

There are several notes I need to provide to aid you with the enclosed package. The original kits used 1/16" balsa. Since I wanted to print these directly on balsa sheet I developed the parts for 1/32" balsa sheet. As a result, some of the parts have been drawn to allow for cross grain laminations. The fuselage formers are a good example. This works fine as long as you are using 1/32" sheet stock.

If you do not have a printer that will allow direct printing on the balsa, consider using the iron on T-shirt transfer paper layouts provided via the [paramodels.com](http://paramodels.com) web site. This material can be printed on any color inkjet printer. You can then transfer the part graphics to balsa sheet of any thickness using a regular clothes iron.

I like to use a removable nose for winding. The parts have been drawn with this in mind. The nose former has been drawn so a removable nose plug can be used. The FrogFlite series of models provides a piece of 1/4" balsa for the nose block. The piece of balsa had to be cut to shape and then sanded to the nose profile. A template has been provided to aid cutting the nose block to the shape of the nose.

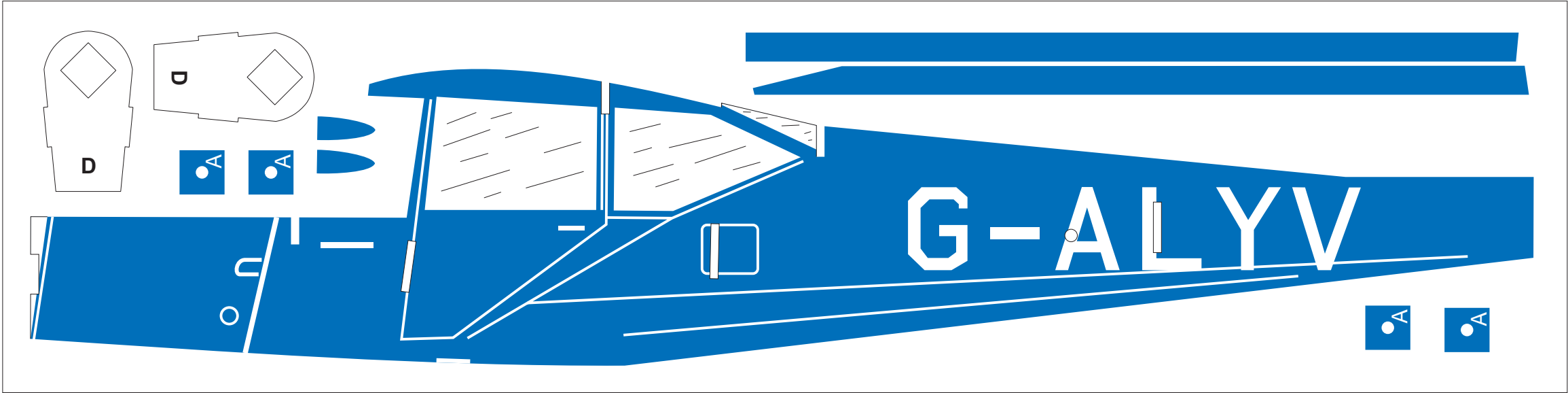
The kit included reinforcements for the rear motor peg. The parts in this package include the same rear motor peg reinforcement parts. The only difference is two sets of those parts are included to allow for models build from 1/32" balsa. This has proven to be plenty strong for a fully wound motor of 1/8" Tan rubber. A piece of 1/8" OD aluminum tubing is used for the rear motor peg.

