

Mini SUPER-R

Model Kit

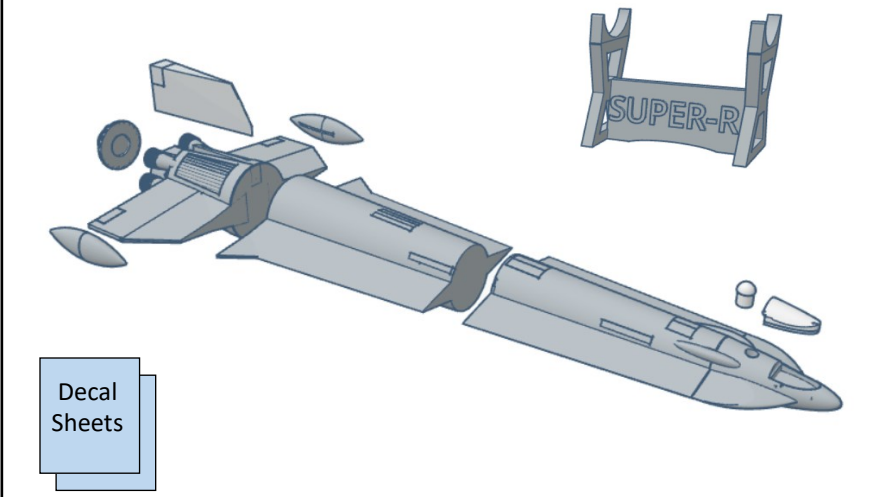


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by Gary Reign
<http://www.reign.com/superr.html>

Warning: This kit is produced using Photopolymer resins. Take precautions when sanding this material. Always use a dust mask and wear safety glasses.

Warning: This kit is not suitable for children under 14 as it contains small parts.

Verify your kit contains the following parts:

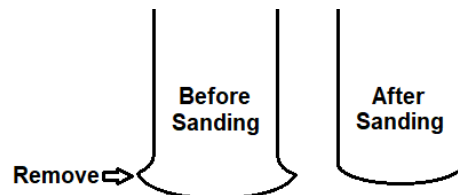


Prepping the Parts

1 The resin parts have been thoroughly cleaned and should not require additional cleaning if handled with care.

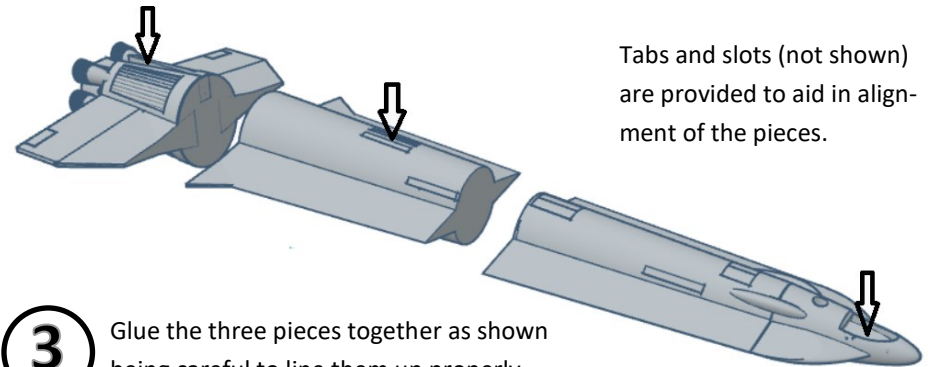
Some of the parts may require mild sanding in the areas where the model rested on the 3D printer build plate. This results in what's referred to as "elephant's foot", i.e. a slightly raised ridge on one end of the model. You'll be able to feel the bump with your finger. Use some 400 or so grit sandpaper to gently remove this before assembly.

This example shows the before and after sanding to eliminate this artifact.



