

Armstrong Whitworth AW.169 (1/72)

Thank you for purchasing this model kit. A lot of time and effort went into its design and development. Whilst every effort has been made to deliver something which is intuitively laid out, any feedback or comments would be welcome for any future developments.

I recommend a copy of Cold War Interceptor by Dan Sharp to use as a reference.

No decals are provided with this kit since it was felt that the “whatif” nature allows the Modeller to finish in whatever scheme and squadron colours they desire.

Included parts allow for poseable rudders and flaps, and wheels up or down. Ordnance includes Red Hebes or Wingtip tanks. A ventral fuel tank is also included as an optional fit. Whilst ejector seats are included, it is recommended that an aftermarket set are used if better detail is required (MB.mk.4 seats were most likely). Similarly it may be a good idea to replace the resin pitot tube with a metal alternative of similar size.

Recommended tools

- Sharp scalpel
- Mini wire cutter
- Small modelling files
- Various grades wet & dry paper
- 0.5-1.0mm & 2mm drill bits
- Engraving tool

Recommended supplies

- Decals of choice (either Lightning or Javelin squadron markings were most likely)
- 1mm & 2mm stainless steel or brass wire/rod
- Superglue and/or resin glue

Tips and advice

- If parts have deformed in transit, then hot water can be used to correct
- 3d printed resin is extremely brittle, treat it like glass and you won't go far wrong
 - o If drilling, go up in gradual sizes
- Wet sand to reduce dust
- 5g lead weight may be required in the nose depending on parts used
- Trial fit everything multiple times!

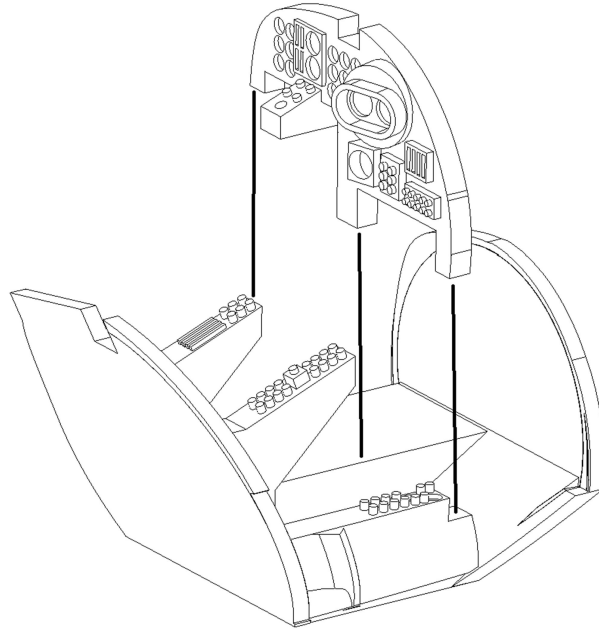
Preparation

During the design process the dimensional and fitment accuracy was prioritised over surface finish, thus a light sanding of all surfaces will easily remove any grain and print artefacts. The attached images show the assembly layout.

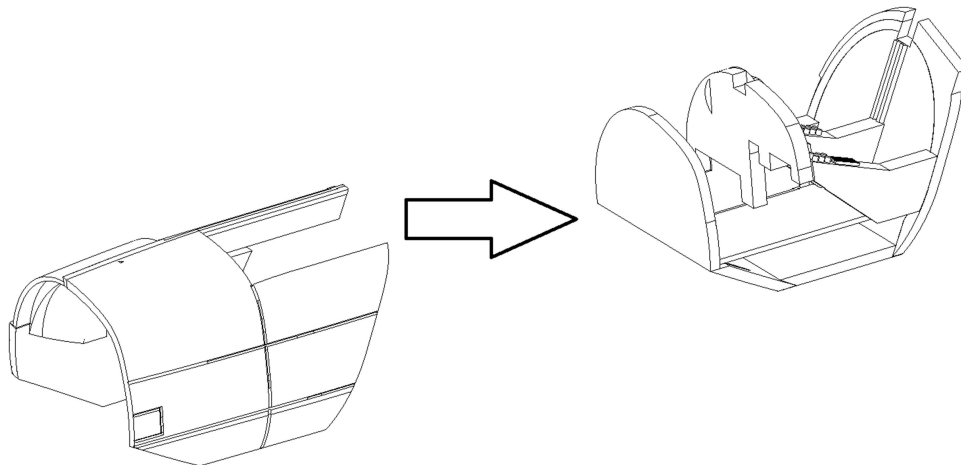
- Starting with a scalpel, carefully cut supports near the panel surface. Use wire cutters where safe to do so. Patience is key to not taking chunks out of the surface of parts. Be especially careful where supports are on a sharp edge. Repairs are best made using the Superglue & bicarbonate of soda method
- Remove print supports and clean up the dimples left, fill any pock marks
- As stated, most surfaces will benefit from a light sanding to remove grain and printing artefacts
- All mounting holes must be clean of paint for assembly
- Clean up fuselage joints. Most align with panel lines so a small gap is good. The exception is the join behind the cockpit, this should be invisible. Recommend the paper-on-a-board technique as with a vacuform.
- Carefully drill out tail fin holes and wheel axle holes in landing gear (1mm), and elevator hole (2mm)

