

# K'TINGA SHUTTLE BAY SET



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## INTRODUCTION

Thank you for purchasing ParaGrafix's shuttle bay set for Polar Lights' K'Tinga-class Battle Cruiser. 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).

\* We prefer a #17 Xacto chisel blade.

### Key

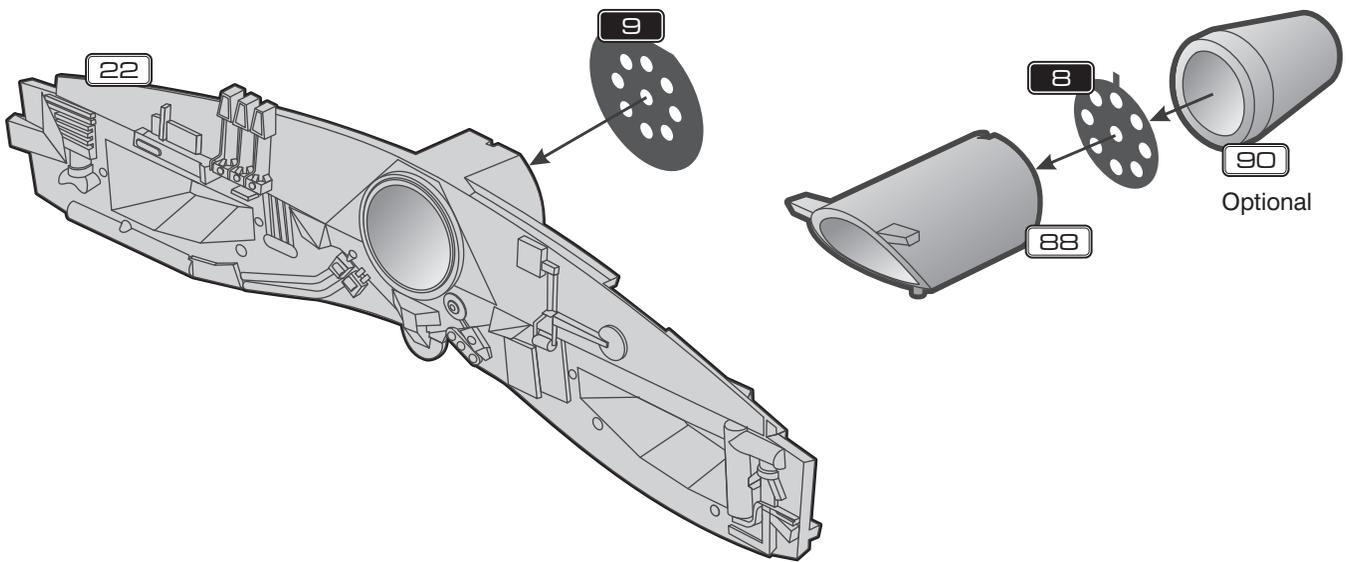
Kit part (plastic): 1

Photoetched part: 1

## TORPEDO TUBES

**NOTE:** These torpedo tube inserts are designed to hold 1.8mm LEDs. The additional, center holes are intended for a "firing" light which works separately from the six others.

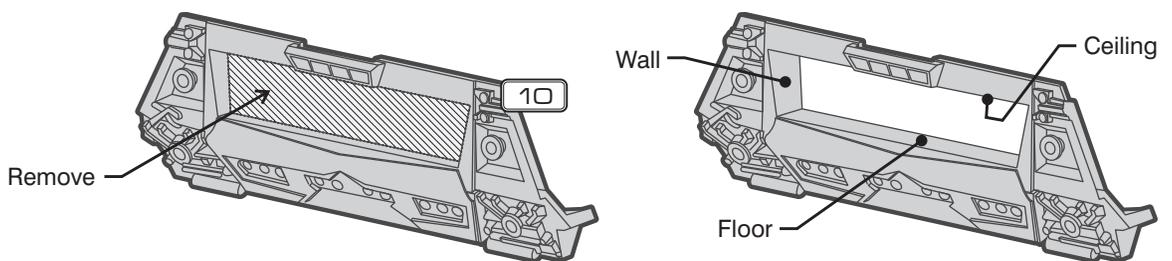
Attach etch parts 8 and 9 to parts 88 and 22 respectively. Depending on your lighting system (if any) you can omit kit part 90.