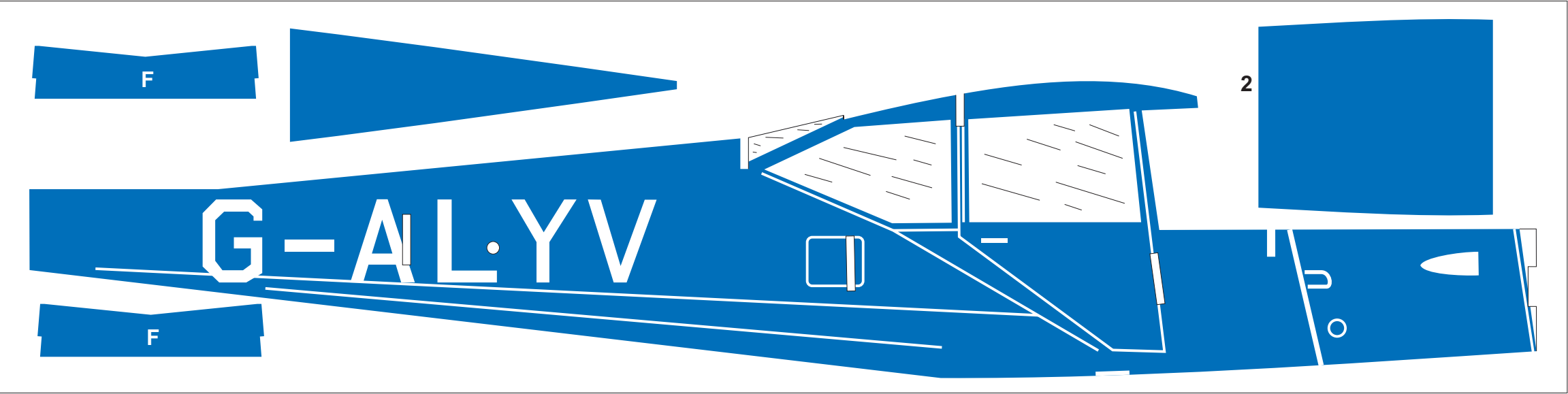
The original kit did not include landing gear leg covers. This drawing package does include them so the finished model will more closely resemble the box art.

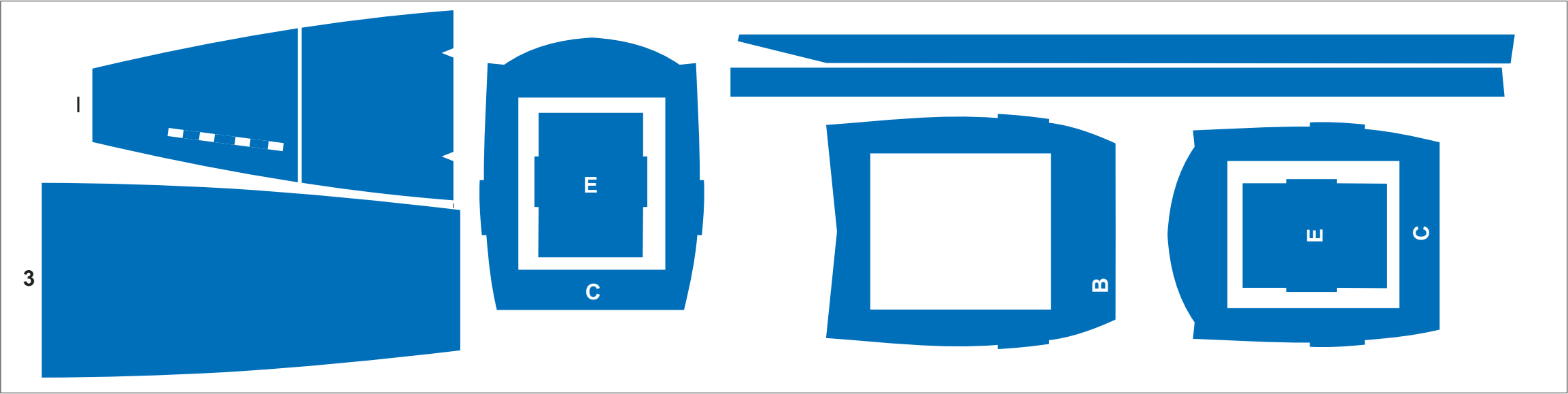
The markings used in the original Auster Autocar kit were retained for this reproduction package.

