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. My printer will handle up to 1/20" sheet, but I find 1/32" is a little easier to handle in the printer. As a result, some of the parts have been drawn to allow for cross grain laminations. The fuselage formers are a good example. Like the original kit, the fin as also been drawn with a mirror image to allow for markings on both sides. Using 1/32” stock makes the fin much a lot more appealing to the eye.

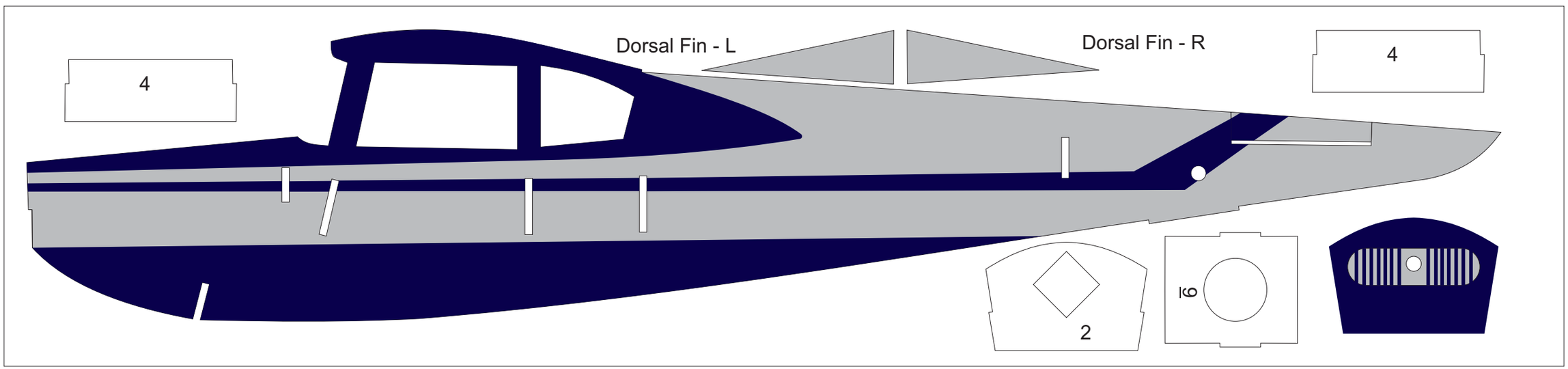
I like to use a removable nose for winding. The parts have been drawn with this in mind. The nose former has been drawn so a removable nose plug can be used. Back the colored nose piece with 1/64” plywood. This assembly will then plug into the square opening in the fuselage nose former. I like to use a Peck thrust bearing for 1/32" prop shafts in the removable nose plug.

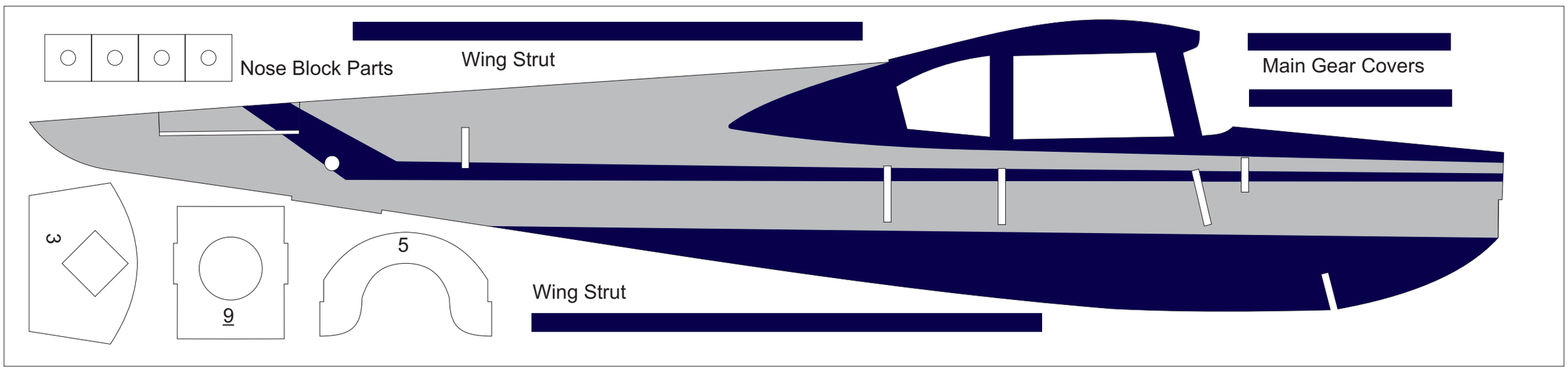
When using 1/32" sheet for the fuselage sides, I was concerned about the load of a fully wound motor on the rear motor peg. I like to use a piece of 3/32" aluminum tubing for the rear peg. This makes holding the model in a winding stooge very easy. To create a bit more strength at the rear peg, I apply a 3/8" diameter disk of 1/64” plywood to the inside of each fuselage side at the peg location. This has proven to be plenty strong for a fully wound motor of 1/8" Tan II rubber.