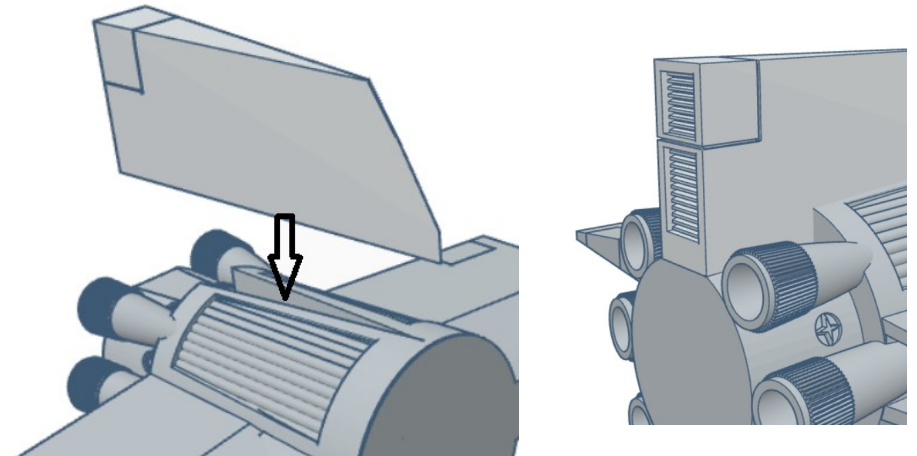
Assembly: Please read all of the instructions first to get a feel for how the model is assembled. CA (cyanoacrylate) glue is recommended for assembling the model.

2 Identify the top of the main body tubes. The rear section has a slot for the top fin. The middle section has scribed lines and the nose section has the cutout for the cockpit canopy.

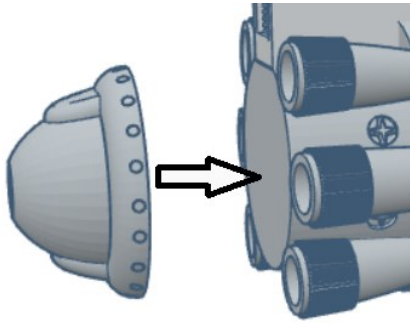


3 Glue the three pieces together as shown being careful to line them up properly. Use modelling putty to fill any gaps.

4 Insert the top fin to the body tube by sliding it into the slot at the top of the engine tube. Verify that the back of the fin is flush with the back of the engine tube as shown below and is not sticking out past the back. You may need to sand this down so it fits snugly all the way to the end. Glue it in place once it has been properly fitted.

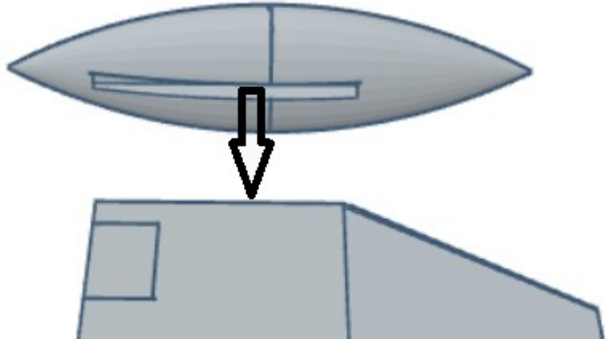


- 5 Add the rear engine nozzle, aligning it as shown below.



- 6 **NOTE:** The wing pods are mirror-imaged as the slot for mounting is not centered. The end of the pod with the shortest distance to the slot should be glued toward the back of the wing as shown below.

Glue the two wing pods to the wings using the slots provided in the pods. If necessary, sand the wing so that it fits snugly in the pod opening.



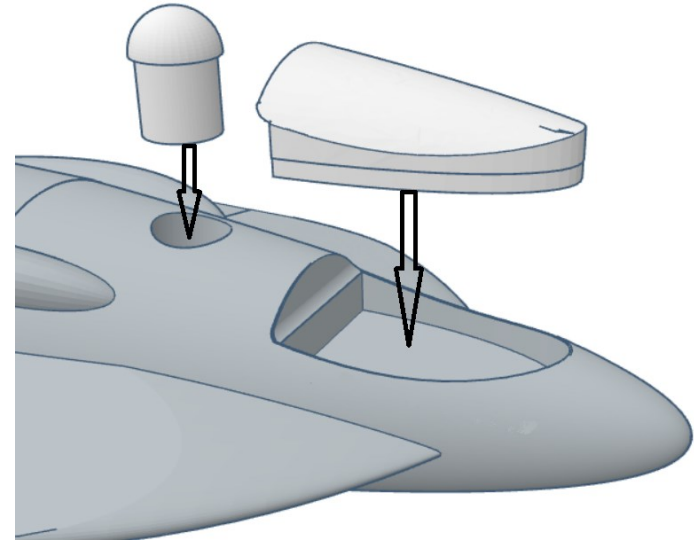
More of the pod should extend forward of the wing than behind it.



