

SHUTTLE BAY

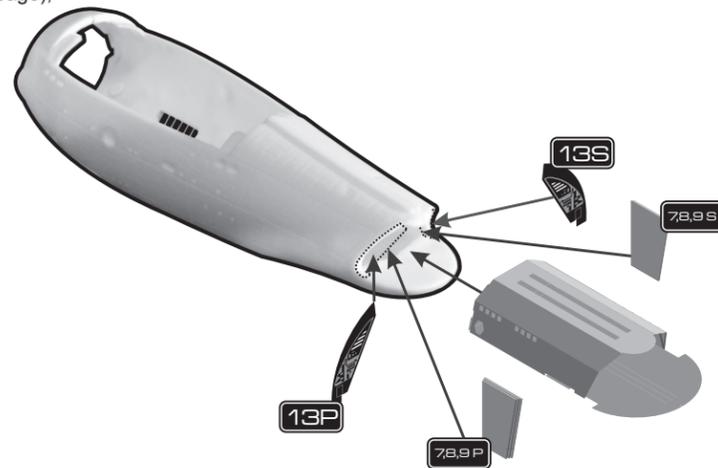
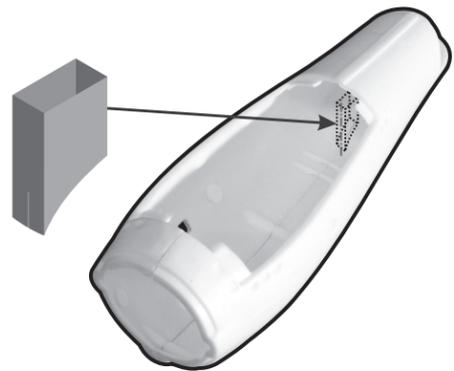
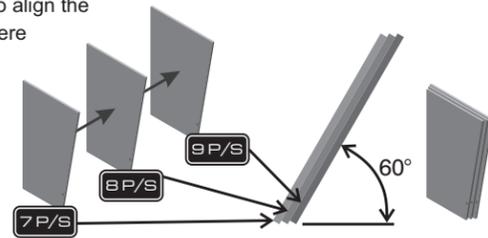
ASSEMBLE SHUTTLE BAY

Install the front support at the base of the fantail cutout. Again, use the small tick mark to align the support with the seam line of the kit parts. The bottom of the support should be right where the flat area of the fantail begins.

Insert the assembled shuttle bay through the rear opening being careful not to damage or deform it. Glue it in place so that the tick mark at the end of the deck is aligned with the seam line of the two kit parts. (You can fill this tick mark and paint it to hide it.)

Assemble the two groups of three shuttle bay doors. The squared ends should be flush, while the top and bottom edges are even when the doors are angled at 60° as shown. Make sure that the small dots at the smaller end of each door face out and are visible when assembled.

Attach the pre-formed rear walls (13P and 13S, see previous page), then mount the doors so that the top of the outermost door is even with the edge of the rear walls.



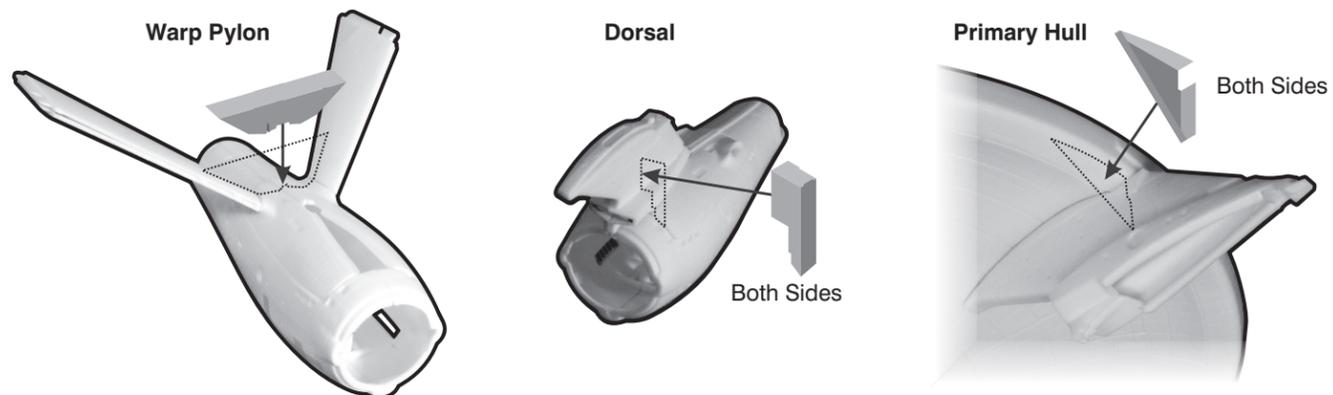
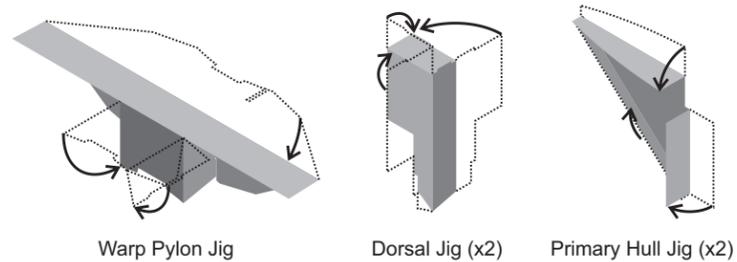
ALIGNMENT JIGS

