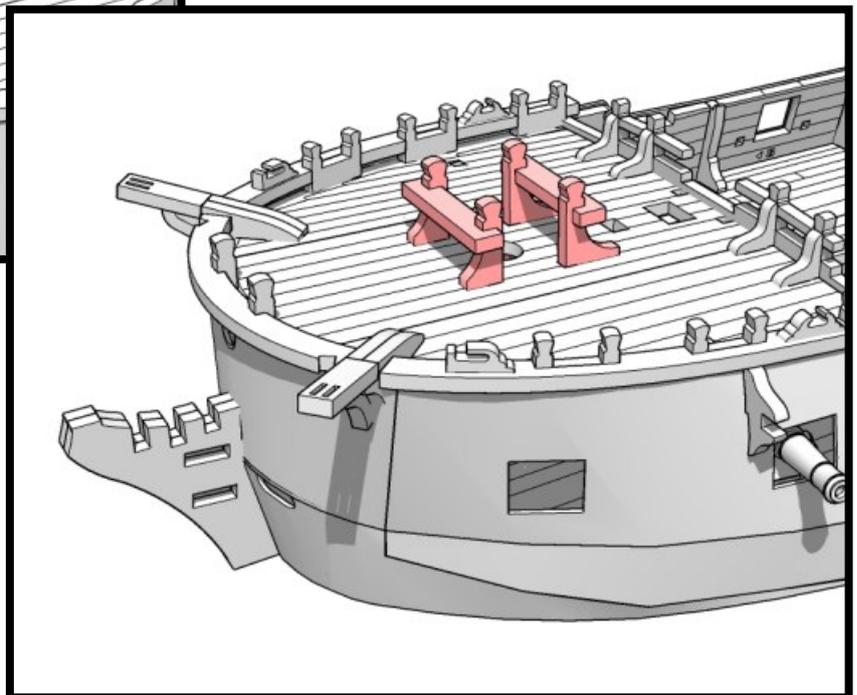
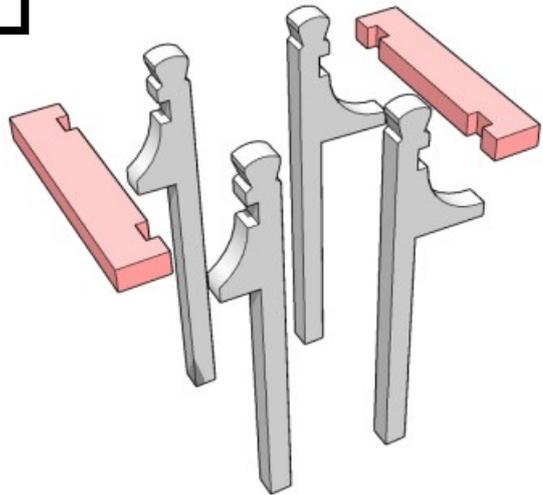
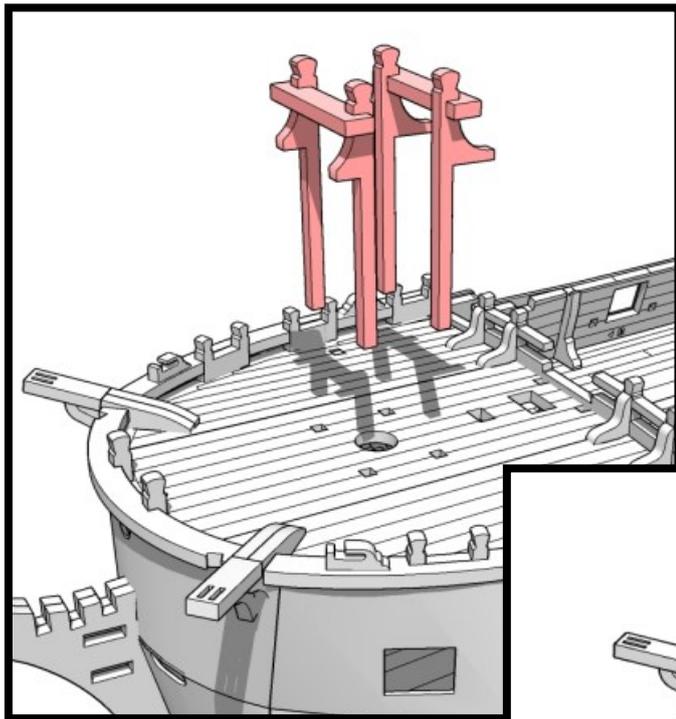
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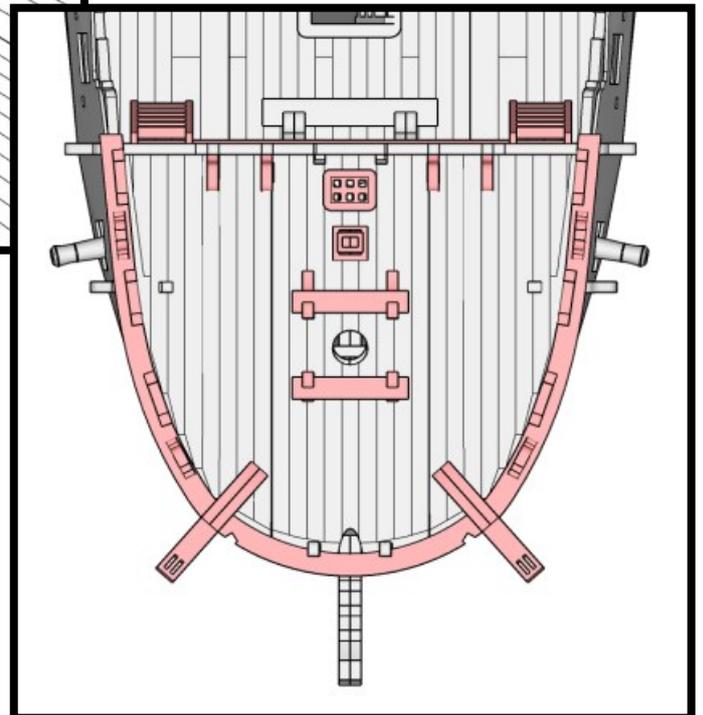
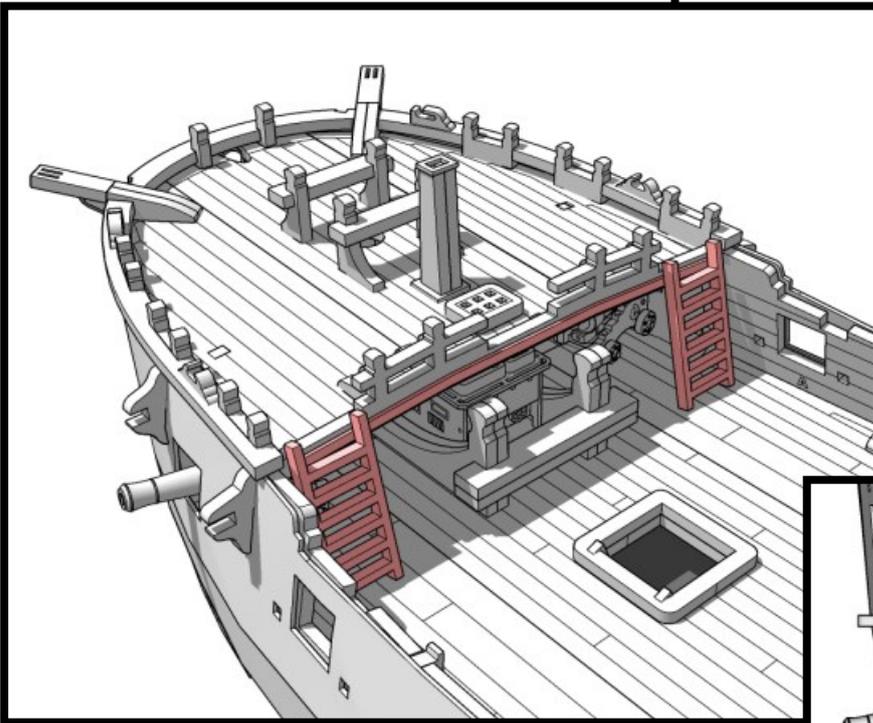
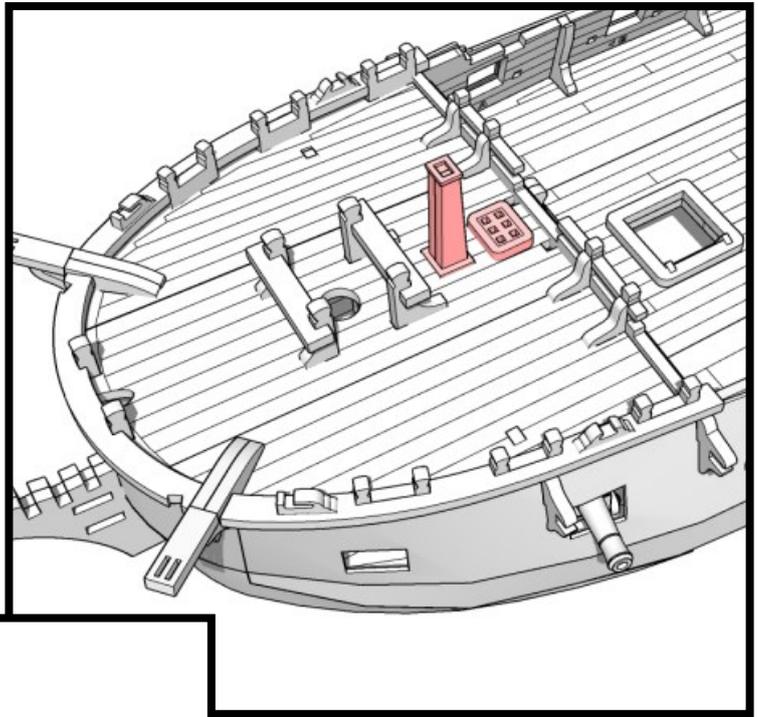
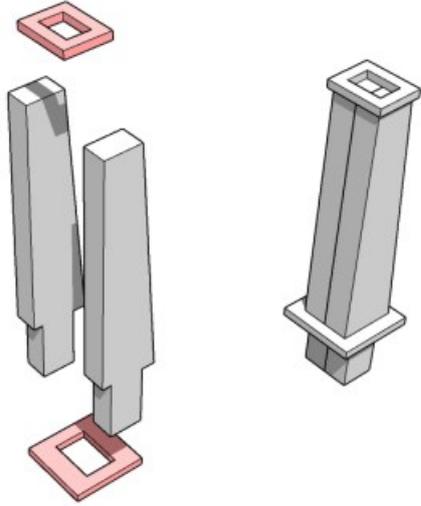
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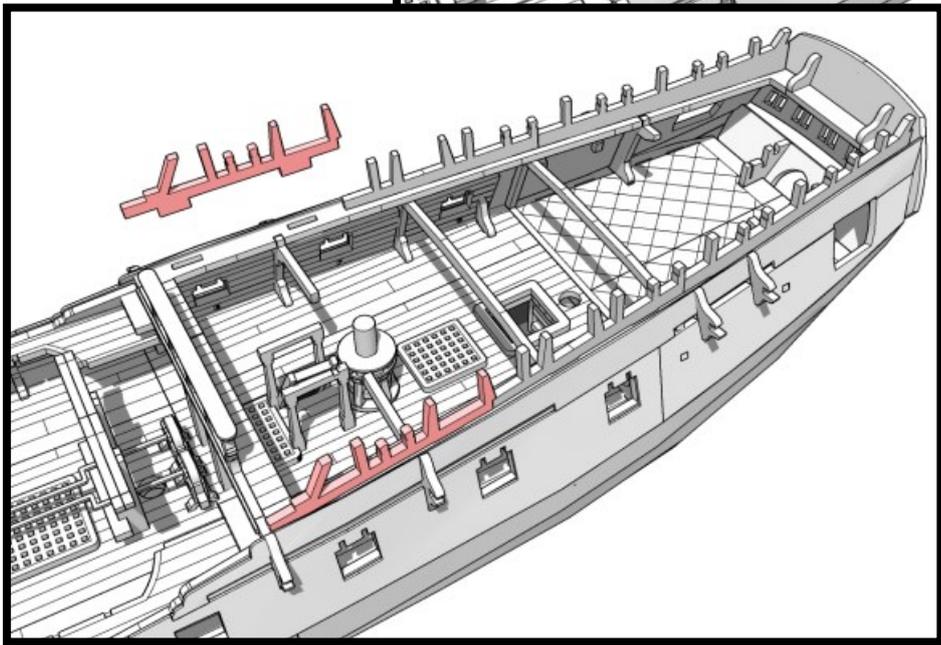
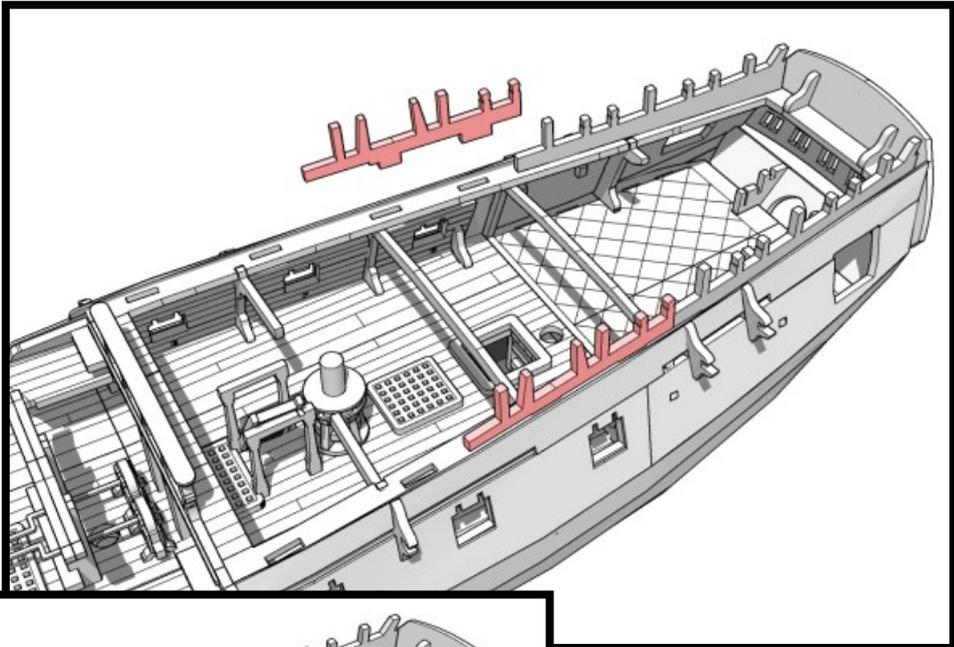
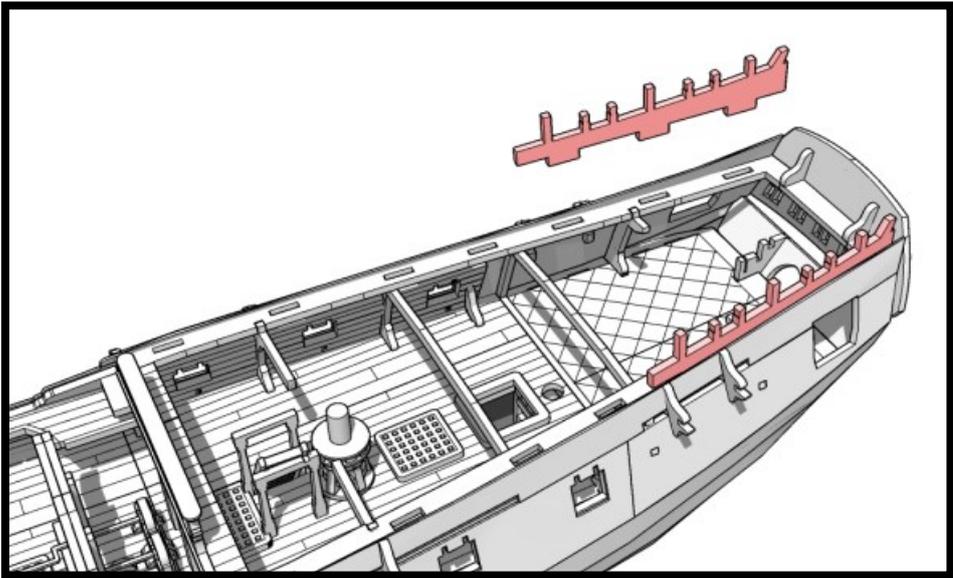
**Against edge**



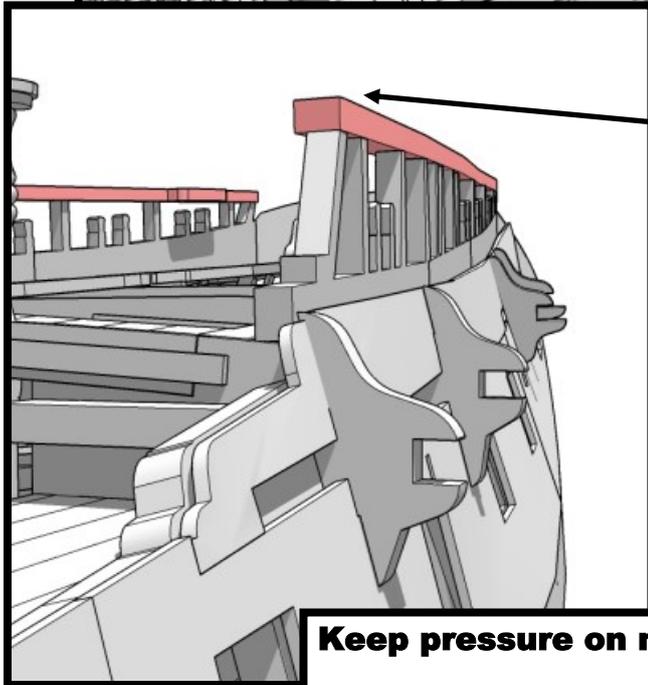
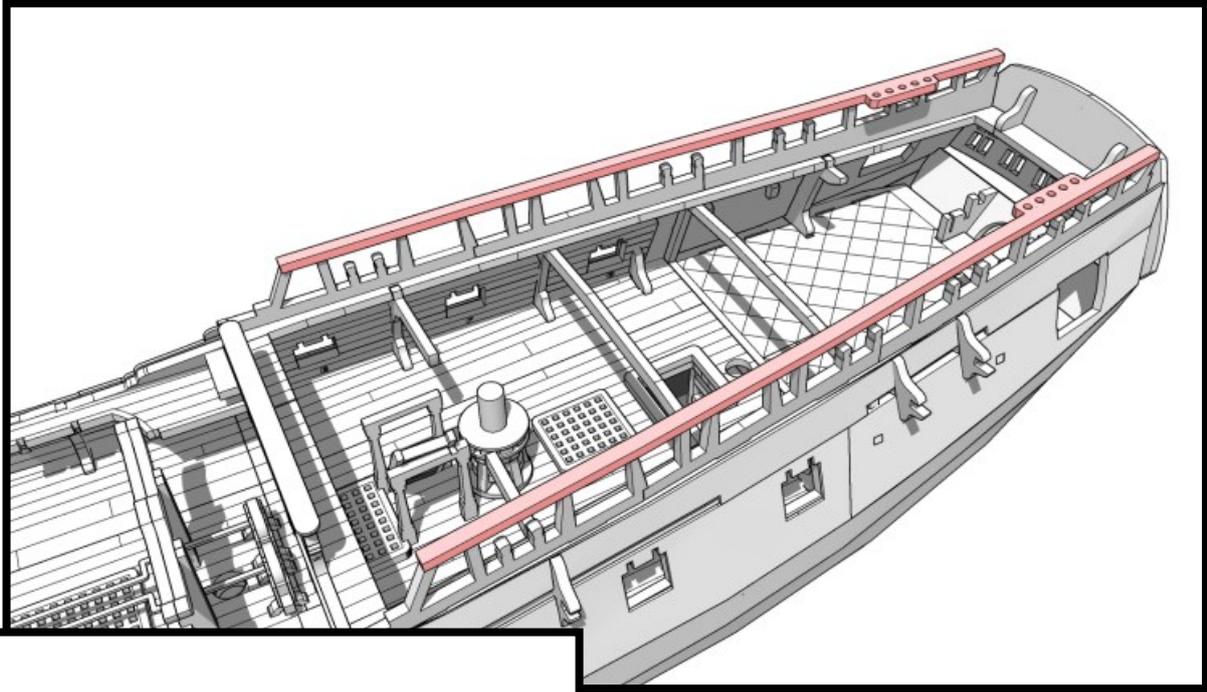
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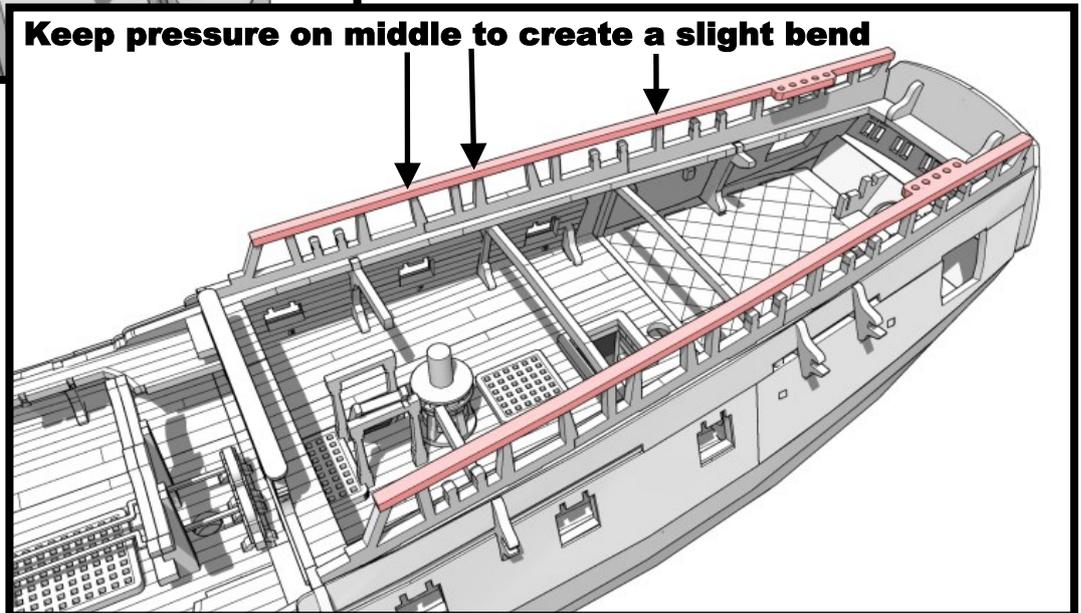
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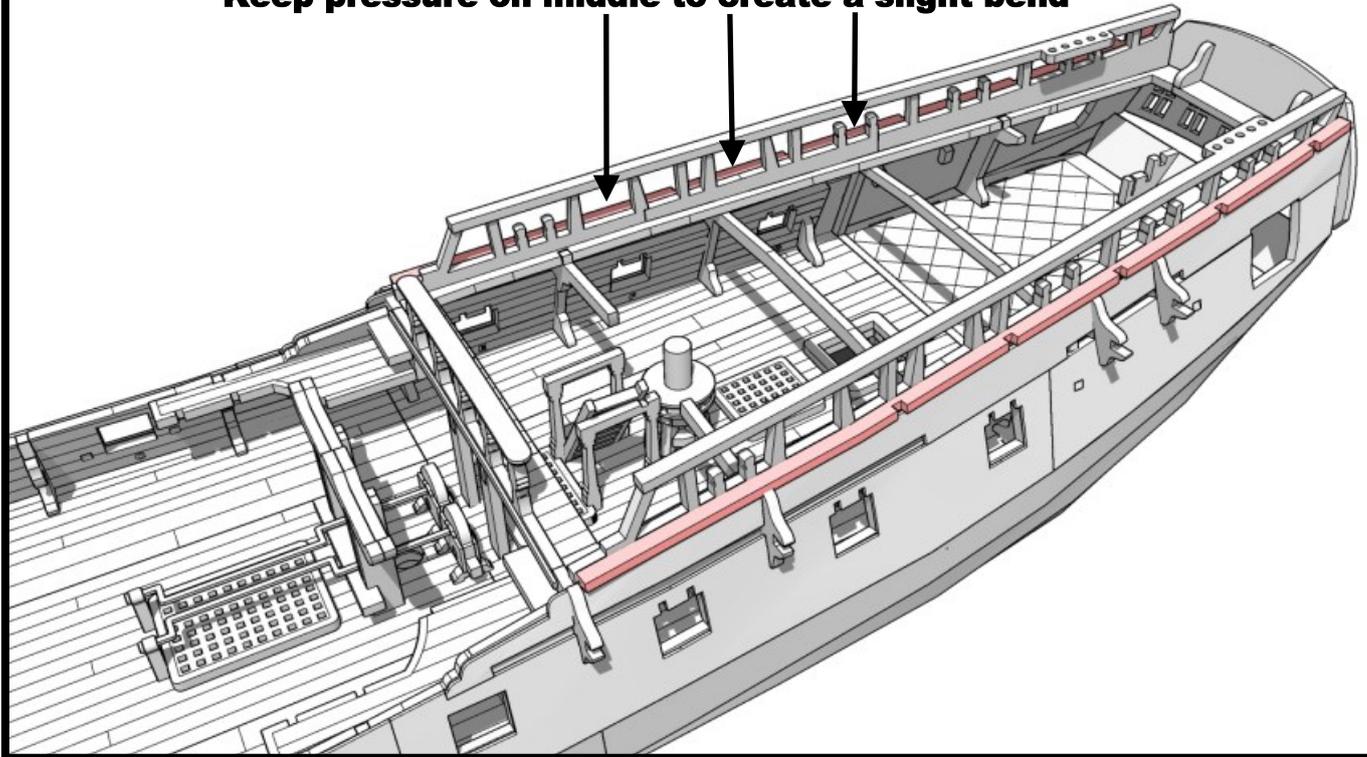
**Line up with outside of rail**



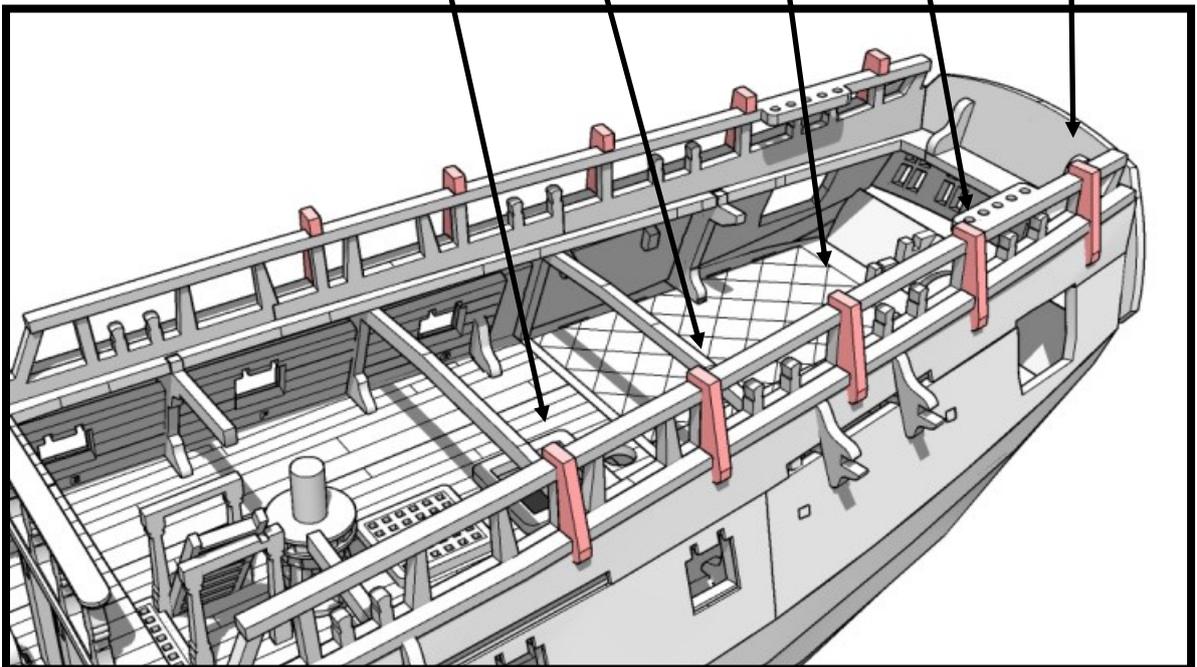
**Keep pressure on middle to create a slight bend**