Assembly

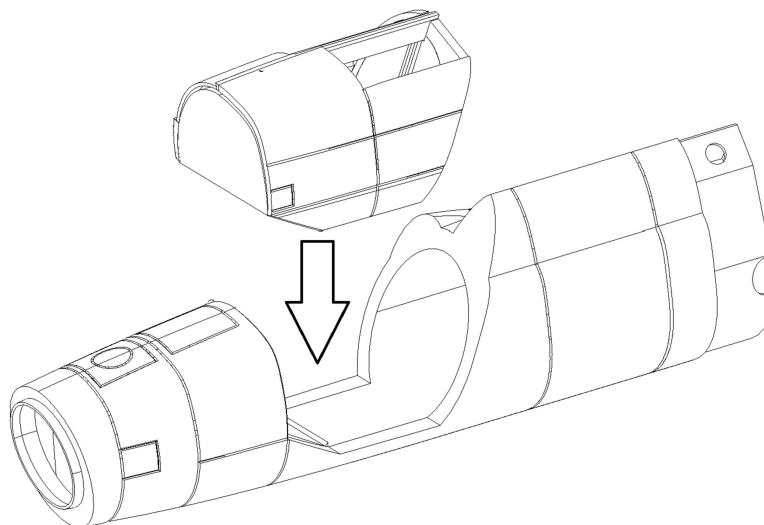
- Glue instrument panel as shown; use wire to make control stick



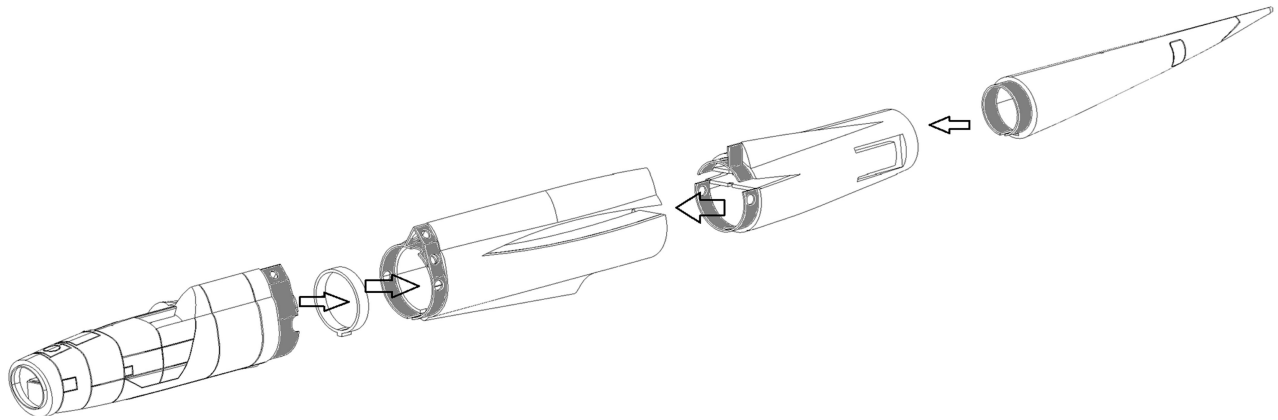
- Assemble cockpit and fairing; slide fairing on from front of tub



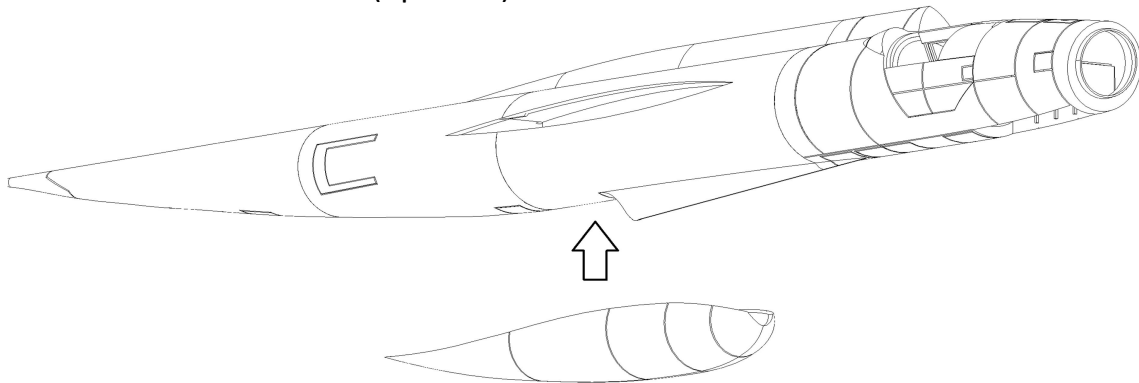
- Insert cockpit assembly into fuselage



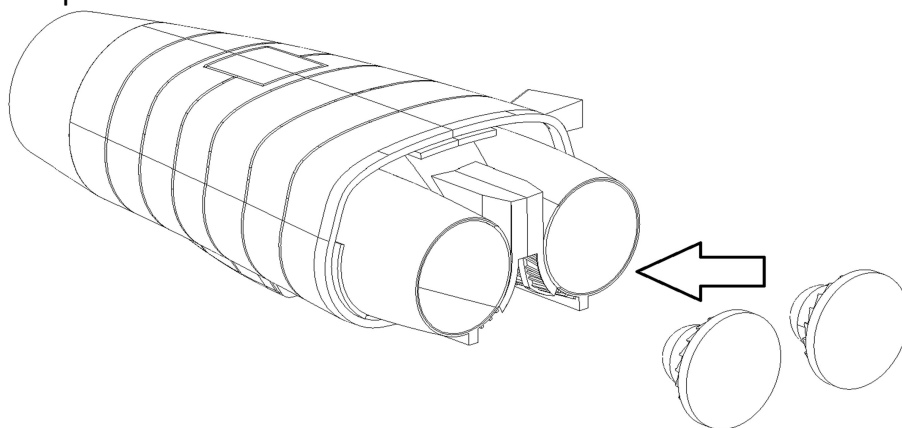
- Assemble Fuselage; remove grey highlighted areas. Closed airbrakes to be fitted now