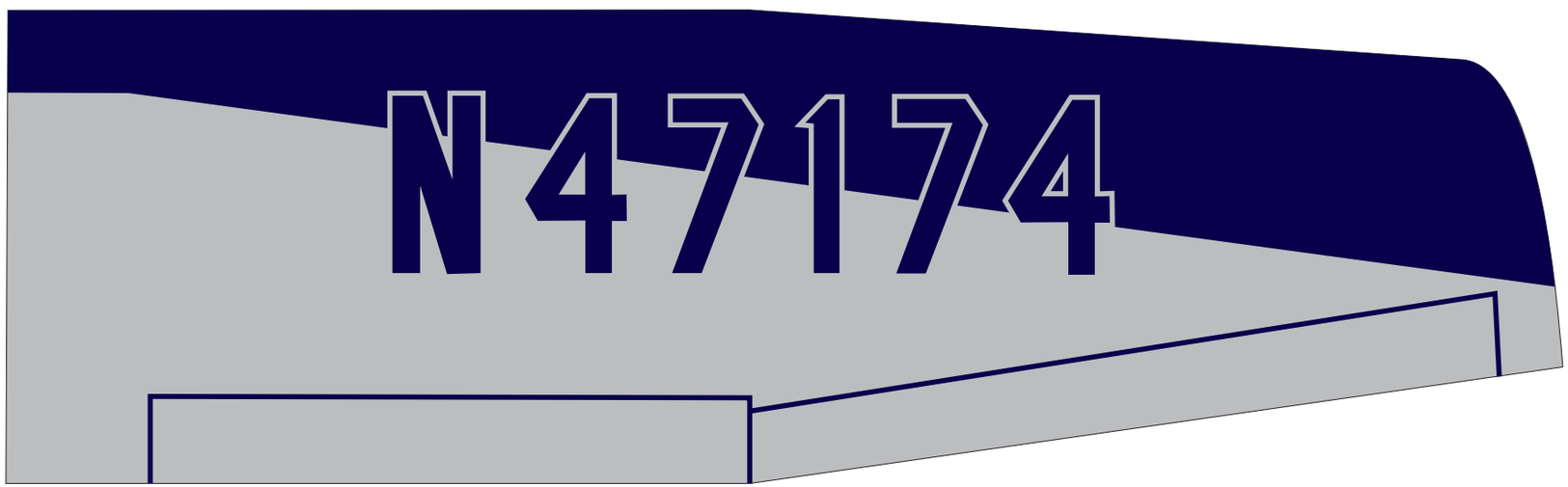
The original kit did not include the wheel pants that are on the full scale Cessna 182 Skylane. While some Skylane owners fly their airplanes without wheel pants, the airplane sure does suffer in appearance. As a result, simple wheel pants were developed for the model contained in this package. They do not have to be built and installed, but the small additional effort sure does dress up the model. A drawing has been included to aid the assembly of the optional wheel pants.

