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Scratch Build - Delta Wing

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Learn to build a swappable Delta wing! This Delta is designed for taking that next step in your RC flying with the ability to do rolls, loops, inverted flight and more!

The third installment in the swappable airframes series is this Delta wing, designed with a unique KF airfoil step design. The KF step on this Delta is created with a folding technique that will offer for a clean scratch built design!

Josh also goes into detail in constructing the "folded" fuselage which can be swapped out and used with the other wings like the [Nutball, FT Flyer](#)*.

*The FT Flyer swappable airframe can be seen in the [Choose your Prop Adventure series here](#)

- Electronics used in this build:
- [Lazer Toyz - Blue Wonder 24 gram Brushless 2712-12](#)
 - [Hextronic 9 Gram Servo](#)
 - [Red Brick 25A ESC](#)
 - [GWS EP Propeller \(RD-8043 203x109mm\) \(6pcs/set\)](#)
 - [OrangeRx R610 DSM2 6Ch 2.4Ghz Receiver](#)
 - [Turnigy 500mAh 2S 20C Lipo Pack](#)

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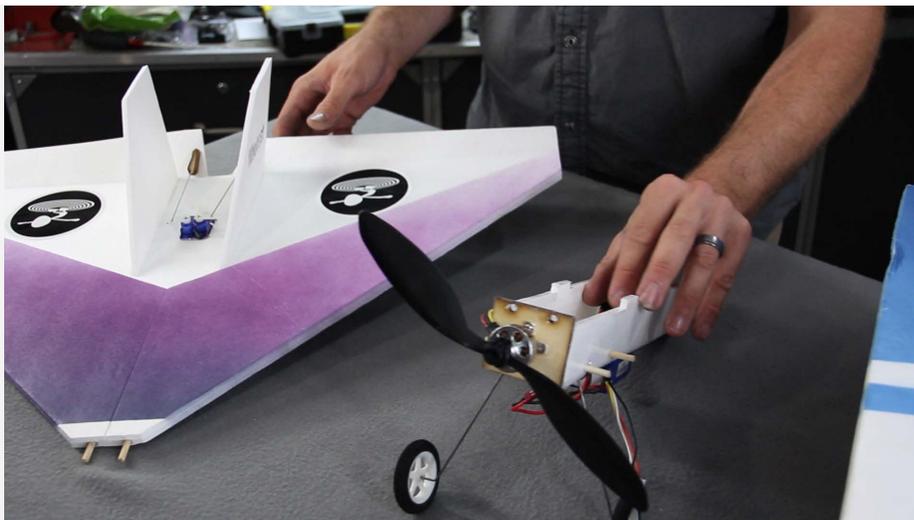
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This Flite Test scratch build project is made from [Dollar Tree brand](#) foam-board which offers a cheap, lightweight (yet, sturdy) platform for scratch built projects.

This specific Delta and fuselage was created from 2 pieces of foam board.

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!)

Here are the plans for this build:

[Delta Wing Plans](#)

[\(Metric\) Delta Wing Plans](#)

[Fuselage Plans](#)

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Eric Deagle 3 months ago

Really cool concept, and super easy to build

Jimmy au 3 months ago

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awesome work guy's. i have just built up a "FT Flyer" (Blue dart) using your "folded" fuselage design. looking forward to trying a Delta when my skills catch up to my ego. Cheers Jimmy



bmsweb

3 months ago

5 Star article no two ways about it. So many tips here that go way beyond just the Delta Wing!



JimmyHendrix

3 months ago

very cool!



Nicholas Love

3 months ago

It will be my next plane after the FT Flyer. Great Build Video. And keep it up with the Locals :)



silverknight

3 months ago

Best build video ever. Nicely done guys.



Mirabile Visu

3 months ago

What a brilliant idea. I hope to build the full series. Very many thanks for the inspiration.



ukbozzy

3 months ago

Great instructional video josh, the swappable series will help bring new fliers into the hobby and also aid in there progression. It did make me laugh how many times you said " Perpendicular " Keep up the good work... Steve



rcchips

3 months ago

Been following you guys since the tricopter episodes. Keep up the great work! Going to build one now. It there a link to the FT Flier SWAPPABLE version plans?



llliop

3 months ago

I built one very similar to this with out the (semi) vertical stabilizers, and my kf step I made like 7" from the nose (not tapered to the ends of the wings). It is pretty squirrely. Should I add the (semi) vertical stabs, add taper out to the ends of the wings, or both? any suggestions would be appreciated. How can I add a picture of what I have fore reference?



JohnnyFun

3 months ago

Josh another great job explaining what to do and why. As a beginner you made this look very easy and something I am gonna do this weekend. StoneKap rules...



wingnut

3 months ago

Great build video guys and thank you. This Doller Tree foam board. Could someone please let me know the UK name for it, and where to get it. Wingnut



reaverman

3 months ago

Foam board, about £7 in Rymans

wingnut

3 months ago

Thanks for that reply Reaverman. I will give them a go.



reaverman

3 months ago

You're welcome, btw it's usually near all tge large card stock



lpinho

3 months ago

Can this be used as a trainer or this is just too fast?



John Mangiameli

3 months ago

I love me the Delta. I can't wait to get a chance to put this on my fuselage.



zachlevet

3 months ago

Hey i am new to scratch building and was wondering how to print outr the plans because out of my normal printer it does not print the same size as it should be



reaverman

3 months ago

Trying to sort out the CoG, where am I measuring it from. On the wingtips, it always tips



Bob Howard

3 months ago

This is really going to get me started. Thanks



Griffo

3 months ago

Does anyone know where you can buy this foam in Australia?



dj_sonicfreak

2 months ago

love the delta i want to know how to make it faster with adding a little of weight



denigami

2 months ago

Hi i'm just new into RC stuff and i hound this one amazing one thing I can't find though is the Red Brick 25A ESC, can I use a Red Brick 30A ESC instead of a Red Brick 25A ESC or a TURNIGY Basic 25A v3.1 Speed Controller. I need your help.



Hal9000

2 months ago

Regarding Foam Board sources. Try your local Art Supplies store! Yes believe it, the local arts supply store. I was most surprised to find 3mm and 5 mm white and black Foam Board, balsa, and metal rod (for landing gear and servo push rods). I bought a large sheet enough for the FT Flyer for \$NZD13, but the left over was 50mm too short to build the Delta. Dammit! The stuff they have was all at least half the price than my local hobby store charges (and its exactly the same stuff!).



constantmotion

2 months ago

Can we get some good plans? The plans provided are hard to use if all the measurements aren't added.



akash

2 months ago

where is plans and measurement



constantmotion

2 months ago

Thanks for the updated information. Helped out alot.



Crazyfrog

1 month ago

Salutations les amis je suis Suisse et je trouve cette idee de faire plusieurs models d avions avec le meme fuselage superb cool bravo. A quand un jet?



Darthturner122

1 month ago

What battery did they use in the video? It's not the one that was in the parts list. Will the parts listed still make it go vertical?

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