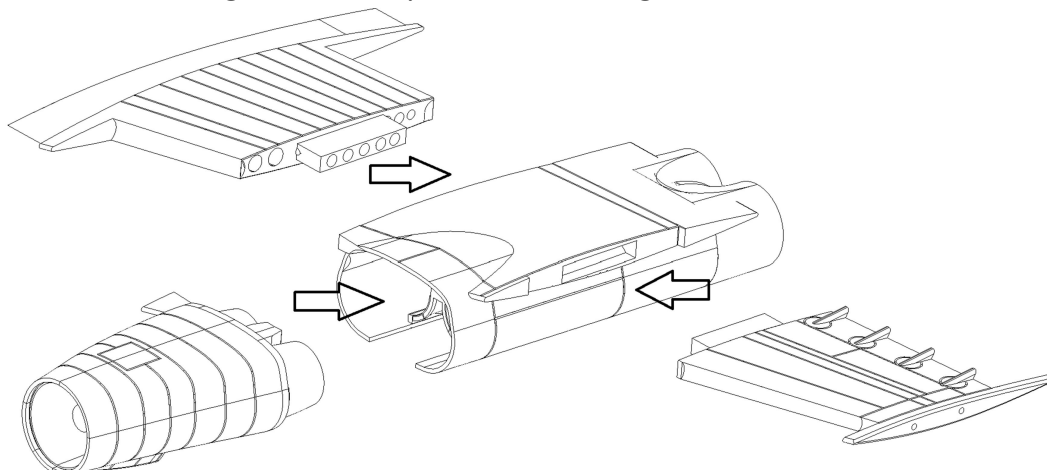
- Ventral tank fitment (optional)



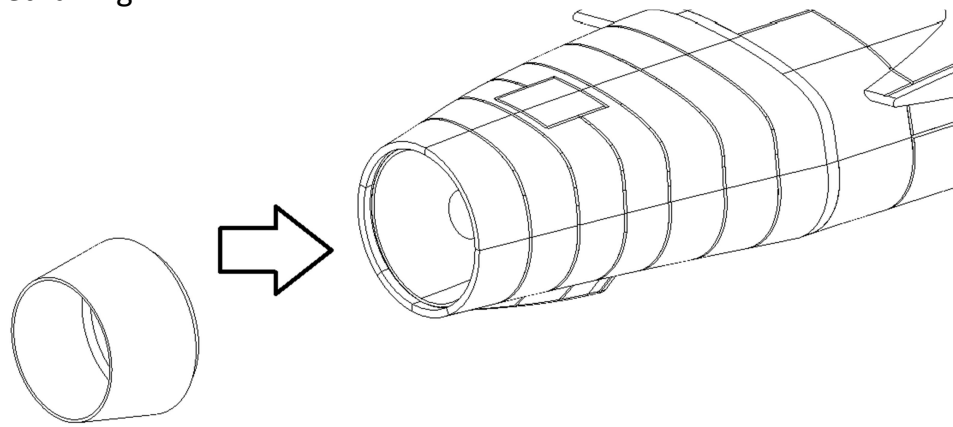
- Fit compressor faces



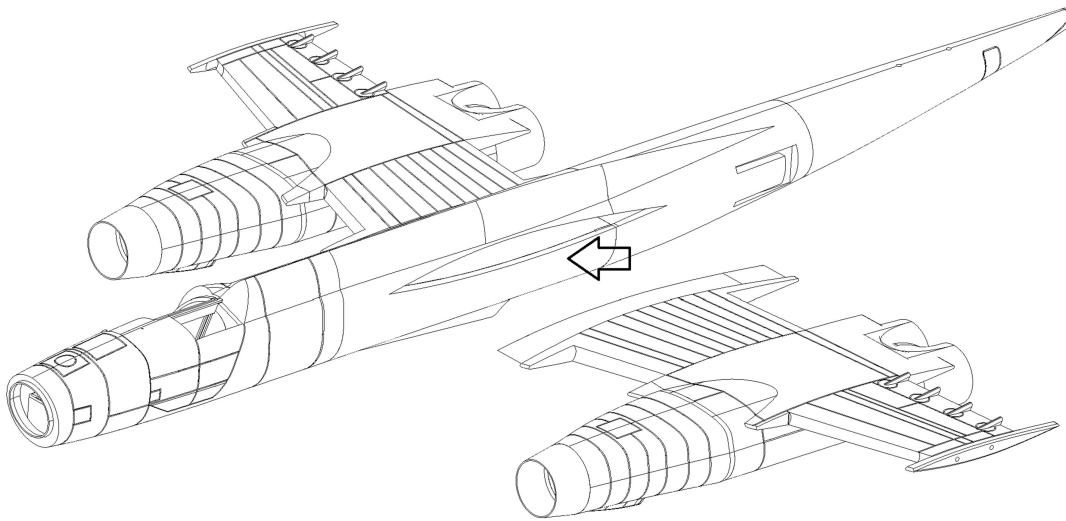
- Assemble wings; ensure top surface is straight across the entire width



