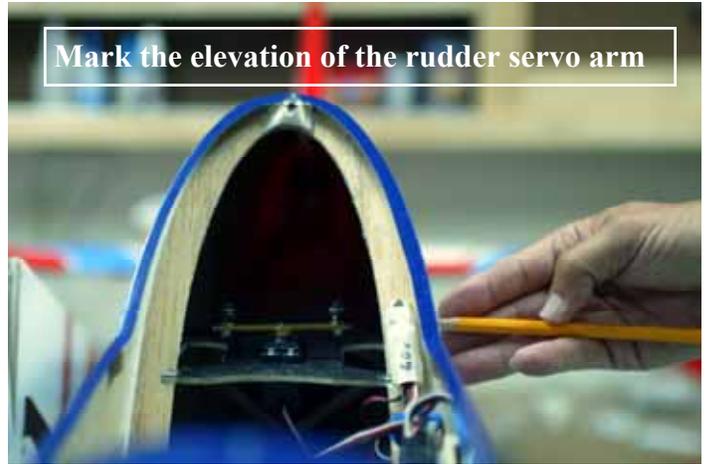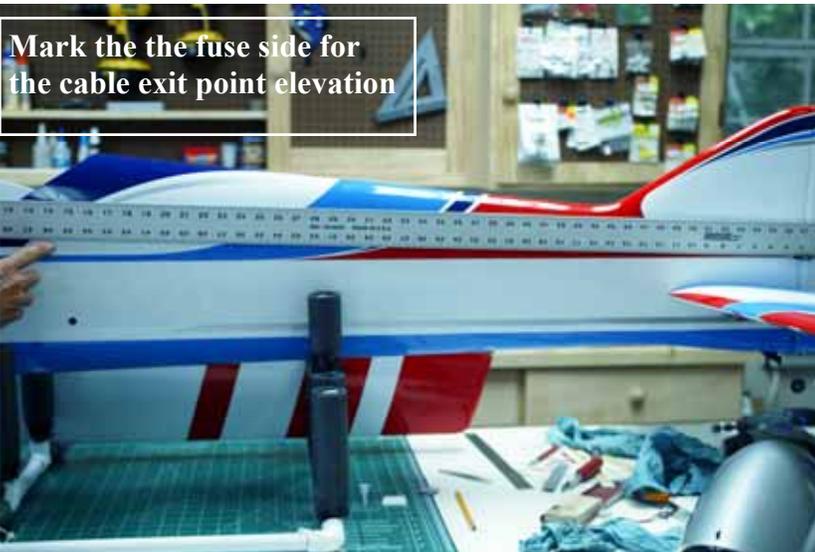# Fuselage Exit Point for Rudder Pull-Pull Cable

Here's a quick and easy way to find the exit point for a pull-pull rudder cable on the fuselage side. All it takes is one simple tool that will work on all your model builds if you use the same servo control arms and the same distance between connection points on the rudder control horn.

For this to work, as I just said there are two points that need to have the same measurement. The distance between the cables connections on each side of the rudder and the distance between the cable connection points on the servo control arm need to be the same. The large dubro servo arm has outside holes 2 inches apart so the holes on the control horn on the rudder need to be 2 inches from hole to hole if you use that servo arm.
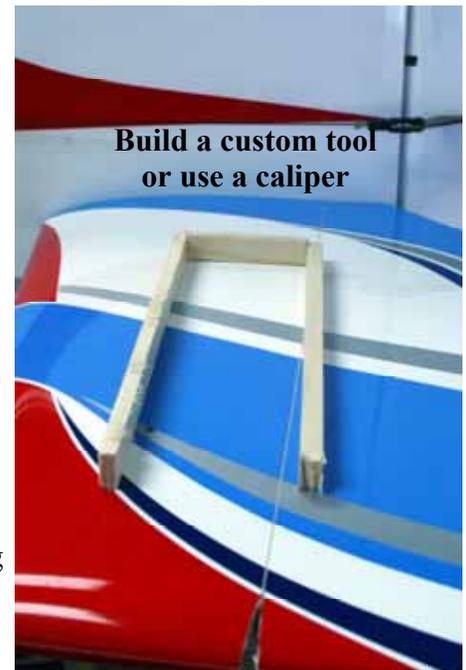

Mark the elevation of the rudder servo arm

Mark the the fuse side for the cable exit point elevation

Start by temporarily installing the rudder with the control horn installed. Install the rudder servo with its control arm. Now you can mark a line on the outside of the fuse at the height of the servo arm (see photo 1). Just visually sight it and make the mark.

Now, lay a long rigid straight edge on top of the control horn and through the line you just made on the fuse for the servo elevation. Mark the fuse along the straight edge near the rudder where the cable will exit. This line sets the elevation for the exit holes.

Build a custom tool or use a caliper

Build a U-shaped tool that will fit over the fuse (or use a caliper) that has legs the width of the holes on the servo arm and the rudder control horn. If you are using a servo arm with 2" for the holes, the inside dimension of the tool is 2". Using that tool, slide it over the rear fuse and mark where it just touches the fuse and the line that you drew using the straight edge. That mark is the exit point for the cable. A dremel with a cutting wheel will cut nice exit hole about 3/4" each side of the mark. There you have it, a perfect exit.

The final mark for the exit point.