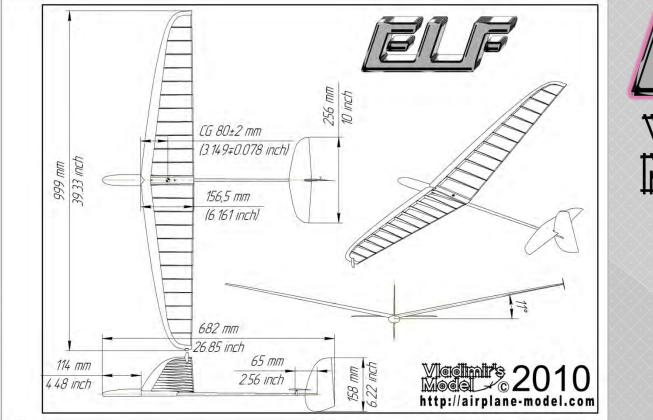
ELF – Assembly Instructions





What is the ELF?

The ELF is a 1-meter wingspan discus launch glider (DLG)
The ELF allows the Pilot to fly in small spaces like never before
The ELF combines state-of-the-art model sailplane design and construction technology coupled with simplicity at a low cost
The ELF is intended for pilots of all skill levels and experience
The ELF is big fun in a small package!



ELF - Assembly Instructions

http://f3j.in.ua



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 7 STEP ASSEMBLY PROCEDURE

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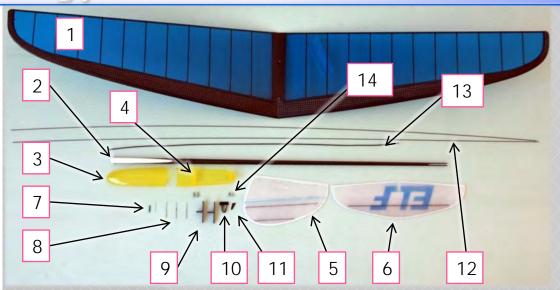
3. GO TO FLY 🙂 !



Parts and Materials List

The ELF kit includes the following parts:

Wing
 Fuselage boom
 Fuselage nose-cap
 Fuselage pylon
 Vertical stabilizer (Rudder)
 Stabilizer
 Stabilizer pushrod tip
 Pushrods tips (3pcs)
 DLG Wing launch pegs (2pcs)
 V-mount
 Rudder horn
 Pushrods (2um.)
 Pushrods pipe(1um.)
 Wing mount screws (longer - front, shorter - rear)



List of radio equipment needed to fly the ELF:

- 1) Shread RC 240 mAH (Li-Po battery pack)
- 2) Dimond D47 servos (2pcs)
- 3) Micro-Receiver (Spectrum AR6250 or AR6255)
- 4) Radio transmitter

List of materials needed to assemble the ELF:

Medium and liquid CA glue Razor knife Pen Ruler



Masking tape 150-240-grit Sandpaper Needle-nose pliers Your desire ©

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Cement the rudder horn and cutting slot in the stabilizer



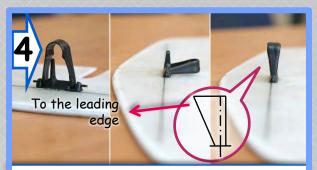
At once behind a spar cut out a slot in the stabilizer center through. Don't cut the carbon spar!!!



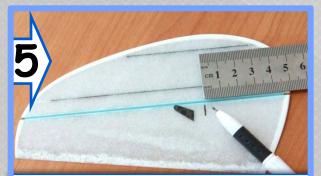
Disassemble V-mount. Insert a stabilizer horn into a slot precisely as in picture. Pay attention to horn position!!!



Glue the horn by liquid CA glue from below and from above. Don't fill in the shaft!!!



Attach back a V-detail precisely as in picture. The wide side to the leading edge.



Note slot position in the rudder (50 mm from a bottom)



Cut out the rudder horn slot and glue in

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Install the rudder and the stabilizer



Sand a rear bore in a pencil and a beam around a pencil with sandpaper





Put on a beam the fuselage-pylon, V-mount with stabilizer, but don't glue them. After tail installation pylon anymore won't put on !!!



