

SUPERSTRUCTURE PHOTO ETCH SET FOR TRUMPETER 1/200 RMS TITANIC

SHEET A & B INSTRUCTION GUIDE

**PLEASE READ THIS FULL
INSTRUCTION GUIDE BEFORE
YOU BEGIN**

INTRODUCTION

I designed this unique Superstructure Photo Etch set to help modellers accurately enhance the Trumpeter Titanic Kit.

By using Photo Etched Brass it is possible to achieve a very accurate scale thickness and extra details. Such as the look of individual riveted steel plates.

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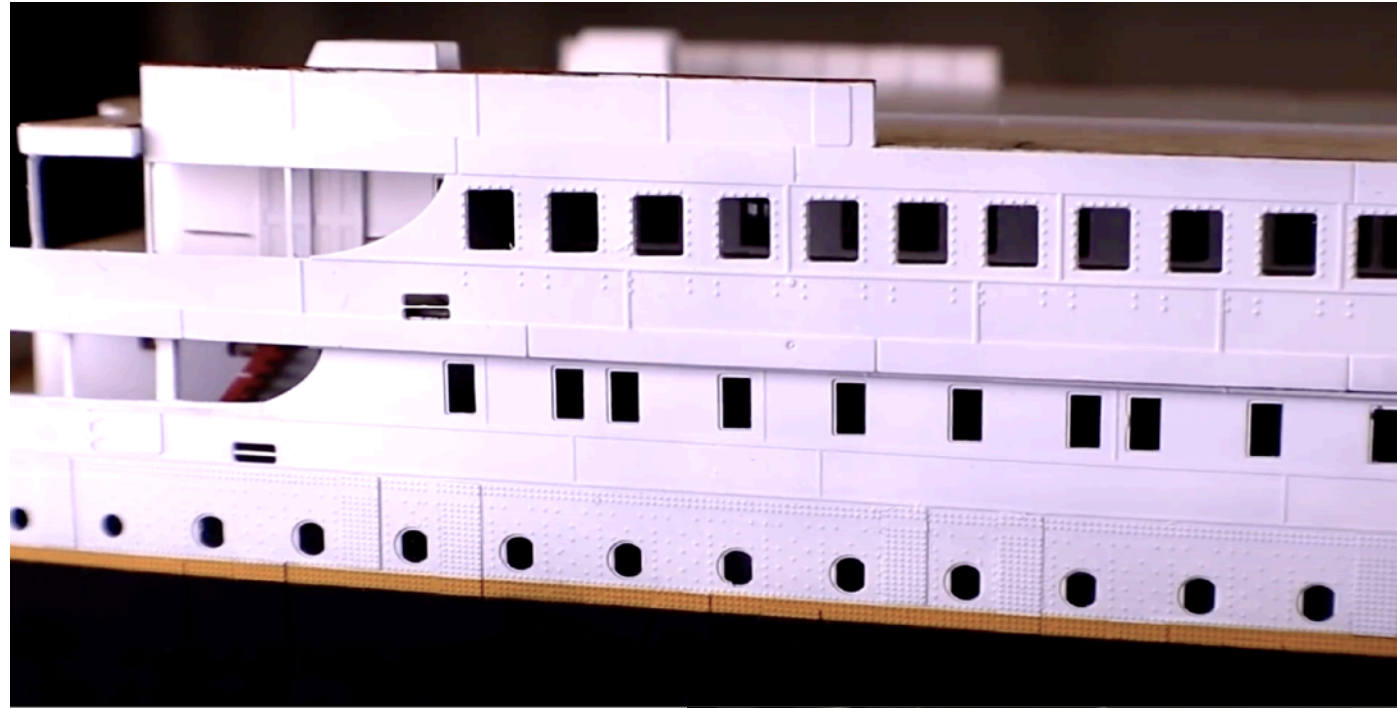
There are different options to take depending on if you are using the kit lower superstructure or the 3D printed supports available from Shapeways.

The PE set is only suitable for experienced modellers who are relatively confident in using Photo Etch parts.

These PE sets are designed to work with the Trumpeter kit parts. Some modification of the kit parts may be required so that everything lines up perfectly.

ESSENTIAL TOOLS REQUIRED:

- An X-Acto knife with plenty of new blades
- Diamond files
- Adhesive (Slow setting CA and E6000)
- Metal Primer
- PE Cutting surface
- Model Pliers
- Model Tweezers

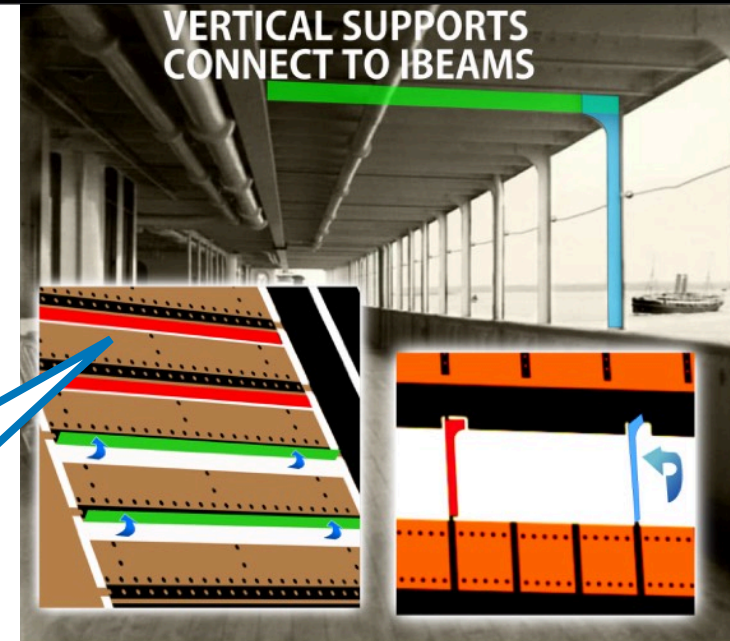


WHICH ADHESIVE?

After trialing which adhesive will work best with large sections of brass photo Etch, Ben from the Midwest Modelshop and I, both agree that E6000 glue works very well for glueing large parts together. As CA glue dries too quickly. E6000 glue has a slow drying time and also remains flexible. Which is ideal for giving you time to finely align the parts and for also bending the bridge front sections.

When also using the Photo Etch I-beam set (SHEET C) The overhead beams accurately connect to the vertical supports.

