

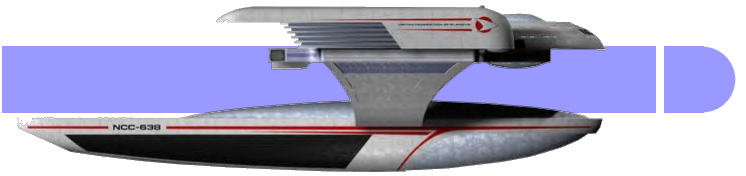
**1/350 scale U.S.S. GRISSOM
Panel Masking and Paint Guide Kit (KIT9)**

Installation Guide

by

MaskDesign

1/350 scale USS GRISSOM panel masking kit



Congratulations! You are about to embark on mission to take your ship to the next level. 'To Boldly Go Where No mask kit has gone before'. To create as close as possible the look of the Movie model of the U.S.S. GRISSOM as seen in Star Trek III: The Search for Spock.

This kit includes some tricks, starting points and online links to application videos to help guide you through your Aztec pattern experience.

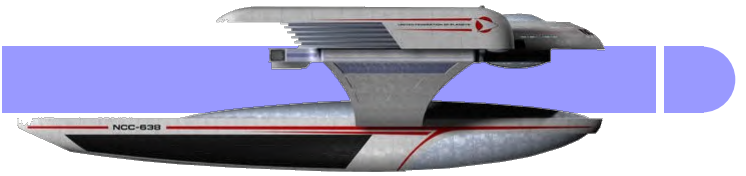
Hundreds and hundreds of hours have been spent in design, research and testing to creating the best and most accurate mask kit available today.

Take time to study the mask sheets and instructions before you start as great care was taken in doing the masks for first timers. Please take your time as you can accidentally remove smaller pieces when you are doing the weeding process without knowing it. Weeding is the 'term' for removing unwanted area of vinyl from the sheet.

The most important and time consuming job in the masking process is the base painting of the model. This step is critical for this kit to work successfully and give you the effect you are looking for without the disappointment of paint coming off when the masking is removed. Make sure the base paint has cured fully and is very smooth in order for the effect of the Aztec to work, extra precautions to be used if lacquer based primers are used as the fumes will melt the glues on the masking . Paint and masking tests with spare vinyl will give you the comfort level when it is time to move to the main model (test, test, and retest). Even though a high end, low tack vinyl that leaves no residue behind was used in this kit, care should be taken on removal of the masks. Take your time and remove slowly so not to lift base paint from the model and the result will be worth it.

Big thanks to talented Hagen Miller for his help on some of the paint mixtures in creating this look for the model.

1/350 scale USS GRISSOM panel masking kit



If you have any questions or comments, good or bad please do not hesitate to contact us a maskdesign@shaw.ca

NOTE:

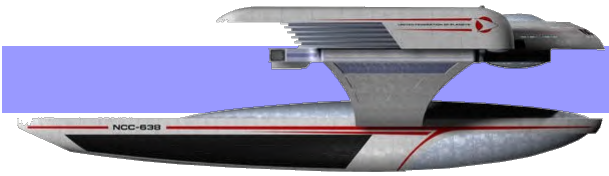
You might notice some sheets in the kits are made of different material than shown in the application videos this is because as better material becomes available we will be introducing it in the kits. We will strive to supply you with the BEST material and information we can at the time of shipping.

As with all vinyls on the market the longer the vinyl is left on the stronger the hold to the product. After 24 hours you will need to work carefully as not to remove base paint from the model. **As an added precaution only mask areas that you can start and finish in one day.** Also almost all of the vinyl for masking on the market today is designed for water based paint. If you are planning on use lacquer paints make sure you do tests to see how the masking reacts to the lacquer before moving to the main model. Light coats may be required.

This Kit includes

- 5 - Assorted mask sheets
- 4 – 8"x11" clear transfer sheets
- 25 - page electronic instruction guide will be emailed to you
or you can download it from the 'files' tab on the Facebook page
- The MaskDesign application tool

1/350 scale USS GRISSOM panel masking kit



Masking sheet numbers and description

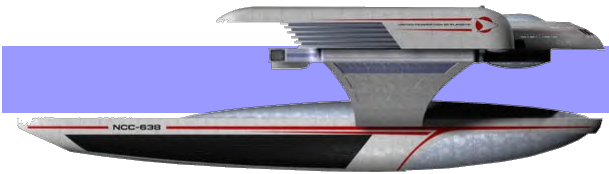
- Sheet 1 –Secondary hull topside aft
- Sheet 2 - Main saucer section bottom port and starboard
- Sheet 3 - Pylons and secondary hull forward belly
- Sheet 4 - Main saucer top section port and starboard
- Sheet 5 –Nacelles and miscellaneous paint masking

Paint used on this model on videos

- Rust-Oleum 2X Matte or Flat white primer
- Craftsmart – White or any other craft white paint
- Craftsmart – Stormy Gray #371080
- Craftsmart – Silver #402494
- Craftsmart – Deep Gray #514657
- DecoArt – Dolphin Satin #DA537
- DecoArt – Moody Blue #DA389
- DecoArt – Slate Blue #1200601
- FolkArt– Windsor Blue #2429
- DecoArt – Sea Glass #DA297
- DecoArt – Pewter Satin #569
- Ceramcoat – Blue Heaven #02037



1/350 scale USS GRISSOM panel masking kit



LT. BLUE mixture

7 drops—DecoArt – Slate Blue #1200601
2 drops—DecoArt – Dolphin Satin #DA537
8 drops -DecoArt – White

LT. BLUE 2 mixture

7 drops—DecoArt – Slate Blue #1200601
2 drops—DecoArt – Dolphin Satin #DA537
10 drops -DecoArt – White

POWDER BLUE mixture

2 drops—Ceramcoat – Blue Heaven #02037
4 drops—DecoArt – Sea Glass #DA297
9 drops -DecoArt – White

DARK BLUE mixture

7 drops—DecoArt – Slate Blue #1200601
2 drops—DecoArt – Dolphin Satin #DA537
5 drops -DecoArt – White

DARK BLUE #2 mixture (saucer edge)

2 drops—FolkArt – Windsor Blue #2429
1 drop—Craftsmart – Stormy Gray

GREEN BLUE mixture (saucer panels)

4 drops—DecoArt – Moody Blue #DA389
2 drops—DecoArt – Dolphin Satin #DA537

LT. GREY mixture

2 drops—DecoArt – Dolphin Satin #DA537
1 drop—Ceramcoat – Blue Heaven #02037
12 drops -DecoArt – White

LT. GREY 2 mixture

2 drops—DecoArt – Dolphin Satin #DA537
1 drop—Ceramcoat – Blue Heaven #02037
15 drops -DecoArt – White

Also check out our application videos on  YouTube

Video 1


Application Video #1 – main saucer section top and bottom

Video 2

Application Video #2 – secondary hull and nacelles

Video 3

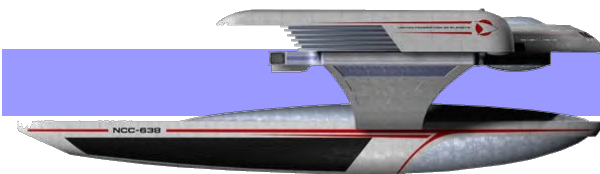
Application Video #3 – secondary hull and miscellaneous masking

Follow the group builds on  tips, trick, comments and concerns along with any kit updates and video links

[Aztec Masking kit by MaskDesign](#)

MaskDesign

1/350 scale USS GRISSOM panel masking kit



Some painting steps that might help you through the build

STEP #6

After the Aztecing, decals and detailing is completely dry apply clear coat of your choice.

STEP #5

After the Aztecing is completed you can do any decals or detail paint work.

STEP #4

After white base coat has completely dried for at least 5-7 days. You can now apply the Aztec masking. Start working on small areas till your comfort level increases with the masking and painting procedure. Then you can move to areas that can be completed in one day. Use only light coats of the pearl or shimmering paint to avoid paint build up or paint bleed. We found that the acrylic artist inks from Daler Rowney work the best for us. (Shimmering blue, red, green and gold)

NOTE: vinyl has 100% adhesion strength in 24 hours, which is not good if you are planning on removing it. So only work on what you can finish in one day.

You can use a hairdryer to soften the vinyl and the glue which will help removal in troubled areas with lifting. If any residual glue remains on the model it can be removed with WD-40, but you will need to clean the area after thoroughly before preceding with masking and/or painting.

STEP #3

Apply one or two light coats of Rust-oleum Ultra Cover white primer (mat or flat finish) This is what we have found in our research works the best for us.

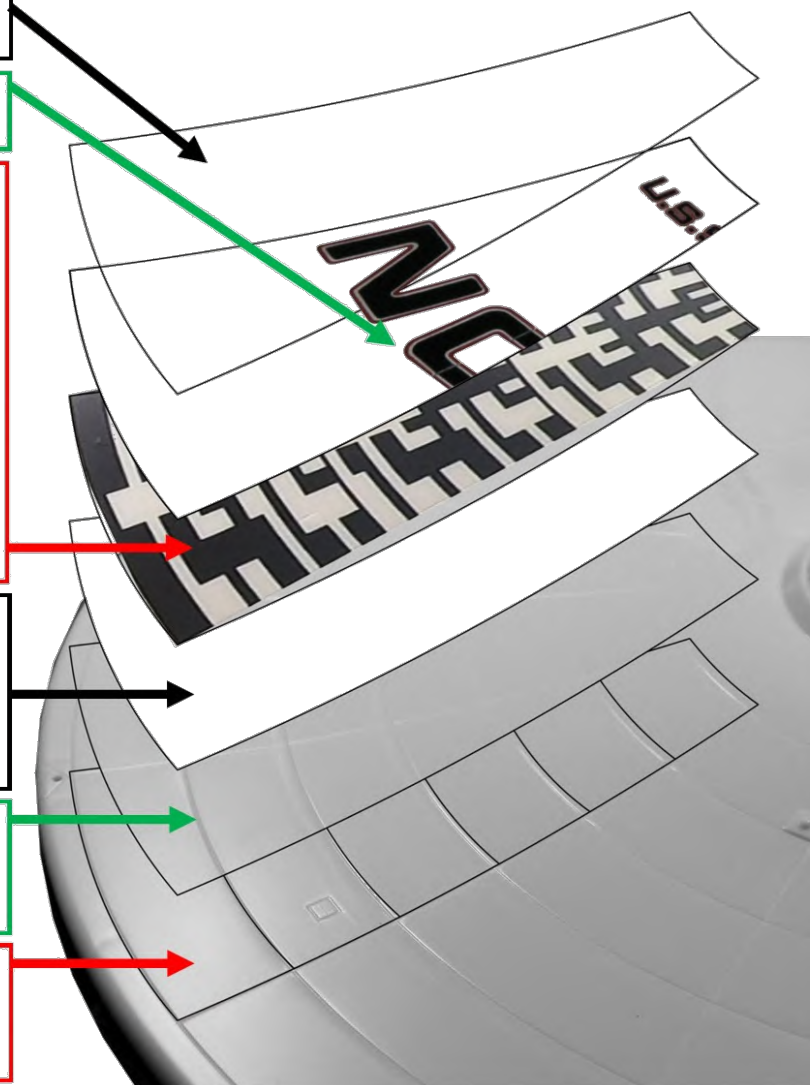
NOTE: If you choose to use another base coat you will need to test, test and re-test on spare parts to see if you have any paint lift before proceeding to the main model. Do not sand.