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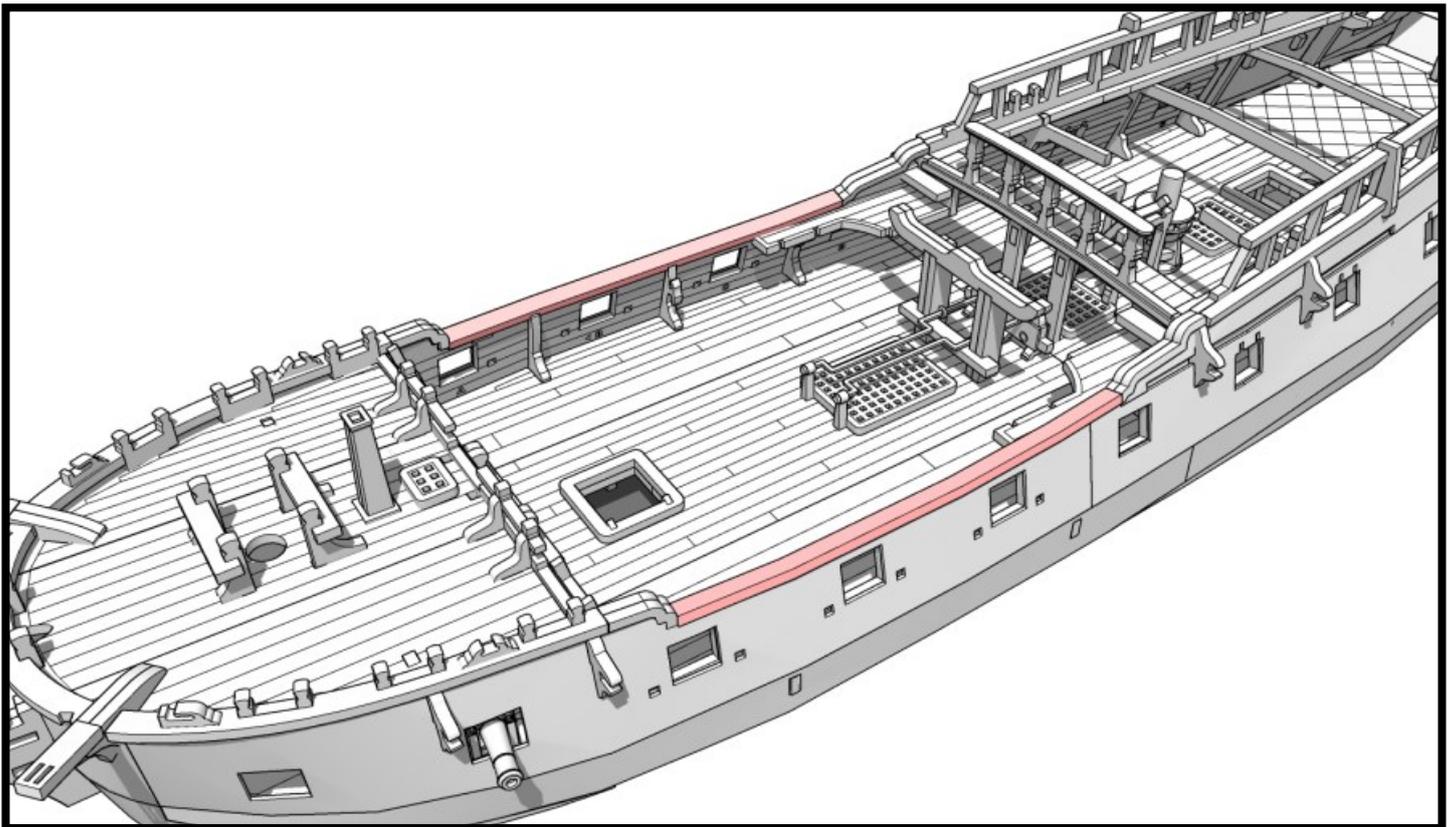
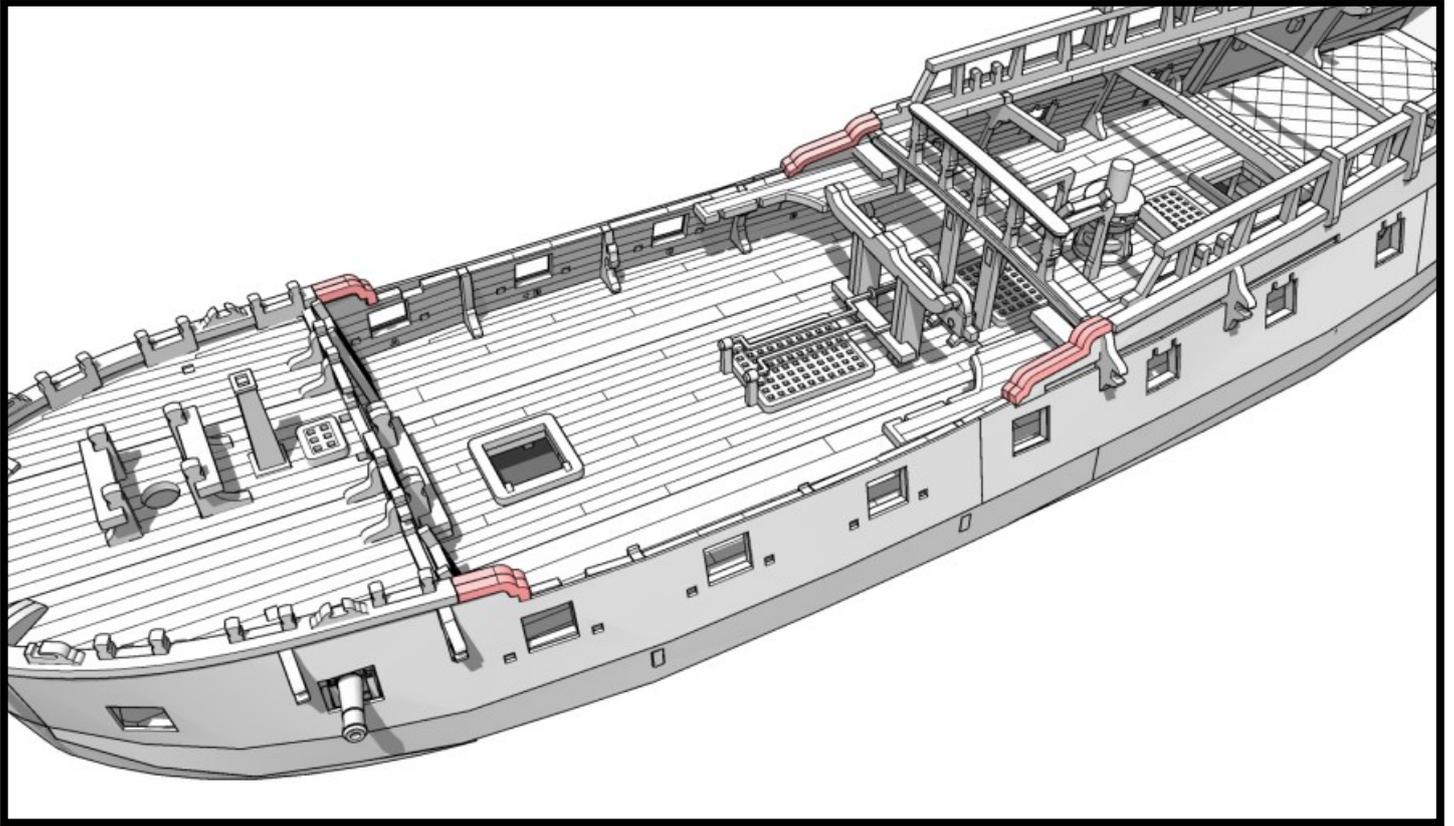
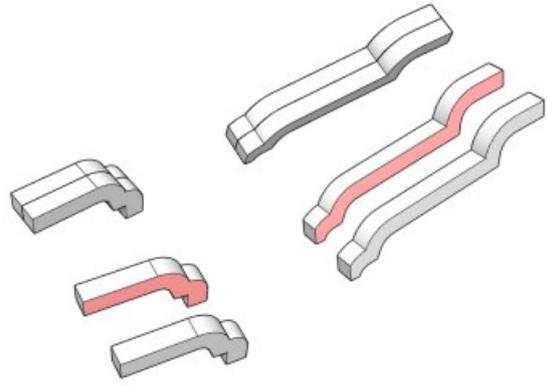
**Keep pressure on middle to create a slight bend**



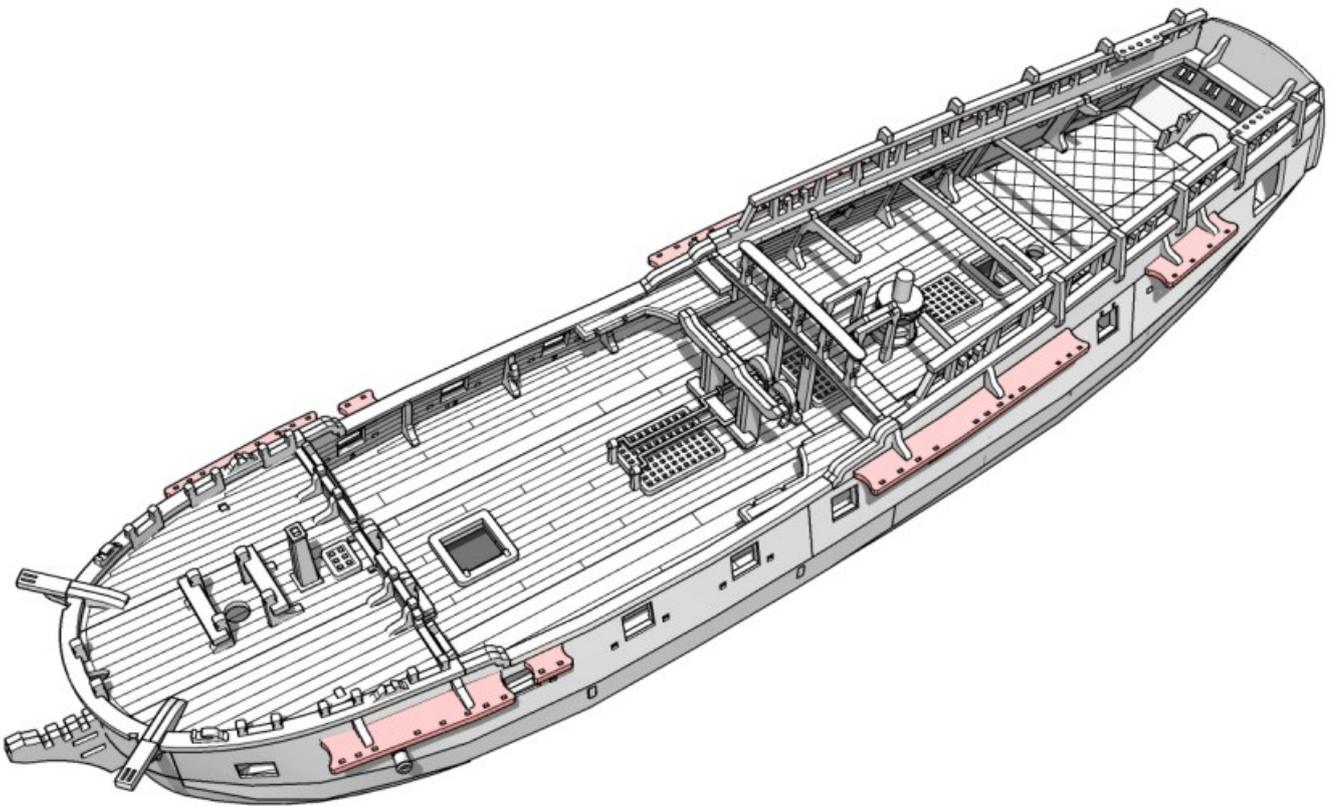
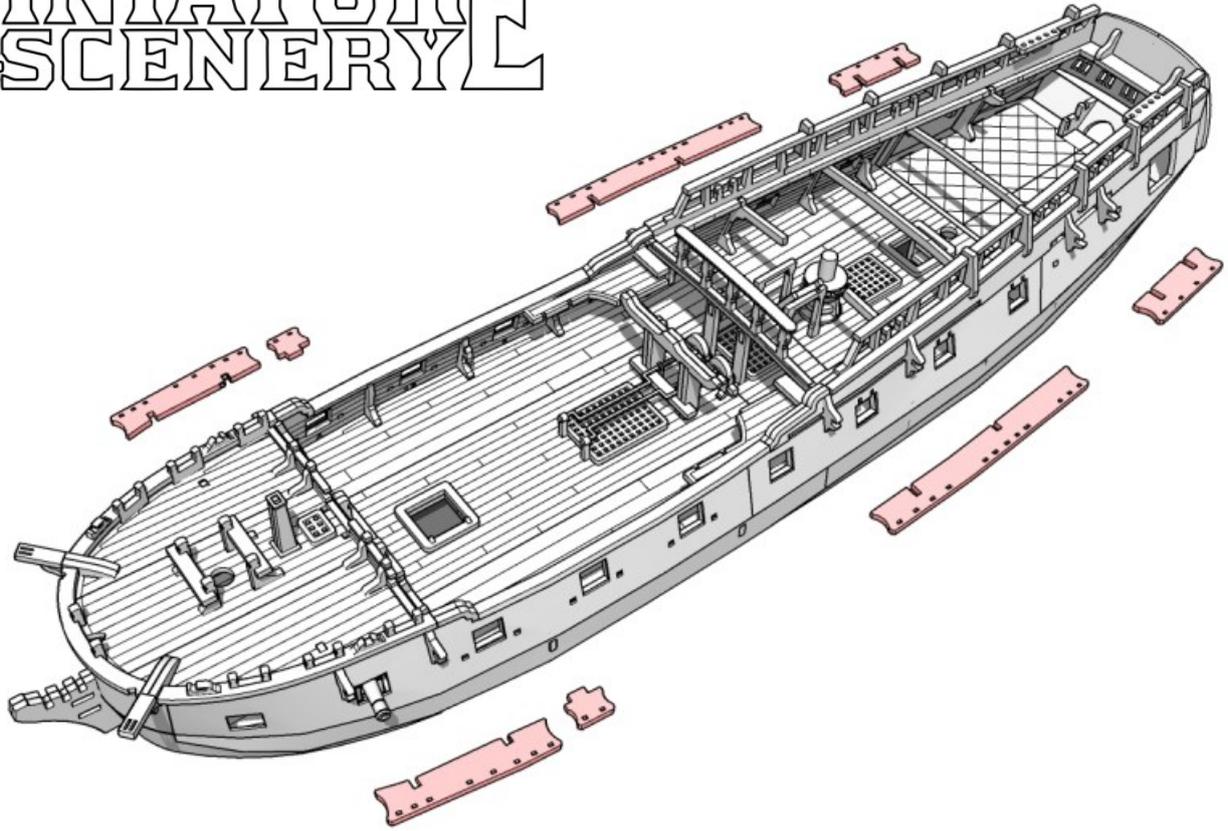
5 4 3 2 1



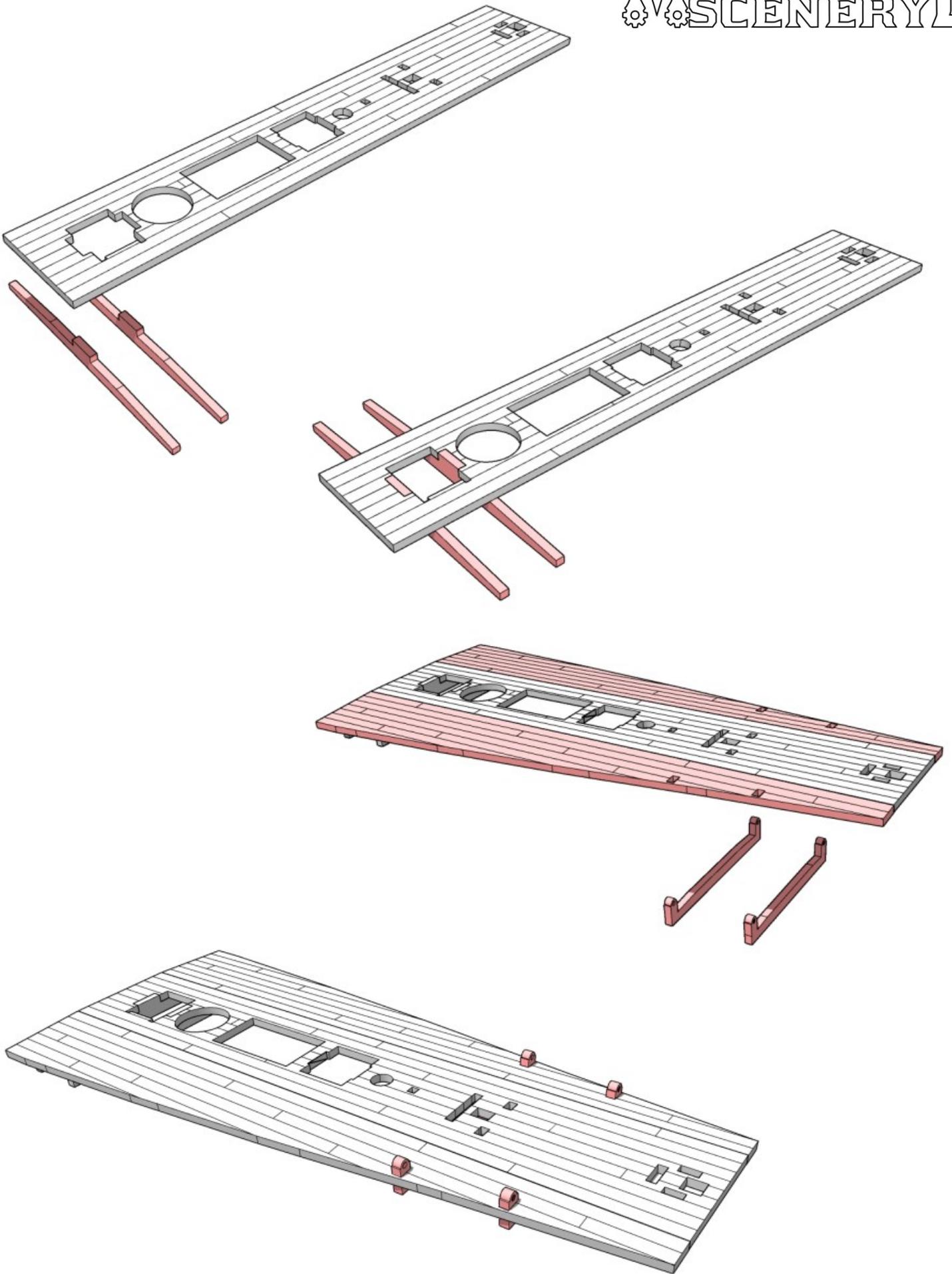
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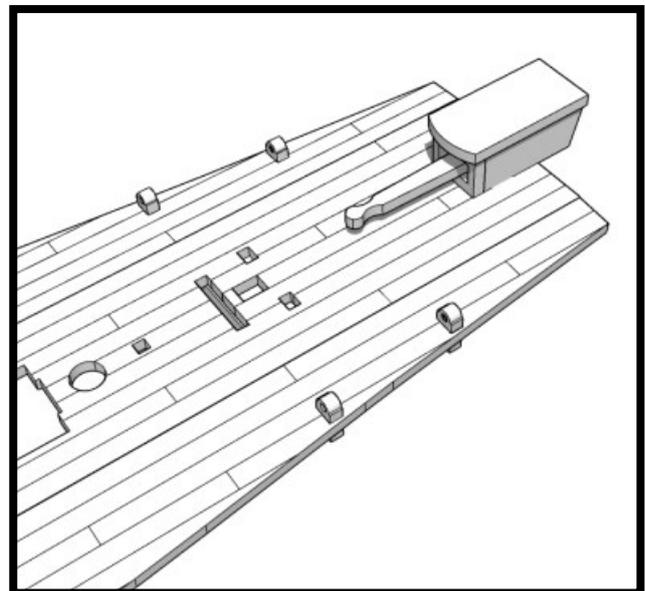
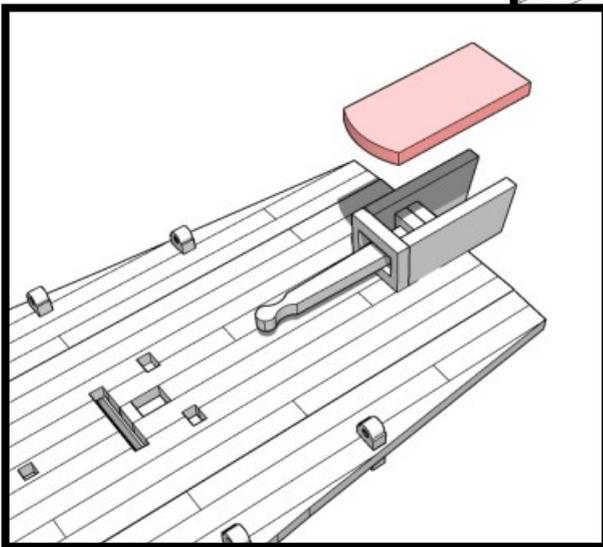
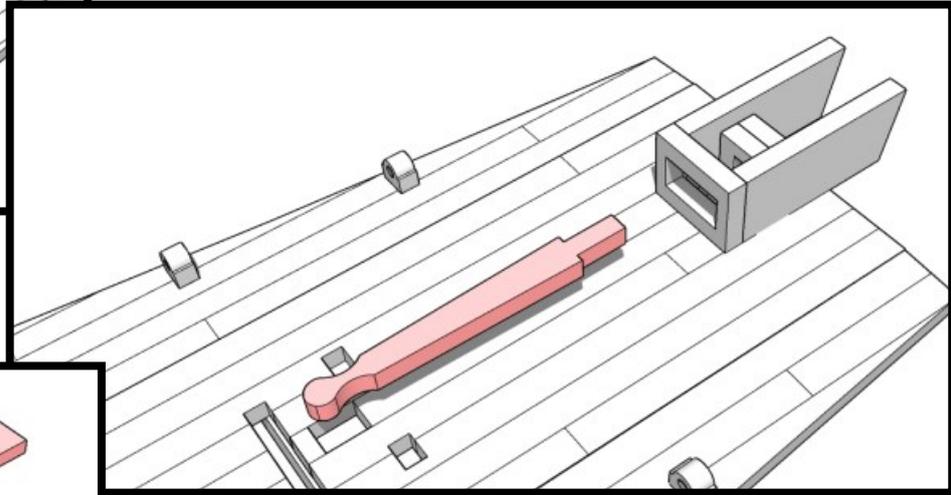
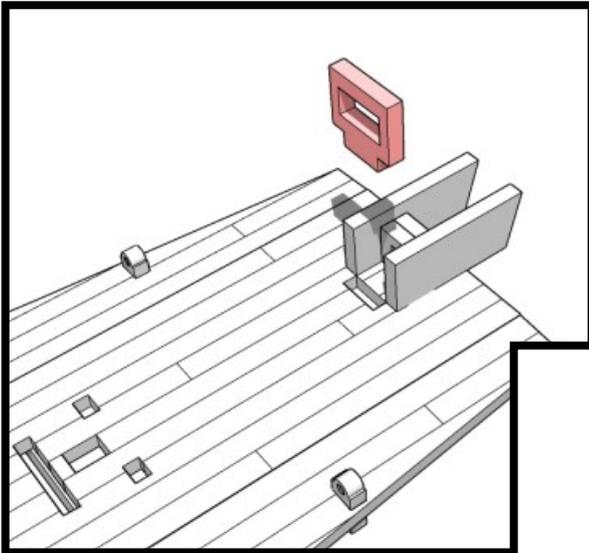
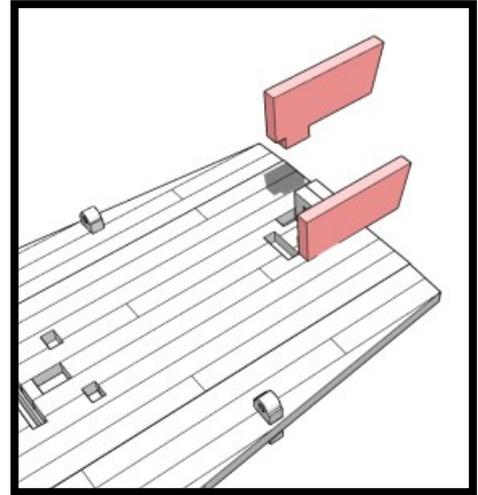
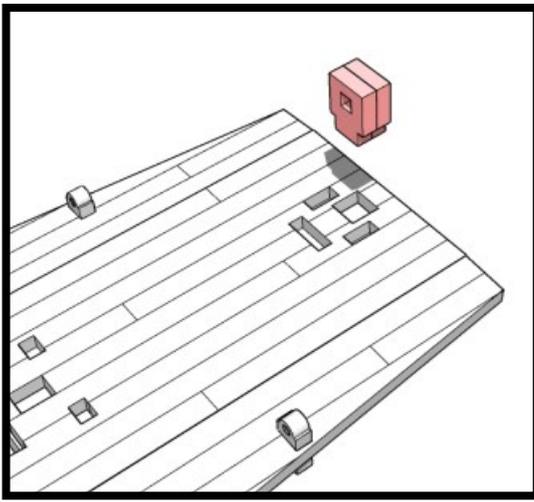
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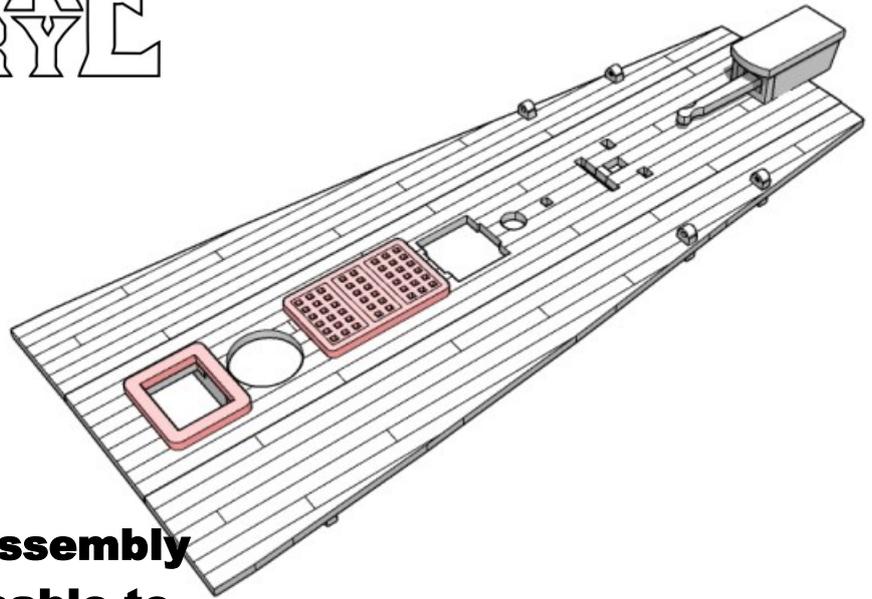
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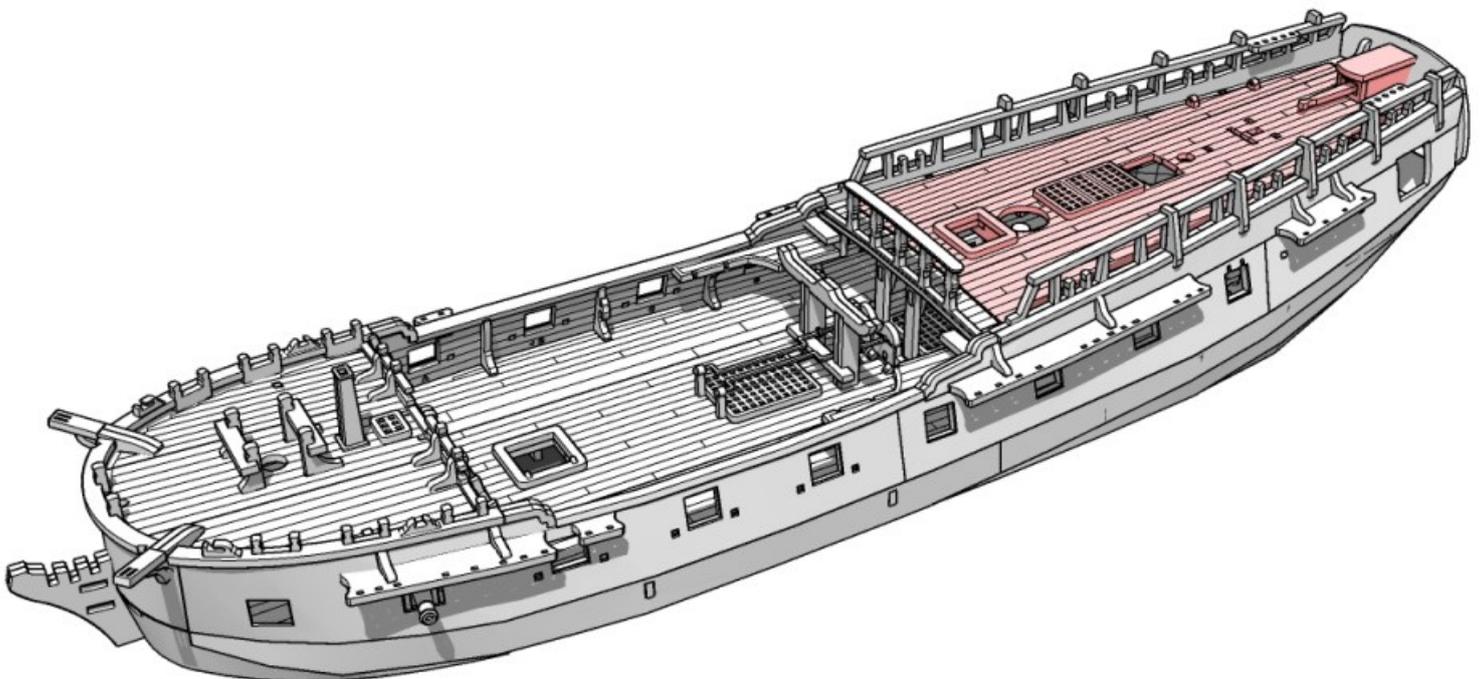
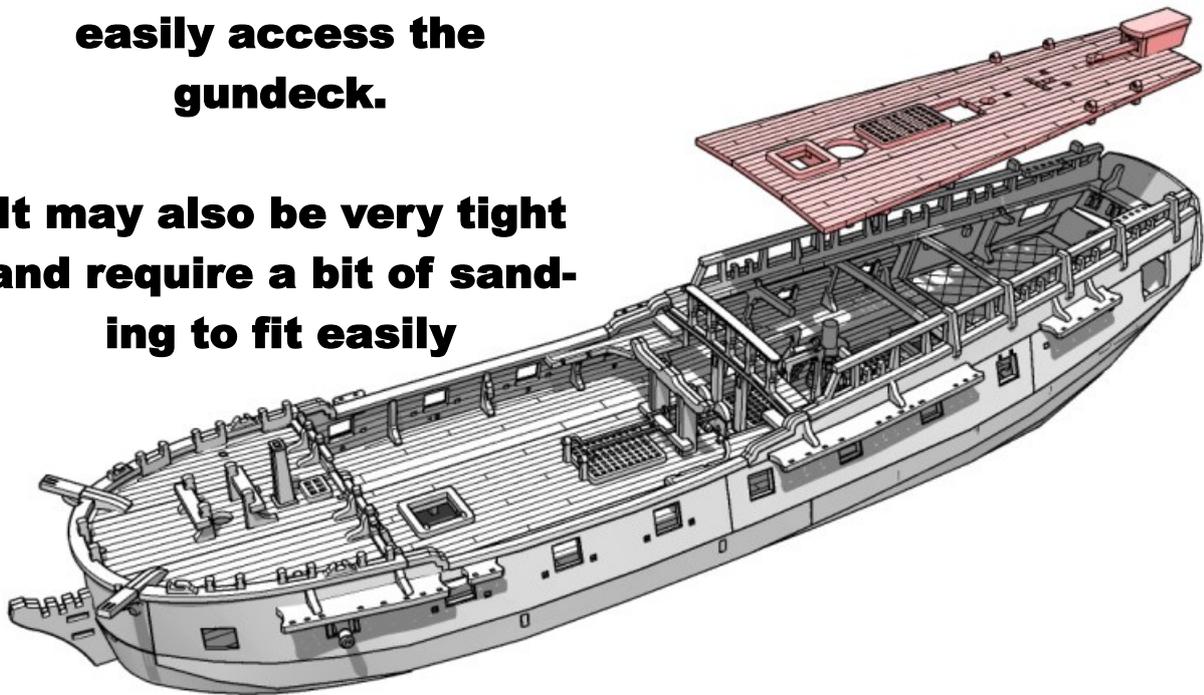