VERTICAL SUPPORTS CONNECT TO IBEAMS

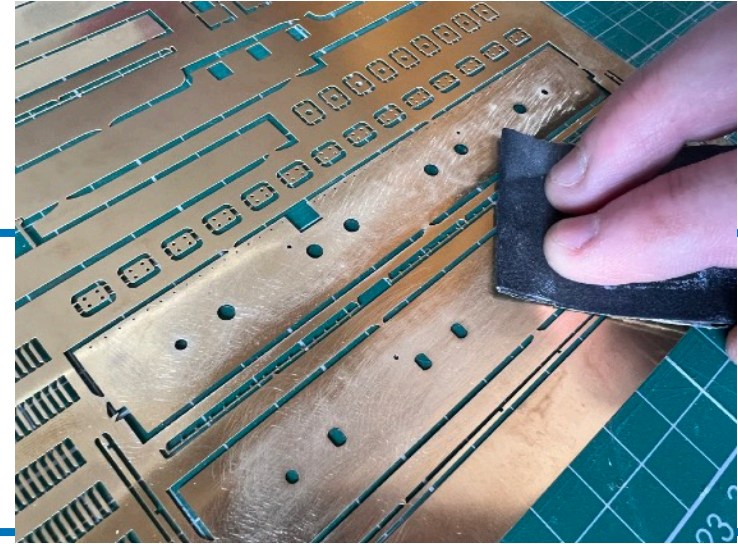


THE C DECK FORWARD BULKHEAD

TIP

BUFF THE UNDERSIDE OF THE BRASS PARTS

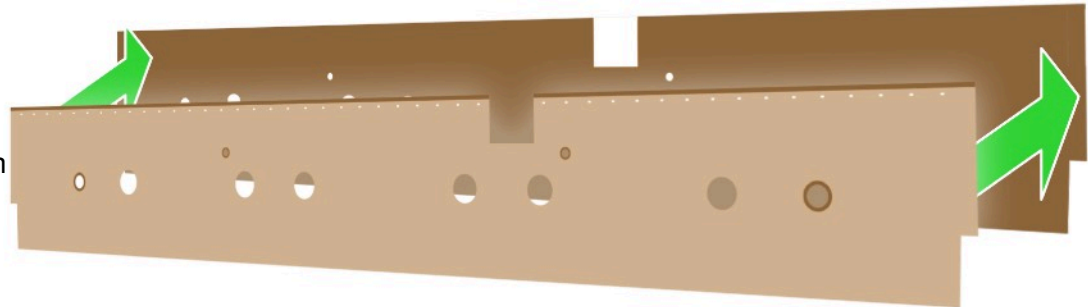
When ever you need to glue the brass parts together and/or the kit plastic; buff the underside of the brass first to help give the glue greater gripping properties.



1

GLUE PARTS A20 & A30 TOGETHER

Glue these parts together by using a slow setting glue like E6000, it allows you time to easily line them up perfectly and clamp them together. Further to that you can add CA glue with an X-acto blade to close any gaps around the edges.



2

ADD THE STORM SHUTTERS

If using the V1 set, you may want to add small piece's of styrene under so that the storm shutters appear to be separate from the bulkhead.

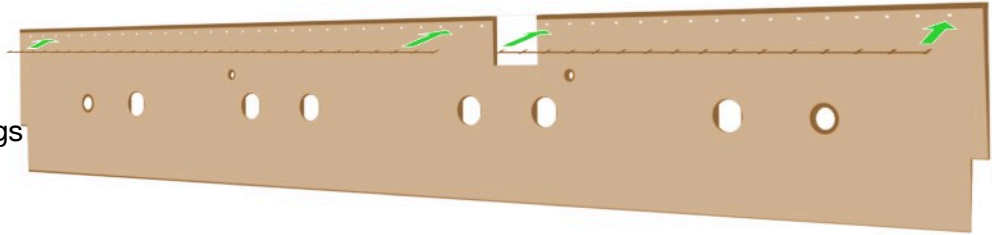
Then glue parts **A19** in place.



3

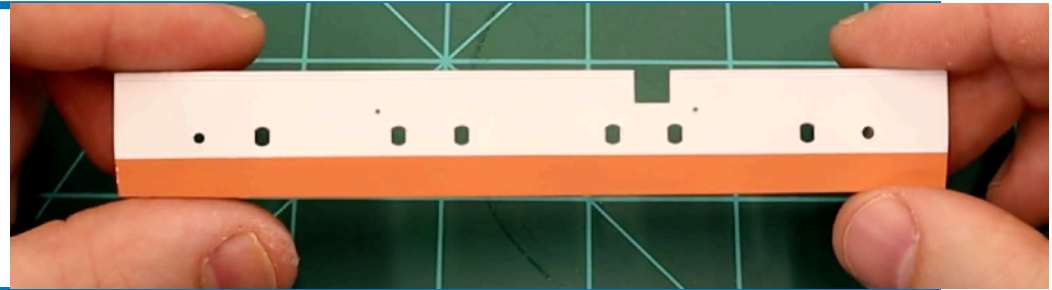
ADD THE RAILING. (V2 ONLY)

Use the etched holes to accurately position the railings and glue into place with CA glue.



4

PAINT THE FORWARD BULKHEAD



5

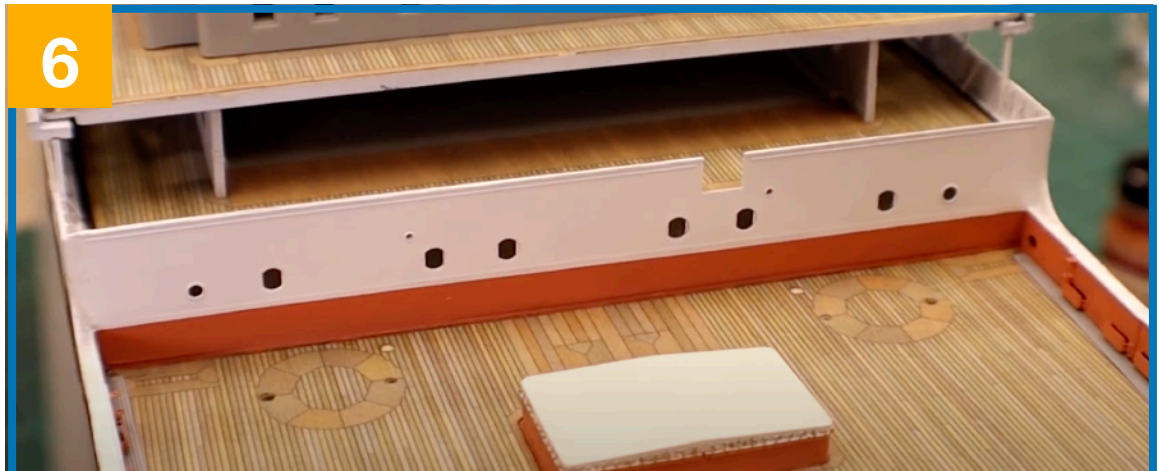
If you are using the PE Hull plating; you will need to fill this 2mm gap at either end. Use off-cuts of brass or styrene.

