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## FT Bloody Wonder - Scratch Build

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This Flite Test scratch build airplane was inspired by [Bloody Mick's FUNBAT](#) and the [Sig Wonder](#).



The FT Bloody Wonder is the newest addition to the Flite Test Swappable Series! A series of scratch built planes designed with an interchangeable fuselage.


The Swappable Series currently consists of:  
[The Nutball](#)

**DHC-2 Beaver**  
 From sea...



**Flyzone**

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[The FT Flyer](#)  
[Delta Wing](#)  
[Baby Blender](#)

The FT Bloody Wonder features a swappable fuselage that is interchangeable with the other airplanes in the Swappable Series!

This combat flyer is capable of vertical take off, it can fly off the 24gram motor setup on previous swappable fuselage or you can upgrade to the [NTM Prop Drive Series 28-26A 1200kv / 250w motor](#).



One of the unique designs of this scratch build is the rounded aileron wing design. Created the same way that the Baby Blender wings are made, the rounded ailerons provide great lift!

In case you missed the review of this plane you can check it out here:

[http://flitetest.com/articles/Vertical Drag Race Combat](http://flitetest.com/articles/Vertical_Drag_Race_Combat)

FT Bloody Wonder Build Plans Available Here:

[FT Bloody Wonder 1 of 2.pdf](#)

[FT Bloody Wonder 2 of 2.pdf](#)

**TIP for printing the plans:**

To print "tiled" use [Adobe Reader X](#) and in the print dialog select "POSTER", select "Cut Marks" and make sure "Tile Scale" is 100%. Then overlap and tape as required (after trimming the top overlapping edge). (Thanks youtuber [larrybarrick](#) for this suggestion!)

Detailed build video for the power pod (fuselage) available here:

<http://youtu.be/aMeGqVGZcJA?t=2m11s>



Equipment used/recommended for this build:

[ADAMS Foam Board](#)

[Turnigy TG9e 9g Servos](#)

[Push Rods: 1.4mm Piano Wire](#)



[Linkage Stopper "Speed Clevis"](#)  
[NTM Prop Drive Series 28-26A 1200kv / 250w](#)  
[TURNIGY Plush 25amp Speed Controller](#)  
[Turnigy 1300mAh 4S 20C Lipo Pack](#)  
[Futaba T8FG Super 14ch Transmitter w/R6208SB 2.4GHz Receiver](#)  
[Futaba R6106HFC 2.4GHz FASST Mid Range 6Ch Rx](#)

Additional/Alternate components:

[Suppo 2208/14 1450kv Brushless Motor \(Park 370 equiv.\)](#)  
[APC-style Electric Propeller - 8x4E](#)  
[Suppo 18A Brushless ESC](#)  
[Suppo SP-90 9g Micro Servo](#)

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COMMENTS



**dgrc**

2 days ago

Just finishing up the nutball as my scratch build and learned a lot about building foamies. With all your great swappable designs, it looks like this will be a winter of shuttling between my building table and Dollar Tree. I'm an RC noob so hoping the nutball is as forgiving as advertised. The electronics are on order from Hobby King so stay tuned for a maiden crash report in a week or so.



**tramsgar**

2 days ago

Finally!! I've really been waiting for this one. Thanks a lot!



**motoringmaniac**

2 days ago

Brilliant Idea on the zip tie control secures chad!



**Mirabile Visu**

2 days ago

Hooray, I've been waiting for this one. Nutball, FT Flyer, Delta, Baby Blender are all built. Keep up the great work, Flite Test is an inspiration. Trevor (in England, where Foamboard costs much more!)

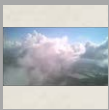
**liveyourdreamsRC**

1 day ago





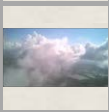
Awesome guys keep going with the swapables. They're great. Glad you finally came out with a build video for this. Looking forward to maybe building this some time



**liveyourdreamsRC**

1 day ago

Your piano wire link at the bottom here doesn't work for me. I don't know if it is just my computer or if it is an error in the article.



**liveyourdreamsRC**

1 day ago

What prop are you using? It's green and the recommended one on altitude hobbies is grey. Is there a difference?



**MrClean**

1 day ago

Just finishing up my Twin Twirl I think I'll build one of these next. In the video however, it shows you opening up the hole in the servo arm with a Xacto knife. Don't do that. Instead, chuck a spare piece of the wire that you intend to use that has been cut off into your drill and use that to drill the hole open to the exact size of the wire. No slop solution. Also, a little whetstone can be bought for a buck to put the edge right back on your Xacto knife. Don't have to replace them so often that way.



**tramsgar**

1 day ago

Good tips! Thanks. It'd require some skills to sharpen a razor, though.



**MrClean**

21 hours ago

its an easy skill, lost in a disposable age BUT it costs nothing and keeps paying back. If I weren't cheap I'd build my planes from Gold instead of Dollar foamboard. Unfortunately they'd fly just as good!

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