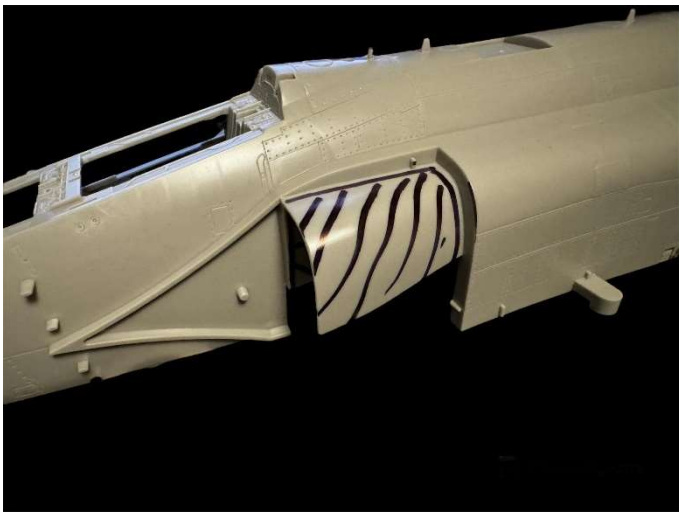
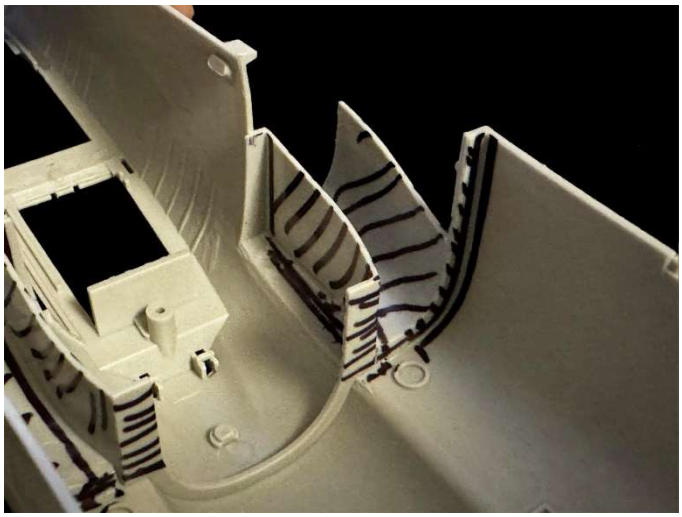
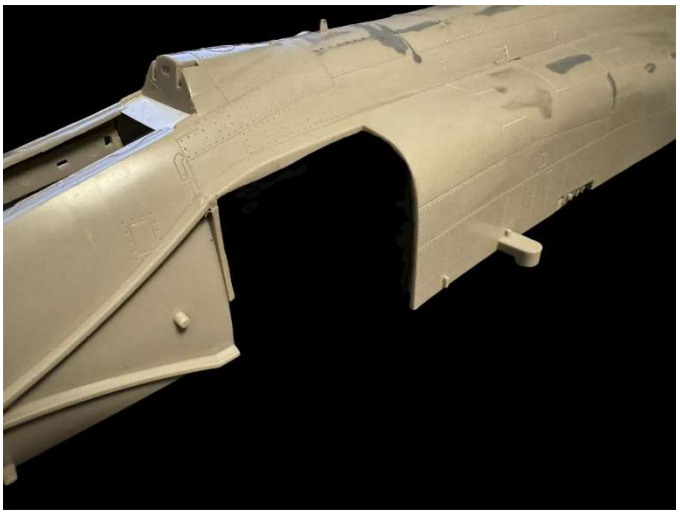
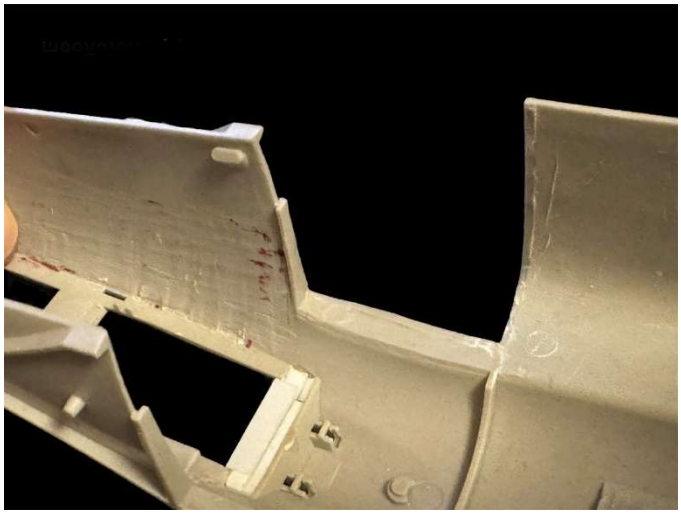
F-4 Phantom Seamless Intakes

