

Instructions and Notes

The kit comprises of 28 3D printed resin parts and 1 clear cast resin canopy.

Extra parts are supplied for the Pitot, control column and the aerial/ pipe on rear starboard fuselage. Alternative parts are supplied for the seat and the instrument panels to allow the modeller to use the supplied details or add their own.

Note the three parts above and the nose and main undercarriage struts are printed using a resin that will offer more flex and be less brittle than the rest of the parts.

General notes on design

The kit design is based on the drawings done by Barrie Hygate, along with further information mainly being found in the Miles Aircraft books authored by Peter Amos. There were various design proposals and I elected to go for the 37" duct option with the additional auxiliary doors just behind the air intake.

Additional information and ideas supplied by Joe Warner Cherrie, lastly my own interpretations and artistic license was called upon to either make things work for printing, easy of assembly or just because no definitive answer is available.

The cone and the tubes show with the engine area, note the cone would more than likely been longer and been more pointed, and the parts marked tubes show in sketches to be shorter, however as the parts will only be seen as detail looking down the exhaust, I made these as they are to aid printing and assembly. Also to note is that the cross brace on the undercarriage should be removed this is added to assist in printing and handling of the parts prior to assembly. The main strut on the main undercarriage strut may need a slight sand to snugly fit the supporting socket.

Preparing and assembling the model

Take care in removing all printer supports from the parts. Use a sharp scalpel, fine razor saws and or sprue cutters, always work from the outer edges first, also always remove and trim any of the supports away from the surface of the model in the first instance. The smaller little pieces that possibly remain can be easily removed once the main structure has been removed. When removing any small printing supports or sanding any print lines on the parts do not use coarse sanding boards or files, the resin although being brittle does work easily, wet sanding can be advantageous and exceptionally smooth surfaces can be achieved in preparation for painting.

To assist removal of supports you can dip the parts in warm / hot water but do take care especially on very thin parts as these could distort.

A neat little trick to get the tyres to fit over the hubs even when painted, heat the tyre up in hot water it will expand and then press fit over the hub, if all goes well no or very little glue will be required.

There are tiny little marks straight ahead of the pivot hole for the tailplanes, these can be used as guides to get the tailplanes level or you can measure off them to deflect the tail planes, the mark is forward of the hole by 8mm in 1/72, 12.5mm in 1/48 and 18.5mm in 1/32.

Nose weight is required, plenty space is provided behind the cockpit and in front of the cone. The approximate weights required per scale are 8g 1/72, 30g 1/48 and 60g 1/32.

Note the cone fits into the mid fuselage section from the rear and there is a ridge for it to stop against.

