

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 web site. This material can be printed using 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.

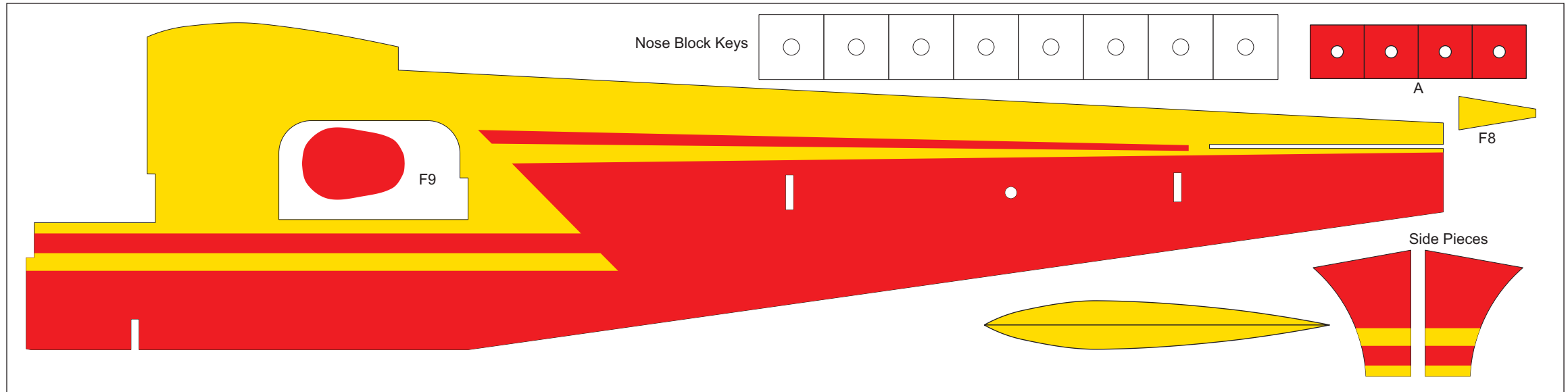
The kit included reinforcements for the rear motor peg. The parts in this package include the same rear motor peg reinforcement parts. The only difference is two sets of those parts are included to allow for models build from 1/32" balsa. This has proven to be plenty strong for a fully wound motor of 1/8" Tan rubber. A piece of 3/32" OD aluminum tubing is used for the rear motor peg.

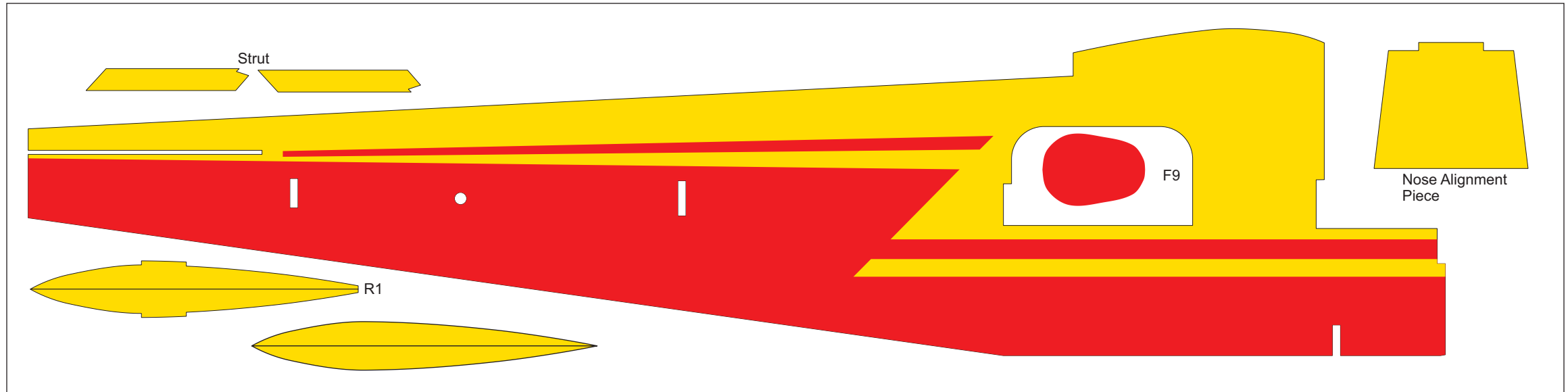
The original kit landing gear leg covers have been modified to allow for a more scale looking appearance and to make them more robust. Each cover is two laminations of 1/32" balsa that sandwiches the music wire landing gear leg in the middle of the laminations.