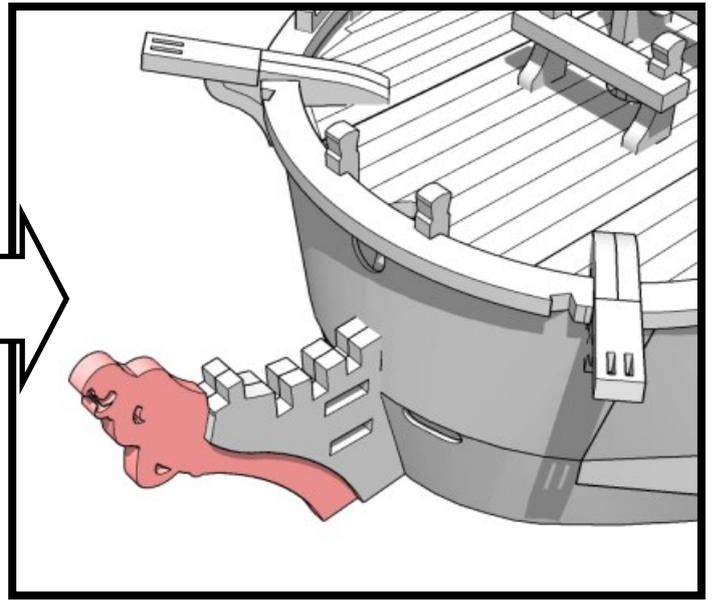
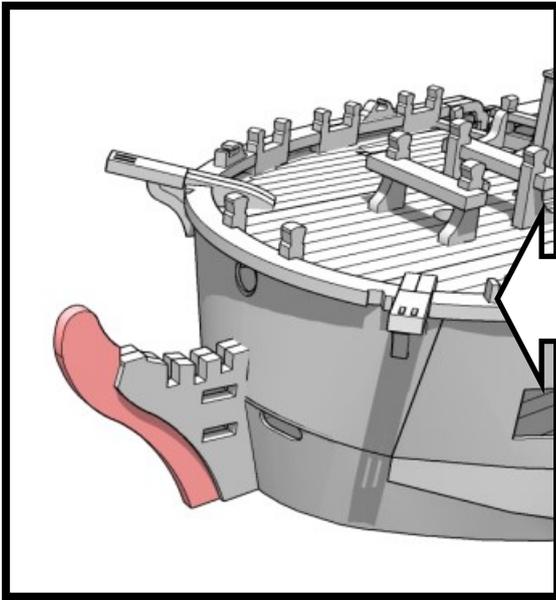
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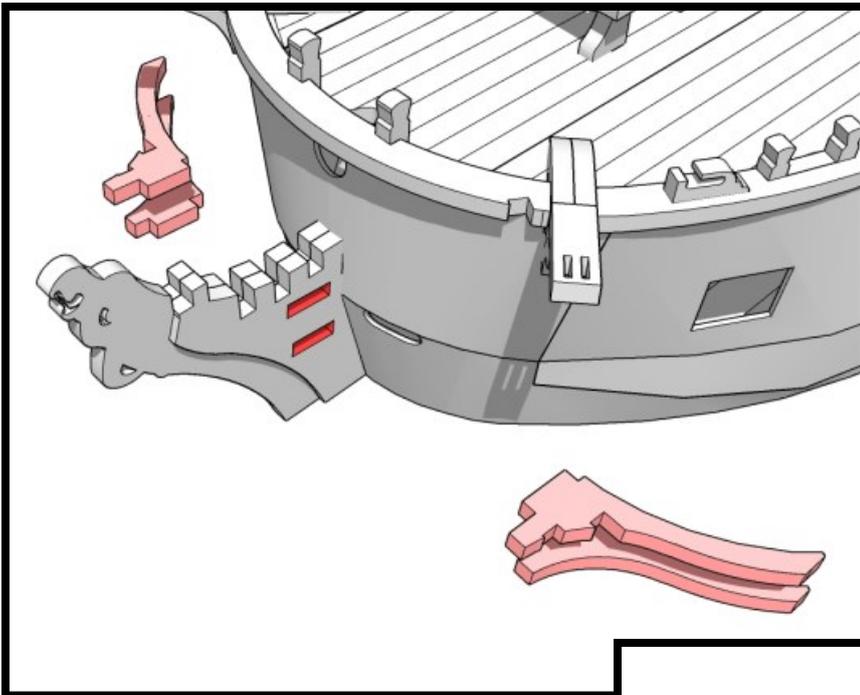
**The quarterdeck assembly  
can be left detachable to  
easily access the  
gundeck.**

**It may also be very tight  
and require a bit of sand-  
ing to fit easily**

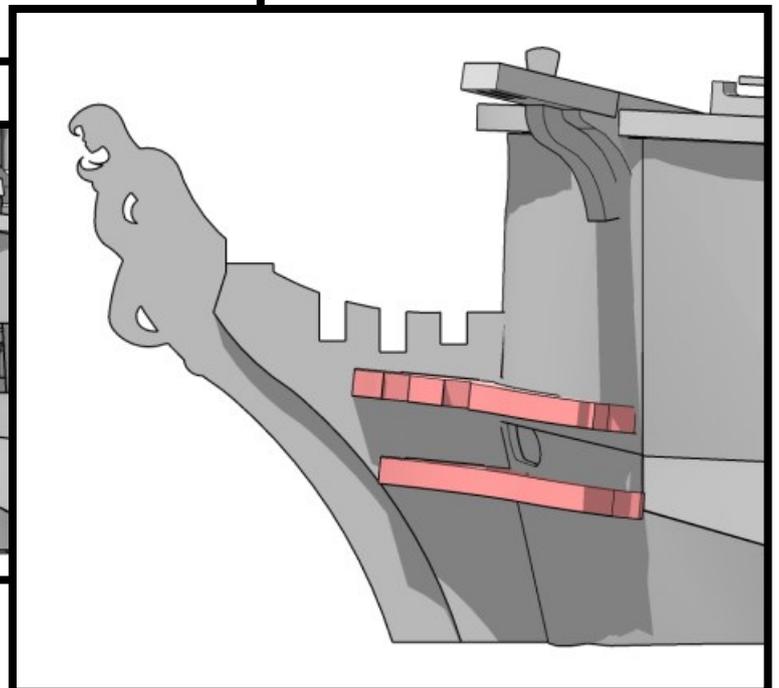
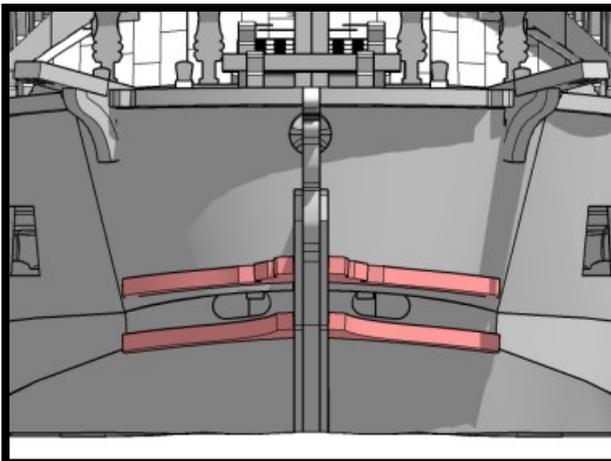


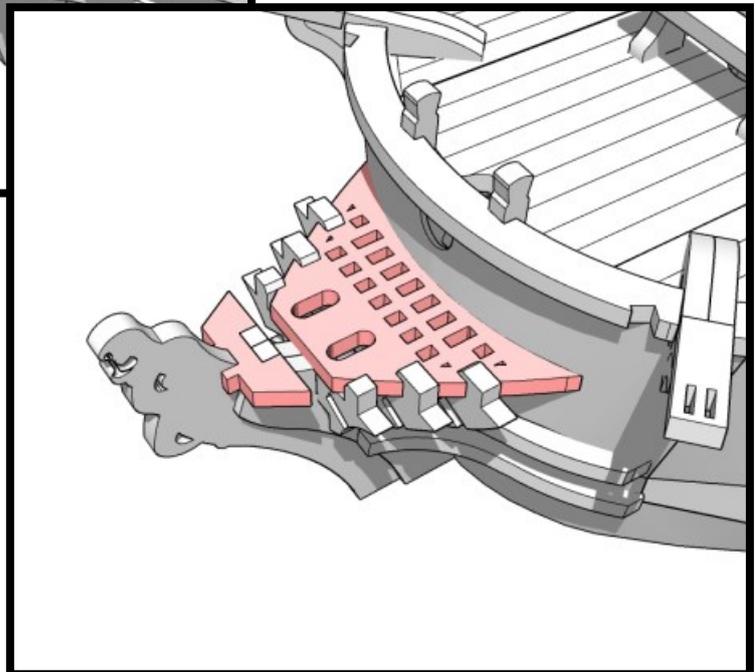
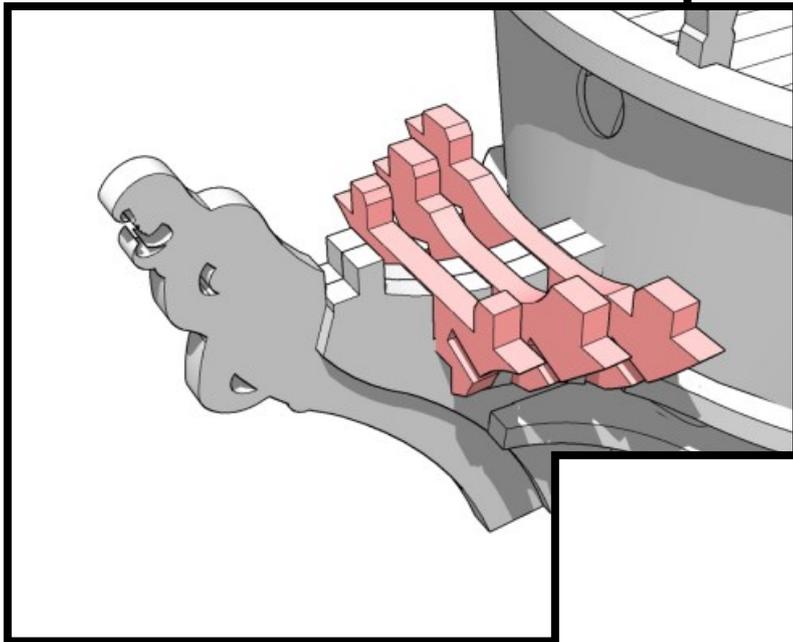
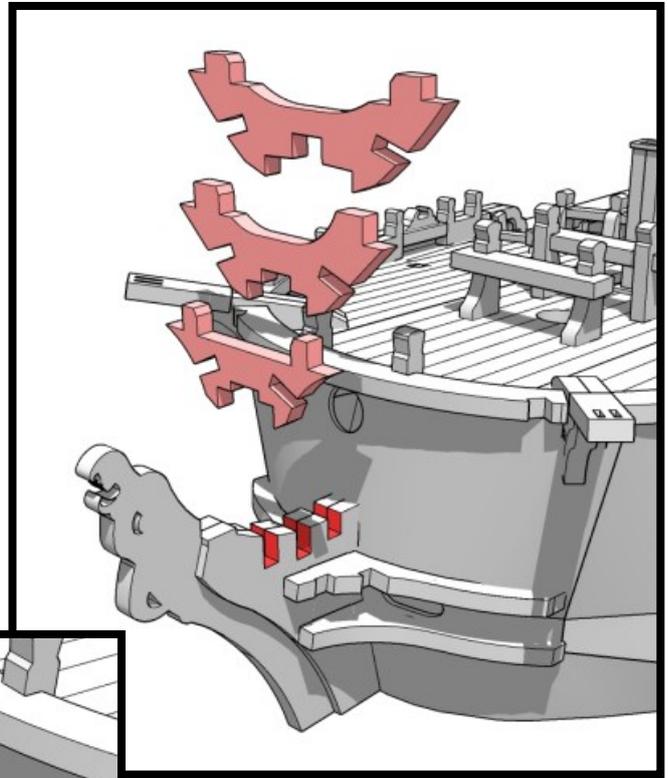
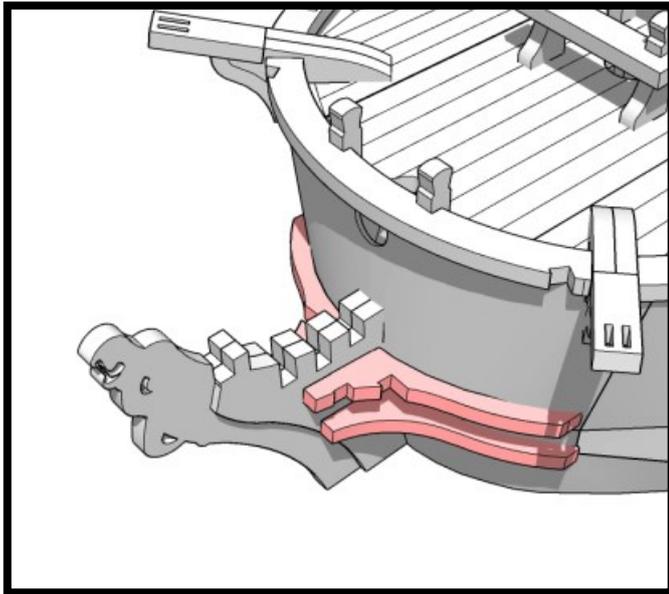


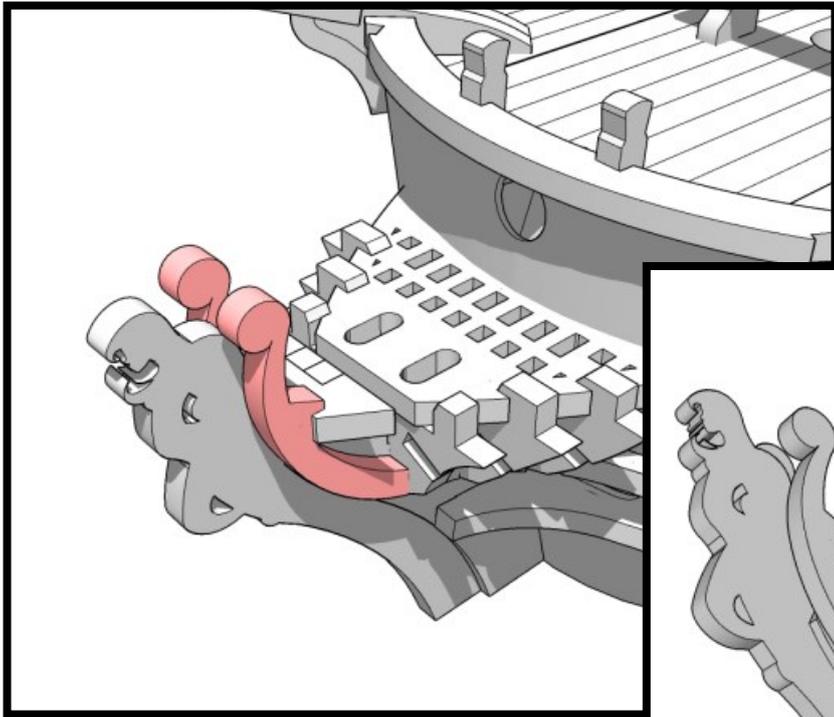
**A choice of stem posts are provided.**



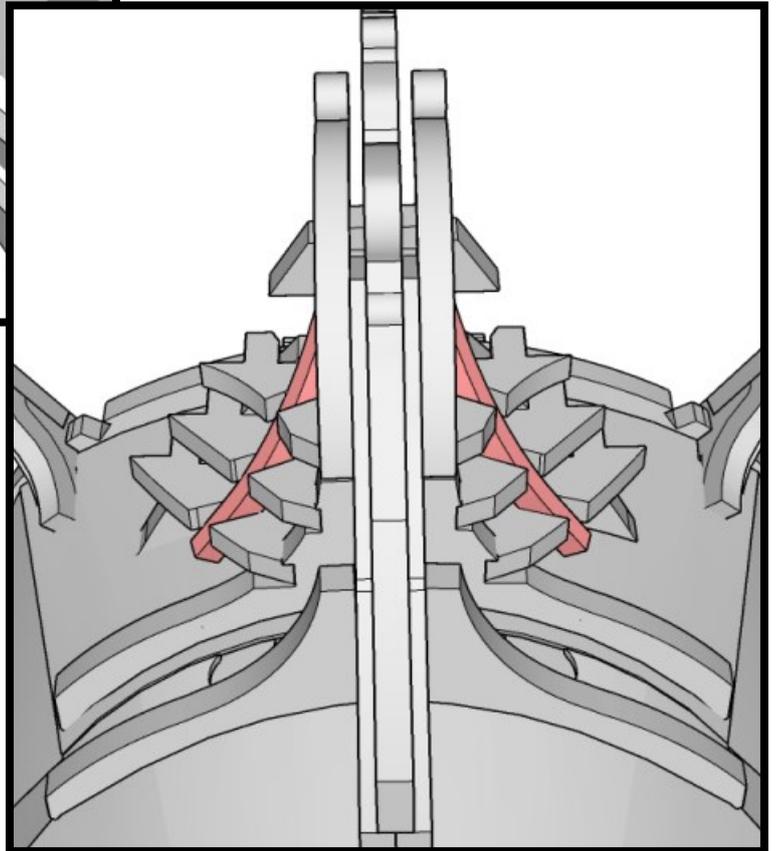
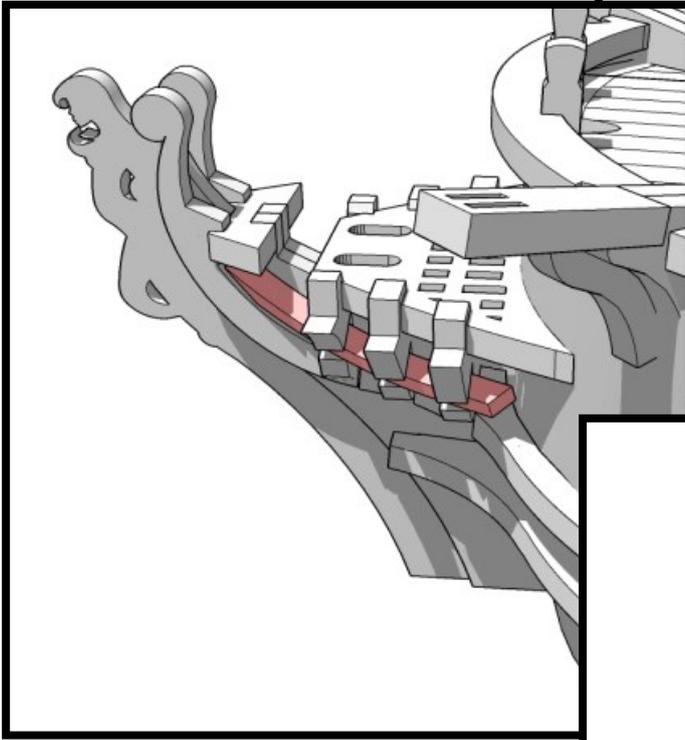
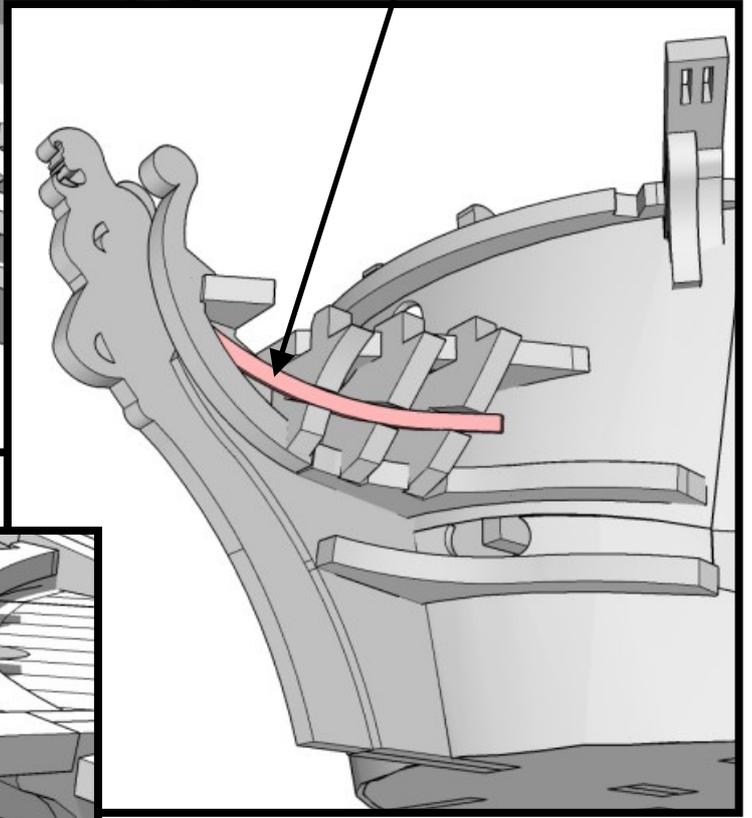
**Note the downward angle.**

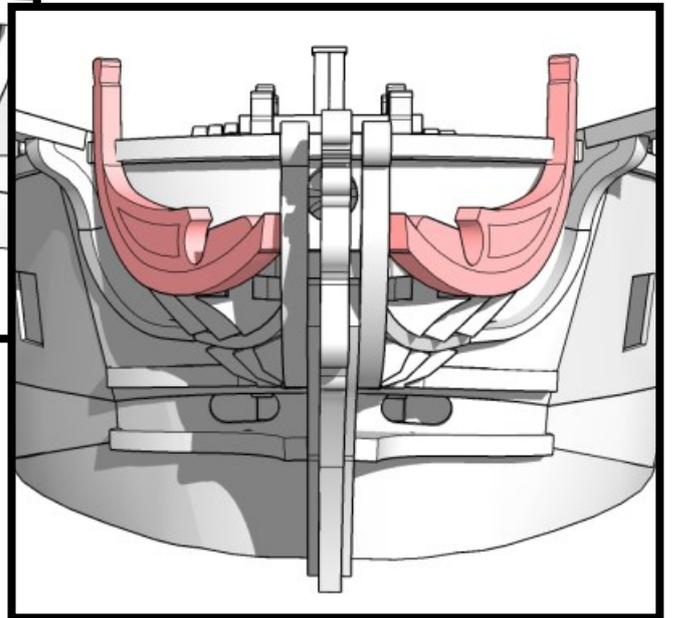
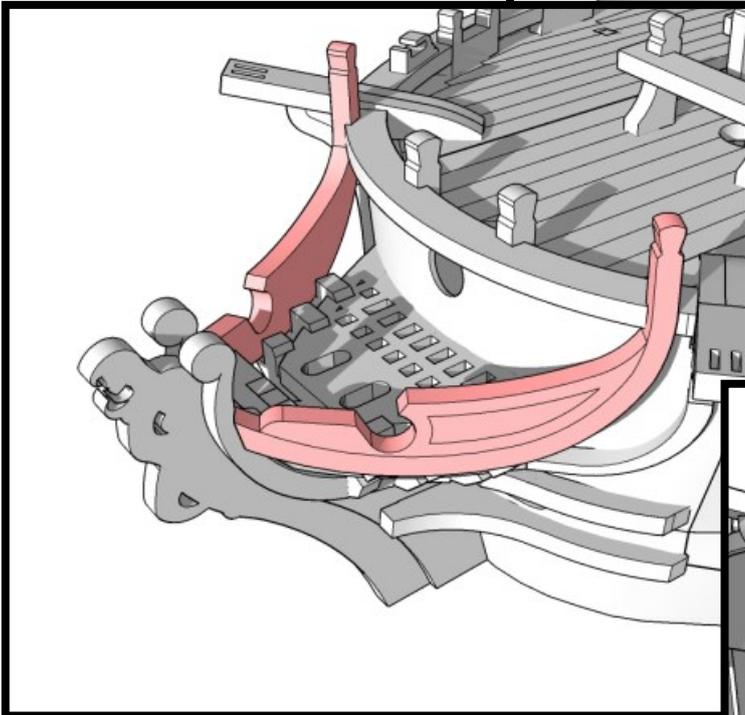
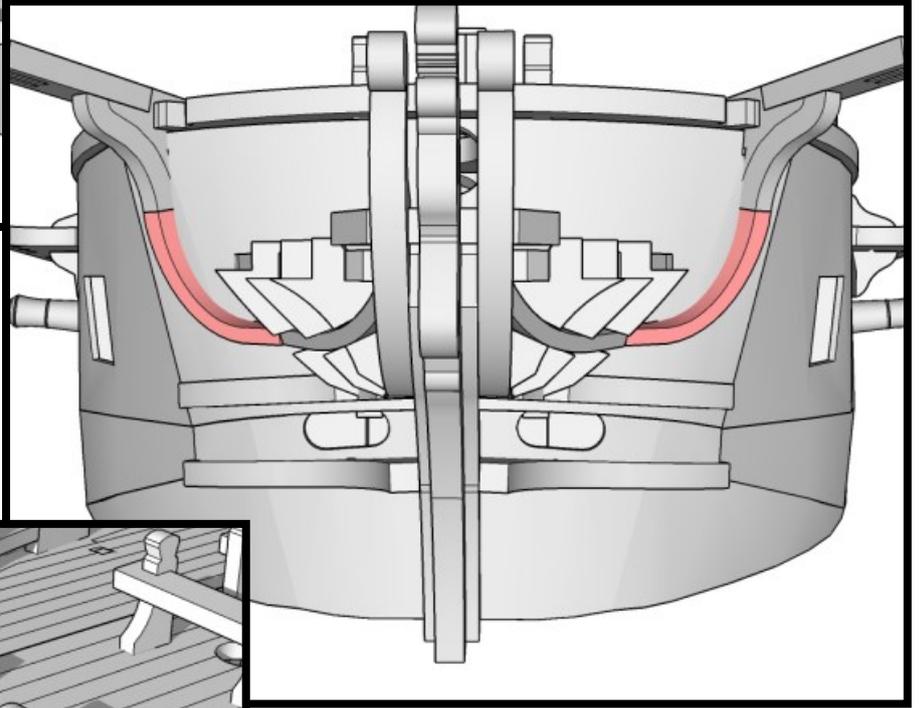
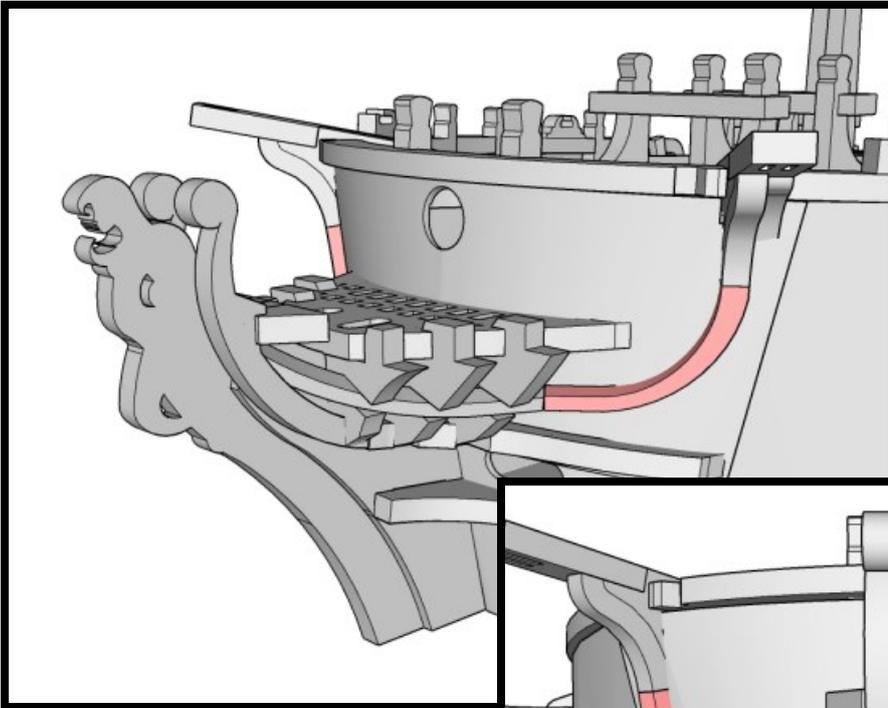