## REMOVE SHUTTLE BAY DOORS

Remove kit part 10's doors using your favorite method – drilling and filing; scribing with a hobby knife, etc.

File the walls, floor, and ceiling smooth so that there are no bumps, ridges, etc. Test the size of the opening at the floor using the jig (see next page) to ensure that it and the shuttle bay itself will insert smoothly and be able to lay flat on the floor.



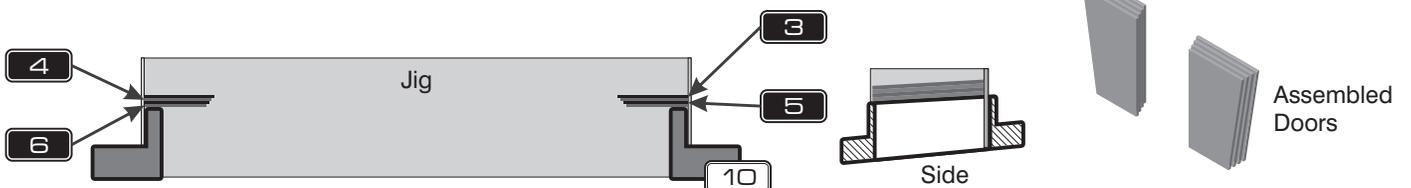
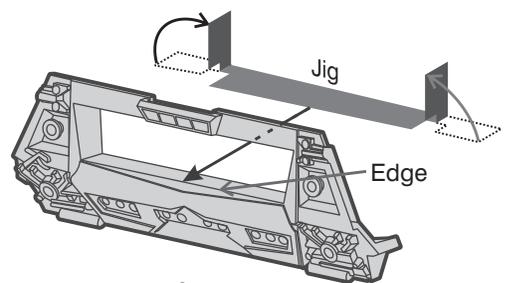
## ASSEMBLE SHUTTLE BAY DOORS

**NOTE:** Do not glue the doors to kit part 10 at this time. Some further adjustments to 10 still need to be addressed.

Fold the jig and TAPE it in place on kit part 10 so that the "lip" hits the end of the door opening.

Loosely tape etch parts 6 (smallest door) to the back of the wall so that they touch both the side and bottom of the jig. Glue parts 5, 4, and 3 in order to part 6. Make sure you do not glue them to the jig. Once the glue has set, remove the assemblies and set them aside.