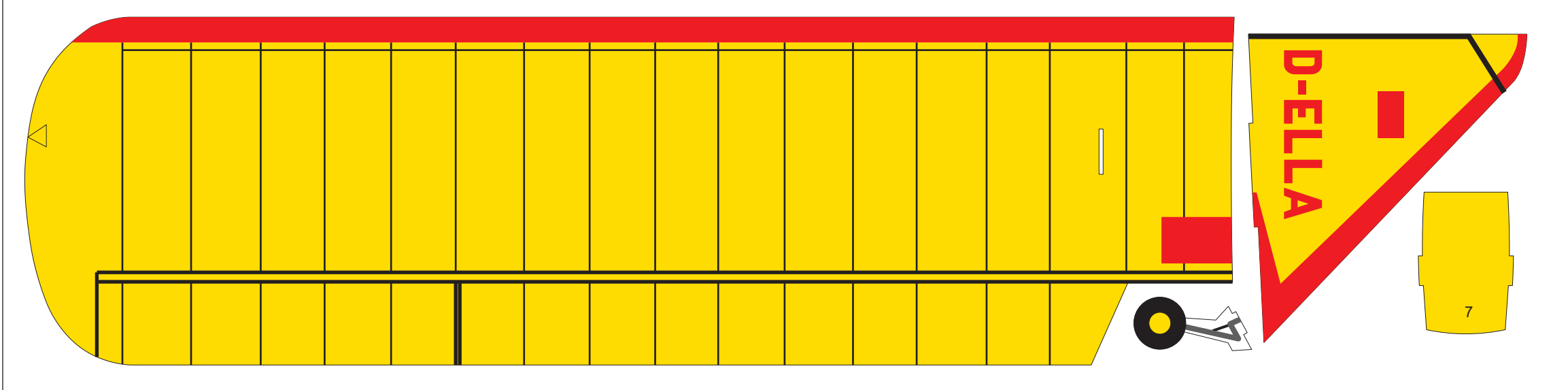
The original kit had some color markings printed on the balsa pieces. This reproduction drawing package uses enhanced markings based on the Dornier DO 27 kit box art.

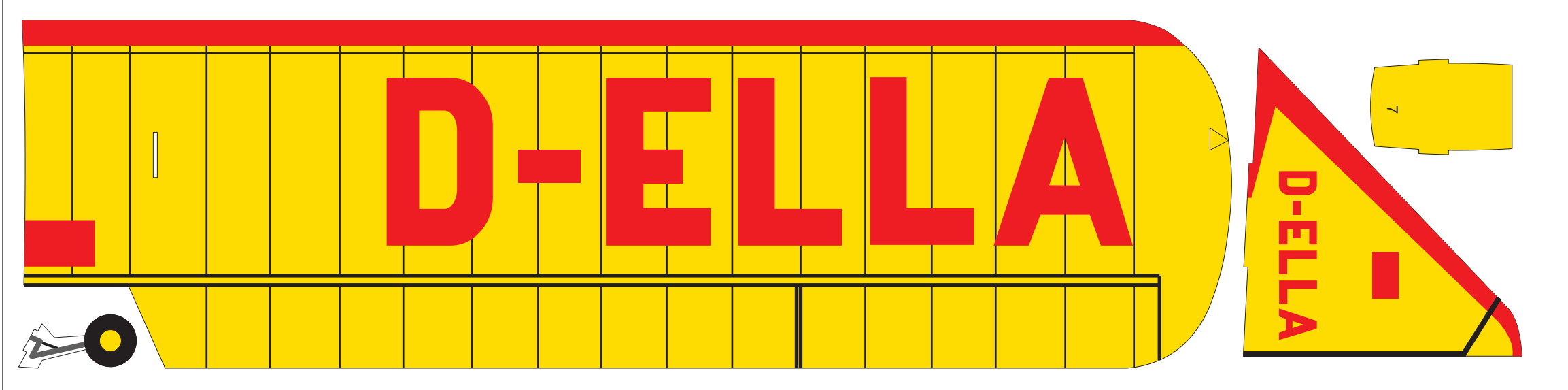
I do hope you build and enjoy a model from this plan package.

