

B DECK I-BEAM PHOTO ETCH SET FOR TRUMPETER 1/200 RMS TITANIC

SHEET D INSTRUCTION GUIDE

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

INTRODUCTION

I designed this I-beam Photo Etch set to help modellers accurately enhance the Trumpeter Titanic Kits B deck. These overhead beams can very easily be seen along the B-deck viewable areas. This set includes the Café Parisien's beautiful ornate ceiling, the Private Promenade ceilings and also the Bridge.

By using Photo Etched Brass it is possible to achieve a very accurate scale thickness and depth of each beam.

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There are different options to take depending if you are adding lights, and also if you are using the kit superstructure or the Shapeways 3D printed supports set.

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

The kit's Superstructure profiles can be used with this set. But some beams may not line up with the vertical supports. There is also some modifications to make to these kit parts when using this set. I recommend using a PE Superstructure set (Sheet A & B) with this I-beam set for best, most accurate results.

ESSENTIAL TOOLS REQUIRED:

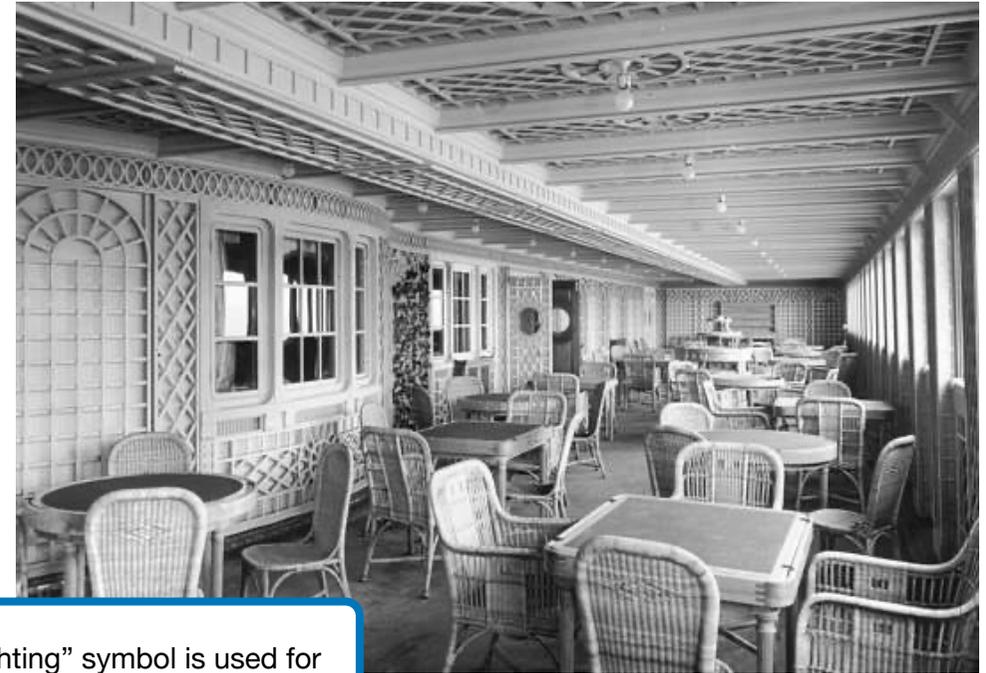
- An X-Acto knife with plenty of new blades
- Diamond files
- Adhesive (Slow setting CA and/or E6000)
- PE Cutting surface

IF LIGHTING:

