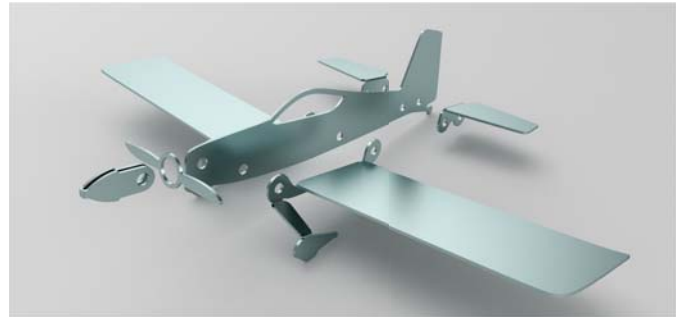


Assembly Tips



These pages include information and tips to help you assemble your RivKit.

RivKits are made of 3033 Aluminum Alloy, which is a highly workable and formable. This alloy is easy to bend. Actual aircraft use other aluminum alloys which are less formable and stronger.

It is helpful to understand "material fatigue." If you bend the aluminum back and forth more than once it may crack. This can be helpful when removing parts from the factory tree and detrimental when bending parts during assembly.

The holes are 3/32" diameter for 3/32 dia. rivets and Cleco Clamps (silver).

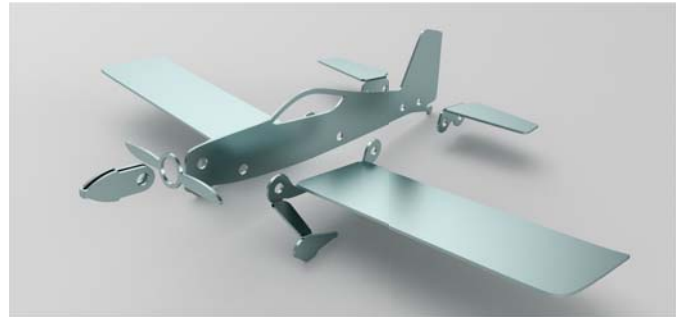


Use a flush cutter to cleanly cut the parts from the factory tree.



Use sandpaper to remove burs from the part edges.

Assembly Tips



Use a vise or pliers to bend the wings and horizontal stabilizers.

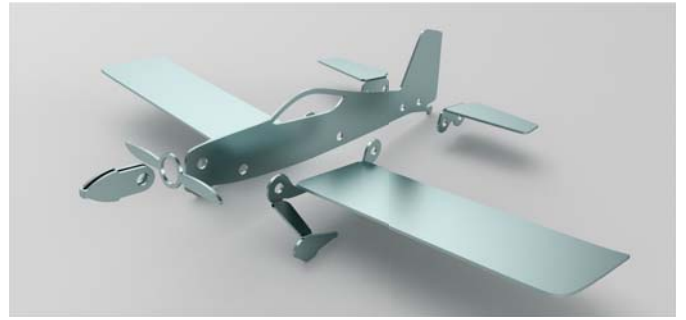
Note, there are two of each and need to be bent in opposite directions from one another.

*Also note the small bend lines and bend along them.

Only bend the parts about 45 degrees initially. This helps allow room when riveting.

Parts can be bent more when all the rivets are in to give the wings dihedral, make the horizontal stabilizer level and the gear aligned to balance the plane level.





Assembly Tips

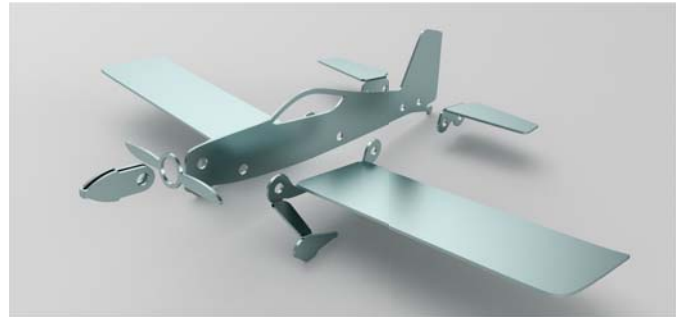


Pliers may be needed to hold parts tight while riveting.