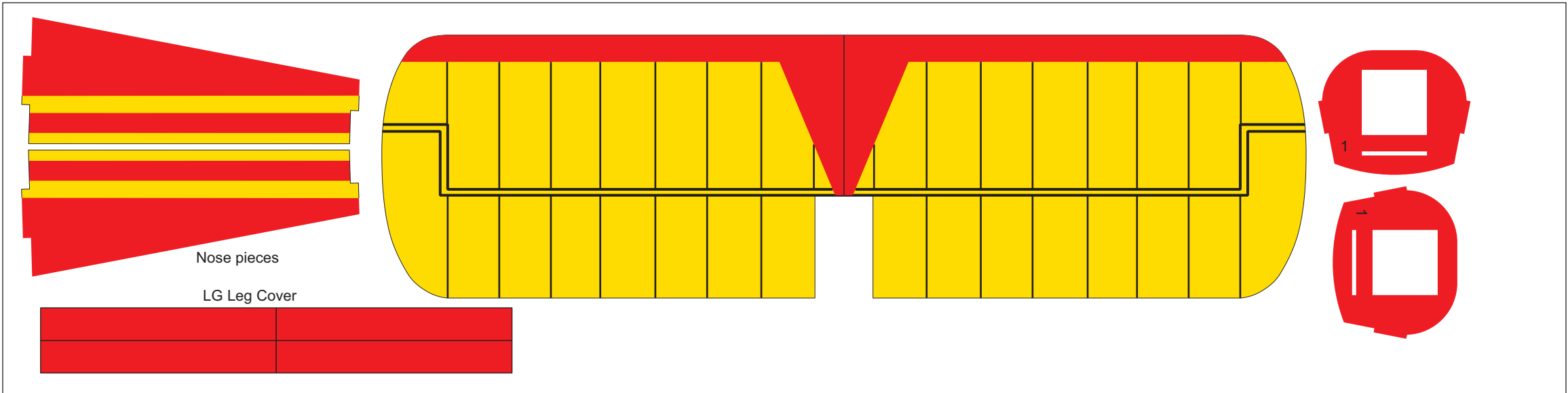
Paul Bradley

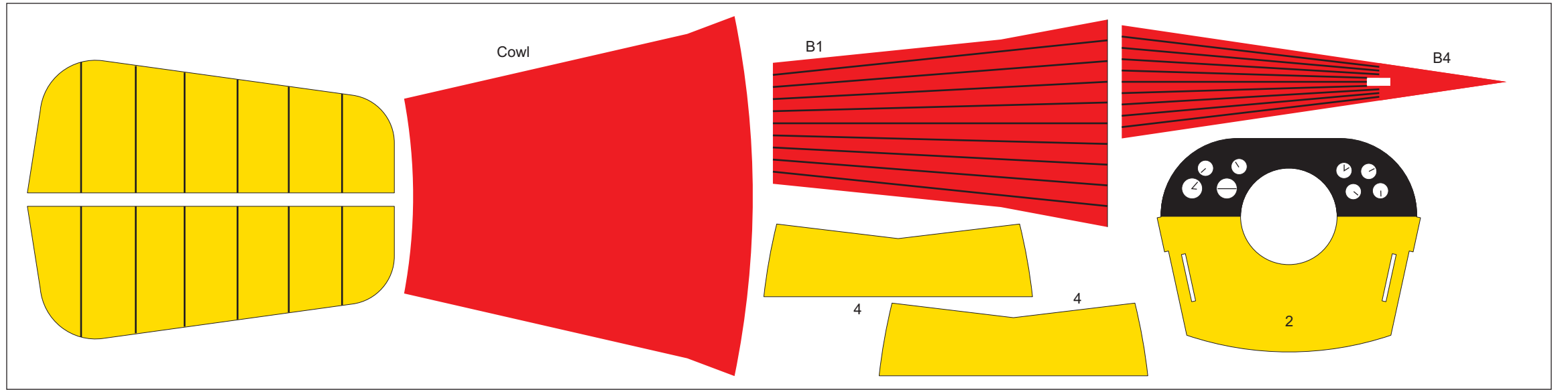


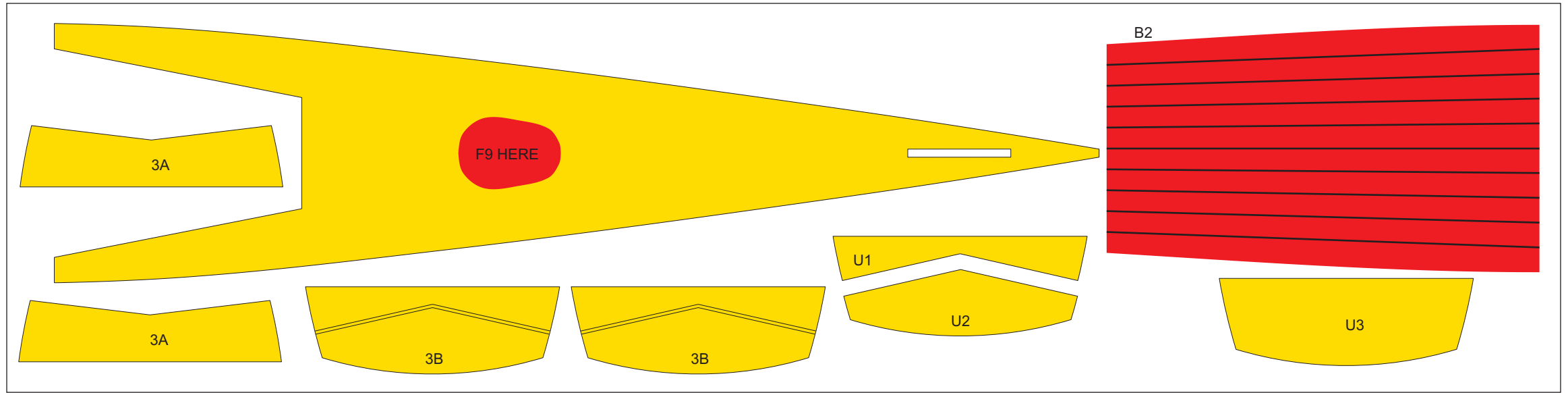


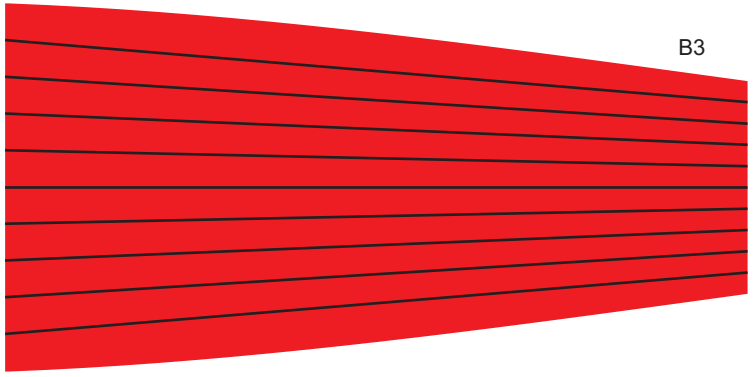




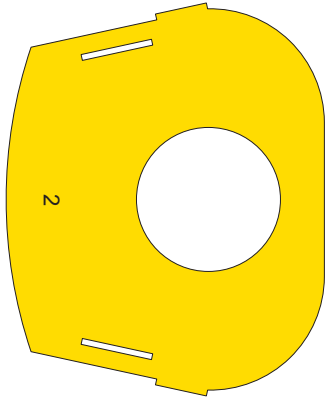




