

18" ENTERPRISE

Photoetched Shuttlecraft Hanger

PGMS
ParaGrafix
Modeling Systems

INTRODUCTION:

Thank you for purchasing ParaGrafix's Enterprise Photoetched Shuttlecraft Hanger. This kit is made for use with the AMT/ERTL 1:650 scale (18") Enterprise model.

No modification to the plastic kit is required, though some parts or assemblies are intended for advanced modelers. If you are inexperienced with working with photoetched parts, read the basic primer at: http://www.starshipmodeler.com/tech/jl_pe.htm and other resources available on the web.

TIPS:

Cyanoacrylate adhesive (aka CA or super glue) is the best option for bonding pieces together and to the Enterprise herself.

Paint all pieces before assembly. Most parts of this kit will be inaccessible after assembly. All parts (except the clamshell doors) are placed on the fret so that the visible side is on the side with text as shown. This will make painting easier. The clamshell doors will need to be painted on both sides.

Three 2.2mm (0.87") holes are provided in piece 1B for lighting. They will hold 2 mm or smaller LEDs (not included).

The clamshell doors should be annealed so that they will be flexible enough to bend to the proper shape without wanting to spring back flat. Don't panic! Annealing just means heating the parts until they glow red and then allowing them to cool slowly. We have left this step until last so that since it will be easiest to do this heating while you can still grab the part on the fret.

To cut the individual pieces from the fret, place the etch on a piece of a glass cutting board (or sheet of glass, preferably tempered) and cut through using a flat hobby knife. I prefer Xacto's small-sized chisel blade, # 17, ground with a slight curve.

Glass is important - use of a "self healing" cutting pad will result in bent pieces as the board flexes. If using plain glass instead of a cutting board you should use tempered glass to avoid breakage.

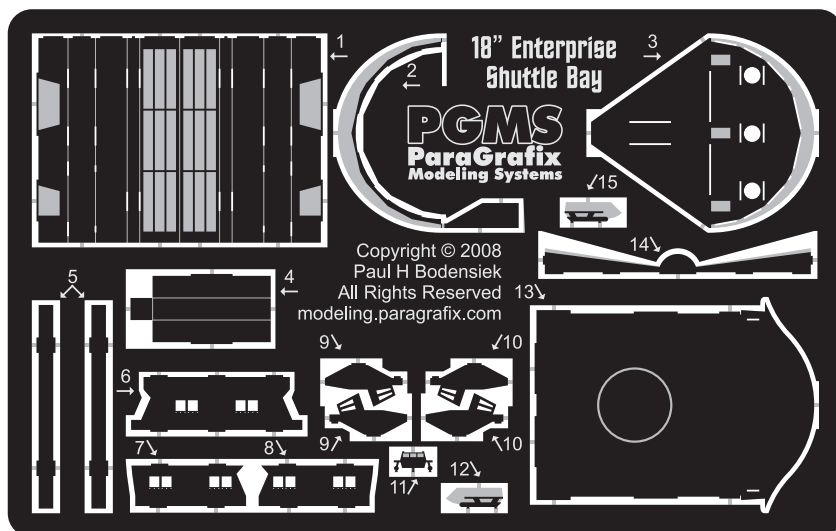
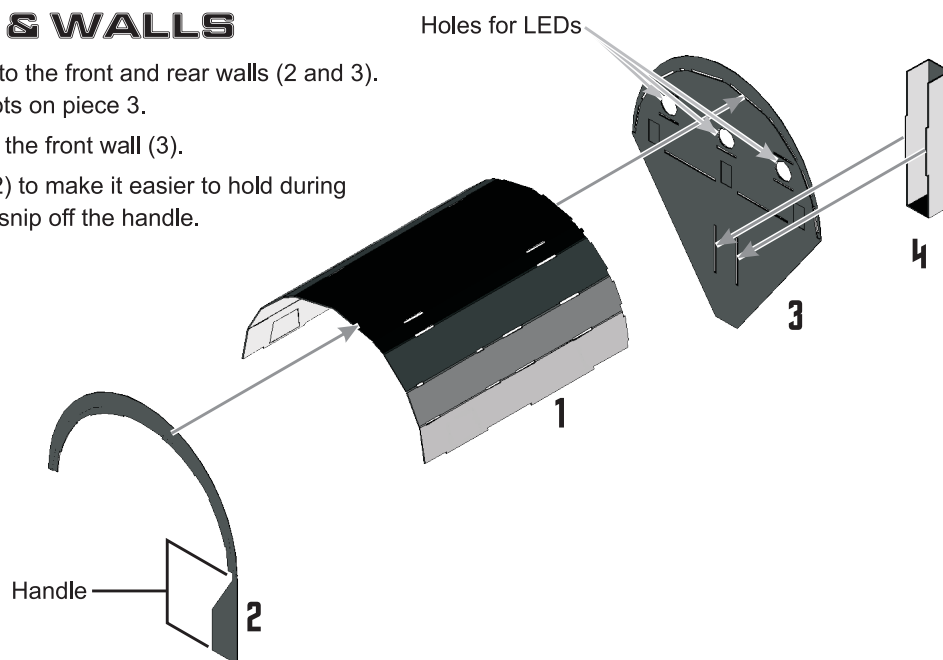
STEP ONE: CEILING & WALLS

Fold the wall/ceiling (1) as shown and adhere to the front and rear walls (2 and 3).

Note that the tabs on the wall/ceiling fit into slots on piece 3.

Fold and adhere the support (4) to the back of the front wall (3).

A handle has been included on the rear wall (2) to make it easier to hold during assembly. Once the adhesive has fully cured, snip off the handle.