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

Paul Bradley


Dorsal Fin - L
Dorsal Fin - R
4
4
2
3


Nose Block Parts
Wing Strut
Main Gear Covers
3
9
5
Wing Strut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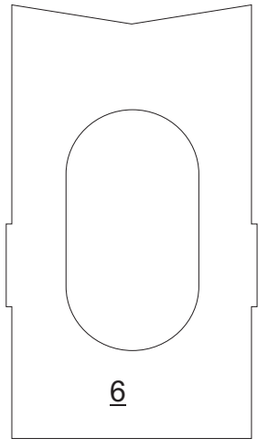
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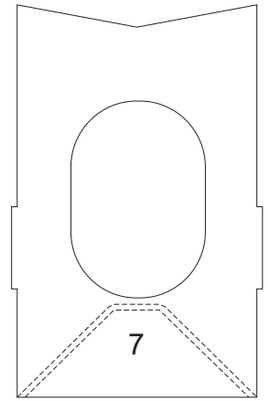
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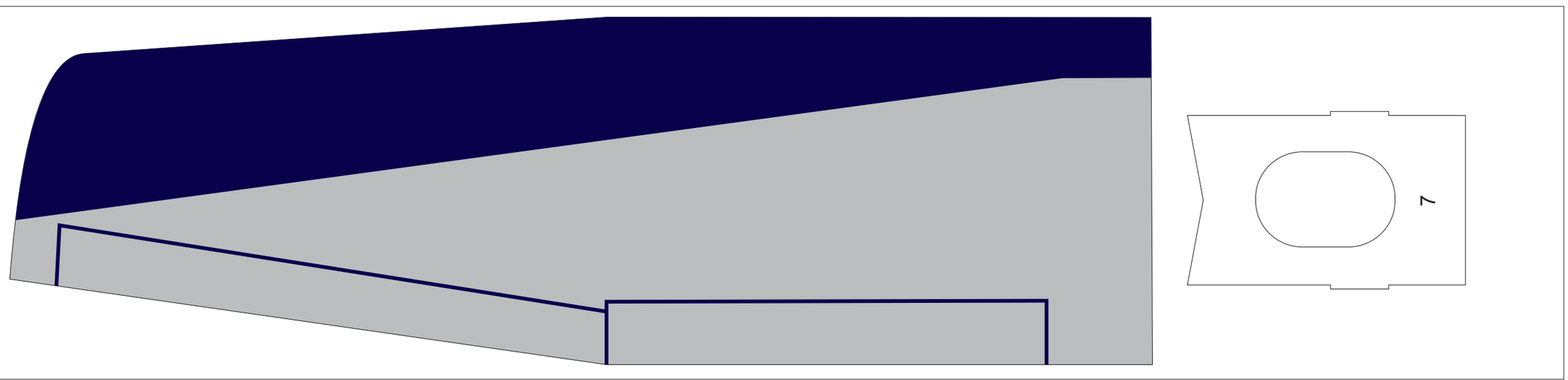