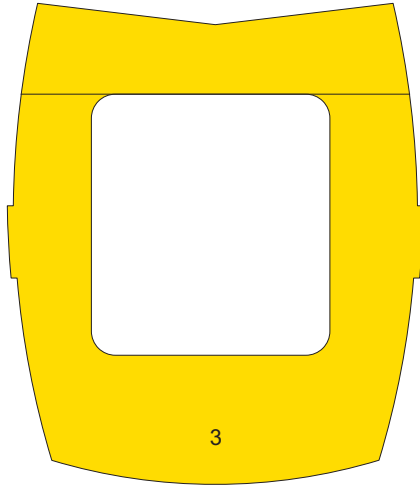




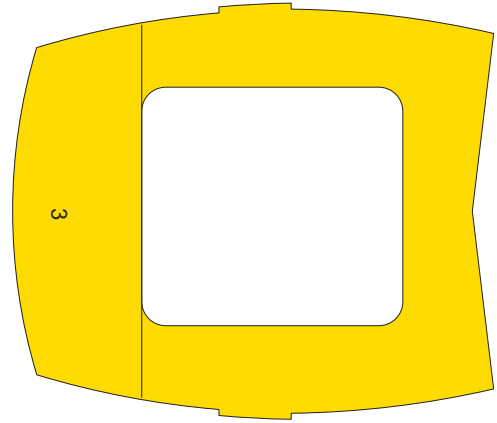
B3



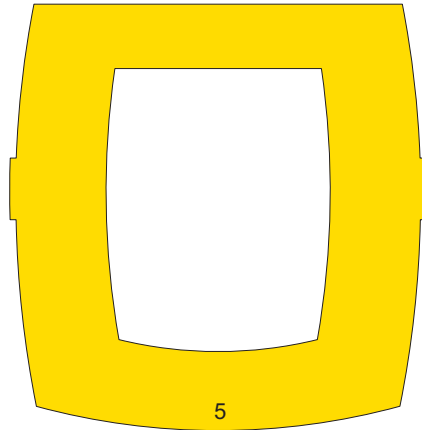
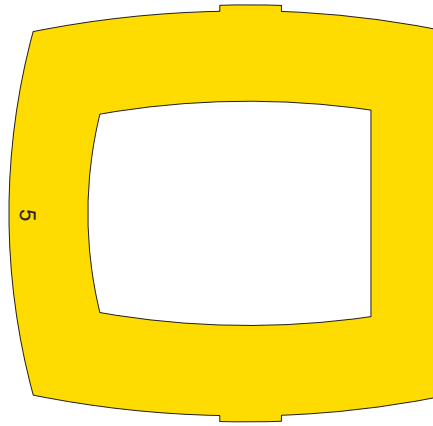
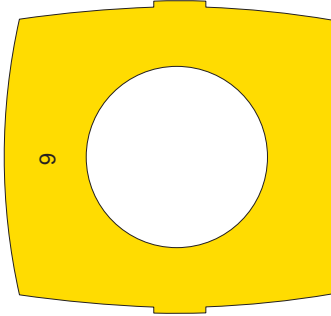
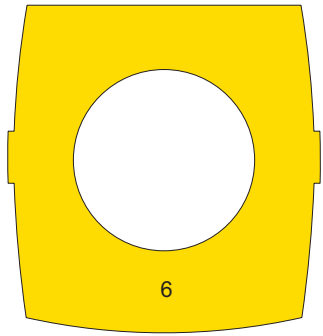
