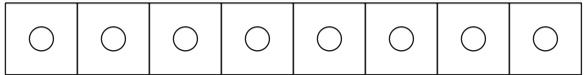
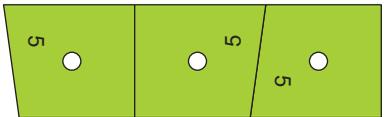
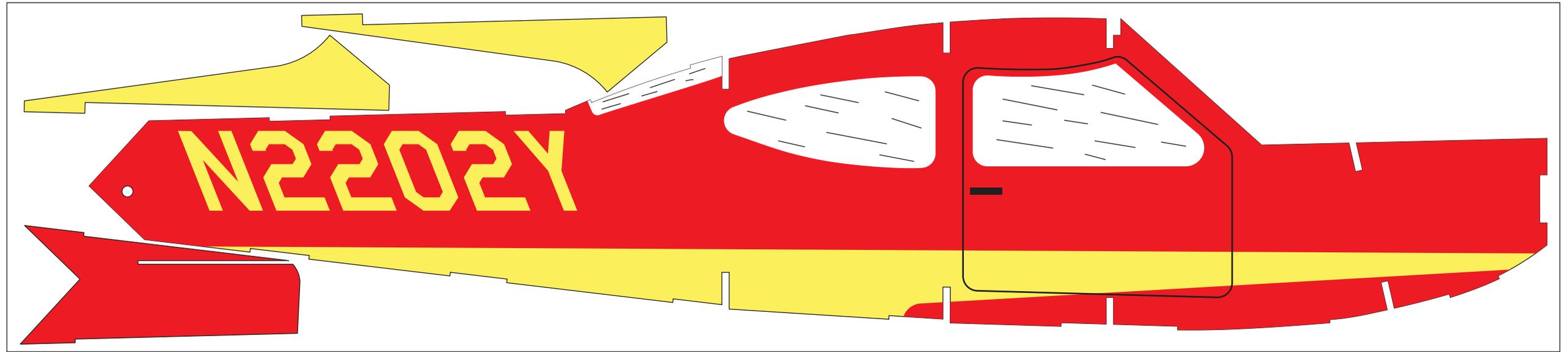