STEP #2

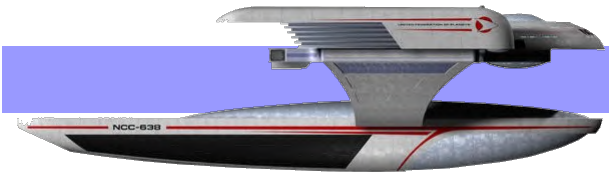
Once parts are completely dry apply one light coat of a spray adhesion promoter. And allow to dry for at least 1 hour or whatever the instructions on the can recommended. Do not sand.

STEP #1

Wash all parts in water and dish soap till the part is literally squeaky clean. This part is very important to remove any mould release oils used in the model making operation.

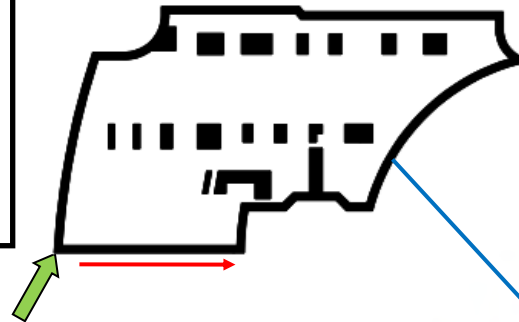


Topside main hull aft paneling steps



Step #1

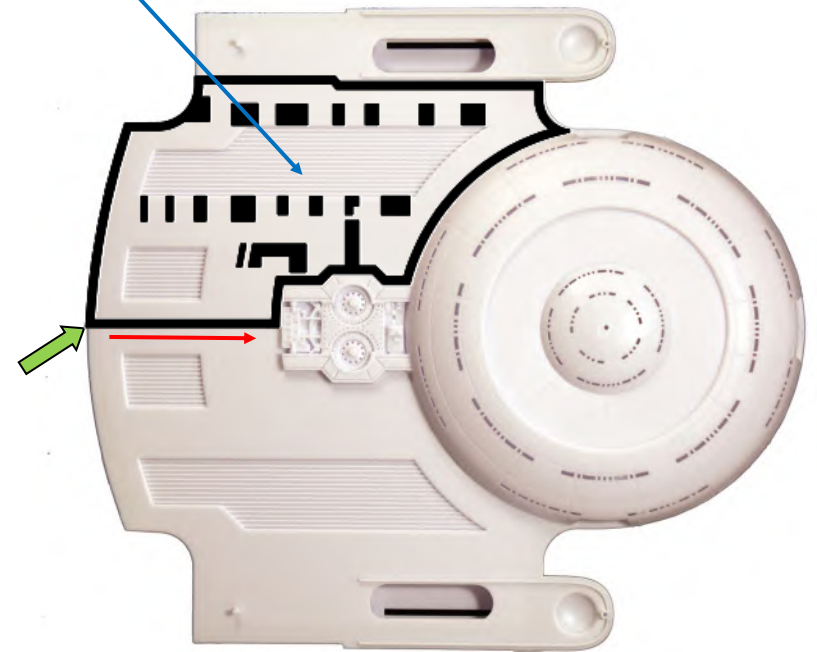
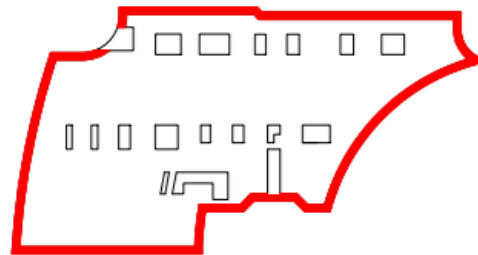
Cut out both port and starboard topside sections from sheet 4. Weed masking leaving only the areas shown in **BLACK**. Cut a piece of clear transfer film, remove paper backing and place it over masking. Use MaskDesign plastic card and rub (burnish) the clear onto the masking. Turn the sheet over so that the clear is face down, and roll paper backing off on a 45 degree angle to the masking. Now you are ready to apply. Draw a light pencil center line on the hull and starting the mask at the **GREEN** arrow and moving toward the **RED** arrows. Rub the masking down with either your fingers or with MaskDesign plastic card. Pull the clear film off again in a 45 degree angle leaving the **BLACK** masking behind. Do this for both port and starboard sides.



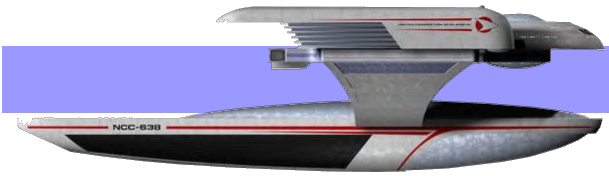
Step #2

Remove **only** the **RED** masking as shown from step #1 leaving the rest of the masking in place as this masking was for alignment only and is no longer needed.

Paint entire section with 2 coats of **LT. BLUE**



Topside main hull aft paneling steps



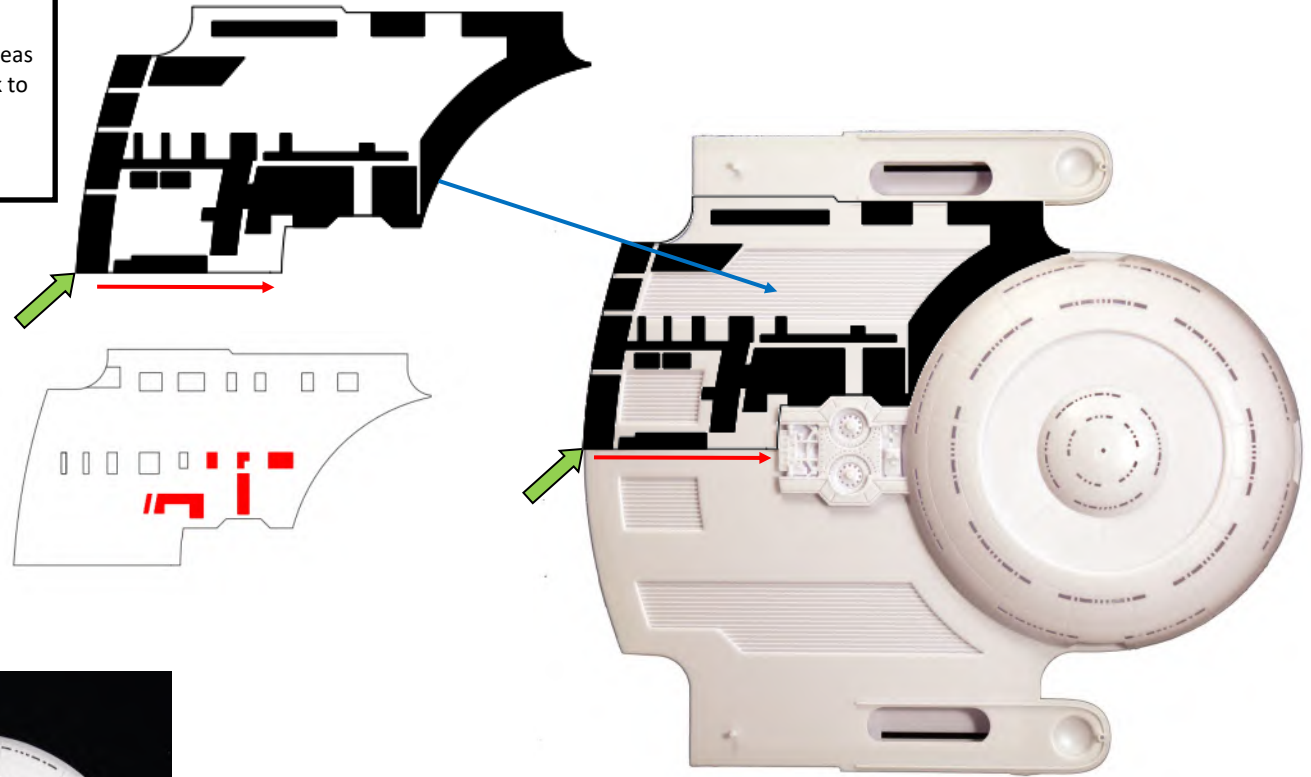
Step #3

Weed masking from sections from sheet 4 leaving only the areas shown in **BLACK**. Apply clear transfer film and apply the mask to the model.

Paint 2 light coats of **DK. BLUE** over the entire section.

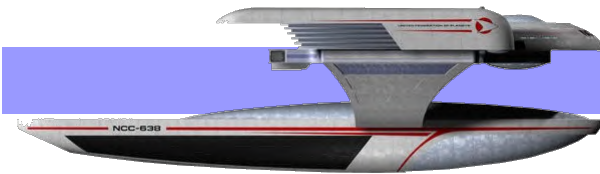
Step #4

Remove all masking except sections that are in **RED** and paint with 2 coats of wash.



Painted sample

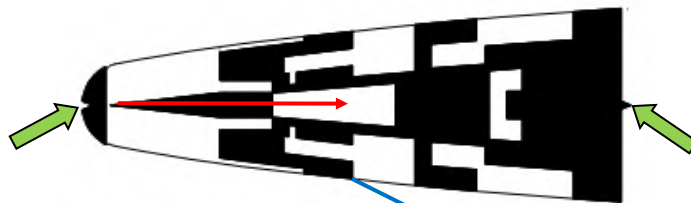
Topside secondary hull aft paneling steps



Step #1

Cut section from sheet 1. Weed masking leaving only the areas shown in **BLACK**. Apply clear transfer film and apply the mask to the model. Use provide notches on the masking for centering on the hull. Remove Aft section with notch after mask is applied.

Paint 2 light coats of **LT.BLUE** paint over the open areas.



Step #2

Remove masking step #1. Weed next section as shown from sheet 1 and apply to model. The small piece of masking on the left is for alignment of masking only and can be removed after mask has been applied.