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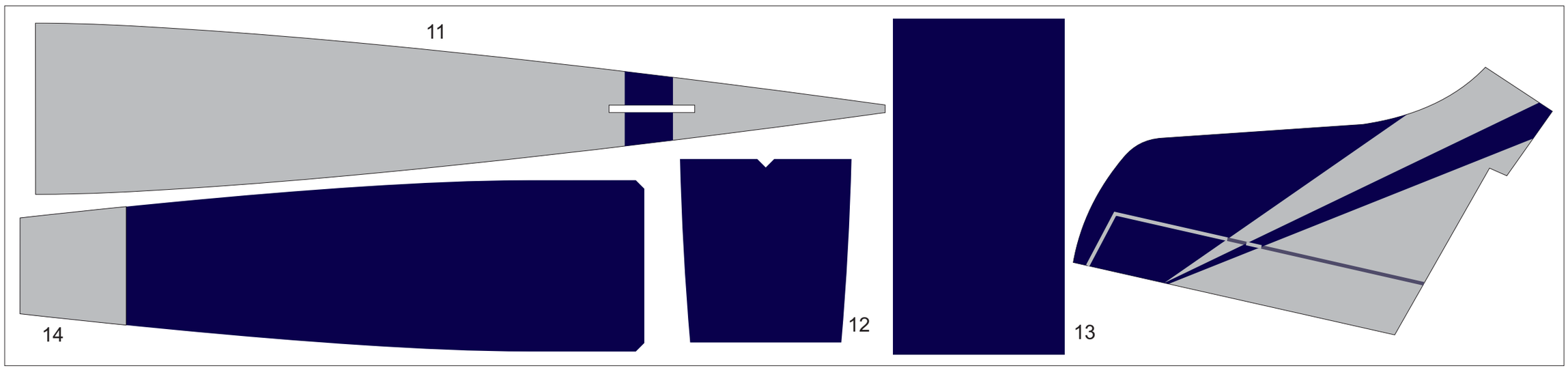
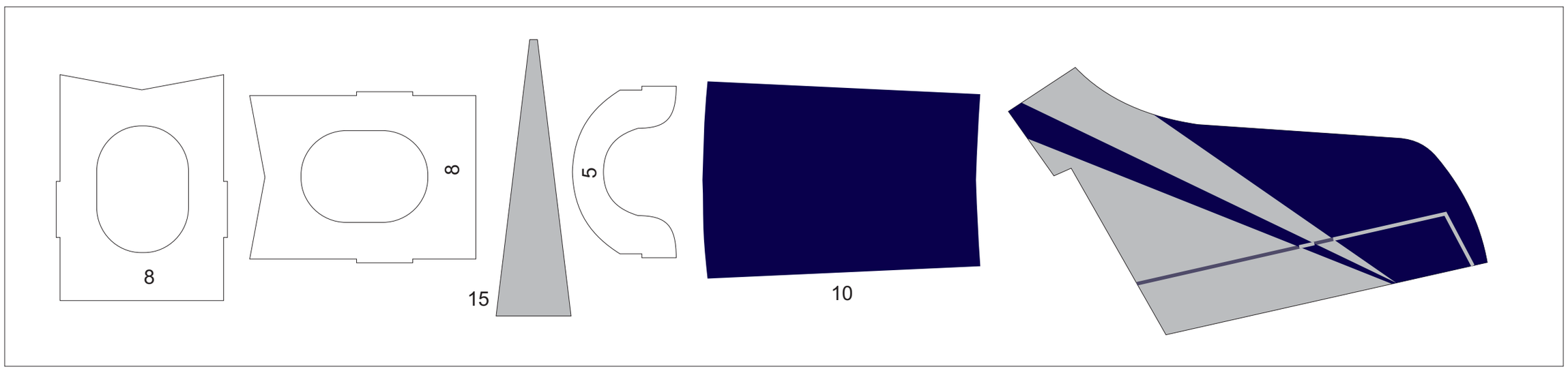
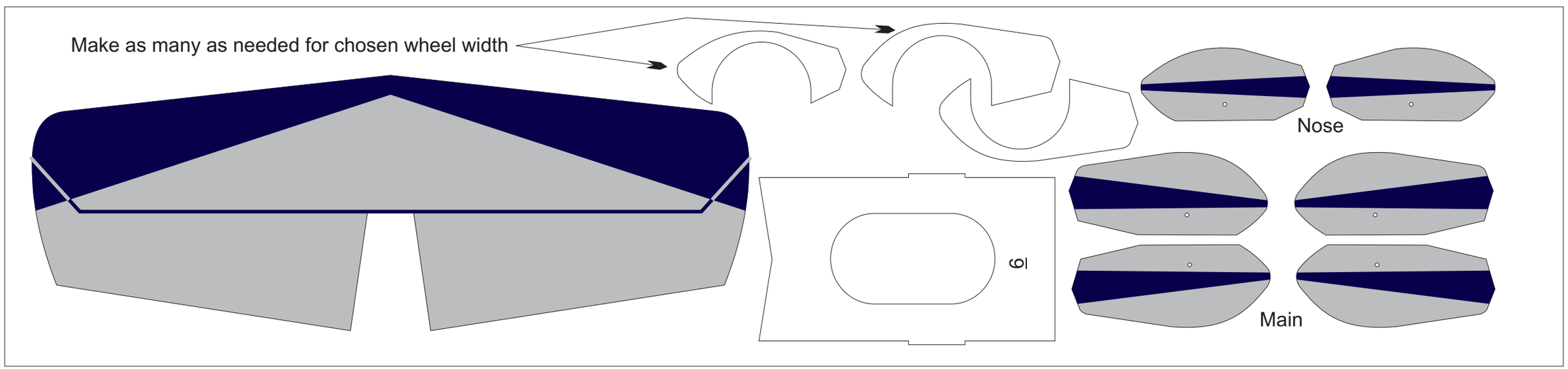
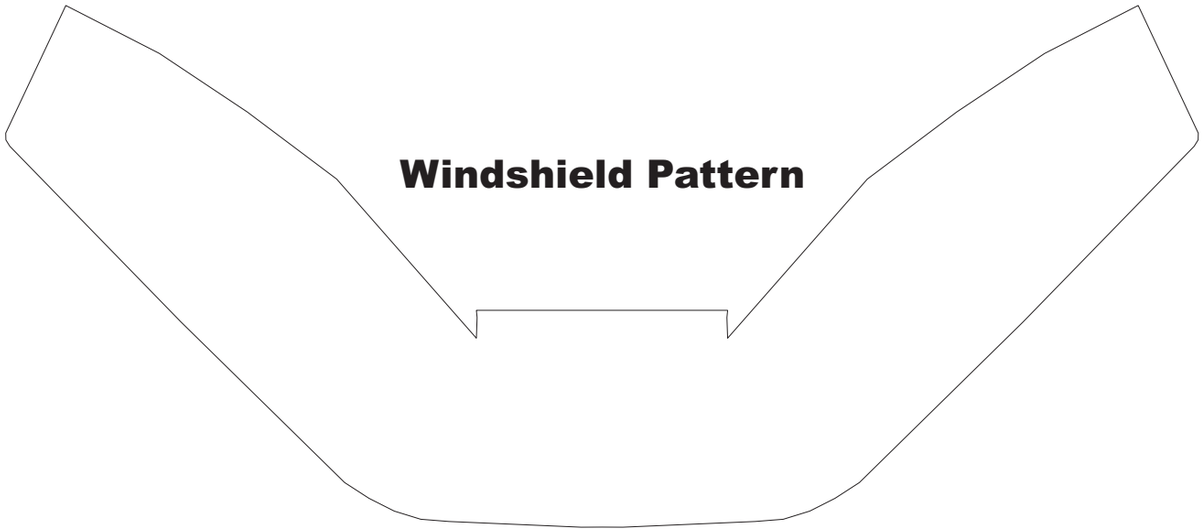
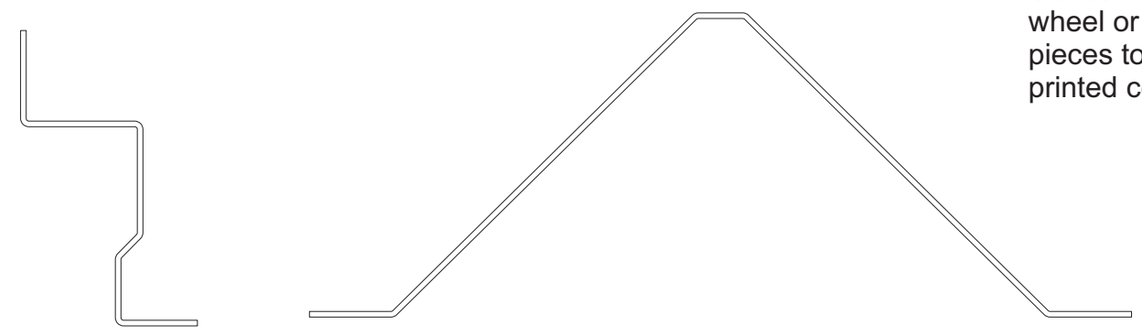