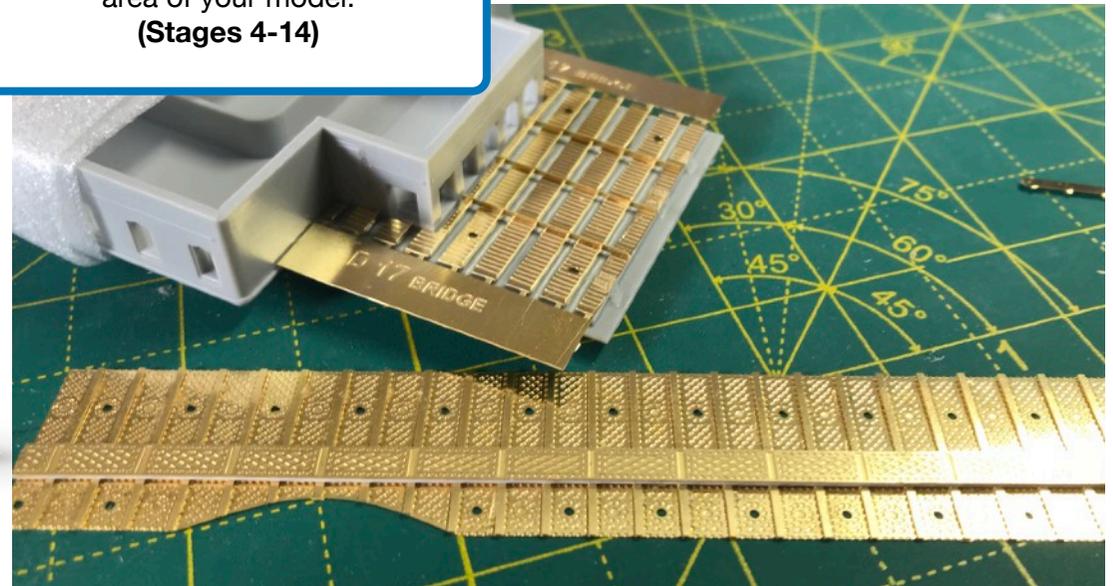
- Round nose Pliers
- Battery Operated Rotary Tool
- 5 in 1 Model Scribes Gundam Resin Cutting Tool



OPTIONAL ADDITIONAL TOOLS MAY BE SUGGESTED FURTHER IN THIS GUIDE.



This "Lighting" symbol is used for the optional stages for a recommended way of lighting this area of your model. (Stages 4-14)



PREPARE THE KIT DECK

B DECK CEILING

This I-beam set works in the same principle as the Sheet C I-beam set.

Prep the Kit deck > add lighting > Prep the PE sections > Glue to deck.

But with there been much smaller area's which a viewable on this deck. It is much simpler to do. So it serves as good practice before you work on the Promenade deck beams. Which span the whole deck.

Use this diagram to locate where all the PE parts are intended to be positioned on the deck. A larger version of this image will also be available to download.

1

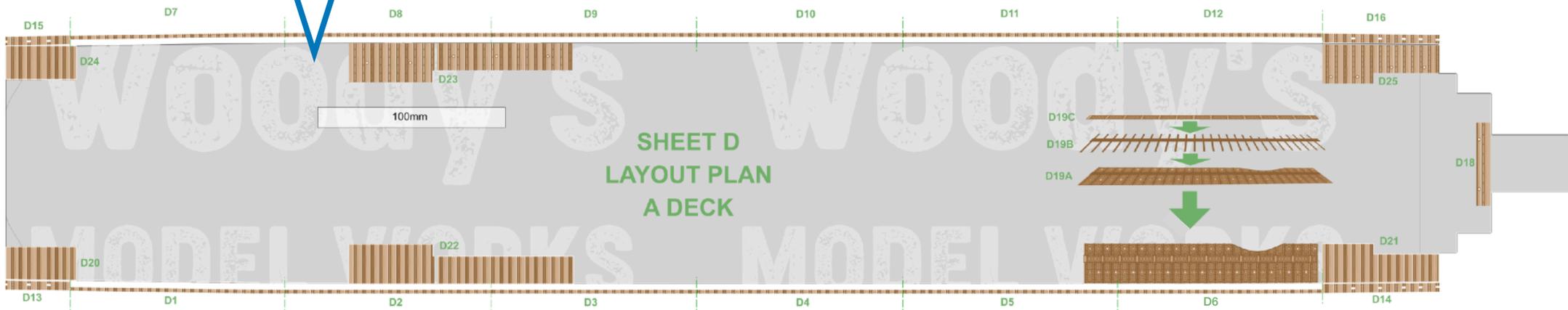
- Use the diagram below and the other kit decks to accurately position each ceiling piece.
- Then draw around parts D18 - D25 so you can prep the deck at these locations.