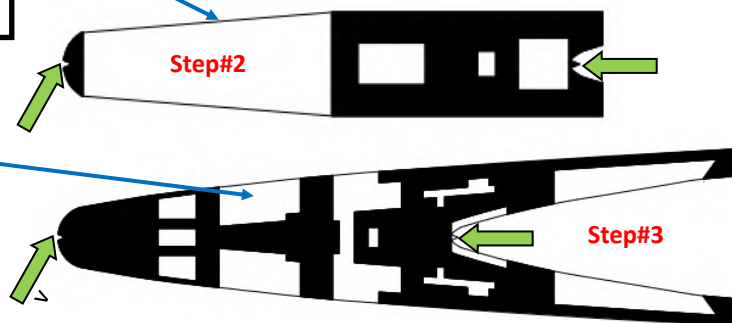
Paint the 3 squares on the right side with 2 light coats of **MEDIUM BLUE**.



Step #3

Remove masking step #2. Weed next section as shown from sheet 1 and apply to model.

Paint 2 coats of **DARK BLUE**.

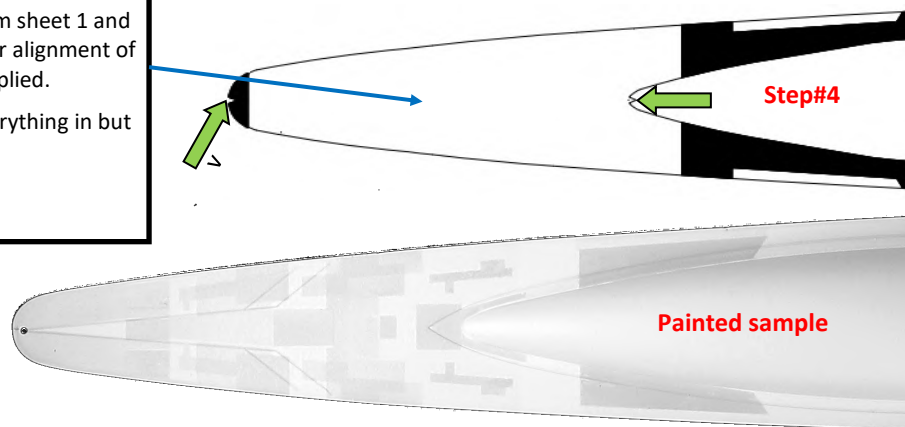


Step #4

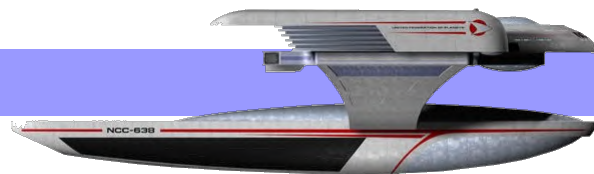
Remove masking step #3. Weed next section as shown from sheet 1 and apply to model. The small piece of masking on the left is for alignment of masking only and can be removed after mask has been applied.

Paint the entire area with 2 coats of wash just to blend everything in but still able to see the difference between and the patterns.

1-part **LT. BLUE** and 2-parts thinner.



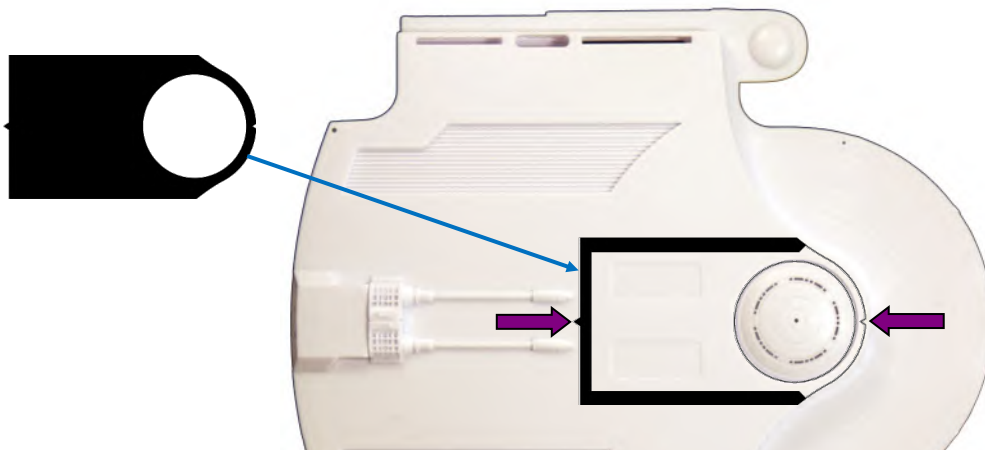
Bottomside main hull paneling steps



Step #1

Cut section from sheet 2. **DO NOT** weed except for center circle. Place a pencil mark on the center of the hull at **these** locations for alignment of mask. Apply clear transfer film and cutout the clear circle before applying to model. Use notches on masking to align with pencil marks on hull. Once applied remove **BLACK** center masking as shown on model as this piece is only use for alignment leaving outer mask.

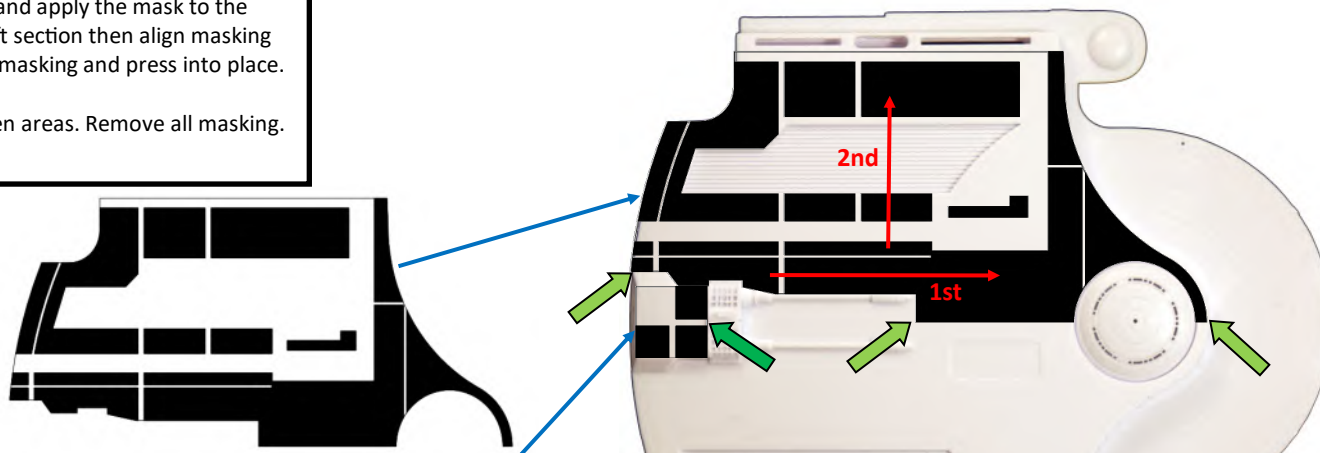
Paint 2 coats of **LT. BLUE 2** paint over center section and around the froward dome. Don't worry about paint getting on the dome as it will be painted it silver later. Remove the masking.



Step #2

Cut sections from sheet 2 (port and starboard). Weed masking leaving only the areas shown in **BLACK**. Apply clear transfer film and apply the mask to the model over masking from step #1. Start at the aft section then align masking with notches and pencil marks from the step #1 masking and press into place.

Paint 2 light coats of **LT. BLUE** paint over the open areas. Remove all masking.

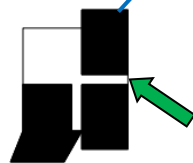


Painted sample

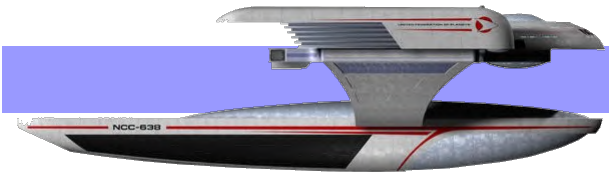


Cut section from sheet 2. Weed masking leaving only the areas shown in **BLACK**. Apply clear transfer film and apply the mask to the model. Start at the forward of the mask. Once applied remove clear and fold excess edges of to protect white sides from LT. BLUE pain

Paint 2 light coats of **LT. BLUE** paint over the open areas. Remove all masking.



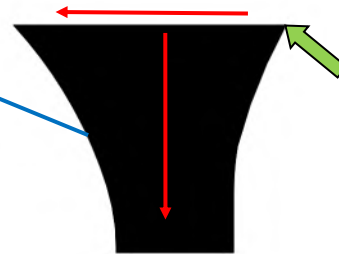
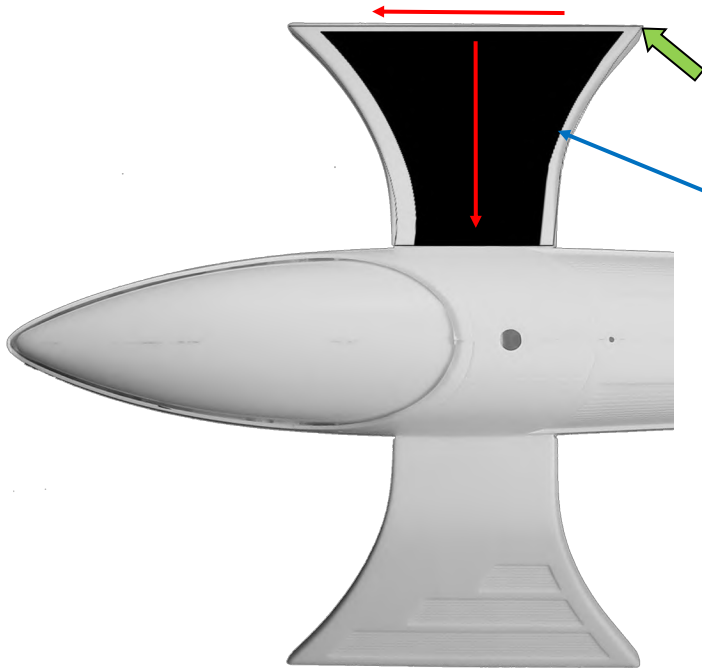
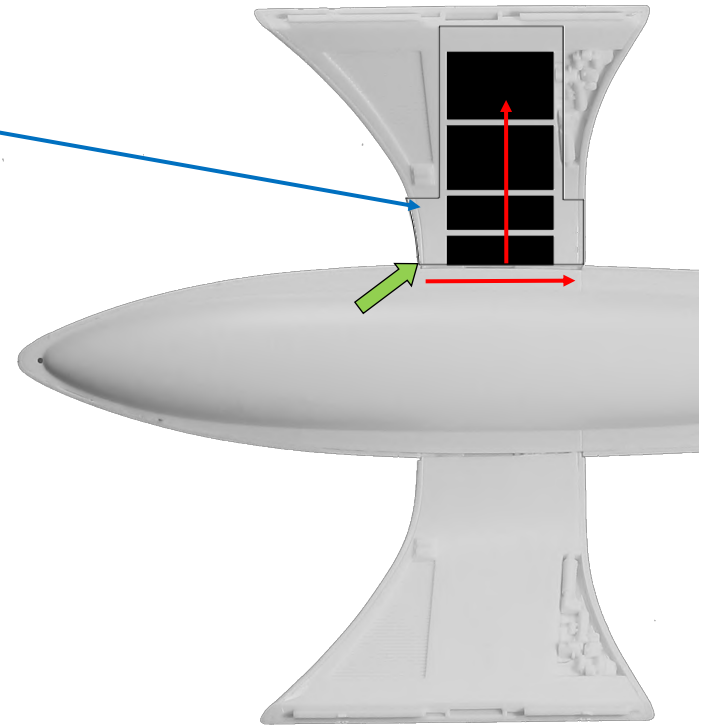
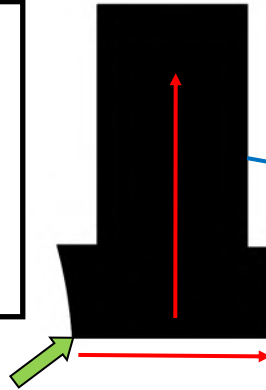
Pylon masking and painting



Inboard pylon

Cut sections from sheet 3 (port and starboard). Apply full masking **DO NOT** weed. Start at secondary hull and align between grills and Aft greebles. After masking has been applied remove outer portion of masking as this was just used for alignment purposes leaving the 4 squares on the model. Do this for both port and starboard pylons.