Main LG Covers

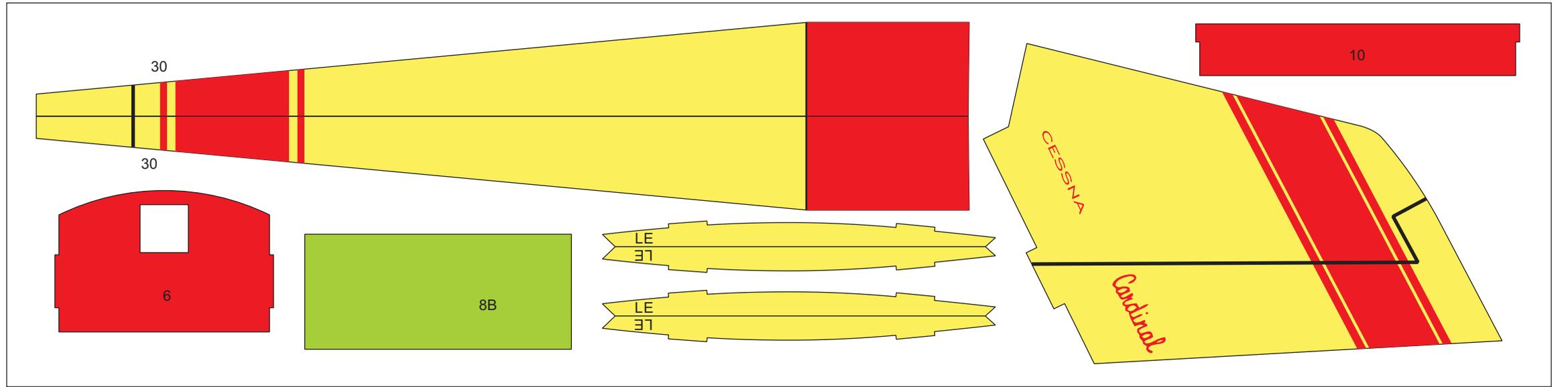


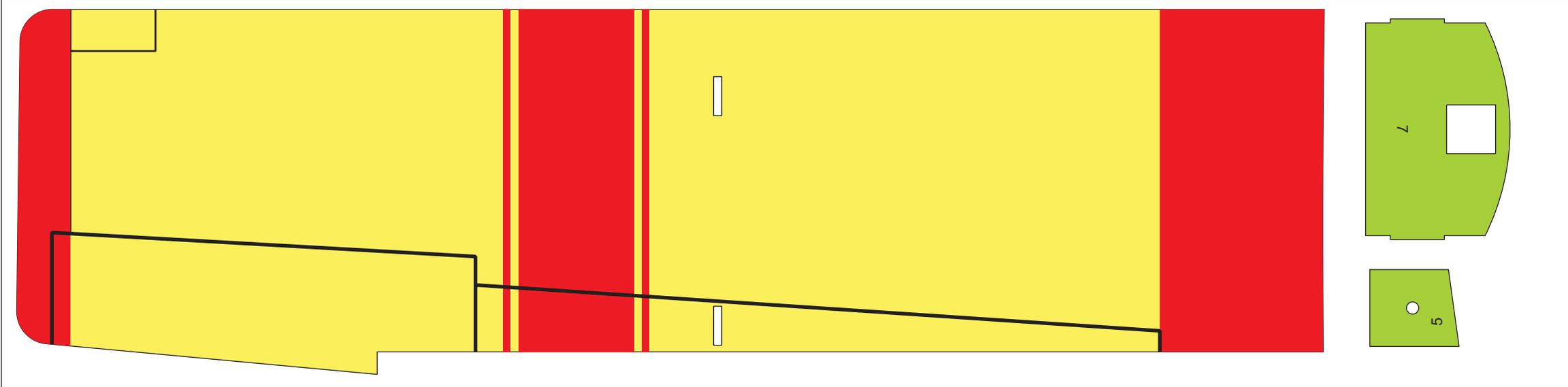
Nose Block Keys

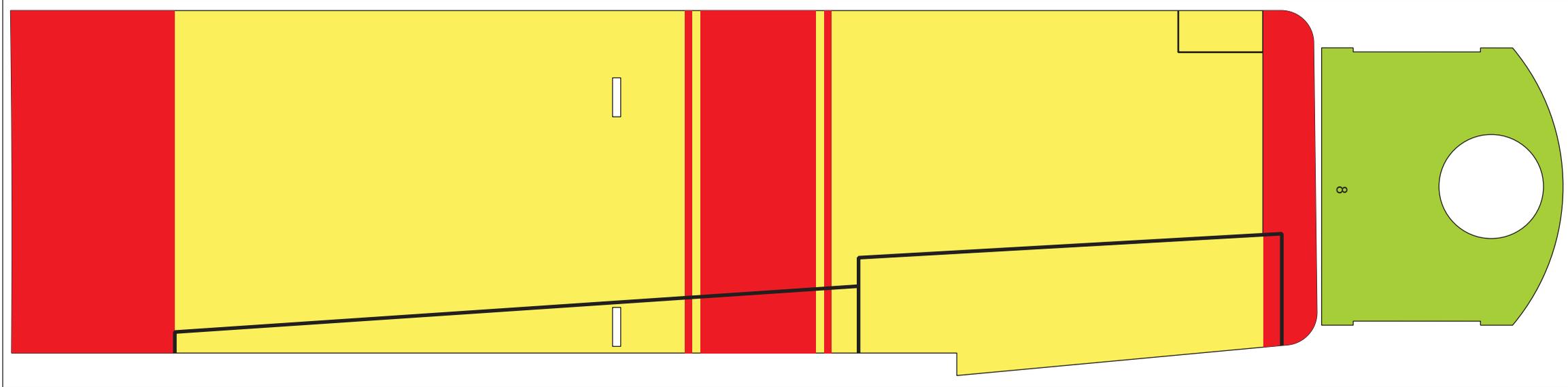


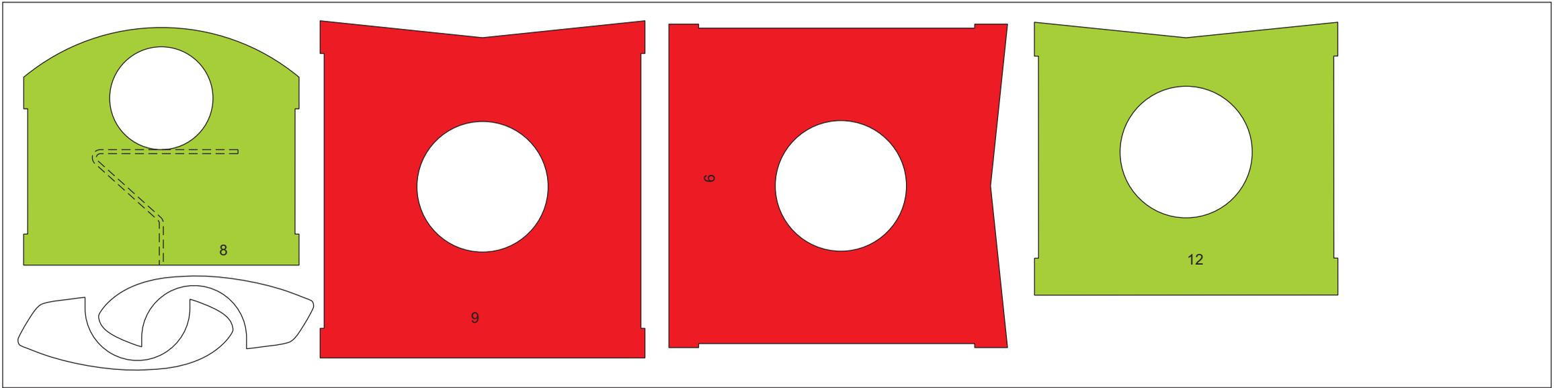