2



Add filler to the low areas.

Then sand again with a fine grade sandpaper to ensure the deck is flat and smooth.



PREPARING THE DECK FOR LIGHTING



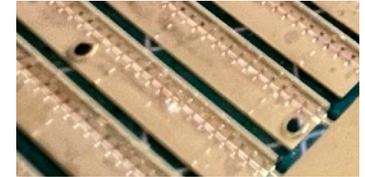
4

If you want to accurately light your Promenade deck, these following steps will guide you through the method that I recommend.

This I-beam set includes all of the light locations accurately positioned on each PE section. These are 1mm holes in the brass.

This guide uses 1mm Fibre Optics strands. However, if you want your lights to be brighter, you could also use Nano LED's. However, I believe Fibre Optics is much easier to install and also provides a subtle amount of light.

PLEASE NOTE: When cutting channels in your deck, you carry the risk of cutting too deep. This can now be seen on the Boat deck side.



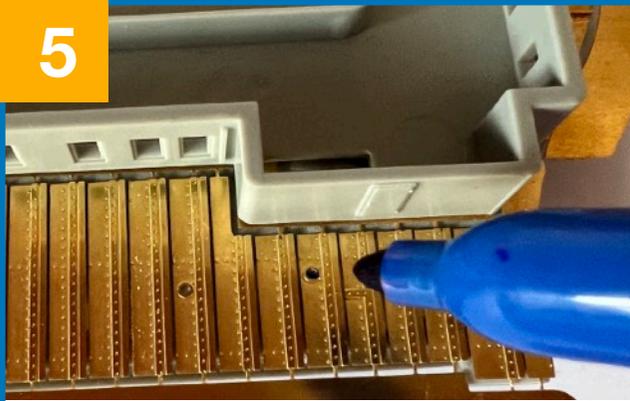
For this reason a wood deck must be used to hide any damage and possible light leaks.



1. Now accurately position all of the main I-beam sections shown above.
2. I recommend sticking them down with masking tape to prevent movement.

TAKE EXTREME CARE WHEN HANDLING THE PE PARTS!

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1. Using a Sharpie, mark all of the light locations.
2. Then carefully remove all the PE beam sections

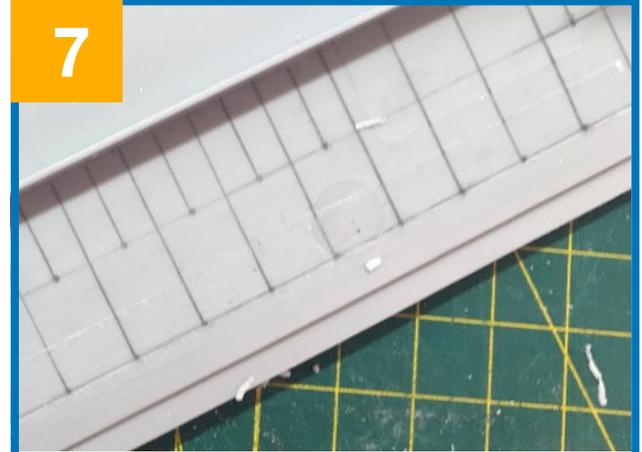
6



TOOLS USED

- Battery Operated Rotary Tool
- 5 in 1 Model Scribes Gundam Resin Cutting Tool

7



Mark lines from lighting position towards the central area of the deck.

8



Drill through the LED strip wall with a 1mm drill bitt.

9



Using the 1mm Scribing tool and a metal ruler, cut channel along your marked lines

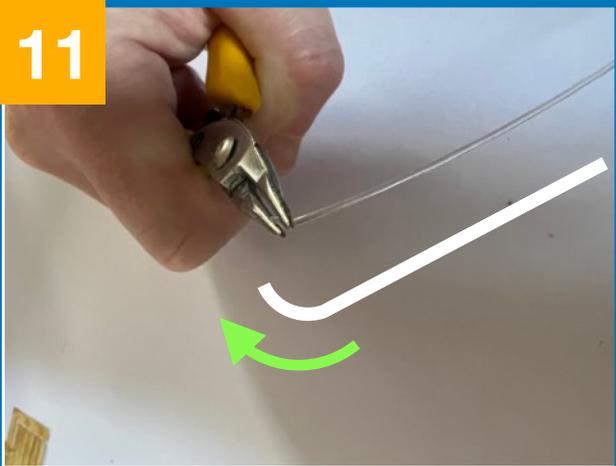
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To provide finer adjustment of the light output location, you may want to use the Rotary tool to make a wider hole.