Paint 2 light coats of **DARK BLUE** paint over the entire inboard pylon. Remove all masking.

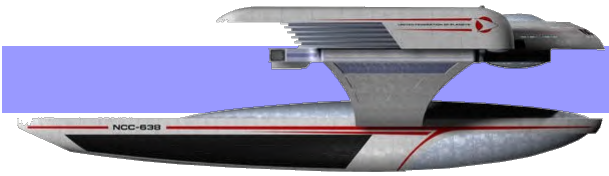


Outboard pylon

Cut sections from sheet 3 (port and starboard). Apply full masking **DO NOT** weed. After masking has been applied remove outer portion of masking as this was just used for alignment purposes leaving the center mask on the model. Do this for both port and starboard pylons.

Paint 2 light coats of **LT. GREY** paint over the entire outside edge of the

Forward pylon edge detail masking and painting

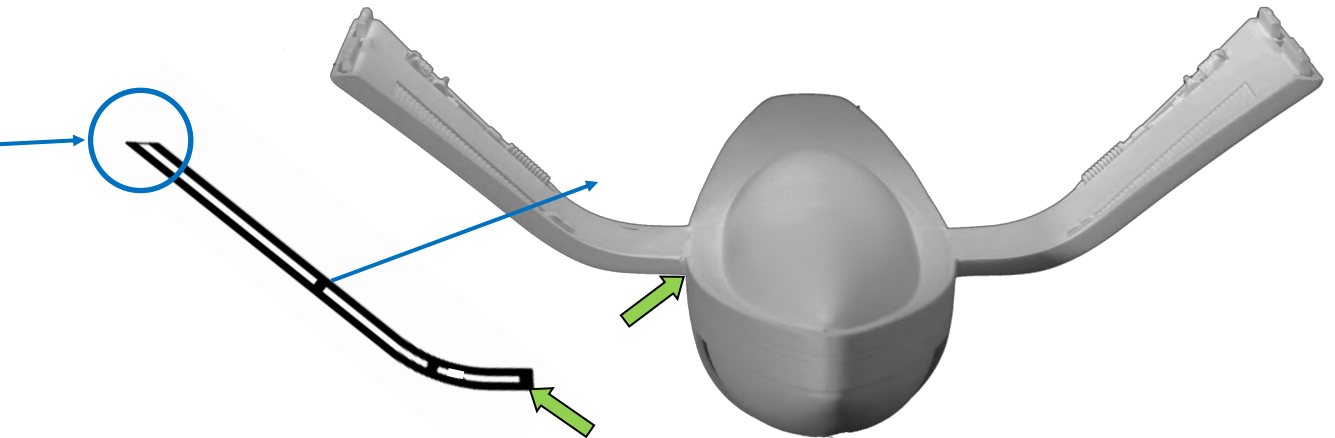


Forward Pylon Edge

Paint forward edges of pylons (port and starboard) with **POWDER BLUE** paint. Cut forward pylon sections from sheet 3 and weed center sections. Apply the forward edge of pylon.

Note: forward edge masking is the ones where the center sections do not stop short of the nacelle edge.

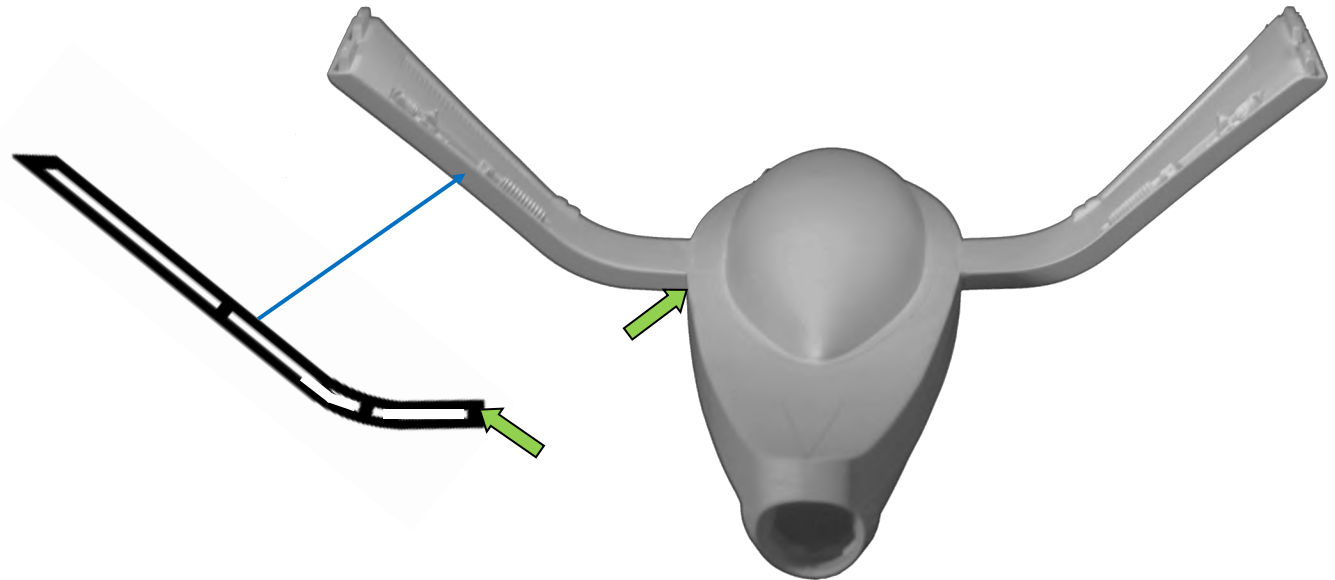
Paint center open section of masking **DARK BLUE #2**.



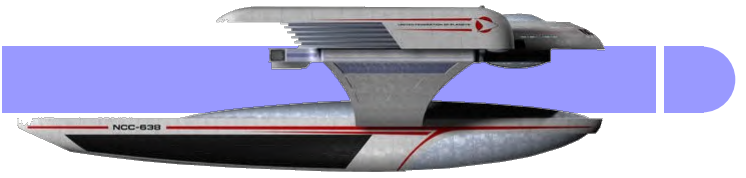
AFT Pylon Edge

Paint aft edges of pylons (port and starboard) with **POWDER BLUE** paint. Cut forward pylon sections from sheet 3 and weed center sections. Apply the aft edge of pylon.

Paint center open section of masking **DARK BLUE #2**.
Remove all masking.



Main hull port and starboard outboard edge masking

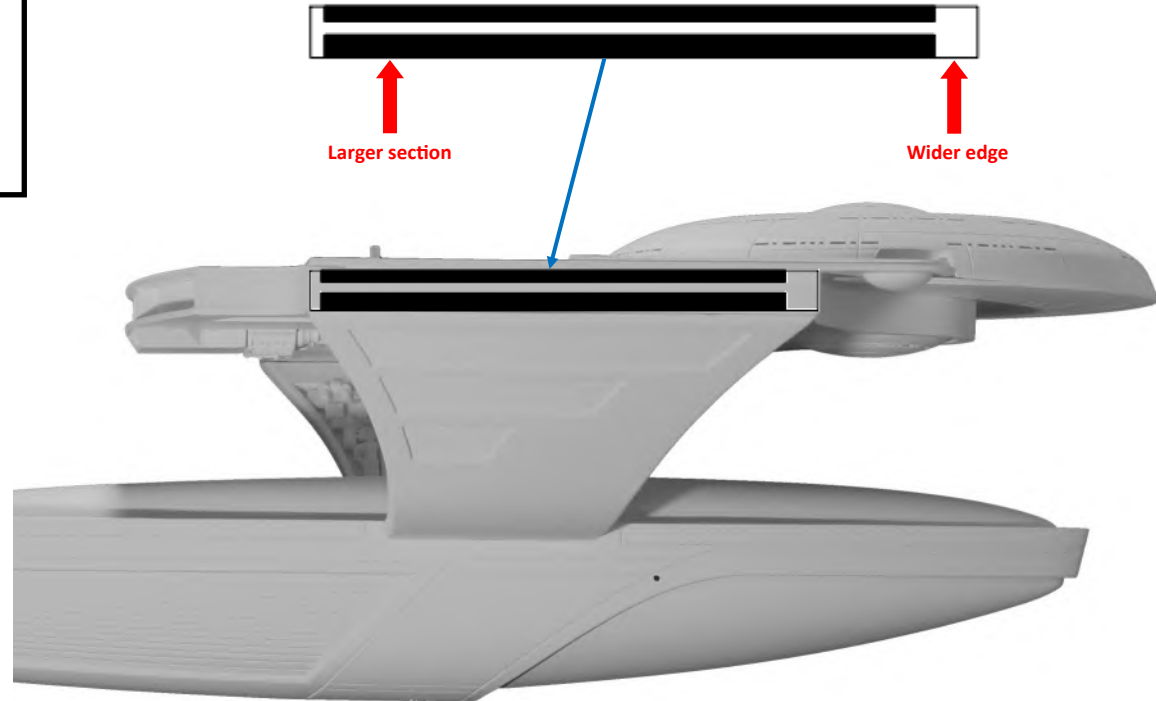


Main Hull Port and Starboard outboard Edges

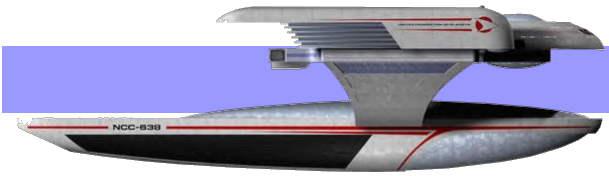
Cut aft sections from sheet 2 **DO NOT** weed. Apply the both port and starboard masking section to the model. After applied remove **WHITE** section shown.

