

ASSEMBLY GUIDE



Bristol F.2b



Introduction	Thank you for purchasing this Microaces Aero Kit. Designed using innovative ideas, advanced materials and detailed aircraft illustrations, this 1/24th scale aircraft will bring you hours of building enjoyment and many more exciting flying hours too. Please take your time to familiarise yourself with these instructions as the aircraft assembles in a very unique way, following a sequence of steps that should be adhered too to ensure a satisfactory and flyable model.
Safety	It is extremely important to us that you and those around you remain safe while building and flying Microaces kits. Please take note of the following notices of safety. Microaces Aero kits contain parts and packaging unsuitable for handling by small children. Please ensure that children under the age of 6 years are prevented from handling the component parts or packaging of this kit. Although the resulting model is lightweight, we DON'T recommend that you fly it near or over others where there is a danger of striking someone. We DO recommend that the maiden flight is performed over long grass in calm weather away from others.
Assembly	Read all the instructions carefully before starting assembly. It is important to use the recommended glues or an equivalent with similar properties. Foam parts must be glued with a foam safe cement or permanent damage can result to components. Ensure your knife has a fresh or sharp blade installed to ensure a clean cut.
Warranty	Microaces warranties this kit is supplied with all components present and that those components are free from cosmetic or structural damage to an extent that would impair the assembly of the kit, alter the aesthetics of the built model and/or the flight performance of the resulting model. If any parts are missing or damaged please contact us via email at: support@microaces.com
Кеу	Note (Information) Attention
	P01 Part Number Do Not Glue
	Contact Adhesive (Foam Safe) Score before assembly
	Alphatic Resin (or Foam Safe CA)

Microace 2

Paint

Area of adhesion for glue

Sanding Required

Sheet Parts	1 x 2mm Laser cut Depron airframe 1 x 1mm printed & laser cut Depron fuselage 2 x 1mm printed & laser cut Depron flight surfaces 2 x 200 micron printed & laser cut polypropylene 1 x polyester sticker sheet
Loose Parts	1 x 0.8mm laser cut plywood motor mount 2 x neoprene tyres 2 x elastic band 6 x 3mmØ x 1mm noedymium magnets

- 1 x 100mm x 3mmØ plastic tube
- 3 x 500mm x 0.4mm x 1mm carbon fibre strip
- 1 x 100mm x 1mmØ carbon fibre rod
- 1 x piano wire elevator control rod
- 1 x piano wire rudder control rod
- 2 x profile pilot figure
- 1 x Spectra rigging wire
- 3D printed fuel prop

RECOMMENDED TOOLS/GLUES

Knife or Scalpel with fresh blade

Steel Rule or straight edge

Sanding Stick or sand paper (180 grit recommended)

Tweezers

Needle nose pliers

UHU por foam safe adhesive (For foam & plastic)

Aliphatic Resin or Foam safe cyano glue (for rigging & re-inforcement)



2mm FOAM



1mm DEPRON FOAM





1mm DEPRON FOAM





1mm DEPRON FOAM



STICKERS



PLASTIC PARTS







Method for scoring 1mm Depron

Using a straight edge as a guide, score the depron with the *reverse* side of a craft knife or a ball point pen.

If you haven't used this technique before it is essential that you practice using a scrap or spare piece of 1mm Depron prior to processing any kit components.



SCORING & BEVELING GUIDE #2

Method for scoring 1mm Depron

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The plastic parts used in the airframe are there to increase the strength of the structure in vital areas whilst still providing some flexibility.

Apply a thin layer of adhesive to the plastic part and attach immediately to allow some wiggle time to get the parts lined up. Set aside to cure.















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STAGE 4 UNDERCARRIAGE

















FRONT VIEW

Ensure correct alignment when tensioning the rigging

The rigging on the Bristol is functional. It strengthens and stabilises the wings to provide predictable flight characteristics so is important to get right!

Stabalise the wire on both sides of the aircraft at the lower points on the undercarriage with some CA or Alphatic resin adhesive.

Tension the wire between struts. Because of the shape of the laser cut holes in the struts, you can lock the thread at each point that it passes through a rigging hole.

Work on tensioning the wire on both sides of the aircracft simultaneously to help maintain symmetry. Stick the end points of the rigging to the underside of the wing once happy with the tension.

Check alignment visually then add a small amount of adhesive to each point where the rigging passes through strut work to lock everything into place.

STAGE 13 NOSE HATCH

STAGE 14 ADDITIONAL DETAIL

STAGE 20 PITOT TUBE

Centre of Gravity (CoG)

With all the electronics installed including the battery, the CoG should be around the apex of the top wing as shown on the diagram below.

Balance on finger tips to see if the aircraft balances at this point. Before adding any weight it is advisable to perform a glide test. Add weight accordingly to obtain a smooth glide.

Microaces 36 STAGE 24 Optional RL112lb HE Bomb Rack (B5) **B**5 **B5** 90 00 0 Ø 0 B TO Ø 0 Ø Ø 0 Ø 0 9 3: 0 0 2 **B6**) Ø 0 Ŋ Д 00 TO 囚 0 **B6** 70

STAGE 24 Optional RL112lb HE Bomb Rack