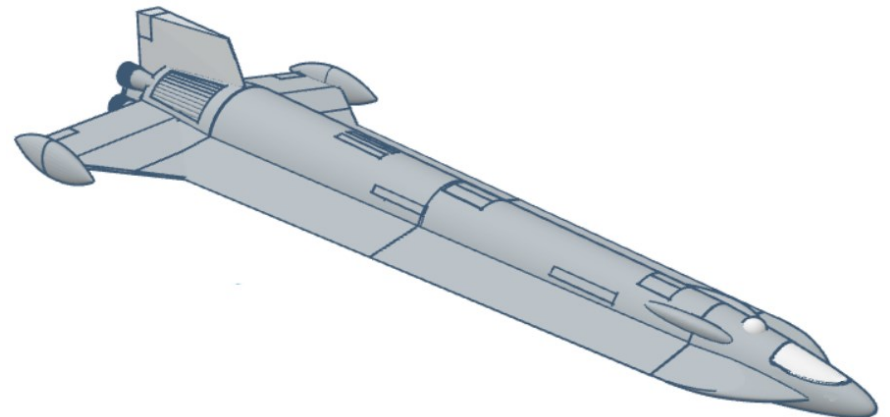
- 7 **Note:** You may wish to delay installing the translucent pieces until after you have painted the model.

Locate the translucent dome and glue it in the hole at the top of the body tube.

Locate the translucent main cockpit canopy and glue it to the cutout in the nose. To increase visual impact, paint the cutout area below the canopy silver.



- 8 When completed, the model should look like this. You may need to use some putty to fill any gaps in the model before priming and painting.



9 Painting the Model

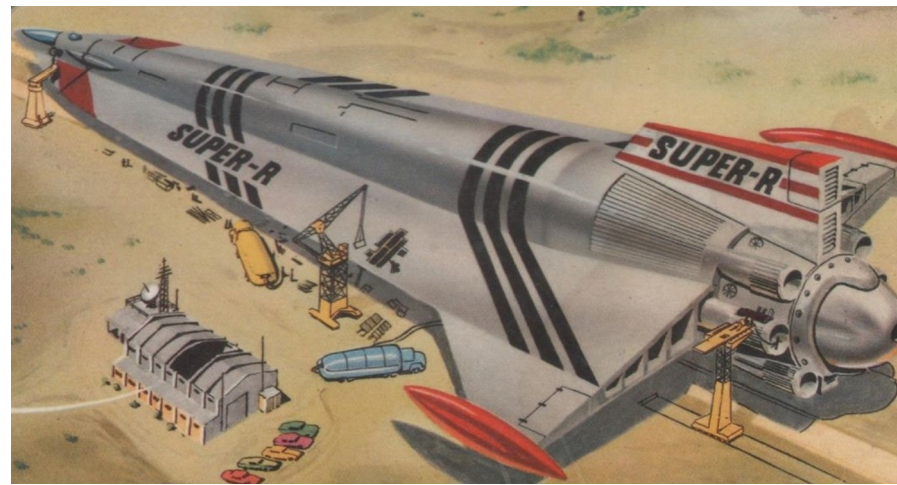
The model can be painted with any type of paint, acrylic or solvent based. Sand any rough spots with fine grade sandpaper. Prime first with a good fine detail primer (like Tamiya Fine Surface Primer). Do not use a “filler” type primer or you may obscure the details. The color of the ship is brushed aluminum with bright red trim. The model shown below was painted with Alclad Matt Aluminum. The red areas were painted with Vallejo Bright Red acrylic paint. After priming and painting the main body color, paint the two outboard wing pods and the top of the main fin with bright red. All of the other red and black markings are provided by decals.

10 Applying the Decals

Use the pictures for decal placement. Decals are water soluble. Handle the decals with care as they are thin and very small. These are home-made decals printed on an inkjet printer and sealed with clear laquer. If you work them too long, they can crack and lose color. Extra copies are provided if needed. The red decals are printed on a white background. Carefully cut the decal as close to the red as possible to avoid a white edge around them. The black stripe and logo decals are printed on clear film.

For best adhesion and to conform to the curves, use one of the decal setting solutions available (i.e. Solvaset, etc.). Don't overuse it or the decals could melt.

After the decals have been applied and dried, overspray the model with a clear gloss or matt coat to seal the decals to the model. The stand can be painted the color of your choice. You can now glue the two translucent canopies to the model.



The picture above is from the Supercar Annual Magazine (1962), which introduced this model to the Gerry Anderson universe.

This is a photo of the assembled and painted prototype model.

