

When gluing in the motor mounts and doublers always use epoxy glue! HOBBY POXY FORMULA 2 seems to be the best in my opinion. I forgot to mention that the doubler thickness in this application is 1/8". You can see that the total of 1" thickness for the fuselage and/or nacelle has been achieved! You can continue the 1" thickness down the fuselage and/or nacelle by adding on 1/8" balsa sheet to the plank just behind the plywood doublers on each side. The current rules also allow you to include an additional 1/4" on each side in the engine area to simulate a cowling effect. That will make things look better at least in this area!

Now let's talk about: "HIDING THE PUSHROD IN THE FUSELAGE, BOOM ETC." This is relatively simple to do but will require you to mount and line up the bellcrank in the wing with the fuselage, boom etc. Again, the 1" maximum fuselage and/or nacelle thickness is a real asset here! Although it's a little more challenging to hide the pushrod in a solid balsa fuselage/boom, the best way is to build up the fuselage/boom with formers. You can also cut out sections of the solid area leaving in braces that can be glued to with sheet sides after the pushrod is installed. Standard size pushrod I find best to work with in this confined area is 3/32". Obviously, the pushrod is not going to bow in such a limited space! If you have a V-TAIL airplane, such as the B-26, this size also works well with the two control horns needed!

If you choose to go the solid material route for a fuselage/boom, then you may want to consider dividing the fuselage/boom into two sections right where the pushrod will go and channel out the sections for the rod. A more daring way is to do what I did with the B-26. I got a three foot long by 3/8" drill bit and bored through from the tail cone up to the area of the bellcrank in the wing! I don't recommend doing it this way unless you've got nerves of steel!

I have given you just two methods to improve the appearance of the Profile Scale Model. There are other areas to explore and improve upon in this type of Scale airplane. I am sure many of you reading this article have your ideas about these improvements and I can insure you that we would all like to hear what your opinions are in this area of Scale!

Feel free to contact me at any time on this subject either by writing or phoning me. George Gaydos Jr. 8 Dapp Court Elmwood Park, N.J. 07407 Area code (201) 791-7442. In closing, please continue to support the Profile Scale event as many of you have over the last ten years!