Fold the five alignment jigs as shown.

Use the jigs to aid in squaring up the interconnecting dorsal with both the secondary and primary hulls. (This is best done as two separate steps.) Use the warp pylon jig to help ensure that the pylons are both at the proper angle.

You will need to supplement these jigs with tape, clamps, etc. and patience to ensure proper alignment.

Make sure to test fit all parts before applying modeling cement.



REFIT ENTERPRISE

Interior Photoetch

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PGX216

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INTRODUCTION

Thank you for purchasing ParaGrafix's interior photoetch set for the classic 1/537 scale refit USS Enterprise kit. We have made every effort to ensure that these parts can be used successfully by a modeler of modest experience, but there may be items that require advanced modeling techniques. For a basic primer on the use of photoetch, please visit <http://www.paragrafix.biz/instructions.asp> for printed instructions and <http://www.paragrafix.biz/video-instructions-1.asp> for videos.

Materials

In addition to the photoetch, you will also need scissors* or a knife** to remove individual pieces from the main fret, a file to remove material left from cutting, and super glue (aka CA or cyanoacrylate). Additionally, to fold some pieces, you will need a pair of razor blades*** or a specialty tool such as PhotoFold**** from ParaGrafix.

* http://www.paragrafix.biz/product_detail.asp?PPartNum=XU9180ET or http://www.paragrafix.biz/product_detail.asp?PPartNum=XU440

** We prefer a #17 Xacto chisel blade.

*** Extreme care must be taken when using razor blades. Risk of serious injury.

**** http://www.paragrafix.biz/product_detail.asp?PPartNum=pft-5

Key
Kit part (plastic): 1
Photoetched part: 1

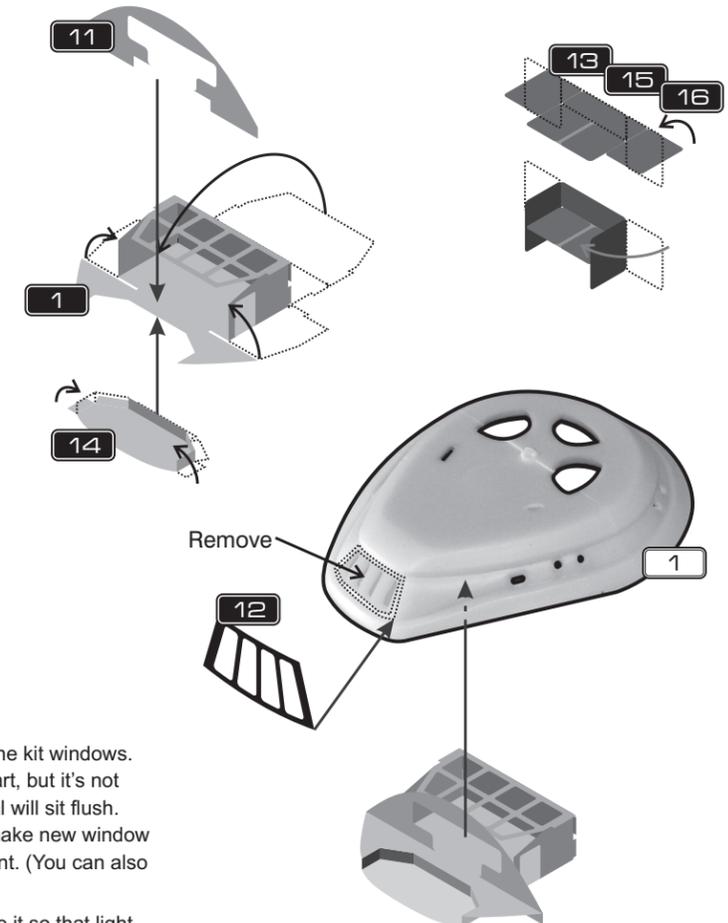
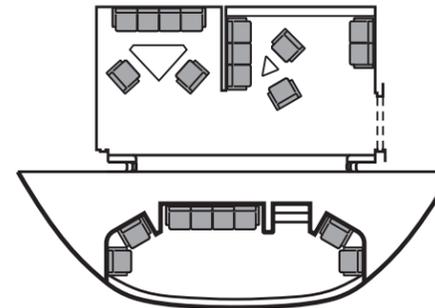
OFFICERS LOUNGE

