

SPACE ARK

PGMS
ParaGrafix™
Modeling Systems

Under Construction Conversion Set

For Pegasus
kit #9011

INTRODUCTION

Thank you for purchasing ParaGrafix's Under Construction Conversion Set for the Pegasus Hobbies' 1:350 scale Space Ark.

Materials

In addition to the the parts included in this set, 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.

** To avoid having the file catch on the thin photoetched parts, we suggest using diamond files because of their random surface. Diamond files are available from Tamiya and many tool retailers, such as Harbor Freight.

Working with Photoetch

If you are unfamiliar with photoetched parts, you might want to view our video how-to guide or read our primer.

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

Primer: <http://www.paragrafix.biz/instructions.asp>

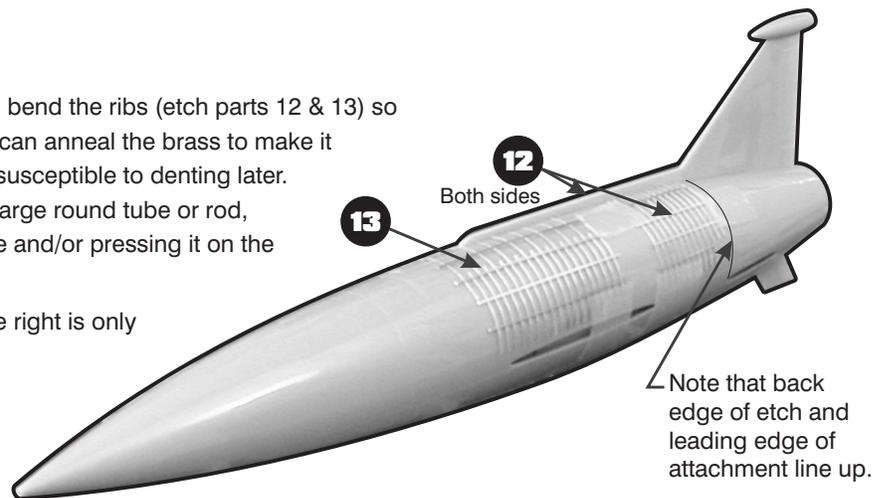
IMPORTANT - Holes in tank girders

Please note that the holes in the tank girders (etch parts 1 through 8) are based on the nominal diameter of the supplied tubing. Because of standard variations in the tubing diameter, it may be necessary to enlarge the holes slightly. This is easily done using a ½ rough diamond file and light pressure.

Bend the Ribs

Before making any modifications to the hull, bend the ribs (etch parts 12 & 13) so that they lie flat and smooth to the hull. You can anneal the brass to make it easier to bend, but note that it will be more susceptible to denting later. Alternatively, you can roll the pieces over a large round tube or rod, then fine tune the shape with finger pressure and/or pressing it on the kit.

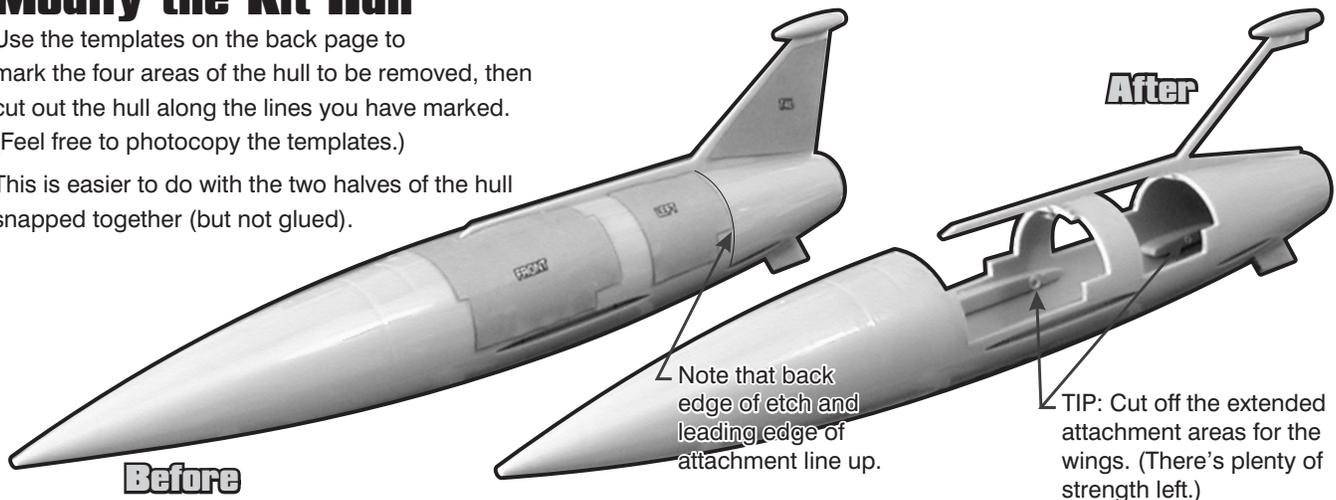
Note that the tape shown in the figure on the right is only there to hold the etched parts in place for photography.



