# 1/1000 TOS ENTERPRISE

# **Window Drilling Templates**



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### INTRODUCTION

Thank you for purchasing ParaGrafix's window template set for the classic 18" USS Enterprise it. 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, tape, super glue (aka CA or cyanoacrylate), and a clear filler such as Micro Kristal Klear or Testors' Clear Part Adhesive and Window Maker.

\* We prefer a #17 Xacto chisel blade.

Photoetch part:



### GENERAL INSTRUCTIONS

Use tape to temporarily attach the photoetch parts in their places. Then, using 0.25 and 0.5 mm (0.01" and 0.2", respectively) drills bits, drill each hole. These holes are sized for standard fiber optics that can be used to light the ship.

Other sections (eg. parts 9 and 16) need to be cut out and filled with a clear material such as those mentioned in the introduction.

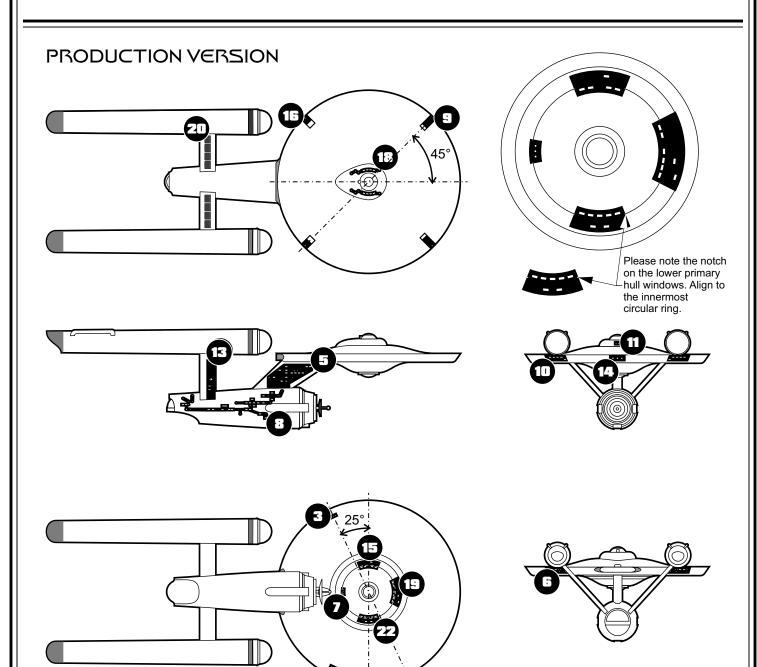
For rectangular holes, you can drill several times in the same opening, then clean up with a hobby knife.

The warp pylon grills (parts 20) need to be glued in place using super glue or epoxy.

Templates are generally used at least twice, once for each side of the ship. In these cases, the templates will have to flipped over and drilled from the opposite side.

Please see the included template for help positioning the photoetch pieces on the primary hull.

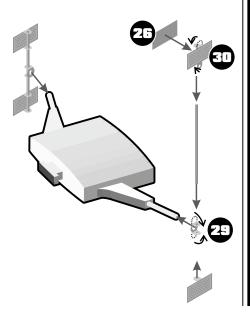
TIP: These templates can also be used as painting masks if you don't plan on lighting your ship.

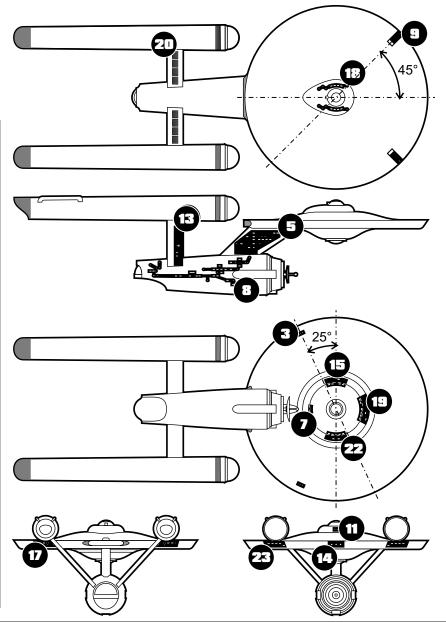


## FIRST PILOT VERSION

### SS BOTANY BAY

Fold etch parts 29 (x2) and 30 (x 4) and attach 26 (x 4) to the backs of each 30 as shown below. Cut two pieces of the included brass rod to XX" (xx mm) long. Insert the rod through the holes in 29 and 30 to make the assembly shown at left. Attach each assembly to the end of one of the arm at the back of the Botany Bay engine section.





# 45°



Install all pieces except 24 and 25 unless you are working on the  $\dots$ 

### MIRROR UNIVERSE VERSION

The photoetch has been sized to fit directly under the kit's decals and give them a raised appearance. In this case you will want to use a decal solvent after applying the decals so that they nestle into the engraved portions of the etch.