2

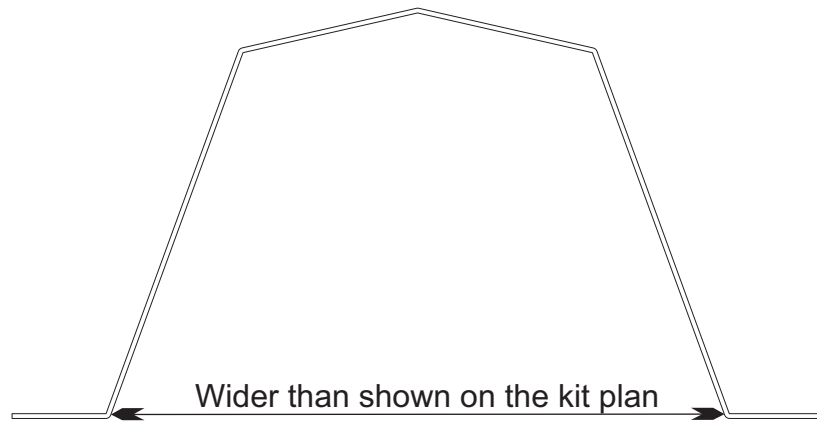


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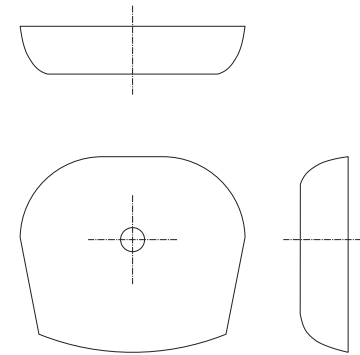


3

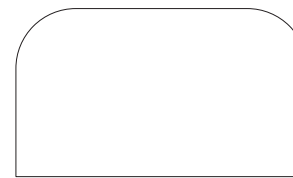
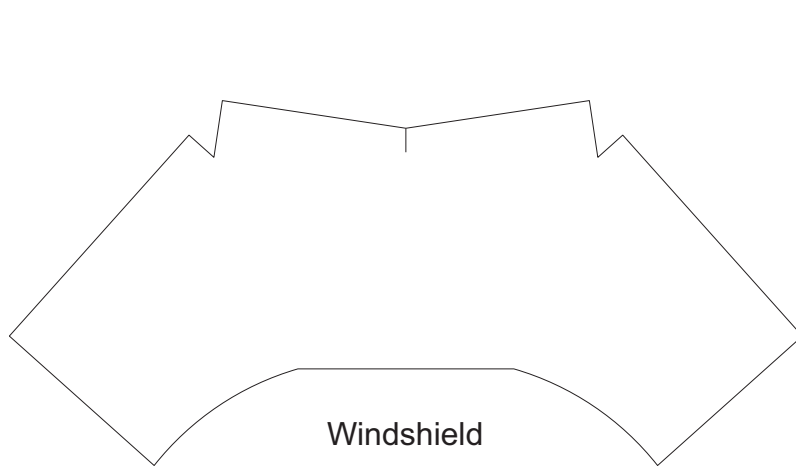