11
12
13
14


8
8
15
5
10


Make as many as needed for chosen wheel width
Nose
Main

Windshield Pattern





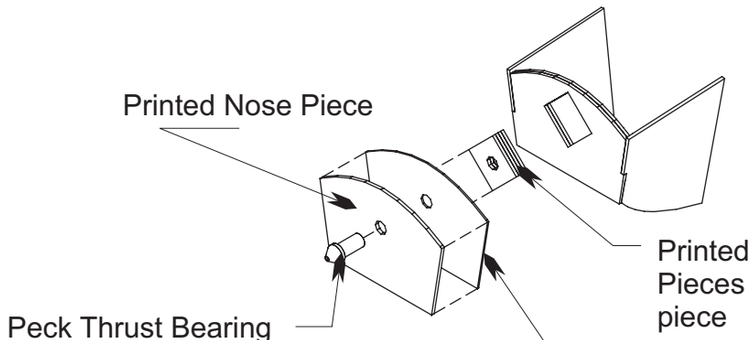
Nose Gear

Main Gear

Landing Gear
Make from .025 music wire
Wheels are .75” diameter

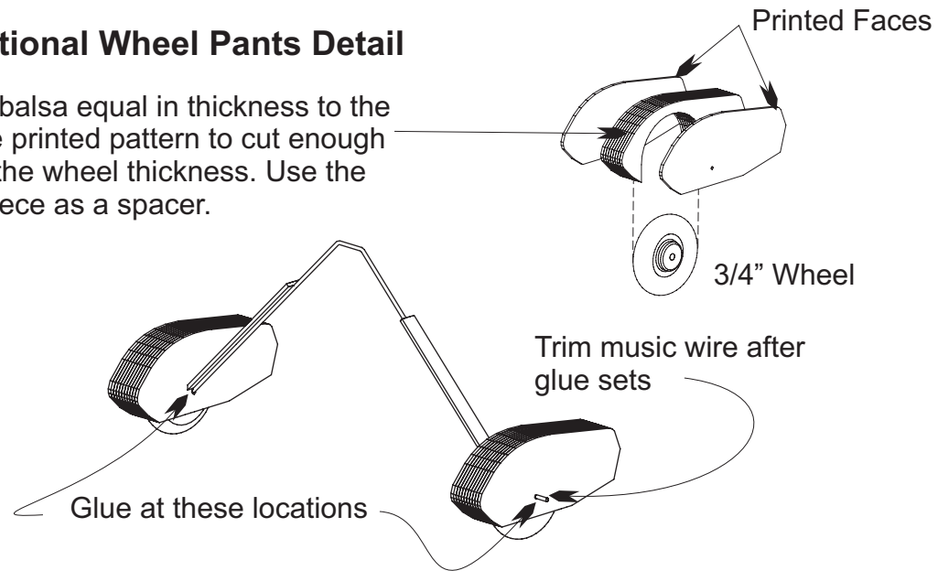
Cessna 182

Removable Nose Block Detail



Optional Wheel Pants Detail

Cut center from balsa equal in thickness to the wheel or use the printed pattern to cut enough pieces to equal the wheel thickness. Use the printed center piece as a spacer.

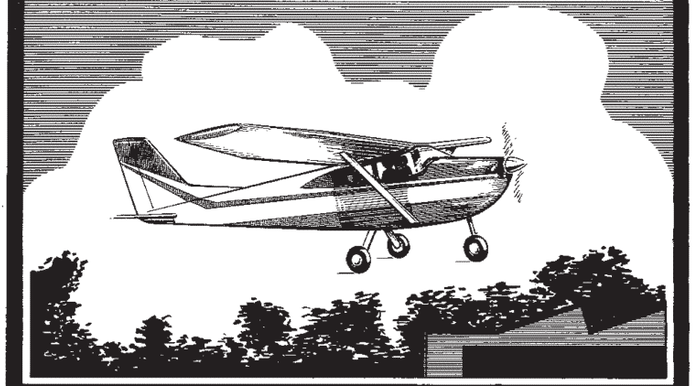


To attach the wheel pant/wheel assembly to the landing gear slide the wheel into the pant. Use a piece of scrap music wire and pass it through the wheel pant and wheel. Move the piece of music wire to the outside face until it is about halfway in the wheel. Slide the assembly over the gear axle. Let the scrap piece fall out as you push the assembly until it touches the gear leg. Use a glue other than Cya and place a spot glue between the inside face and the gear leg. Also place a spot on the outside face where the axle extends out of the pant. When the glue has fully set trim off the excess axle material.

KEIL KRAFT

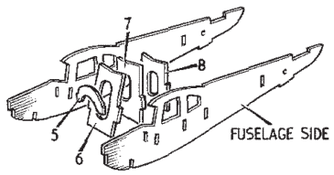
EEZEBILT

FLYING SCALE SERIES



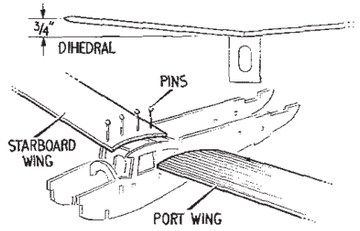
CESSNA SKYLANE

Building - -



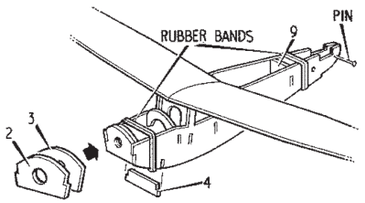
CEMENT FUSELAGE SIDES TO FORMERS 5, 6, 7 AND 8. MAKE SURE THAT ASSEMBLY IS SQUARE AND THAT SIDES AND FORMERS LINE UP CORRECTLY, THEN LEAVE TO SET