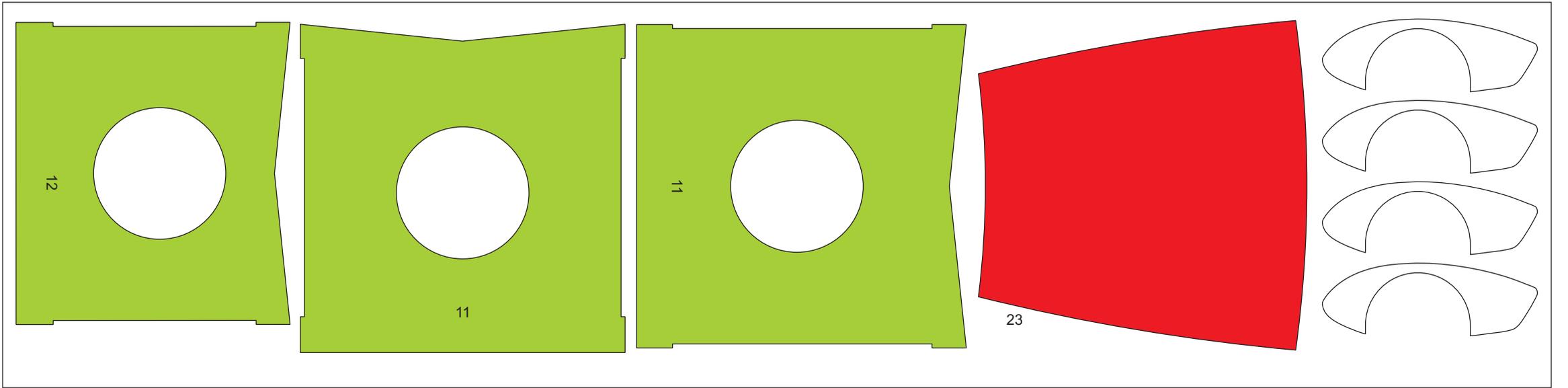


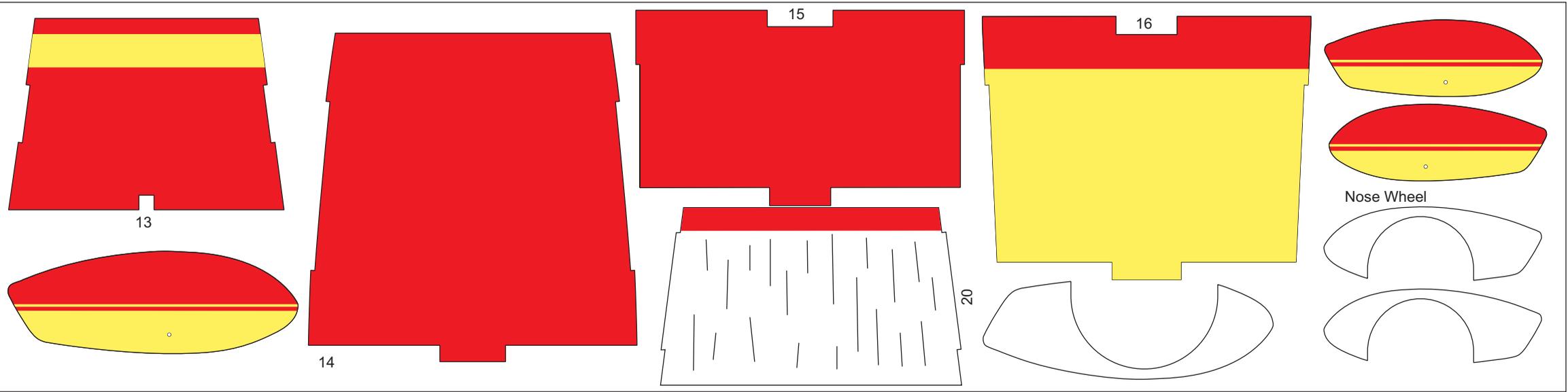


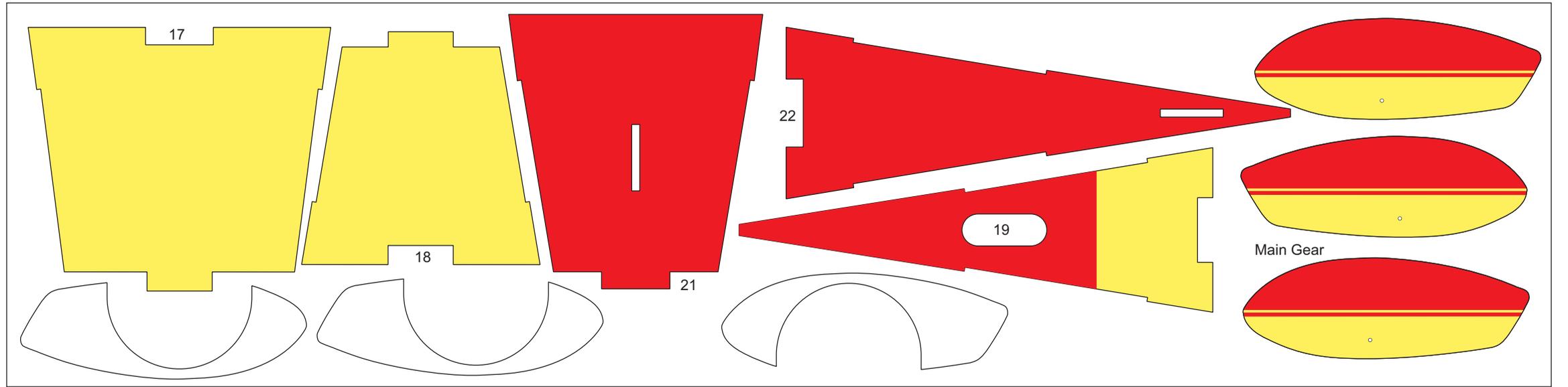


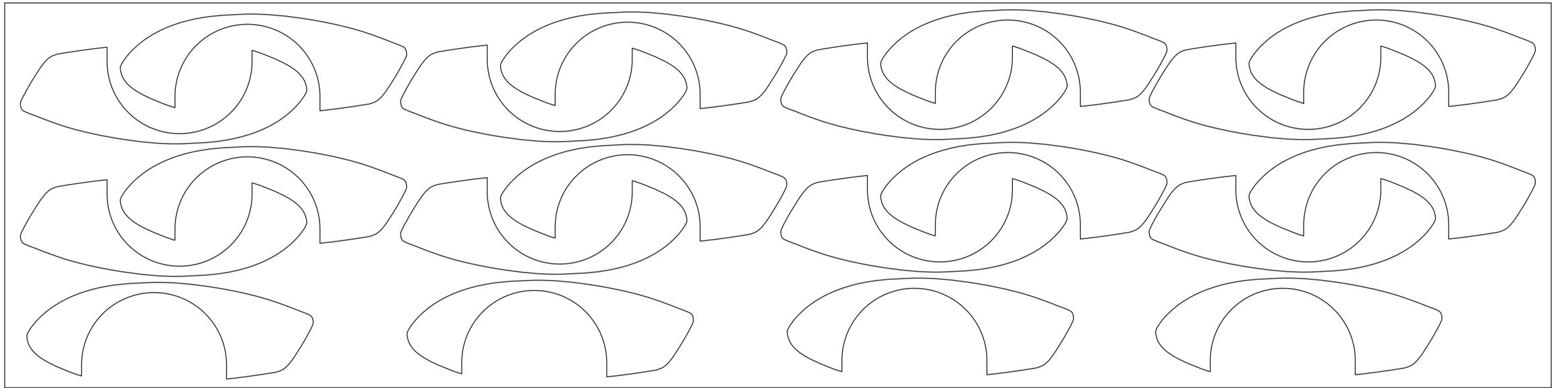