Insert the vertical stabilizer into a slot on a beam and accurately glue from two parties by CA glue



Establish the stabilizer to perpendicularly rudder



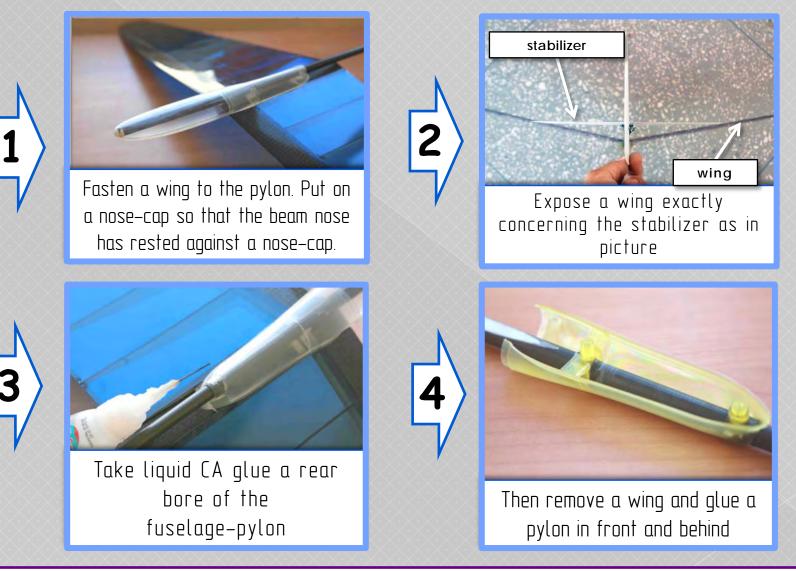
Accurately paste V-mount to a beam. Don't fill in a stabilizer horn !!!

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Cement the Fuselage Pod to the Boom

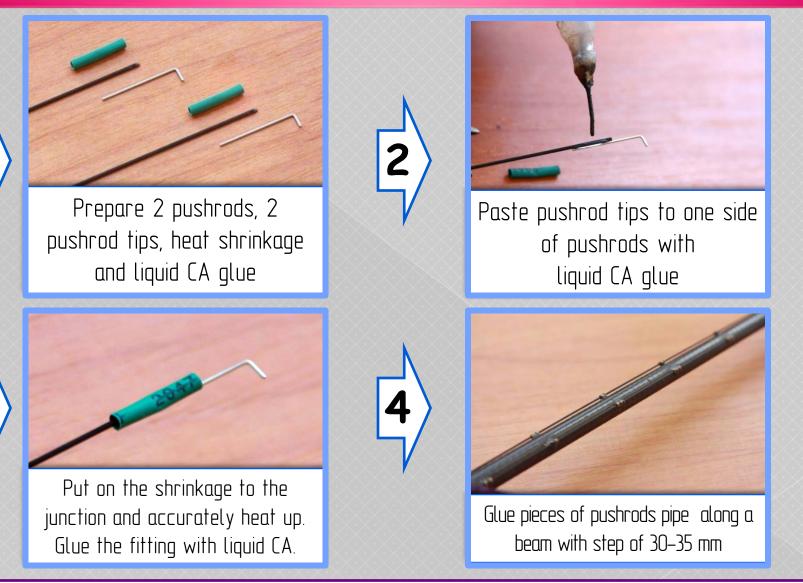


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Install the Pushrods and Pushrod Tips

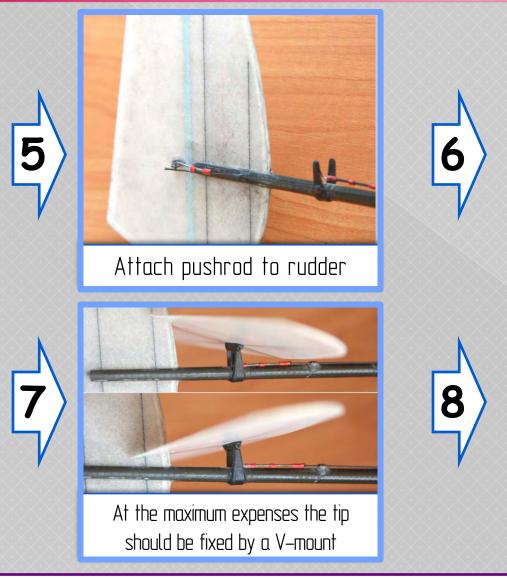


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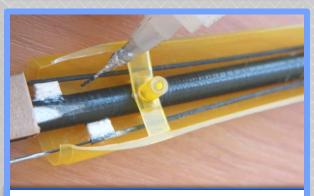


Install the Pushrods and Pushrod Tips





Attach pushrod to stabilizer. If for this purpose it will be necessary to remove it – make it



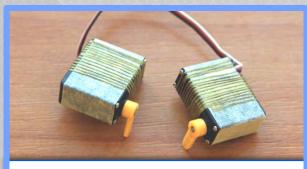
Necessarily fix pushrod pipes on the pylon brink

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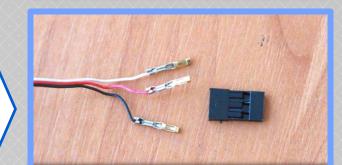
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Install the equipment

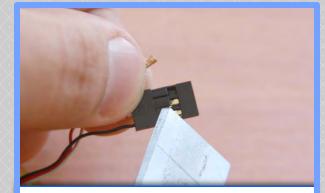


From servos cut off pads, wrap up their masking tape (it is possible still a thin strong thread)

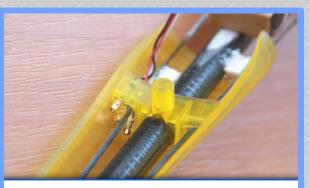


Do it with all sockets: 2 servos and the accumulator. Remember polarity!!!