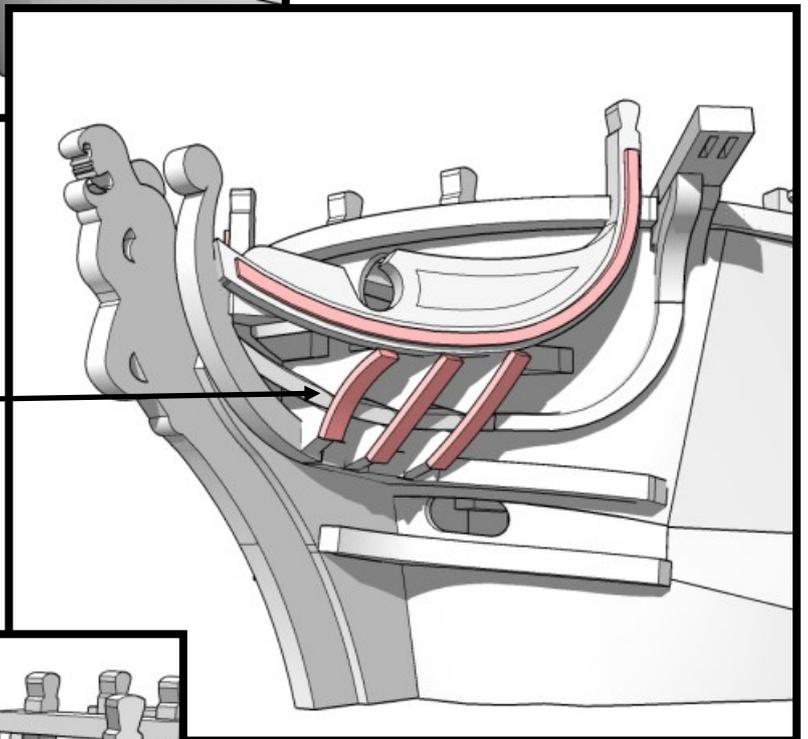
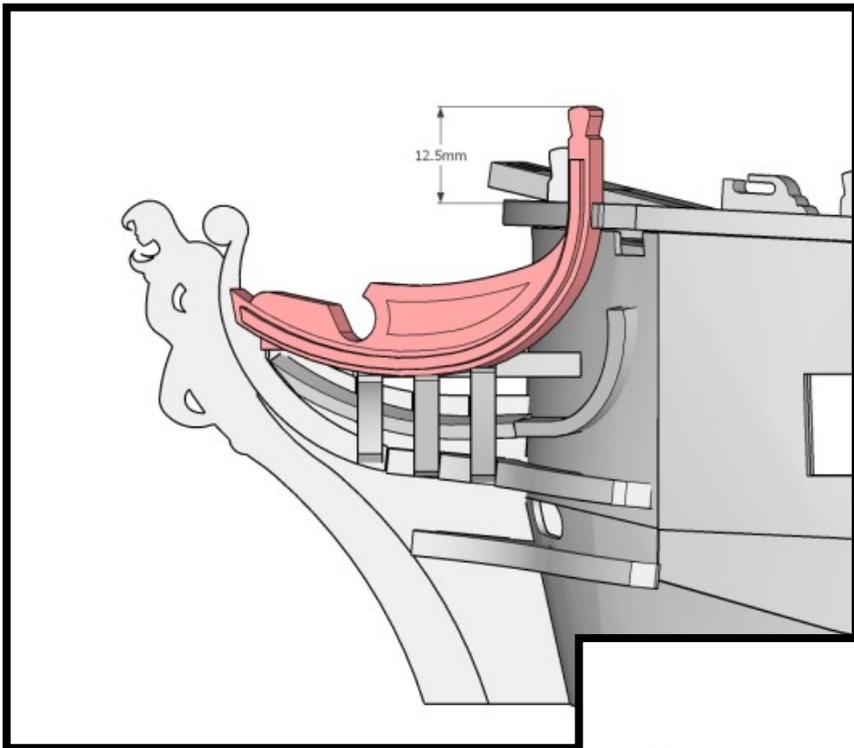




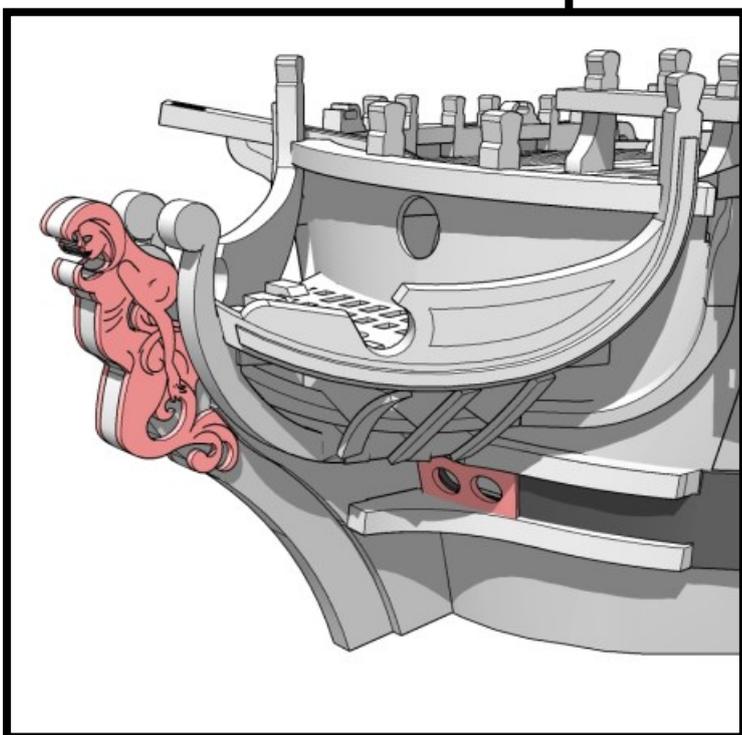
**MDF part**

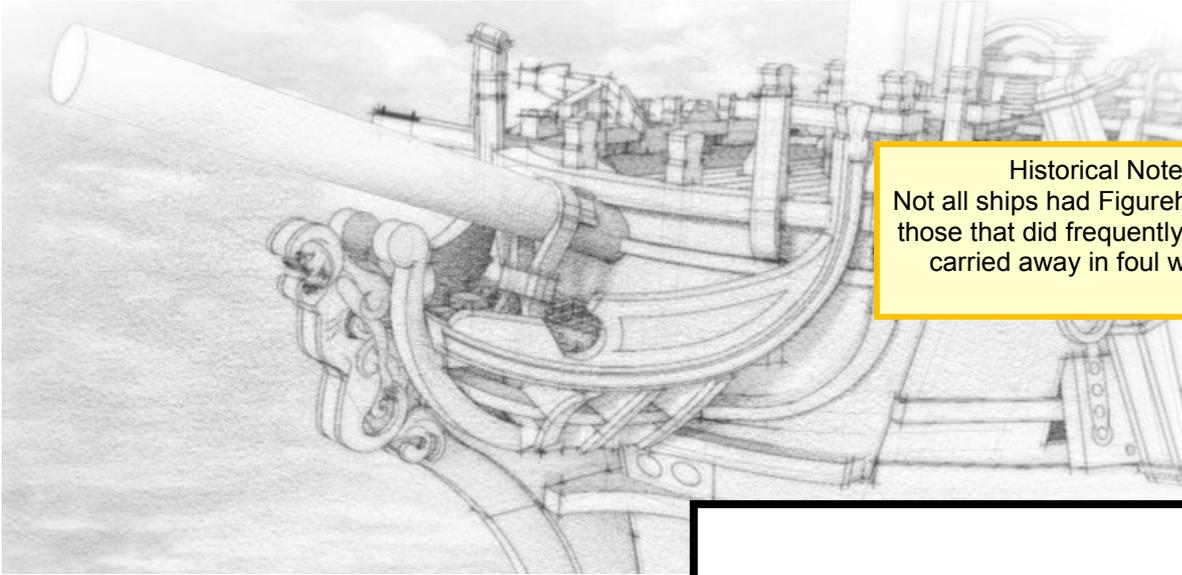




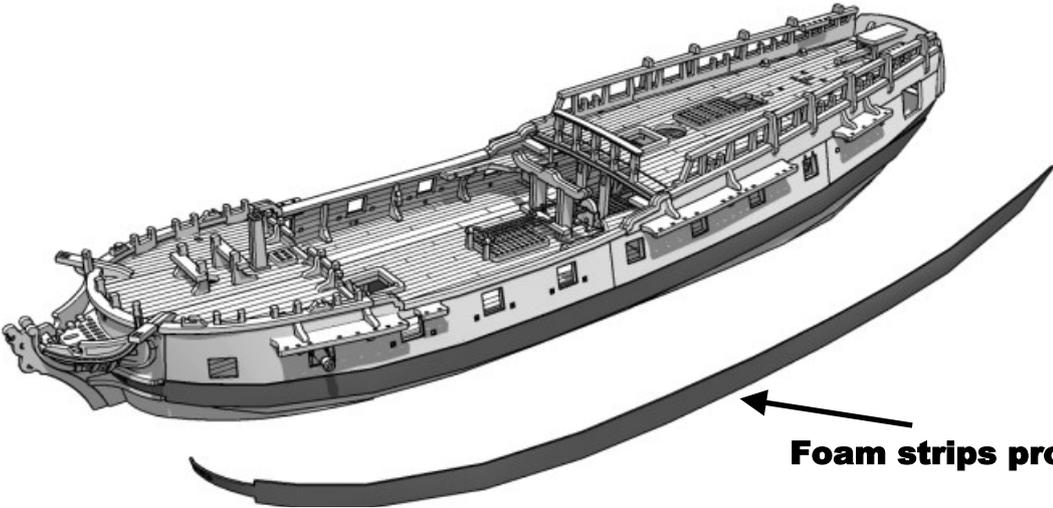
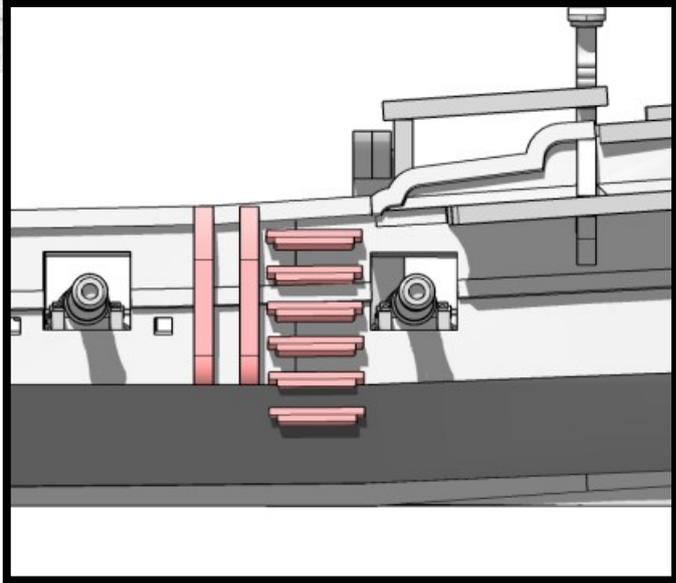


**3mm strip card,  
cut to length**

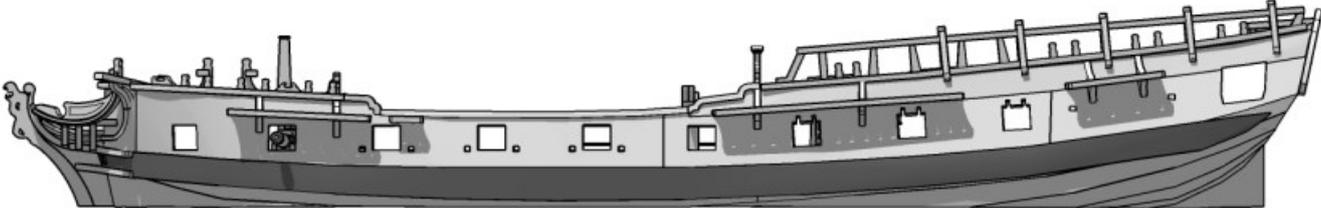


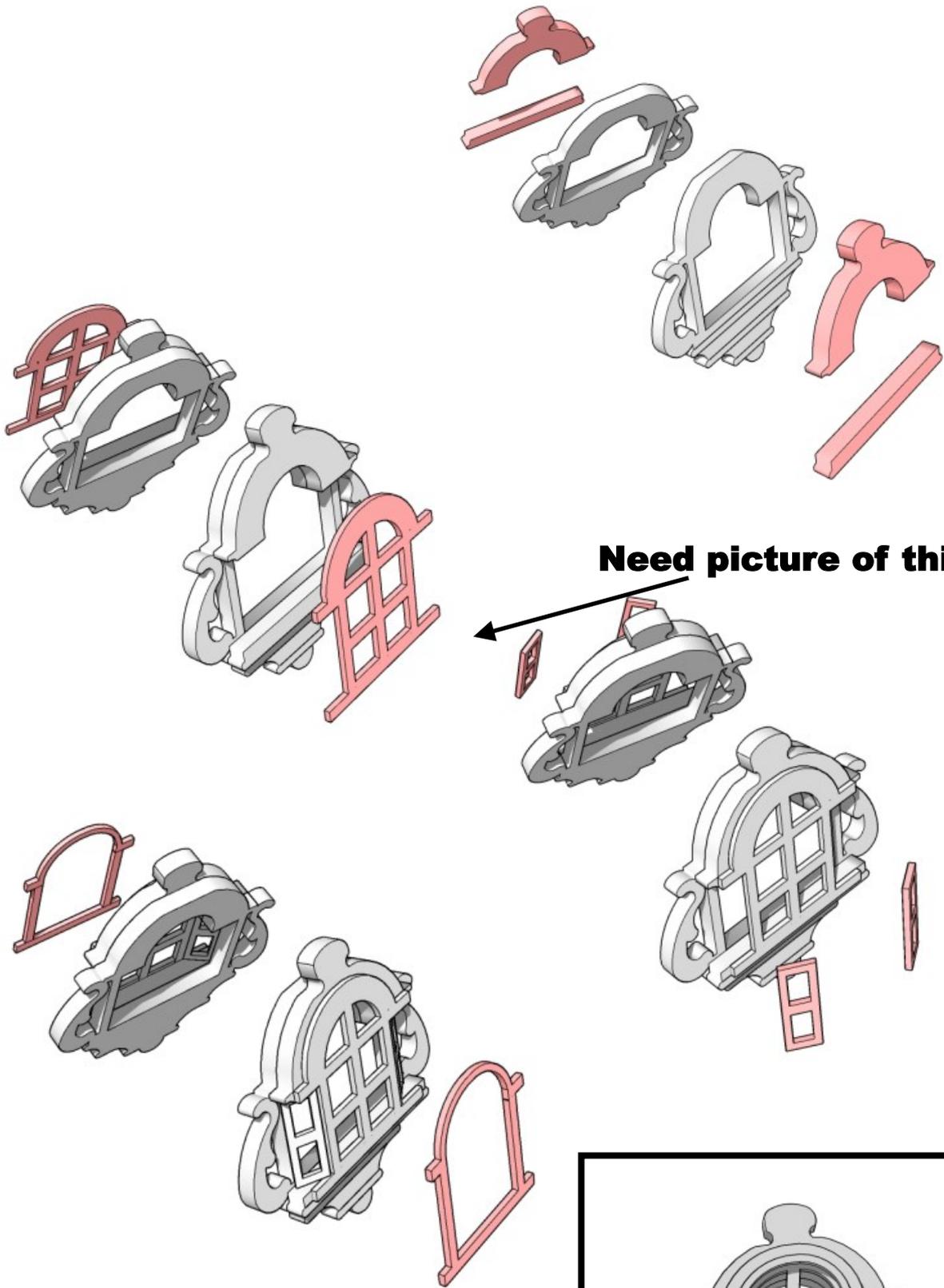


Historical Note:  
Not all ships had Figureheads, and those that did frequently had them carried away in foul weather.

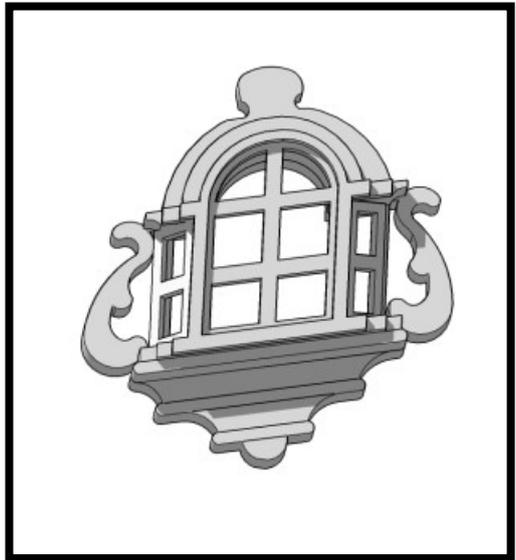


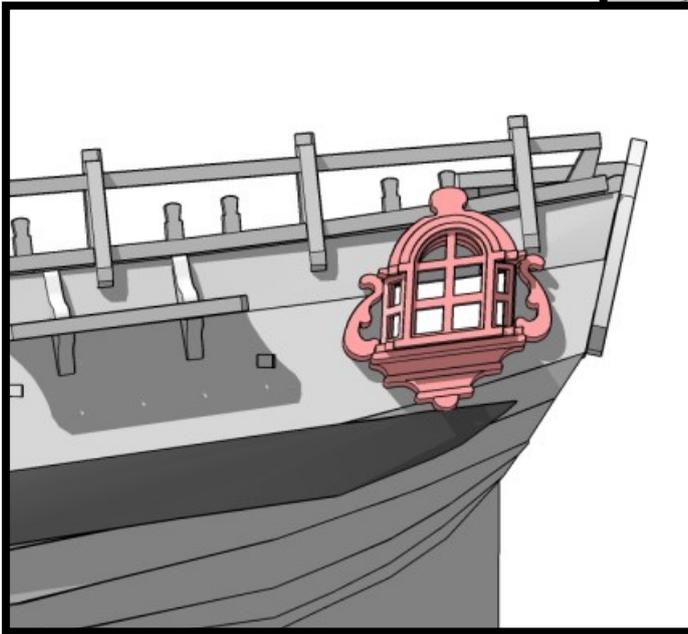
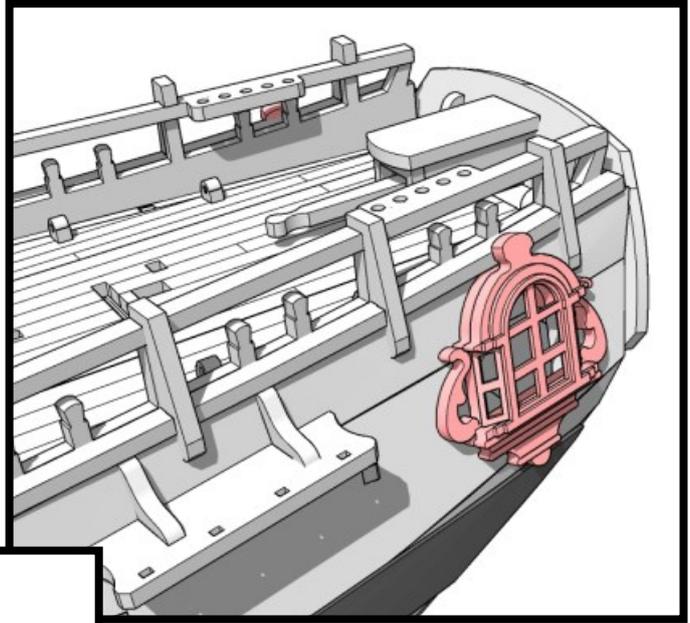
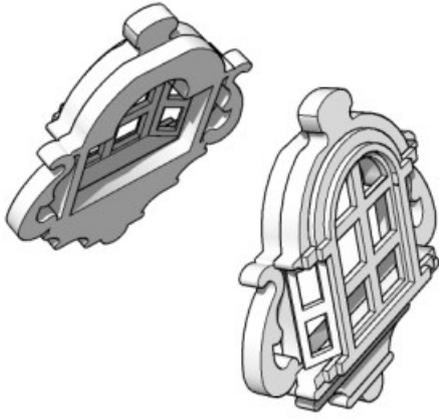
**Foam strips provided**



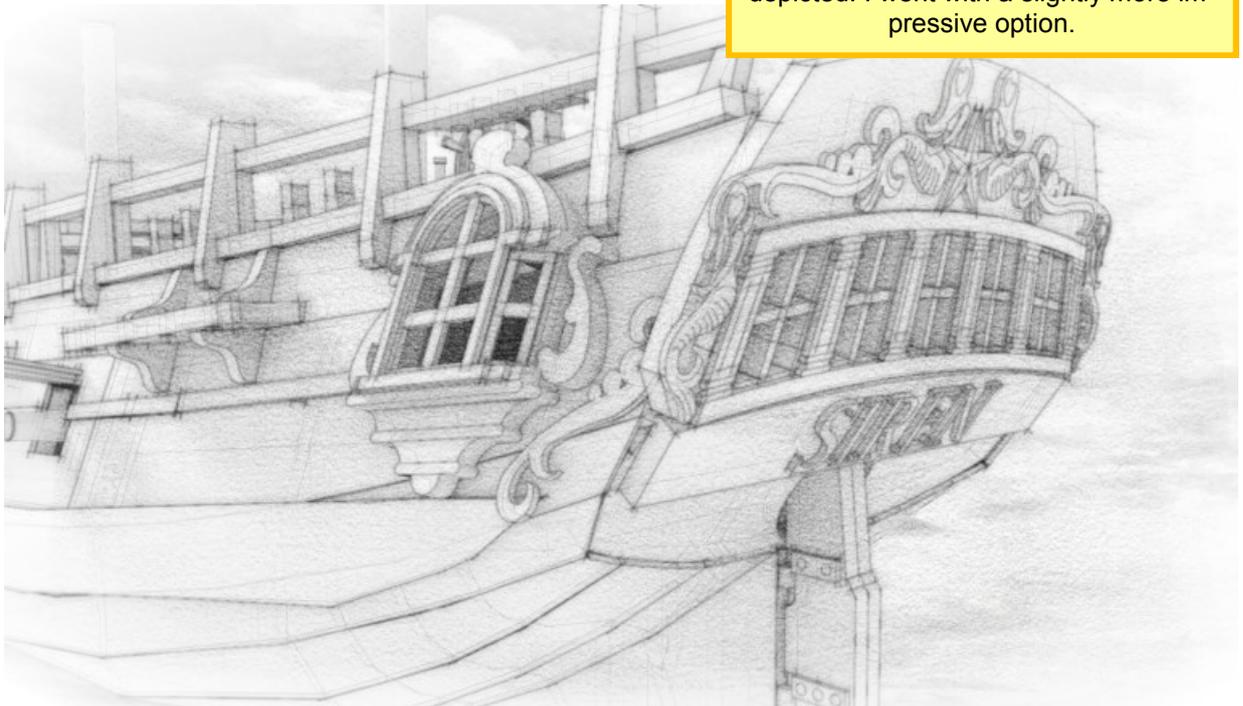


**Need picture of this**



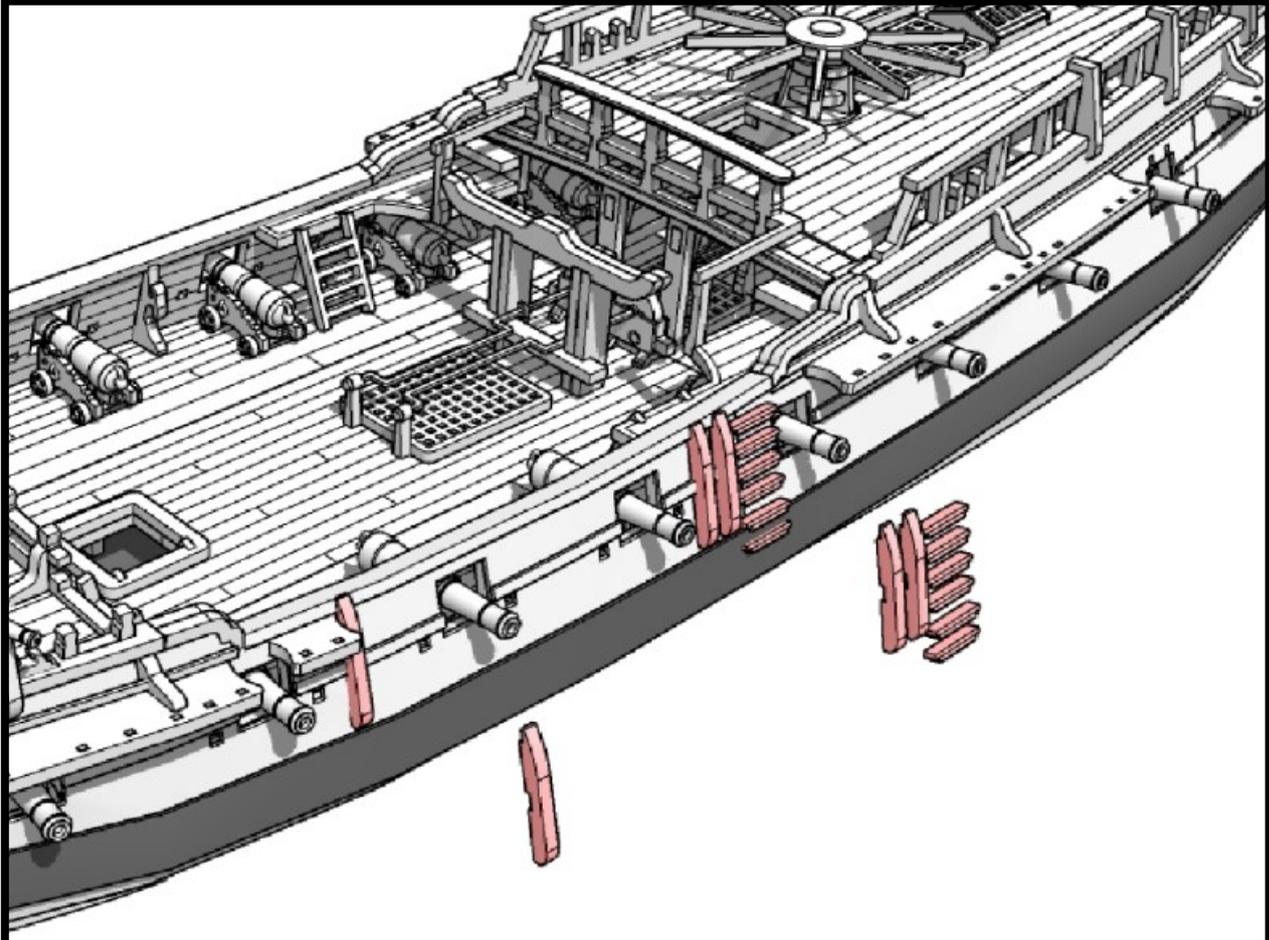
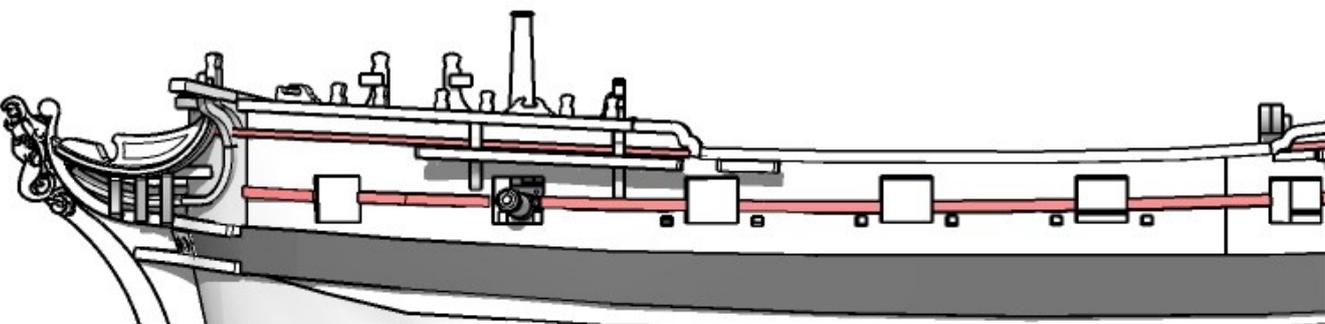
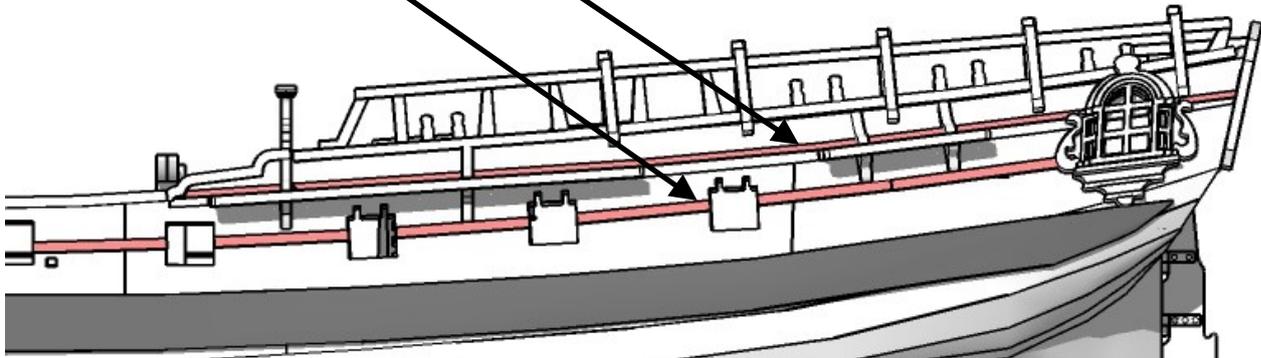


Historical Note:  
The Quarter Badges (the small windows on the sides of the stern) were actually considerably smaller and flatter than depicted. I went with a slightly more impressive option.