This is corrected in V2 of this set.



6

- Add filler where needed.
- Glue into place with CA glue.
- Then touch up with paint.



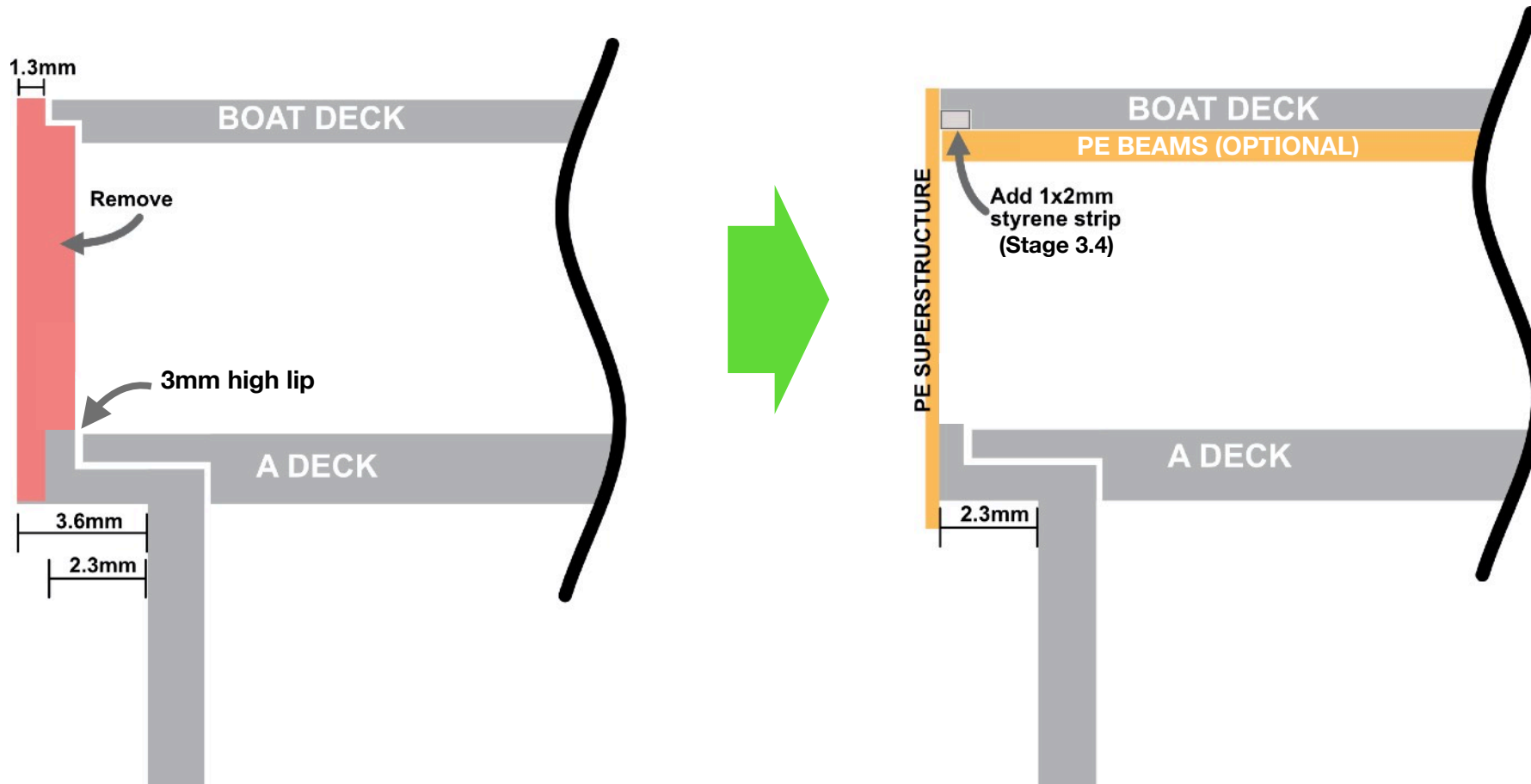
PREPARE THE KIT SUPERSTRUCTURE PROFILES

Follow this guide if you plan to use the kit's Superstructure Profiles.

Alternatively you can skip this step if you have purchased the 3D printed supports available on Shapeways.

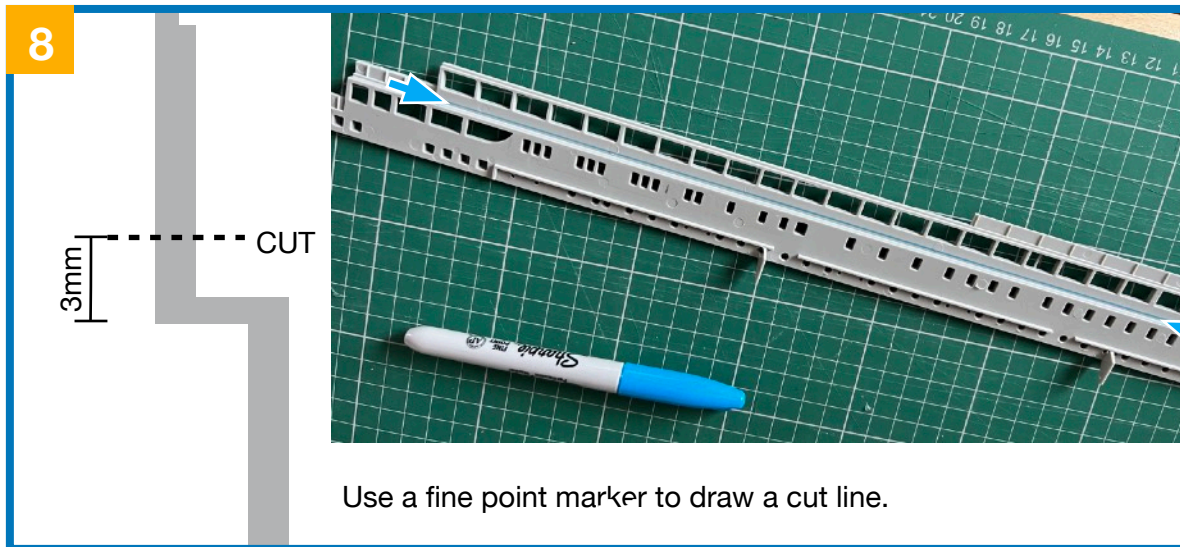
Much of the plastic must be removed so that the PE Superstructure fits secure and plumb to the Boat deck and A deck.