Use a Cleco and Cleco Pliers to hold the wings and horizontal stabilizers to the fuselage while riveting the other hole.



Pushing down on a rivet gun handle is usually easier for smaller hands.



Assembly Tips

Bend the spinner over another part like the wing, to provide a gap for later assembly.

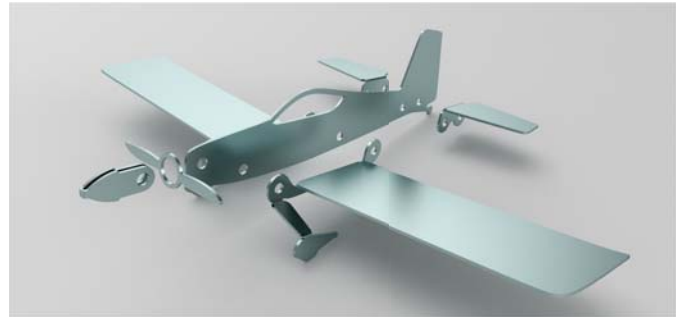


Align the holes of the spinner with a rivet.

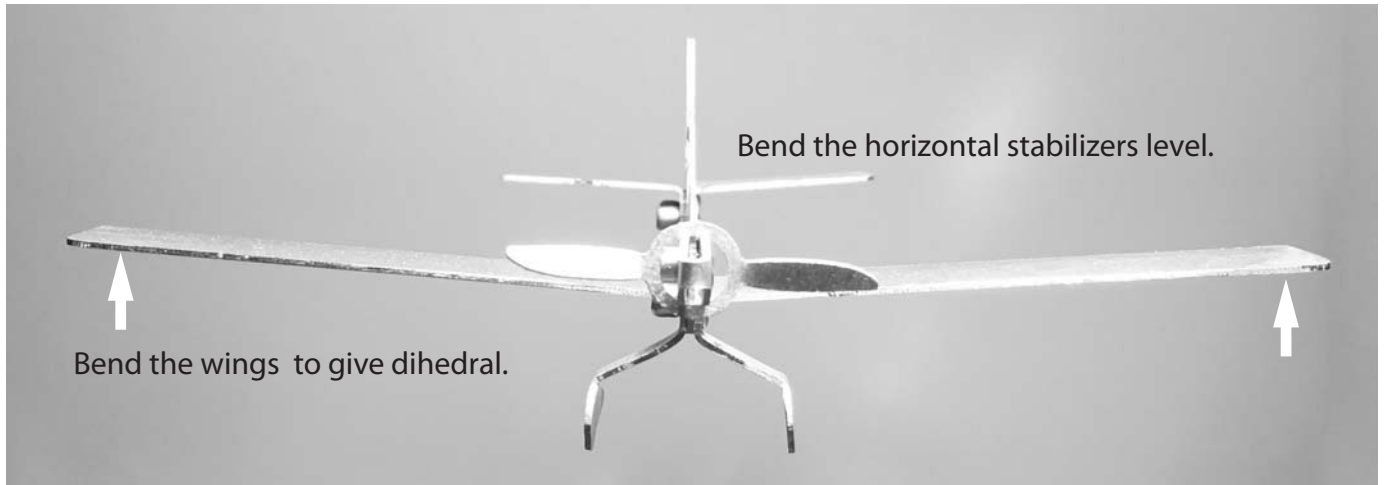


Place the propeller over the spinner and the spinner over the fuselage.
Rivet the spinner to the fuselage with one rivet, and rotate the spinner to align with the fuselage.





Assembly Tips



Bend the gear to balance the plane level.

Paint as desired.

