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Instruction Manual

Scale Fuselage Airwolf 500 size



1. INTRODUCTION

Thank you for buying Roban Model products. The 500 size Airwolf scale fuselage is designed as an easy to use product. Please read the manual carefully before assembling the model, and follow all precautions and recommendations located within the manual. Be sure to retain the manual for future reference, routine maintenance and tuning. The scale fuselage is designed for T-REX 500 Helicopter series use. You can easily put it on your T-REX 500 for new clothing.

Important Note

Roban Model R/C Helicopters are advanced, high-performance devices, built incorporating the latest technologies. They are not intended as toys, and improper use can potentially lead to serious injury, or even fatal accidents. We implore you to read this manual thoroughly before operating these models. Safety should be your utmost priority - not just your own, but also that of others and your surroundings when piloting Roban Model products.

Liability Disclaimer:

The manufacturer and the seller cannot accept liability for the operation or misuse of this product. Roban Model R/C helicopters are intended to be used exclusively by experienced adults in legally sanctioned flying fields. Once sold, we cannot monitor or control the product's operation or usage.

Operation Guidelines:

Upon assembly of the scale fuselage, the weight and complexity of the structure will increase. To mitigate risk of accidents and damages, we advise against attempting 3D flights.

Skill Requirements:

The operation of R/C products necessitates a certain level of skill and familiarity. Any damages or dissatisfaction resulting from accidents, modifications, or operational mishaps are not covered under any warranty. Consequently, such products cannot be returned for repair or if you experience problems during operation or maintenance.

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2. OPERATIONAL GUIDELINES FOR SAFETY IN USING R/C AIRCRAFT MODELS

Safety Zone:

Prioritize the safety of others by operating R/C aircraft models in isolated areas, free of bystanders. Avoid piloting these models near residential zones or large groups of people.

Operational Risks:

Be aware that R/C aircraft models are susceptible to accidents, malfunctions, and crashes. These may result from a range of factors such as inadequate maintenance, pilot errors, or radio interference. Understanding these risks is crucial for safe operation.

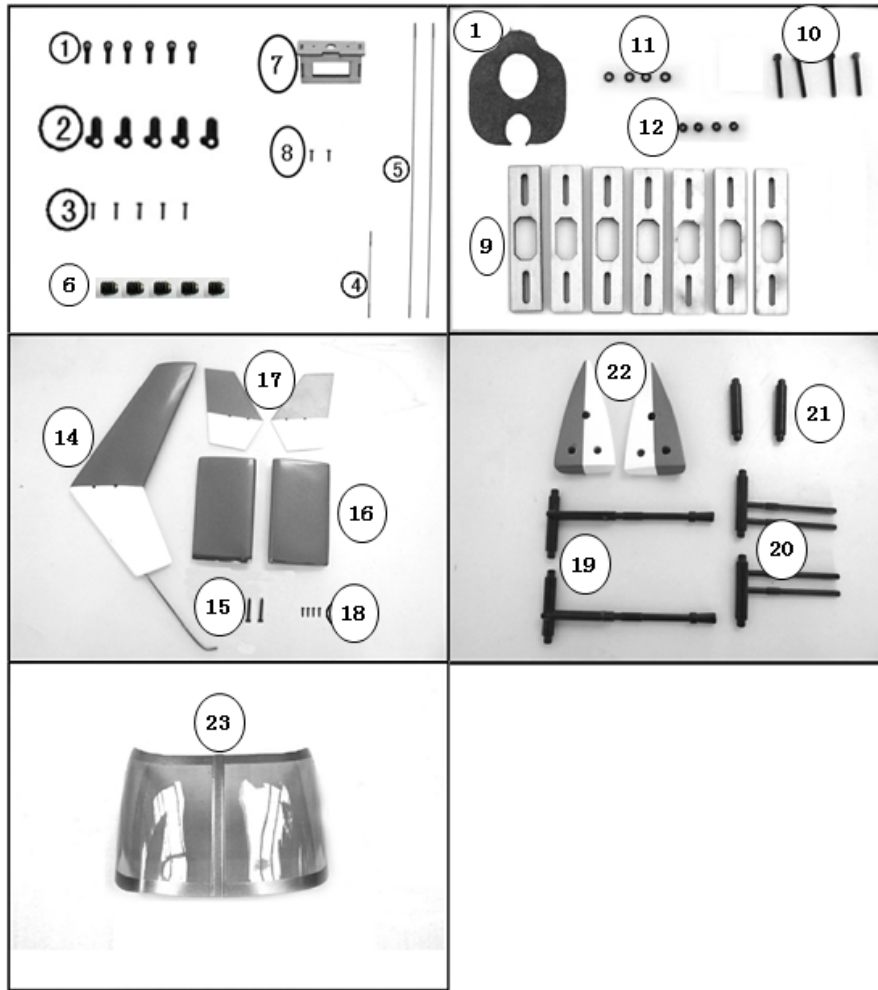
Pilot Responsibility:

Pilots bear the sole responsibility for any damage or injuries that may occur during operation or as a result of using R/C aircraft models. By undertaking the control of these devices, you accept accountability for your actions and their possible consequences. Always aim for caution and responsible handling to minimize any potential risks.

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3. CONTENTS OF KIT

Please check the contents of the kit prior to installation.



SCOPE OF DELIVERY

Item No.	Description	Quantity
1	Ball link	x5
2	Lever	x5
3	Screw M2x10	x5
4	Rod 2x85	x1
5	Rod 2x292	x2
6	Set screw M3	x5
7	Servo holder	x1
8	Screw A2x8	x2
9	Washer 3x17x65	x7
10	Screw M2x20	x4
11	Washer M2	x4
12	Nut M2	x4

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13	EVA Rubber	x1
14	Tail fin	x1
15	Screw A2x12	x2
16	Stabilizer	x2
17	Small tail fin	x2
18	Screw A2x5	x4
19	MG big	x2
20	MG small	x2
21	Connector	x2
22	End plate	x2
23	Front window	x1

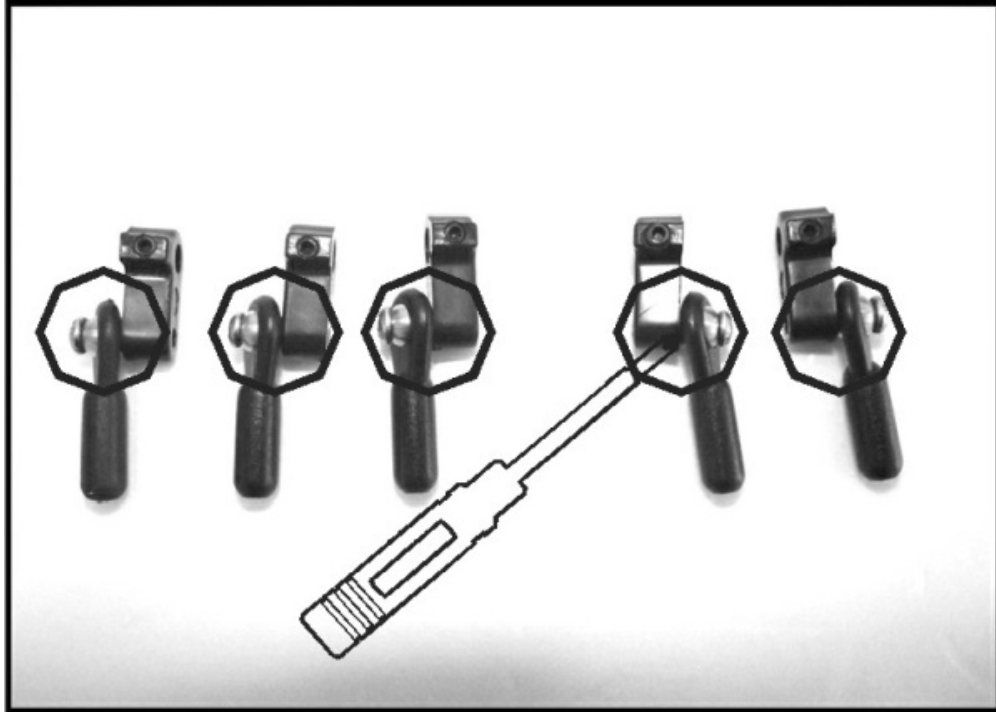
REQUIRED TOOLS / CONSUMABLES

Tool No.	Tool/Consumable	Additional Info
1	Hobby knife	
2	Allen screwdriver	
3	Phillips screwdriver	
4	File	
5	Wire pliers	
6	Silicon glue	(for windows)
7	Cyanoacrylate glue	
8	2K Glue	
9	Fine sanding paper	
10	Scissors	
11	40g servo	x2

