

CUTAWAY STARSHIP

Exterior
Photoetch Set
P/N: PGX162

PGMS
ParaGrafix™
Modeling Systems

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INTRODUCTION

Thank you for purchasing ParaGrafix's photoetched enhancement set for the AMT's 1:400 scale (aka Cut-Away) starship. 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>, <http://www.paragrafix.biz/video-instructions-1.asp>, and other resources available on the web.

If you plan on using the Bussard Collector rotors, we suggest purchasing the DLM resin detail parts set (item DLM-01) as it has a pair of complete domes replace the one complete and one split-in-two domes that come with the kit. Available at www.DLMparts.com.

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 an Etchmate 3C from Mission Models.

* We prefer a #17 Xacto chisel blade and a smooth glass or tile cutting board.

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

Key

Kit part (plastic): 

Photoetched part: 

BRIDGE

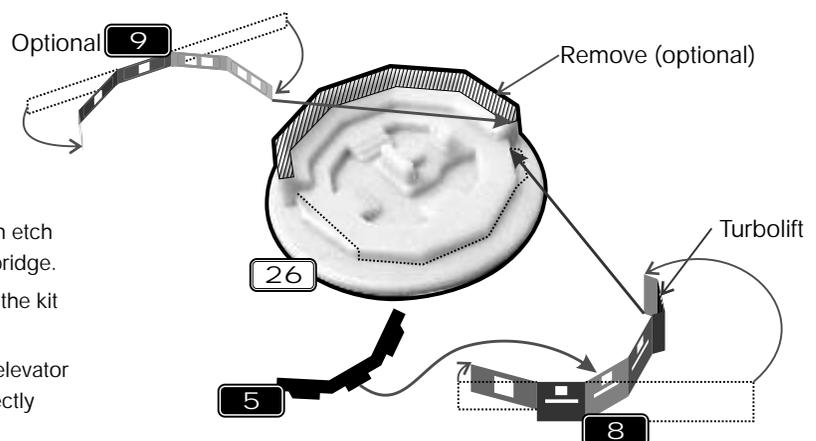
NOTE: Install clear parts in kit step23 before attaching the bridge.

Fold etch part 8 as shown and mount consoles (5) in the slots provided. Note the reverse curve at the turbolift.

If you are lighting your bridge, you can add the option etch part 9 after removing the upper consoles of the kit's bridge.

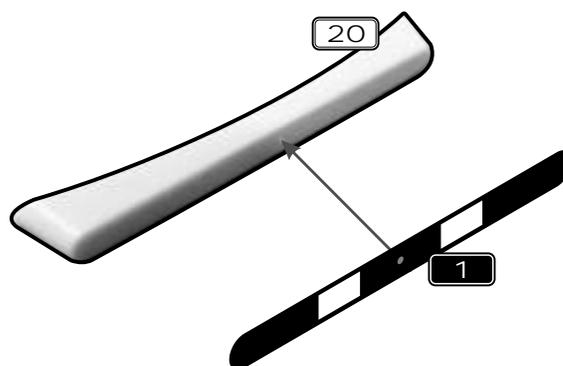
Then attach to part 26, and install in kit part 2 (as per the kit instructions).

TIP: You can either line up the turbolift door with the elevator shaft on kit part 2, or have the main viewer facing directly forward.



IMPULSE ENGINE

Attach etch part 1 to kit part 20 as shown. If you will be lighting your impulse engines, cut a hole in kit part 20 to allow light through.



BUSSARD COLLECTOR ROTORS

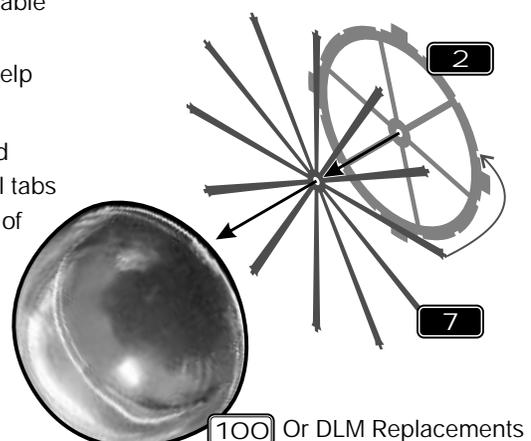
NOTE: The kit supplied cut-away domes (parts 102 and 103) are unsuitable for using with these etch pieces.