1. I recommend a Mini Table Saw to cut along the superstructure leaving a 3mm lip.
2. Then plane and sand the lip back so that it projects out 2.3mm.



HOW TO CUT THE KIT PARTS TO SIZE

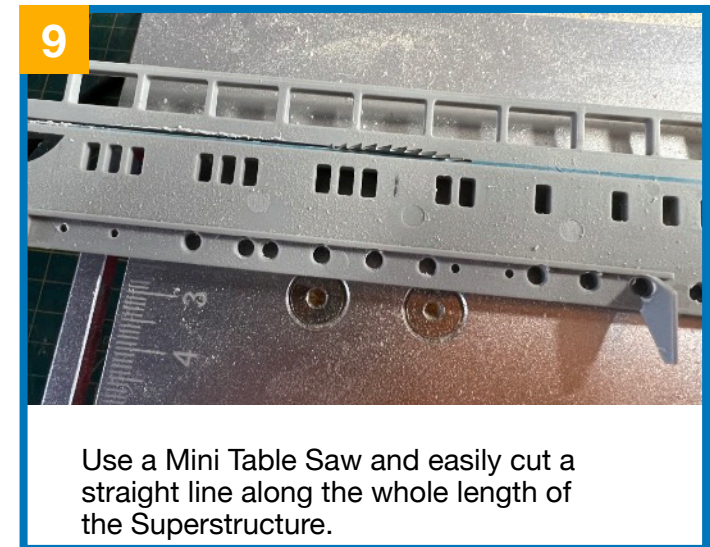
8



3mm
CUT

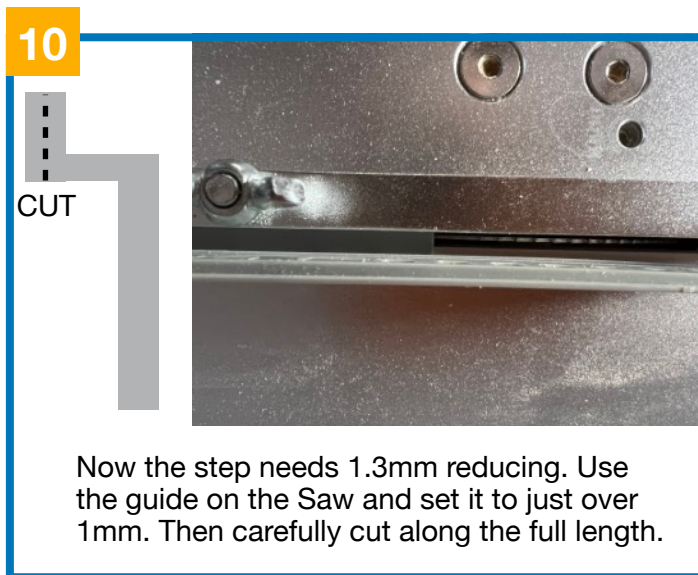
Use a fine point marker to draw a cut line.

9



Use a Mini Table Saw and easily cut a straight line along the whole length of the Superstructure.

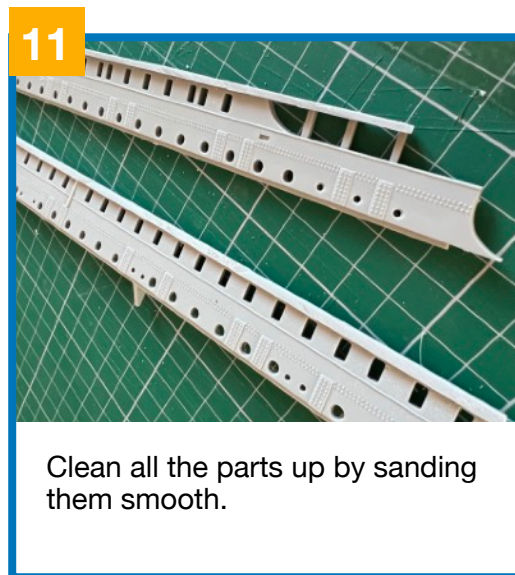
10



CUT

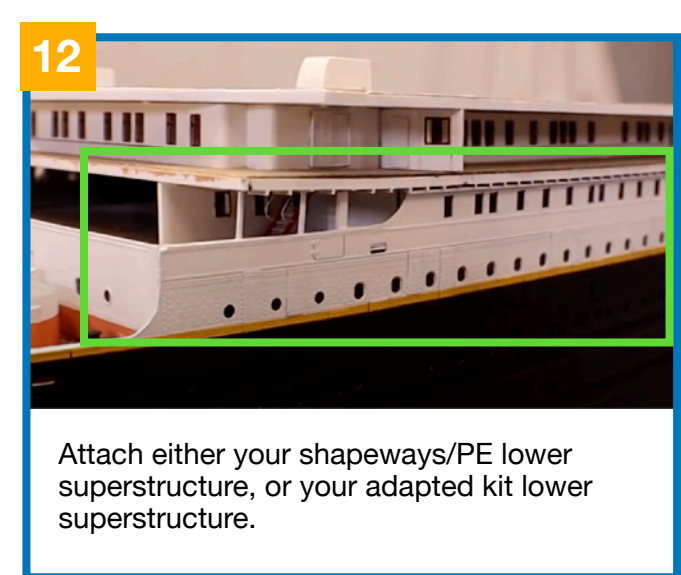
Now the step needs 1.3mm reducing. Use the guide on the Saw and set it to just over 1mm. Then carefully cut along the full length.

11



Clean all the parts up by sanding them smooth.

12

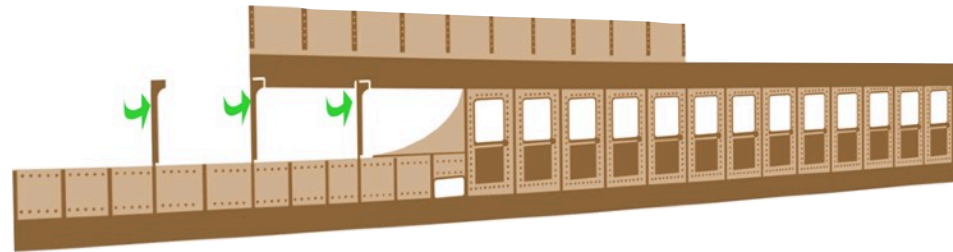


Attach either your shapeways/PE lower superstructure, or your adapted kit lower superstructure.