Paint **LT. GREY**. Remove all masking.

Note: the wider edge side goes froward and larger section goes toward the bottom.



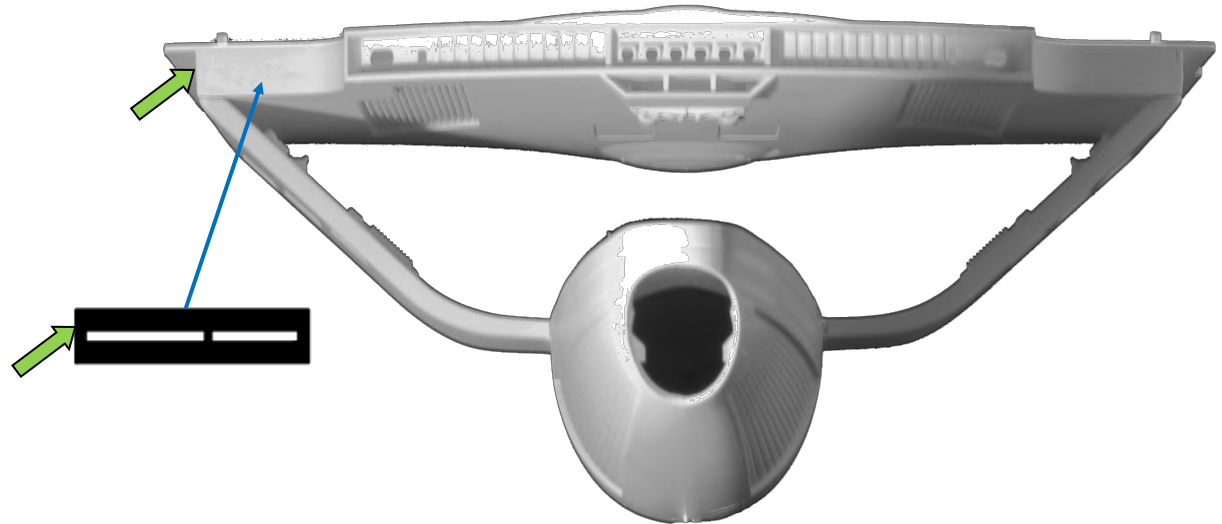
Main hull edge masking and painting



Main Hull aft Edges

Paint port and starboard edges with **POWDER BLUE** paint. Cut aft sections from sheet 2 and weed center sections. Apply the forward edge of pylon. NOTE: **Long section goes to the outside edge**

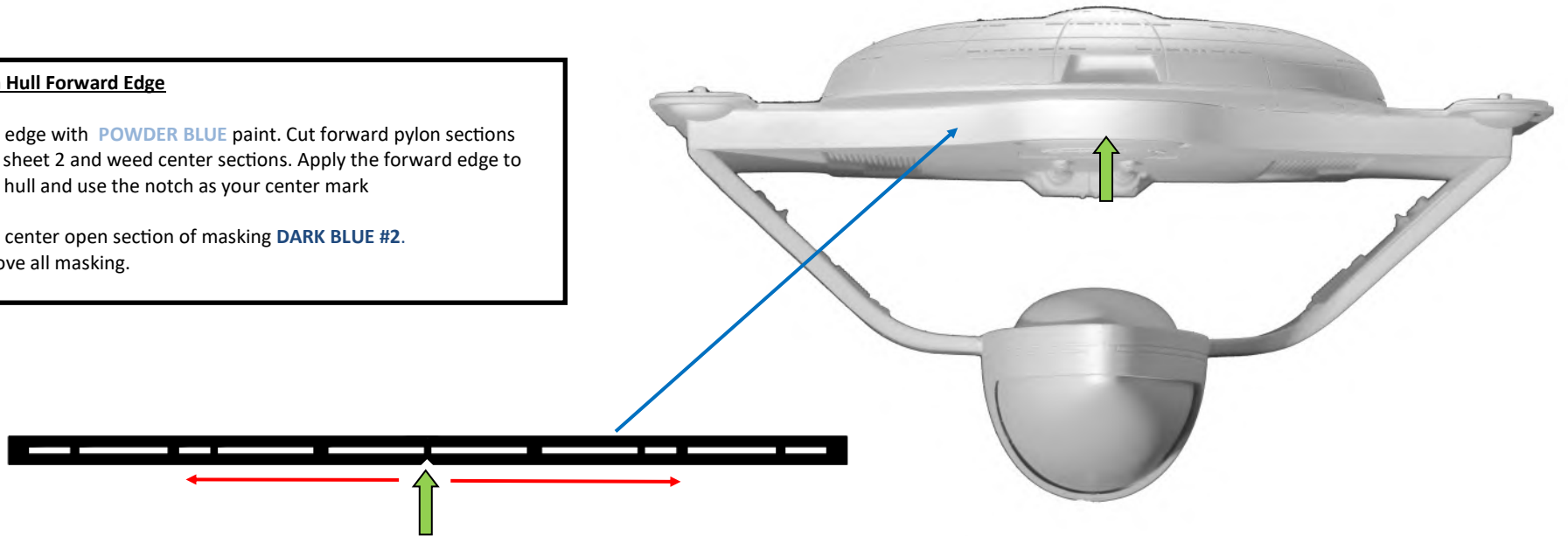
Paint center open section of masking **DARK BLUE #2**. Remove all masking.



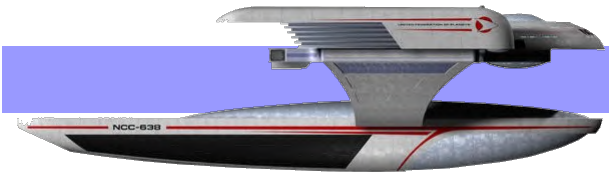
Main Hull Forward Edge

Paint edge with **POWDER BLUE** paint. Cut forward pylon sections from sheet 2 and weed center sections. Apply the forward edge to main hull and use the notch as your center mark

Paint center open section of masking **DARK BLUE #2**. Remove all masking.

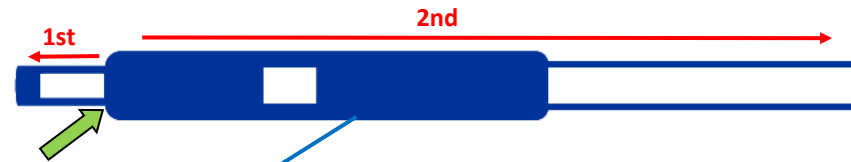


Nacelle port and starboard paint masking



Step #1

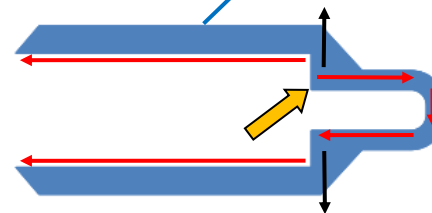
Remove sections from sheet 5. No clear transfer film required for these, just peel and stick. Do this for both port and starboard nacelles. Start at the aft shown with the **GREEN** arrow. Align the masking with the model panel lines on the nacelle and work your way to the back (aft). Then align the remaining masking with the rest of the panel lines.



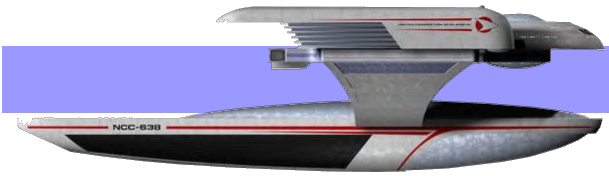
Step #2

Remove section from sheet 5. No clear transfer film required for these, just peel and stick. Start at the model panel line and the edge of the previous mask from step #1 and press down along panel lines on the model around the forward light and back to the other corner as shown.

Next press the area of masking shown in the direction of the **BLACK** arrows. Press the remain masking down following the model panel lines in the red arrow location.

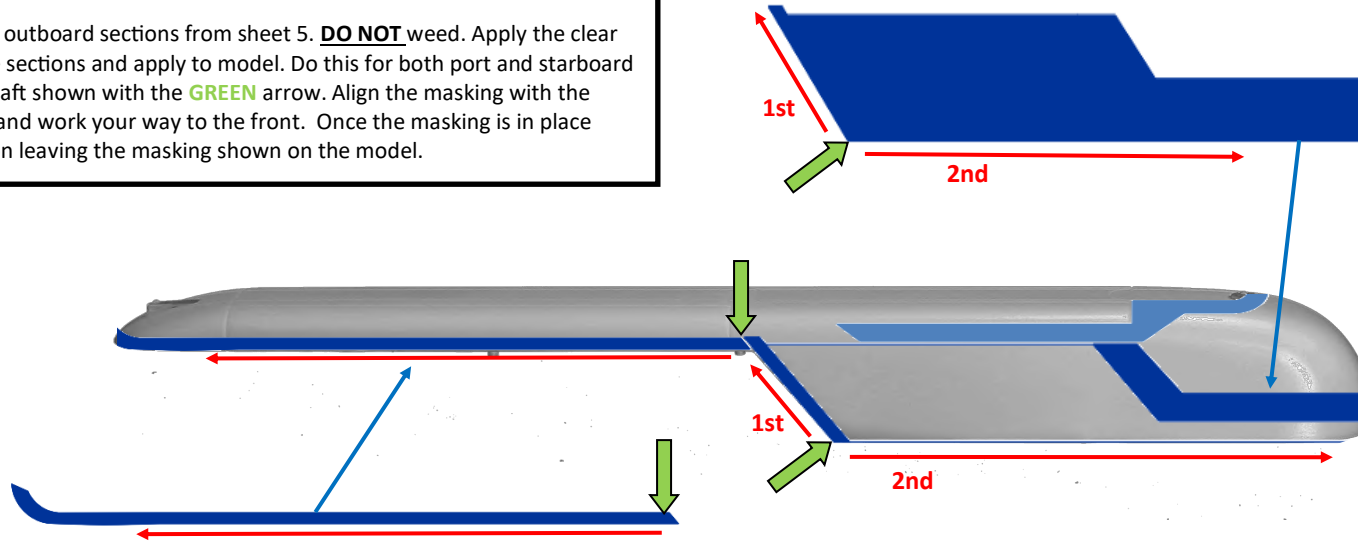


Nacelle port and starboard paint masking



Step #3

Remove inboard and outboard sections from sheet 5. **DO NOT** weed. Apply the clear transfer film to these sections and apply to model. Do this for both port and starboard nacelles. Start at the aft shown with the **GREEN** arrow. Align the masking with the edges of the nacelle and work your way to the front. Once the masking is in place remove center section leaving the masking shown on the model.