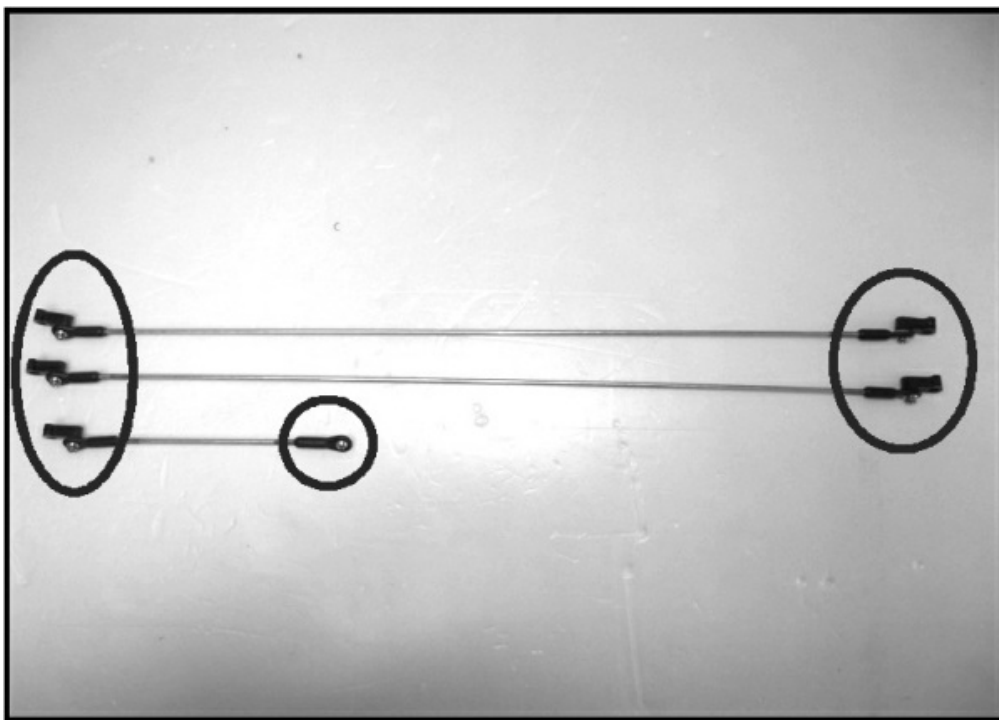
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4. INSTALLATION

- 4.1. Mont the balls with screw M2x5 onto the levers as shown below. Do not overtighten, the threads will wear out.

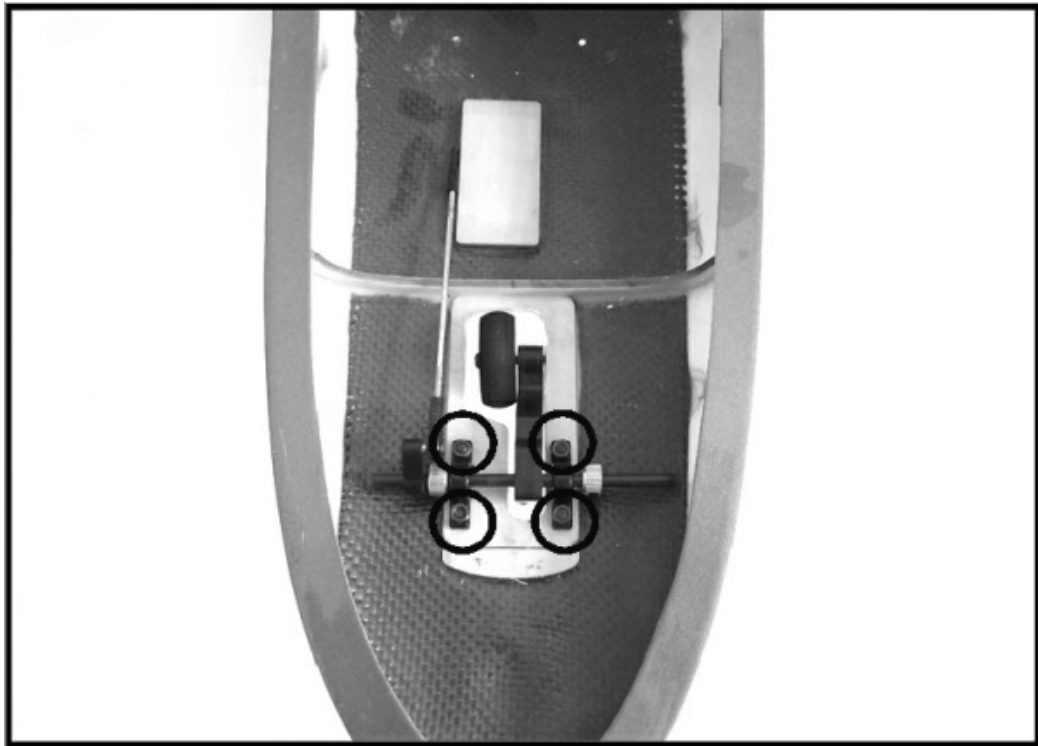


- 4.2. Mount the ball links to the rods and the levers tot he ball links as shown.

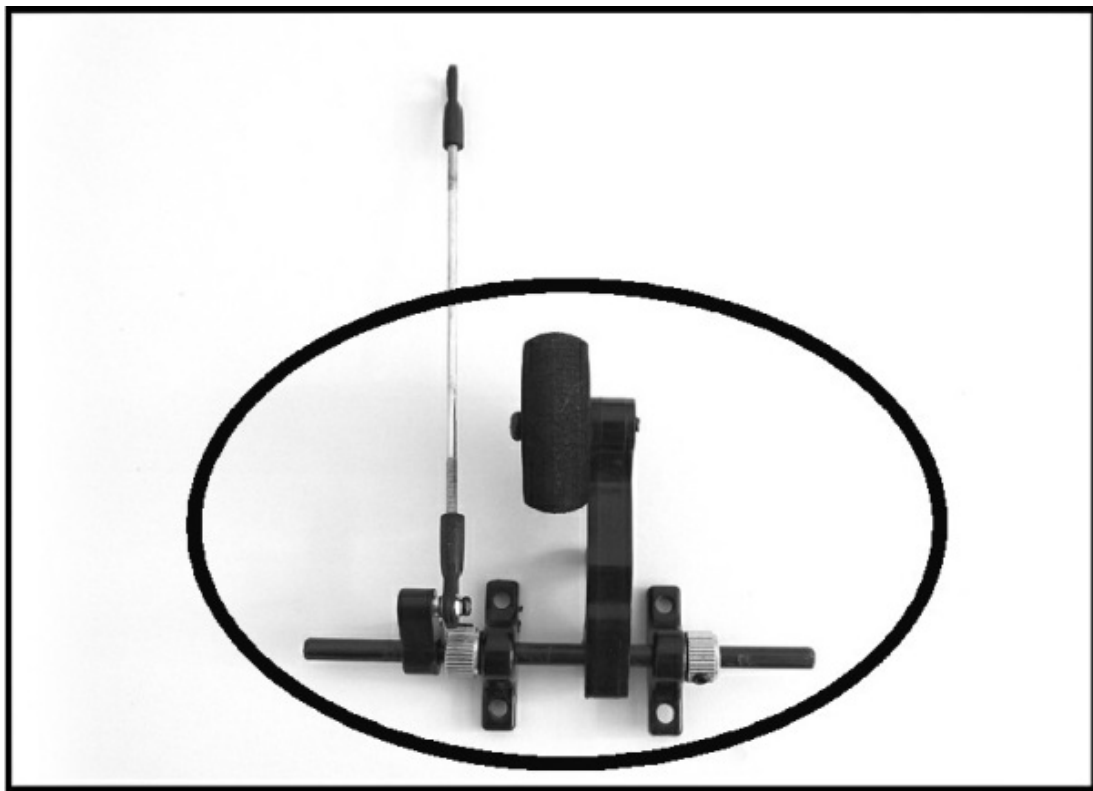


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4.3. Now ist time to install the front wheel assembly.