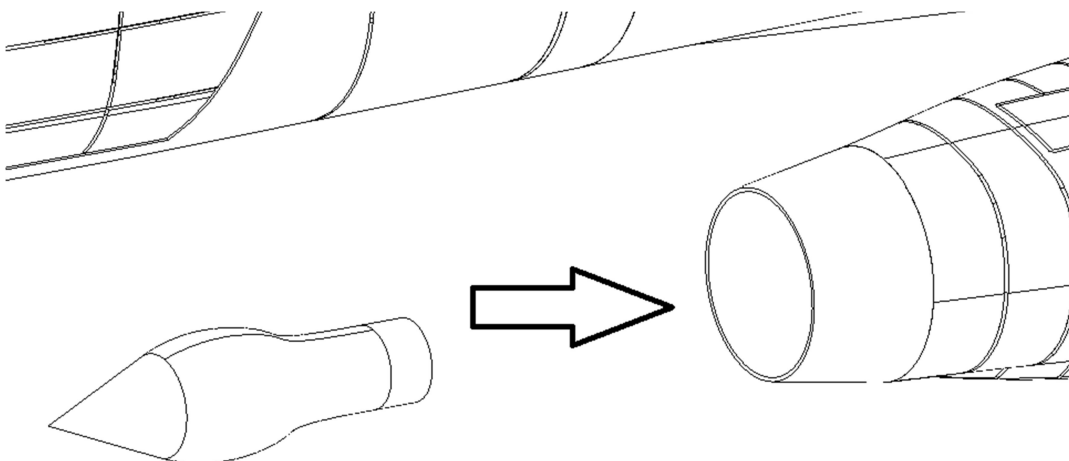
- Fit inlet fairing



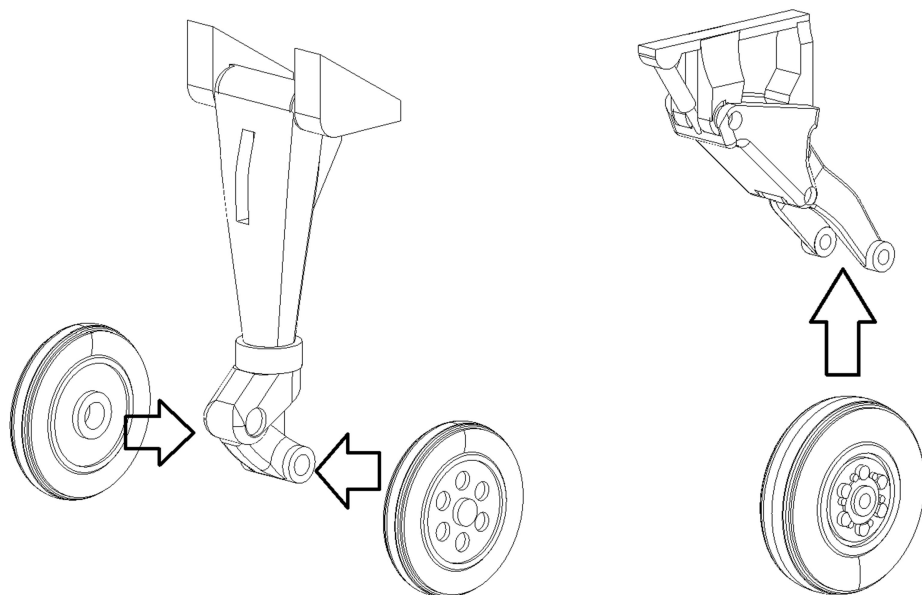
- Assemble wings & fuselage



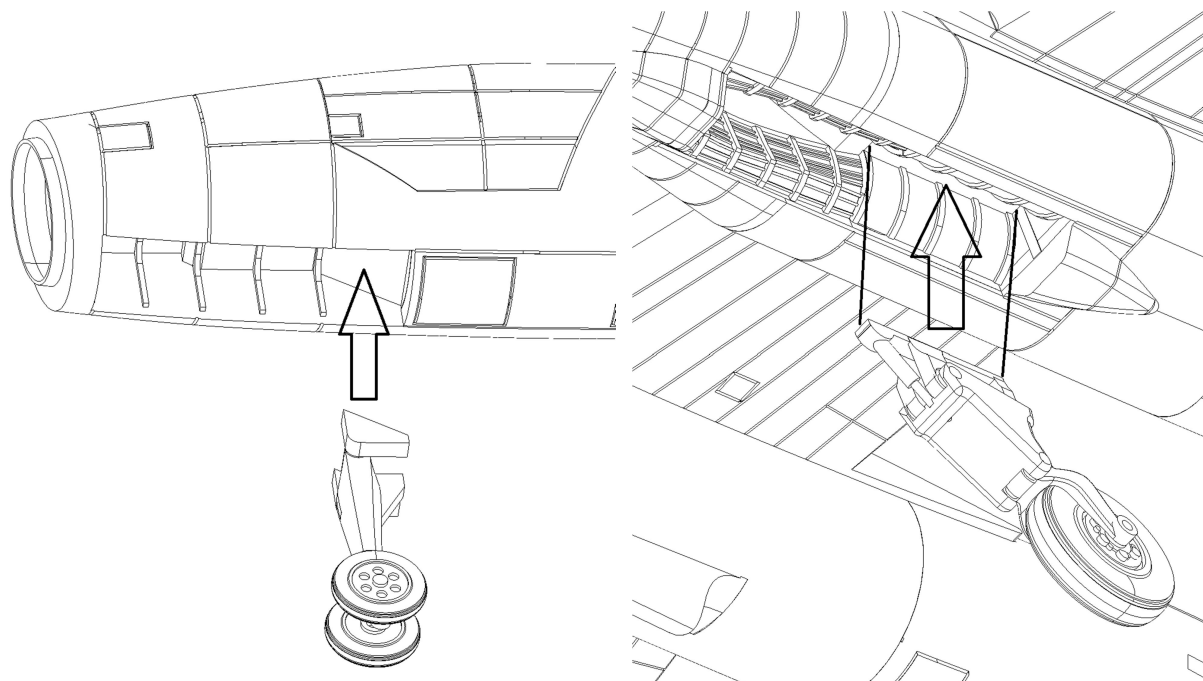
- Fit shock cones



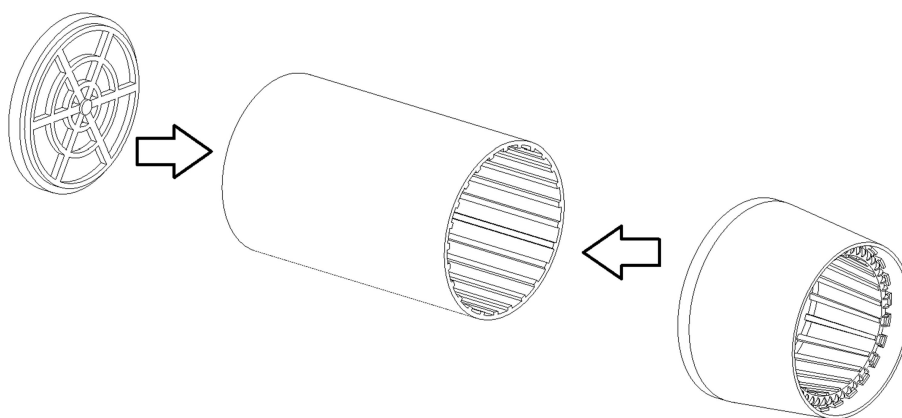
- Assemble undercarriage; 1mm metal rod recommended for mounting wheels



