

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 3/32" OD aluminum tubing is used for the rear motor peg.

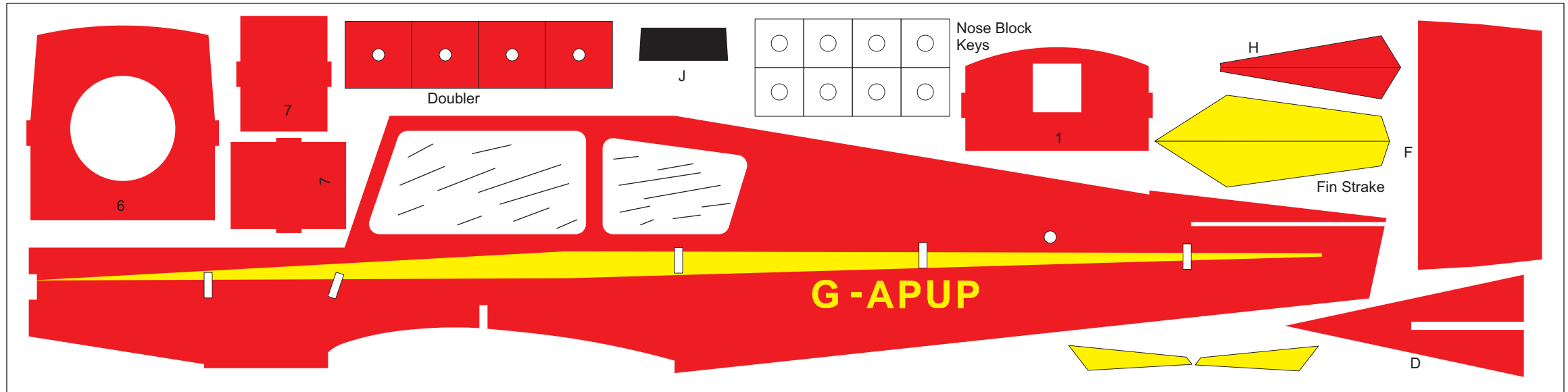
A few minor modifications to the original kit structure have been included. Most notably is the way the landing gear is formed and mounted. The layout provided makes bending the wire parts easier and also simplifies their mounting. These modifications are shown on a supplemental illustration sheet.

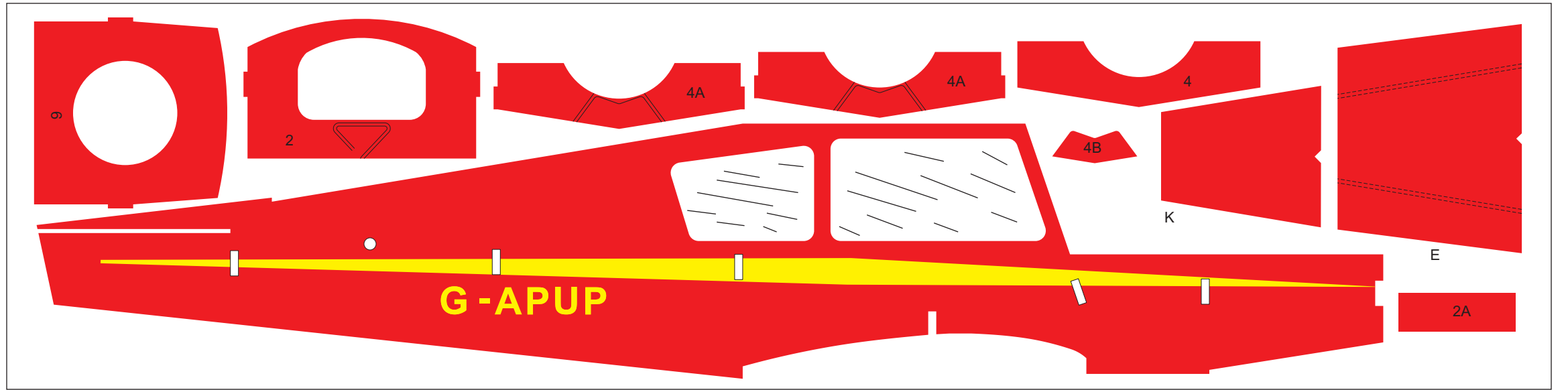
The original kit did not include landing gear leg covers. This drawing package does include them for the main gear legs so the finished model will more closely resemble the box art.