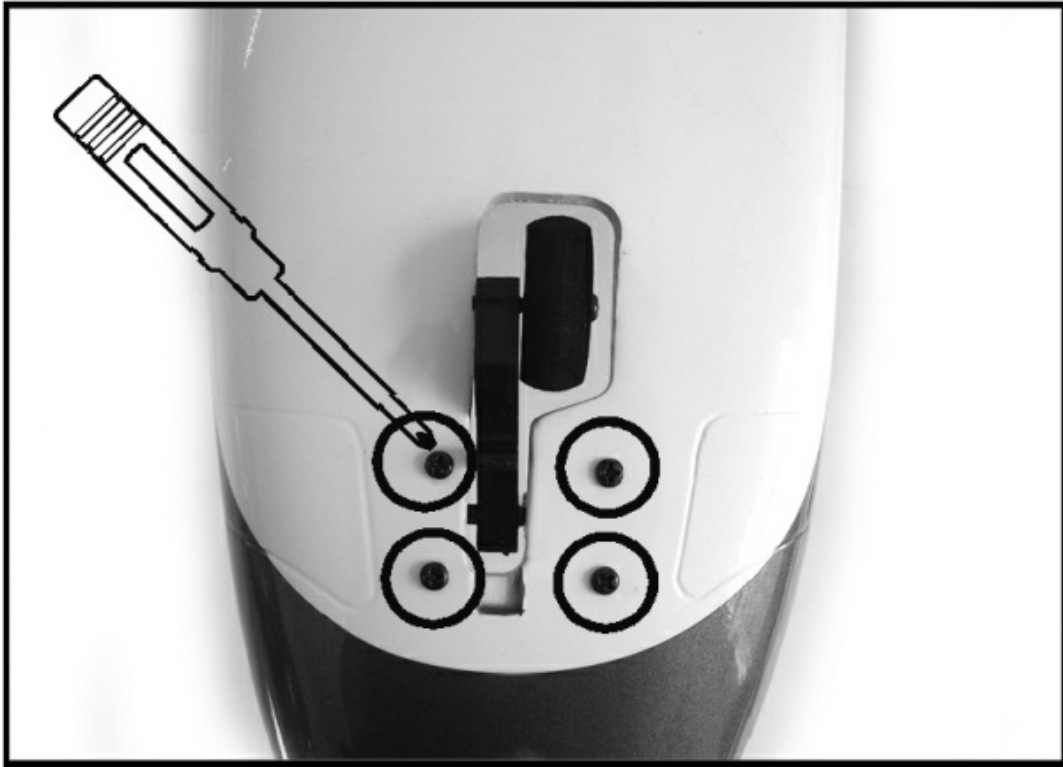


4.4. This is how the front wheel assembly goes. Do not tighten the screws yet.

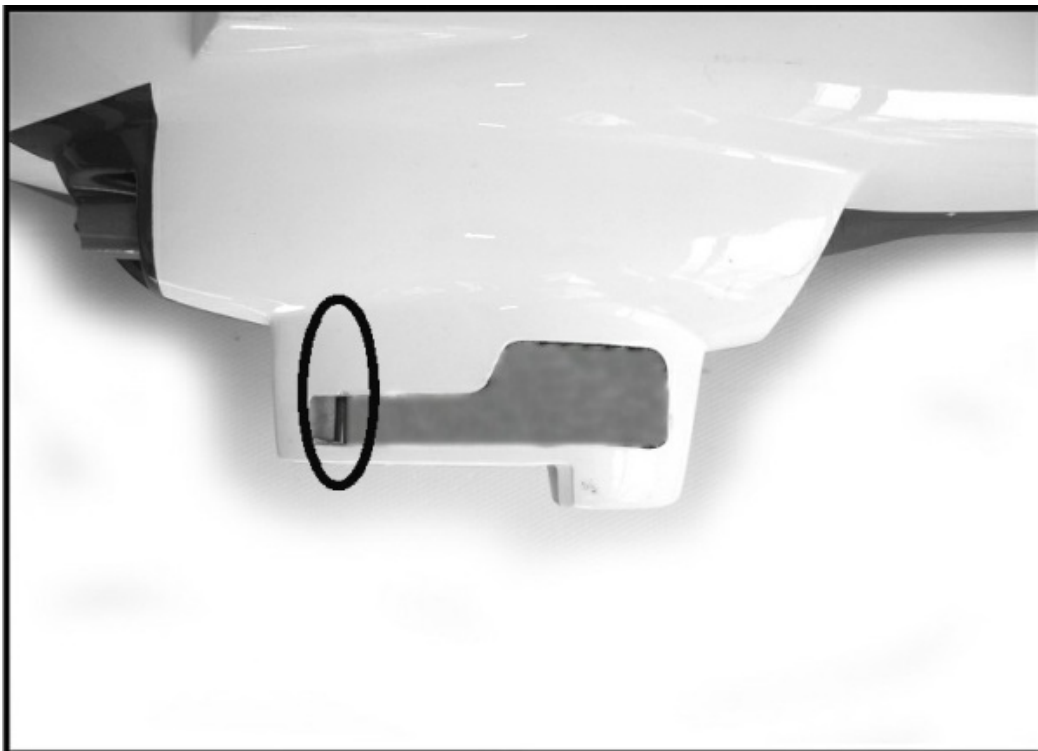


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- 4.5. Lock in place with washer M3 and screw M3x10 as depicted.

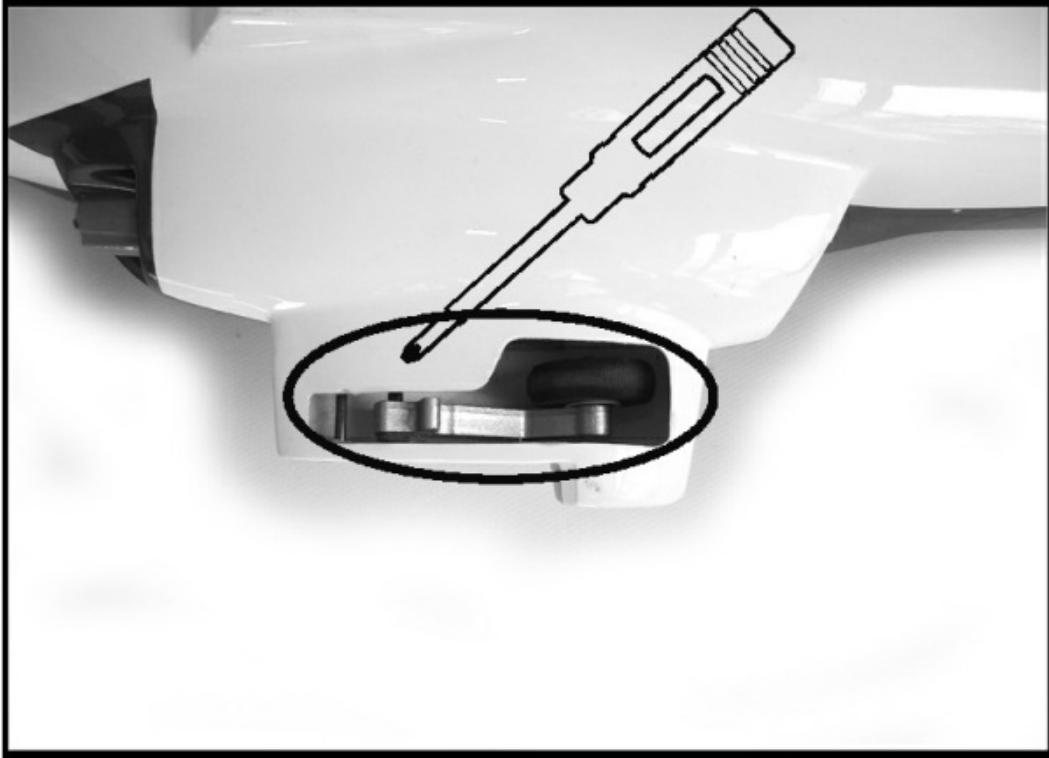


- 4.6. The carbon rods 3x45 are the pivot, insert them partially but do not secure them yet. The preinstalled rod serves as the end position limiter.

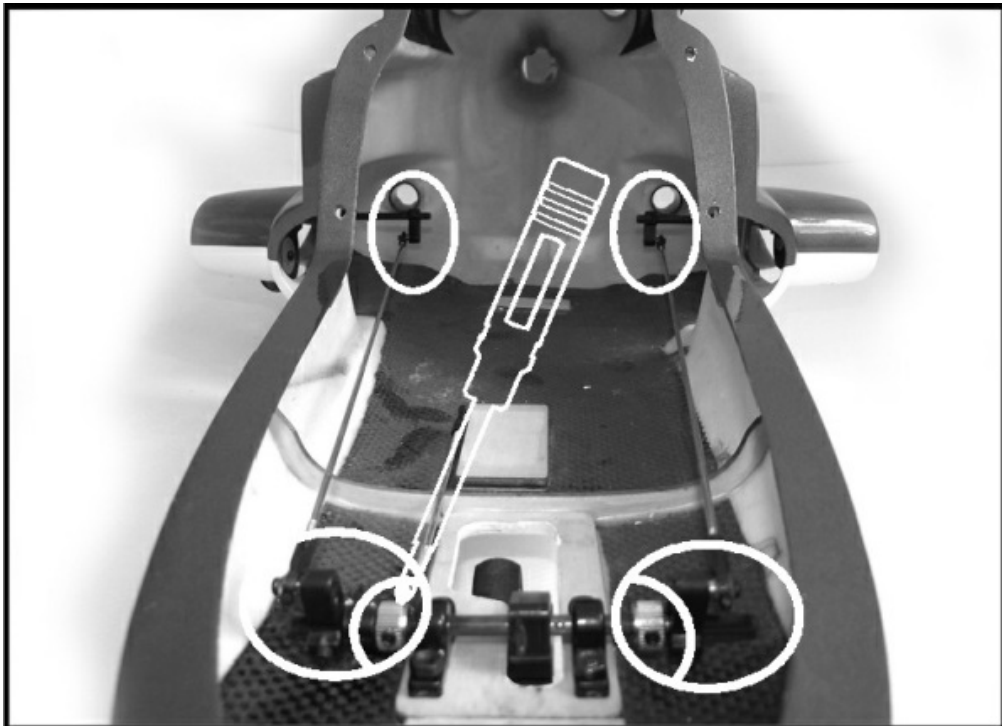


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- 4.7. Install the tail strut, then lock the rod in place with glue and the set screw. All adjustments can be done afterwards on the other end of the rods.