PREPARING AND ADDING THE FIBRE OPTIC STRANDS

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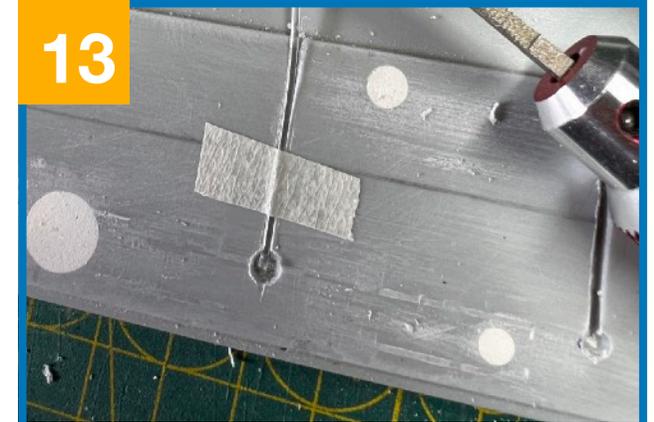
Using Round Nose Model Pliers, create a 90 degree bend at the end of the Fibre strand.

12



With a sharp blade, trim the end to the correct length.

13



1. Test fit the strands in the channels.
2. Then glue into place with CA glue or UV resin glue.

14



Reposition test fit the PE I-beam sections and test your lights.

Some of the images used in these instructions are actually of Sheet C parts where ever the method is exactly the same.

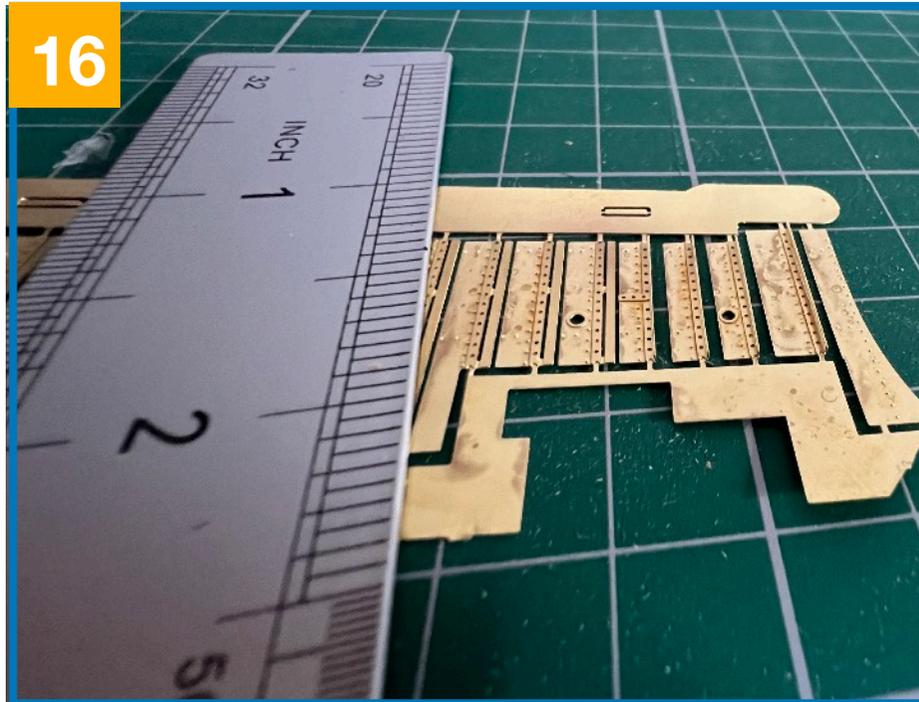
PREPARING THE I-BEAM SECTIONS



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Use a metal ruler and a flat scalpel blade, lift each beam 90 degrees.