1



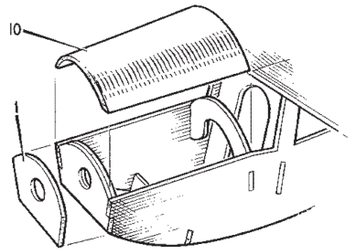
CEMENT WINGS IN POSITION, PINNING IN PLACE UNTIL DRY. CHECK THAT DIHEDRAL IS CORRECT - 3/4" UNDER EACH WING TIP AND THAT WING FITS SNUGLY IN PLACE

2



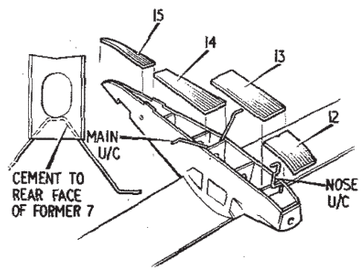
CEMENT FORMERS 2 AND 3 TOGETHER. JOIN FUSELAGE AT NOSE AND TAIL, FITTING FORM-ERS 2 3 4 & 9. HOLD TOGETHER WITH PINS OR RUBBER BANDS UNTIL SET.

3



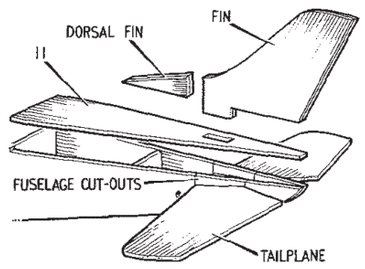
ADD FUSELAGE PART NO. 10 CHAMF-ERING EDGES OF 10 TO ENSURE A PERFECT FIT WITH FUSELAGE SIDES. NOW FIT FRONT FORMER, PART 1.

4



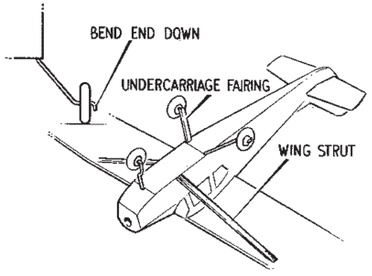
CEMENT UNDERCARRIAGE IN PLACE TO FORMERS 4 AND 7, AND REINFORCE WITH A SKIN OF CEMENT. ADD FUSELAGE BOTTOM - PARTS 12, 13, 14 AND 15

5



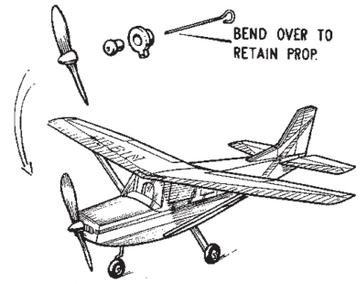
CEMENT TAILPLANE IN POSITION AND RE--PLACE FUSELAGE CUT-OUTS. ADD PART 11, CEMENT HALVES OF FIN AND DORSAL FIN TOGETHER AND CEMENT IN PLACE

6



FIT WHEELS TO UNDERCARRIAGE LEGS AND RETAIN BY BENDING DOWN END OF AXLES. CEMENT UNDERCARRIAGE FAIRINGS TO LEGS AND ADD WING STRUTS.

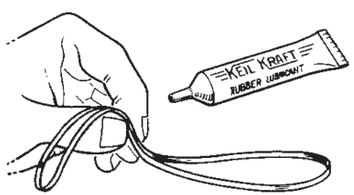
7



CHECK WINDSCREEN FOR FIT AND CEMENT CAREFULLY IN PLACE, PINNING IN POSITION WHILST DRYING. ASSEMBLE NOSE UNIT AND CHECK FOR FIT IN FUSELAGE.

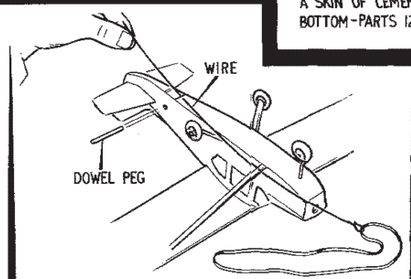
8

Flying - - -



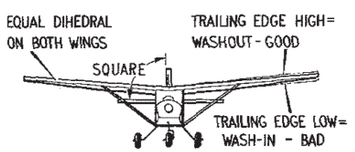
PREPARE RUBBER MOTOR FOR FLYING BY LUBRICATING WITH RUBBER LUBRICANT OR CASTOR OIL. CAREFULLY RUN IN, MOTOR SHOULD TAKE APPROX: 200 - 250 TURNS.

