

ASSEMBLY GUIDE



Scrappee Classic/Liaison

Version 2



Introduction		ustrations, this aircraft will bring you hours
Safety		of 6 years are prevented from handling the Ithough the resulting model is lightweight, or over others where there is a danger of
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
	Sanding Required	Cut
	Area of adhesion for glue	Refer to Video tutorial for more info



KIT PARTS

Sheet Parts	 1 x 2mm Laser cut foam airframe 1 x 1mm printed & laser cut foam fuselage 2 x 1mm printed & laser cut foam flight surfaces 1 x 200 micron printed & laser cut polypropylene 1 x polyester sticker sheet 1 x 0.8mm laser cut plywood motor mount
Loose Parts	 1 x piano wire elevator control rod 1 x piano wire rudder control rod 2 x 3D printed wheel hubs 2 x Sponge Tyres 4 x Ø 4mm x 1mm neodymium magnets 4 x Ø 3mm x 1mm neodymium magnets 1 x 160mm x 0.4mm x 1mm carbon fibre strip 1 x 105mm or 100mm carbon fibre Ø 1mm rod 1 x Self adhesive Hook & Loop strips

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)



2mm FOAM



PLASTIC PARTS





1mm FOAM





Microaces 5 1mm FOAM

Classic



1mm FOAM

Patriot II



0.8mm PLYWOOD







SCORING & BEVELING GUIDE #2

Method for scoring 1mm foam

Using a straight edge as a guide, score the foam 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 foam prior to processing any kit components.





* Z11 not illustrated





* Z11 not illustrated



STAGE 1 AIRFRAME



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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★ Parts included in Scrappee flight pack. Not included in kit only option



STAGE 9 CONTROLS



Insert individual control wire from the rear and attach to appropriate control horn. Set control surface to neutral then, using slim or needle nose pliers, bend the end of the control wire at the piont it will need to attach to the servo arm. Un-hook the control wire from the control horn, pull out of the fuselage and complete the hook bend for the servo arm. Trim hook to 4mm in length.



View from Above

The Control Horns for the rudder and elevator are very flexible. Install the control wires for each and use tweezers to bend the horns to insert the 'Z' bend into the hole.

Use the outer hole of the control horns for more gentle control of your aircraft!







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 blances at this point. Before adding any weight it is advisable to perform a glide test. Add weight accordingly to obtain a smooth glide.