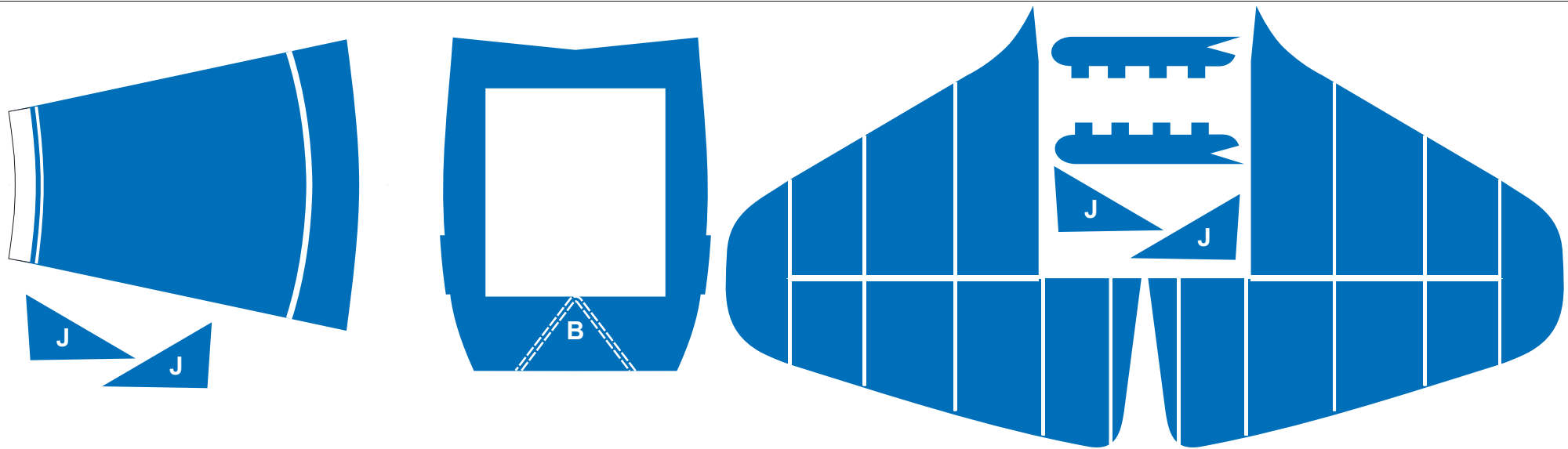
I do hope you build and enjoy a model from this plan package.