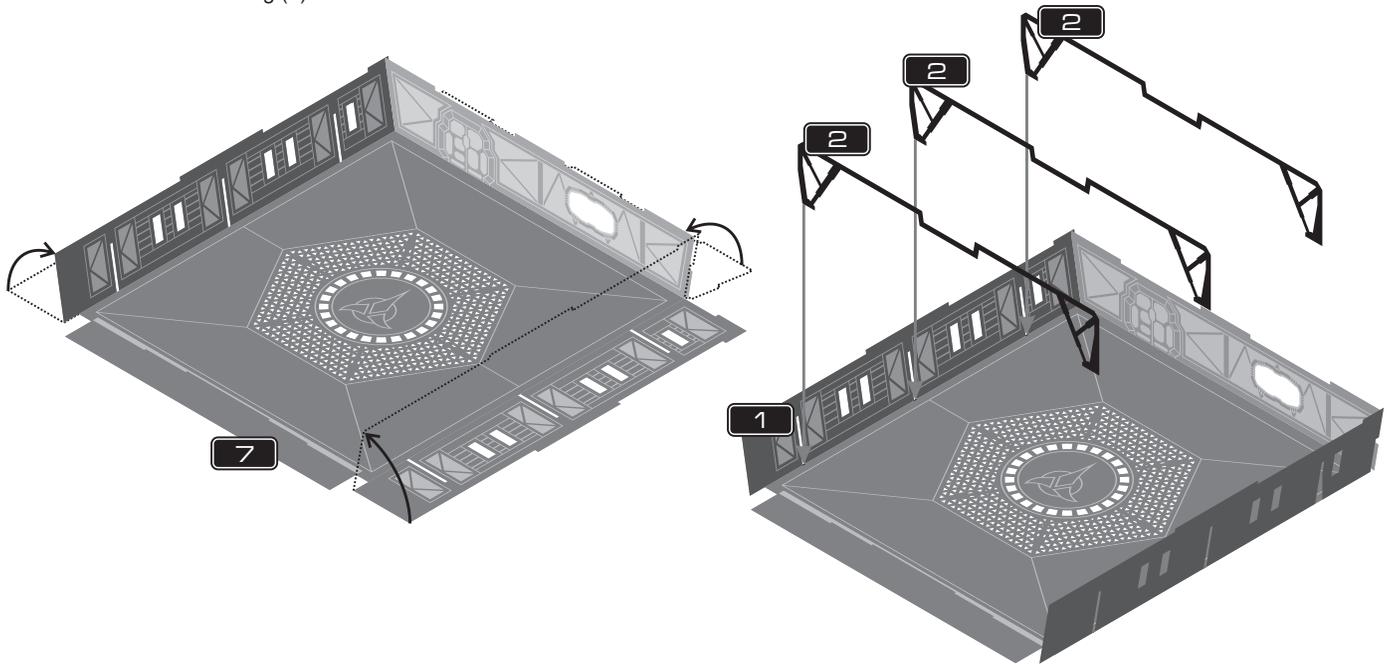
**Note:** because of the angles, the bottoms of the doors will be slightly askew as shown in the drawing below marked "Side". This is why the doors are positioned ahead of time.



# SHUTTLE BAY CONSTRUCTION

Fold etch part 7 as shown below. Slot girders (2) into the slots along the sidewalls of the shuttle bay.

**DO NOT** attach the ceiling (1) at this time.



## ASSEMBLE SHUTTLE BAY

### Modify Kit Part

Kit part 10 needs to be slightly modified (again) to permit the doors to be installed properly. Temporarily tape the partially completed shuttle bay into place so that the lip extends all the way to the edge of the floor of kit part 10. Tape the ceiling (etch part 1) in place, then mark the edges of the etch doors, both width and depth.

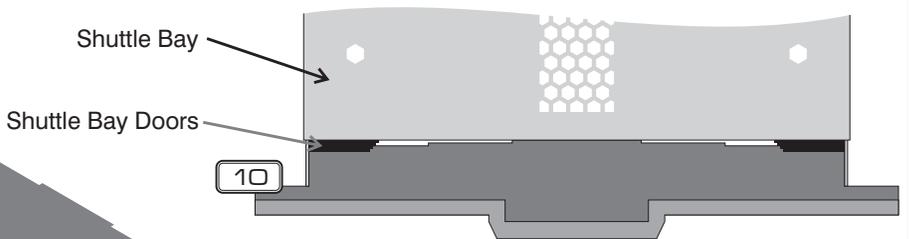
Remove the etch parts and file away material from the top kit part 10 to allow the doors to fit in place without interfering with the ceiling.

### Assemble Shuttle Bay

Glue the shuttle bay assembly in place in the same location as noted in the last step.

Mount the assembled shuttle bay doors so that they hit the floor and walls of the shuttle bay.