Modify the Kit Hull

Use the templates on the back page to mark the four areas of the hull to be removed, then cut out the hull along the lines you have marked. (Feel free to photocopy the templates.)

This is easier to do with the two halves of the hull snapped together (but not glued).



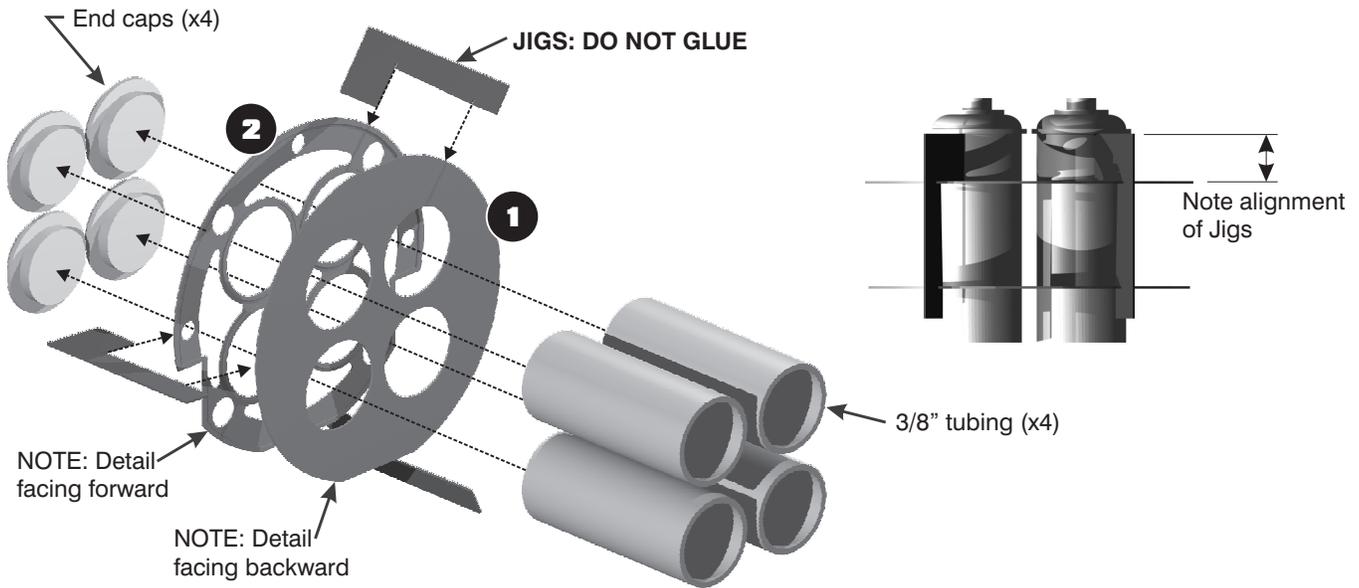
Forward Tanks & Girders

Assemble the tanks as shown. (Test fit the 3/8" tubing to ensure that it slides easily into the holes in girders 1 and 2 and adjust as necessary.)