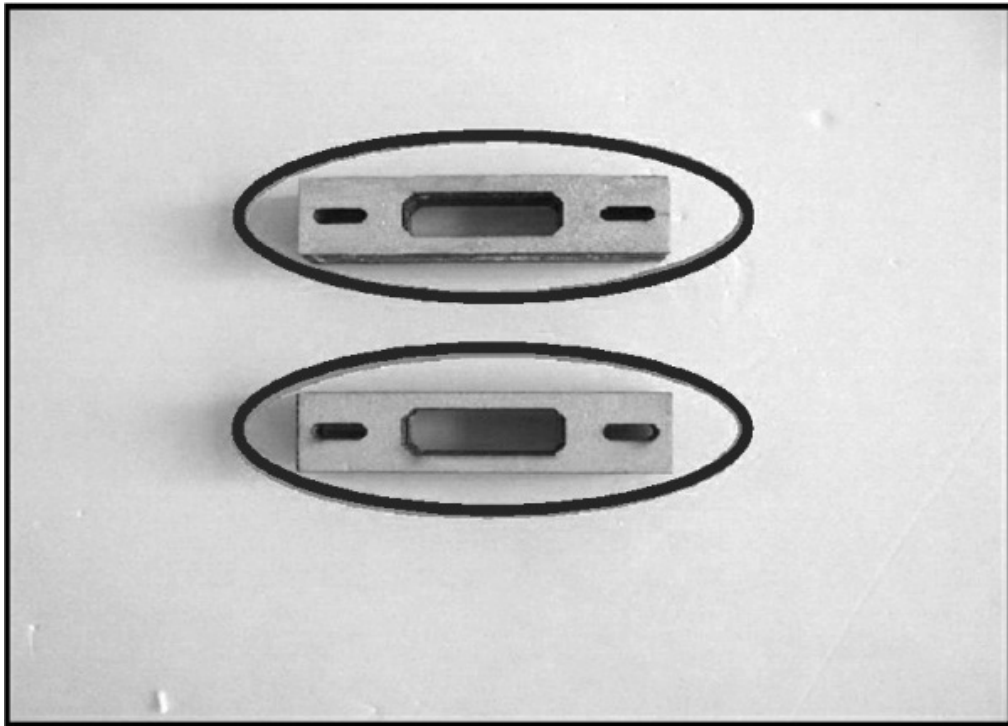


- 4.8. Install the prepared levers, shafts and retaining rings as shown. Do not tighten the screws prior to making sure the whole retract assembly is adjusted properly. The carbon shafts and plastic threads wear out quickly when overtightened. We recommend, once properly setup, to secure the parts with epoxy glue once all is properly installed. There is nothing more dangerous than trying to land with a wheel in.

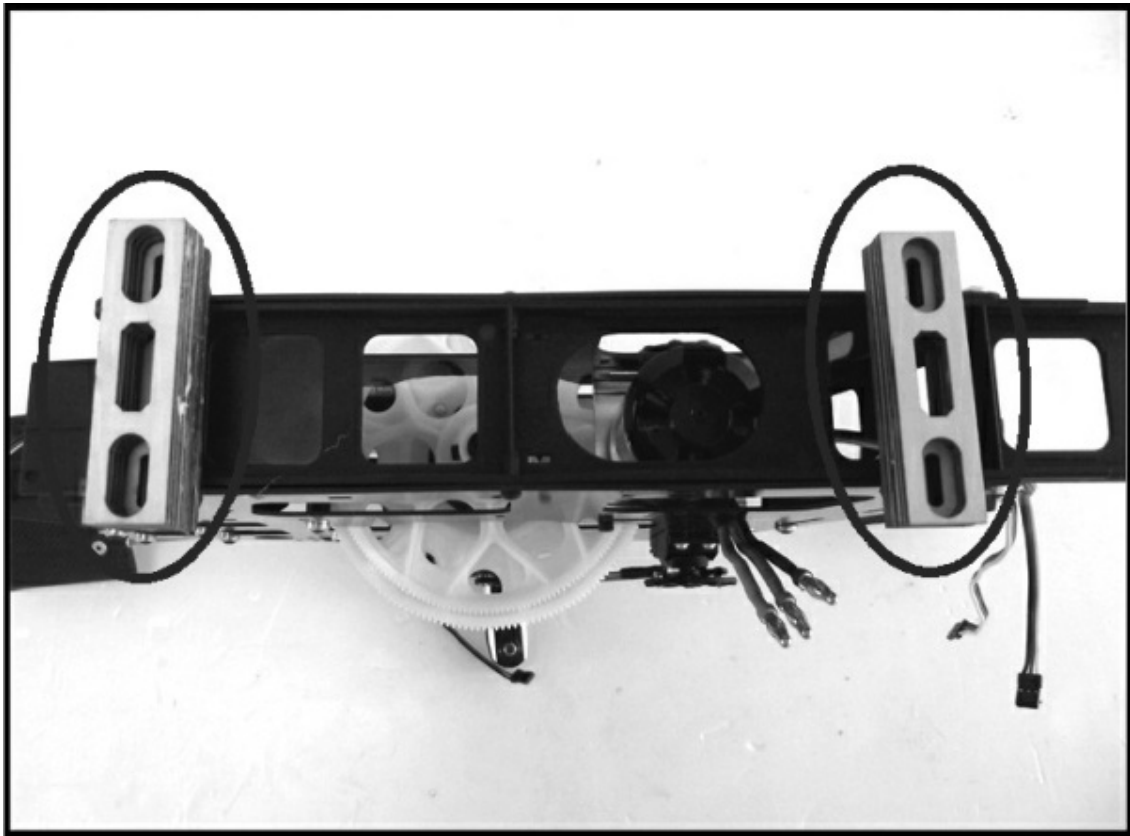


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4.9. Glue the wooden spacers together as shown.

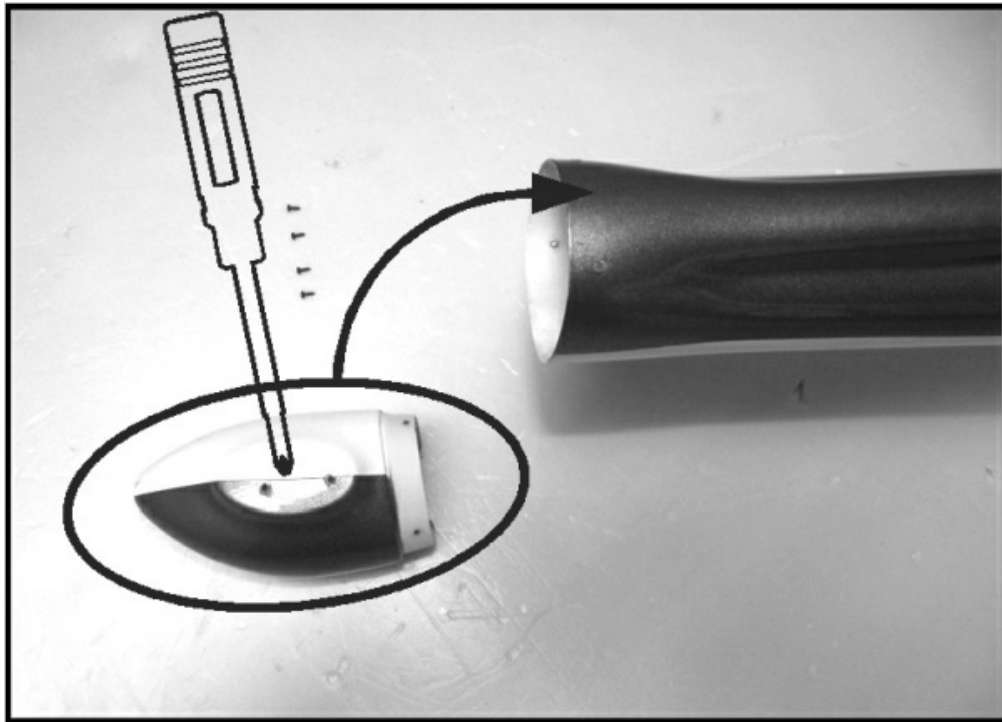


4.10. Mount the wooden blocks as shown and onto the mechanic. Please make sure not to rely on a glued connection between the mechanic and fuselage only! Check further down in the manual.