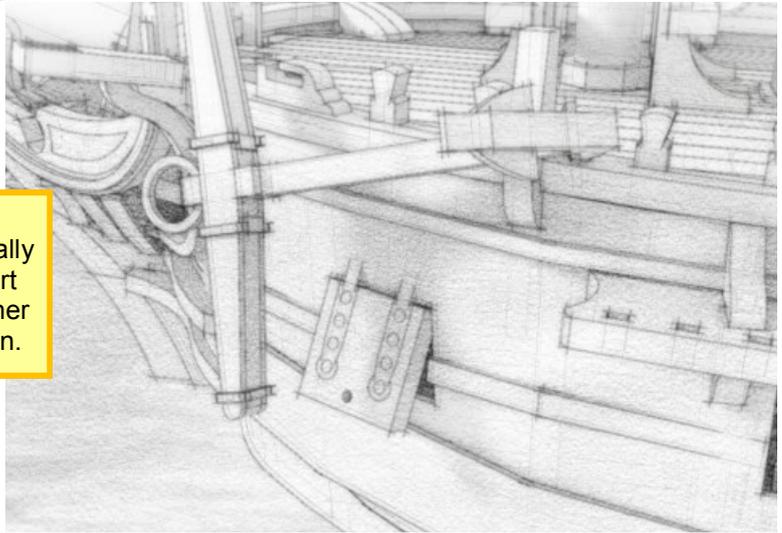
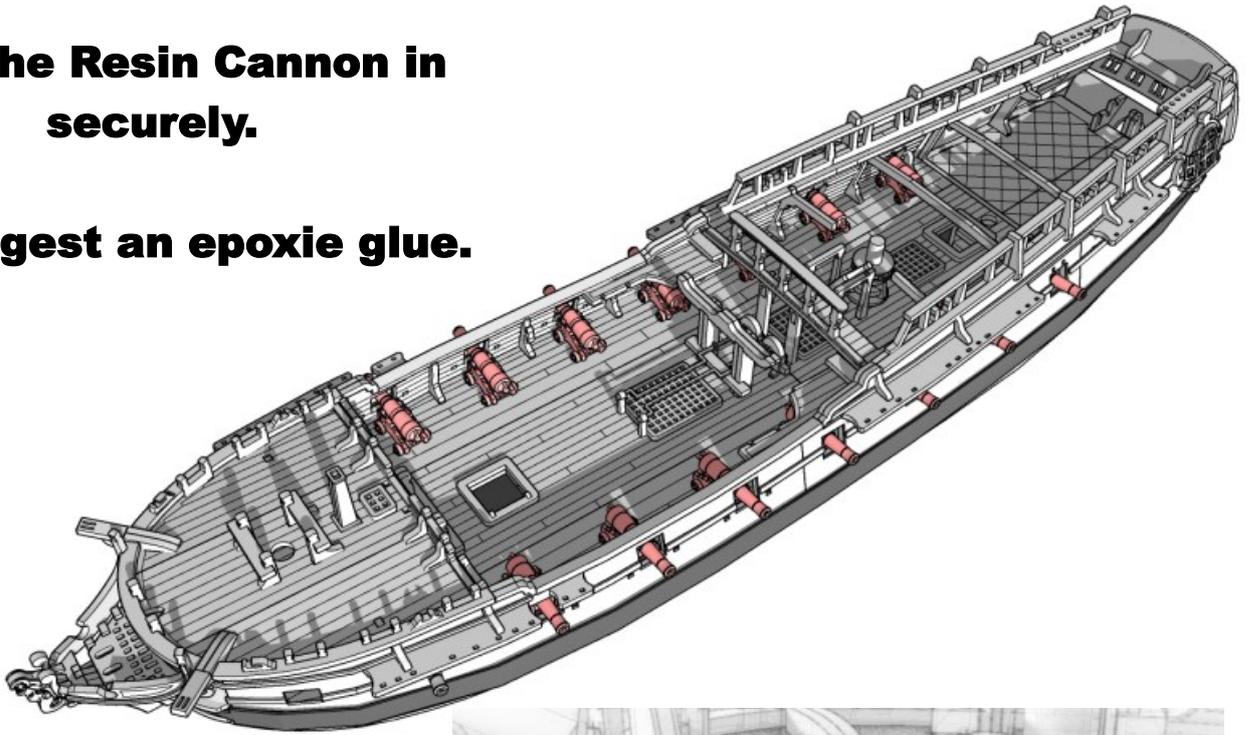
**2mm strip card**

**3mm strip card**

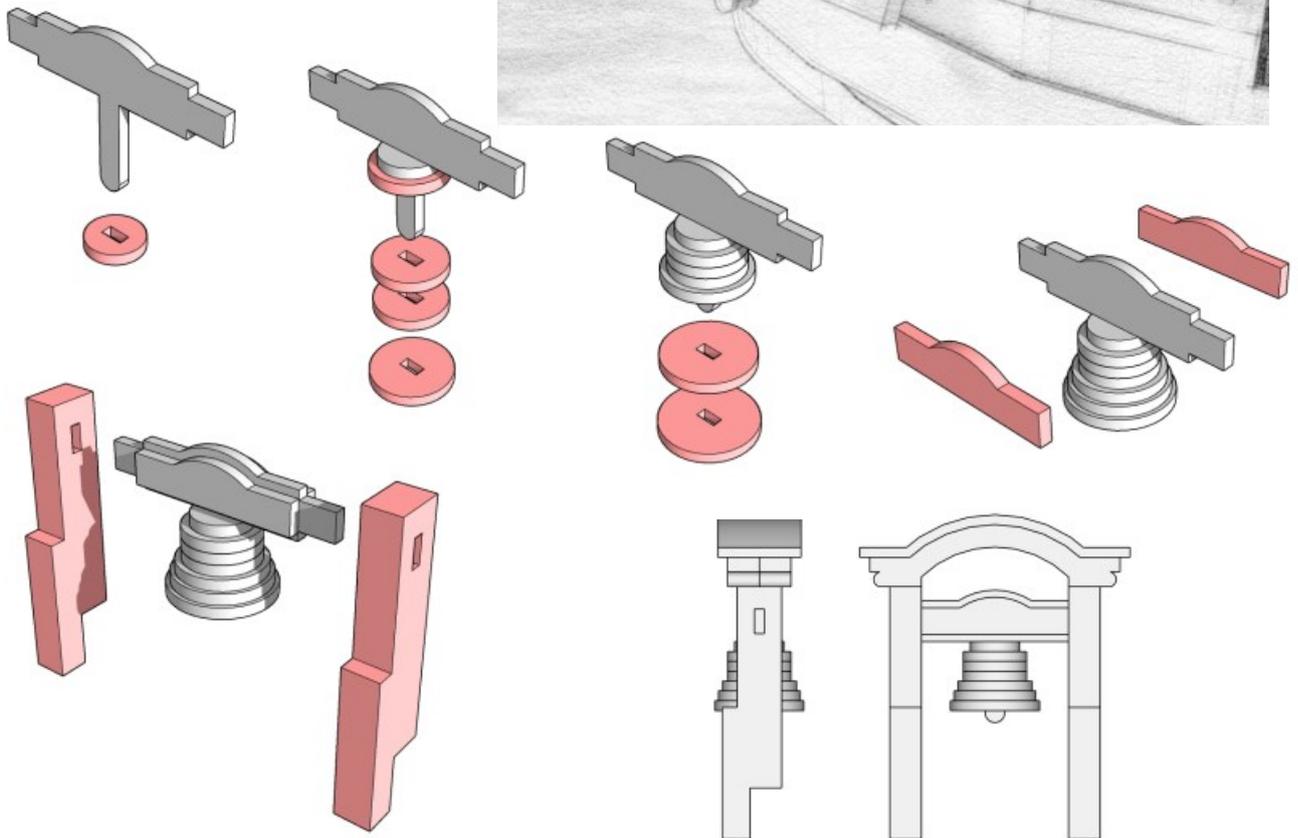


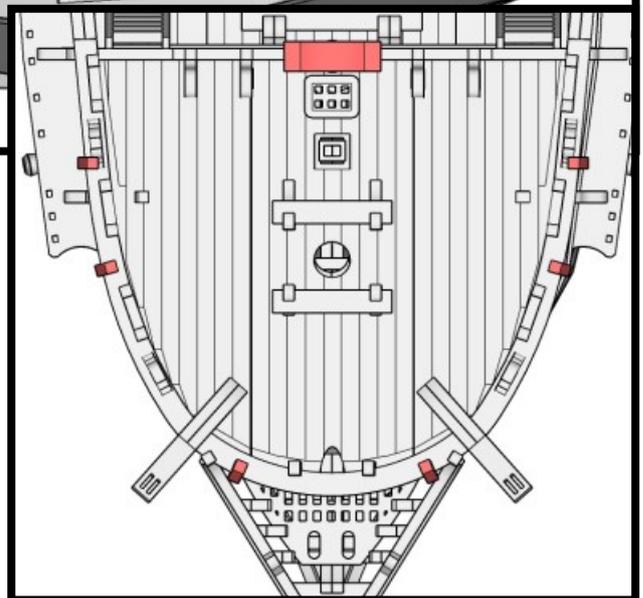
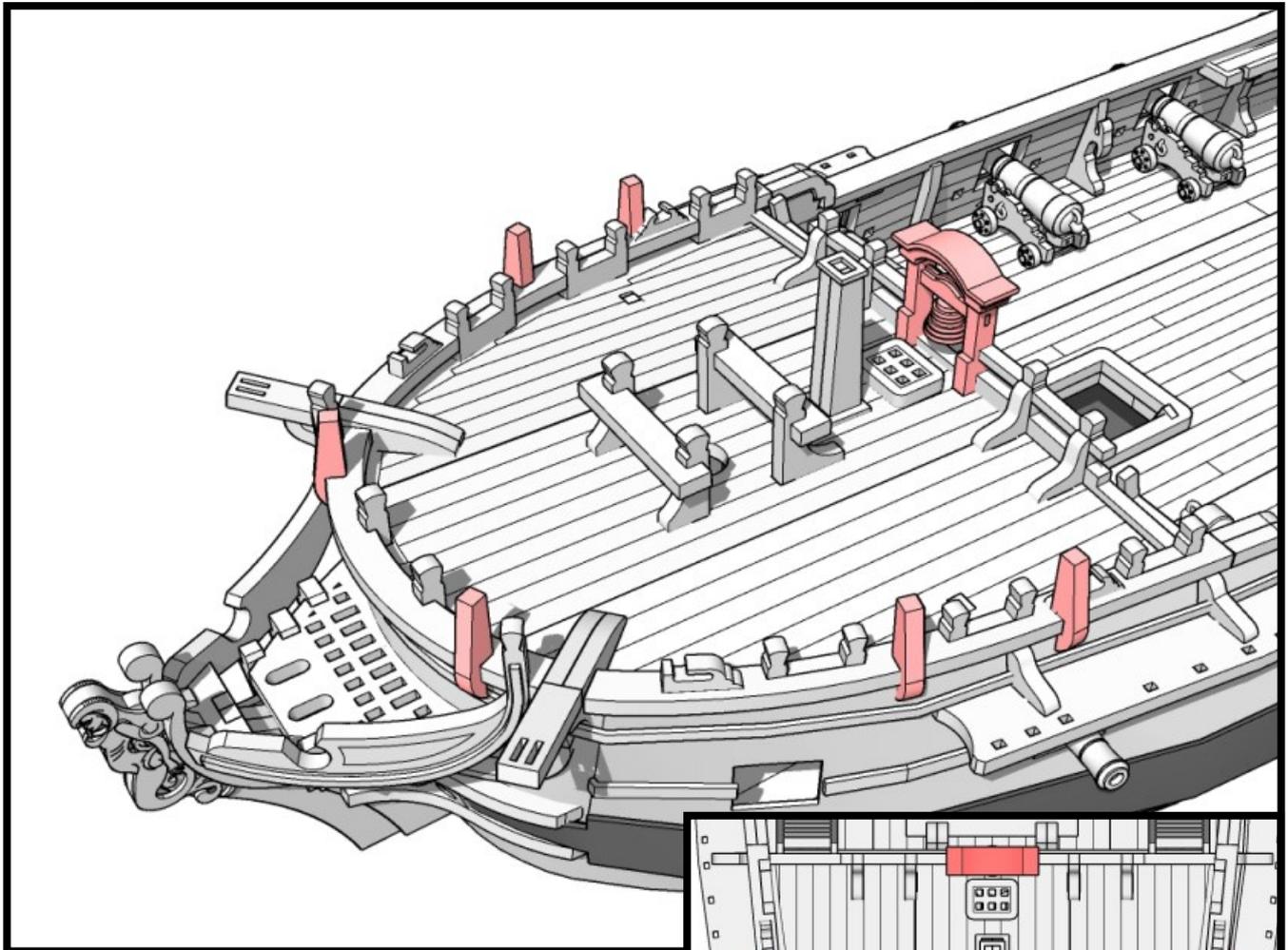
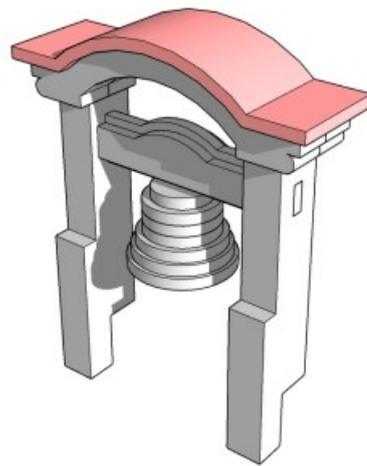
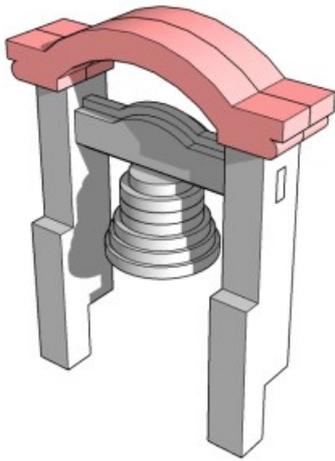
**Glue the Resin Cannon in securely.**

**We suggest an epoxie glue.**

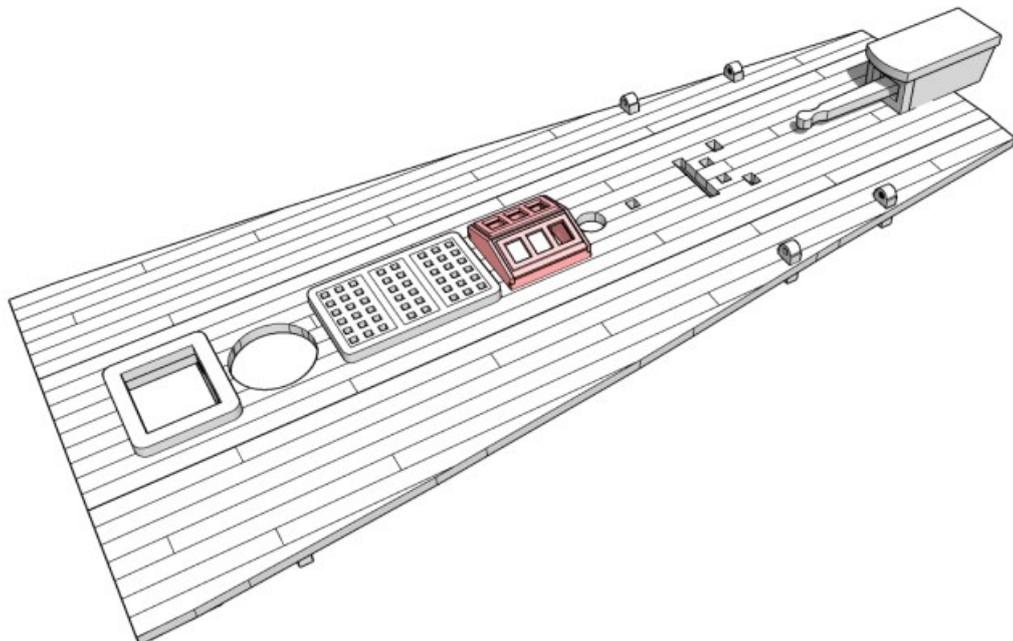
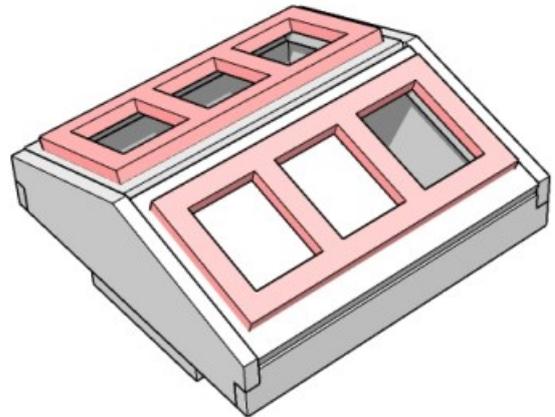
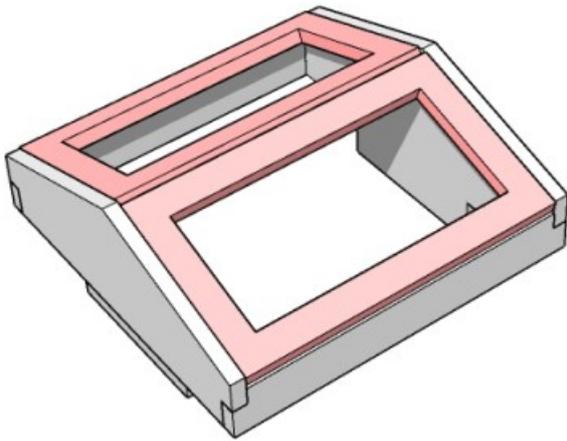
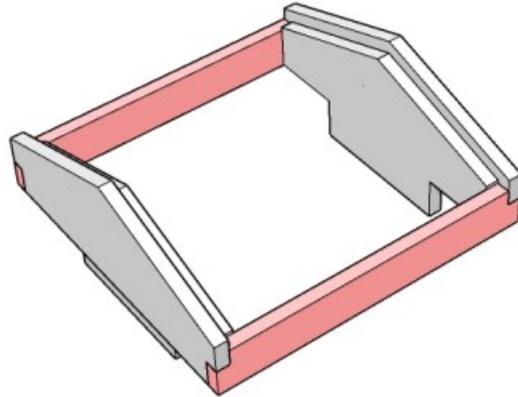
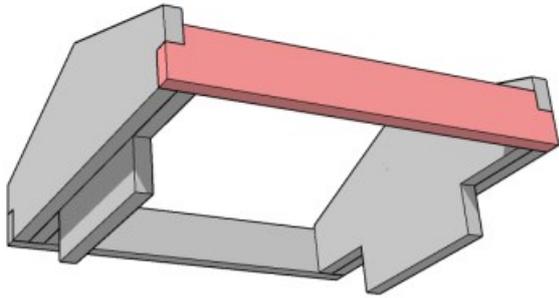
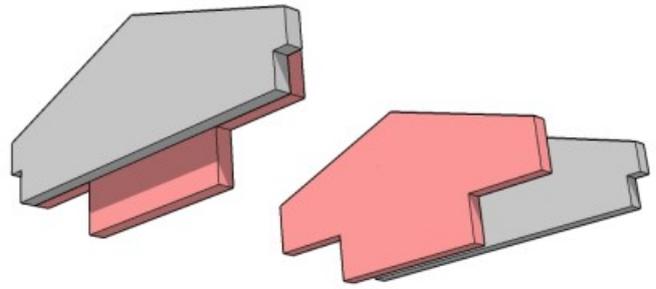


Historical Note:  
The Forward most gunports were not usually fitted with cannon and sometimes the port itself was completely false. In calm weather the port was usually left ajar for ventilation.



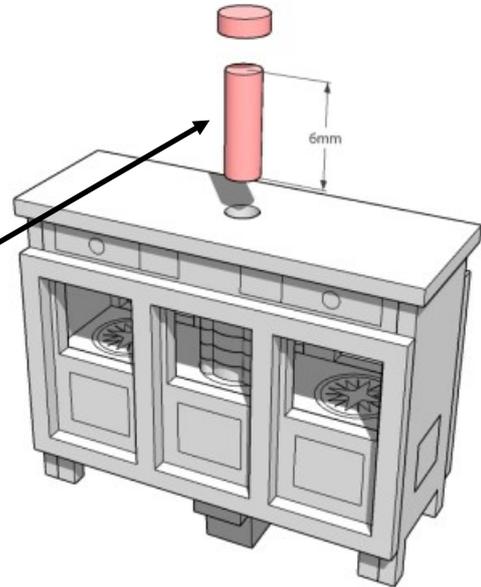
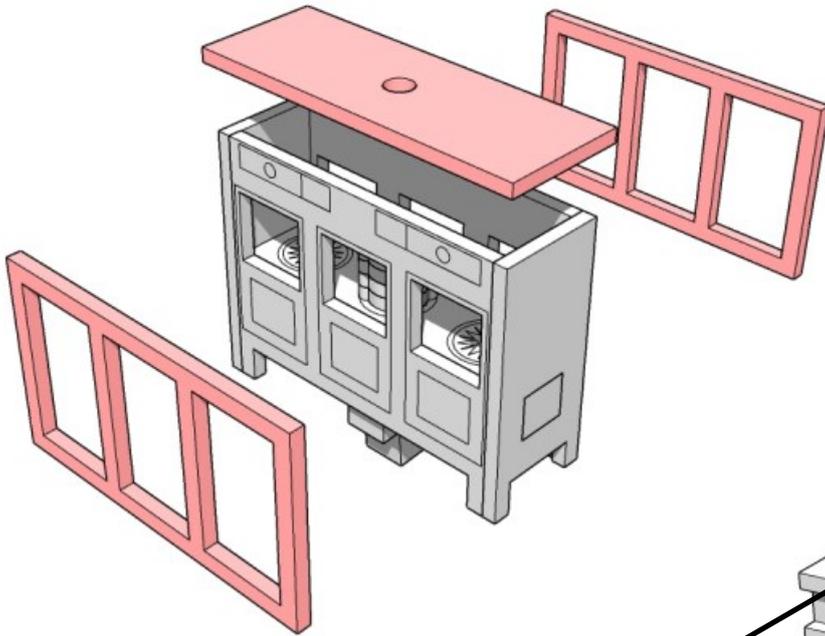
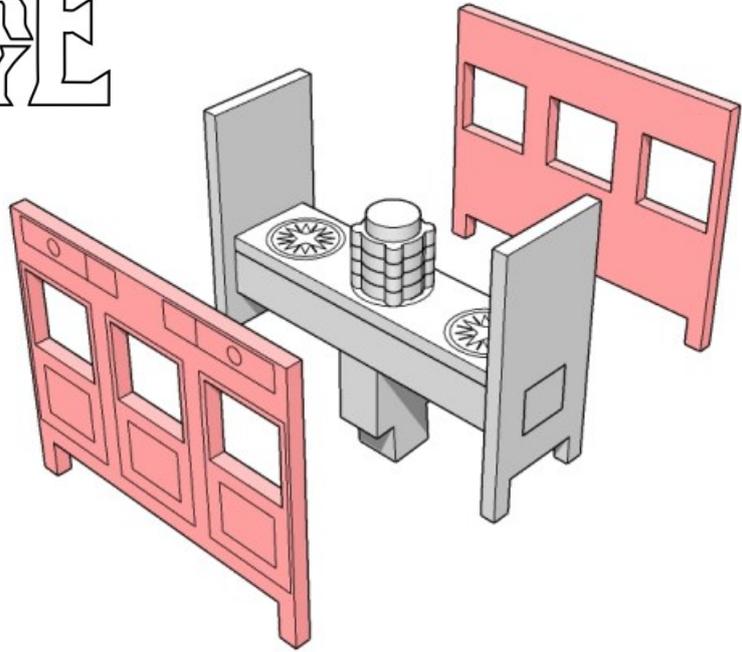


# MINIATURE SCENERY



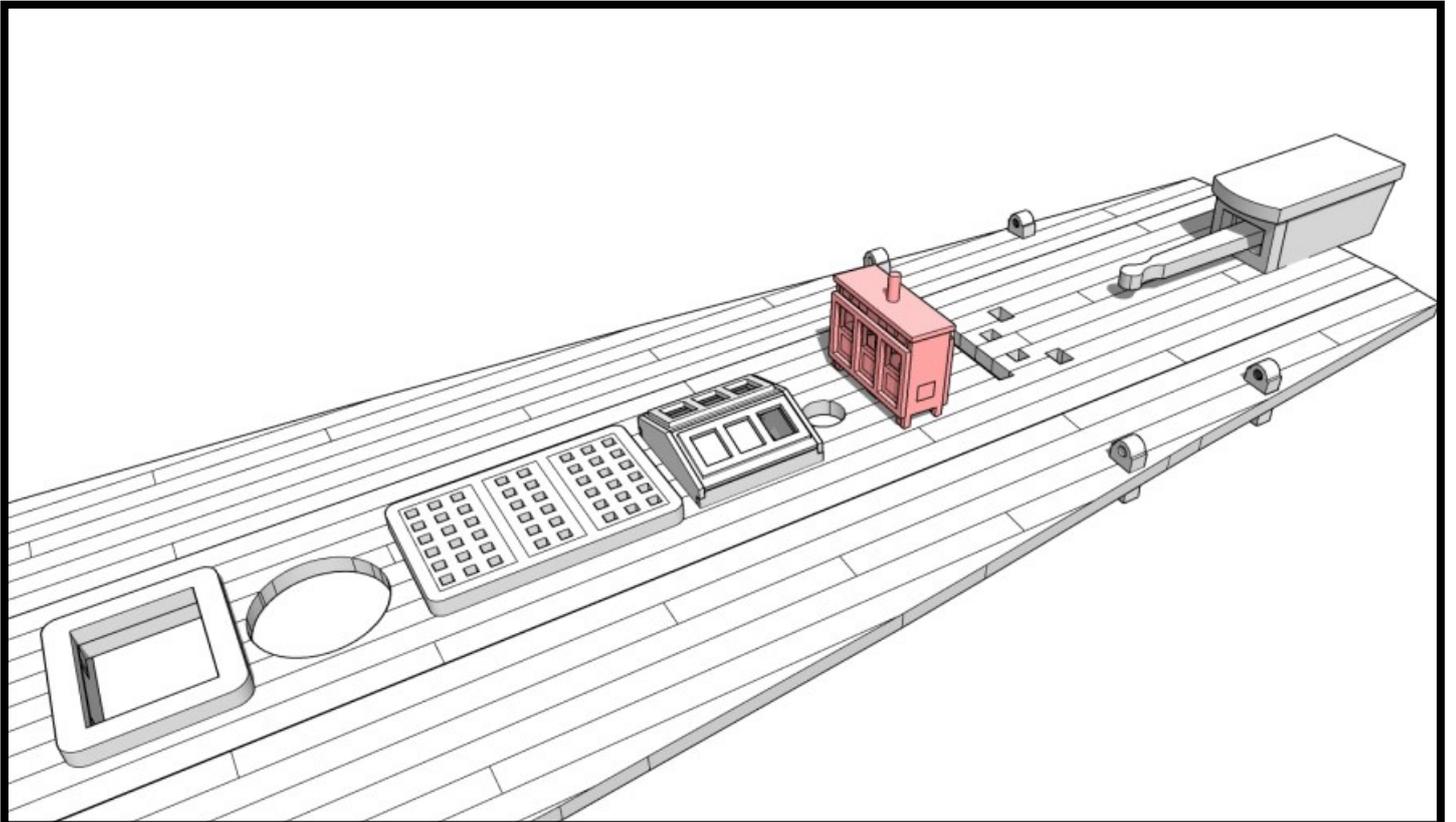
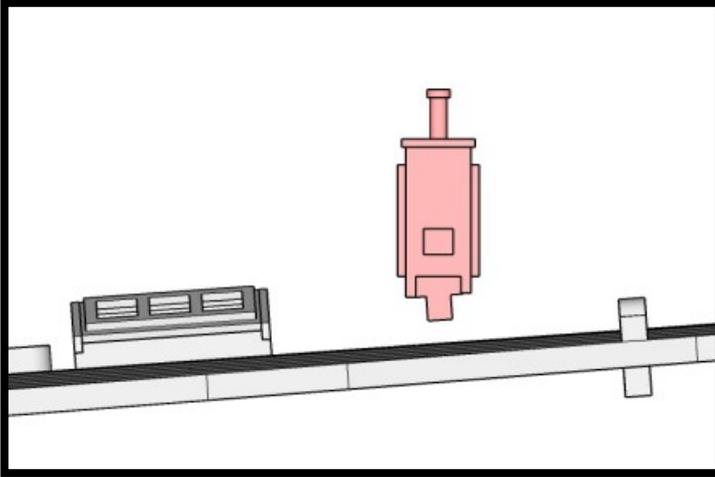
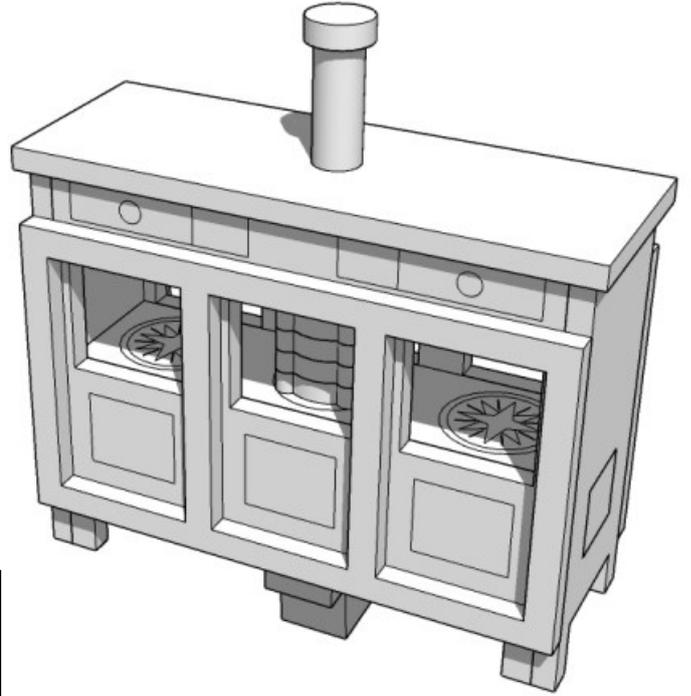