TIP: Anneal the rotors (etch parts 7) before bending them to shape to help ensure a strong bond.

Pre-shape rotors (etch parts 7) over the kit's clear domes (parts 100 and 102/103). Then attach both etch parts 7 to both parts 2 so that the small tabs at the end of each rotor arm fits into the corresponding slot at the edge of each "wheel".

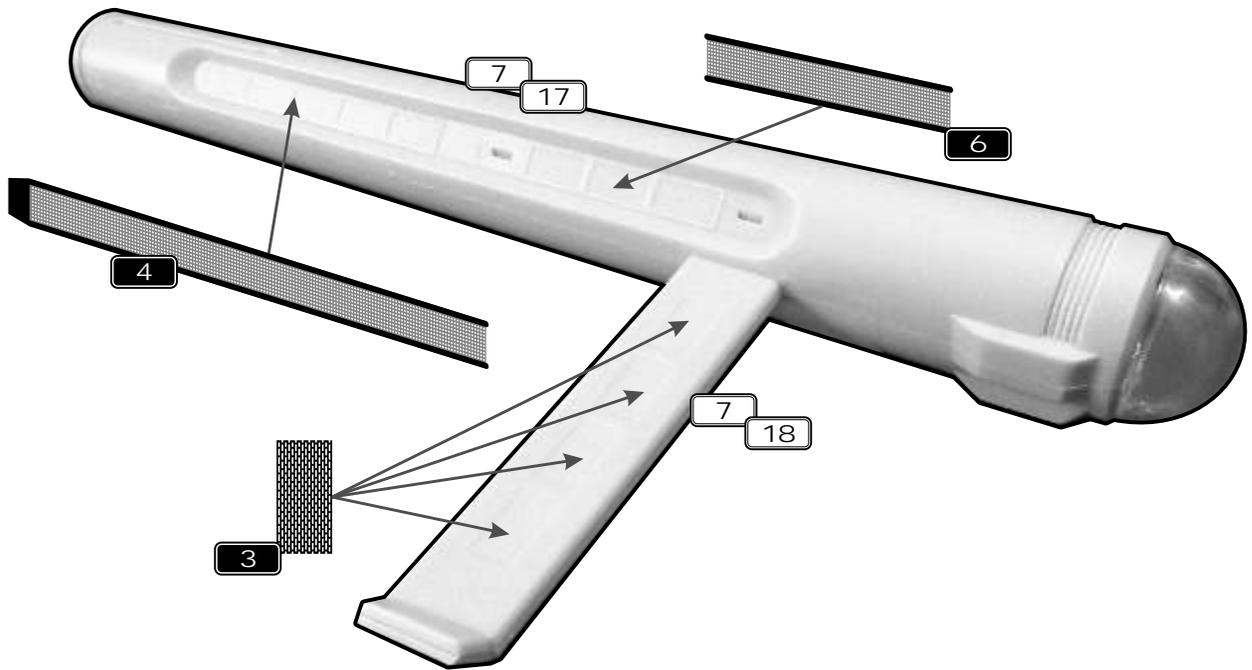
The tabs on the edges of the wheels fit into the corresponding slot of kit part 100.

An axle opening is provided in the etch parts if you plan on motorizing the rotors. (We do not have specific recommendations on how to do this.)



WARP ENGINE GRILLS

Attach the grills (etch parts 4 and 6) to kit parts 7 (starboard side) and 17 (port side) as shown. Note that these grills have through holes so that you can light them if desired.