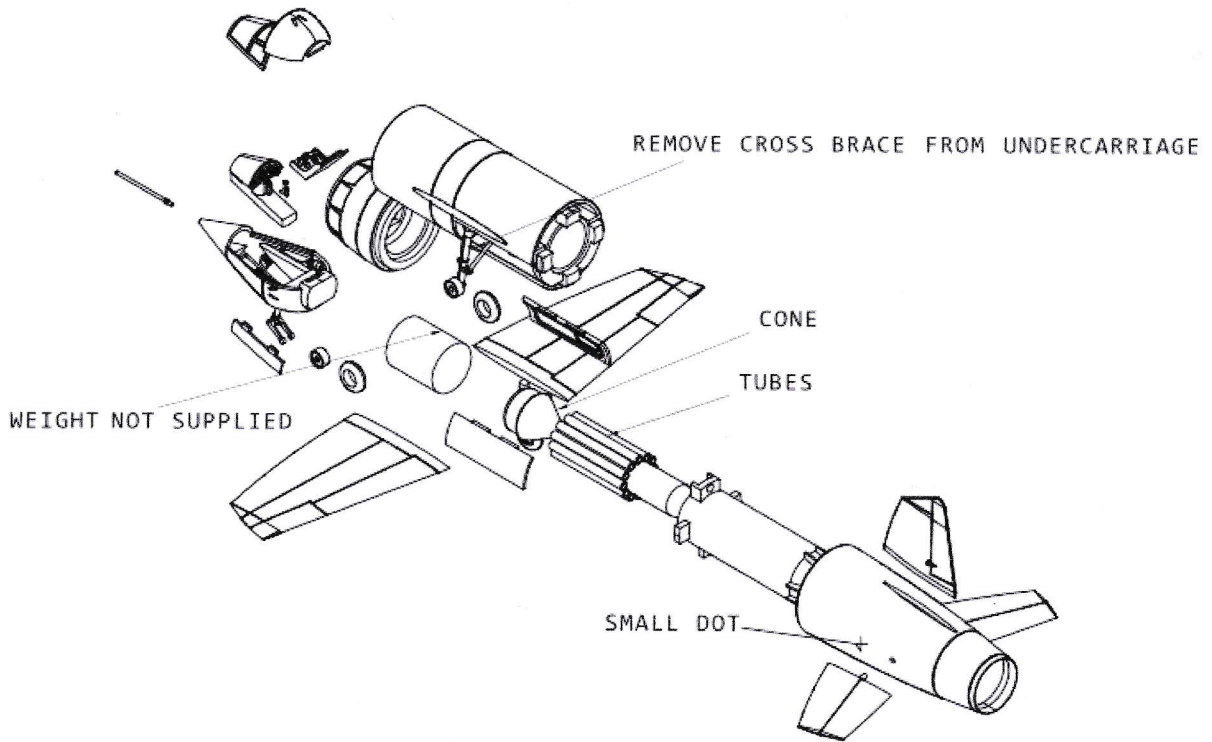
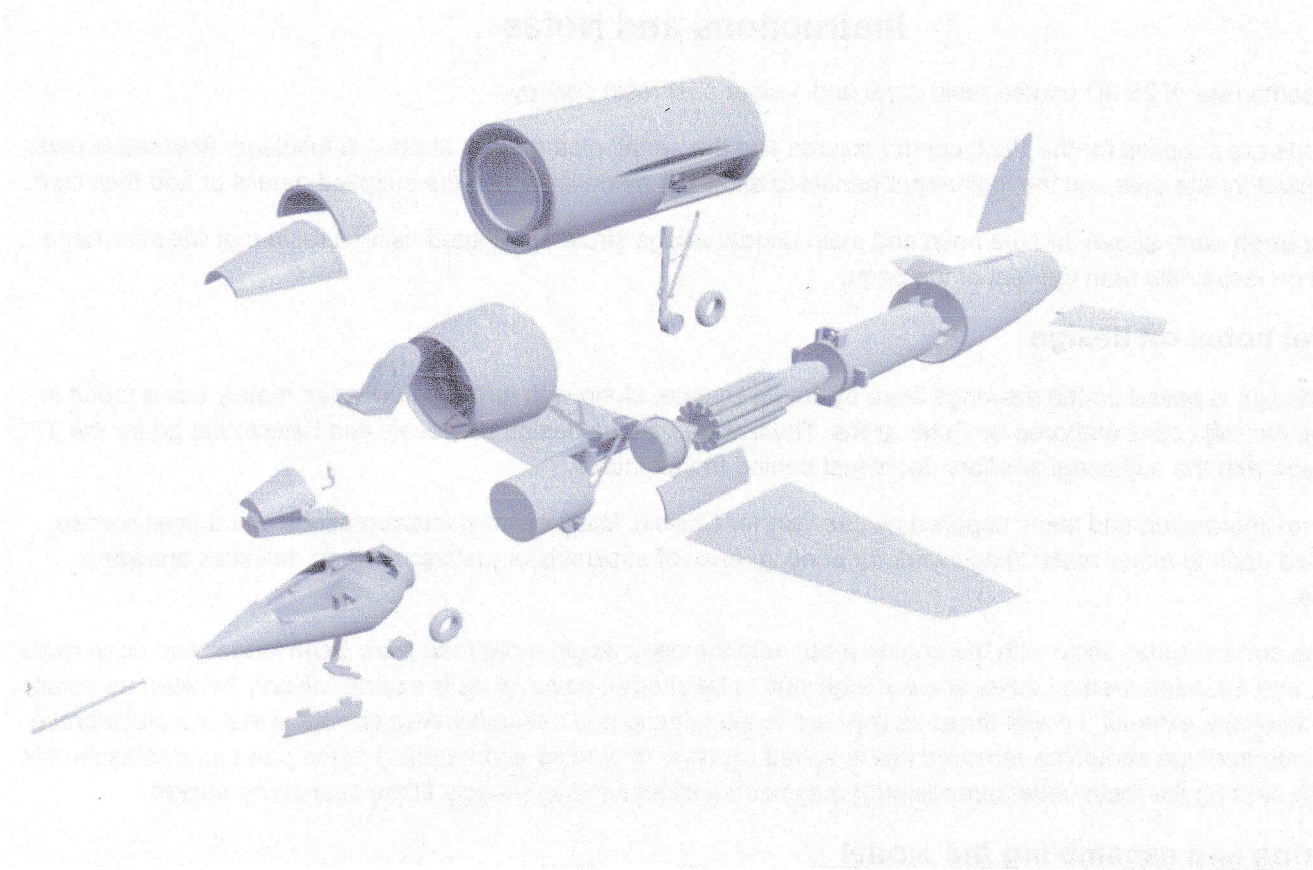
On the fuselage joints, if care and time is taken the resulting join like should be very close or similar to the other scribed lines, these joins should be represented as scribed lines.

