

EDMONDS ECS

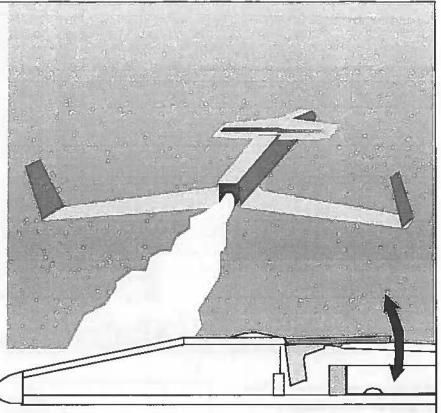
You'll feel special when you build and fly your Ecee. If you're a young modeler, why not go get your parents so they can share the special feeling with you? Ecee is a type of aircraft called a "rocket glider" that goes straight up under rocket power, then flies back like a jet plane coming in to land, with the rocket motor still inside. People used to think rocket gliders were the hardest type of model to design and build, but since then people have come up with ways to make it easy. On this model I use a device that I call the Edmonds Canard. It is designed to let the model produce lift while it is gliding, but to keep it from producing lift while it is headed upward under rocket thrust. A canard looks like a little wing near the front of the model. While the model is going up the hinged elevator on the canard is left free to move. Then the ejection charge from the motor pushes a little plug forward to lock the elevators down so the model can produce lift and glide. It is very important that the elevator be free to move easily during the rocket powered flight, so I want you to be very careful when you make the hinge.

One thing that makes this kit fun to build is the new technology of laser cutting. Your balsa wood parts were actually made by firing a laser through the sheets of wood. The drawings for the pieces were created on a Macintosh computer and sent to the laser cutter directly through electronic mail. I wanted to give you a real "hi tech" experience with this model! I'm sure you'll have a great time!