PREPARE THE PHOTO ETCH SUPERSTRUCTURE

13 PREPARING PARTS A3 & A4

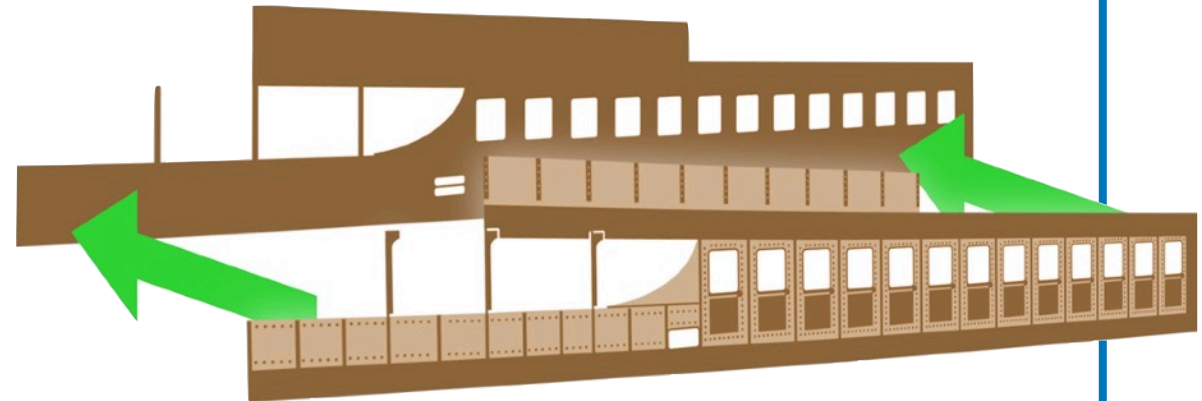
- As suggested at the beginning of these instructions; buff the inside edges to allow the glue to adhere better.
- Turn the vertical stanchions 90 degrees. These should join onto the beams once attached to the model.



14 GLUE TOGETHER PARTS A3 & A4

Glue these parts together by using a slow setting glue like E6000, this allows you time to easily and perfectly line them up and clamp them together.

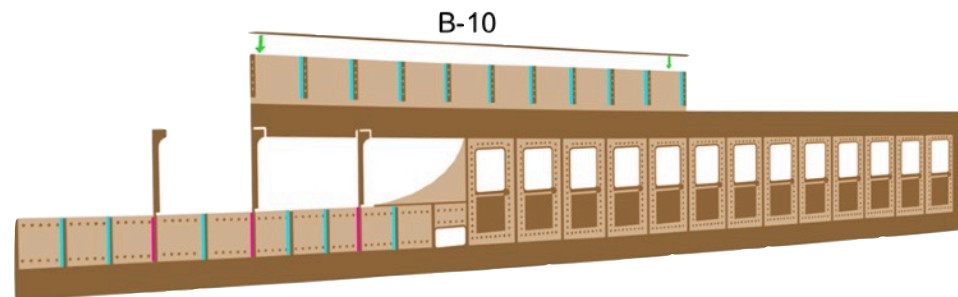
Then you can further add CA glue with an X-acto blade to close any gaps around the edges.



15 ADD EXTRA DETAIL TO THE INSIDE SECTIONS

Along the inside walls of the Promenade deck where 'L' shaped stiffeners.

- Glue these into place using the colour key to the right. The A-29 stiffeners are meant to butt up to the underside of the stanchions you rotated in step 13.
- Glue the B-10 handrail in place. I recommend doing this after painting all parts.

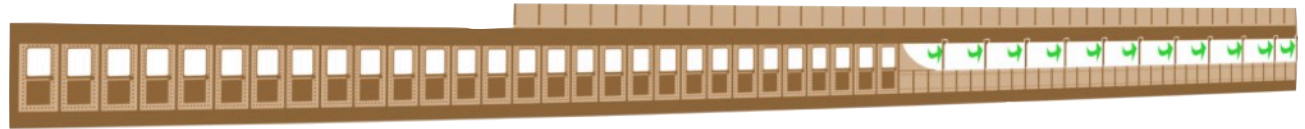


■ A-28 ■ A-29

16

PREPARING PARTS B6 & B7

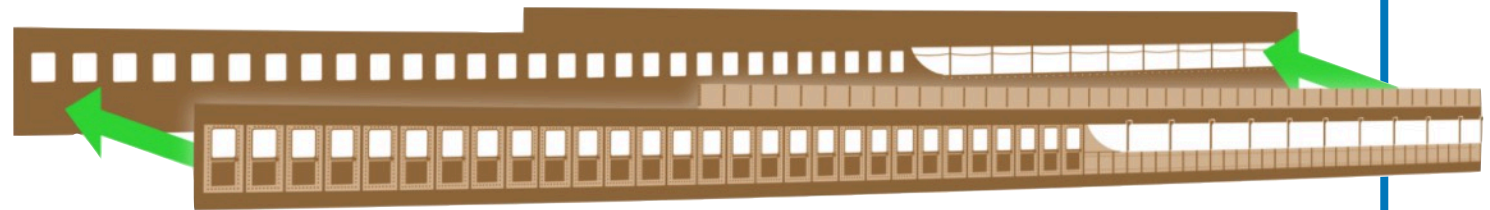
- Turn the vertical stanchions 90 degrees. These should join onto the beams once attached to the model.



17

GLUE PARTS B6 & B7 TOGETHER

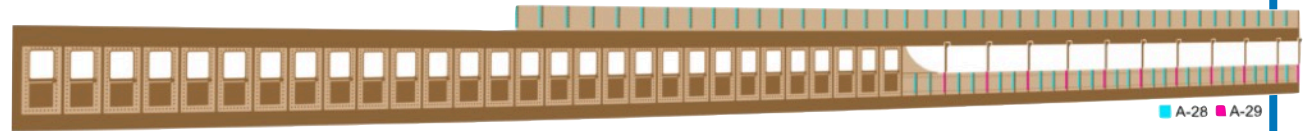
(As with previous steps)



18

ADD EXTRA DETAILS TO THE INSIDE SECTIONS

Add the A28 & A29 stiffeners
(As with previous steps)



19

ADD THE HANDRAIL

• Add the B9 handrail to the outer side. Do not worry if you bend this accidentally. Once glued into place it straightens out.