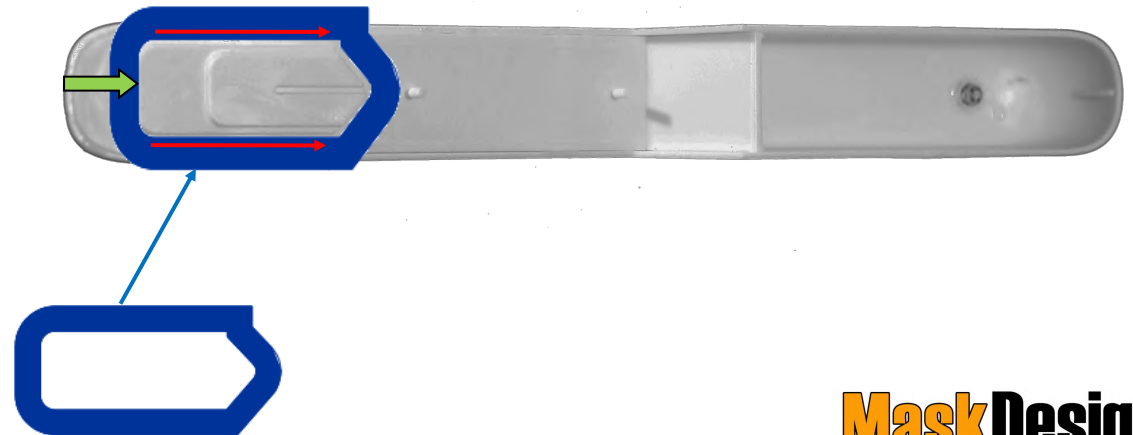
Step #4

Remove sections from sheet 5. No clear transfer film required for these, just peel and stick. Do this for both side on both nacelles. Start it the masking from step #3 and work your way to the aft aligning with the lower edge of the nacelle and around to the back

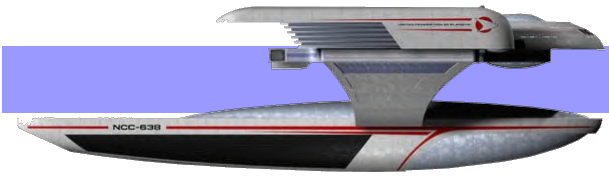
Step #5

Remove sections from sheet 5. No clear transfer film required for these, just peel and stick. Apply to the bottom of both nacelles for panel painting.

Once all the masking is in place apply some masking tape to the front and bottom of the nacelles to cover up exposed areas and paint the nacelle **LT.GREY**.



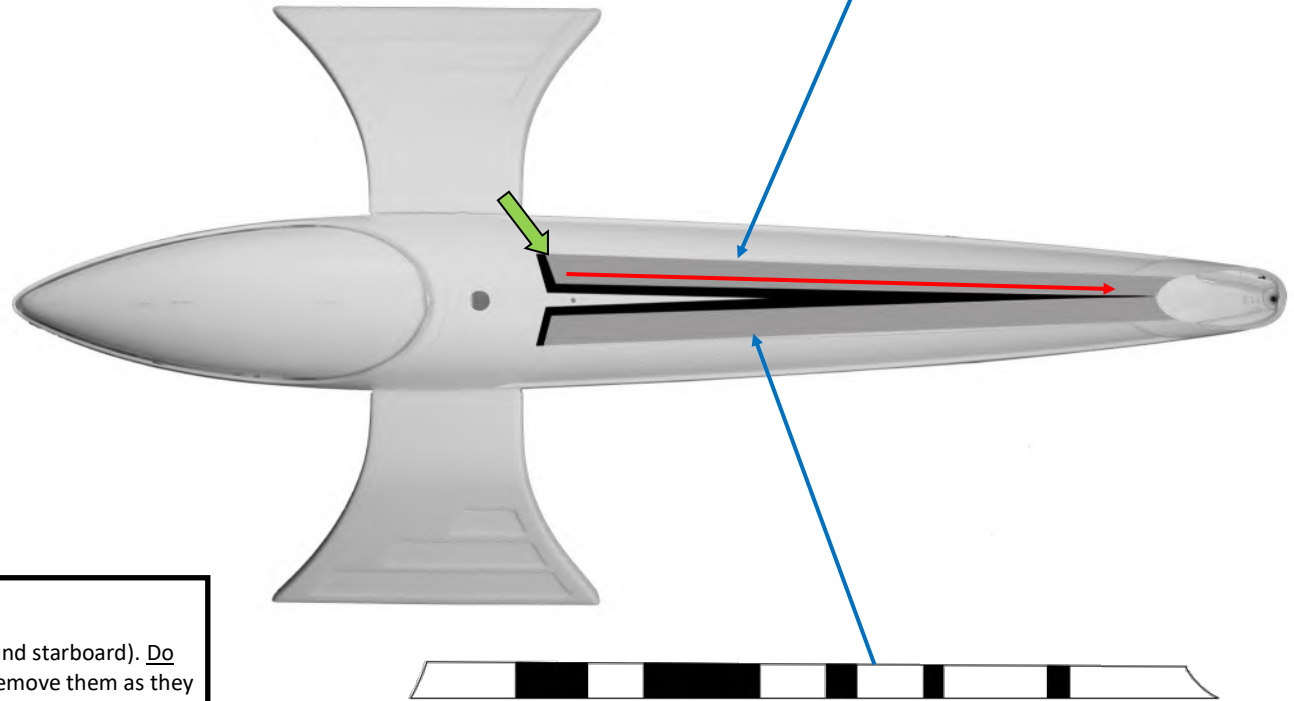
Secondary bottom masking and painting steps



Step #1

Cut sections from sheet 2 (port and starboard). **Do not** weed mask and apply to model. Do this for both port and starboard pylons. Start the **GREEN** arrow inline with the secondary grill and the curved panel line of the hull froward or the grill. After mask has been applied you can weed only the **RED** sections.

After **RED** section of masking has been removed paint the open areas **LT. GREY 2**.

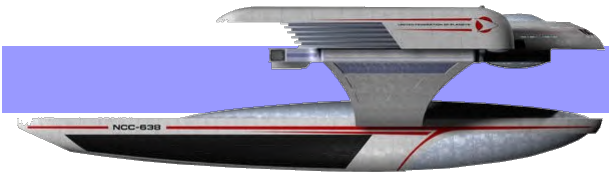


Step #2

Leave masking from step#1. Cut sections from sheet 2 (port and starboard). **Do not weed the two end pieces** until you apply masking, then remove them as they are just for alignment only. Do this for both port and starboard pylons.

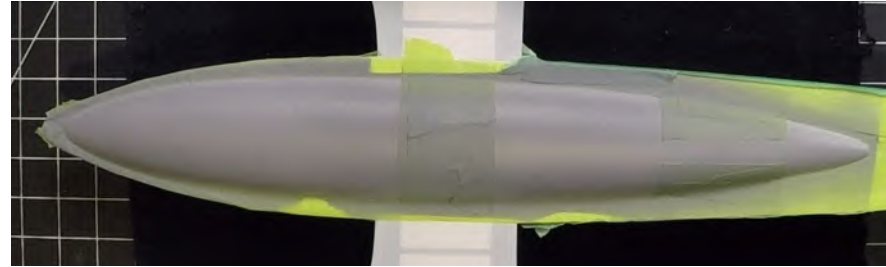
Paint the open areas **LT. GREY**.

Secondary top masking and painting steps



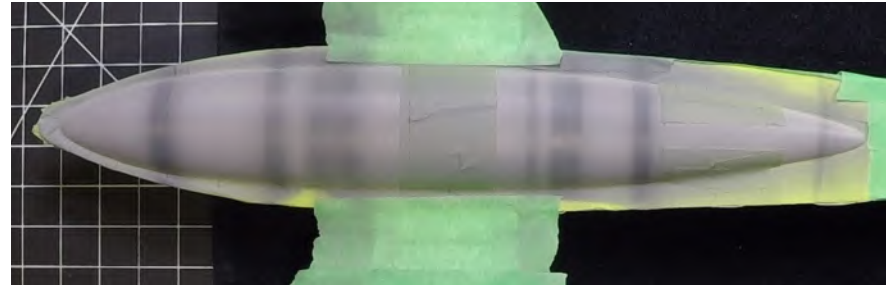
Step #1

Paint top section with a mixture ratio of 2-drops Pewter Stain and 1-drop white.



Step #2

Paint bands using Pewter Stain. Cut out template from card stock to help keep lines straight (see video)



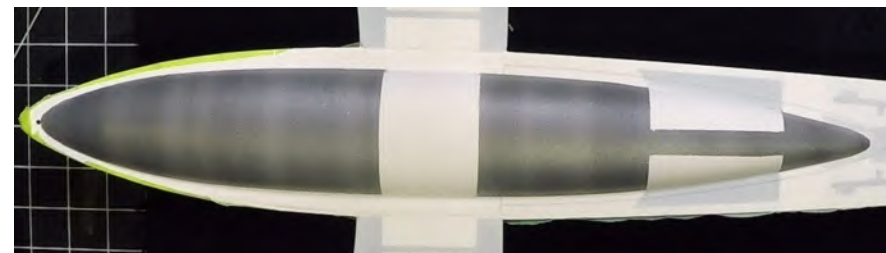
Step #3

Paint bands using mixture ratio of 3-drops Pewter Stain and 2-drops Deep Grey

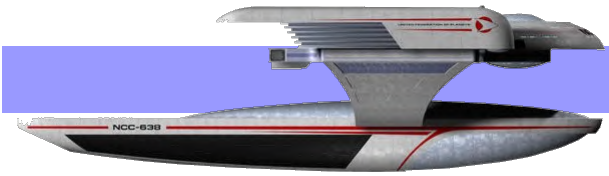


Step #4

Paint entire section are with a wash mixture ratio of 3-drops Silver, 1-drops Pewter and a toothpick of Windsor Blue (see video) . Spray light coats just to blend everything in but still able to see the difference between and the grey paints.