Use the jigs to correctly space the all of the pieces. As shown in the right-hand image, the end caps should fit snugly against the end of the jigs.

The jigs are for placement guidance only. **DO NOT GLUE THE JIGS IN PLACE.**

MAKE SURE that the pieces are aligned as shown (note large flat at bottom of piece 2) or they will not fit properly.

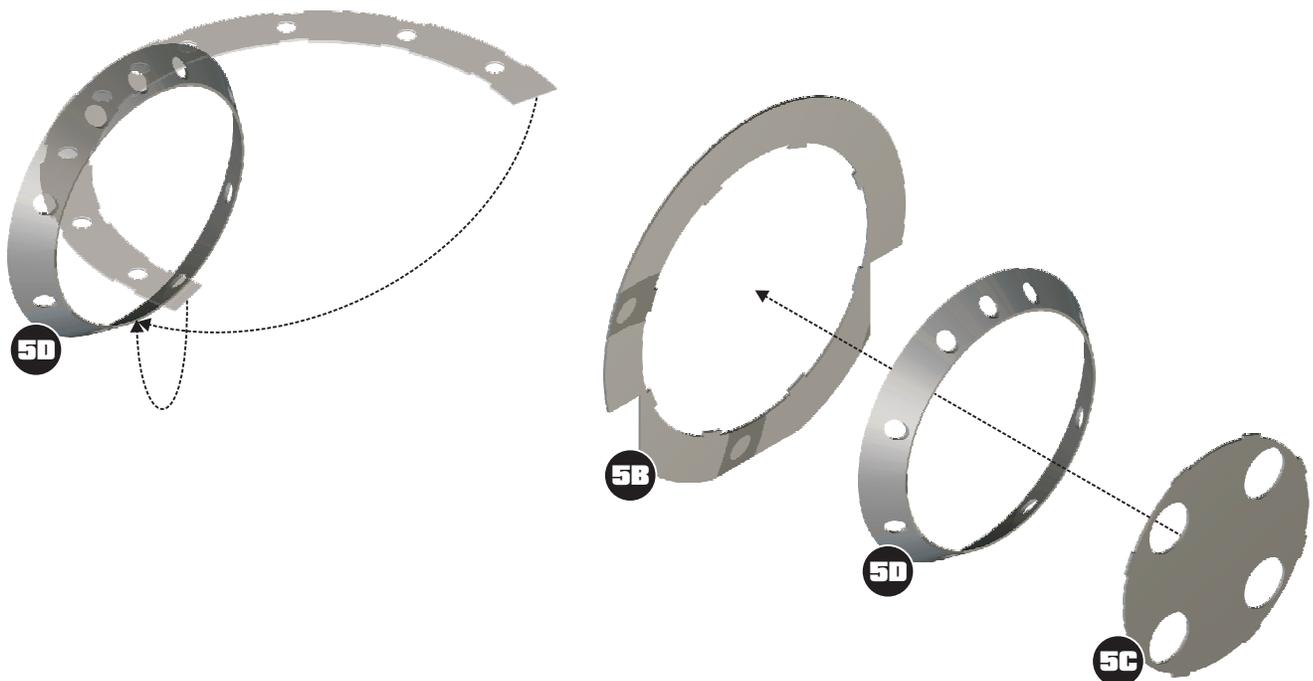


Optional 3-dimensional Girder

Tank girder 5 is available in two optional styles - a 2D (flat) version (5A) for modelers less experienced with photoetch, and a 3D version made up of 3 parts (5B, 5C, and 5D) for more advanced modelers.

If you decide to use the 3D version, assemble is now as shown below. It should not be necessary to anneal part 5D if you gently bend it over a 1/2 inch or so diameter tube, carefully rolling it into the conical shape shown and glue the overlapping seam.

With 5D rolled into shape, assemble the three pieces as shown below.