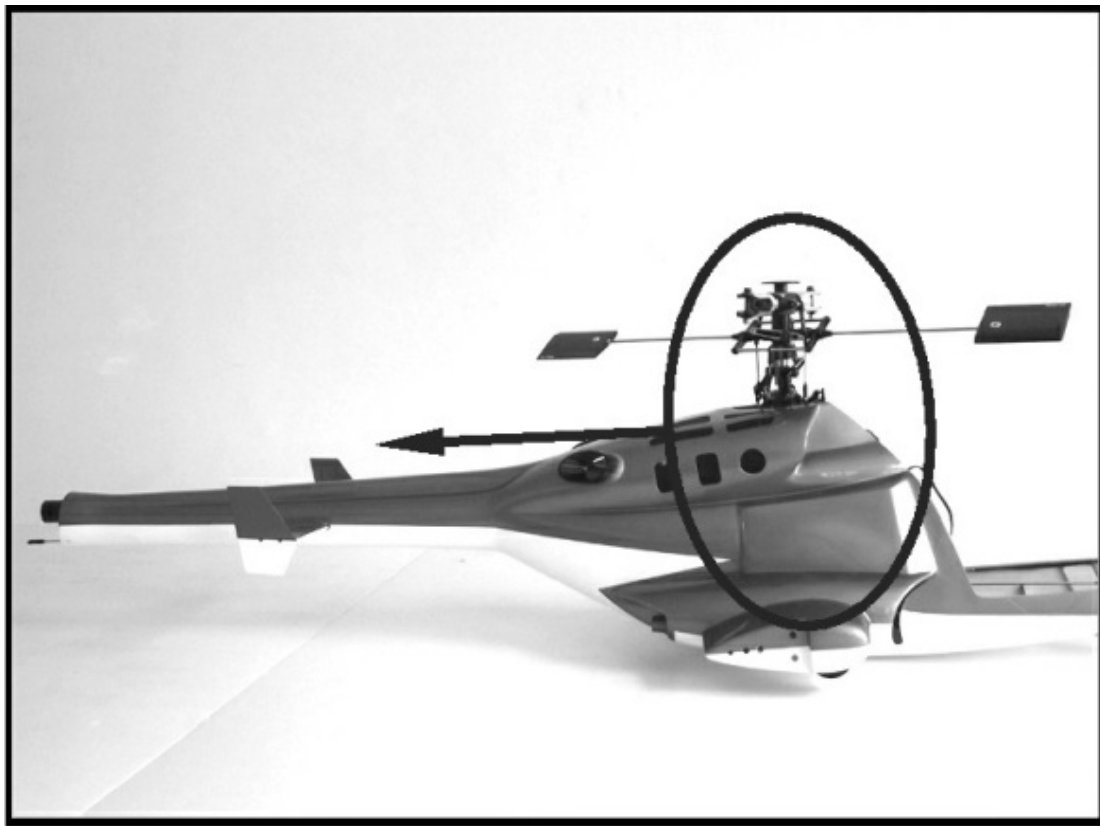


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4.11. Remove the tail cap.

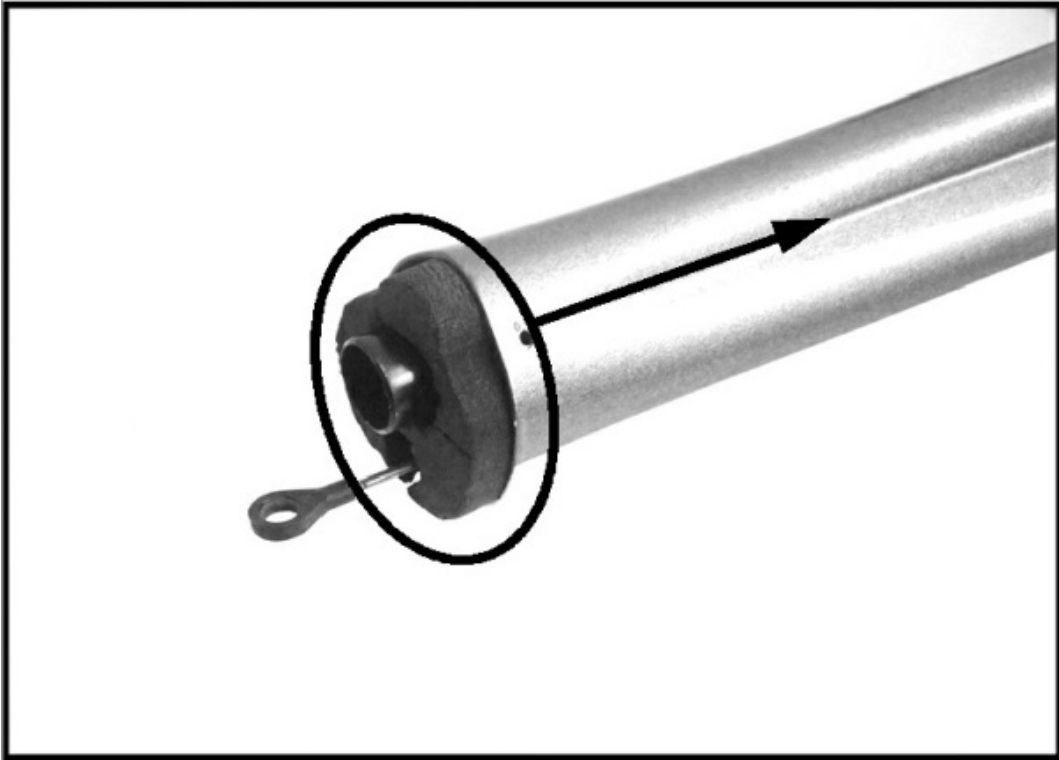


4.12. Insert the mechanic into the fuselage as shown.

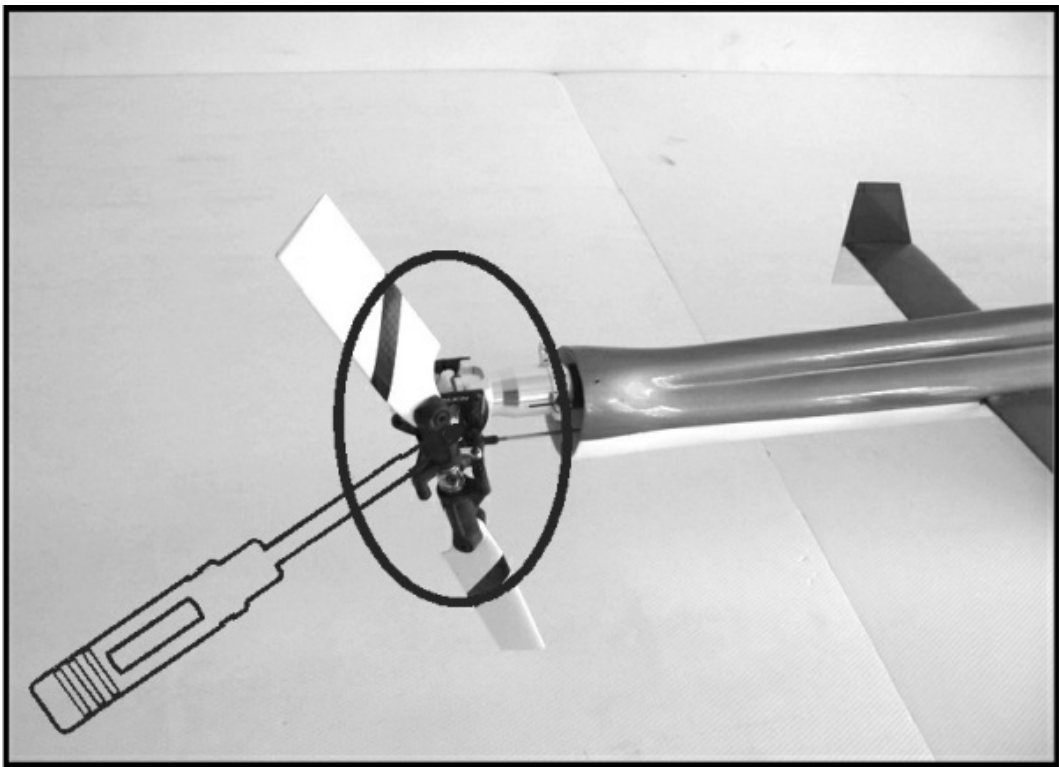


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4.13. Mount the EVA tail dampener as shown.