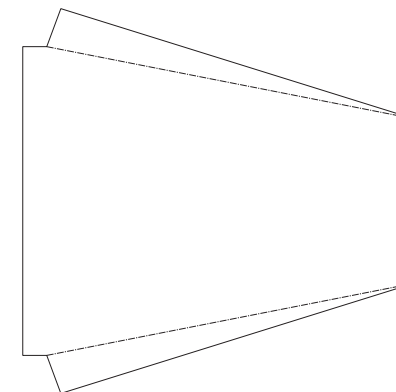
Landing Gear Pattern - Make from .025 music wire. Use 3/4" Wheels



Nose Block - Make from 1/4" balsa



Side Windows
Make 2

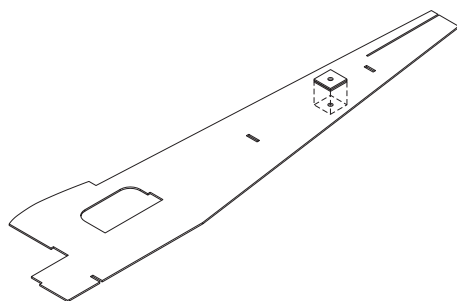


Top Window

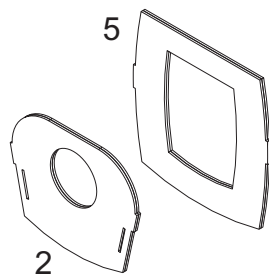
Windshield and Window Patterns

FrogFlite Dornier DO 27

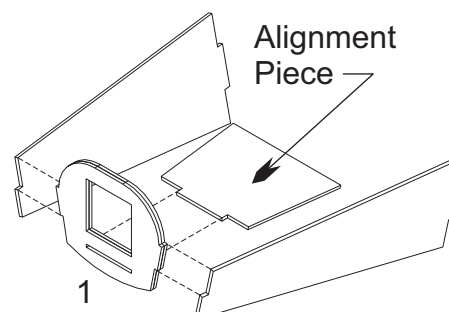
Modifications to Original



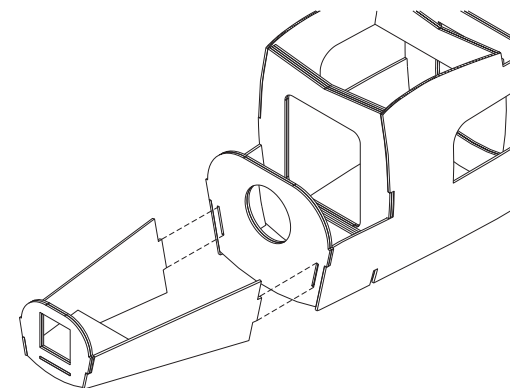
Do not perform steps 1 and 2 on the kit plan. Start with step 3. The fuselage sides will look a little different as the forward area has been modified.



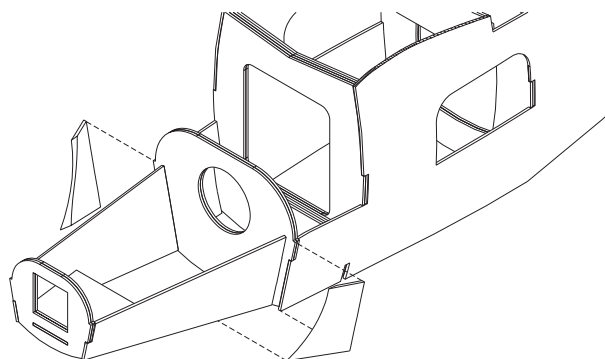
In step 4 of the kit plan formers 2 and 5 do not need the cross pieces. Note that former 2 has slots that are not shown on the kit plan.