Secondary bottom masking and painting steps



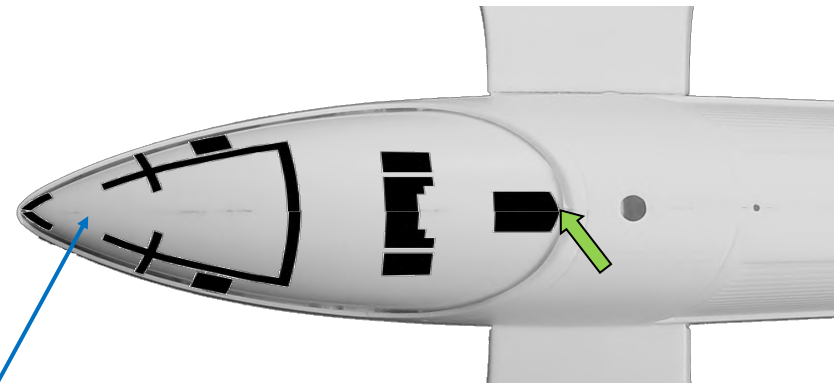
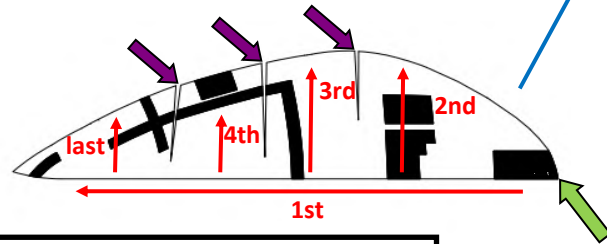
Step #1

Paint bottom forward section are with a mixture ratio of 2-drops Pewter Stain and 1-drop white.

Step #2

Cut sections from sheet 3 (port and starboard). Place light pencil marks along center of hull section for mask alignment. **Do not** weed mask and apply to model. Make sure you also cut out the **3 relief cut** in order to apply the masking correctly. Do this for both port and starboard pylons. After mask has been applied you can weed the sections leaving only the **BLACK** sections shown.

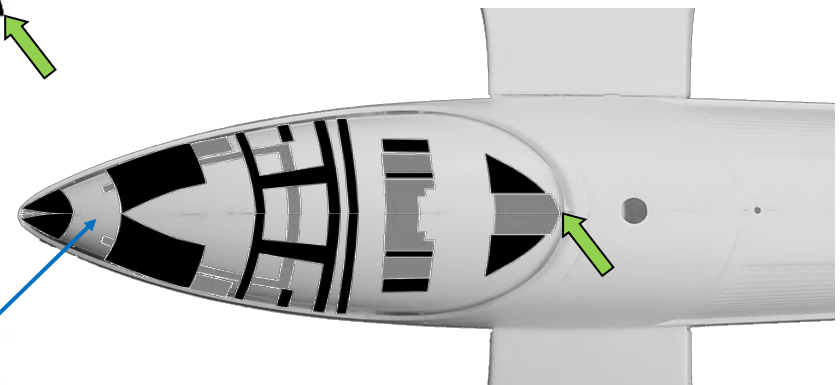
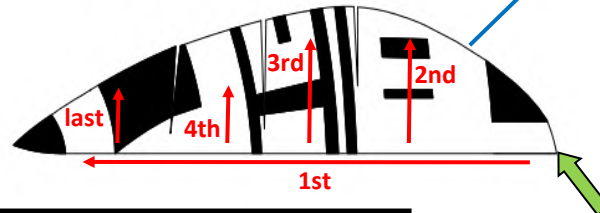
Paint entire section are with Pewter Stain. Do not remove masking.



Step #3

Cut sections from sheet 3 (port and starboard). **Do not** weed mask and apply to model. Do this for both port and starboard pylons. After mask has been applied you can weed the sections leaving only the **BLACK** sections shown.

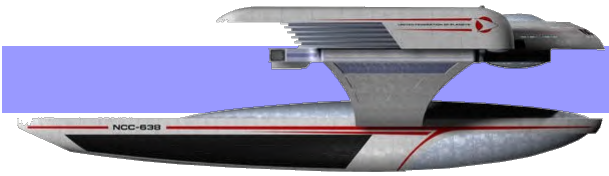
Paint entire section are with a mixture ratio of 3-drops Pewter Stain and 2-drops Deep Grey. Remove all masking.



Step #4

After all masking has been removed. Paint entire section are with a wash mixture ratio of 3-drops Silver and a toothpick of Windsor Blue (see video). Airbrush light coats just to blend everything in but still able to see the difference between and the grey paints.

Miscellaneous masking



Masking for painting of bottom Domes

Remove 2 sections from sheet 5 (port and starboard). No clear transfer film required for these, just peel, stick and paint. Do this for both port and starboard side.

Masking for painting of saucer bottom center dome

Remove section from sheet 5. No clear transfer film required for these, just peel, stick and paint.

Paint the dome and remove masking.

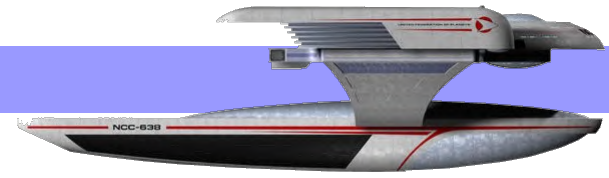
Masking for painting of saucer top side center dome

Remove section from sheet 5. No clear transfer film required for these, just peel, stick and paint.

Paint the dome and remove masking.

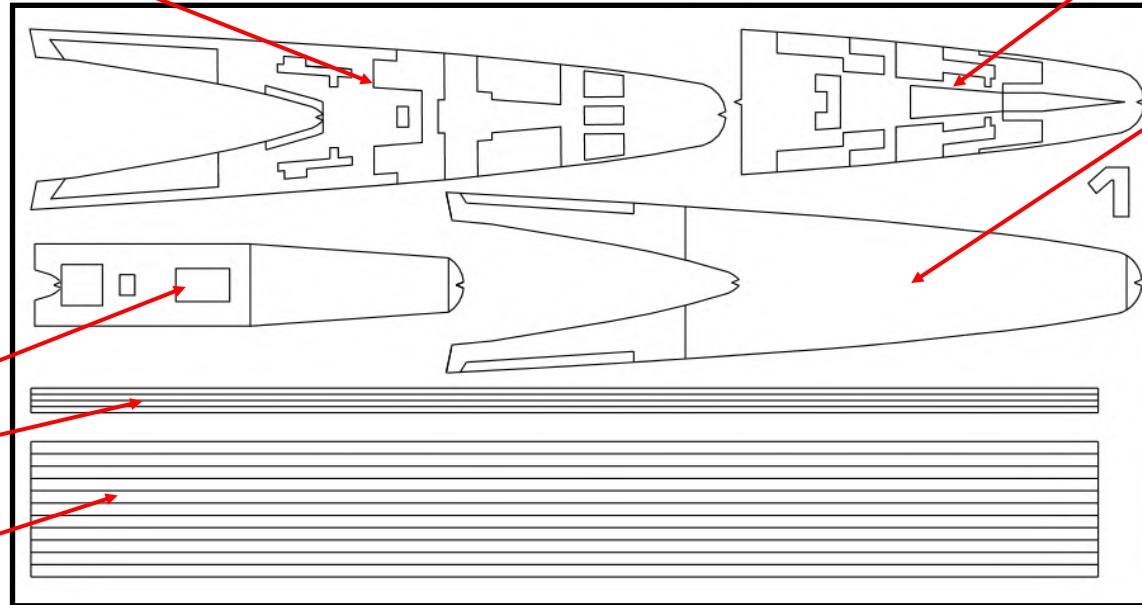


Sheet 1 layout



Step #3 secondary tail aft masking

Step #1 secondary tail aft masking



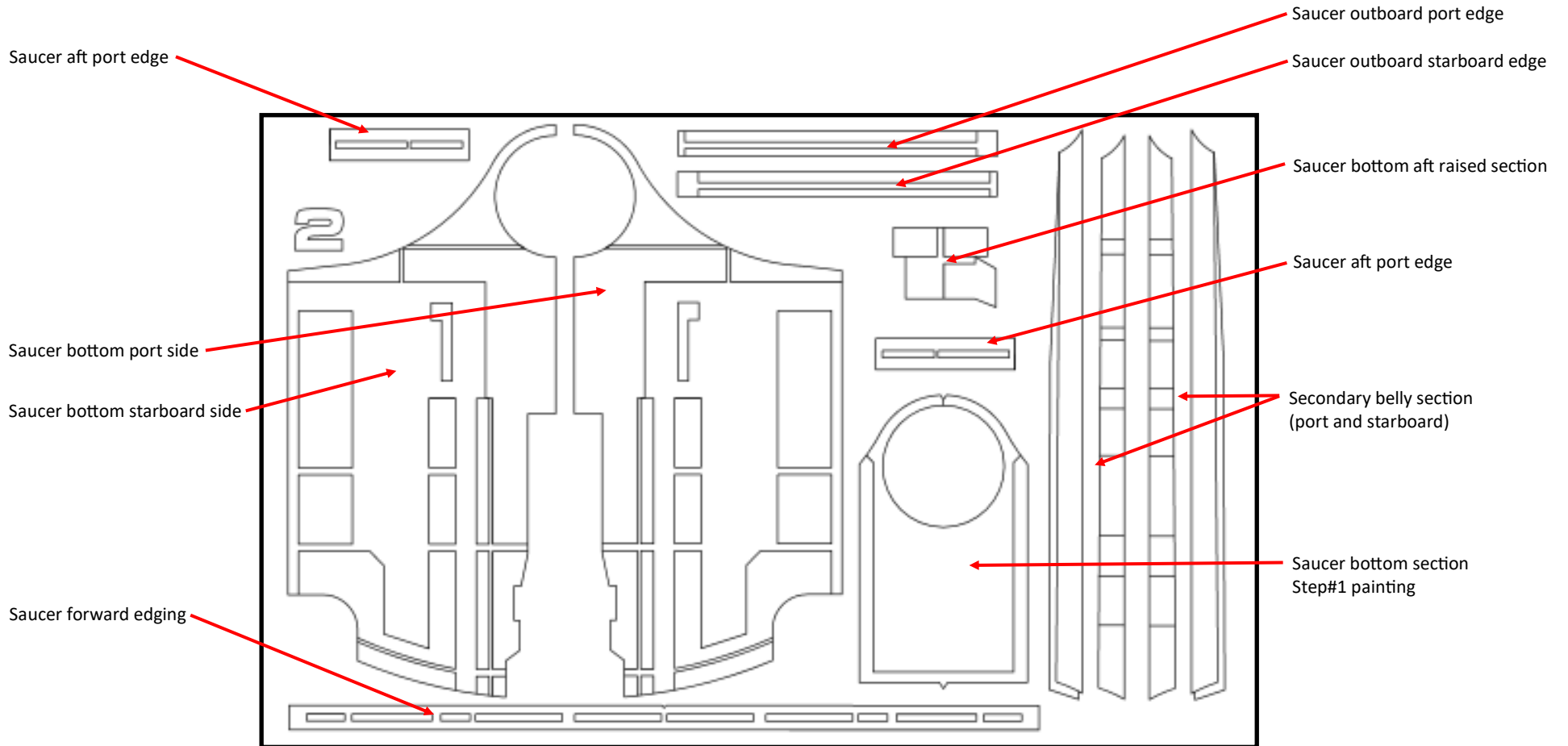
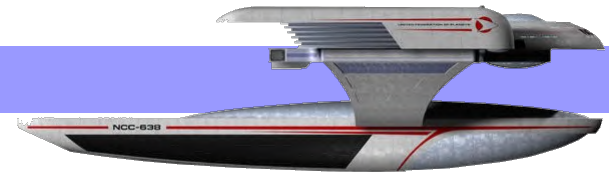
Step #4 secondary tail aft masking