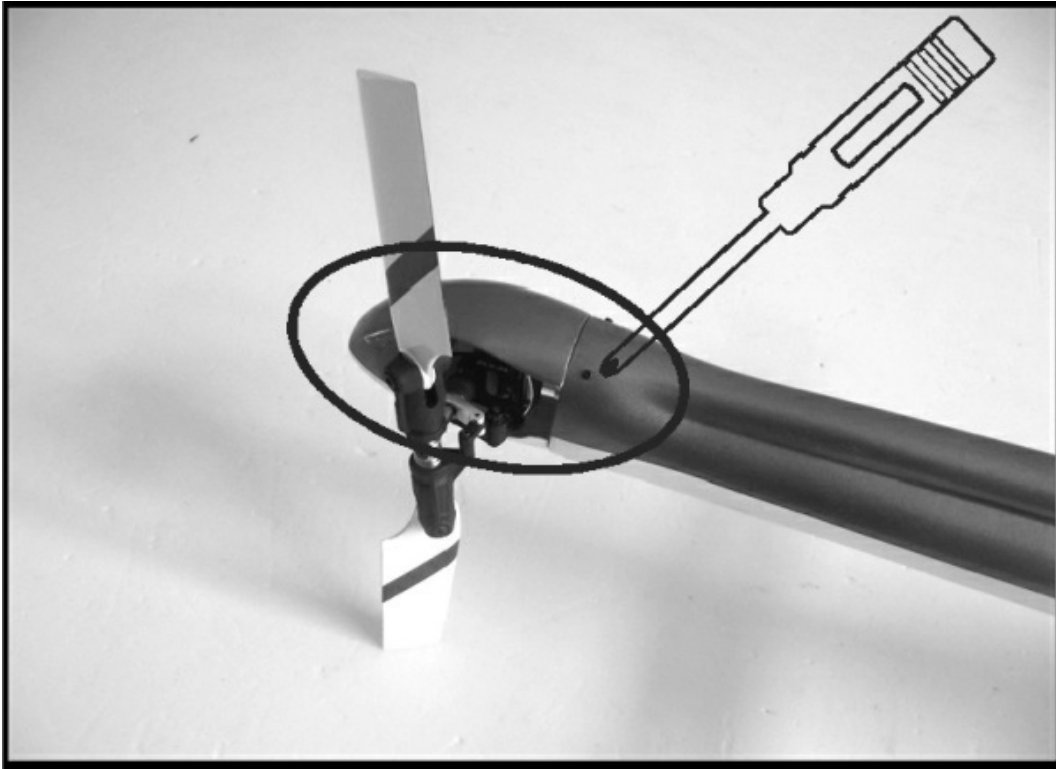


4.14. Install the tail rotor.

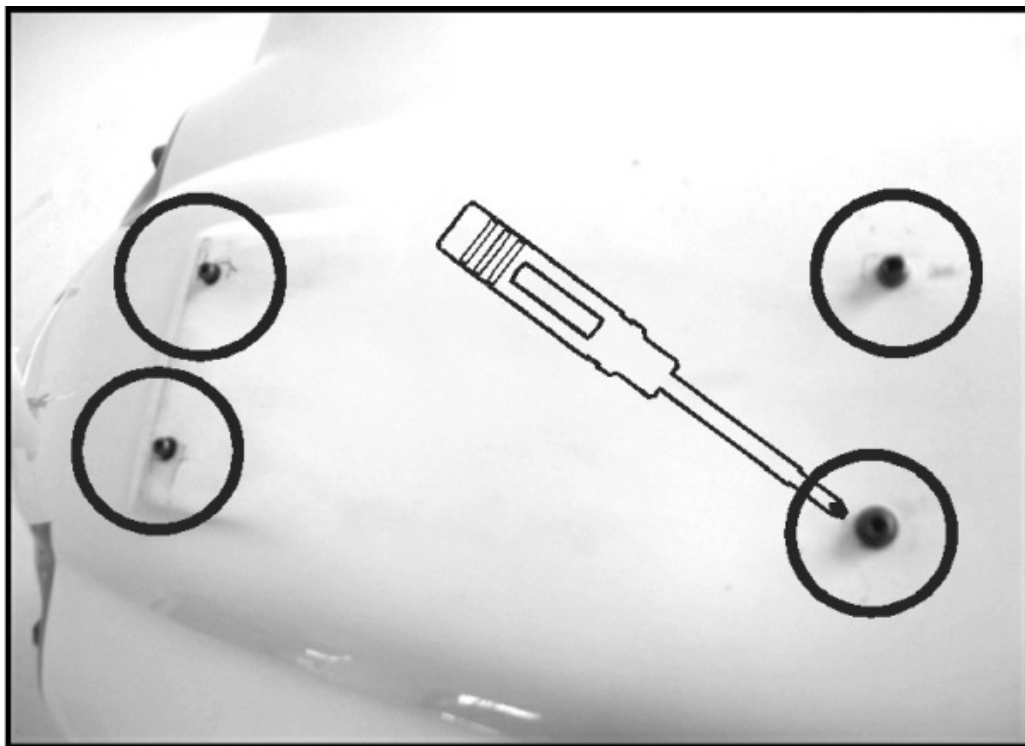


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4.15. Install the tail cap.

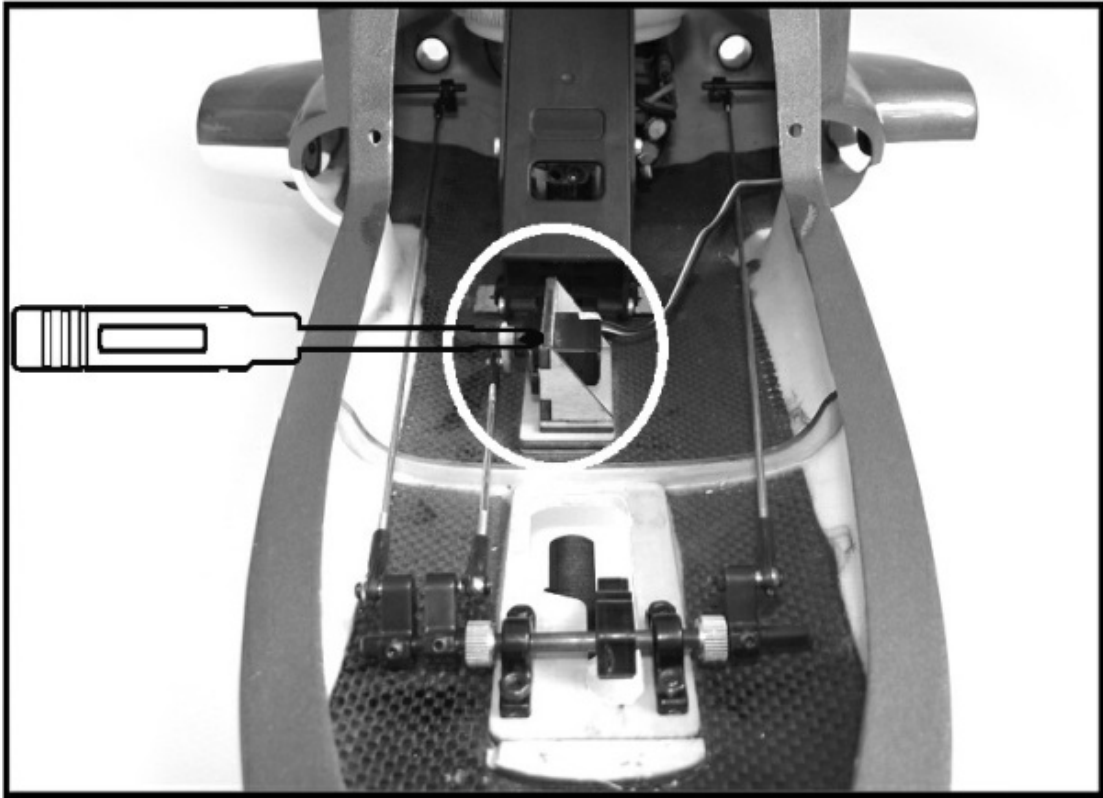


4.16. Lock the mechanics in place using screws M2x20 washers M2.

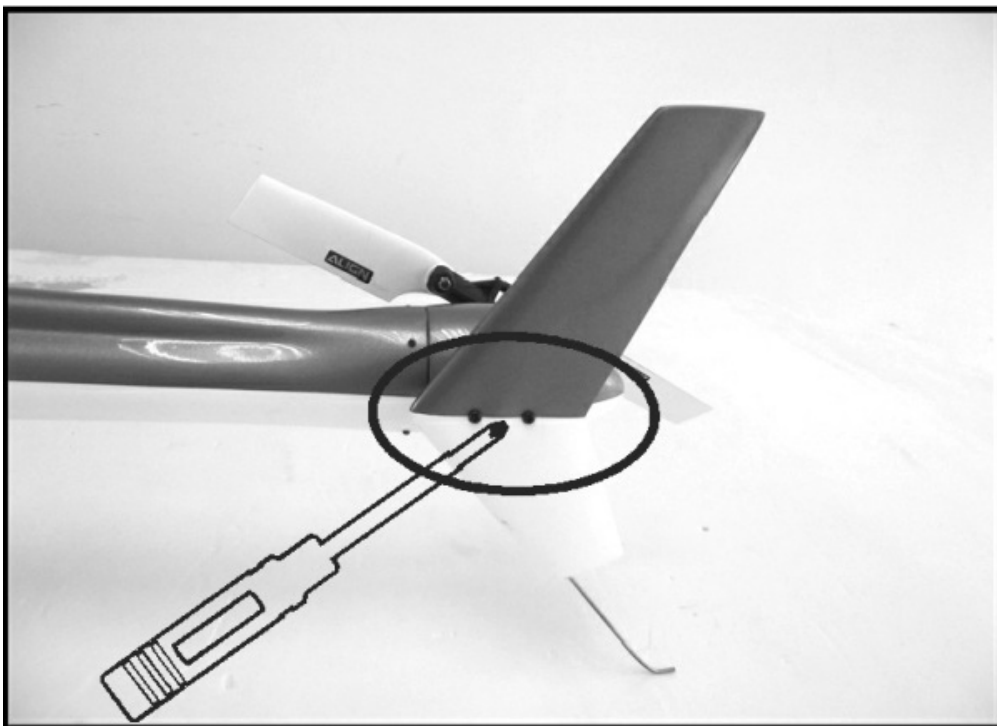


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- 4.17. Lock the retract servo using screws M2x8 in place.