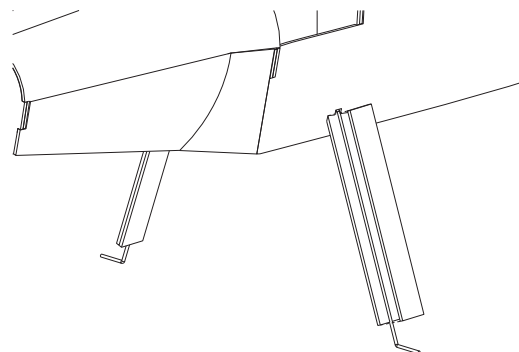
Replace step 7 on the kit plan with this and the next two assembly steps. The forward section of the fuselage has been modified to allow the printed graphics to be retained. The original requires sanding that removes the printed graphics in a section. Begin by building the forward fuselage section as shown above. Glue the alignment piece to former 1 and then add the sides.



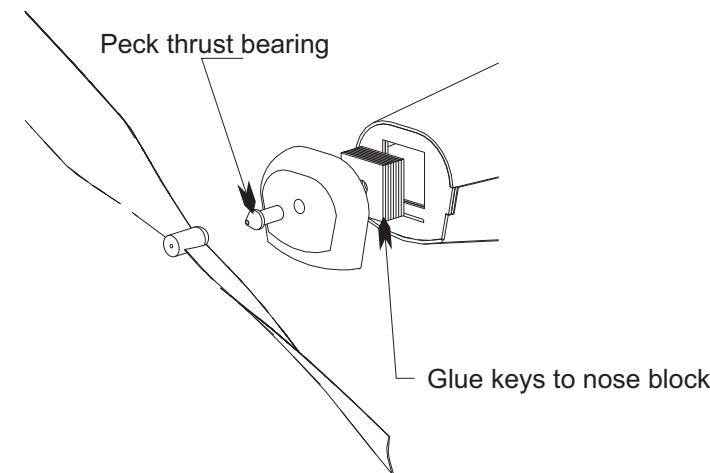
Glue the forward fuselage section to former 2. The tabs fit in the slots.



Sand the inside forward edge of the side pieces to a taper. Glue each side piece to the fuselage assembly as shown.

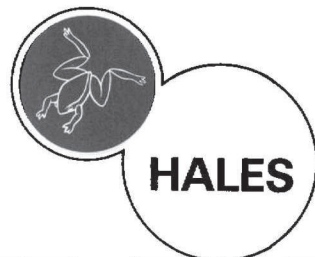
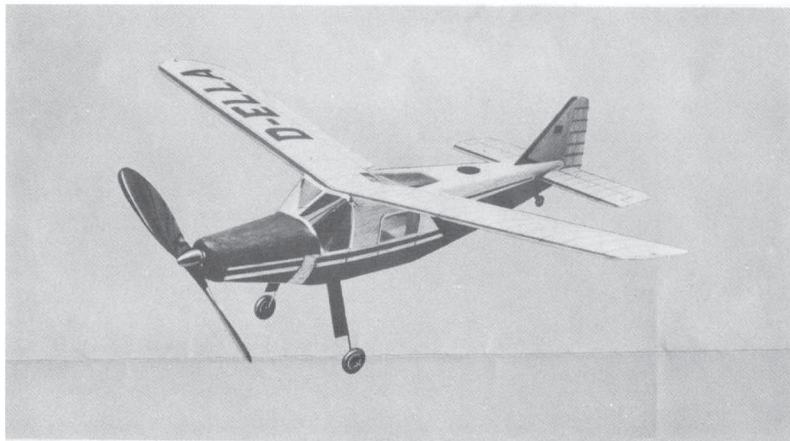


The landing gear leg covers have been set up to sandwich the gear leg rather than be glued to the forward edge as shown on the kit plan in step 23.



The nose block is removable for stretch winding as opposed to the fixed block shown on the kit plan. The nose block is made from 1/4" balsa. Glue the laminated key block to the rear face of the nose block.

FrogFlite Dornier DO 27



QuickBuild SERIES
RUBBER POWERED FLYING SCALE MODELS

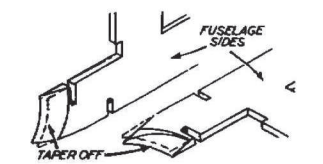
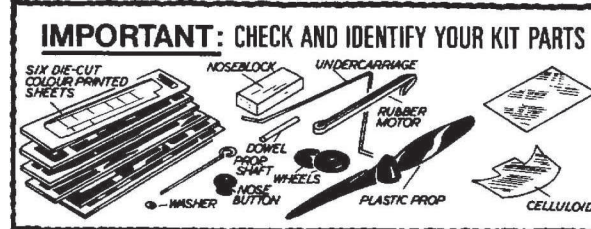
DORNIER Do27

FROGLITE KITS

DESIGNED AND DRAWN BY RON WARRING
MANUFACTURED IN ENGLAND BY:

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

YOUR ASSEMBLY INSTRUCTIONS



Taper front of each fuselage side using sandpaper.