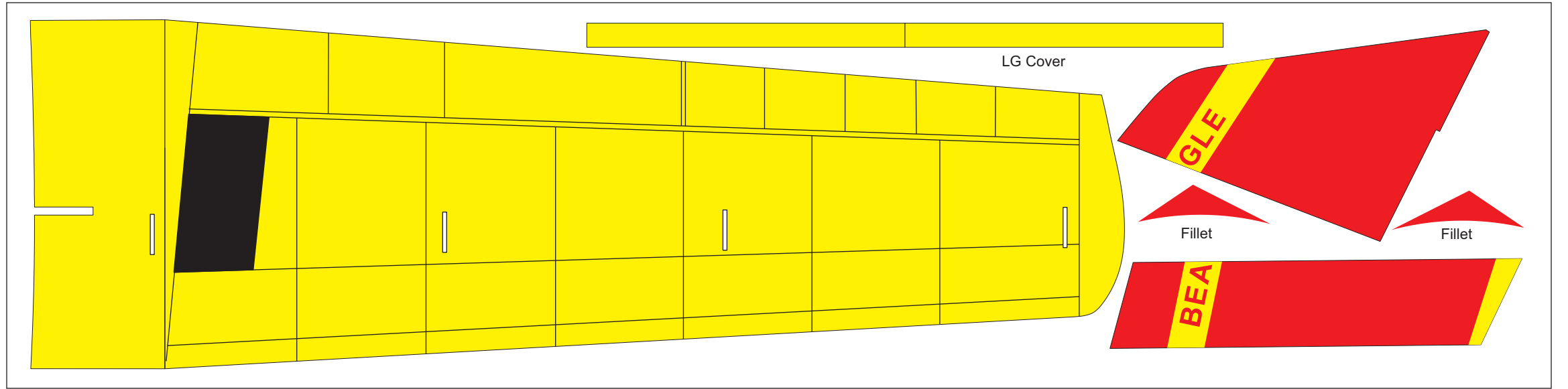
The original kit had some color markings printed on the balsa pieces. This reproduction drawing package uses the original kit markings with colors based on the kit box art.

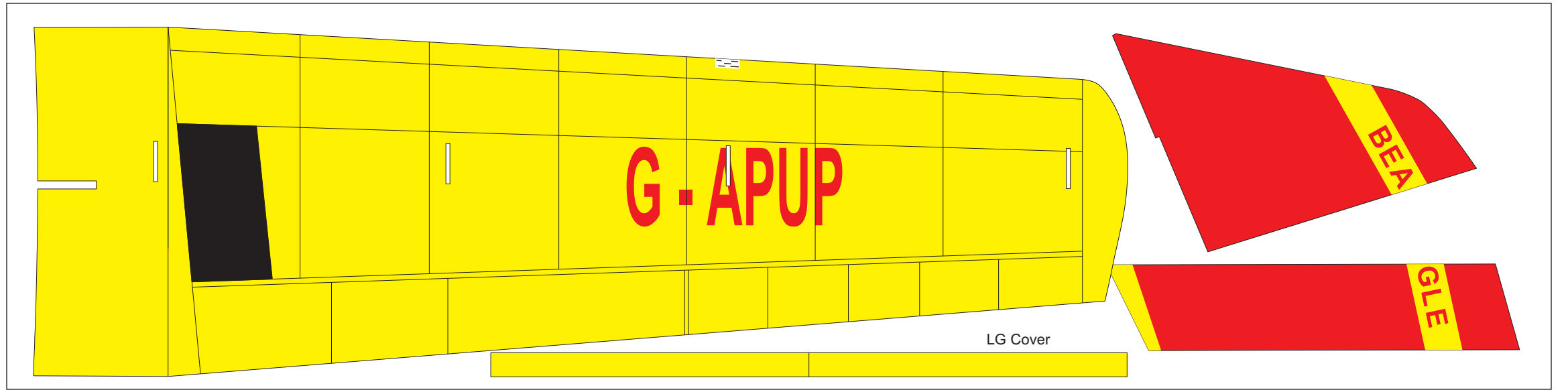
I do hope you build and enjoy a model from this plan package.