Lounge Interior

Fold etch part 1 to form the walls and ceiling of the lounge. Fold up all the "wings" on etch part 14 to form the recessed lounge area. Assemble parts 1, 11, and 14 as shown to create the finished officers lounge. Note that part 11 is not symmetrical and will only fit properly in one direction. Test fit before gluing.

Fold up the chairs, love seats, and couches (13, 15, and 16) and place them in the lounge. The procedure is the same for all types, though only the love seat is shown.

Below is Andrew Probert's layout for the furniture placement, but feel free to place them however you'd like. (You can uber-detail the lounge by adding the small tables and stairs out of plastic sheet.)



KIT MODIFICATION AND INSTALLATION

Shape lounge windows (12) to shape on the hull, then trim out the kit windows. Extend the kit windows so there is still plastic to hold the etch part, but it's not showing through. File down around the window so that the metal will sit flush. Glue the window, 12, in place. Use clear soda bottle plastic to make new window "glass" and glue it in place using Micro Krystal Klear or equivalent. (You can also use Micro Krystal Klear as the window material itself.)

Now install the assembled lounge. Note that there is room above it so that light can enter through the cutouts in the ceiling.

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Special thanks to Paul Newitt for his reference help with this kit, as well as the concept of adding alignment jigs.

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ARBORETUM WINDOWS

TIP: You will want to anneal both the jig (part 5) and arboretum windows, 6P and 6S, so that they conform to the hull.

Repeat for both sides.

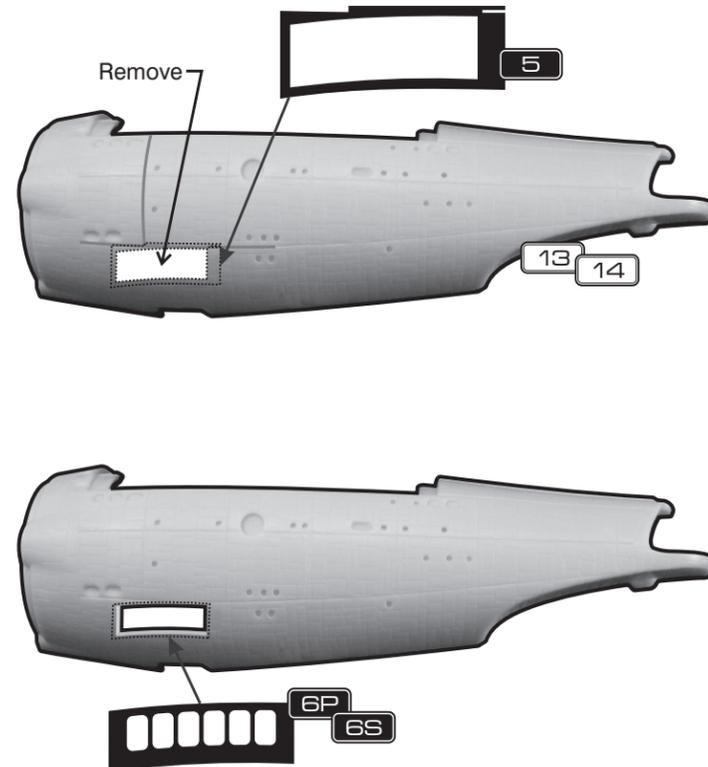
This procedure is similar to that used for the officers lounge windows (see page 1), with some differences.

Mount the jig as shown, aligning it to the grid lines. Mark just inside of the jig and cut out enough material to clear the windows, while leaving enough plastic to glue the new windows in place.

Thin down the plastic around the opening by the thickness of the photoetched parts (0.01", 0.25mm) so that the windows fit flush.

Form the window parts, 11 and 12, on a section of hull above or below the window opening so that they have the proper shape, then glue into position. Note that the parts are mirror images so make sure to form them each in the proper direction. If you put them on the wrong sides, the window frames won't be vertical.

11 goes on the starboard (right) side with kit part 14, while 12 goes on the port (left) side with kit part 13. Use clear soda bottle plastic to make new window "glass" and glue it in place using Micro Krystal Klear or equivalent.