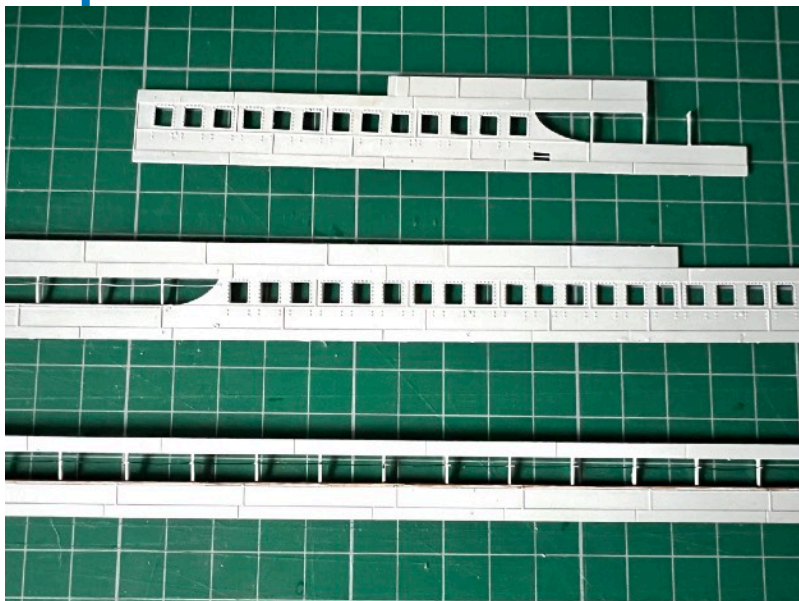
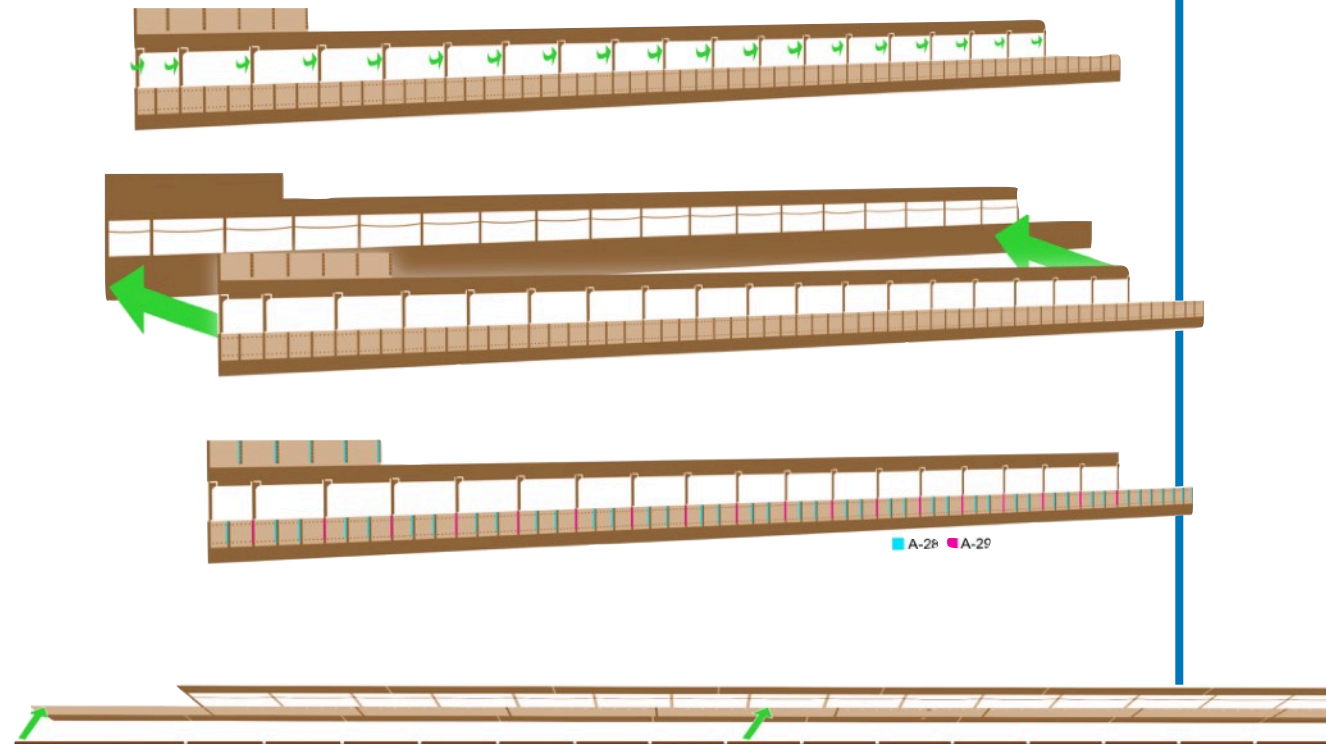
- I recommend attaching this AFTER painting all parts.



FOLLOWING THE SAME STEPS

Follow exactly the same steps you did with the previous page with the Aft portion of the superstructure (Stages 16 - 19)

THEN MIRROR THE SAME STEPS FOR THE 'PORT' SIDE OF THE SUPERSTRUCTURE.



ONCE ALL SECTIONS ARE ASSEMBLED. PAINT THE PARTS WITH AN AIRBRUSH

- I recommend using a metal primer prior to painting.
- Then paint your final chosen colour of white.
- Paint the Teak handrails brown then glue into place.

ADD THE SUPERSTRUCTURE TO YOUR MODEL

- I recommend dry fitting these parts before installing.
- Start with the forward sections. Attach with CA glue.
- Then repeat with the middle and Aft sections.
- The rear of the Aft section should finish perfectly inline with the rear of 'A' deck.

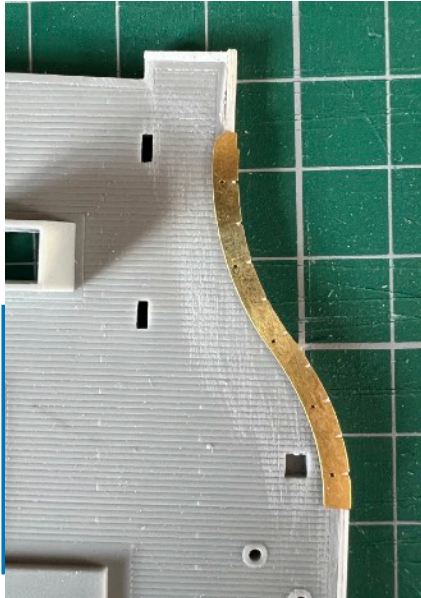
START POINT IS BUTT UP
TO THE BRIDGE WING



TOP EDGE MUST BE
LEVEL WITH BOAT DECK

THE BRIDGE

PREPARE THE KIT PARTS

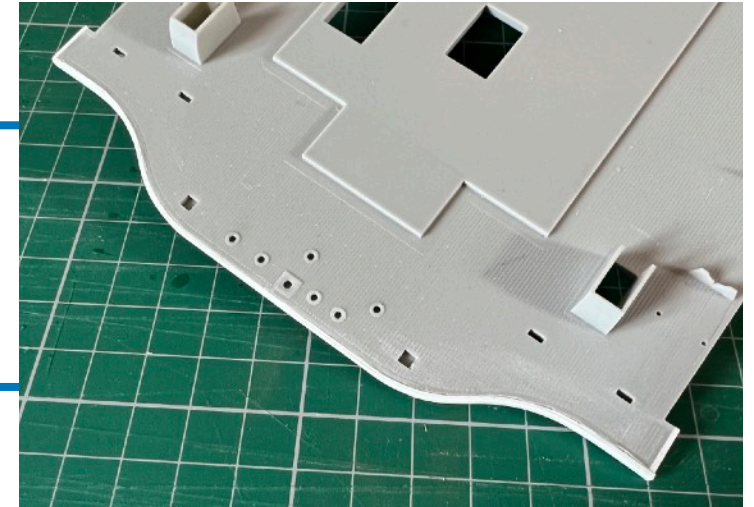


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PREPARE THE BOAT DECK

1mm of styrene must be added to the deck front and the bridge wing edges.