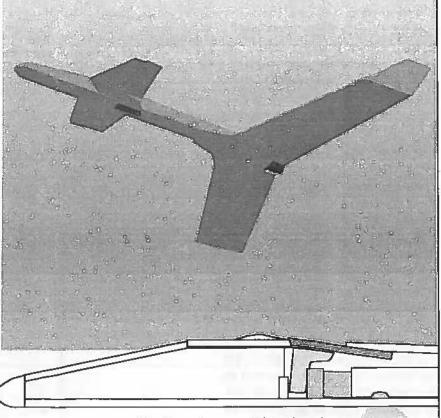


EDMONDS AEROSPACE

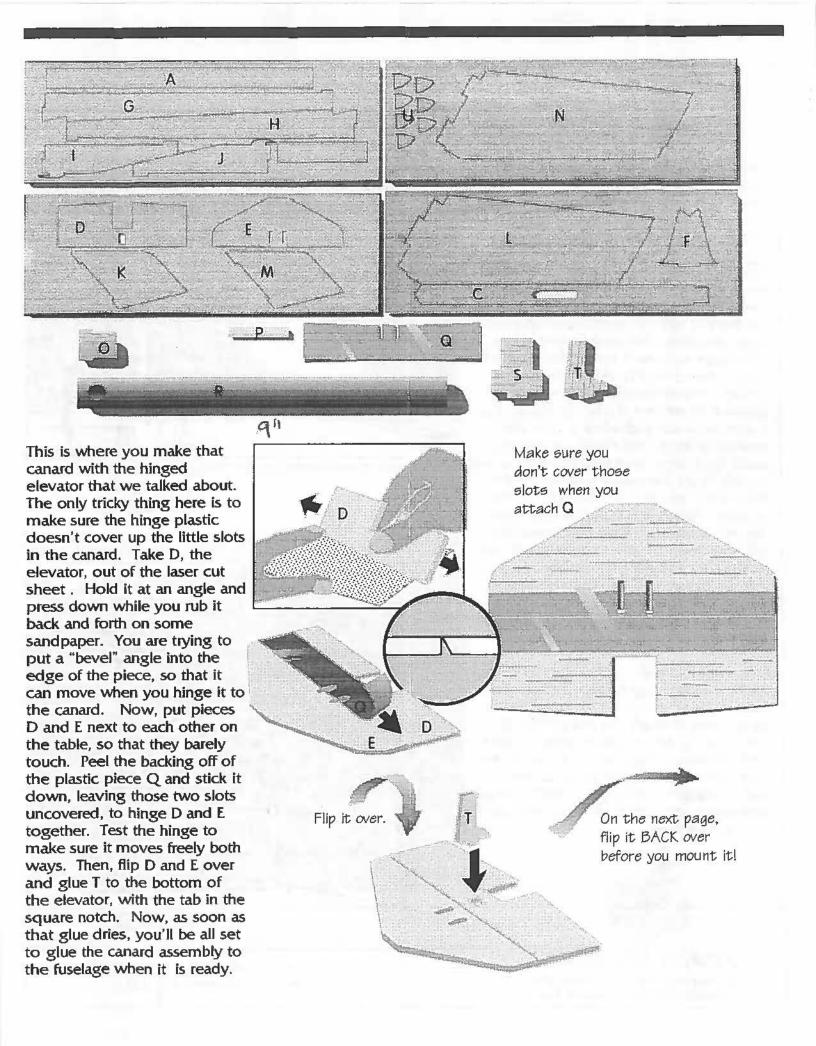
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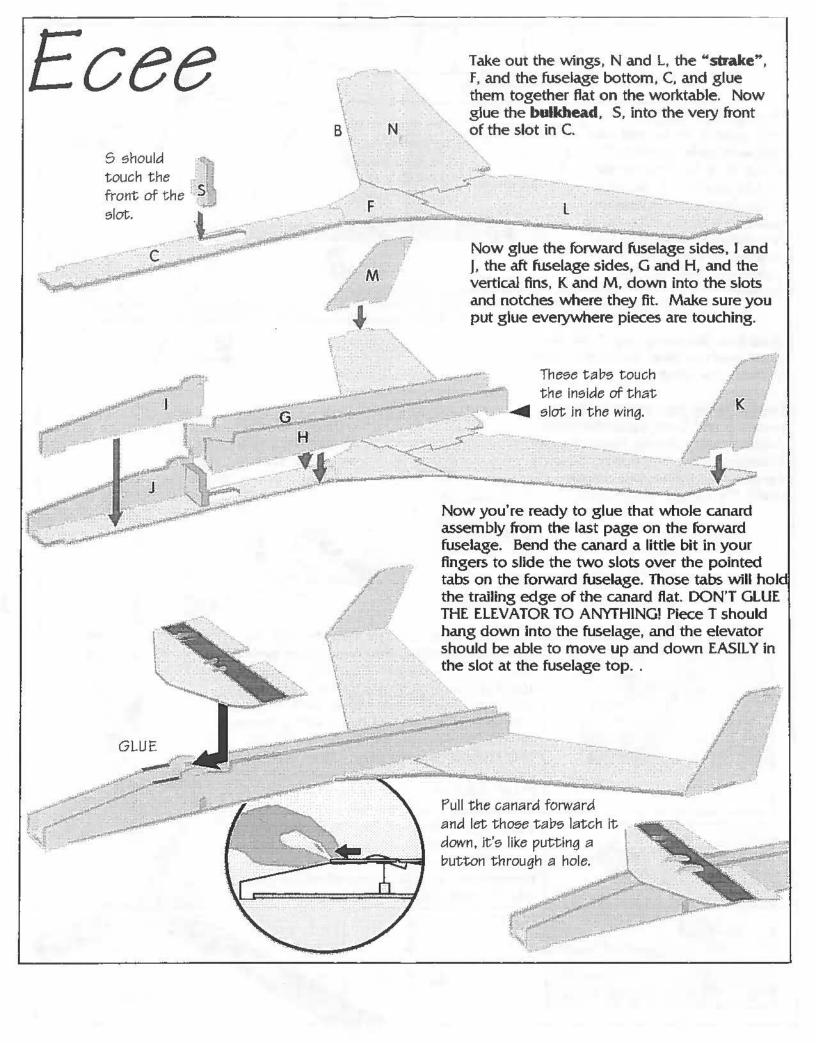