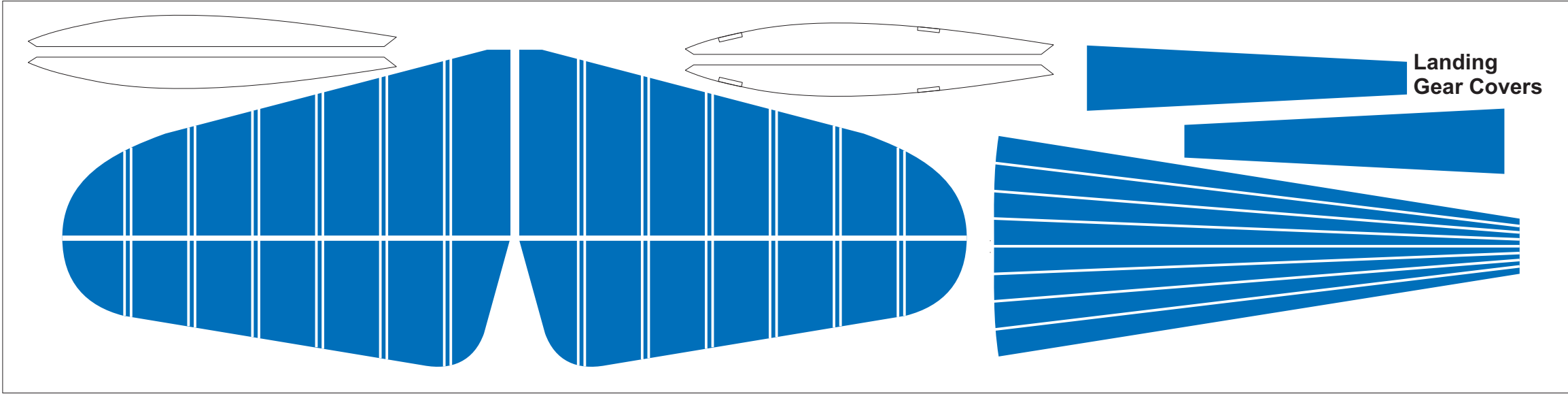
Paul Bradley

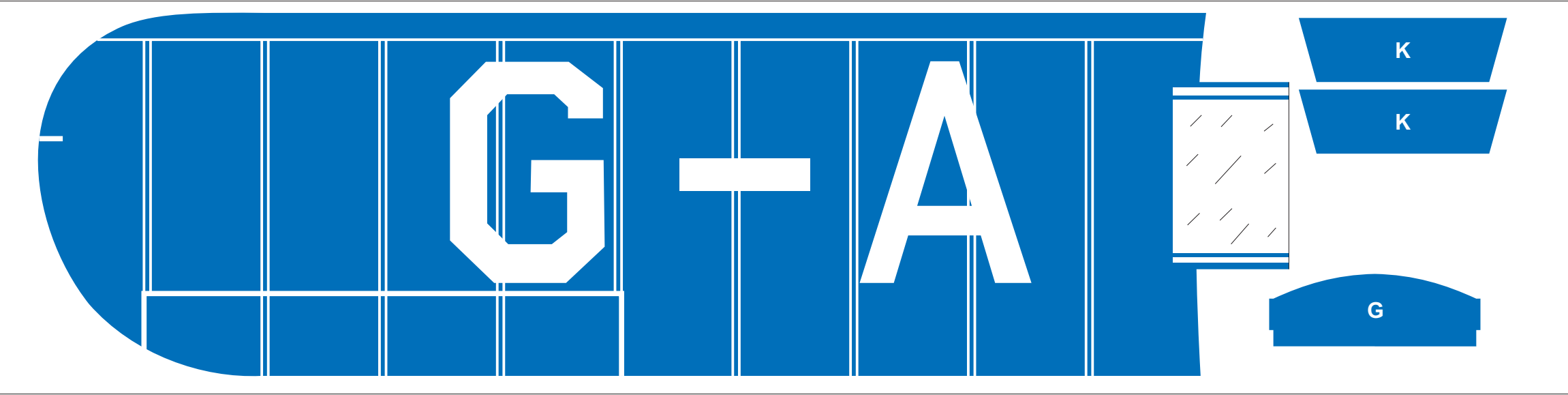


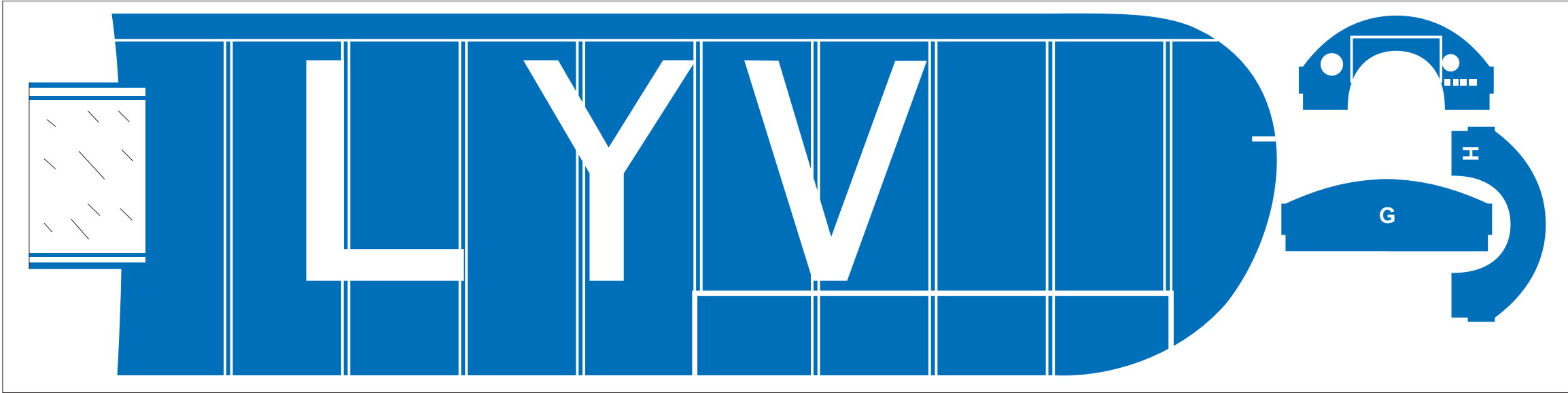














# FROGFLITE AUSTER AUTOCAR

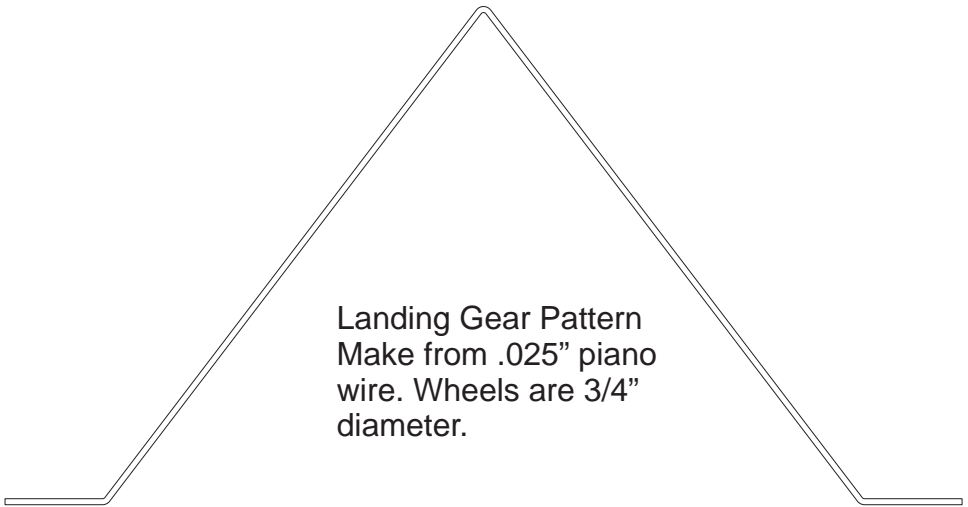
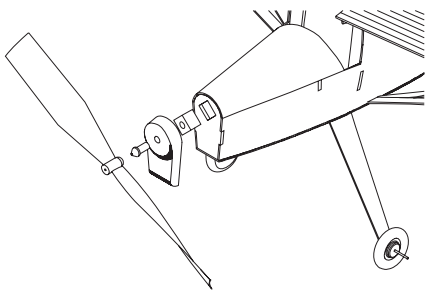
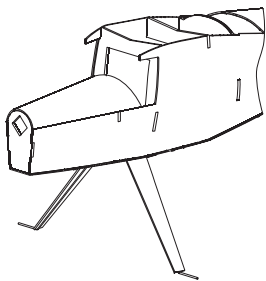
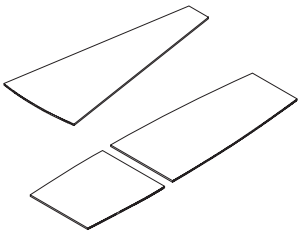
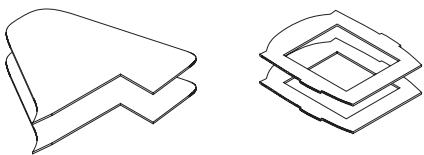
## Build Notes:

1. The fuselage formers are made from two layers of cross grained balsa. The fin components are also made from two layers of balsa.