I recommend using 2 layers of 0.5mm styrene. This prevents the plastic 'bunching up' on the bends.



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ENSURE THAT THE CURVES MATCH THE INCLUDED TEAKWOOD STEP

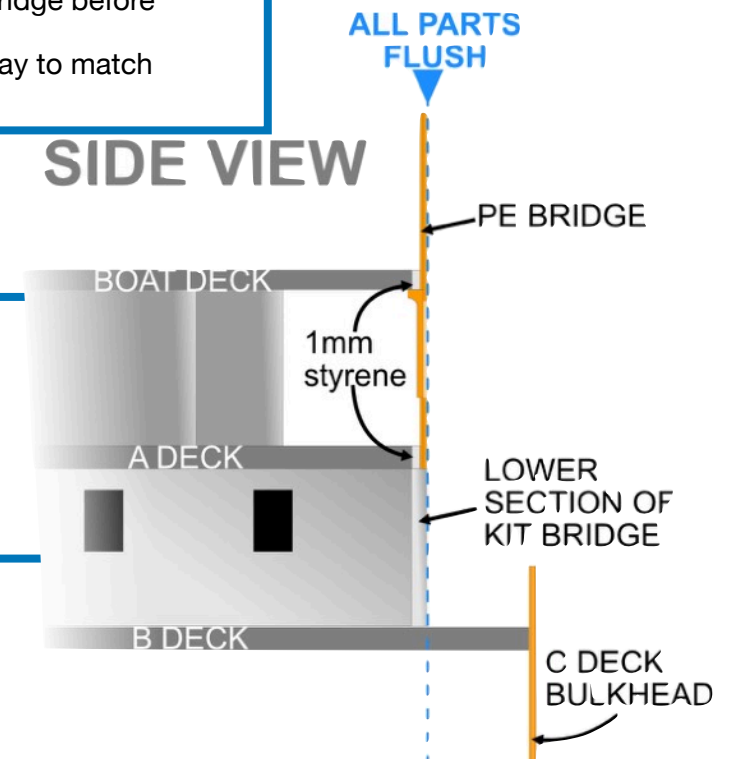
- As plastic is forced to bend it can create variations in thickness. It is important you check these fit correctly on the inside of the bridge before you shape the PE bridge pieces to the deck.
- You may need to carefully sand some of the styrene strip away to match this curve.

25

UTILISE THE LOWER SECTION OF THE KIT BRIDGE

- Cut the kit bridge at the level where it meets the PE. This measurement may slightly vary from kit to kit.
- Approximately 1mm of styrene will need adding to the front of 'A' deck so that the PE Bridge remains vertically plumb.

SIDE VIEW

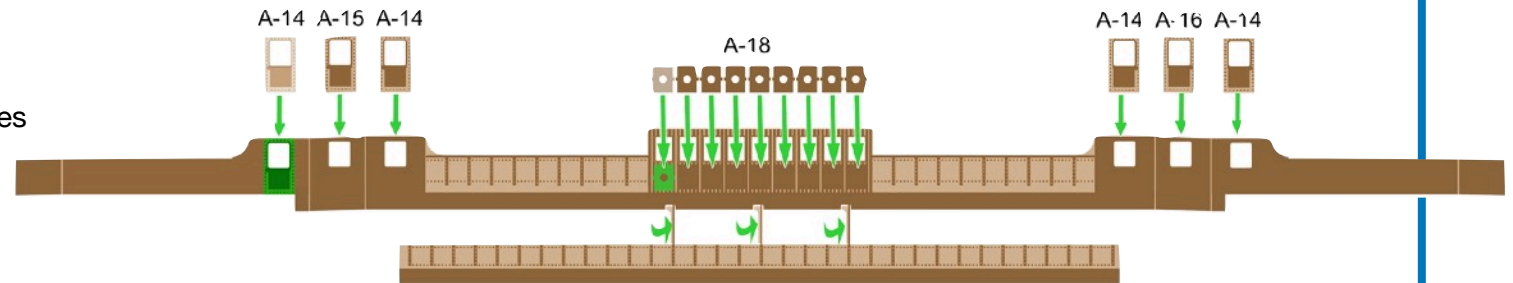


PREPARE THE PE PARTS

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PREPARE THE INSIDE PART OF THE BRIDGE (A17)

- Add the following details.
- Rotate the 3 stanchions 90 degrees

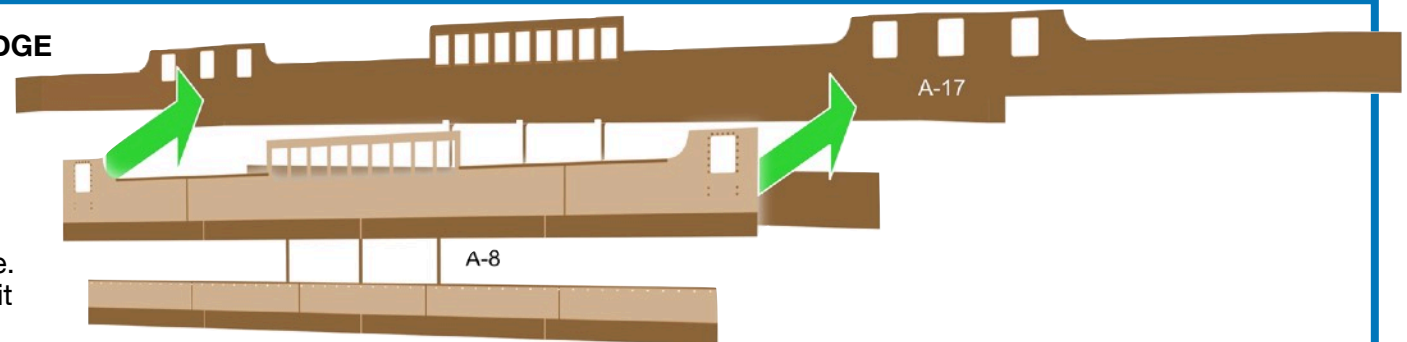


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ANEAL AND GLUE THE BRIDGE SECTIONS TOGETHER

I recommend 'annealing' the brass at the locations where it bends.