1/32 Printed intakes for Tamiya F-4 Phantom Series

Laminar Flow Design
Email : Info@laminarflowdesign.com
www.laminarflowdesign.com

- Working with 3D printed parts.
    - Removal of the supports: Parts are printed into an enclosed cage that protects them in the different stages of production, transport and storage. Please cut the 4 pillars at their base on the corners and clean up the remaining mesh to access the parts. Then you can remove the parts from their support, starting by the most accessible on the sides and working your way to the center. Work support by support, using razor saw or new scalpel blade.
      Avoid snapping the part off its supports as it could damage the part in the process.
    - Outer fuselage surfaces (ie: Sides of the cowling) might need Surfacer and sanding work for optimal result. Please try to avoid filling small rivets in the operation.
    - Don't "force fit" parts into assembly. Cured resin is very hard, but will break under pressure.
    - For accurate fitting, prefer trimming and sanding the plastic parts rather than resin. Plastic is easier to form and shape. But ultimately the choice is up to the builder.
    - Washing agent residues can remain on some surfaces, fine grid sand to get rid of them

- Preparatory work
    - Fuselage:
        - Fuselage cuts: Please refer to the images for the intake trunk removal. All stiffed areas needs to be removed in order to install the new intake. Use razor saw for the cut, and finish with scalpel and Flat file. The two Last pics shows the final result after cleaning.

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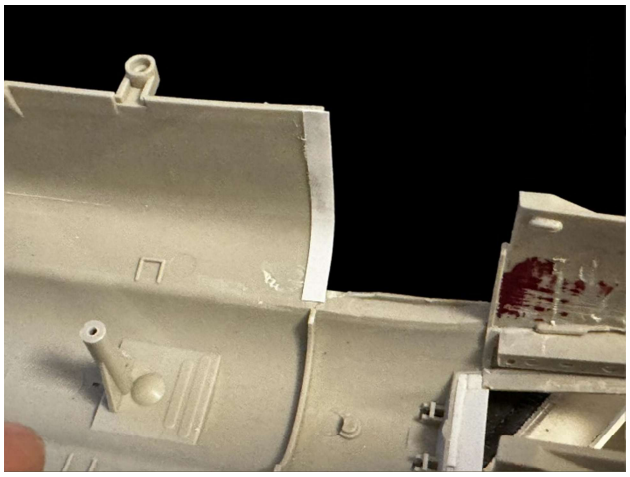
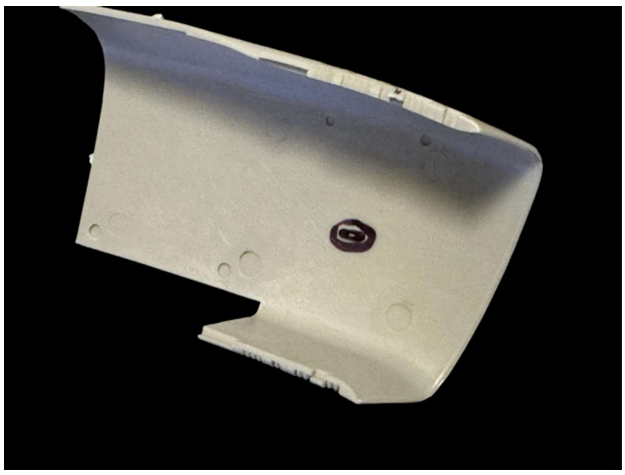
- Glue a thin plastic strip on the fuselage at the intake junction. It will help fix the forward outer intakes. The strip must not protrude more than 1mm front or it will interfere with the inner intake shoulder.



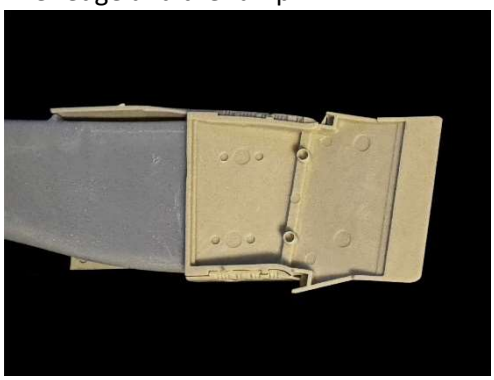
- Remove the pitot slot and smooth the area.



Congratulations, you have finished the preparatory work.

- Assembly:

  - Fixation of the intake: Place the intake so that the inner lip lines up with the 2 recesses up and down.
  - Place the inner ramp and make a good line up between the intake inner edge and the ramp.