TIP: Use a Stanley blade for the wider beams.



16

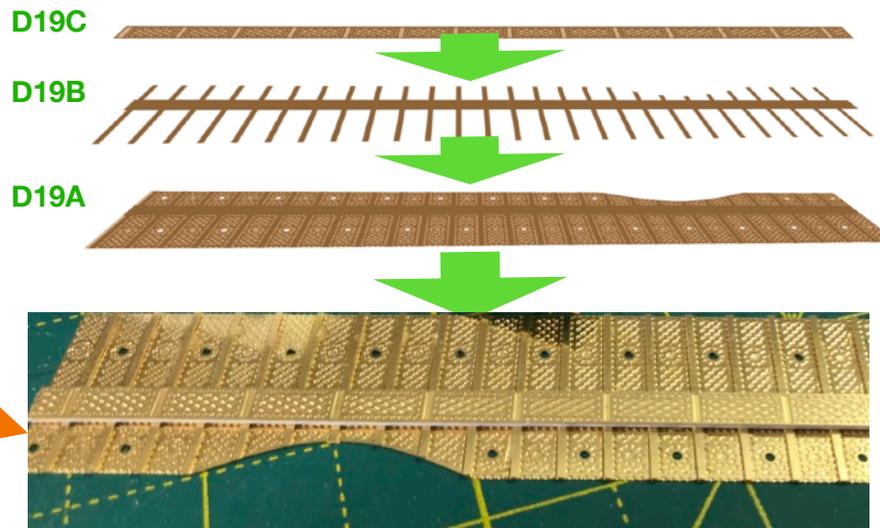
1. Work from Bow towards the Stern.
2. Be extremely careful as the beams are very delicate.

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Café Parisien

• 3 layers of PE create the Café Parisien ornate ceiling.

- Buff the parts that make contact with each other. Including the underside of part D19A.
- To create extra depth of part D19C. You may want to add a strip of 1mm styrene.
- Glue the parts together with E6000 glue if you want much longer drying time for ease when aligning the parts together.



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Now you should be ready to glue parts D18 - D25 to the deck.

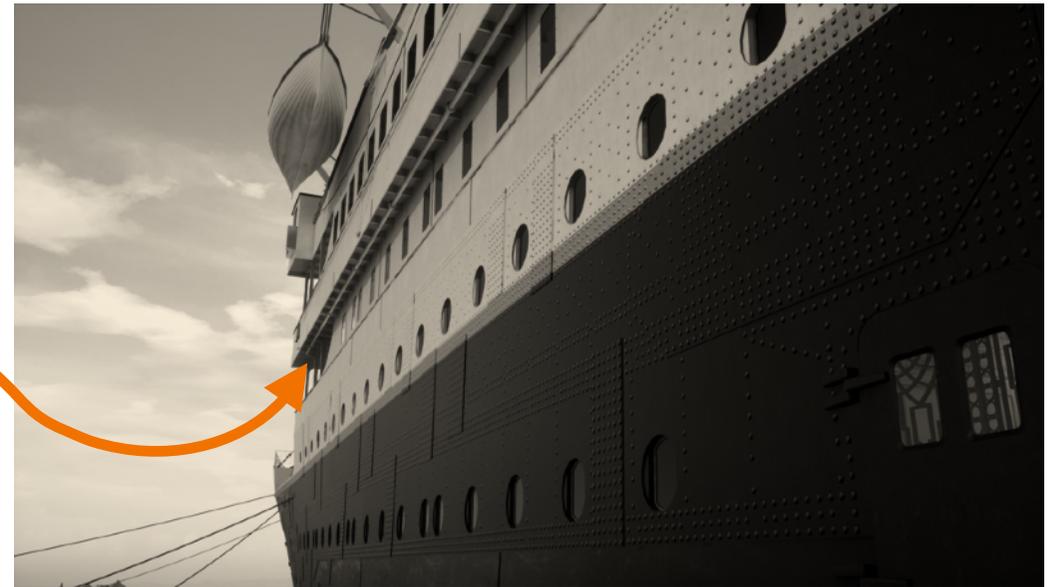
All ceilings and beams should be painted white.