2. Bottom planking parts 2 and 3 along with the top rear fuselage planking have been set up as single parts rather than joined parts as shown on the plan.

3. Landing gear leg covers have been added to the part set. They were not part of the original kit. The covers help create the look of the full scale aircraft landing gear.

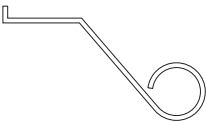
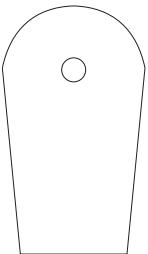
4. The fuselage nose former has been set up for a removable nose plug. Use a square key on the nose block that matches the square opening in the nose former to retain the nose block. The nose block is made per the plan from a block of balsa that is 1/4" thick.



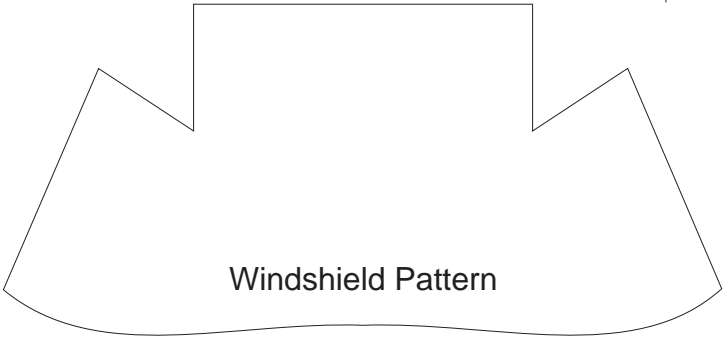
Landing Gear Pattern  
Make from .025" piano wire. Wheels are 3/4" diameter.



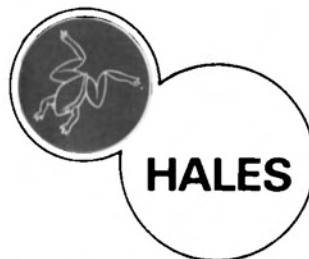
Rear Window Pattern



Tail wheel leg pattern.  
Make from .025 piano wire.



Windshield Pattern



# AUSTER AUTOCAR

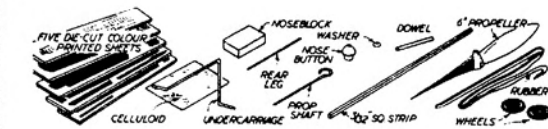
QuickBuild SERIES  
RUBBER POWERED FLYING SCALE MODELS

## FROGLITE KITS

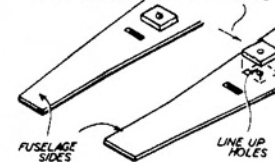
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YOUR  
ASSEMBLY  
INSTRUCTIONS

### IMPORTANT: CHECK AND IDENTIFY YOUR KIT PARTS

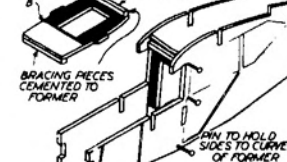


CEMENT ON PIECES 'A' - GRAIN VERTICAL

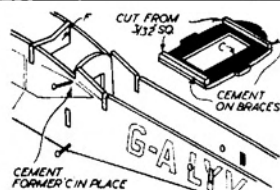


1 Press out all the die-cut sheet parts—free with razor blade if necessary. Cement parts 'A' to inside fuselage.

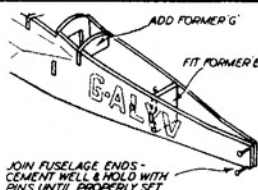
CUT FROM 3/32" SO



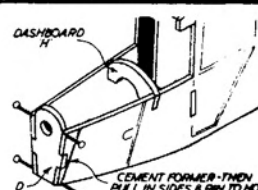
2 Cut to length and cement braces to 'B'—on alternate faces. Assemble sides onto former locating tabs in slots in sides.