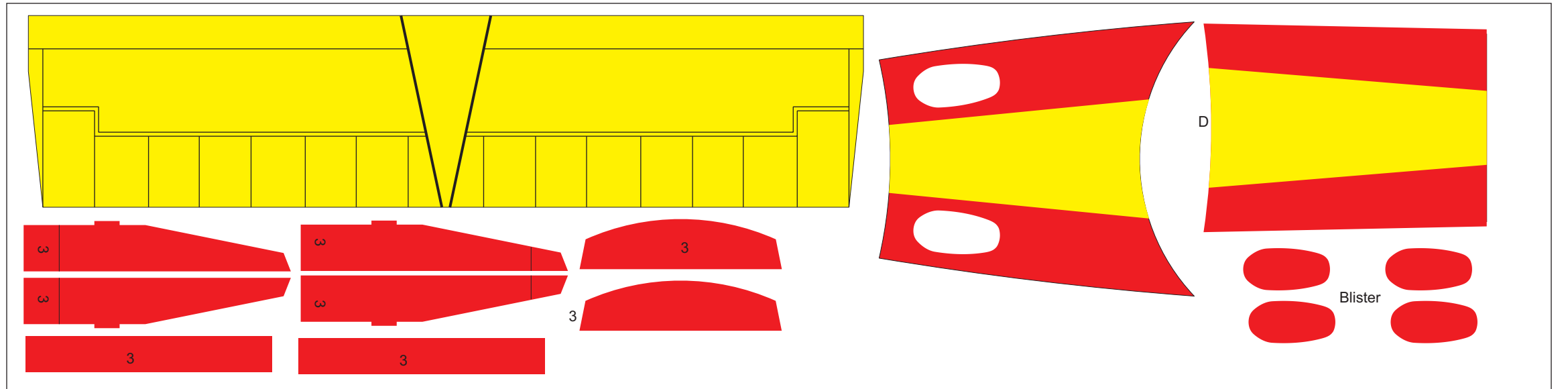
Paul Bradley

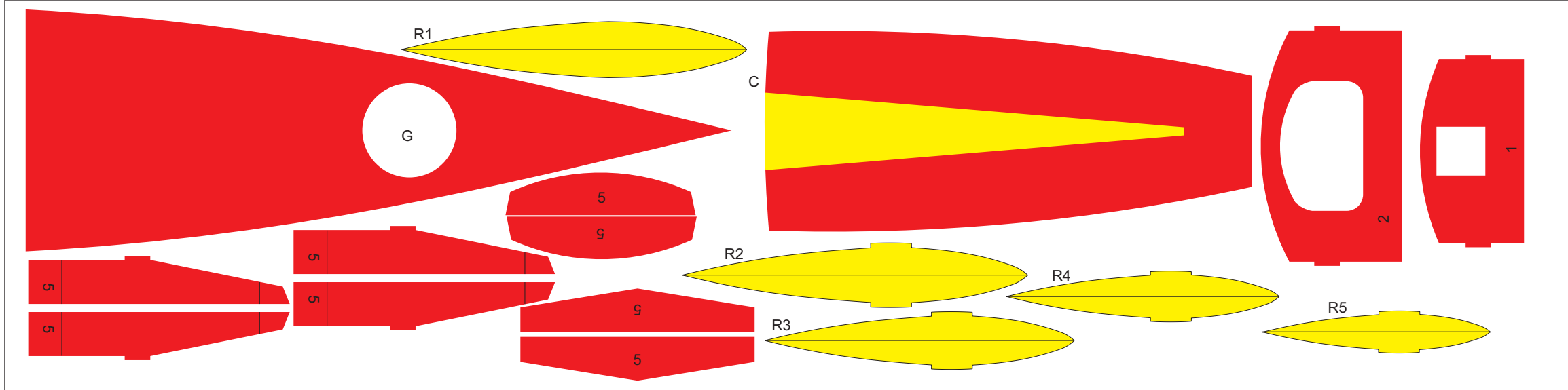


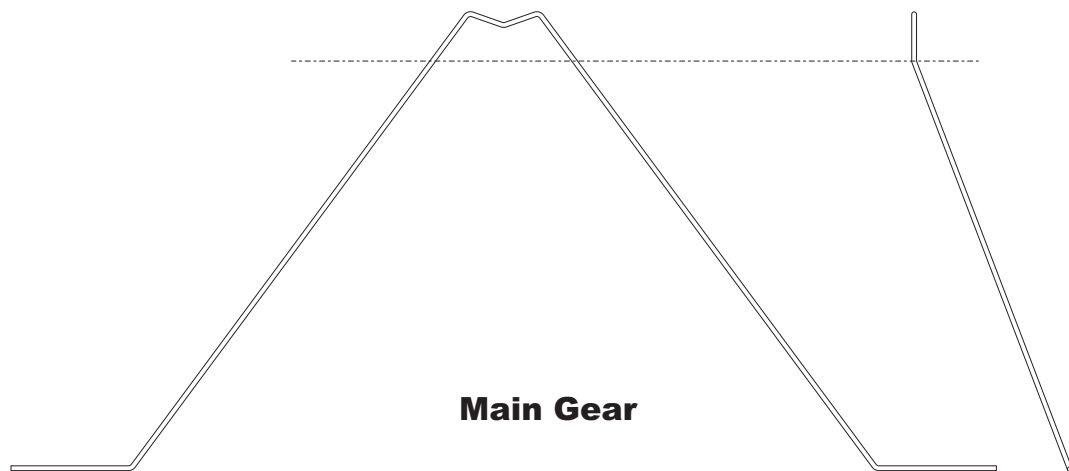




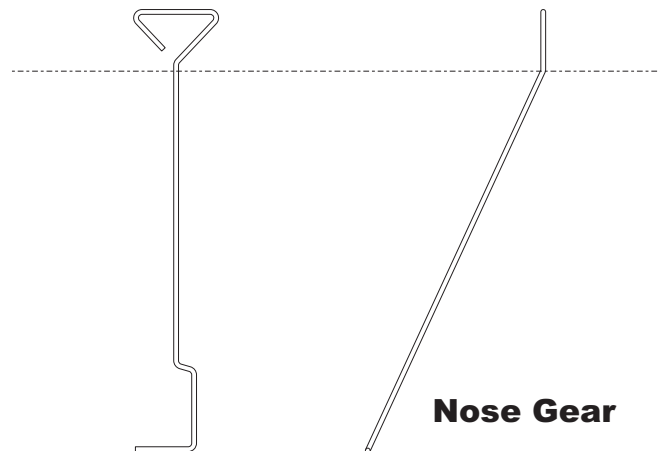






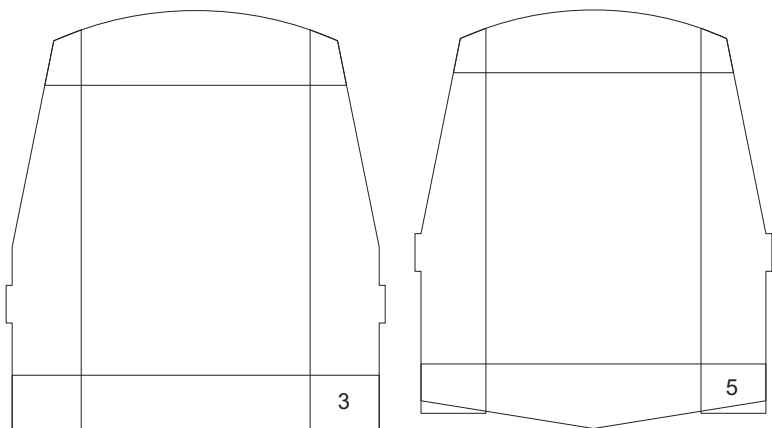


**Main Gear**

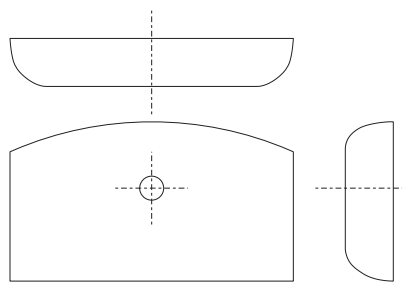


**Nose Gear**

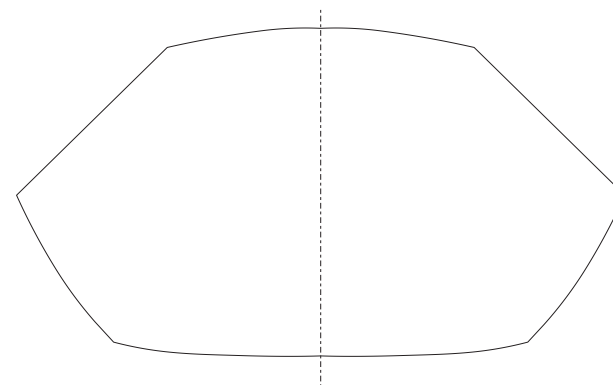
**Landing Gear Patterns - Make from .025 music wire. Use three 3/4" Wheels**



**Assembly Patterns**



**Nose Block**  
**Make from 1/4" balsa**



Windshield Pattern