- Fit undercarriage

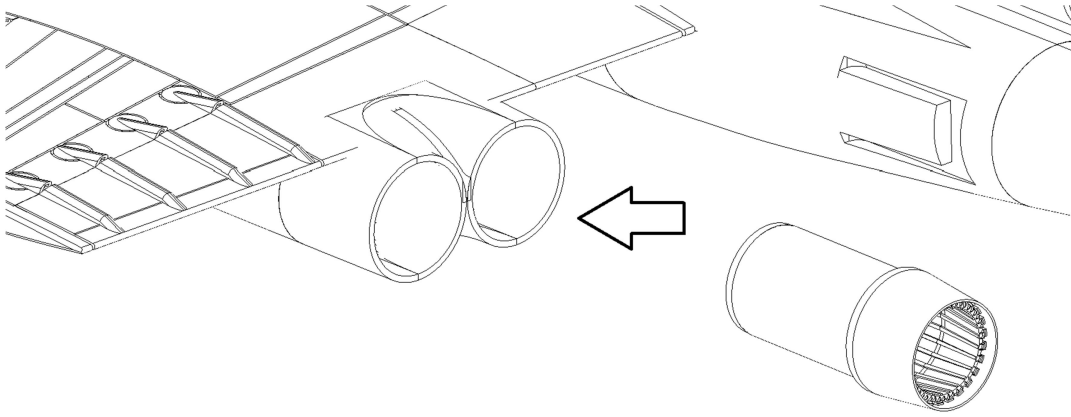


- Assemble exhausts

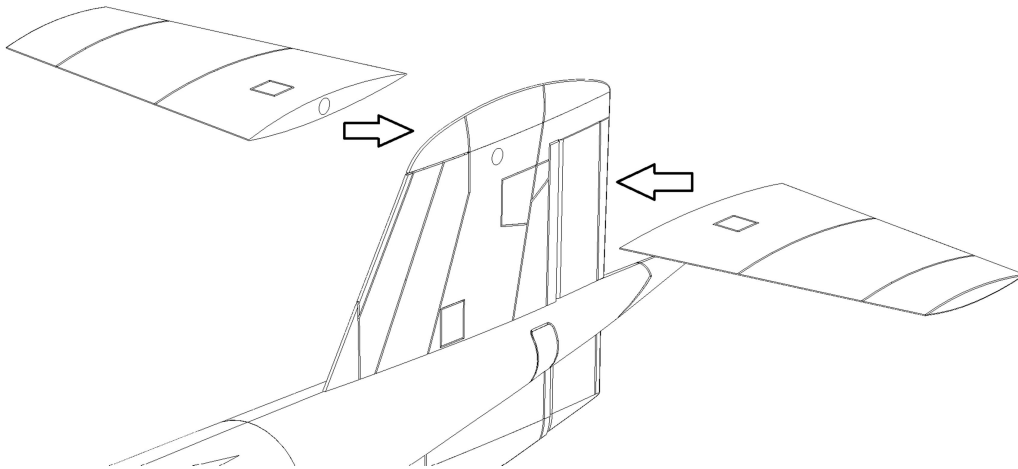


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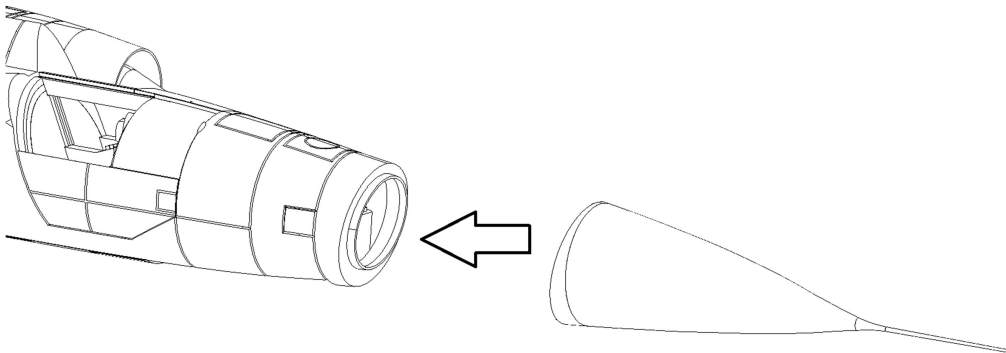
- Fit exhausts