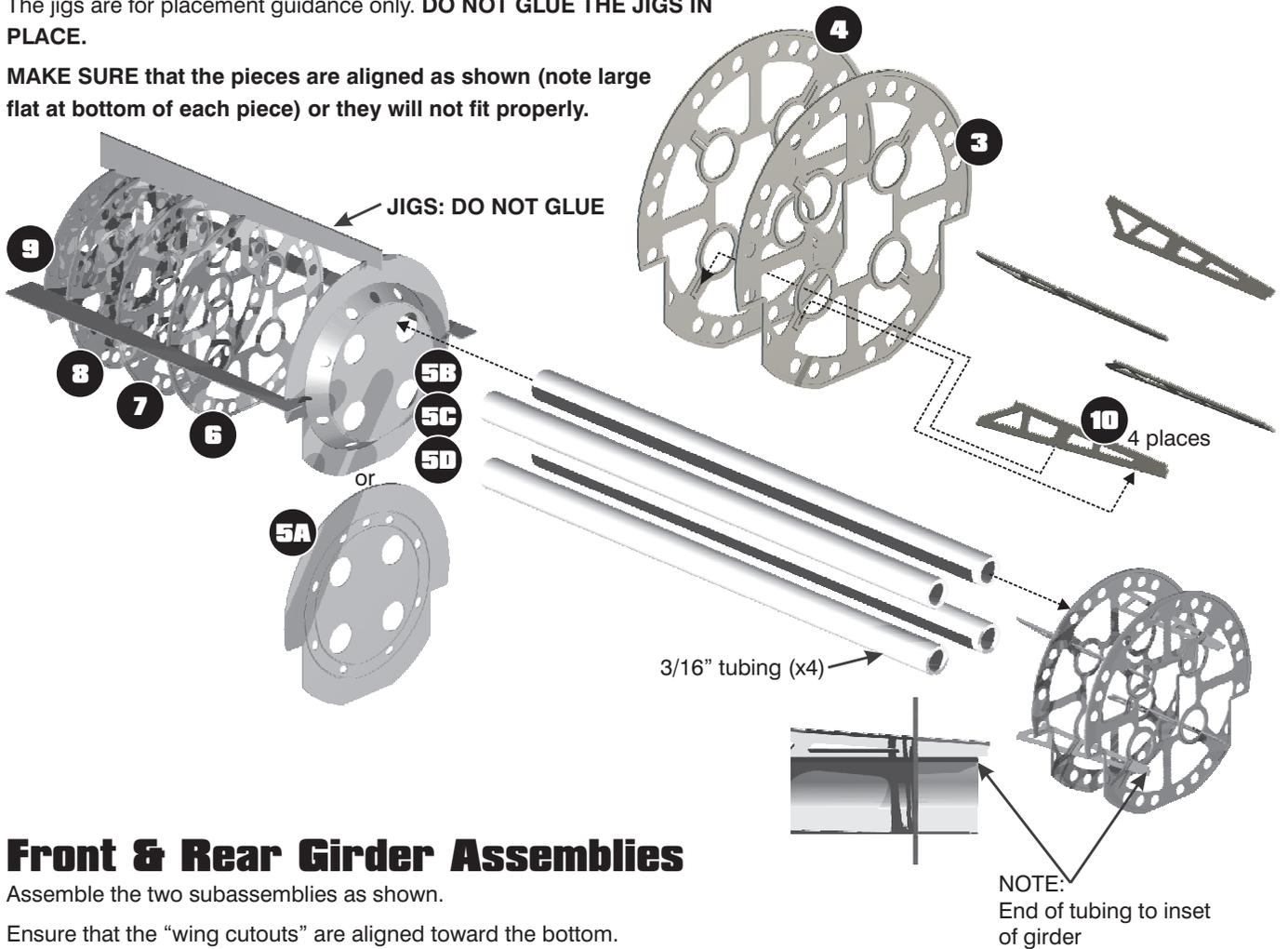


Rear Tanks & Girders

Assemble the tanks as shown. (Test fit the 3/16" tubing to ensure that it slides easily into the holes in girders 1 and 2 and adjust as necessary.)

