

TOS ENTERPRISE Engine Grills

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PGX208

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INTRODUCTION

Thank you for purchasing ParaGrafix's photoetched engine grills for the 1/350 scale TOS 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, and an adhesive**. Additionally, to fold some pieces, you will need a pair of razor blades*** or a specialty tool such as PhotoFold from ParaGrafix.

* We prefer a #17 Xacto chisel blade.

** For adhesives we suggest super glue (AKA cyanoacrylate, AKA CA), or Micro Metal Foil Adhesive from Microscale Industries.

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

Key

Kit part (plastic):  1

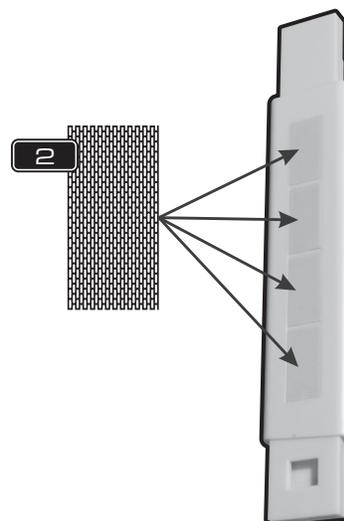
Photoetched part:  1

Warp Pylon Grills

Two Times

Assemble both of the nacelle pylons per kit instructions step 6.

Attach the photoetched grills (etch parts 2) on top of the kit grills (parts 31) on both pylons.



Primary Hull Lights

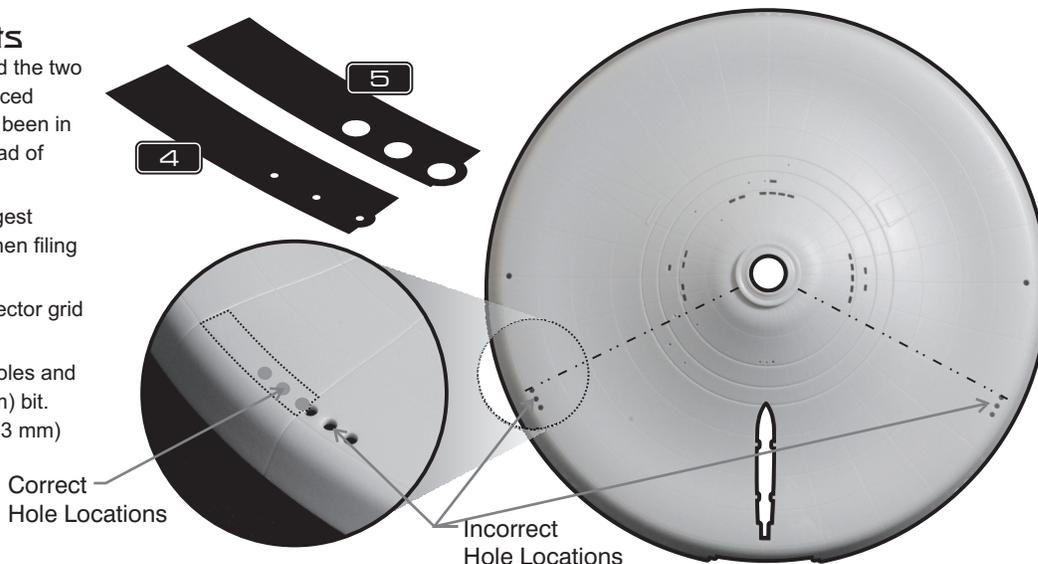
When this kit was first released the two groups of three lights were placed incorrectly – they should have been in front of the deflector grid instead of behind it.

Fill the existing holes (we suggest sticking sections of sprue in, then filing flush).

Note that the jigs fit in the deflector grid for easy alignment.

Use etch part 4 to align pilot holes and drill with a 1/32" (0.032", 8 mm) bit.
Use etch part 5 to align 0.12" (3 mm) holes.

Flip the jigs over to use on the other side of the hull.