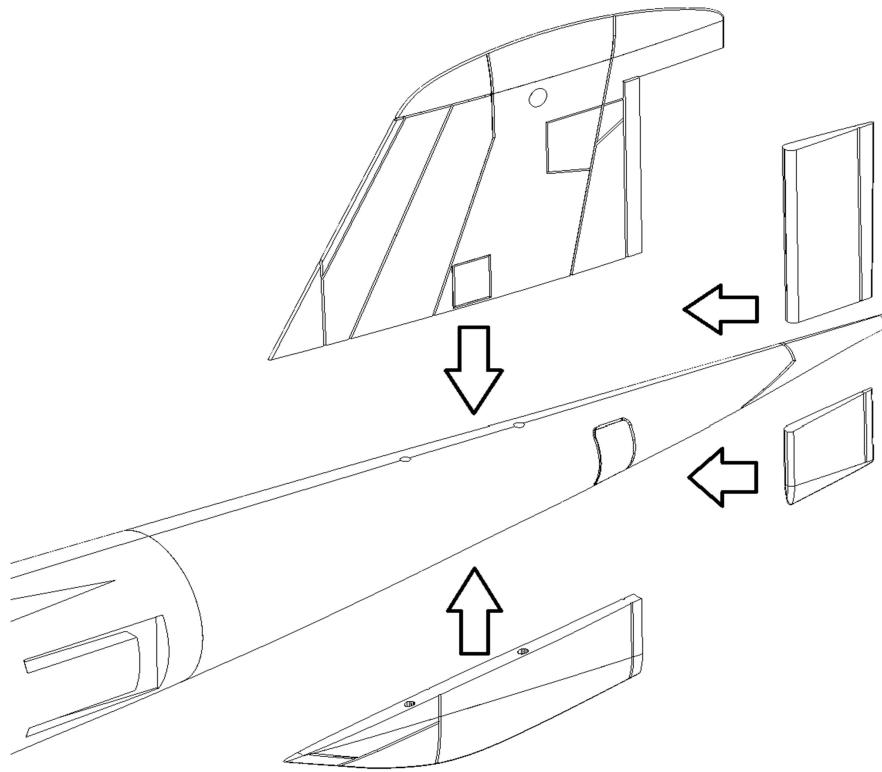
- Attach elevators; 2mm metal rod recommended