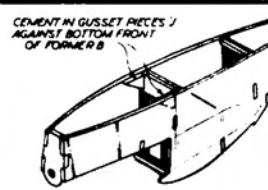
3 Add braces to former 'C'—both same side. Fit former with cement—use pins to hold until set. Fit former 'F'.



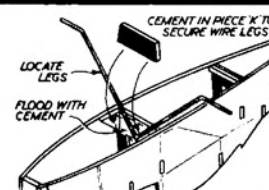
4 Join sides accurately at rear. Spring former 'E' in place in side slots, cement and then fit former 'G' in its slots.



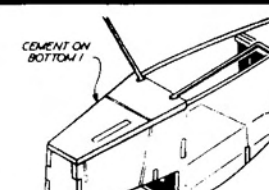
5 Nose former is fitted next. Spring former 'E' in place in side slots, cement and then fit former 'G' in its slots. Check that nose is true and square. Cement in dash (H)



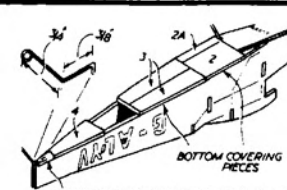
6 Fit gusset pieces, cementing securely. Undercarriage wire should fit snugly across fuselage bearing against 'B'.



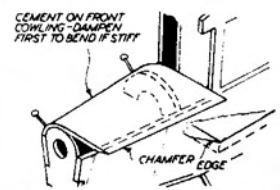
7 Coat bottom face of former 'B' with cement, position undercarriage and fit piece 'K' to hold in place.



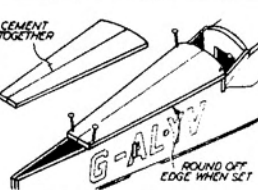
8 Sand edges of sheet sides lightly and cement on bottom covering piece 'L'. Trim to fit over legs if necessary.



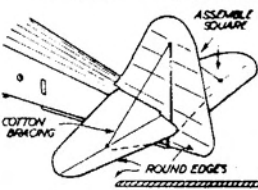
9 Bottom panels 2 and 3 are joined and cemented in place—then 4. Bend rear leg from thin wire. Fit and cement.



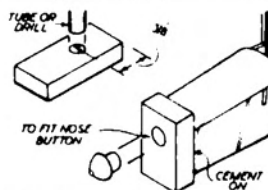
10 Chamfer edges of cowling with sandpaper. Bend round formers and check fit. Cement in place and trim edge flush.



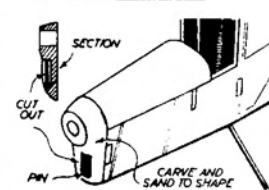
11 Turtleback consists of two panels. Cement together first then fit to fuselage. Trim edges flush and round.



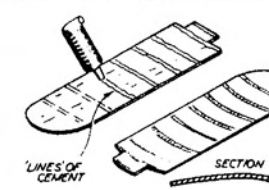
12 Round edges of tail unit parts then cement accurately to fuselage. Scale bracing wires need not be fitted.



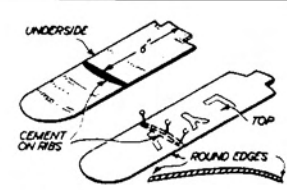
13 Bore a hole in the noseblock using a piece of metal tube with edge filed sharp (or drill). Cement to fuselage.



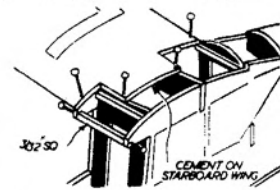
14 Carve noseblock to blend with front of fuselage and sand smooth. Hollow out intake and fit dummy push-rod.