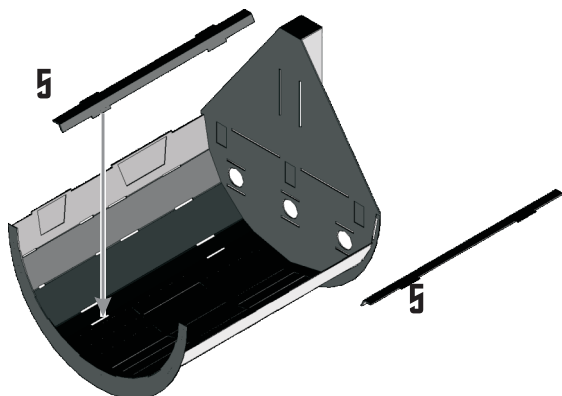


PHOTOETCH SHOWN FULL SIZE

STEP TWO: AIR HANDLERS

Fold the air handlers (5) as shown and attach to the ceiling.

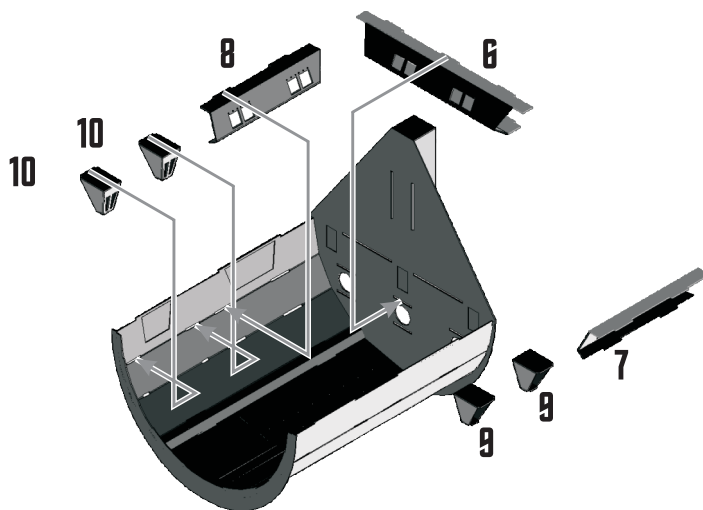
Both sides attach the same way.



STEP THREE: OBSERVATION LOUNGES

Fold the observation lounges as shown, using the profiles below as a guide.

Attach pieces 9 and 7 the same as shown for 8 and 10.



STEP FOUR: SHUTTLES, DOOR & FLOOR

OPTIONAL: Adhere one or more of the shuttlecraft (11, 12, 15) to the floor.

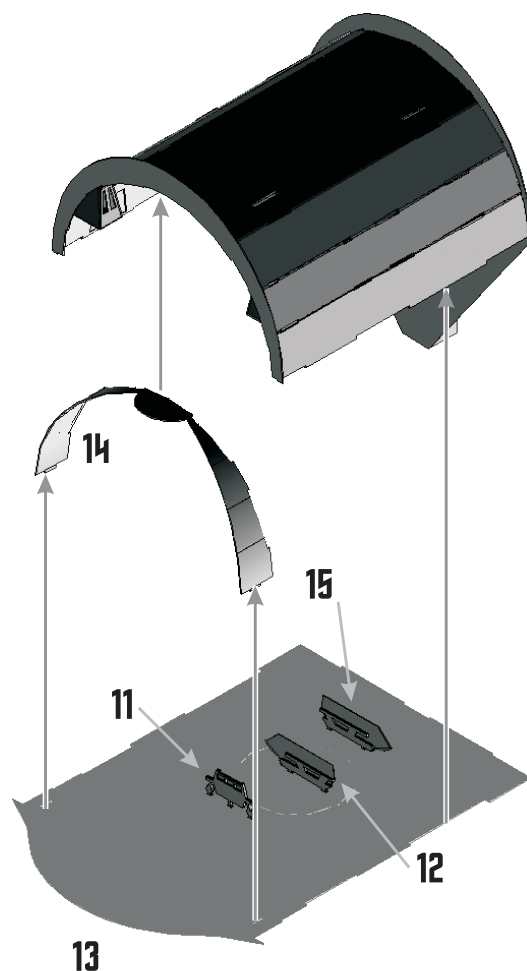
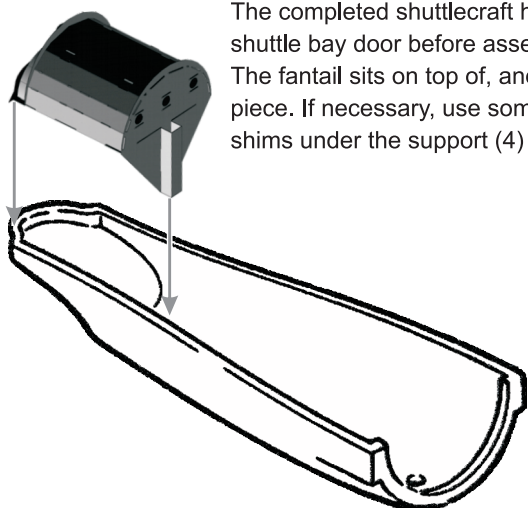
Anneal the door (14) and allow to cool. Shape the door over the existing kit piece.

Adhere the floor and door to the main assembly as shown. Note the slots at the back of the front wall (3) for the corresponding tabs in the floor, and the "ratchet" affect on the rear wall (2) corresponding to the tabs in the door.

STEP FIVE: FINAL ASSEMBLY

The completed shuttlecraft hanger simply replaces the kit shuttle bay door before assembly of the secondary hull.

The fantail sits on top of, and flush to, the lower hull kit piece. If necessary, use some of the scrap etch fret as shims under the support (4)



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