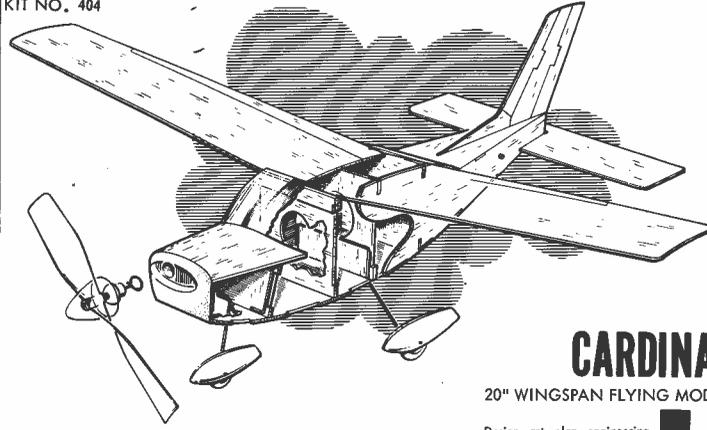










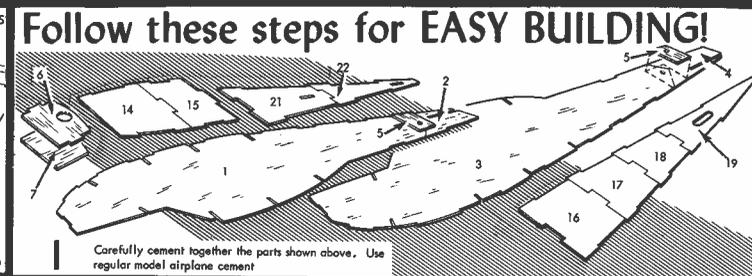
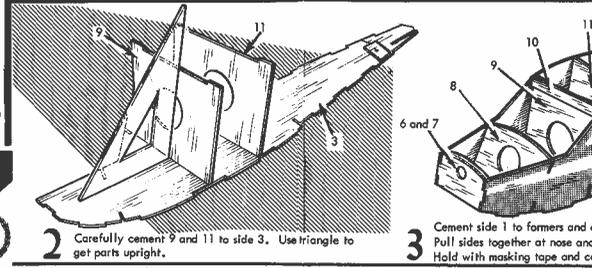
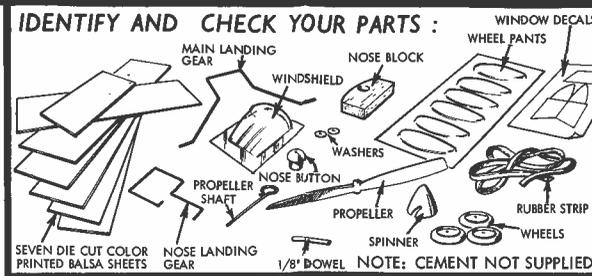