The jigs are for placement guidance only. **DO NOT GLUE THE JIGS IN PLACE.**

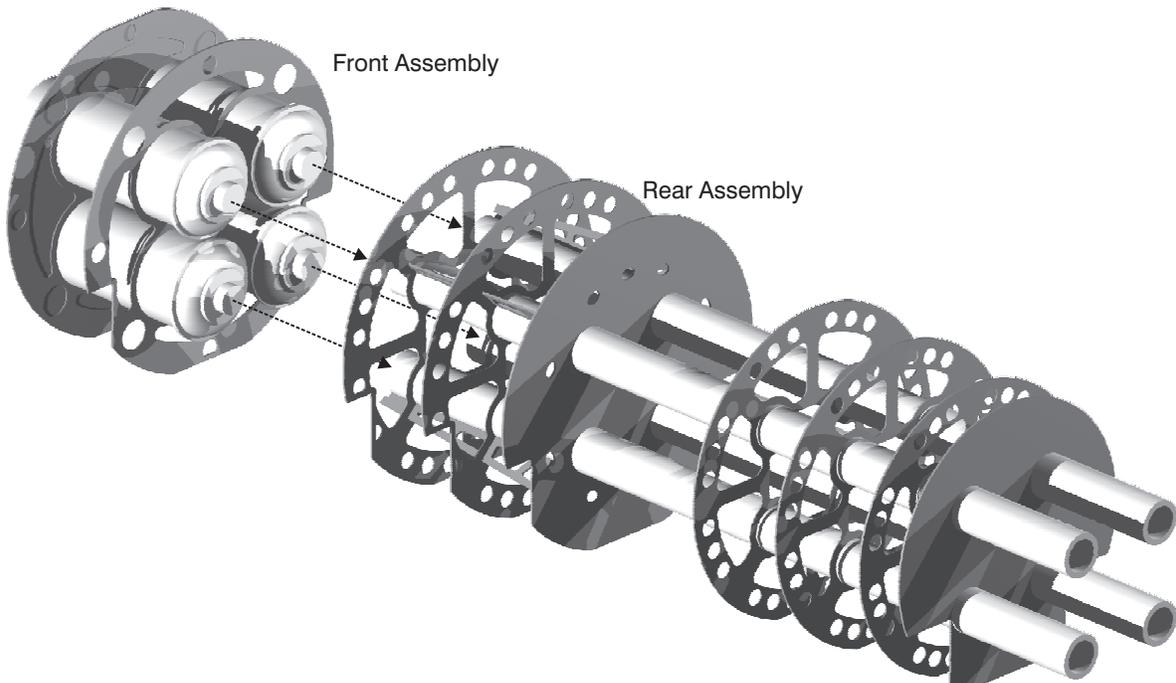
MAKE SURE that the pieces are aligned as shown (note large flat at bottom of each piece) or they will not fit properly.



Front & Rear Girder Assemblies

Assemble the two subassemblies as shown.