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If you are using the Shapeways 3D printed superstructure supports. Then you can skip this step.

But if you plan to retain the lower portion of the kit superstructure. Then Sheet D includes thin sections of i-beams for here:

Use the plan on page 3 to locate where parts D1 - D16 attach to your superstructure parts.

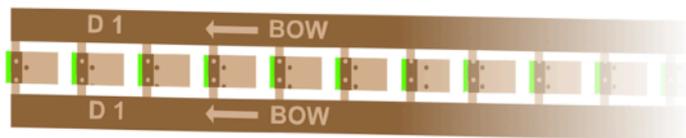


20

- I recommend starting with the bow pieces and then working towards the aft.
- To prepare each part follow these steps:
- Cut the part from the fret.



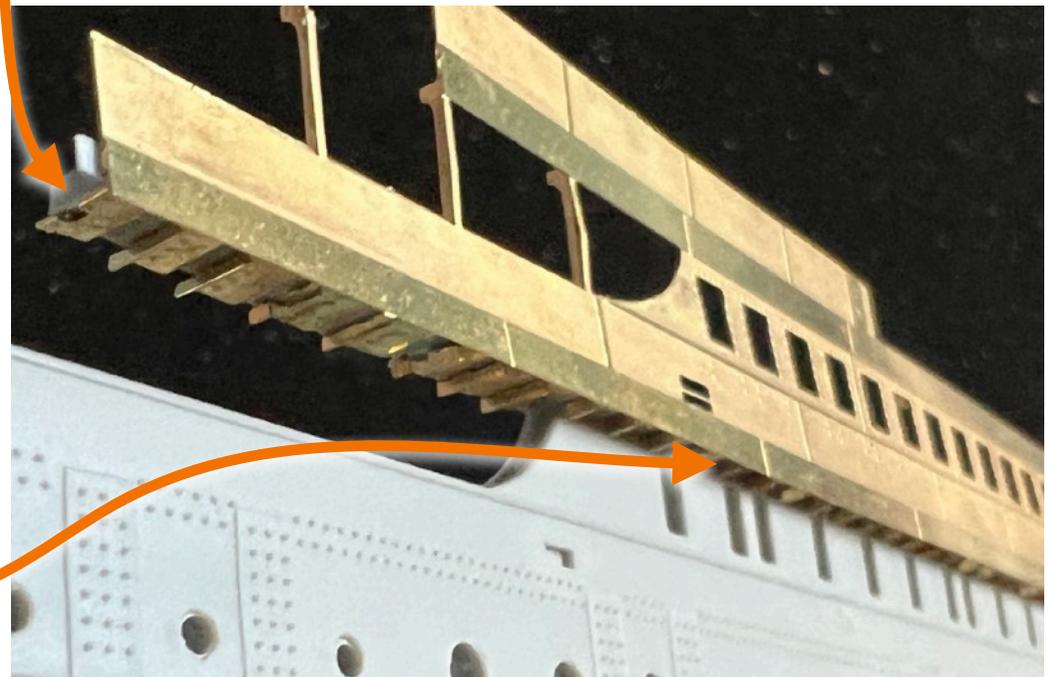
- Fold up the beams 90 degrees.



- Carefully cut the inside support sprue from the beams.



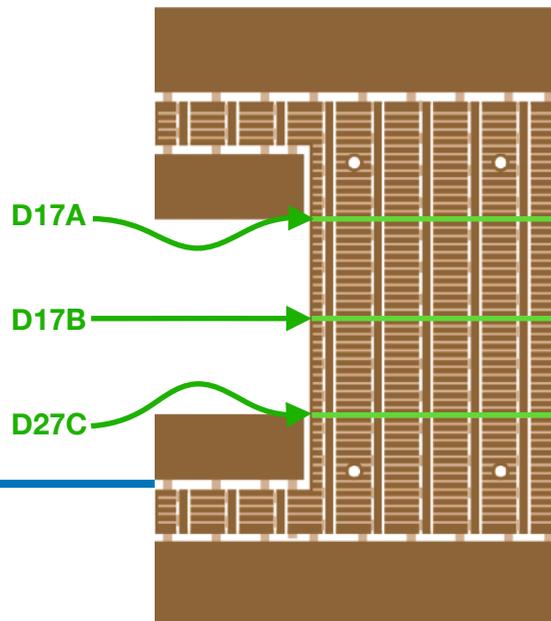
- Now it is ready to be glued to the superstructure.