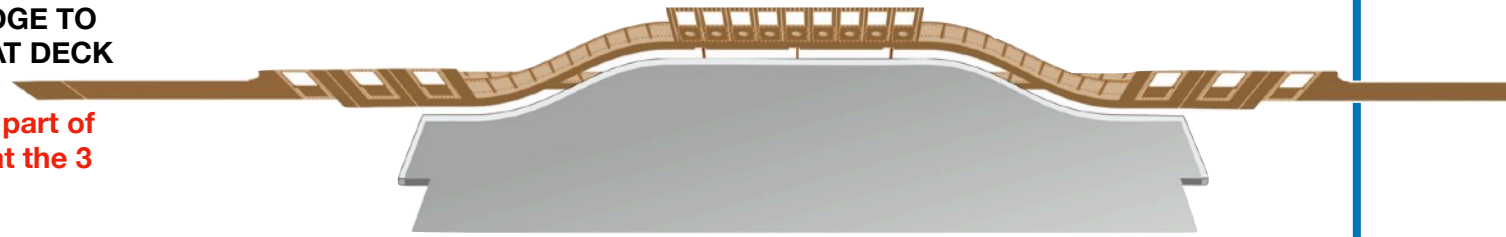
Then glue these together with E6000 glue. This glue is perfect for this part because it remains flexible after drying.



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CAREFULLY SHAPE THE BRIDGE TO FIT THE CURVES OF THE BOAT DECK

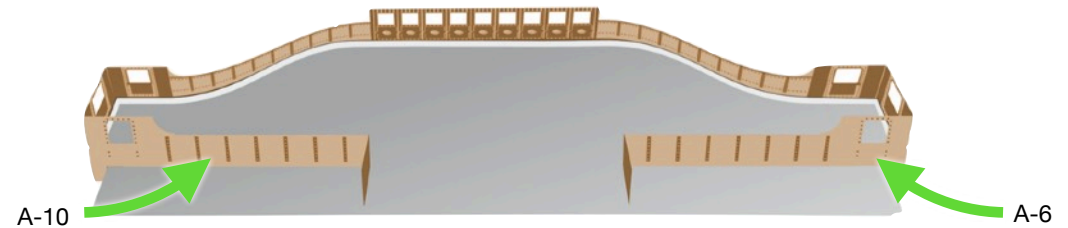
Be very careful with the lower part of the bridge as it is fairly weak at the 3 vertical stanchions.



29

FORM THE BRIDGE WINGS

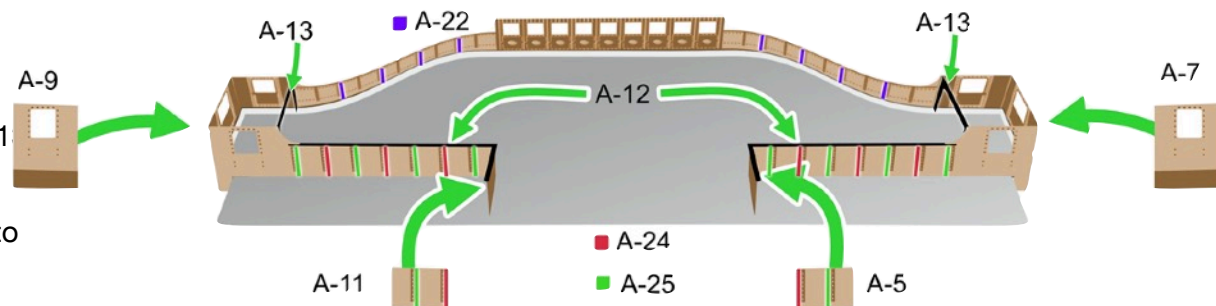
- At the scored bend locations, bend the rest of the bridge wings into the following shape.
- At the outer edges A10 & A6



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ADD THE DETAILS

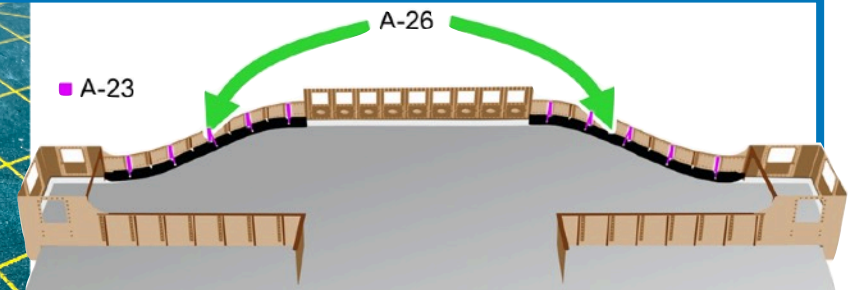
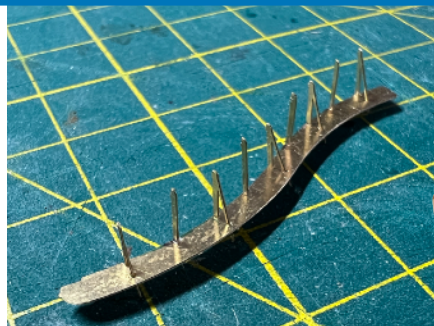
- Add the outer faces A9, A7, A11 & A5
 - Add the bridge wing strengtheners A1
 - Use the colour key to add stiffeners A22, A24 & A25
- (You may opt to add the A22 stiffeners to parts A26)



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ADD THE OFFICERS TEAKWOOD STEP

- I recommend fully assembling this before adding it to the bridge.
- The 'step A26' must rest on parts A22.
- The 'stays' of parts A23 slot through holes in part A26.
- Glue these in place after the bridge is attached.



FINISHING OFF!

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Once you are happy with how the PE Bridge attaches to the kit by dry fitting. Glue this iconic part of Titanic to your model. Then sit back and feel proud of your efforts ;-)

SPECIAL THANKS!

During the design and creation of these unique Photo Etch sets, I have received continued advice and support from Ben Konczal at his Midwest Model Shop. Thank you Ben for this and I look forward to working with you more in the future.

“Pressing on..”

Ben and Nora are creating some amazing Video tutorials of how to best install these PE sets. I strongly recommend subscribing to their YouTube channel as you will gain much greater insight. Along with many tips and tricks on how to best install these sets, and build your Titanic model.



NEED SUPPORT?

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Alternatively email me at:
woodysmodelworks@gmail.com