# MINIATURE SCENERY

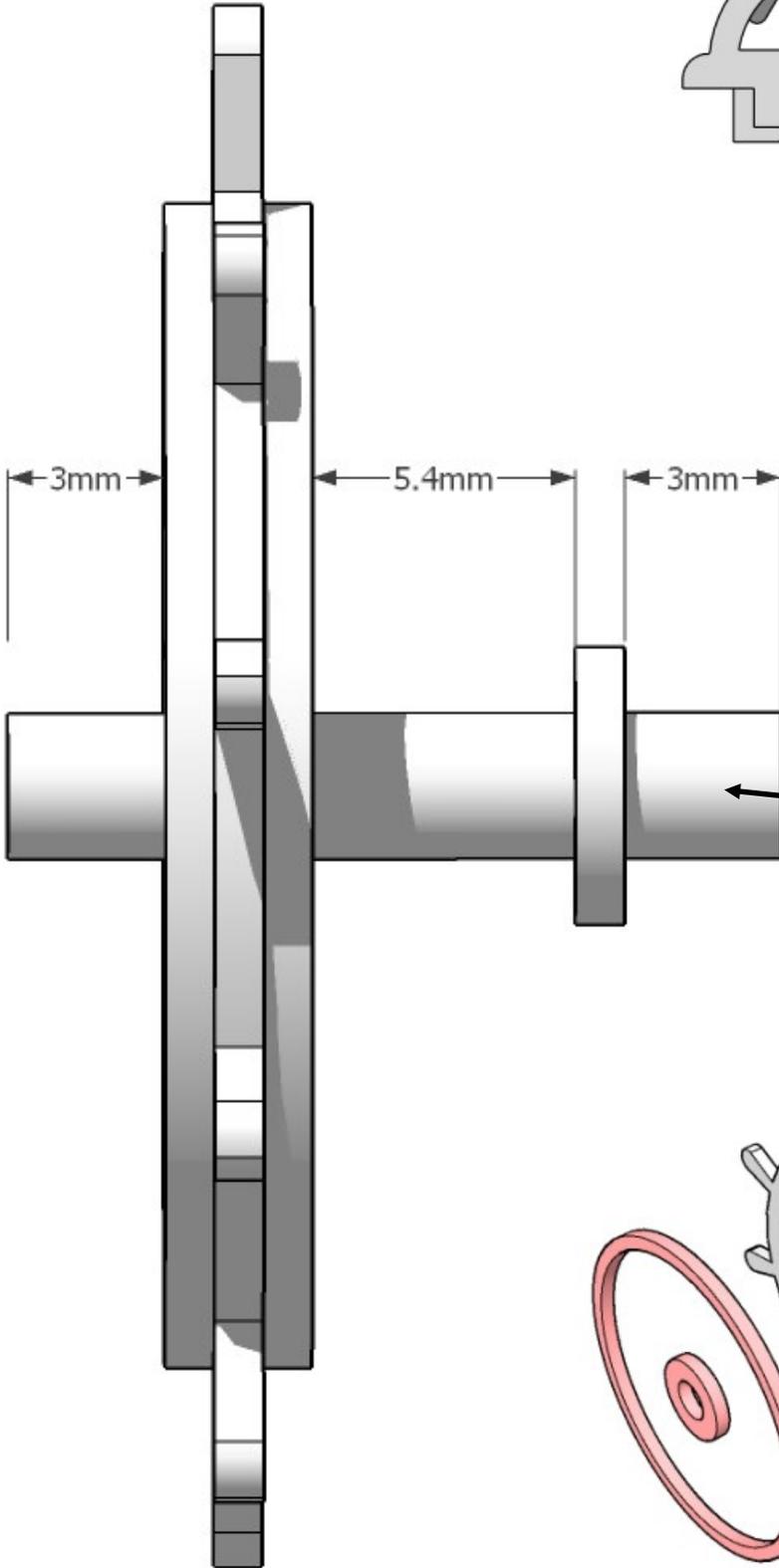
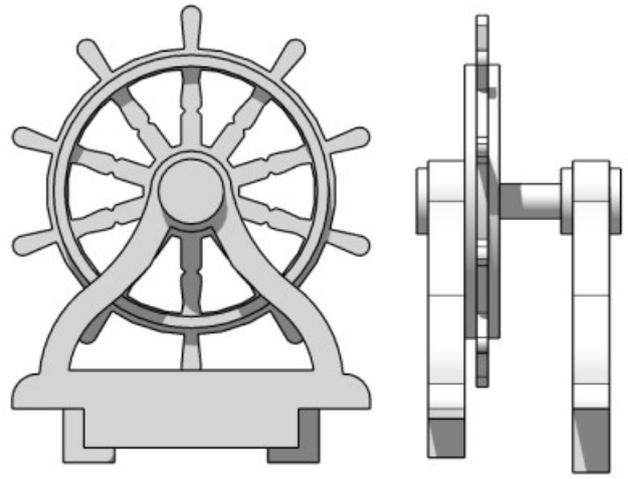


**6mm length of 3mm diameter rod.**

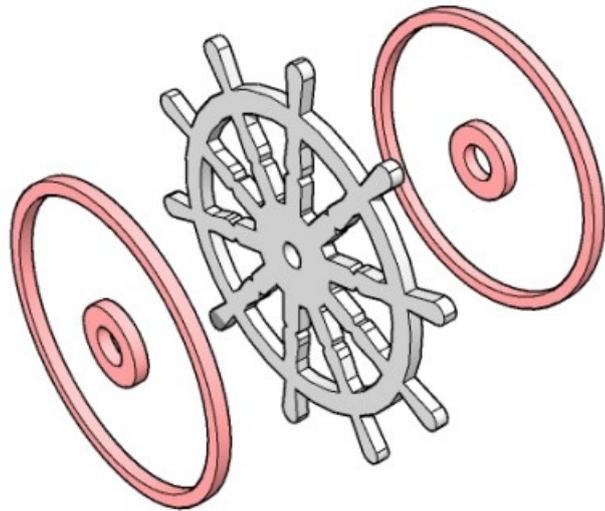
# MINIATURE SCENERY



# MINIATURE SCENERY



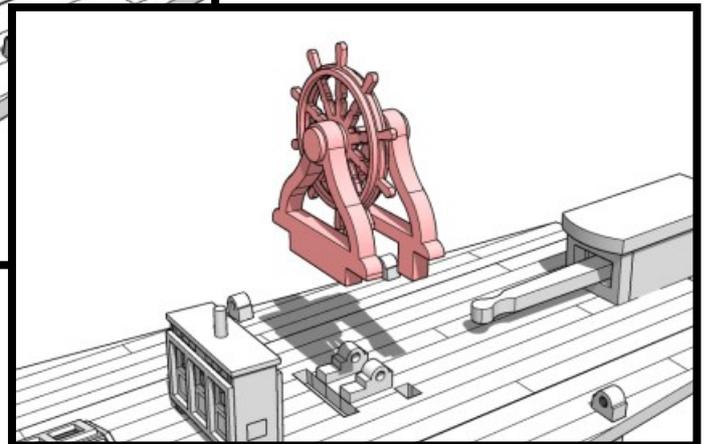
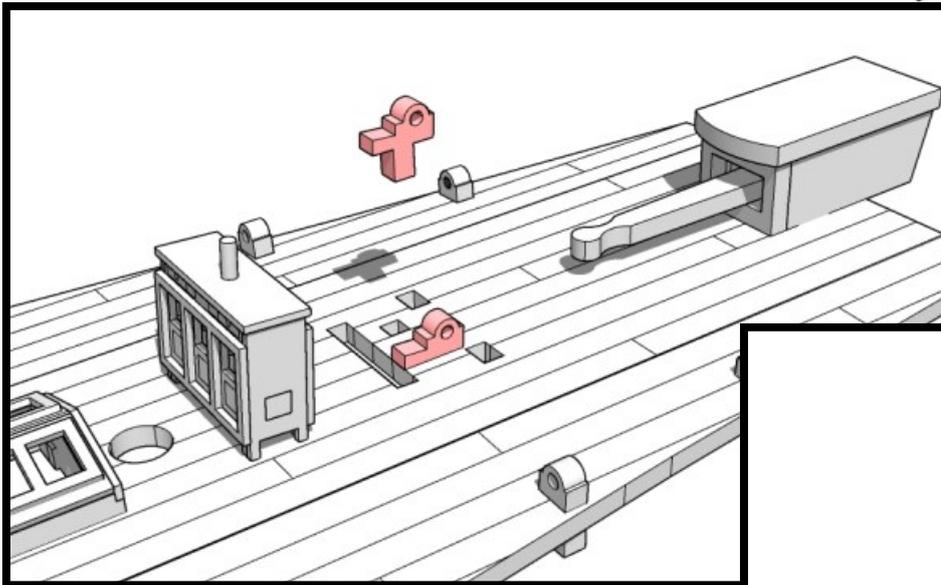
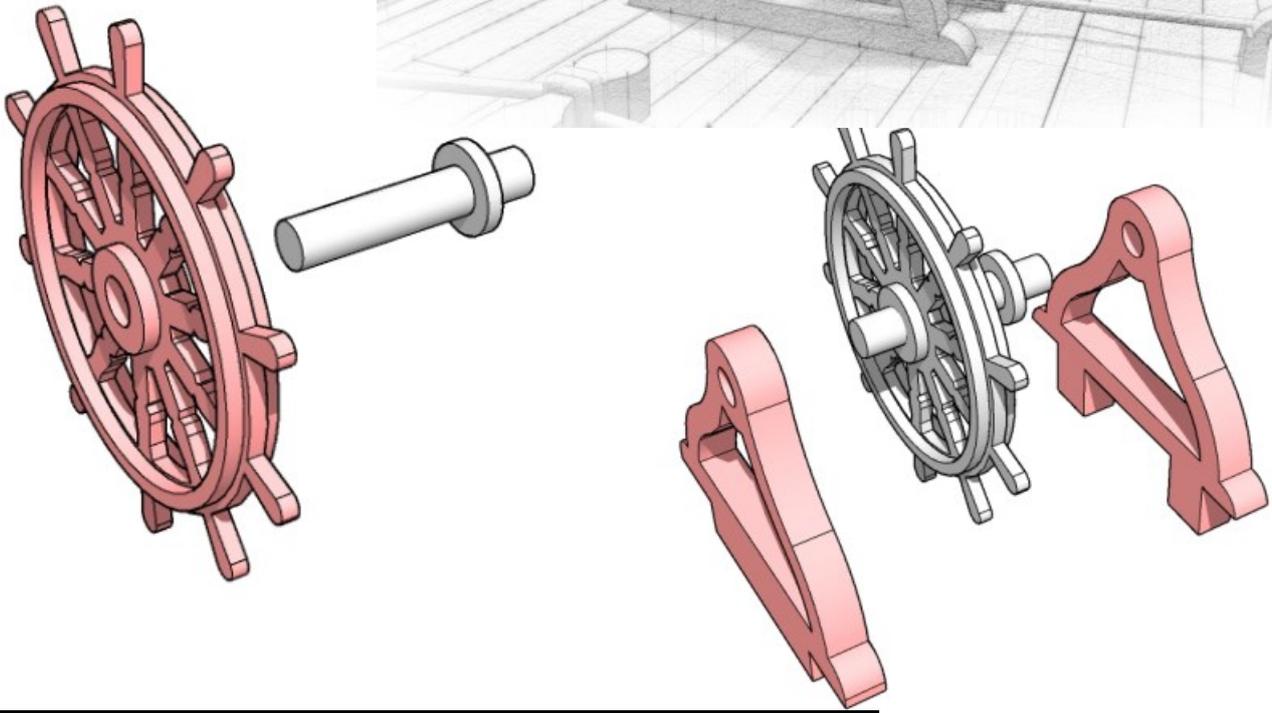
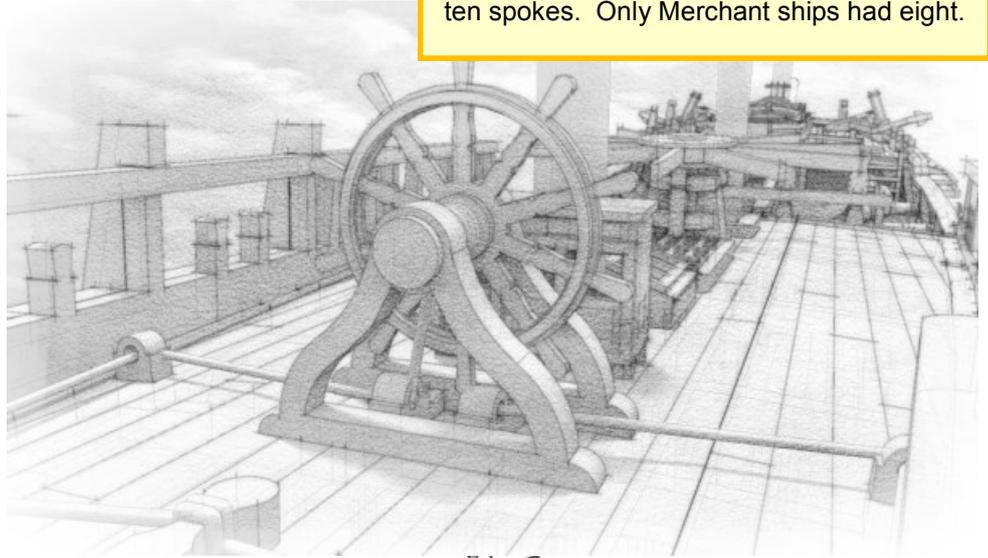
**3mm dowel,  
18mm long**



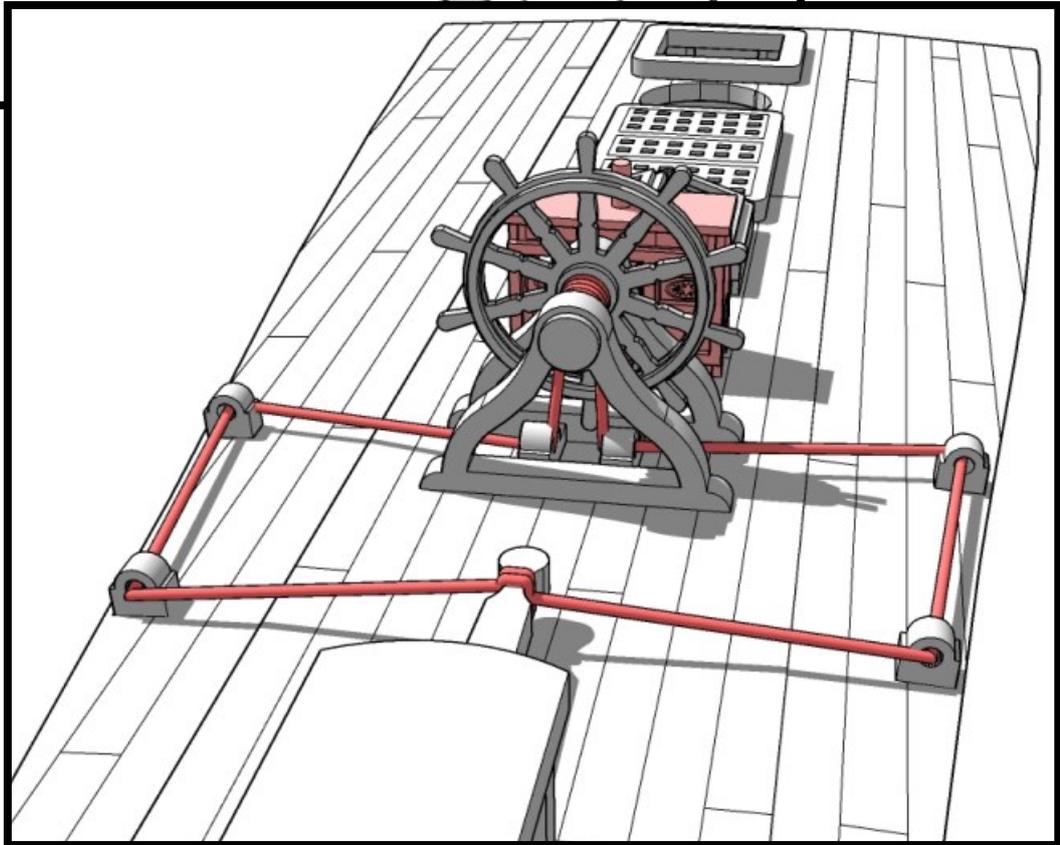
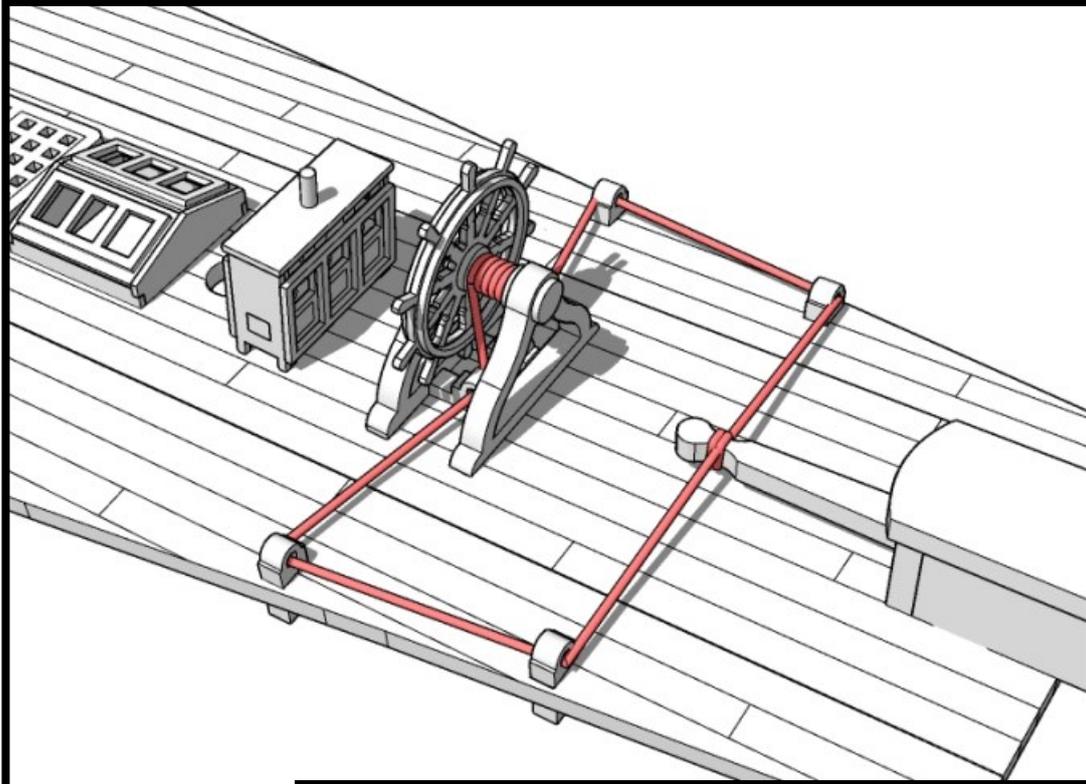
# MINIATURE SCENERY

## Historical Note:

The Ships Wheel was a standardised fitting on all British naval vessels of the time. All Wheels were the same diameter, and all had ten spokes. Only Merchant ships had eight.

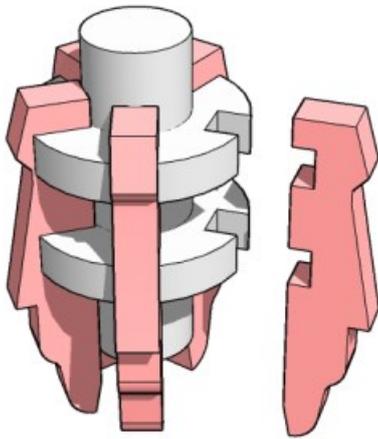
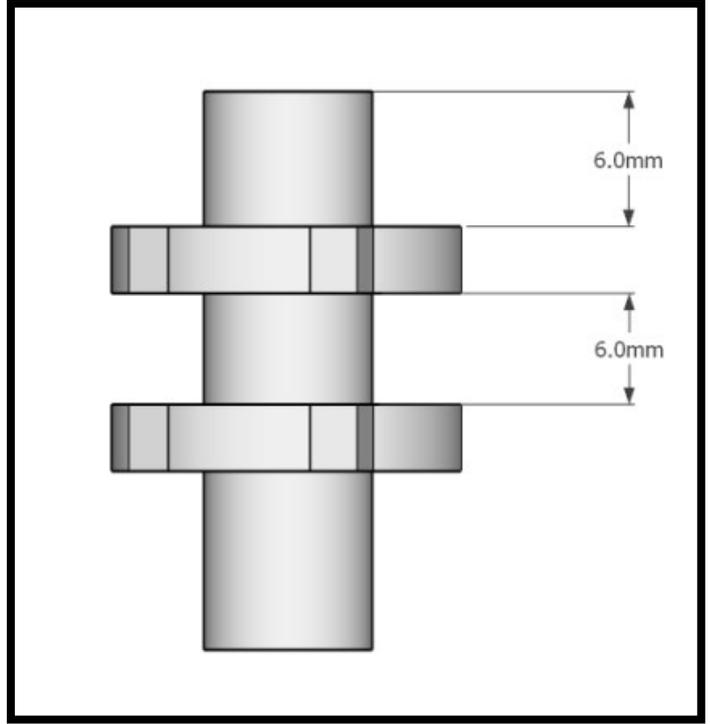
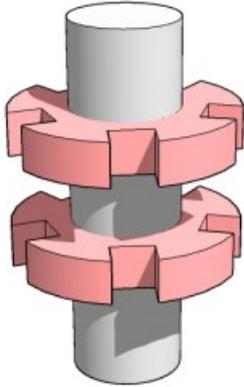


# MINIATURE SCENERY

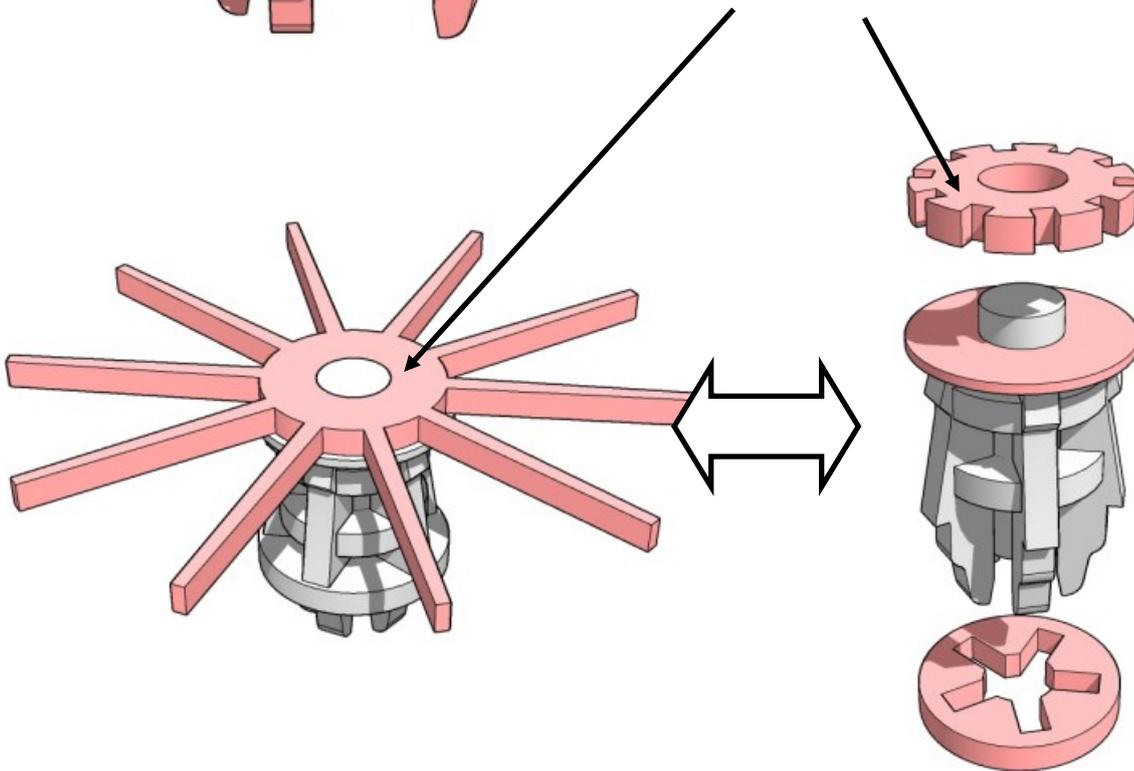


**Use Provided elastic to rig the ships  
Wheel to the tiller as shown.**

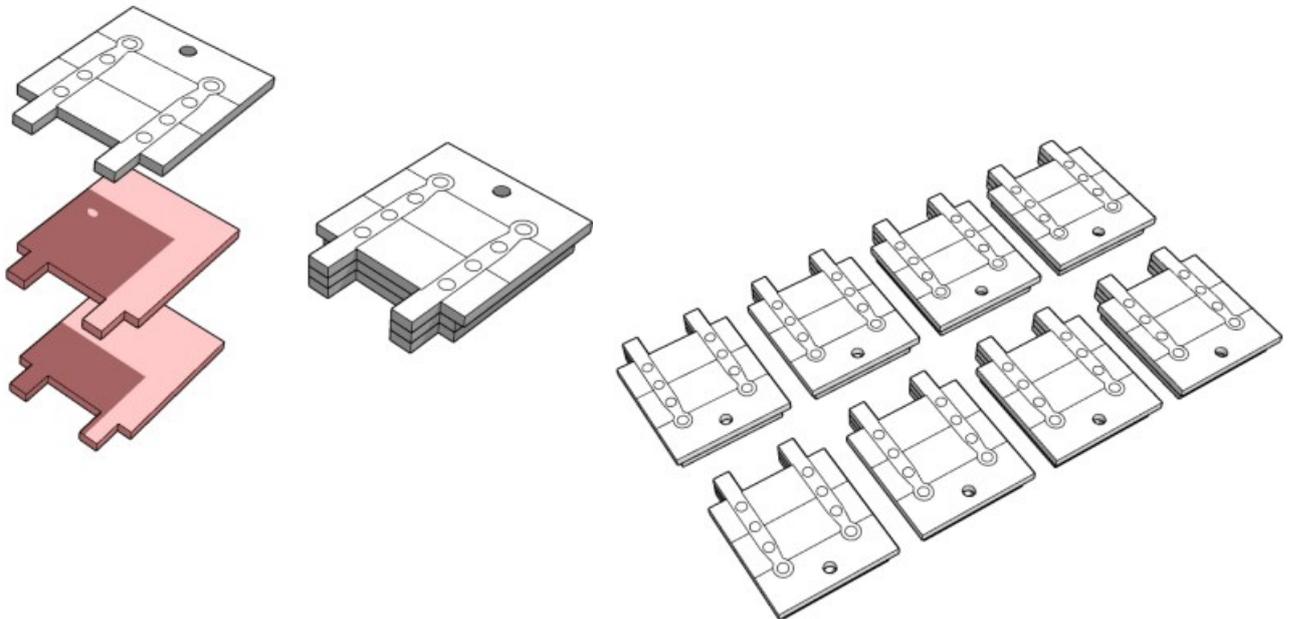
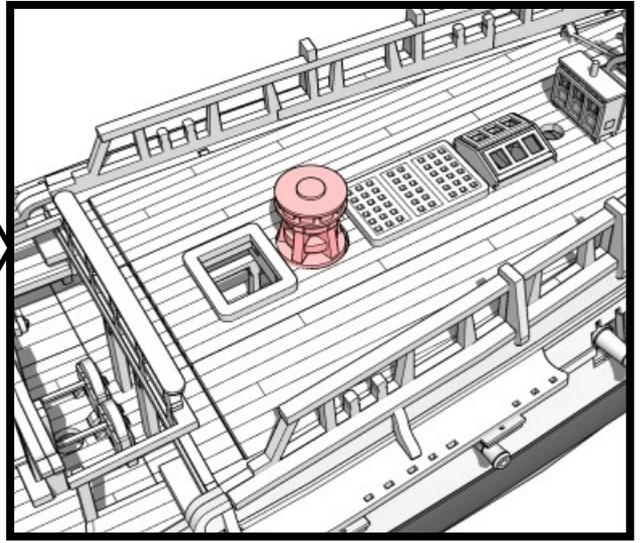
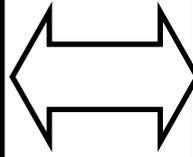
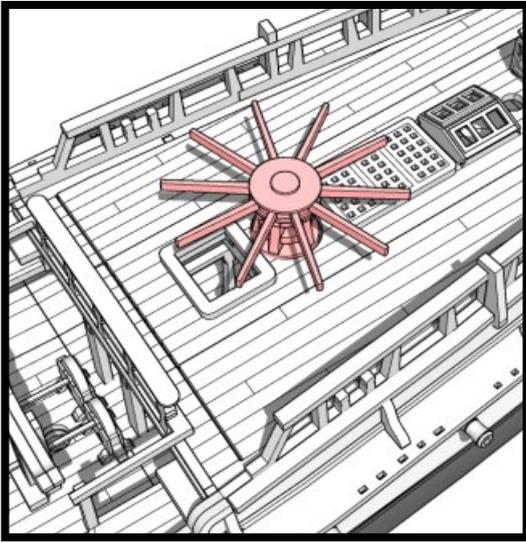
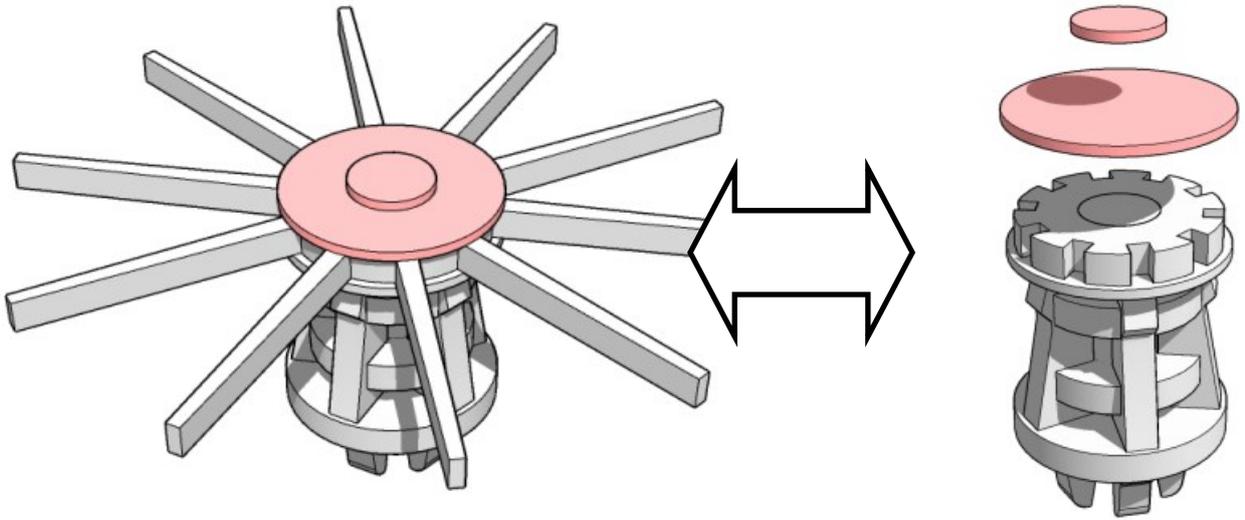
# MINIATURE SCENERY