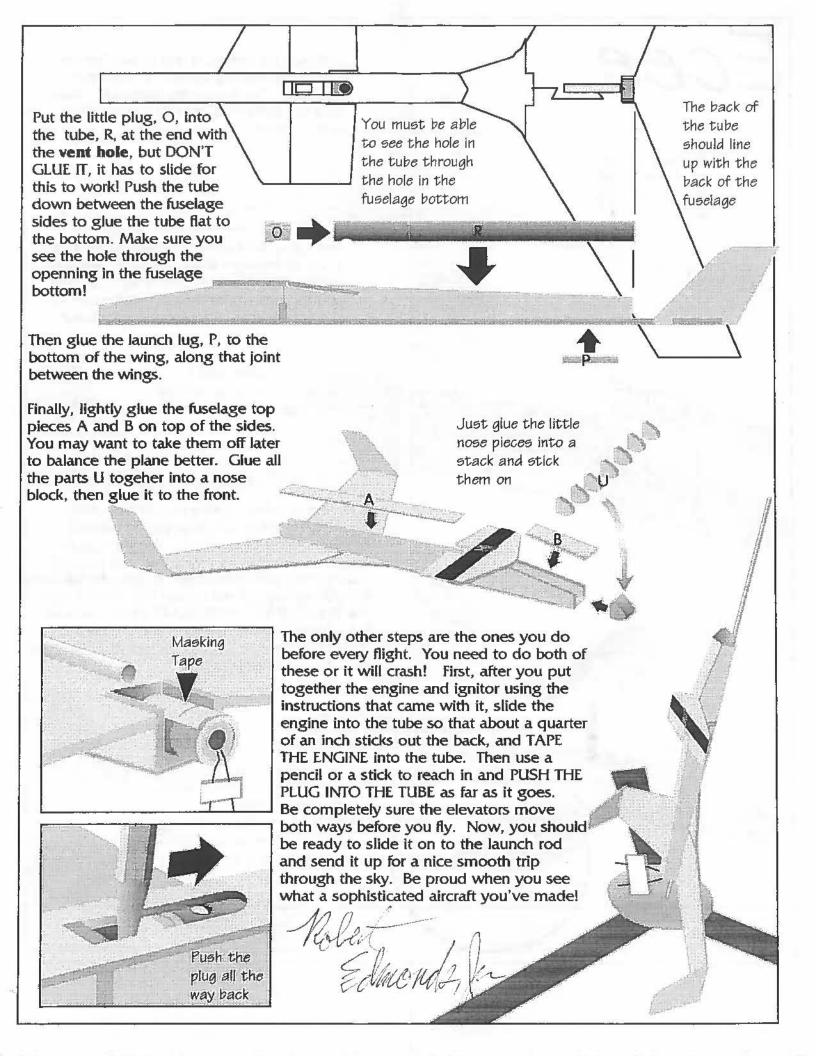
Elevator is free to move under rocket power