THE BRIDGE CEILING

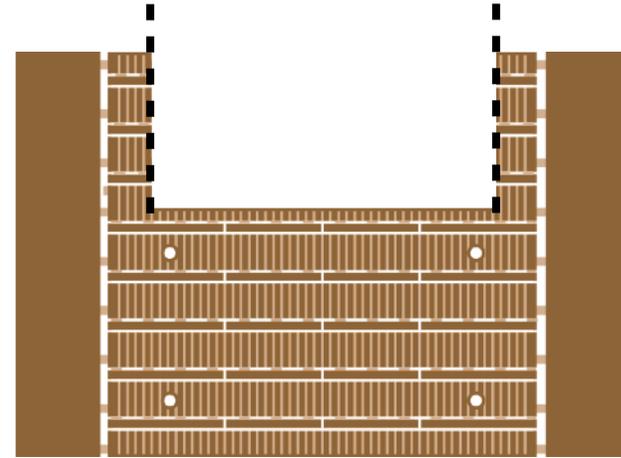
21

- Take the bridge piece D17 and fold up the beams. Take extra care handling the smaller ones.
- Then glue into place the 3 cross-beams. D17A, D17B, D17C



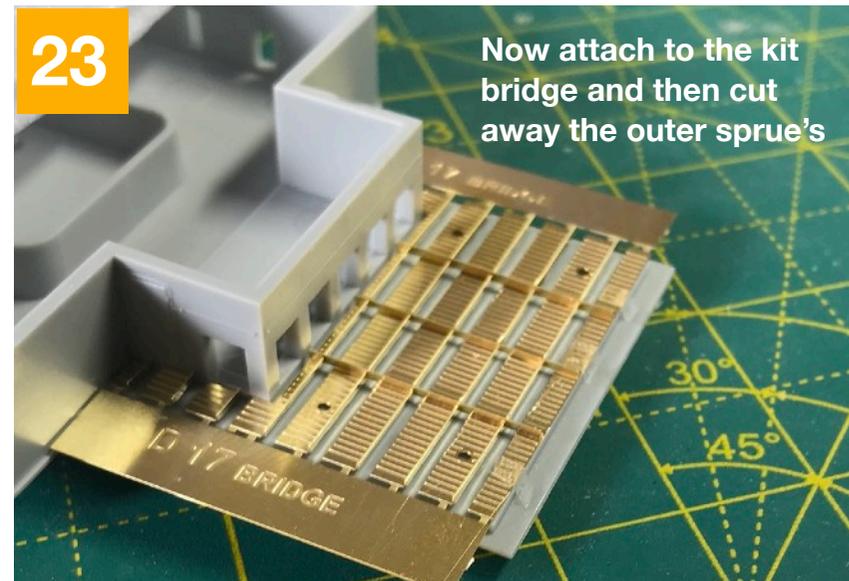
22

Cut away the inner support sprue's



23

Now attach to the kit bridge and then cut away the outer sprue's



FINISHING OFF!

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PAINTING

1. Use Blu-Tak to cover the Light locations
2. I recommend using a metal primer before painting.
3. Airbrush the whole ceiling in matte White.
4. Hand paint the Light rims Black.

Ben and Nora's Midwest Model Shop YouTube channel is another excellent resource for help and advice for installing all of Woody's Model Works Titanic Photo etch sets.



NEED SUPPORT?

Seek support and advice in our Facebook support group. Search for WOODYS MODEL WORKS SUPPORT GROUP

Alternatively email me at:
woodysmodelworks@gmail.com