ARBORETUM

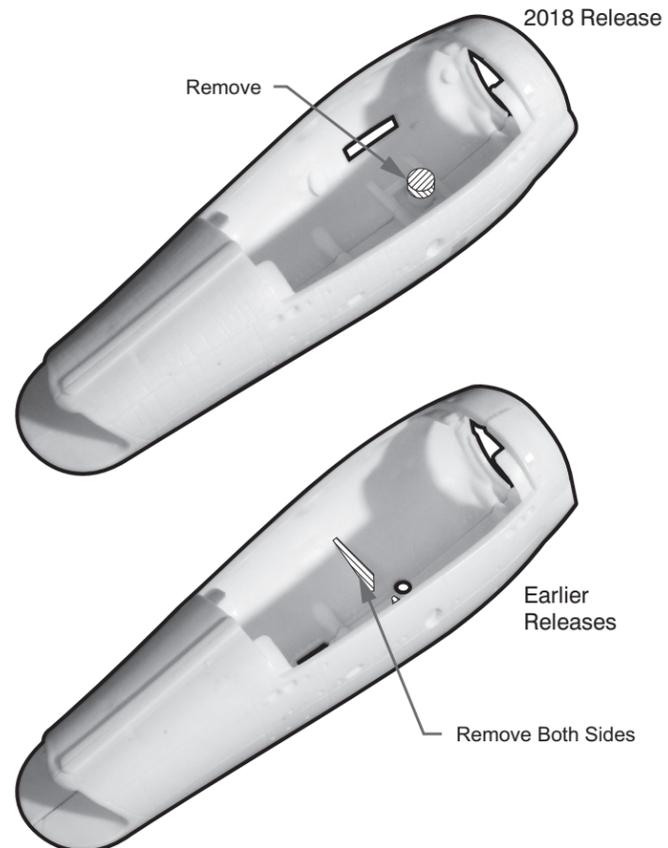
KIT MODIFICATION - 2018 RELEASE

The stand receptacle (kit part 35) is too tall to allow the arboretum to fit properly. You need to cut approximately 3/16" (4.8mm) from its height.

As this will weaken or remove the horizontal stop for the stand, cut a disk of sheet 1/16" (1.5mm) plastic sheet to fit inside the hole and secure it in place with a good welding cement such as Tenax 7-R.

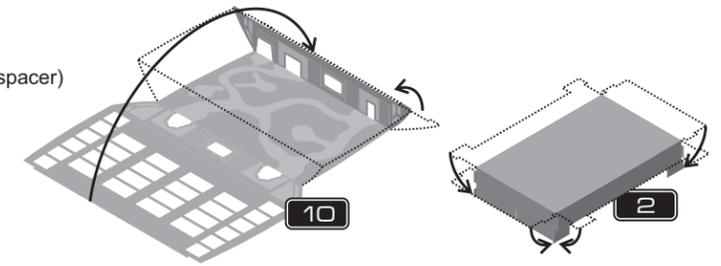
KIT MODIFICATION - EARLIER RELEASES

The two ribs, originally intended to position the battery box, will get in the way of the arboretum. Remove them.



ARBORETUM PREPARE ETCH PARTS

Fold etch parts 2 (arboretum proper) and 10 (arboretum base / spacer) as shown.



ARBORETUM ASSEMBLY

Attach the base / spacer to the secondary hull, making sure to align the small tick mark with the seam line between the two halves of the hull. The end "legs" straddle the box holding in the base receptacle in place.

NOTE: When working with the older releases of the kit you will have to test fit to ensure that you have the piece properly positioned in the forward/backward direction.

Once the base is secured, attach the arboretum proper to it making sure that it is oriented properly with skinnier end forward and that it is centered on the windows.



SHUTTLE BAY PREP KIT PARTS

IMPORTANT: For ease of installation, anneal etch parts 13P and 13S, then form them to the shape of the rear wall that is shown being cut away before performing the next step.

Cut out the shuttle bay door area and file away the excess material until there is no lip and the edges are smooth with the interior of the parts.

Optional: For ease of inserting the shuttle bay itself, you might want to remove some of the flat area of the fantail.



SHUTTLE BAY FOLD SHUTTLE BAY PARTS

NOTE: When folding the walls, you will need to use a photoetch bending tool that allows you to extend parts past the end of the tool. PhotoFold will not work for these parts. The 2 other folds can be done without using a tool at all if you feel comfortable working that way.

Fold the walls up so that they match the edge of the rear wall.

Fold ceiling and rear wall up to complete the assembly.

Fold the forward support, 4, as shown.