CARDINAL

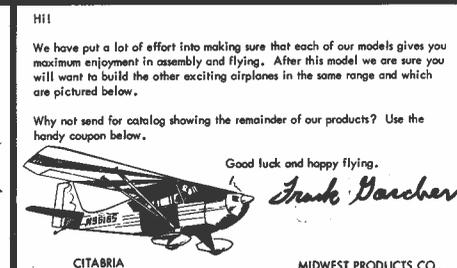
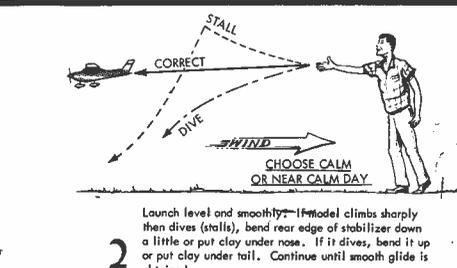
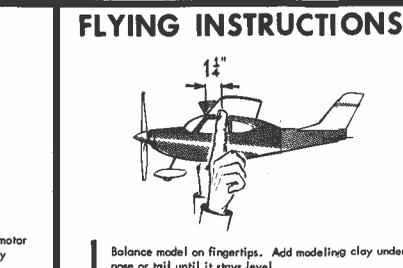
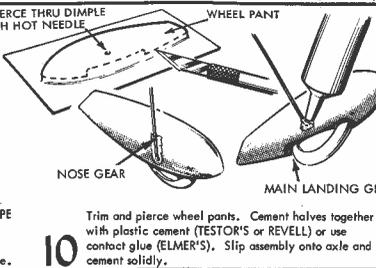
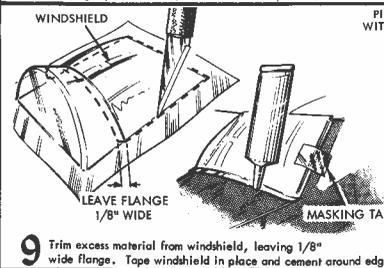
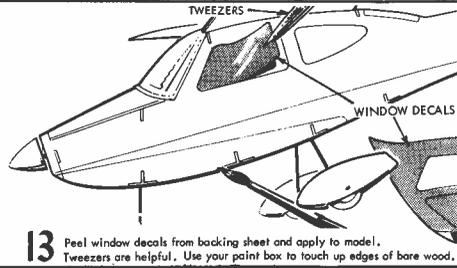
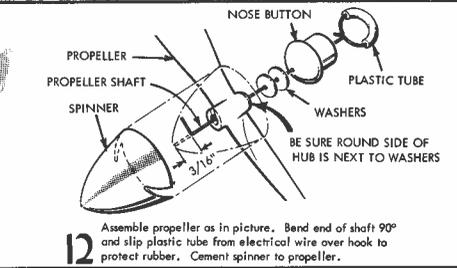
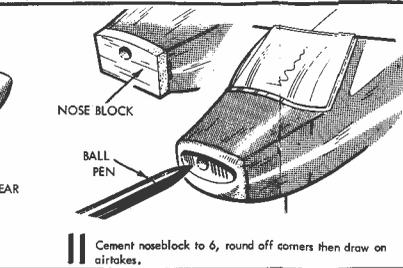
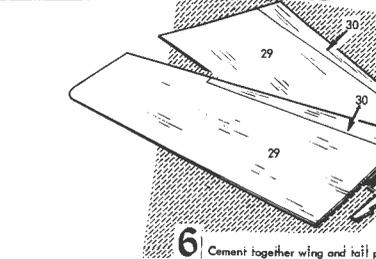
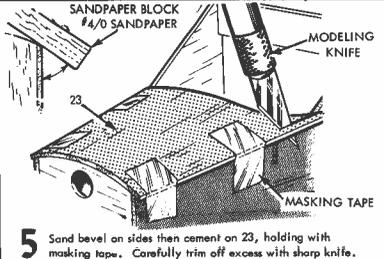
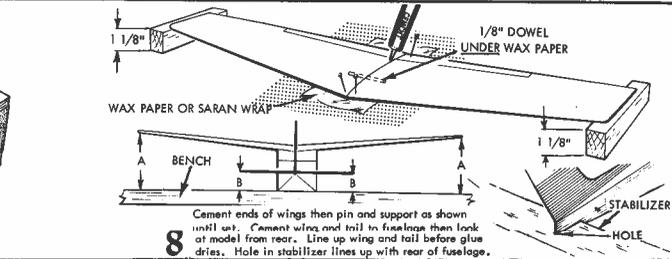
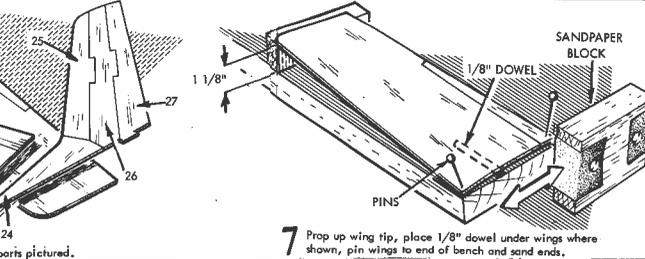
20" WINGSPAN FLYING MODEL

Design, art, plan, engineering and original model by -
Jim Neuman.