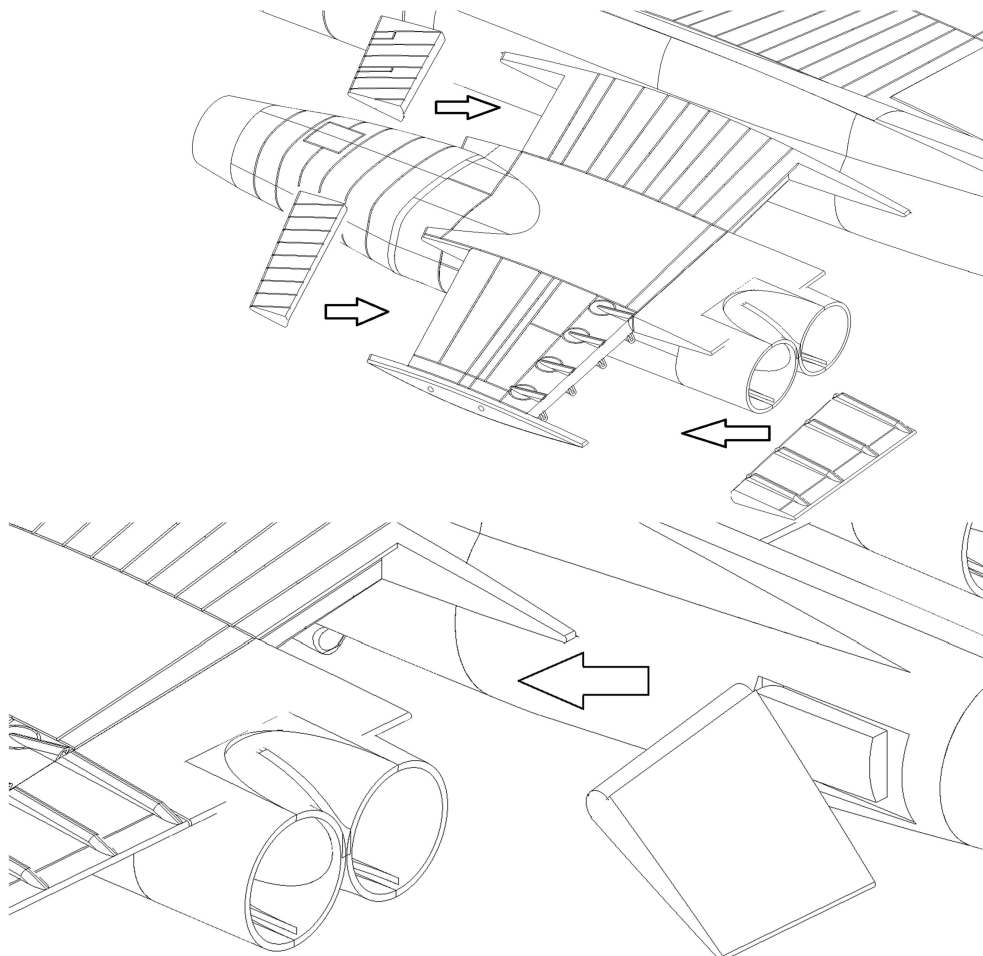
- Fit radome



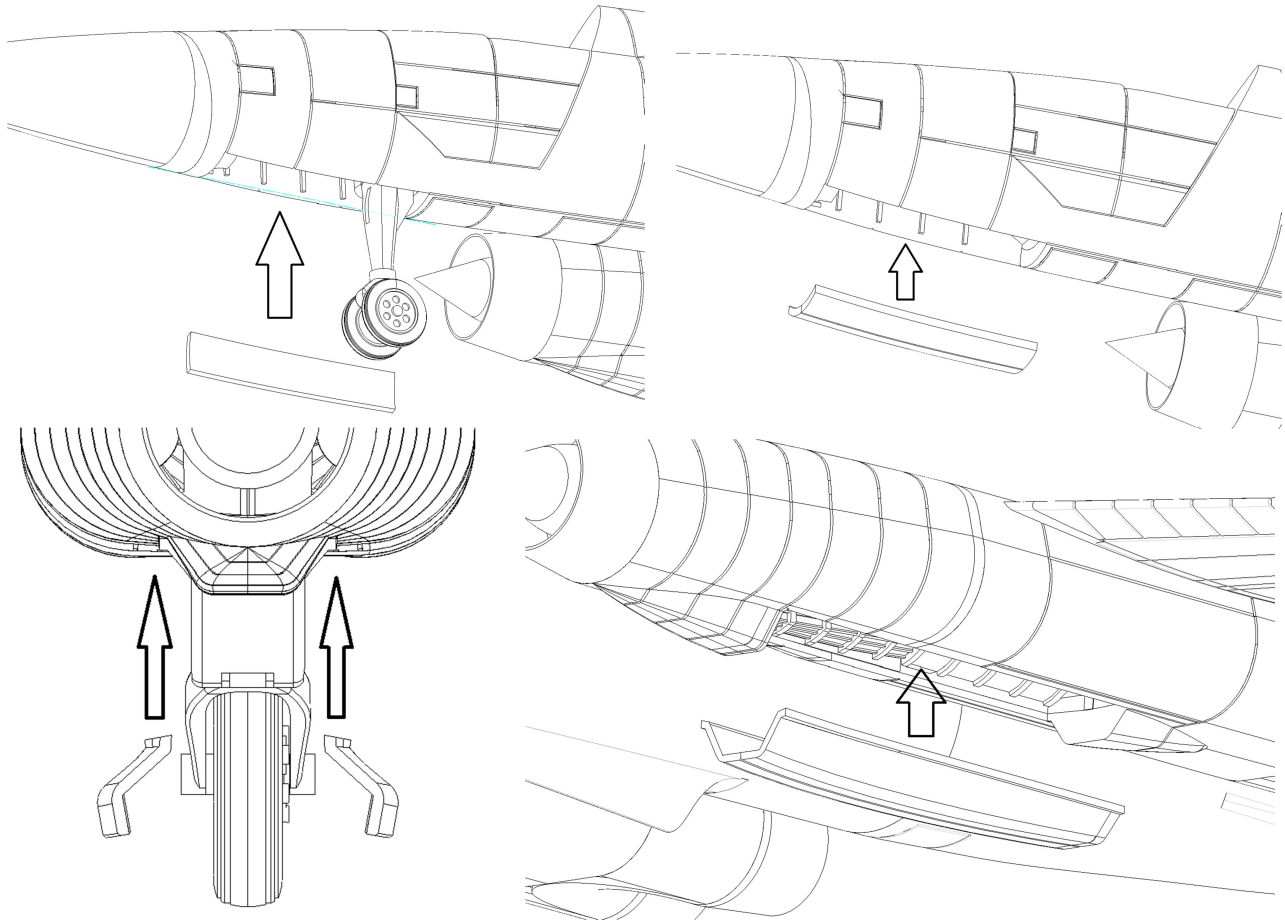
- Fit tail and rudders; 1mm metal rod through fuselage section recommended



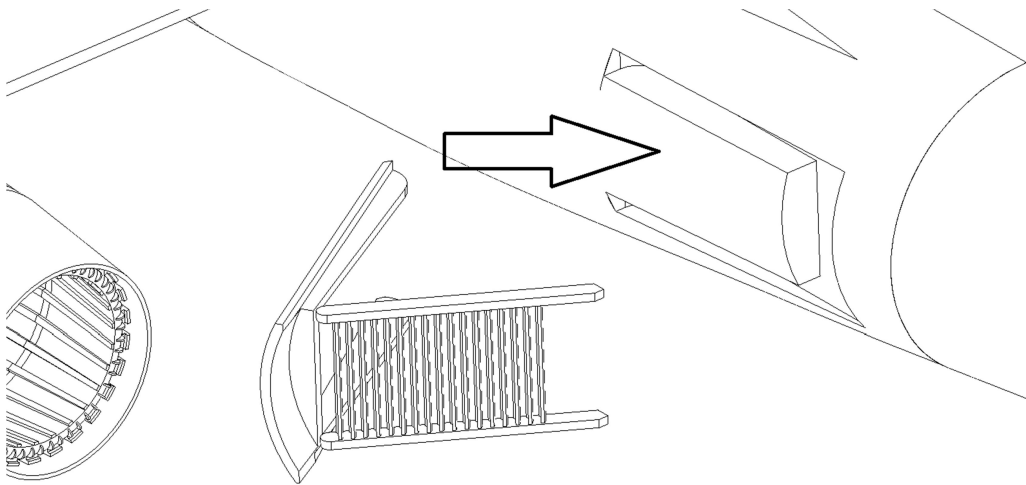
- Attach control surfaces; pose as appropriate