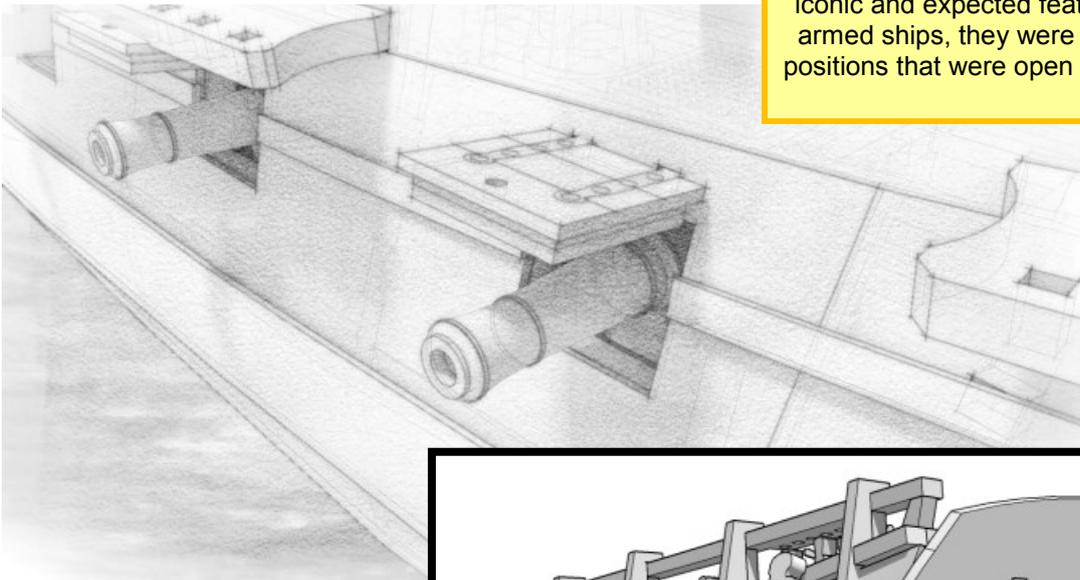
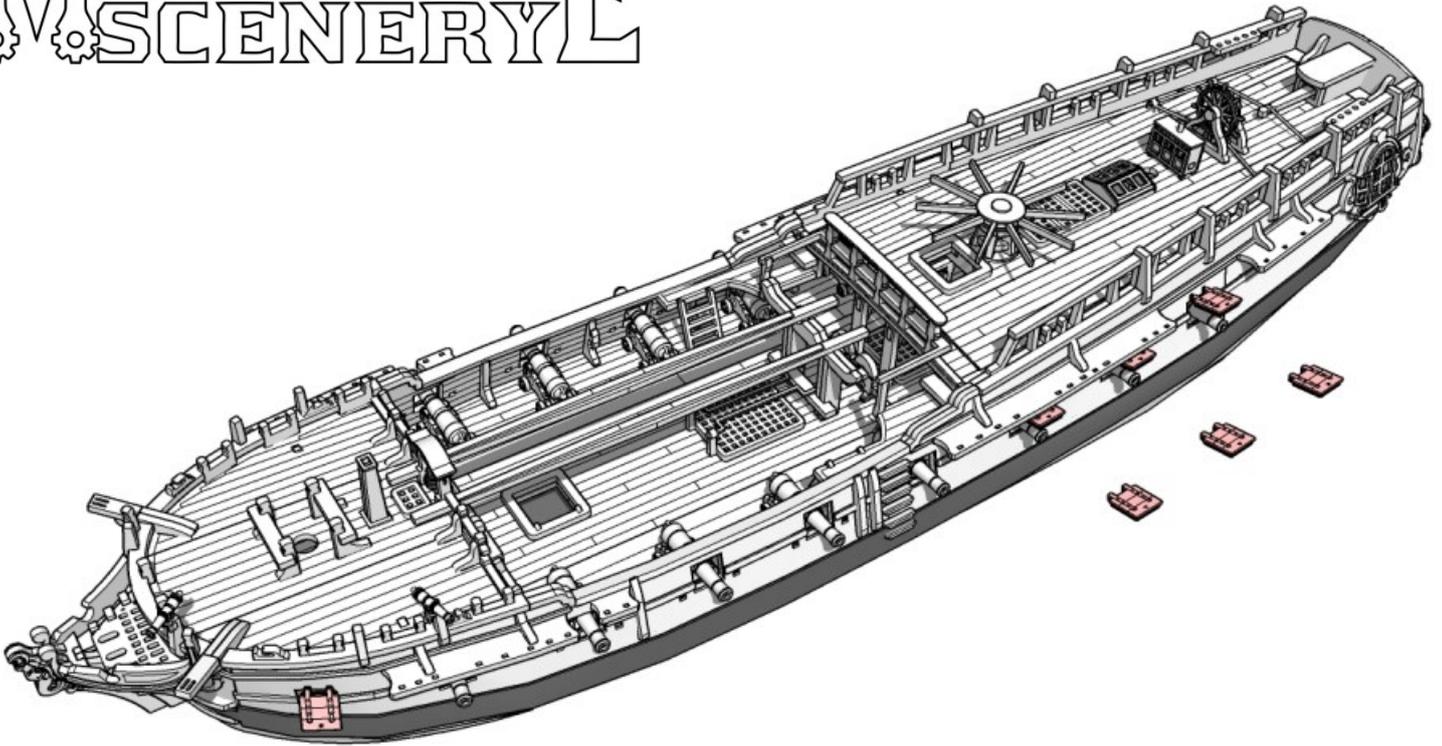
**The Capstan can be built with or without capstan bars. Choose either one.**



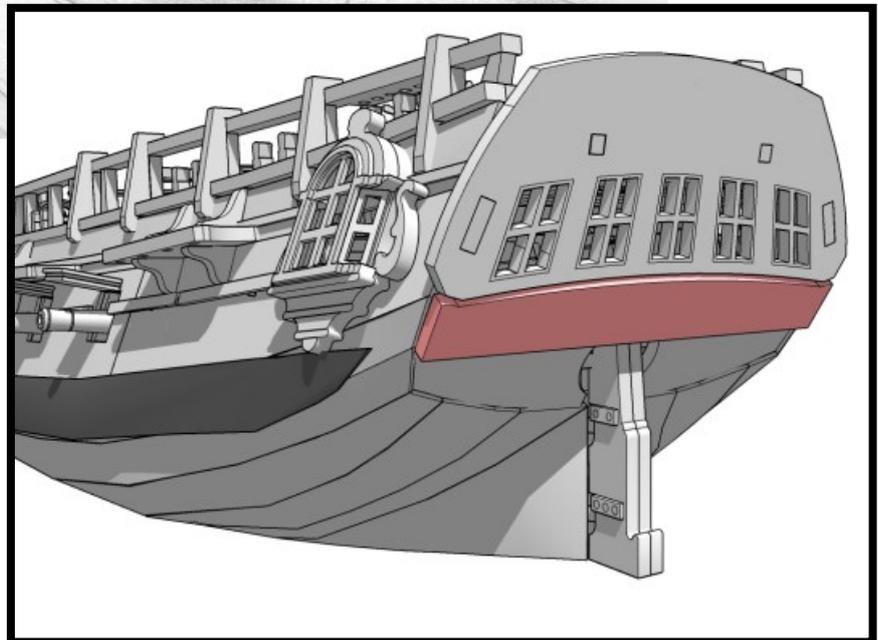
# MINIATURE SCENERY



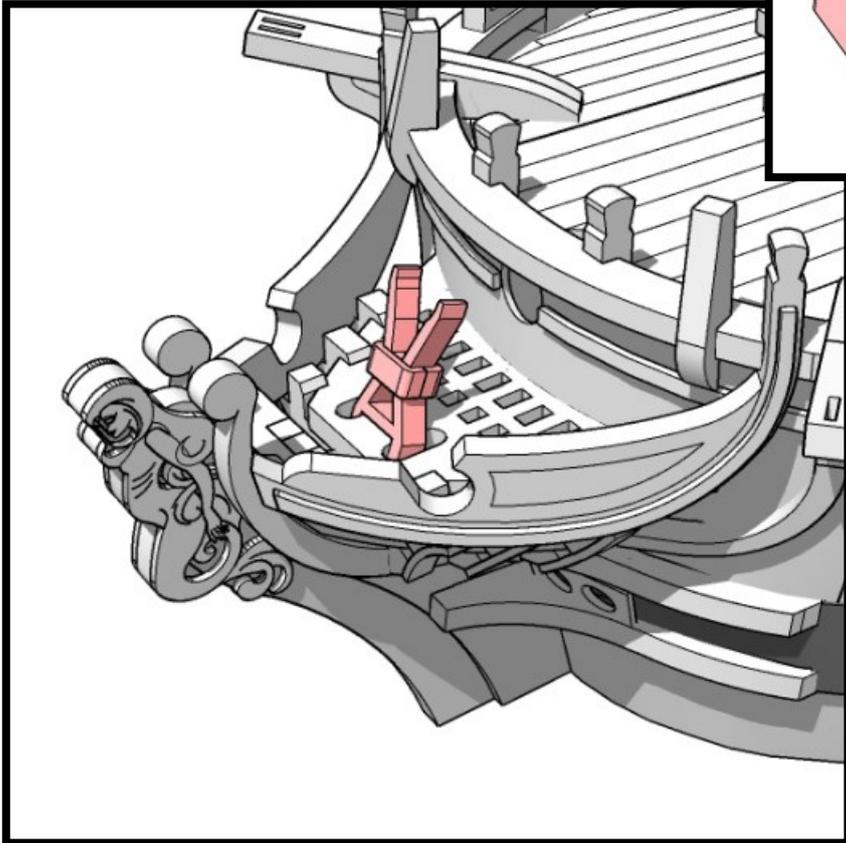
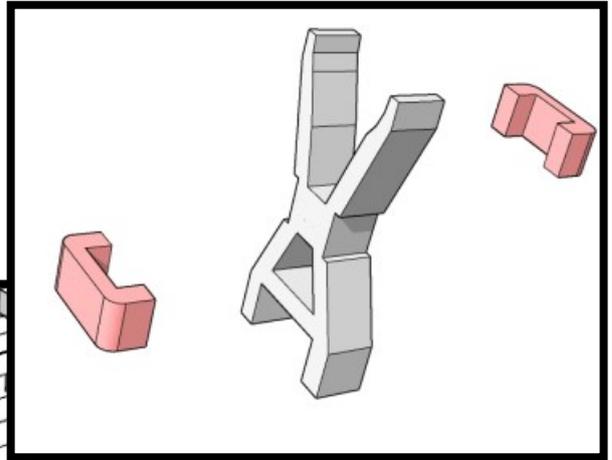
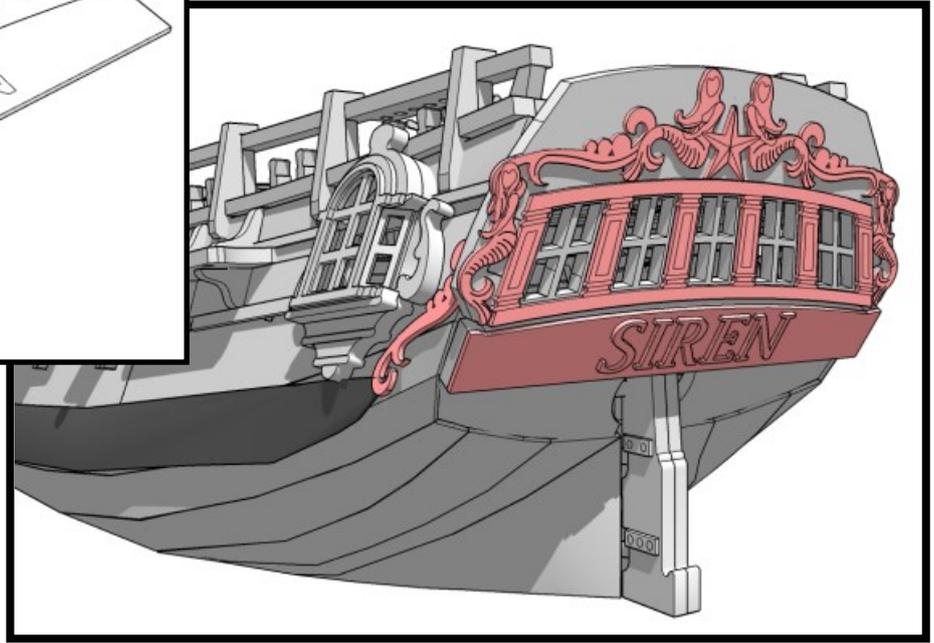
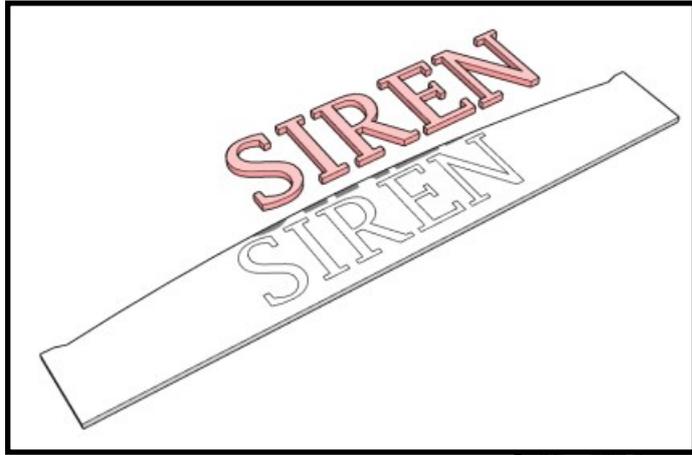
# MINIATURE SCENERY



Historical Note:  
Whilst Gunport covers are a somewhat iconic and expected feature of cannon armed ships, they were rarely fitted to positions that were open to the weather.

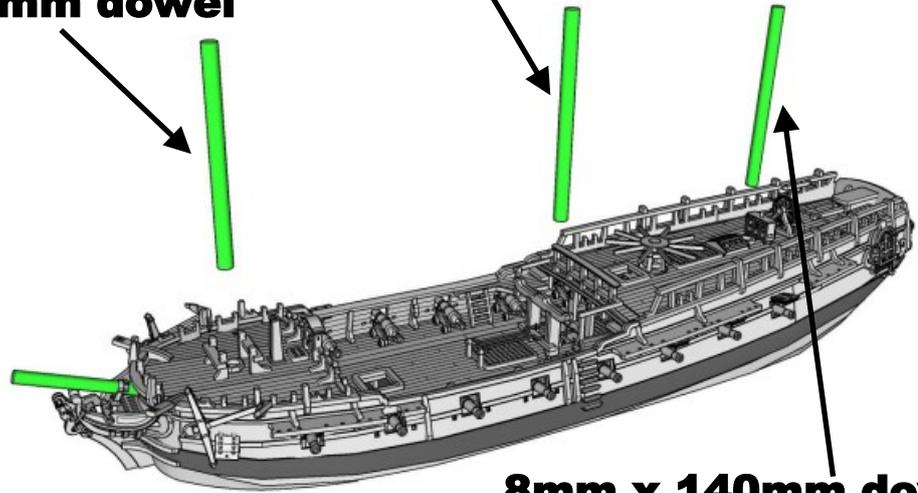


# MINIATURE SCENERY



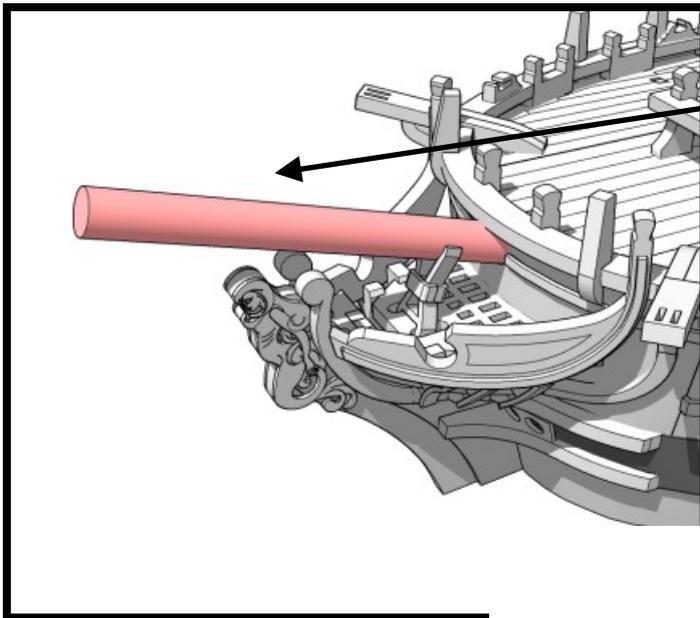
# MINIATURE SCENERY

**10mm x 155mm dowel**  
**10mm x 145mm dowel**

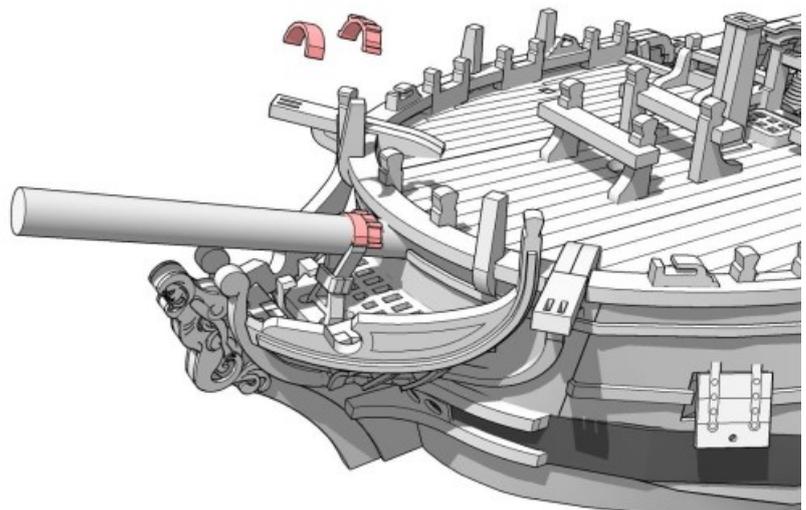


**8mm x 140mm dowel**

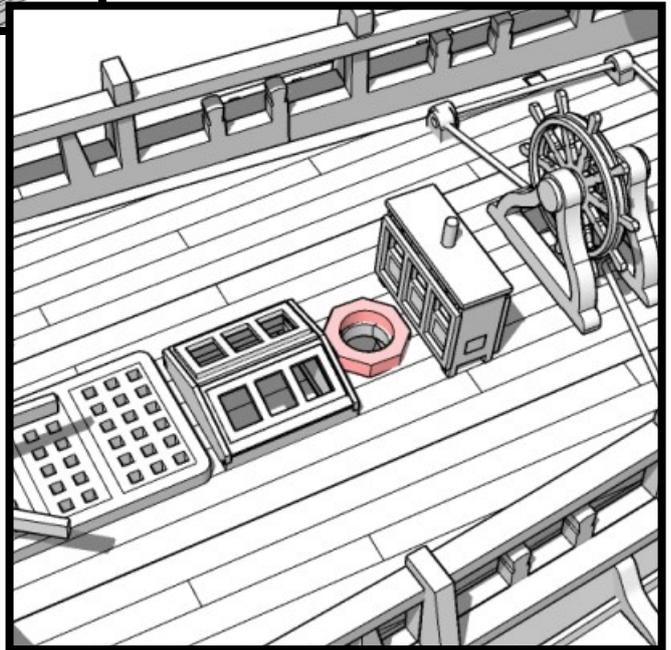
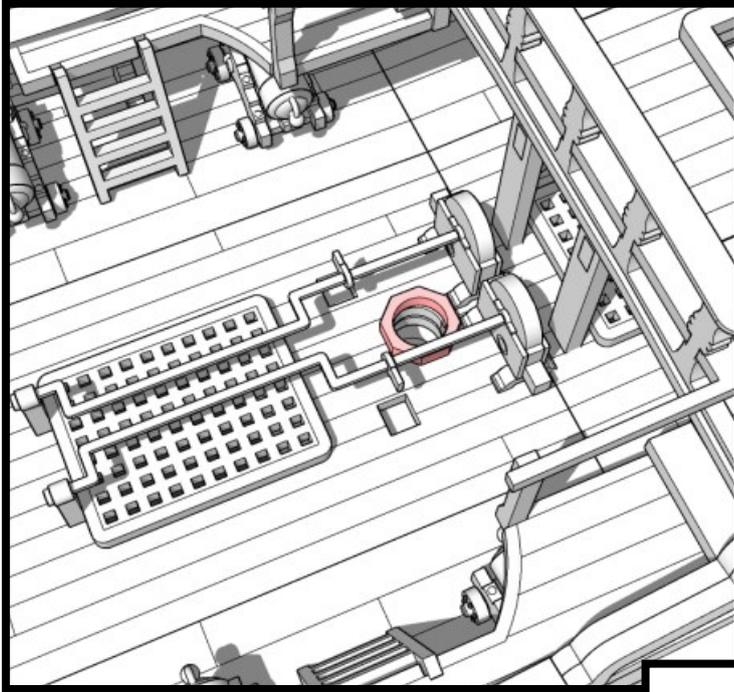
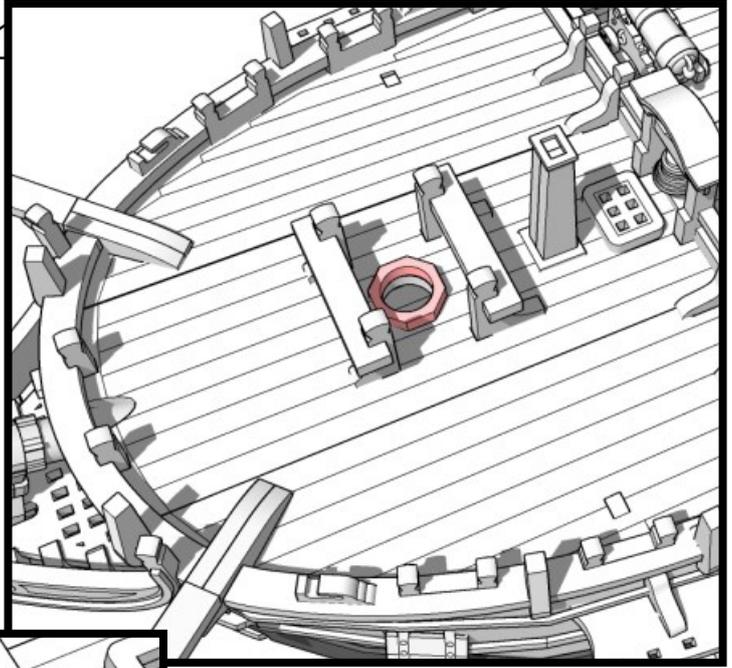
**DO NOT glue short masts in if you plan to use full masts later**



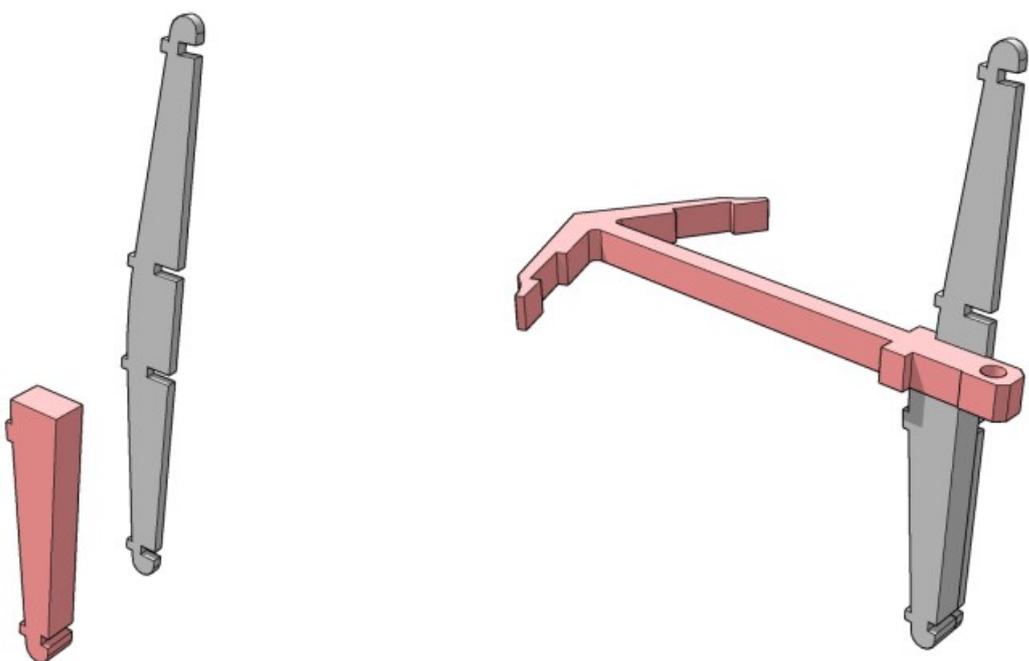
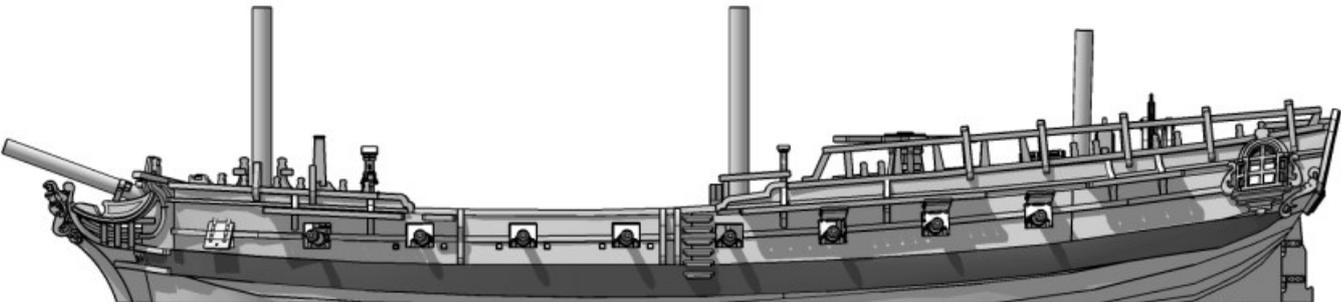
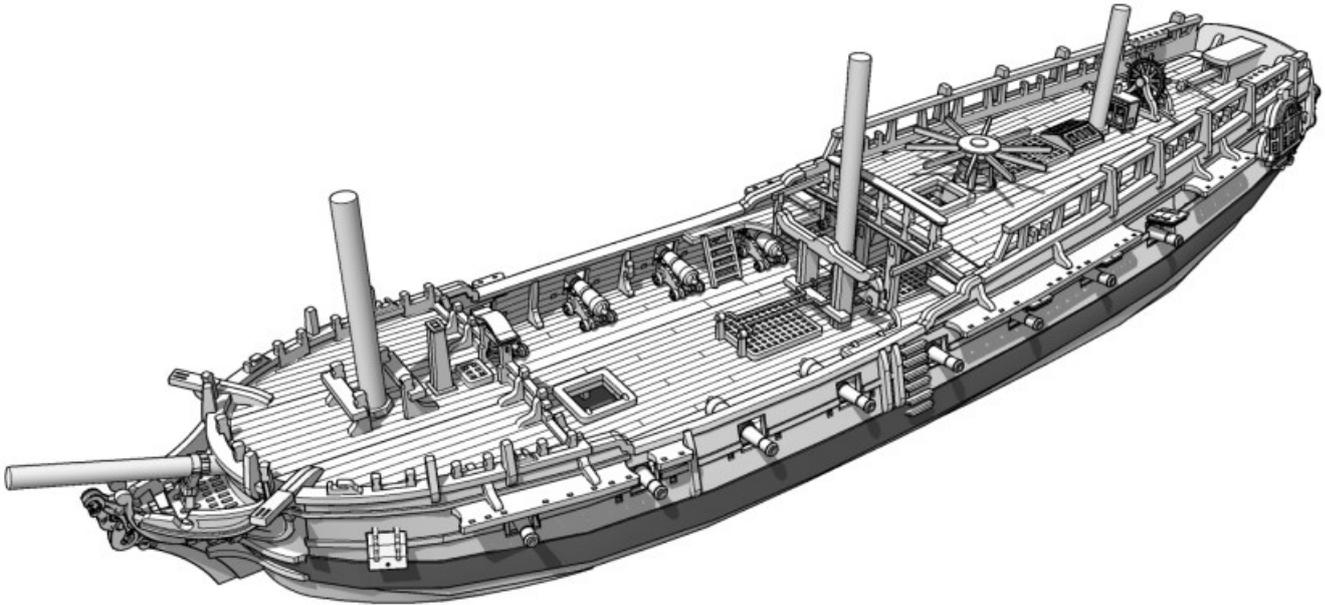
**8mm x 140mm dowel**