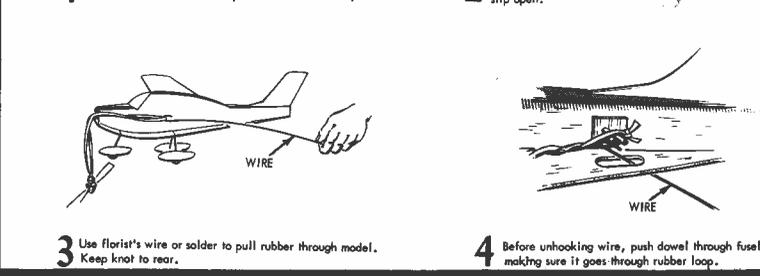
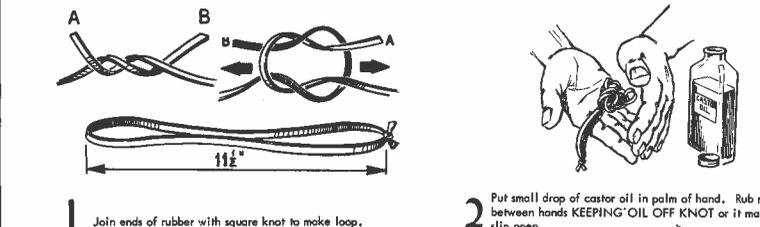
MIDWEST PRODUCTS CO. HOBART, IND.



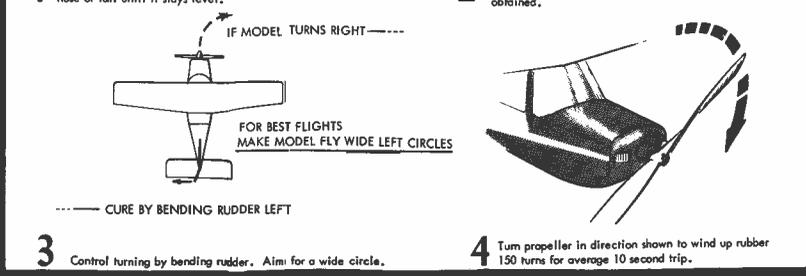
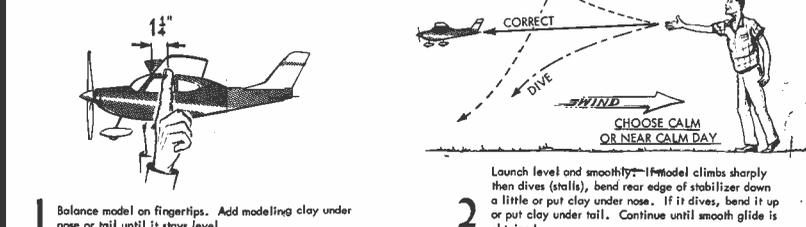
Carefully cement together the parts shown above. Use regular model airplane cement.



PREPARING THE RUBBER MOTOR



FLYING INSTRUCTIONS



H11

We have put a lot of effort into making sure that each of our models gives you maximum enjoyment in assembly and flying. After this model we are sure you will want to build the other exciting airplanes in the same range and which are pictured below.

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Good luck and happy flying.

Frank Gardner

CITABRIA
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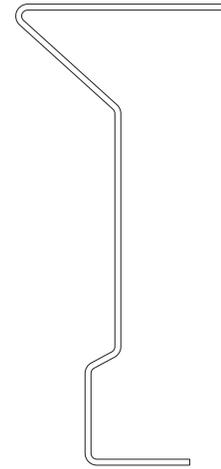
BIRD-DOG
PIPER CUB

Please send me your illustrated catalog of models and accessories. I enclose 25¢ to cover cost.

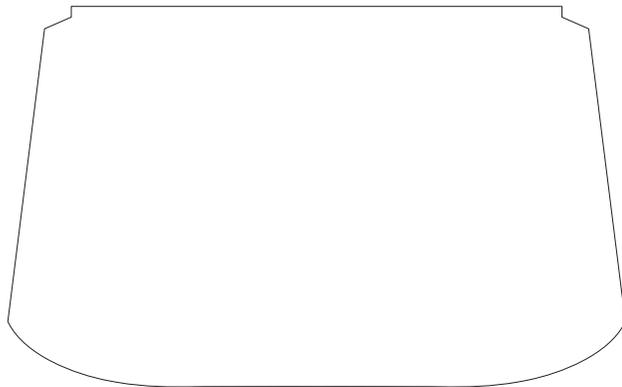
Name _____ Address _____
City _____ State _____ Zip _____