# **FrogFlite Beagle Pup**





**HALES**

**QuickBuild SERIES**  
RUBBER POWERED FLYING SCALE MODELS

**FROGFLITE KITS**

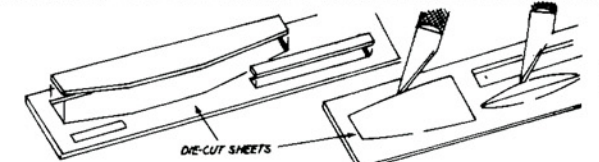
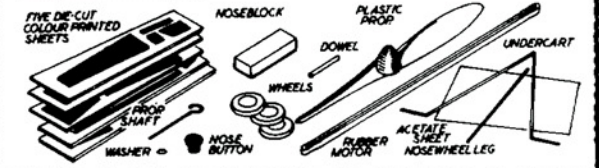
DESIGNED AND DRAWN BY RON WARRING COPYRIGHT IN ALL COUNTRIES  
MANUFACTURED IN ENGLAND BY:

BY A. A. HALES LTD. HINCKLEY, LEICS.

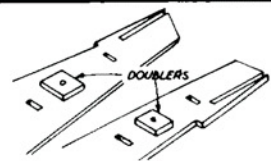
# BEAGLE PUP

**YOUR ASSEMBLY INSTRUCTIONS**

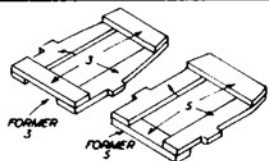
## IMPORTANT: CHECK AND IDENTIFY YOUR KIT PARTS



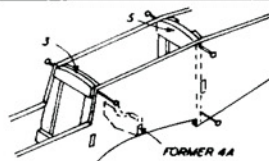
1 Some parts can be pressed straight out of the die-cut sheet. Other parts are held by tags. Free with a modelling knife.



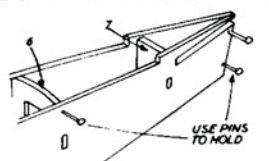
2 Cement the two doubler pieces to inside of each fuselage side.



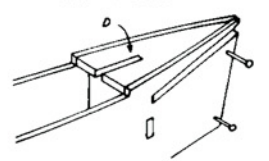
3 Build up former 3 and former 5 from their separate parts.



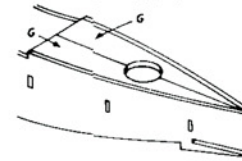
4 Now assemble the two fuselage sides on formers 3, 4A and 5.