Warp Engine Grills

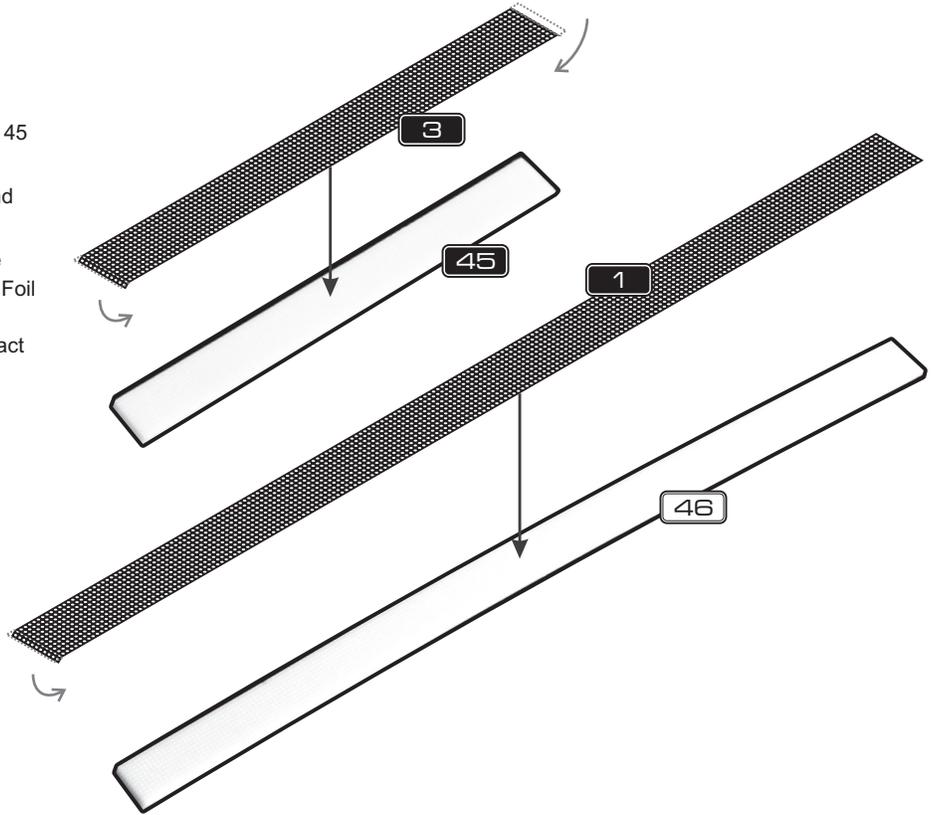
Two Times

Fold the small tabs at the ends of kit parts 1 and 3 to match the beveled ends of kit parts 45 and 46.

NOTE: Parts 45 only have bevels on one end (the end that faces forward).

TIP: If you are using the clear parts from the lighting kit, we suggest you use Micro Metal Foil Adhesive as it dries clear. Be careful when attaching the parts, though, as this is a contact style adhesive and the parts must be placed properly the first time.

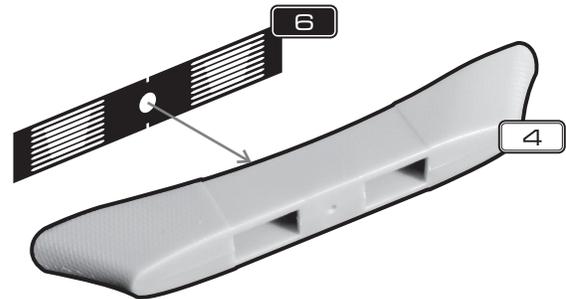
Beveled
End



Impulse Engine Grills

Replace kit part 109 with etch part 6. Note that there are three versions of part 6 – just pick whichever one you prefer.

NOTE: There are two small notches at the middle of the etched grill pieces. These can be used to help center the grills in the kit part.



Second Pilot* Warp Engine Caps

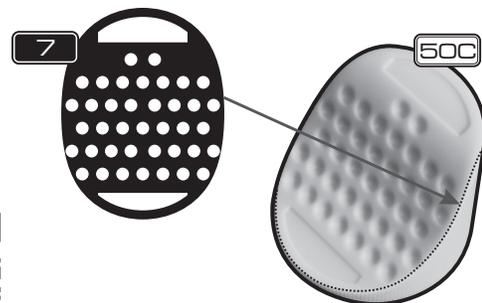
Repeat Two Times

To get crisper edges to the holes, and to aid in lighting if so desired, attach etch parts 7 to second Pilot end caps.

NOTE: To avoid these parts springing off after assembly, it is suggested that you anneal the parts before application. Since there are some very thin areas on these parts, we suggest using an electric element rather than foil annealing. See our annealing video for more information:

<http://www.paragrafix.biz/video-instructions-1.asp>

* These end caps are available with Polar Lights' Pilot Parts Pack (MKA018).



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