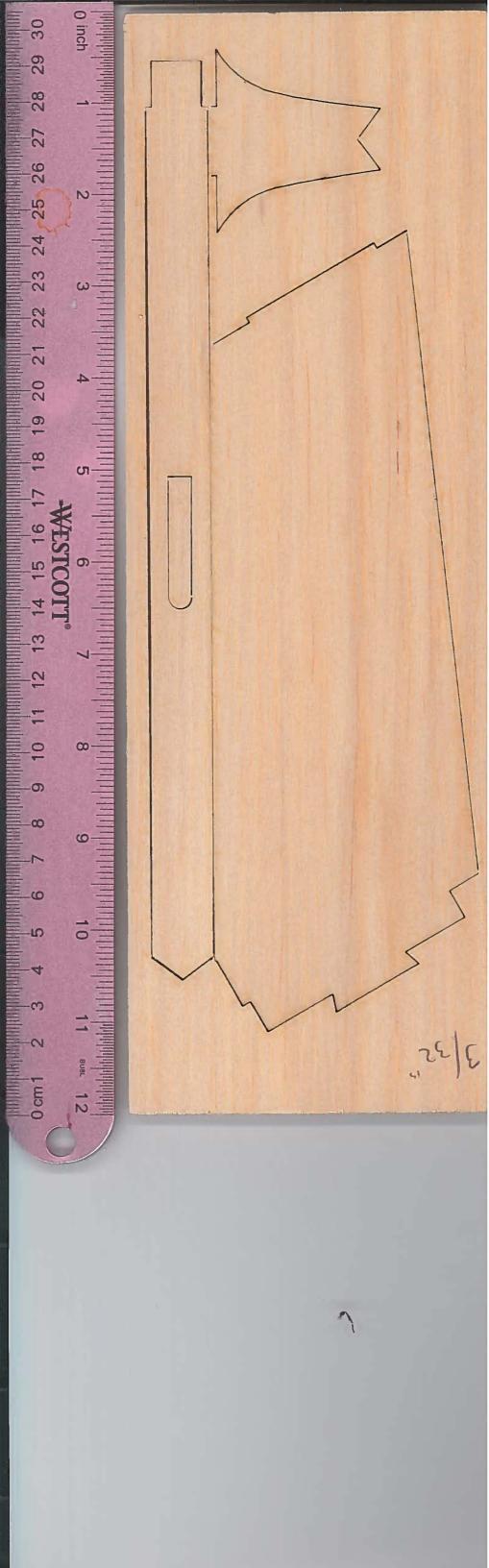


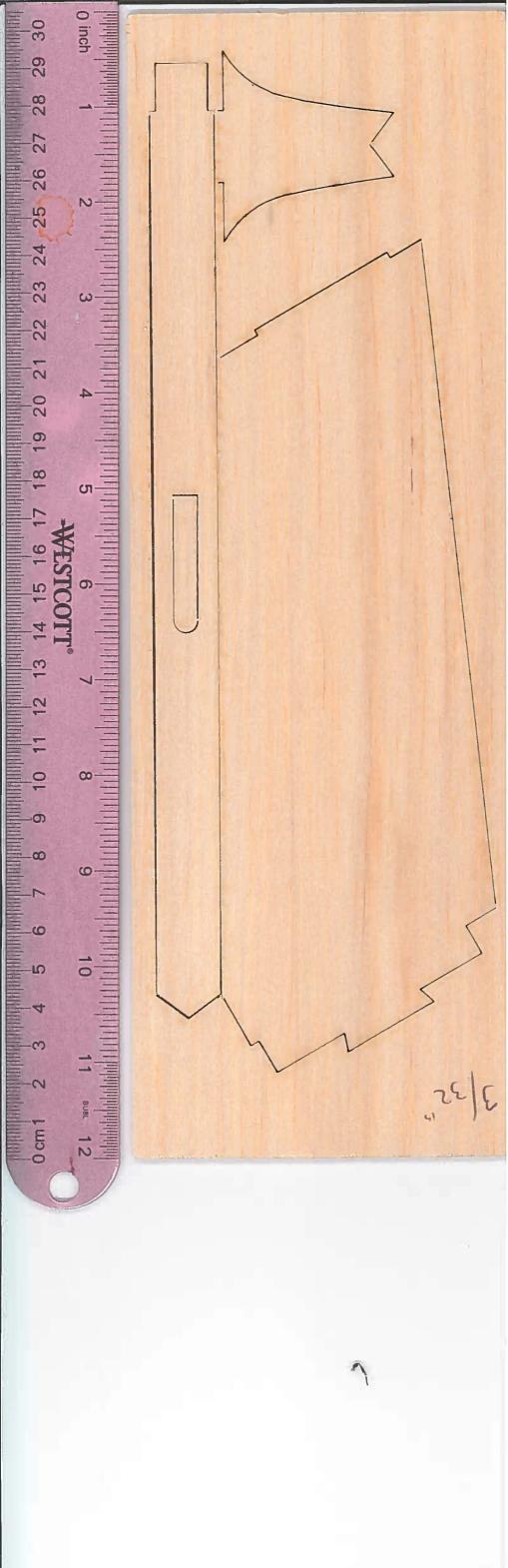
Ejection charge slides the plug to lock the elevator down for glide.

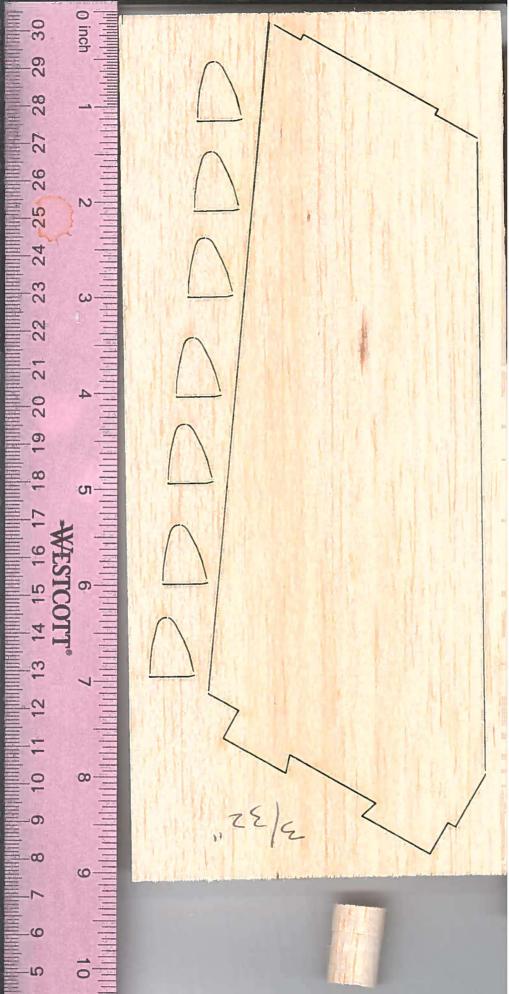












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