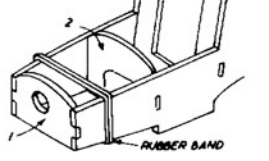
5 Cement in formers 6 and 7, pull in and join sides at rear.



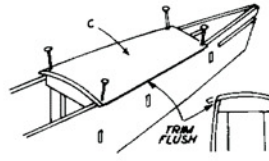
6 Cement in piece D over former 7 and between sides at rear top.



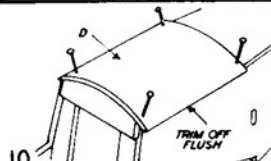
7 Turn fuselage over and cement in the two G pieces to fill bottom.



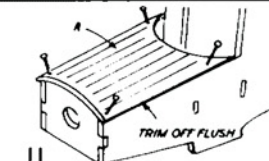
8 Join fuselage halves at front with formers 1 and 2. Hold with band.



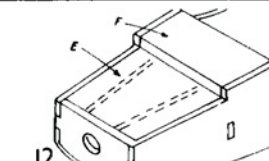
9 Cement on panel C. This is slightly oversized, so trim down when set.



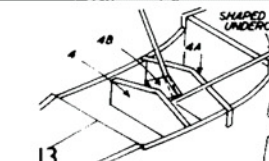
10 Cement on panel D. This is slightly oversized, so trim down when set.



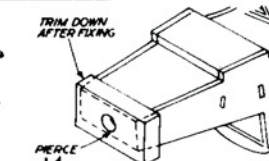
11 Cement on front cowling A and trim off flush with sides when set.



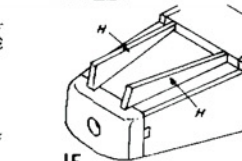
12 Complete filling in the bottom front of the fuselage with E and F.



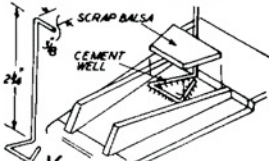
13 Mount undercarriage legs behind 4A, using 4B and 4. Cement well.



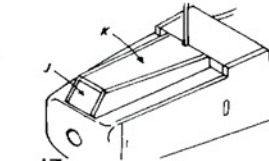
14 Cement noseblock to fuselage front. When set, square off to shape.



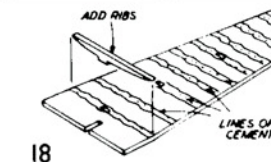
15 Cement the two H pieces to part E on the dotted lines printed on E.



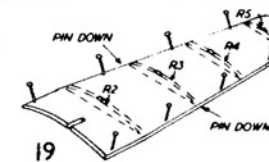
16 Bend noseleg and bed down on part E with cement and scrap balsa.



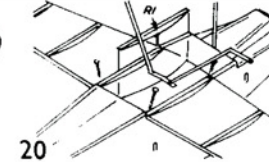
17 Complete the front fuselage assembly by cementing on J and K.



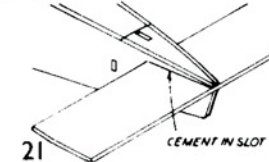
18 Run lines of cement across the bottom of each wing panel and add ribs.



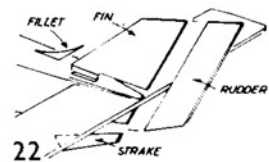
19 Turn wing panels over and pin down on a flat surface until set.



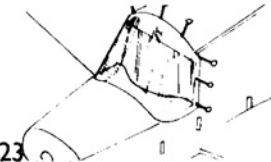
20 Cement the wing halves carefully in place on fuselage. Add rib R1.



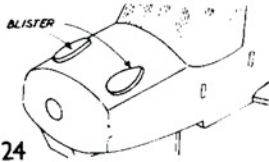
21 Cement the tailplane in the slot in rear of fuselage.



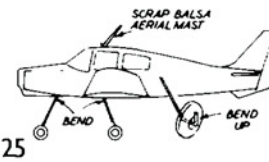
22 Add the fin, rudder, fillet piece and bottom fin strake.