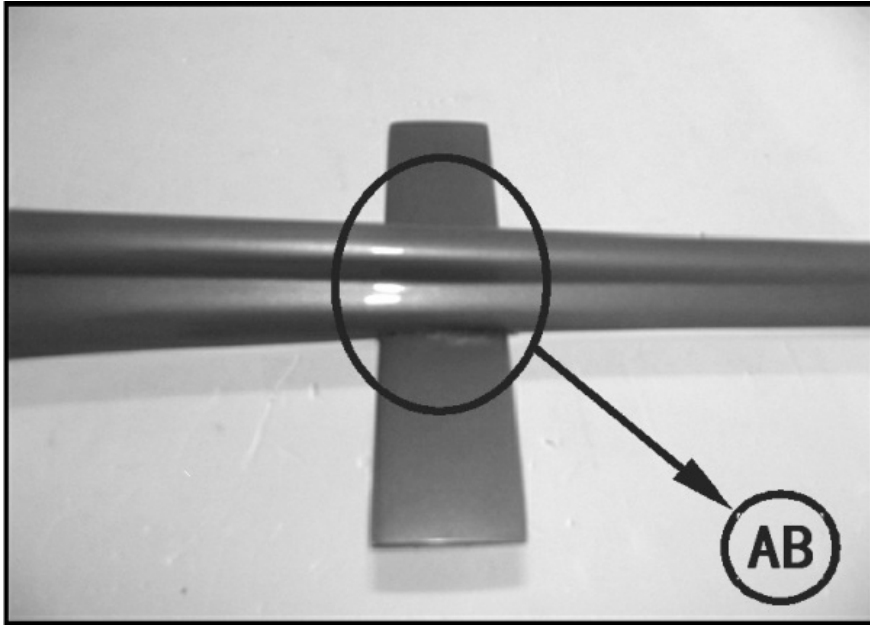


- 4.18. Mount the tail fin as shown with screws.

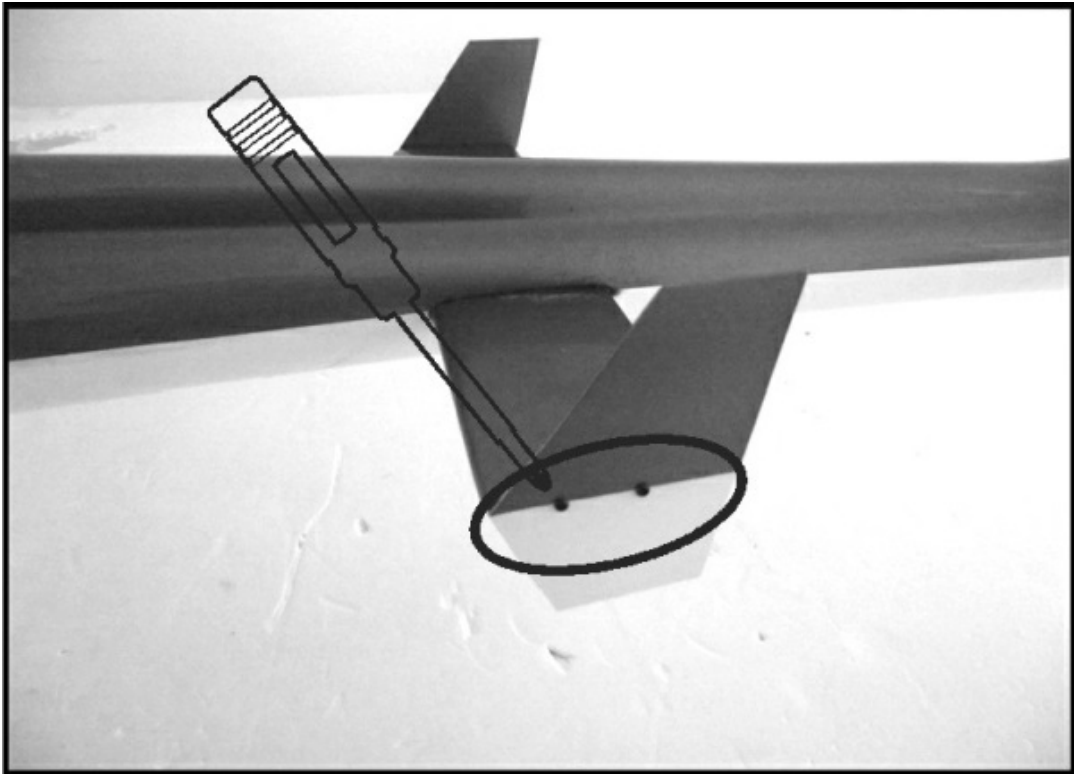


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- 4.19. Glue the tail wings in. This has to be done when everything else is installed. Use tape to to keep the wings at the right angle while the glue is setting. Do this by connecting both tip ends over the top of the boom with two or three strips of masking or duct tape. Do not rely on the grooves on the boom, due to manufacturing tolerances, these grooves do not provide you any guidance. When glue is applied, check with perpendicular mounting both by looking from the nose towards the tail of the model and also from atop. Do not use quick setting 5 minute epoxy glue, as it might not allow for enough time to adjust.

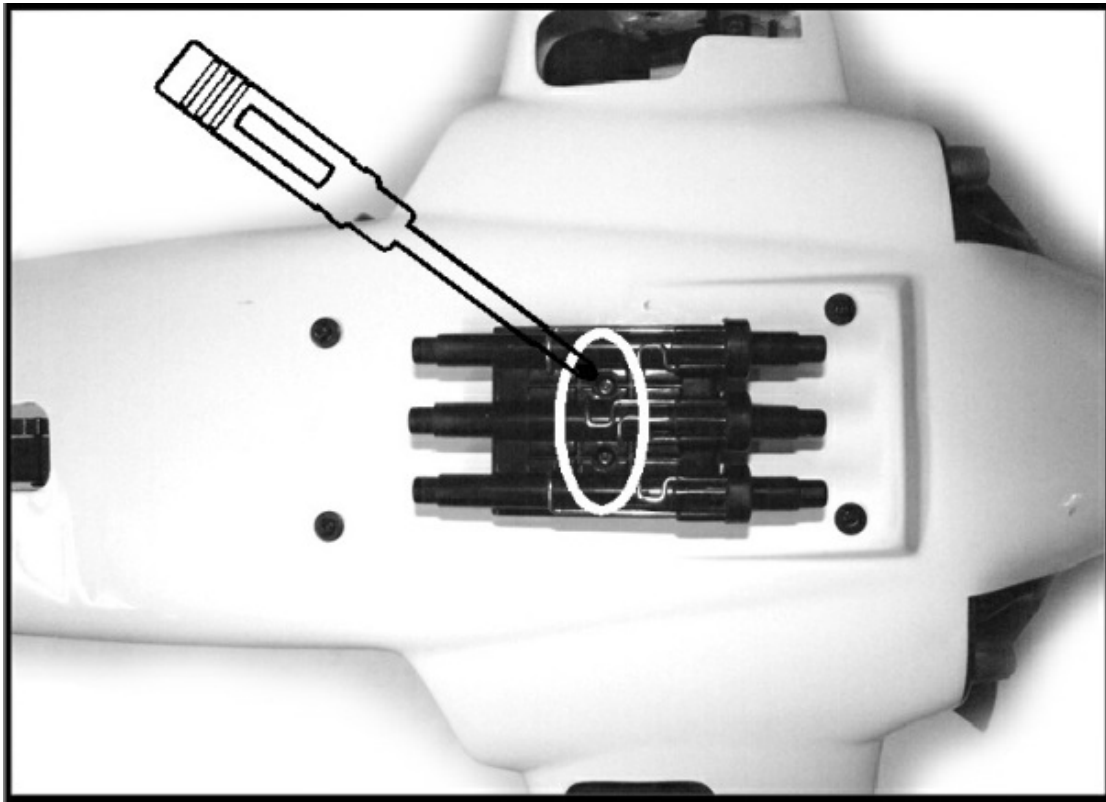


- 4.20. Mount the vertical tail wings with screws.

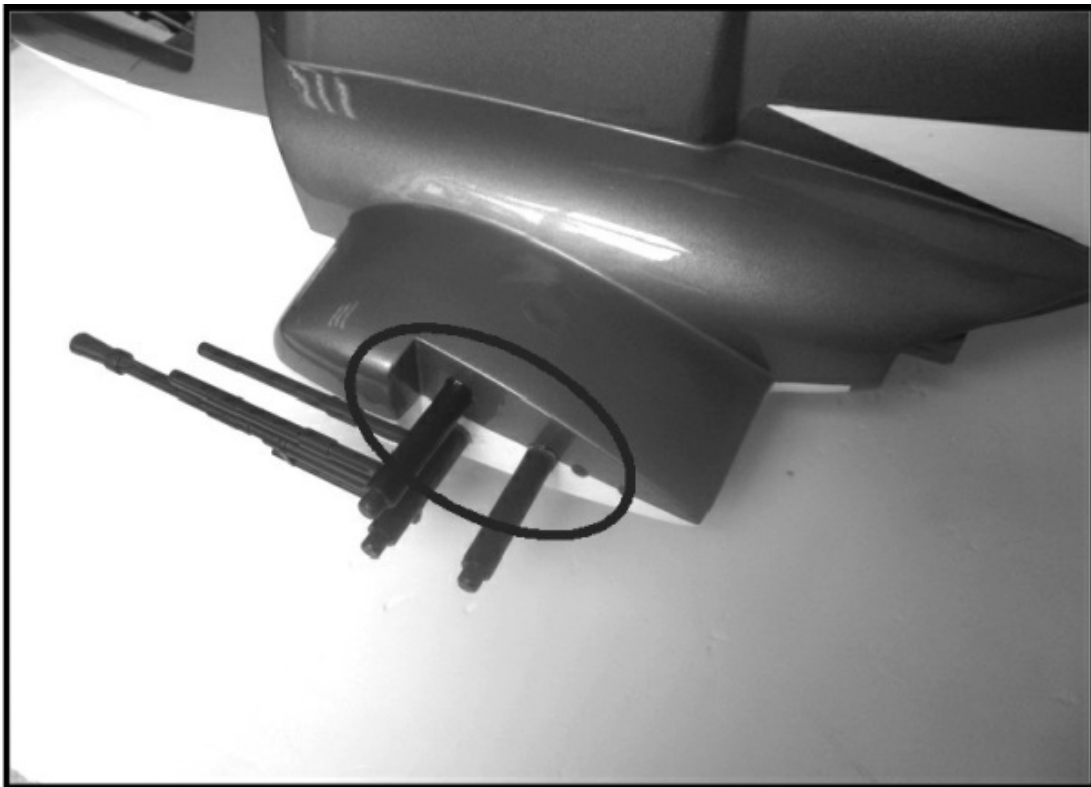


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4.21. Mount the rocket launcher with screws.