To remove a socket, it is necessary to hook accurately each pad and to pull out a wire



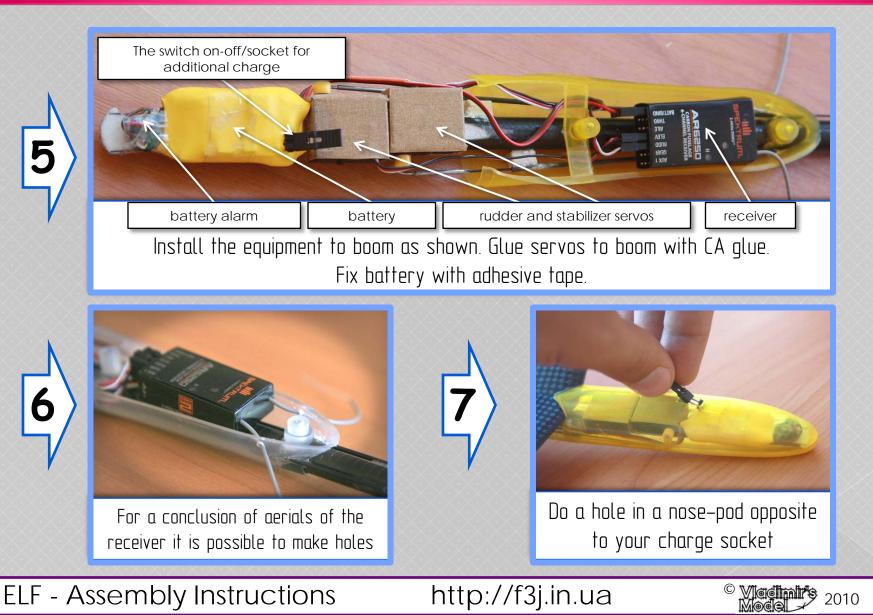
Now pass all wires through special bores in the pylon. Insert sockets back. Polarity as on fig. 3!!!

ELF - Assembly Instructions

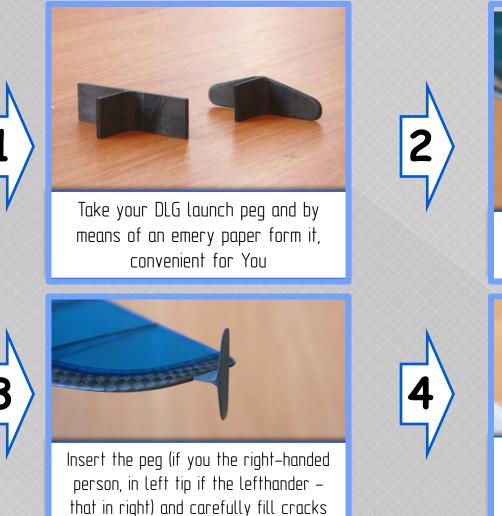
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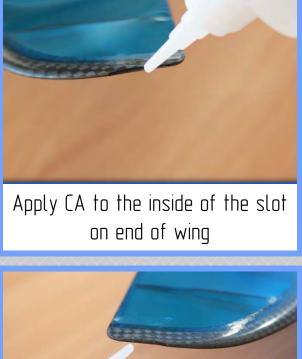


Install the equipment



Install the DLG Pegs





On the opposite side also necessarily apply CA glue. For balance, it is possible to paste the peg and from this party

with CA glue

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Balance the CG

2

Establish the recommended center of gravity of model 80– 85 of mm from a dyobumn edge of a side panel around the midpoint. Move the accumulator or establish cargo forward for reception of more front centering or back — for reception of more rear.

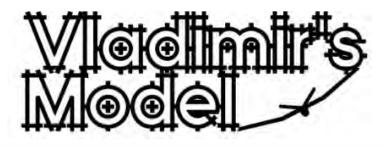
Don't forget to charge the ELF and the transmitter!!! In order to avoid wing breakage, start model from a complete revolution!!!



Program the transmitter and GO TO FLY!!!



If you have further questions or would like to purchase additional products please contact us at:



http://f3j.in.ua http://airplane-model.com e-mail: info@airplane-model.com