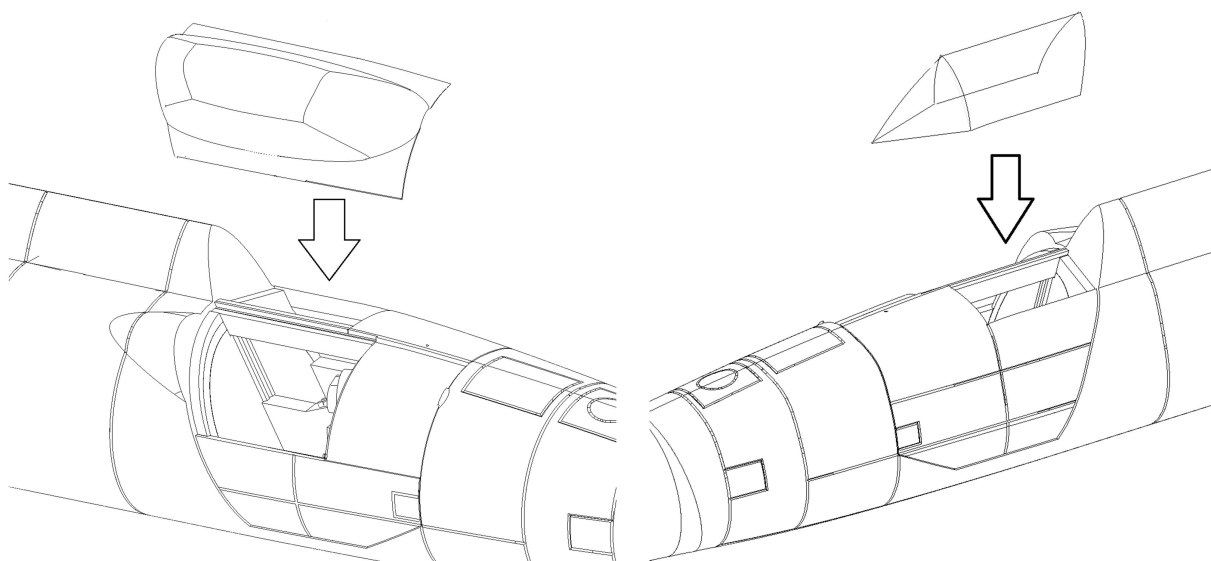
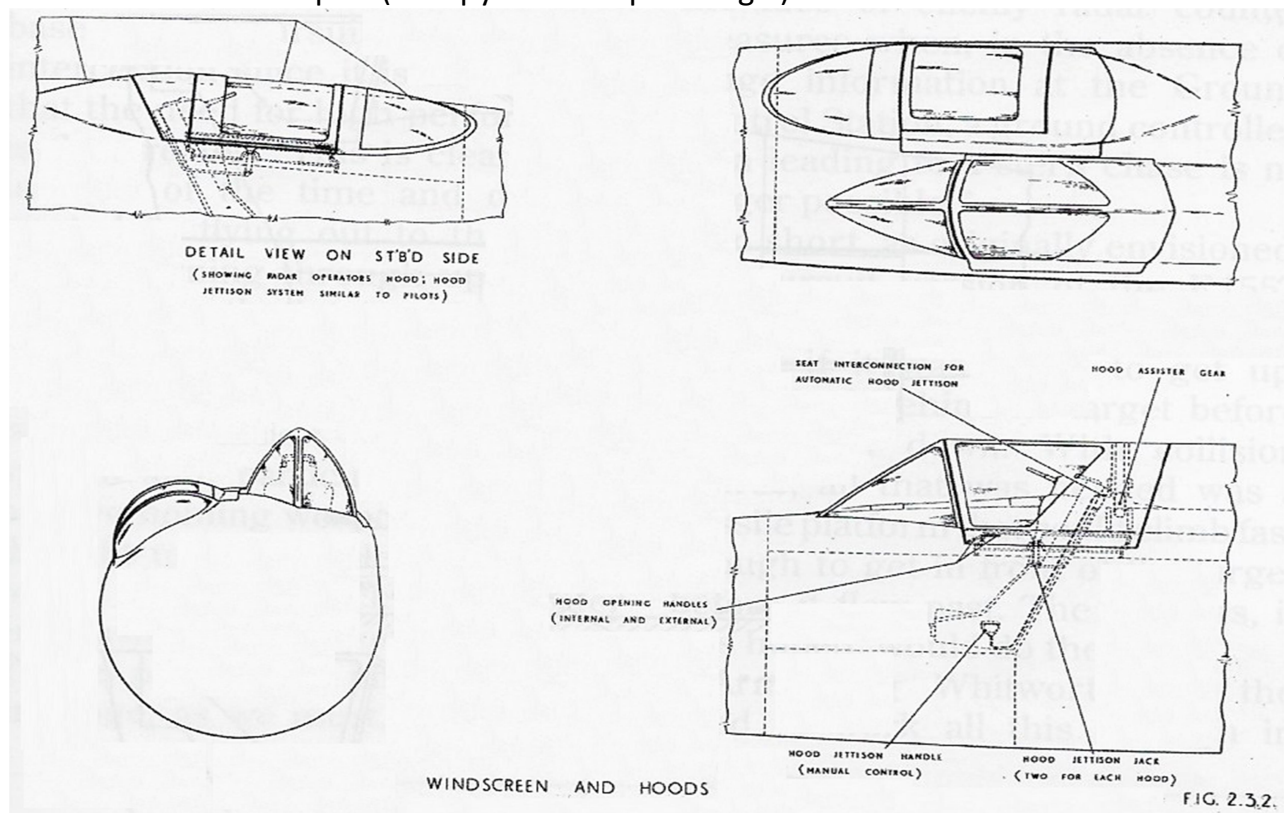
- Fit Landing gear doors



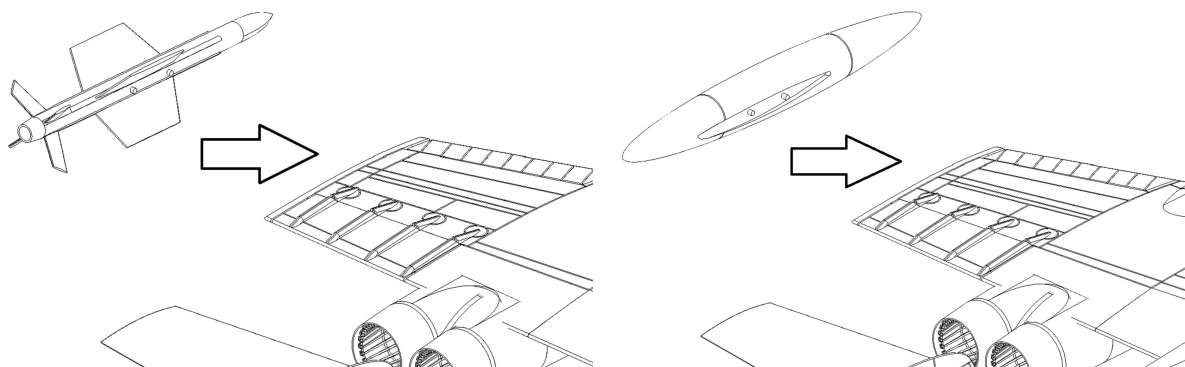
- Fit airbrakes (if posed open); note outer surface is handed



- Attach canopies (canopy detail as per image)



- Attach Missiles/Wingtip tanks (note tank orientation)



The finished article:



Further online images for reference can be found on Scalemates:

<https://www.scalemates.com/profiles/mate.php?id=136504&p=albums&album=120375&i=2#2>