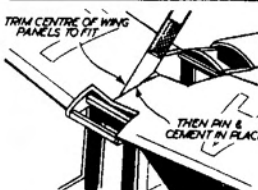
15 Run lines of cement across underside of each wing panel. When dry this will curl wings into an aerofoil section.



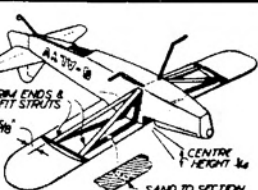
16 Cement on wing ribs '6' from inner end. Edges of wing panels should then be rounded slightly with sandpaper.



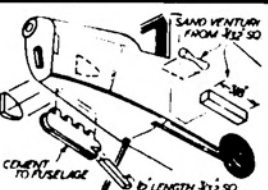
17 Starboard wing can now be cemented to fuselage using pins to hold until set. Top shape of formers gives dihedral.



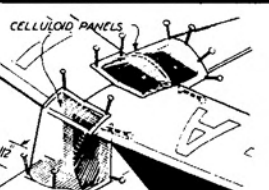
18 Offer up port wing, trim for perfect fit at centre joint, then cement on port wing using pins to hold until set.



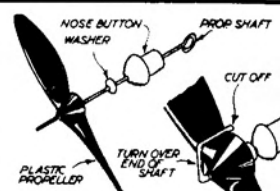
19 Trim ends of wing struts to fit neatly. Sand plain side to section and cement between ribs and fuselage.



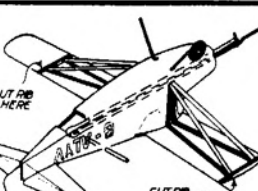
20 Bind end of axle with cotton and cement to retain wheel. Make and fit detail parts in positions marked on fuselage.



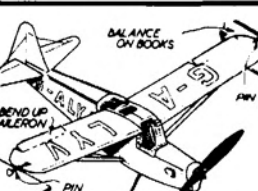
21 Cut cabin celluloid pieces to fit by trial and error. When satisfied with fit cement around edges. Hold with pins.



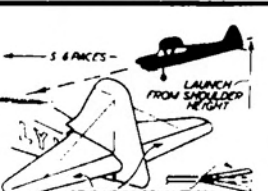
22 Assemble nose button washer and prop. on shaft. Bend back end of shaft to engage propeller. Cut off surplus.



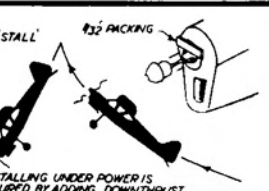
23 Tie rubber in a 10" loop, then pull through fuselage. Anchor rear end with peg (dowel) loop front over prop. shaft.



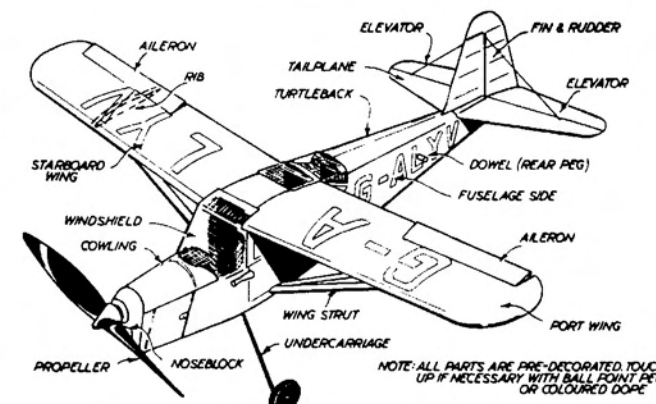
24 Balance model on pins in tips at point marked. Model should balance level. If not, add weight to nose or tail.



25 Check glide trim by hand launching in shallow dive. Bend elevators up to flatten glide down to cure stall.



26 Packing the top of the nose button out (adding downthrust) will cure power stall. Adjust Ailerons for turn.





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PLASTIC PROPELLER, WHEELS ☐ SHAPED WIRE PARTS ☐ RUBBER MOTOR  
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