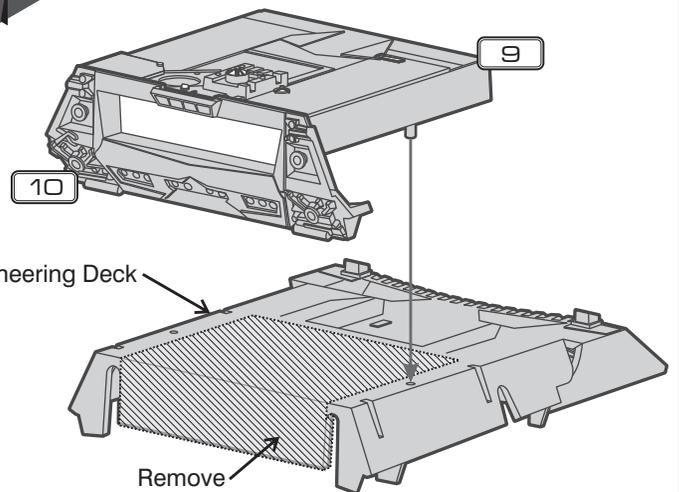
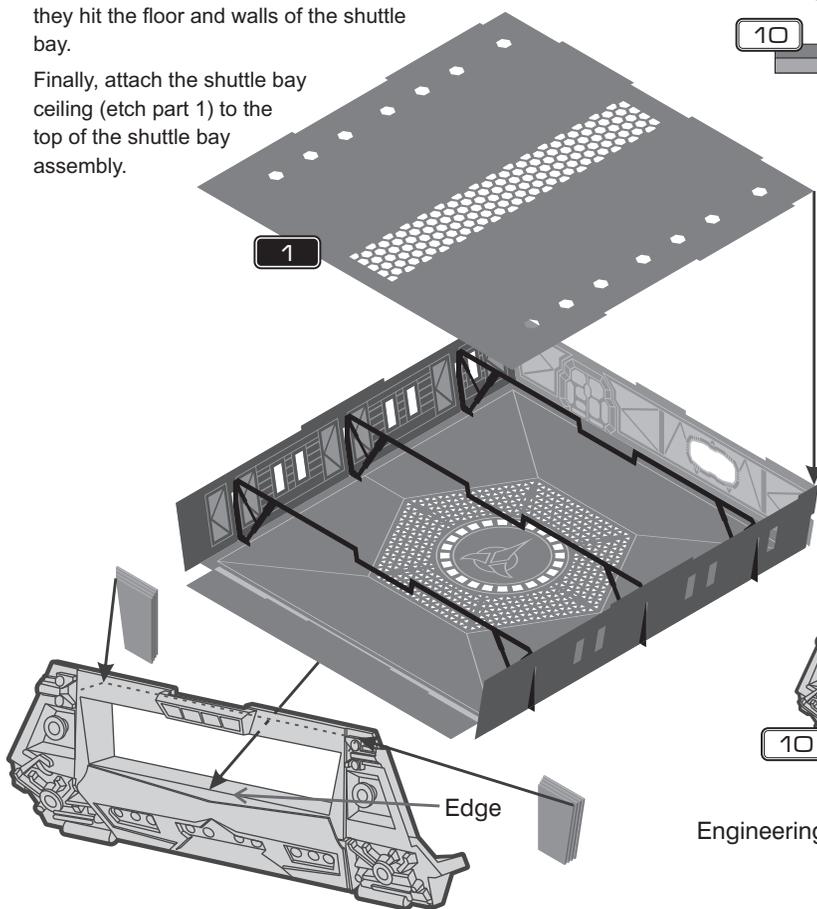
Finally, attach the shuttle bay ceiling (etch part 1) to the top of the shuttle bay assembly.



### Lighting Options

Use Micro Krystal Klear or Testors Clear Parts Adhesive and Window Maker to fill the holes in the photoetch. This will help catch any light that you supply, while also providing the visual cue that these are not empty holes.

**NOTE:** You can use food coloring to tint the MKK or TCPA&WK. Alternatively, tinted clear paints (such as those available for model car turn signals and such) may be painted on from the backside to provide color.



### Final Assembly

Remove the material shown from the engineering deck where shown to make room for the shuttle bay. Assemble all of the kit parts per instruction step number 5.



Attleboro MA 02703 USA  
+1 508-431-9800  
www.ParaGrafix.biz

Many thanks to Paul M. Newitt for his reference help and design ideas.

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