Fitting the wings may require a small amount of material removing from either the trailing or leading edge to fit into the slots in the fuselage.

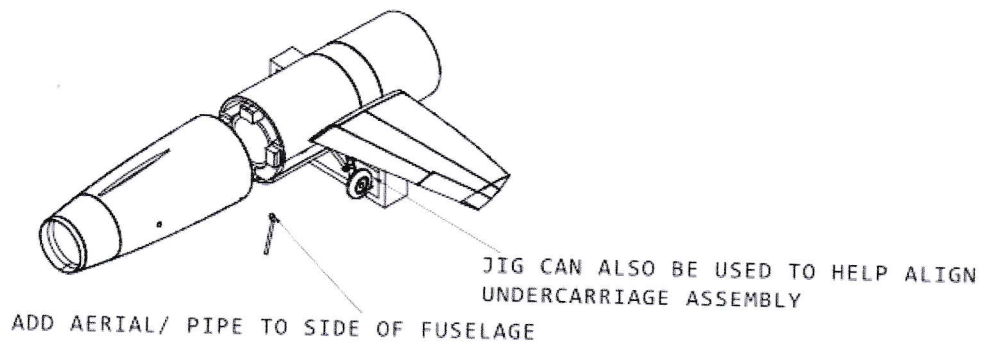
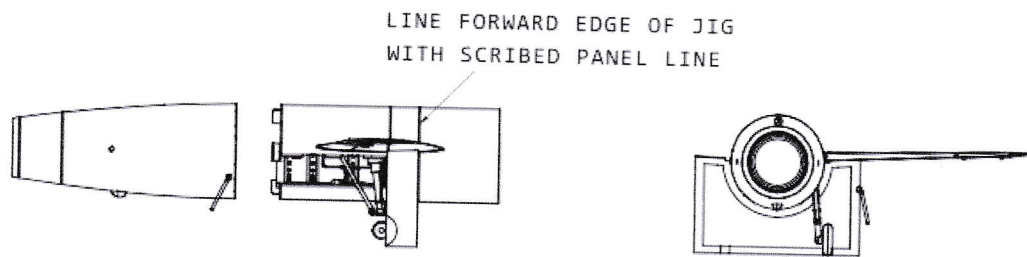
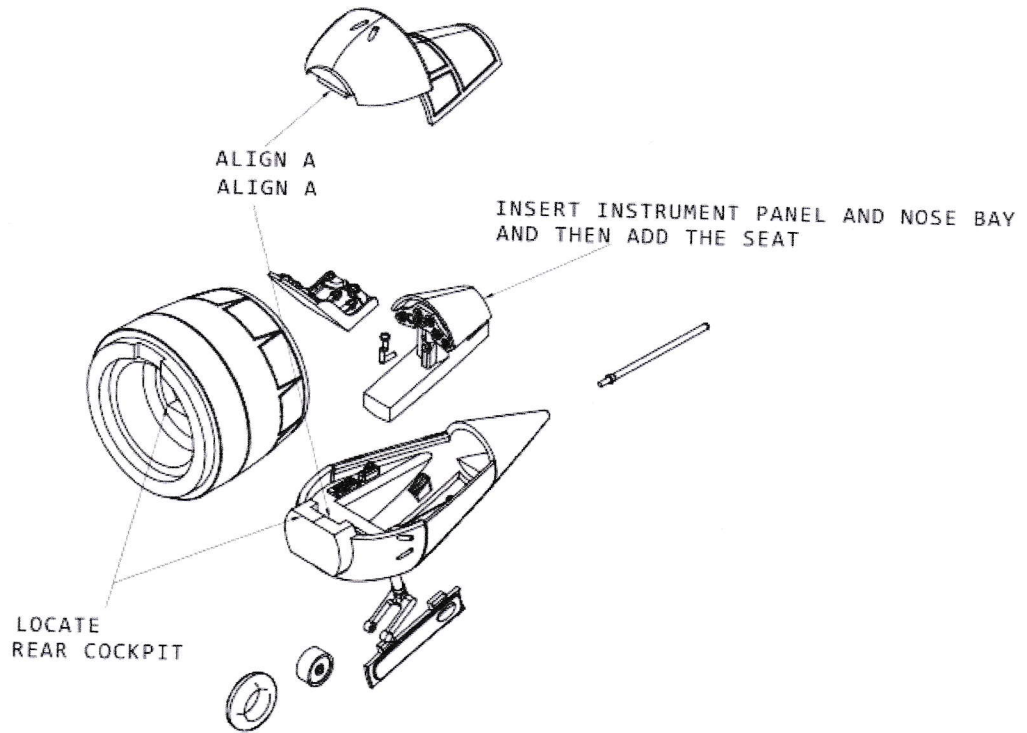
Super glue or epoxy glue will be required for assembly, although PVA is also great for small parts or parts that do not take any load.

A jig is supplied that can be used to assist with wing dihedral and aligning the assembled main undercarriage assemblies.

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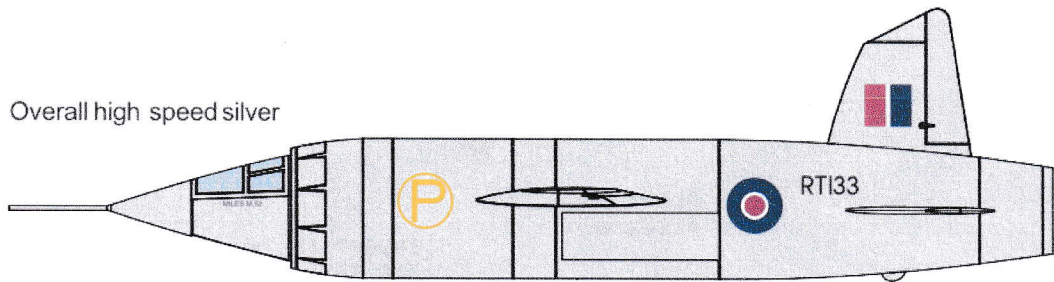


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Overall high speed silver



Traineryellow with polished metal fuselage aft end