WARP PYLON GRILLS

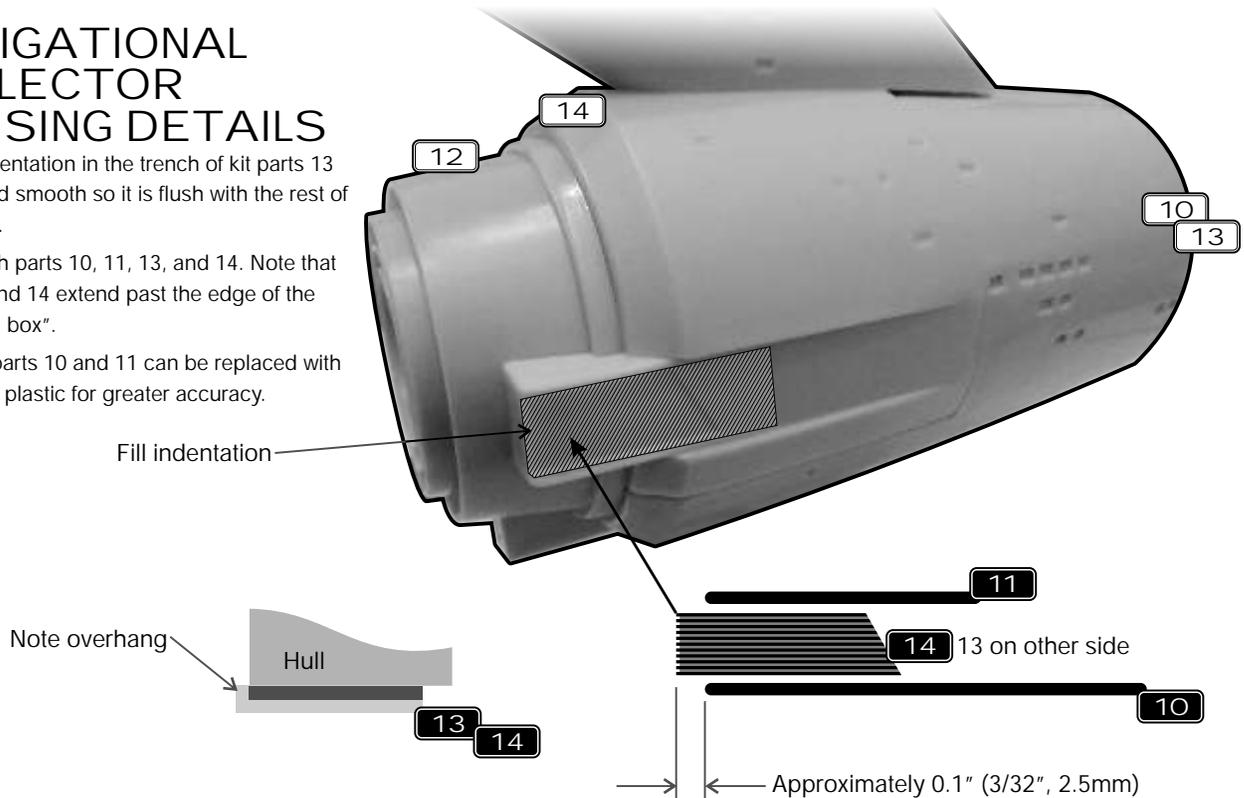
Attach the 8 grills (etch parts 3) to the pylons (kit part 7 and 18) to cover the kit detail.

NAVIGATIONAL DEFLECTOR HOUSING DETAILS

Fill the indentation in the trench of kit parts 13 and 14 and smooth so it is flush with the rest of the trench.

Attach etch parts 10, 11, 13, and 14. Note that parts 13 and 14 extend past the edge of the "mounting box".

Tip: etch parts 10 and 11 can be replaced with half-round plastic for greater accuracy.



BUSSARD COLLECTOR CLAMPS

Attach 3 clamps (etch parts 12) to each warp engine's dome.

Tip: The "bolt" is indented into the part (otherwise they would be extremely fragile). For greater accuracy, add a drop of super glue or other material into the hole to make it bulge.

Note the orientation of the parts in the diagram to the right.