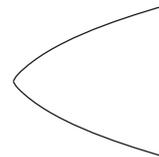
Main Landing Gear Pattern - Make from .032 music wire. Use 1" Wheels



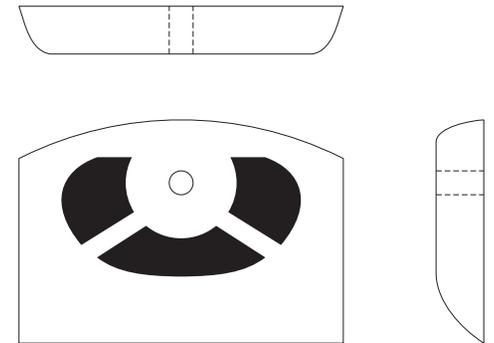
Nose Wheel Pattern - Make from .032 music wire. Use 3/4" wheel



Windshield Pattern



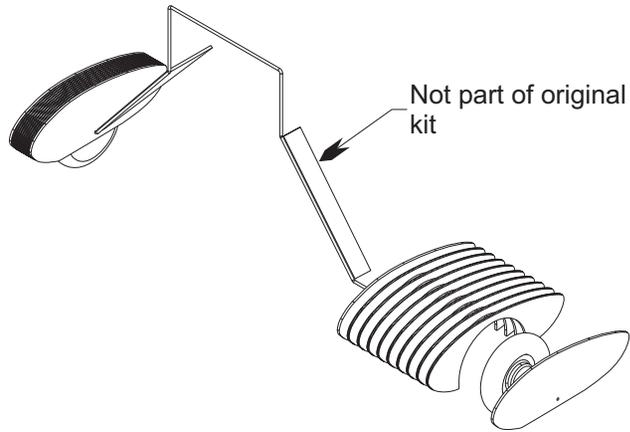
Spinner



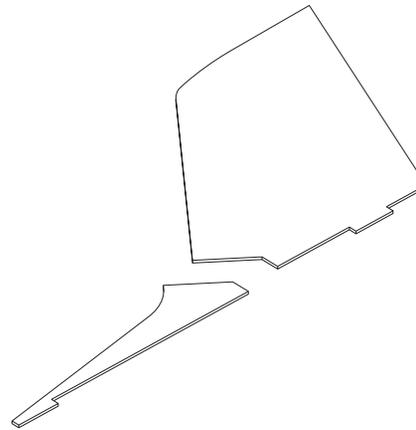
Nose Block - Make from 1/4" balsa

Midwest Cessna Cardinal

Modifications to Original

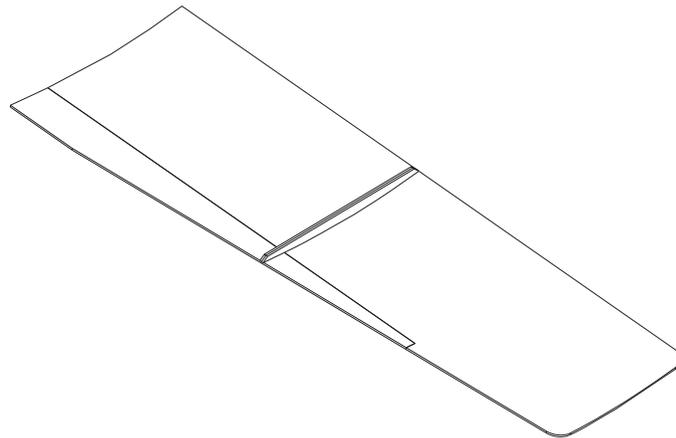


The original kit used vacuum formed wheel pants. For the reproduction the wheel pants are made from laminated balsa pieces. The shape is the same as the kit. Colored faces are provided. If sanding the wheel pants to a streamlined shape is desired, they will have to be painted. Use enough laminations to accommodate the thickness of your wheels.

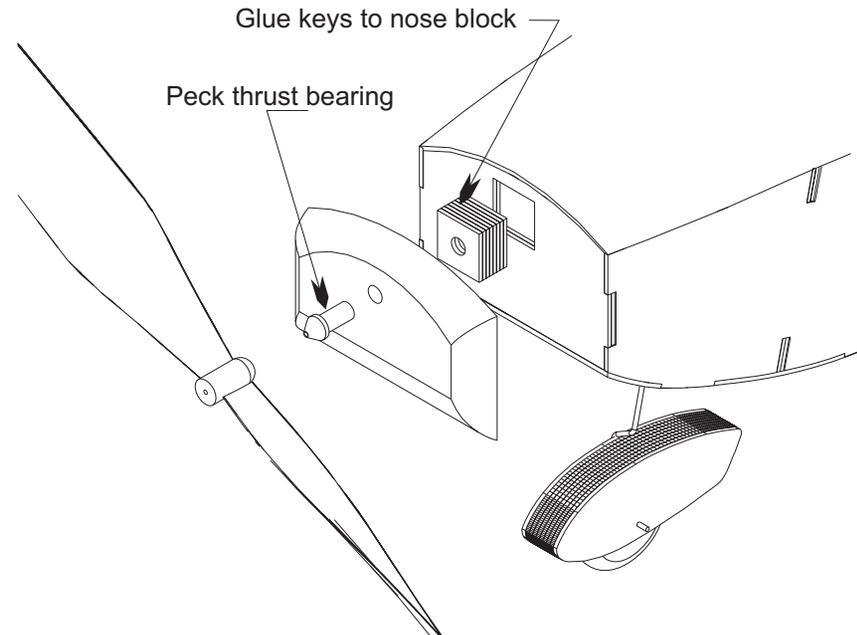


Note: The fin/rudder is one piece rather than three pieces as shown on the plan. The dorsal fin is the same as the kit layout.