2 Cement nose piece in place on inside of each side.

3 Cement on 'A' pieces lined up with dowel holes in sides.

4 Cement on bracing pieces to formers 2, 3 and 5.

5 Assemble sides on formers 3 and 5 then add former 4.

6 Add rear formers and cement sides together at tail end.

7 Fit front formers carefully using pins and bands to hold.

8 Bend undercart to this shape.

9 Mount undercarriage carefully and allow to set.

10 Cement on bottom planking fitting between sides.

11 Tape cowl to bend without splitting. Trim to fit.

12 Drill noseblock and cement to front of fuselage.

13 Cement on rear decking—then round off all fuselage edges.

14 Shape noseblock carefully to blend into fuselage lines.

15 Cement lines will curl wings to camber—then add ribs.

16 Cement wings accurately and firmly to top of cabin.

17 Cement fin parts into slot in fuselage rear decking.

18 Cement tailplane into fuselage slot then add filler piece.

19 Strut cemented in place as shown to strengthen nose.

20 Cement windscreen in place without smearing celluloid.

21 Fit celluloid cabin roof and side cabin windows.

22 Finish windscreen by lining with silver dope.

23 Fit undercarriage fairing. Mount wheels on axles.

24 Cement on rudder. Fit tailwheel braced with pin.

25 Make up propeller assembly and cut off surplus prop. shaft.

26 Rubber band motor loops on prop. shaft ready to fit.

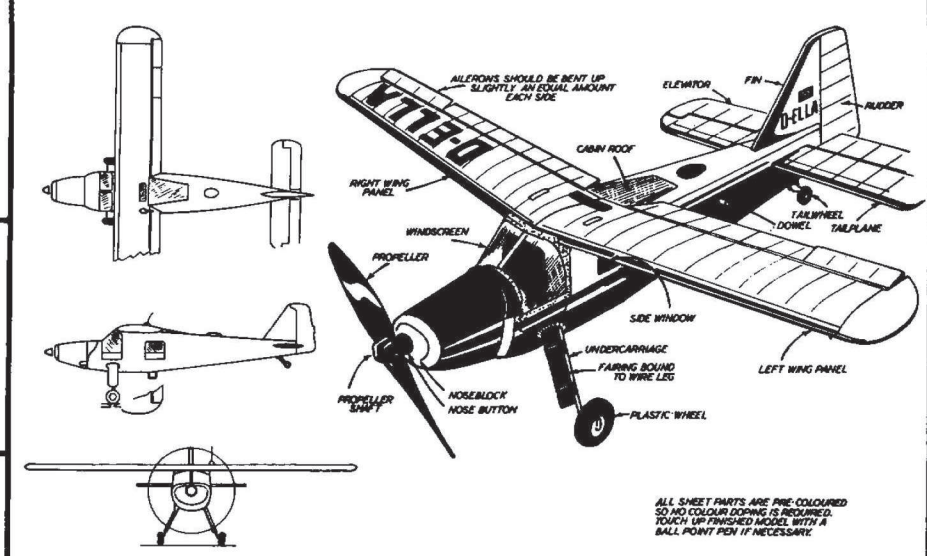
27 Dowel through fuselage sides anchors rear of motor.

28 CHECK BALANCE
MODEL SHOULD BALANCE LEVEL SUPPORTED AT ARROWS ON WING TIPS

29 CHECK RIGGING
VIEW MODEL FROM REAR TO SEE IF IT IS ASSEMBLED TRUE & SQUARE

30 CHECK GLIDE
IF MODEL STALLS - BEND ELEVATORS DOWN SLIGHTLY
IF MODEL DIVES - BEND ELEVATORS UP SLIGHTLY

31 CHECK POWER-ON TRIM
IF MODEL STALLS INSERT THIN PACKING AT TOP OF NOSEBUTTON



NOTE: THIS THREE-VIEW DRAWING IS OF THE FULL SIZE AIRCRAFT THE FLYING MODEL HAS INCREASED DIHEDRAL & ENLARGED TAIL SURFACES - NECESSARY FOR STABILITY

ALL SHEET PARTS ARE PRE-COLOURED SO NO COLOUR DOPEING IS REQUIRED. TOUCH UP FINISHED MODEL WITH A BALL POINT PEN IF NECESSARY.

FROGFLITE



HALES

Quick Build series

Rubber Powered Flying Scale Models

DORNIER DO27