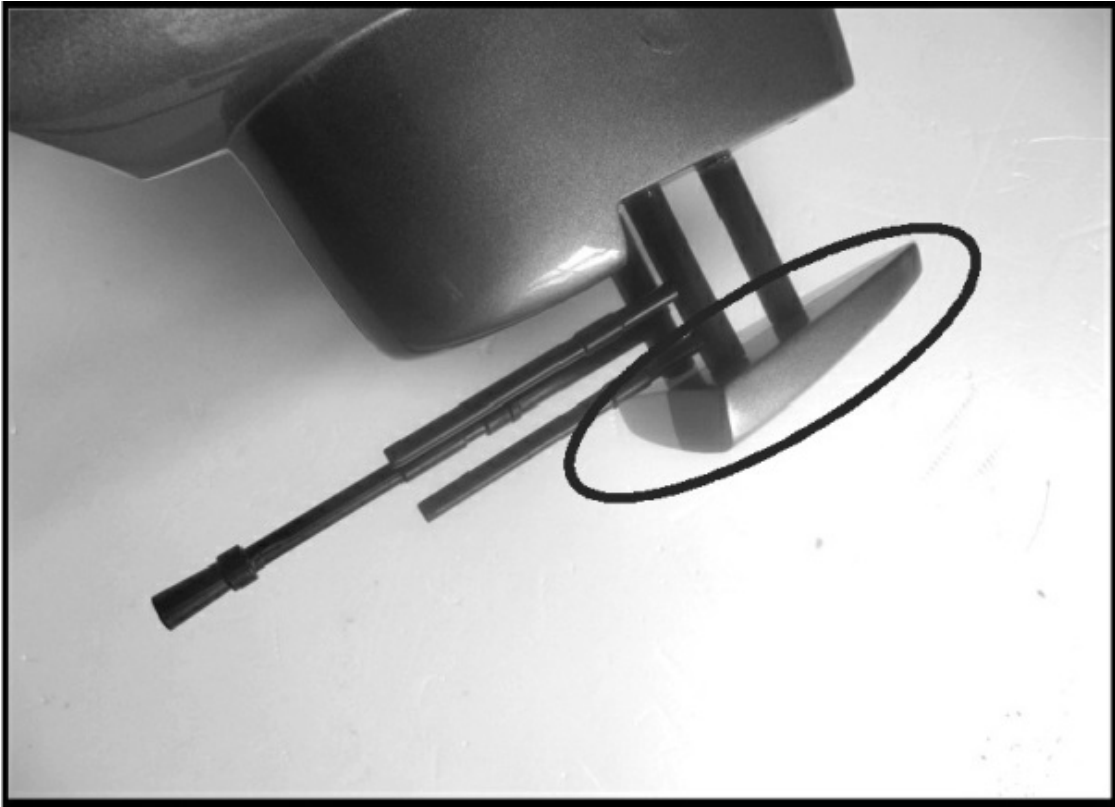


4.22. Glue the machine guns in as shown.

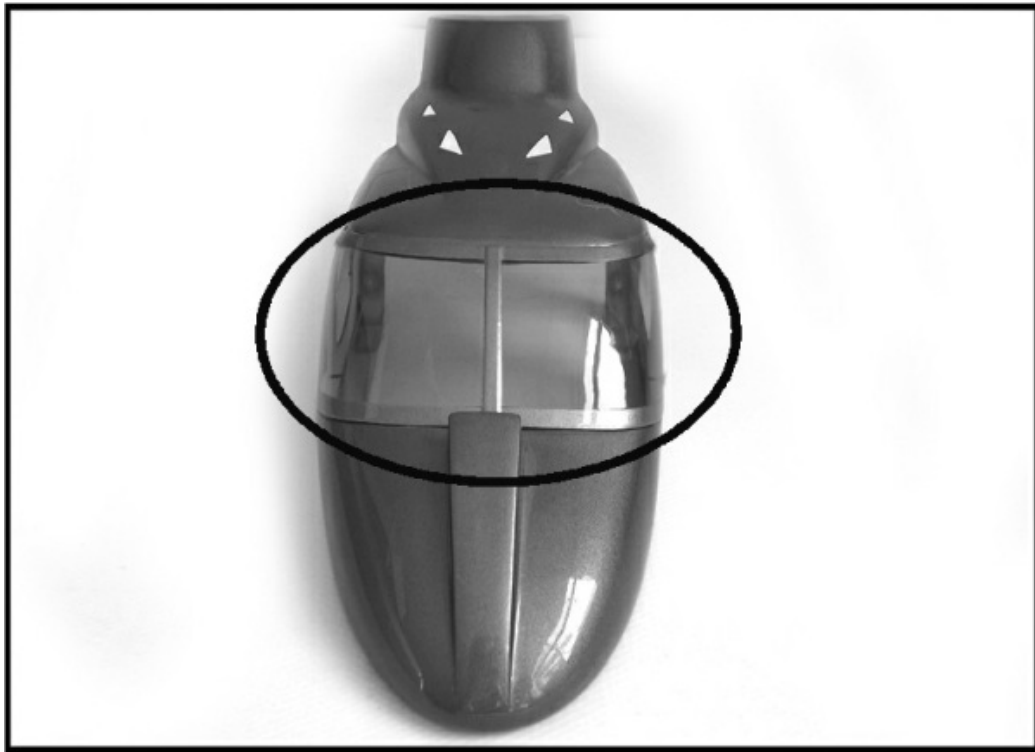


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- 4.23. Glue the end plate in.



- 4.24. Glue the main window in. We recommend to use slow settling yellow glue. Do not attempt installing windows with super glue (cyanoacrylate bases). The fumes the glue produces leave hard to remove white stains on painted surfaces.



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5. SPAREPART LIST

AW500PJ001		500 飞狼前头	500 Airwolf canopy
AW500PJ002		500 飞狼前窗	500 Airwolf front window
AW500PJ003		500 飞狼全套窗	500 Airwolf all window
AW500PJ004		500 飞狼机枪	500 Airwolf side guns
AW500PJ005		500 飞狼尾巴	500 Airwolf tail cap
AW500PJ006		500 飞狼平垂尾	500 Airwolf tail fins
AW500PJ007		500 飞狼导弹	500 Airwolf rocket pod
AW500PJ008		500 飞狼脚架	500 Airwolf landing gear
AW500PJ009		500 飞狼收轮组	500 Airwolf retract hardware
AW500PJ010		500 飞狼固定件	500 Airwolf mounting hardware

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6. FULLY ASSEMBLED FUSELAGE



Specifications:

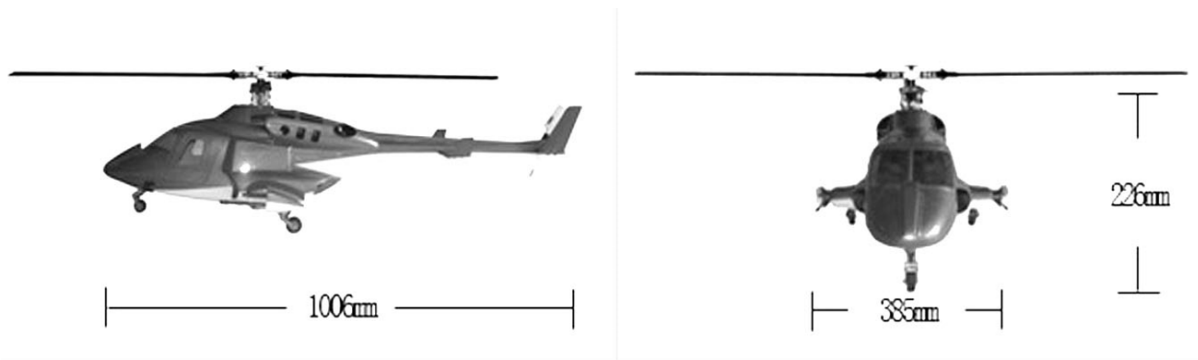
Length: 1006mm

Height: 226mm

Width: 385mm

Weight: 710g

Suitable for Align T-REX 500 ESP/EFL and similar mechanics



We wish you a lot of fun with the fuselage!

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