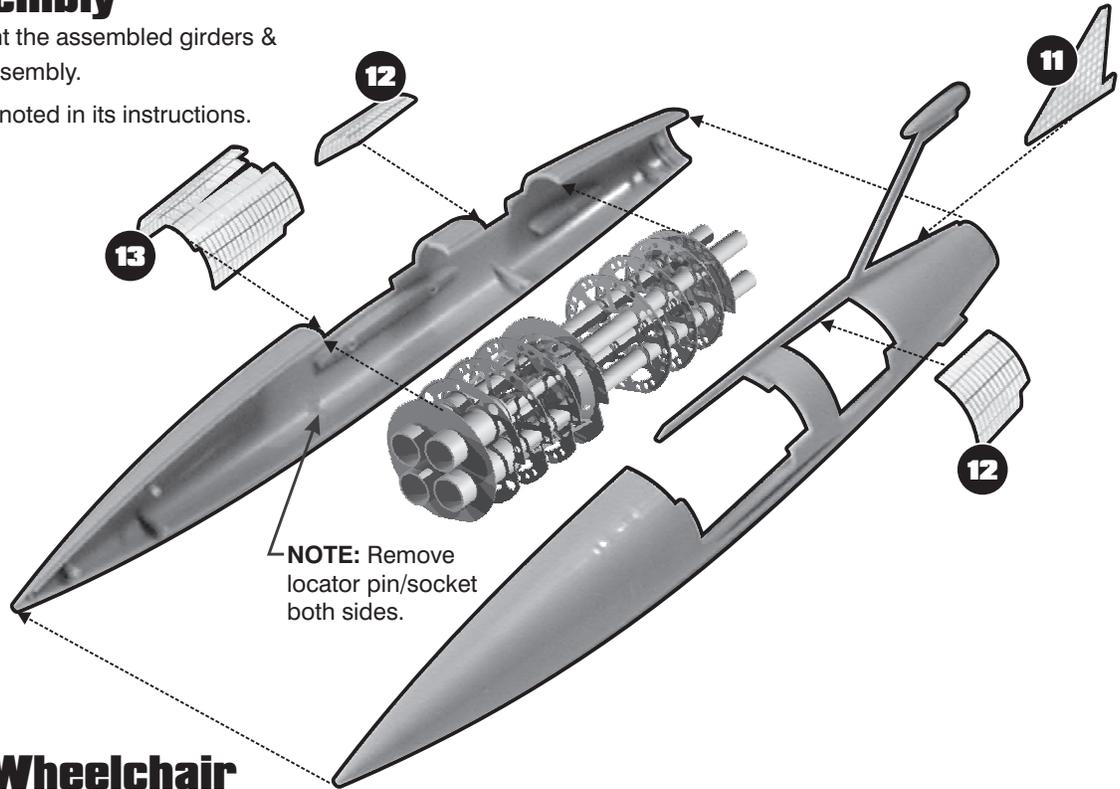
Ensure that the "wing cutouts" are aligned toward the bottom.



Final Assembly

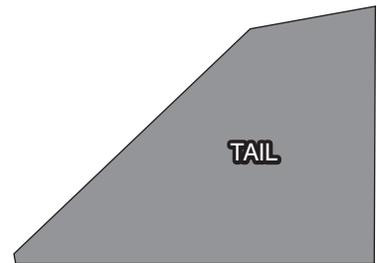
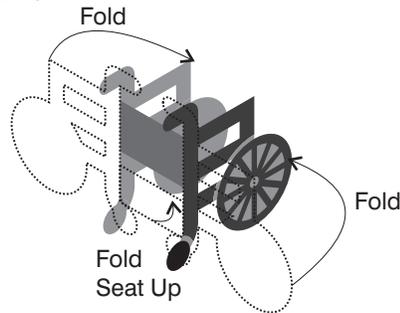
You will want to paint the assembled girders & tanks before final assembly.

Complete the kit as noted in its instructions.

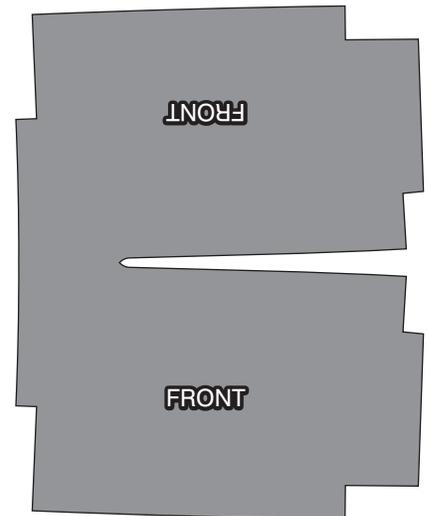
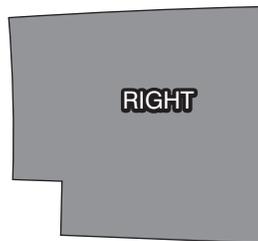
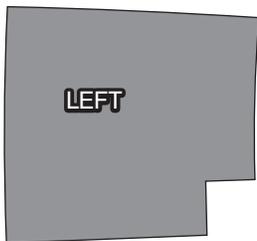


BONUS: Wheelchair

Fold up the wheelchair as shown. You will not require a folding tool to do this.



Hull Cutting Templates



PGMS
ParaGrafix
Modeling Systems

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

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