Step #2 secondary tail aft masking

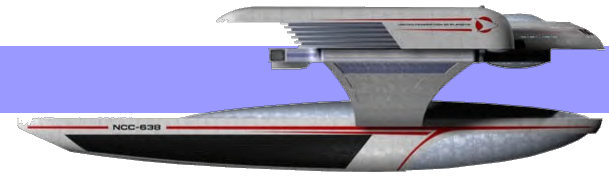
1.5mm lines for painted curved section

3mm lines for painted straight section

Sheet 2 layout



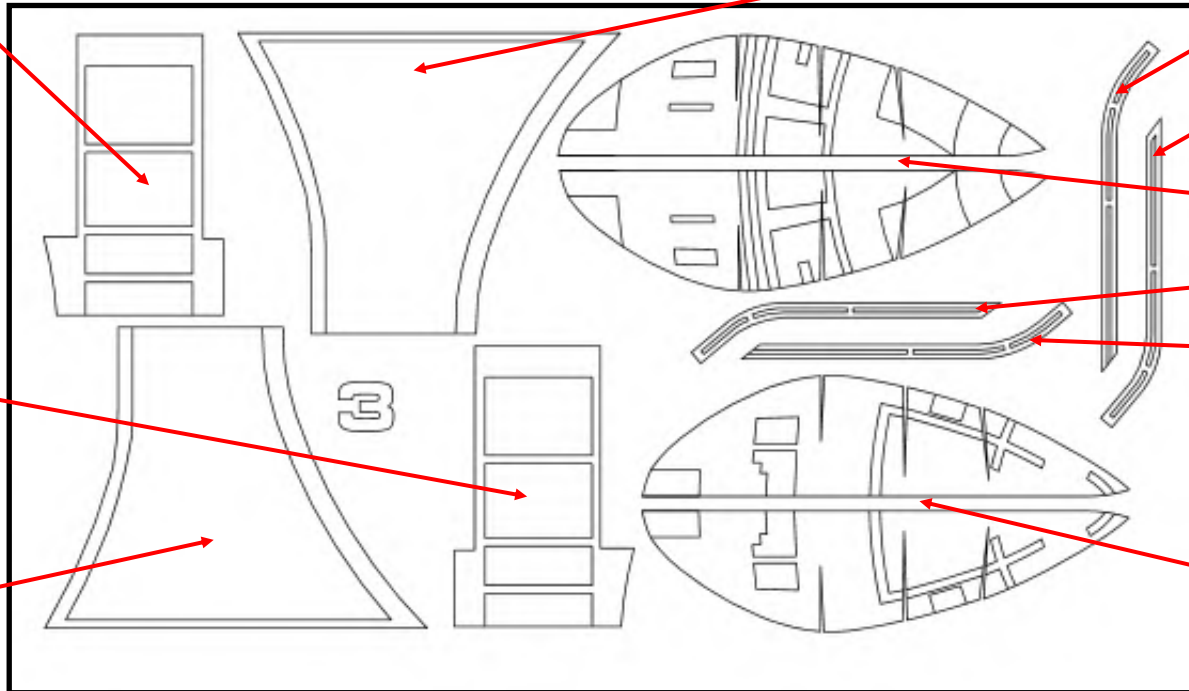
Sheet 3 layout



Starboard inboard pylon

Port inboard pylon

Port outboard pylon



Starboard outboard pylon

Forward port pylon edging

Aft starboard pylon edging

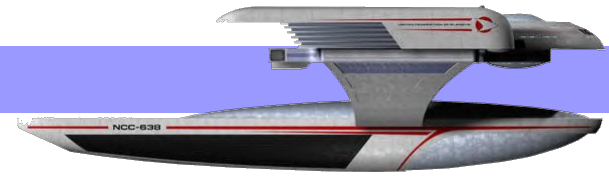
Secondary forward bottom silver detail step #3 (port and starboard)

Aft port pylon edging

Forward starboard pylon edging

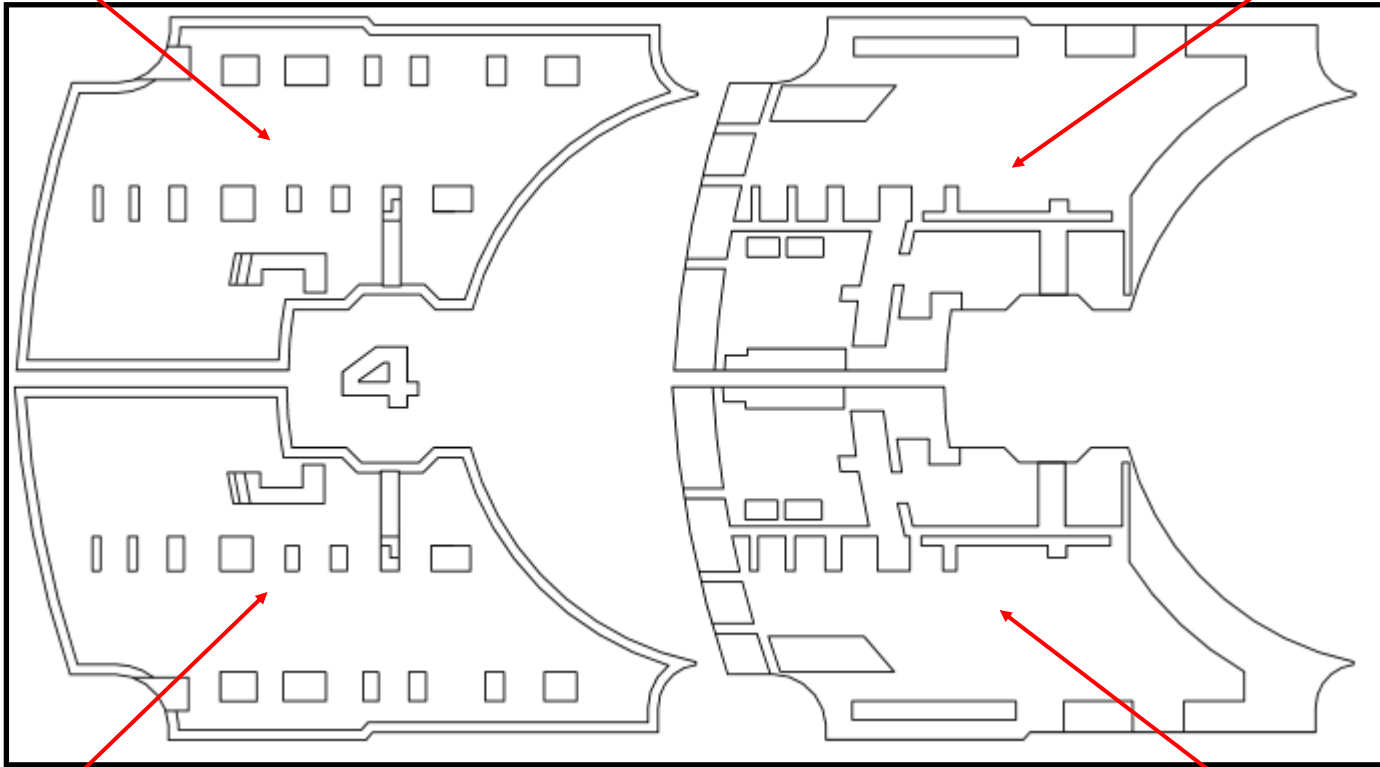
Secondary forward bottom silver detail step #2 (port and starboard)

Sheet 4 layout



Saucer topside port step 1 and 2 masking

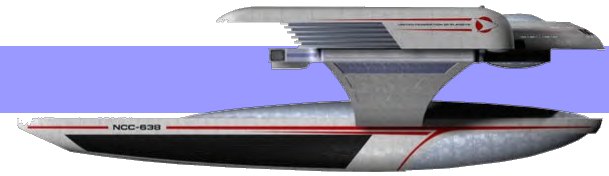
Saucer topside port step 3 masking



Saucer topside starboard step 1 and 2 masking

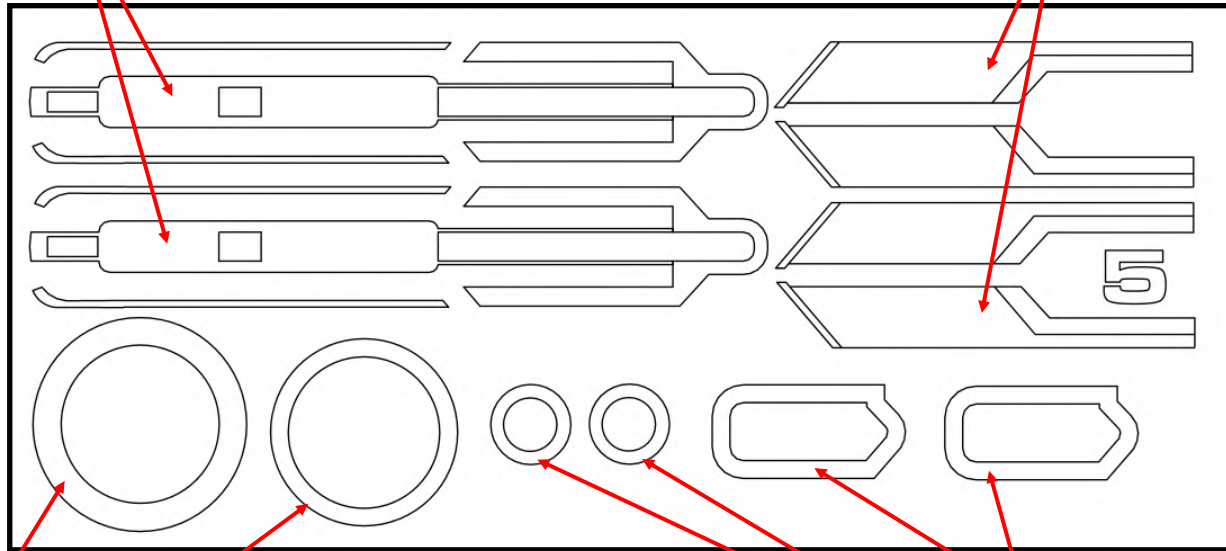
Saucer topside starboard step 3 masking

Sheet 5 layout



Tops for both port and starboard Nacelles

Sides for both port and starboard Nacelles



Top saucer dome paint masking

Bottom saucer dome paint masking

Bottom nacelle panel paint masking

Bottom saucer nacelle dome paint masking