1



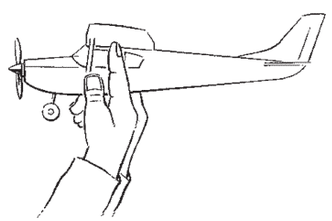
INSTALL RUBBER MOTOR BY MEANS OF A PIECE OF WIRE OR THREAD INSERTED FROM THE TAIL END OF FUSELAGE. SECURE AT REAR END WITH 1/8" DOWEL PEG.

2



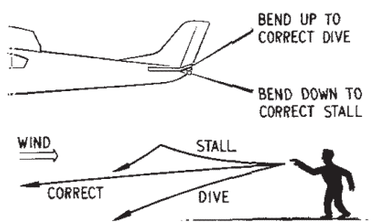
CHECK THAT ALL SURFACES LINE UP TRUE WHEN VIEWED FROM THE FRONT OR FROM ABOVE. WINGS SHOULD BE STEAMED TO INCORPORATE SLIGHT WASHOUT AT TIPS.

3



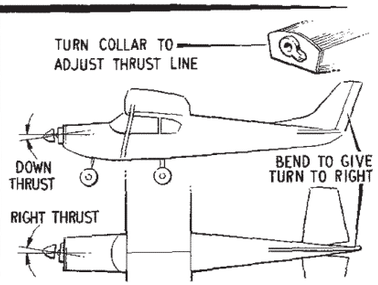
MODEL SHOULD BALANCE AT ABOUT 40% OF WING CHORD AS SHOWN. PLASTICINE MAY BE ADDED TO NOSE OR TAIL TO CORRECT IF NECESSARY.

4



TEST FOR GLIDE ON A CALM DAY. LAUNCH GENTLY AND OBSERVE FLIGHT PATH. CORRECT FAULTS BY BENDING ELEVATORS OR BY ADDING WEIGHT IF REQUIRED.

5

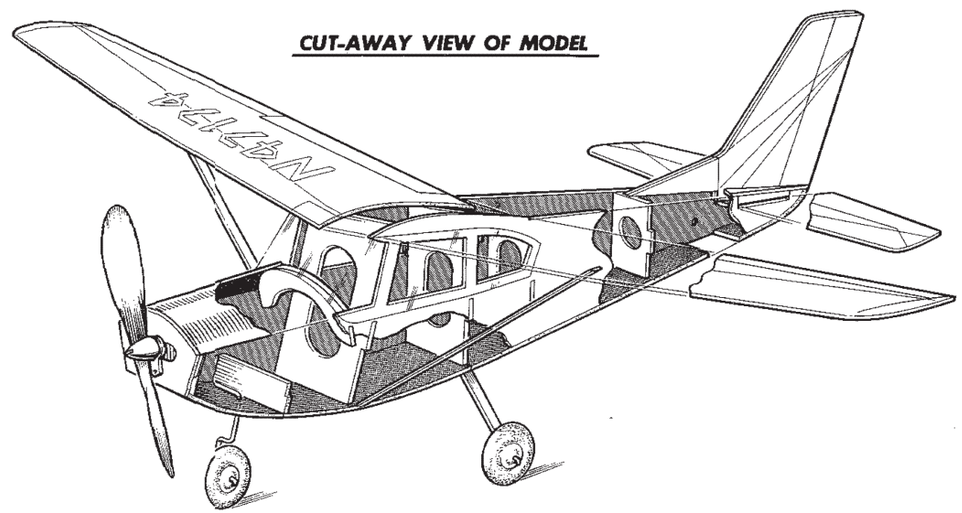


COMMENCE FLYING UNDER POWER WITH 50 TURNS ON MOTOR. ADJUST THRUST LINE TO PREVENT STALLING. CEMENT COLLAR IN PLACE WHEN BEST SETTING IS FOUND.

6

DESIGNED & DRAWN BY BRIAN LEWIS.

CUT-AWAY VIEW OF MODEL



KEILKRAFT

EEZEBILT

cessna SKYLANE

flying model

MADE IN ENGLAND

To complete the model as illustrated it will be necessary to purchase further items