The original kit came with a vacuum formed windshield. This allowed the curve of the Cardinal windshield to be modeled. To simplify building a reproduction model, a simple windshield made from sheet plastic is shown.



The original kit did not use ribs in the wing panels to hold the camber. The only camber was formed at the wing root and held by the top of the fuselage sides. Camber is important to the span wise stiffness of the wing, especially when made from 1/32" balsa. For that reason ribs were added to the wing panels.



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.

Midwest Cessna Cardinal



CESSNA CARDINAL

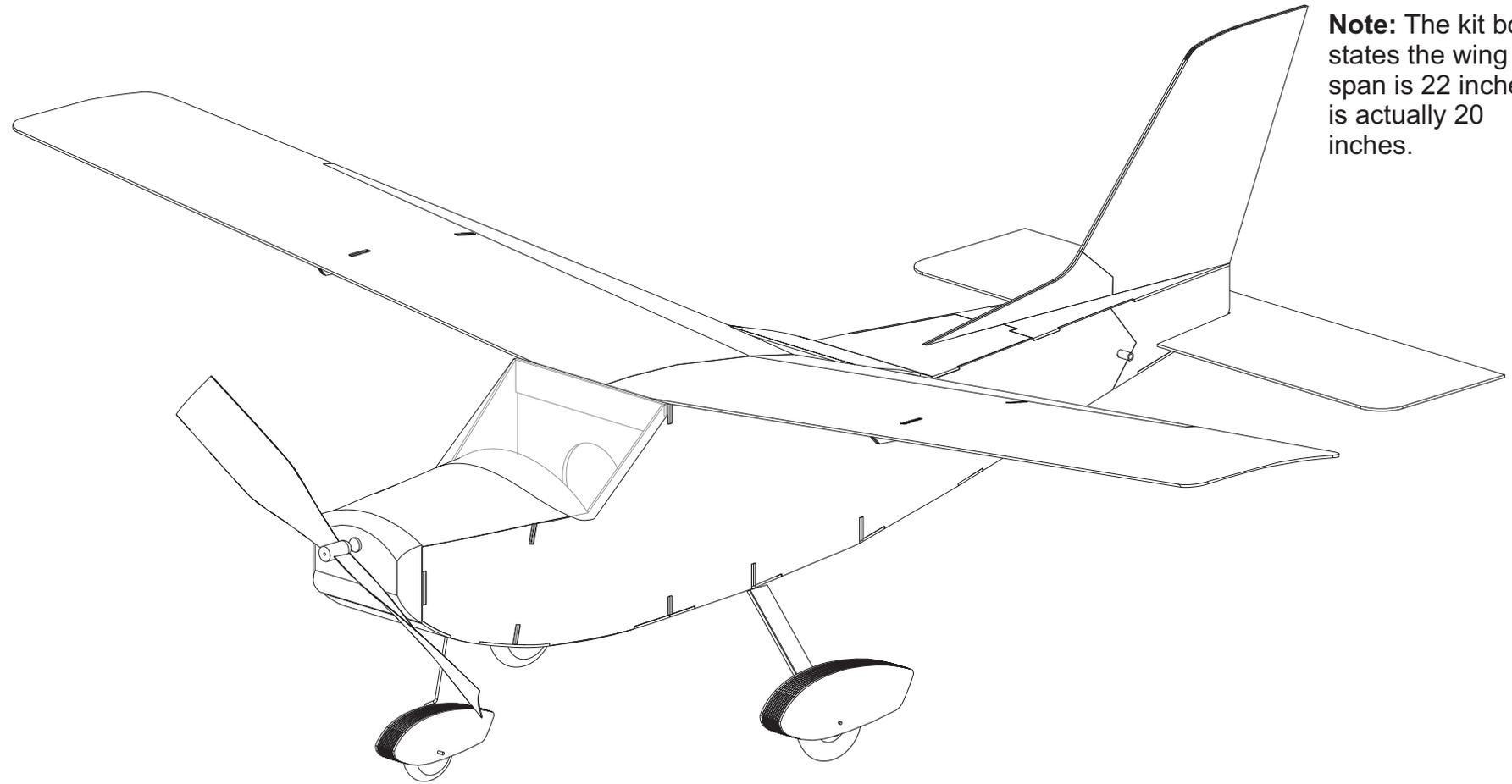
RUBBER BAND POWERED HIGH FLYER



MIDWEST PRODUCTS CO.



22 Wingspan
Formed wire landing gear
Propeller, wheels
and Decals included
PRINTED & DIE CUT WOOD



Note: The kit box states the wing span is 22 inches. It is actually 20 inches.