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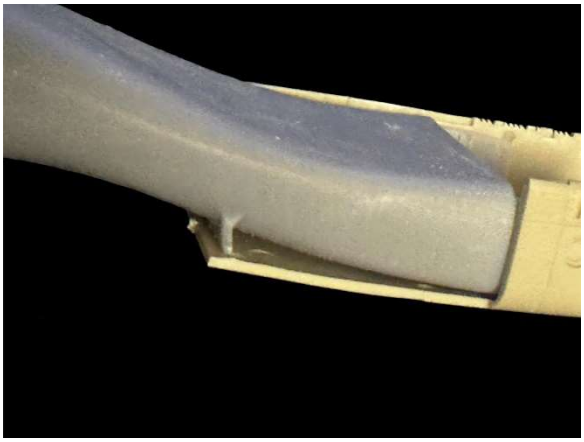
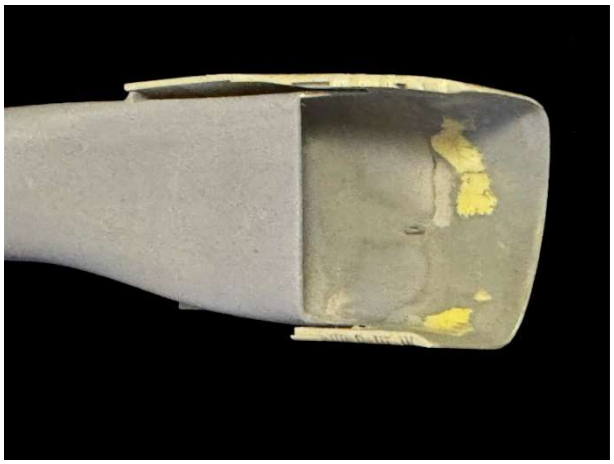
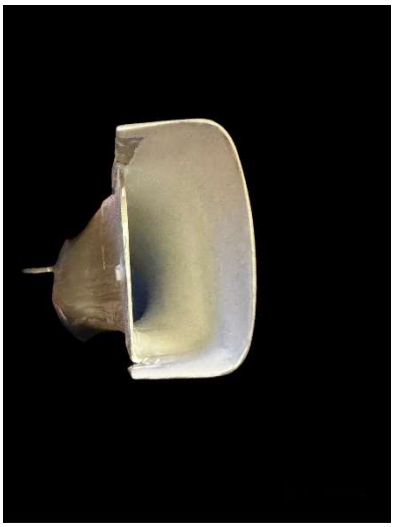
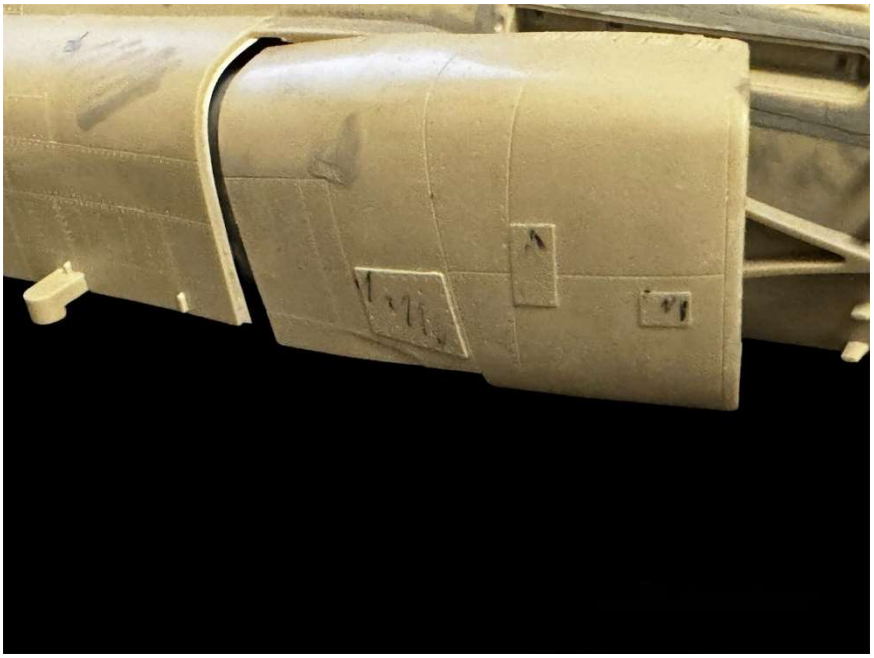
- Glue the intake in that position. Make a good connection between the front lip and the ramp. Glue the area between the shoulder and the outer intake as well.





- Once fullt dry, smooth the front lip area and blend it with the intake outer part. Paint white once fully blended.



- Add the Pitot provided

- Assemble the inner ramp and the intake assembly to the fuselage per the kit instructions. Use the plastic lip previously added to help get a good lining.