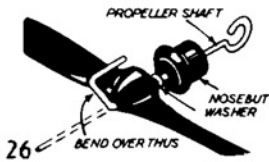
23 Cut windshield to pattern given and carefully cement in place.



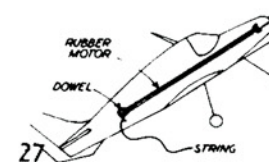
24 Cement blister fairings to top of cowl. Touch up with colour.



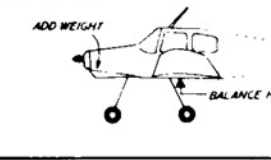
25 Fit wheels, bending up wire to hold. Bend undercarriage legs as shown.



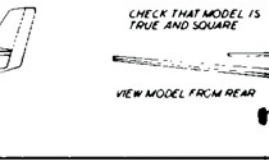
26 Make up propeller assembly and cut off surplus propeller shaft.



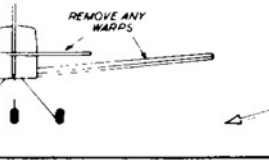
27 Dowel through holes in fuselage sides anchors rear of motor.



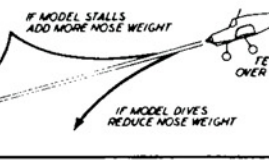
ADD WEIGHT  
BALANCE HERE



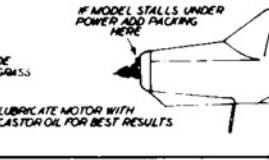
CHECK THAT MODEL IS TRUE AND SQUARE  
REMOVE ANY WARPS  
VIEW MODEL FROM REAR



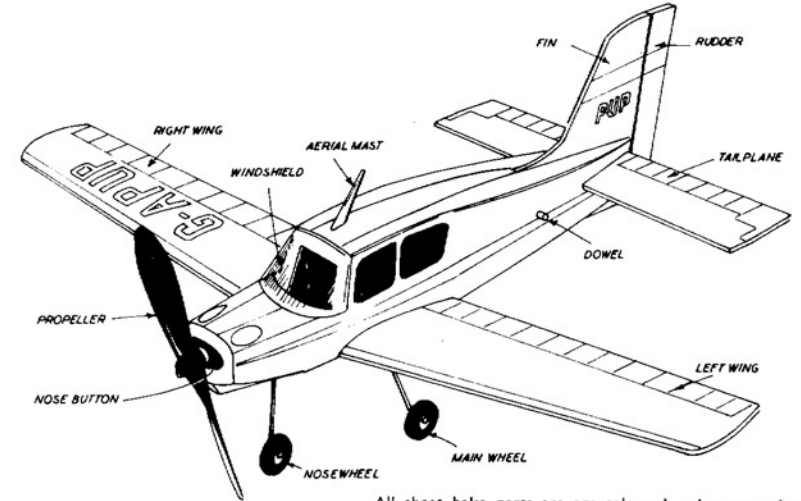
TEST GLIDE OVER LONG GRASS



IF MODEL STALLS ADD MORE NOSE WEIGHT  
IF MODEL DIVES REDUCE NOSE WEIGHT



LUBRICATE MOTOR WITH CASTOR OIL FOR BEST RESULTS



# BEAGLE PUP

All sheet balsa parts are pre-coloured and so no colour doping is required to finish. However, joint lines may show plain balsa which can be touched up with a coloured ball point pen. Other colour details may be added, if required, with coloured dopes.





# BEAGLE PUP

## HALES

*Quick Build* SERIES  
RUBBER POWERED FLYING SCALE MODELS

### FROGFLITE KITS

ALL BALSA DIE-CUT & COLOUR PRINTED  PARTS READY TO ASSEMBLE  
PLASTIC PROPELLER, WHEELS  SHAPED WIRE PARTS  RUBBER MOTOR  
SUPER DETAILS — STEP-BY-STEP PLAN

MADE IN ENGLAND BY A. A. HALES LIMITED · HINCKLEY · LEICESTER