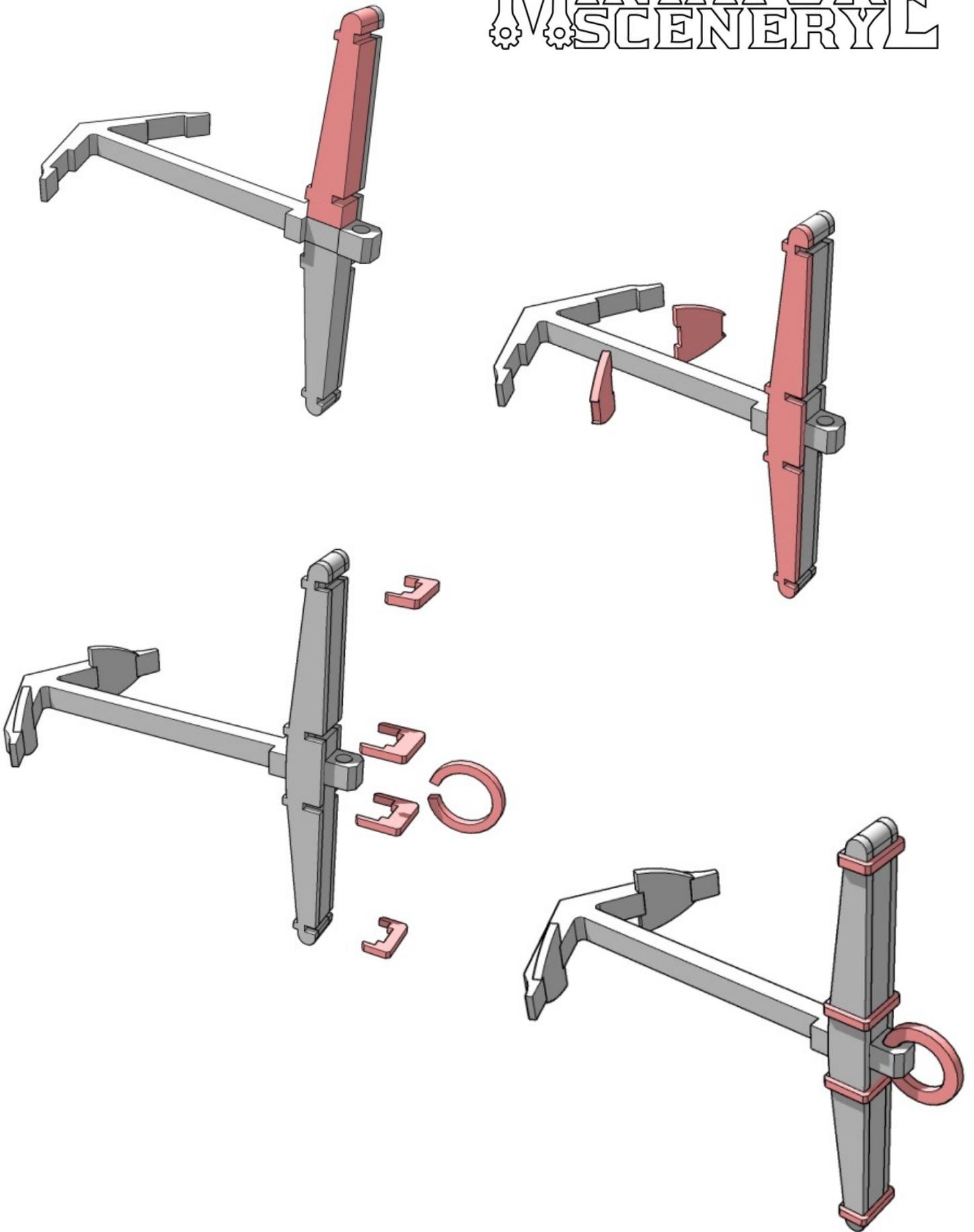
# MINIATURE SCENERY

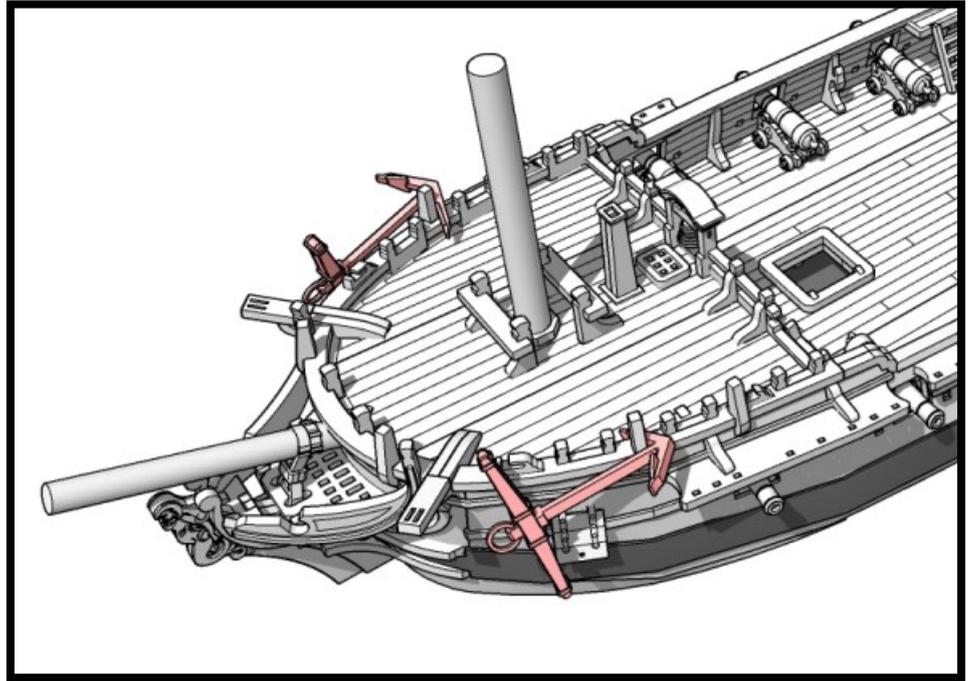


# MINIATURE SCENERY



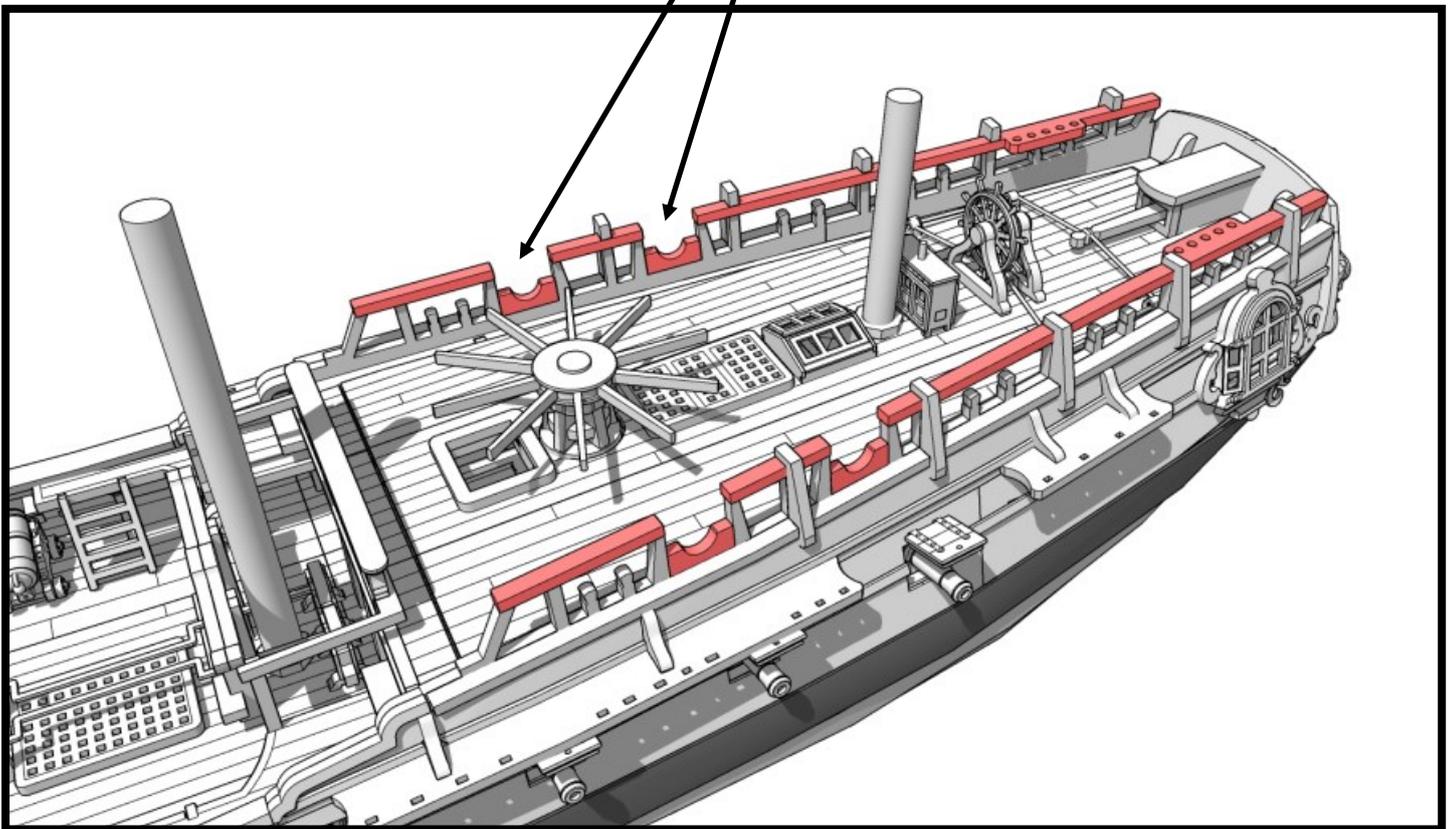
# MINIATURE SCENERY



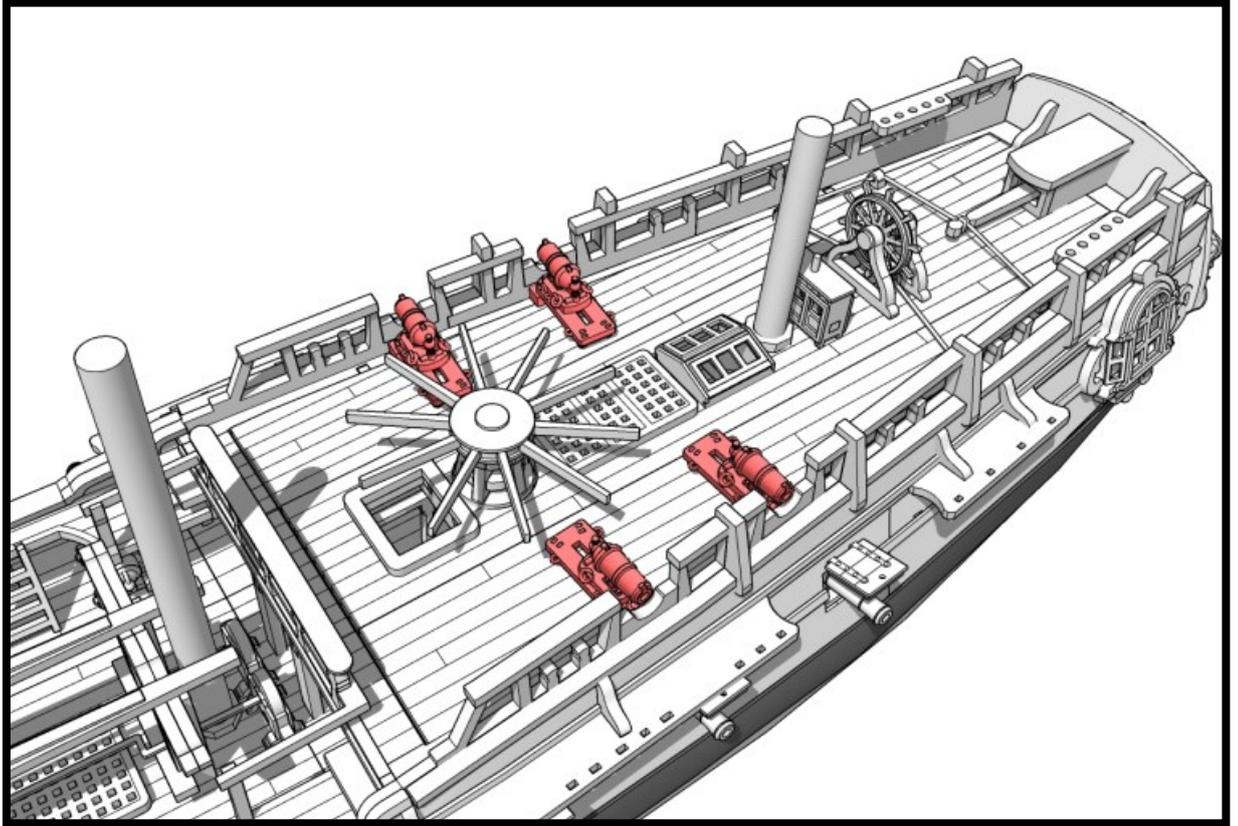


**Optional Carronade Placement  
(available separately)**

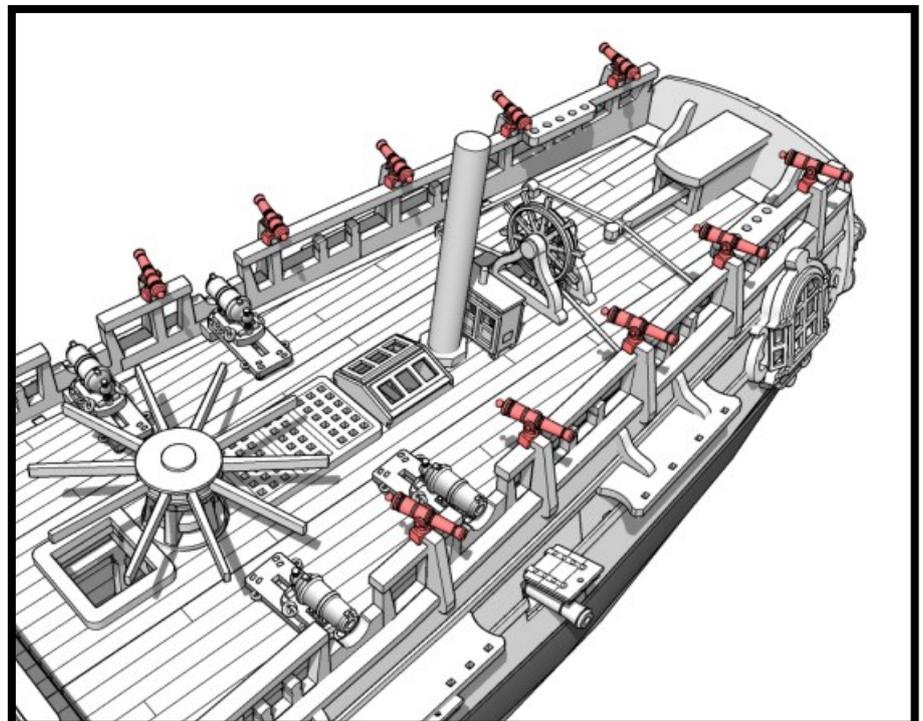
**Cut railing**



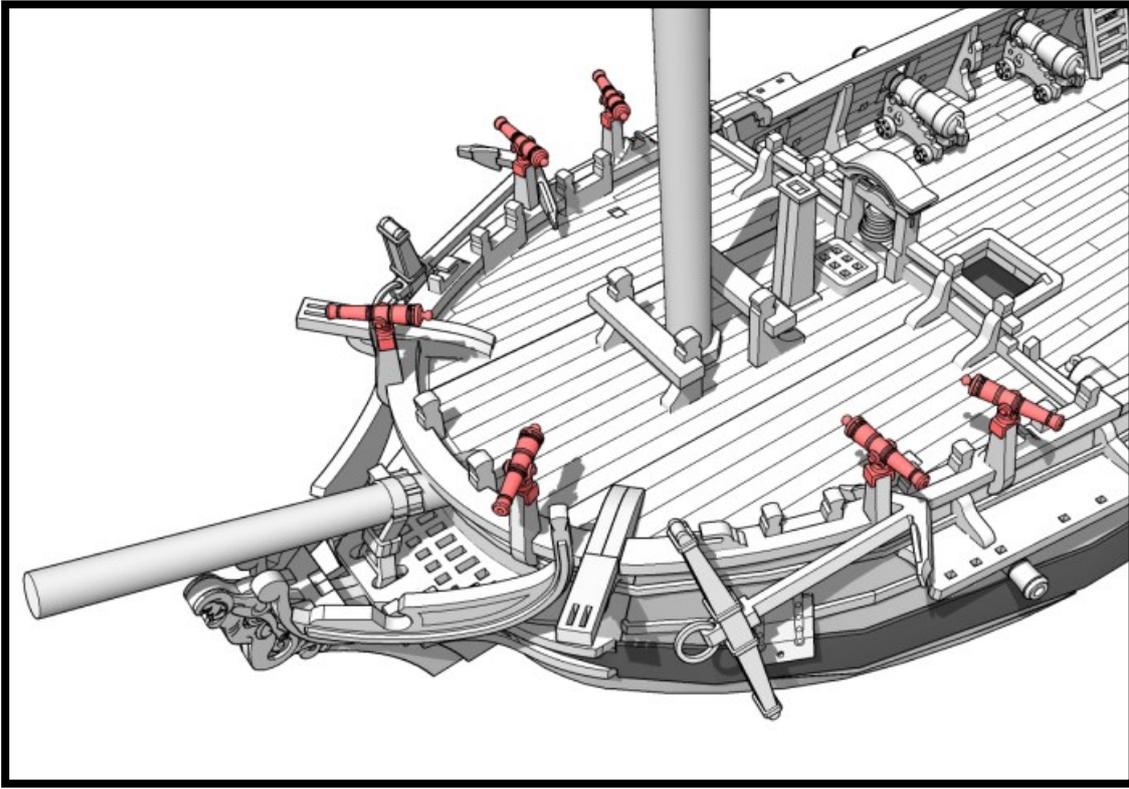
# MINIATURE SCENERY



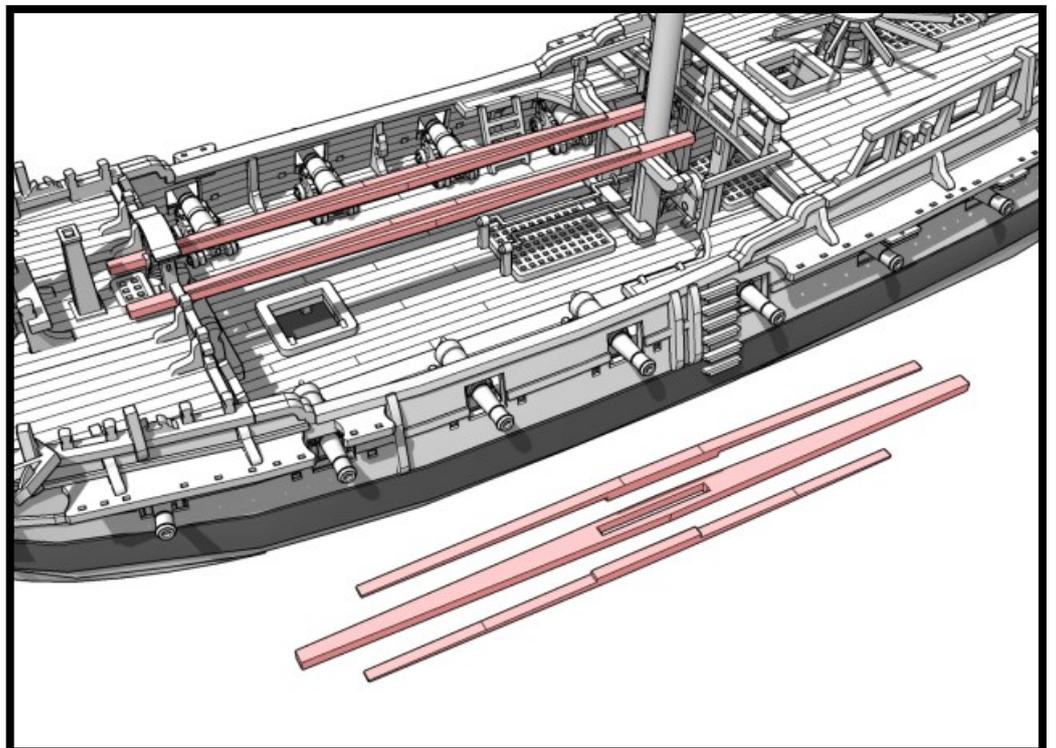
## **Optional Swivel Gun Placement (available separately)**



# MINIATURE SCENERY

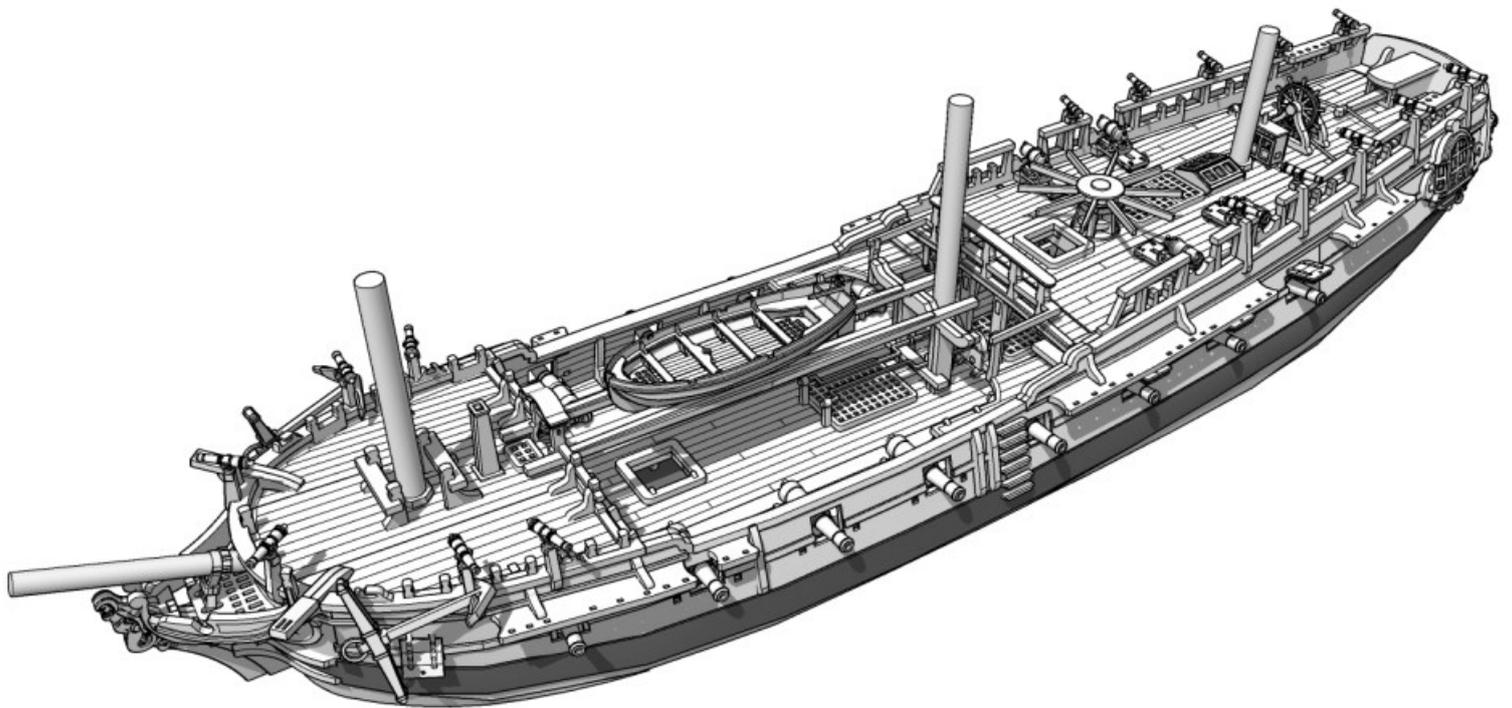
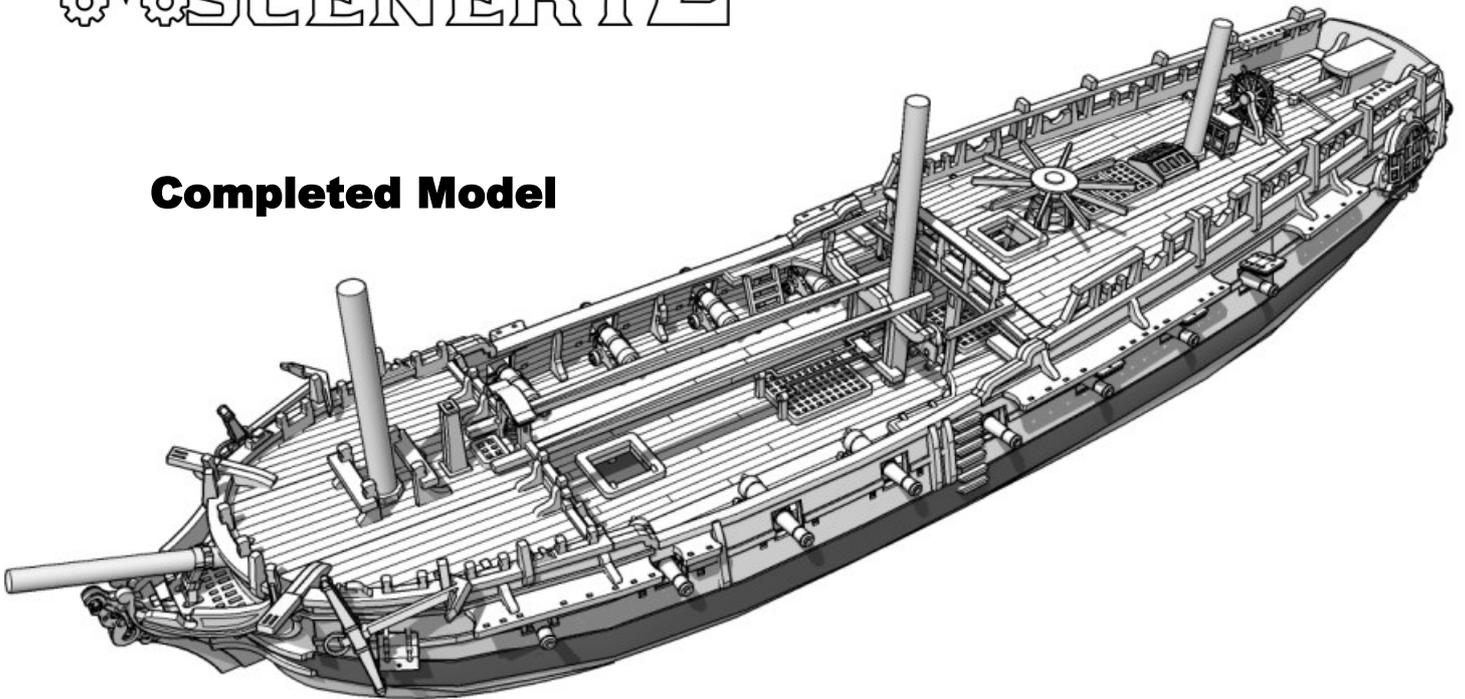


**Spare spars. The optional Jolly boat (available separately) is placed on these.**



# MINIATURE SCENERY

## Completed Model



**Picture Showing completed model with optional Carronades, Swivel guns and Jolly boat.**