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Instruction manual

Scale Fuselage Airwolf

600 size



1. INTRODUCTION

Thank you for buying Roban Model products. The 450 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 450 Helicopter series use. You can easily put it on your T-REX 450 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:

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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.

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.

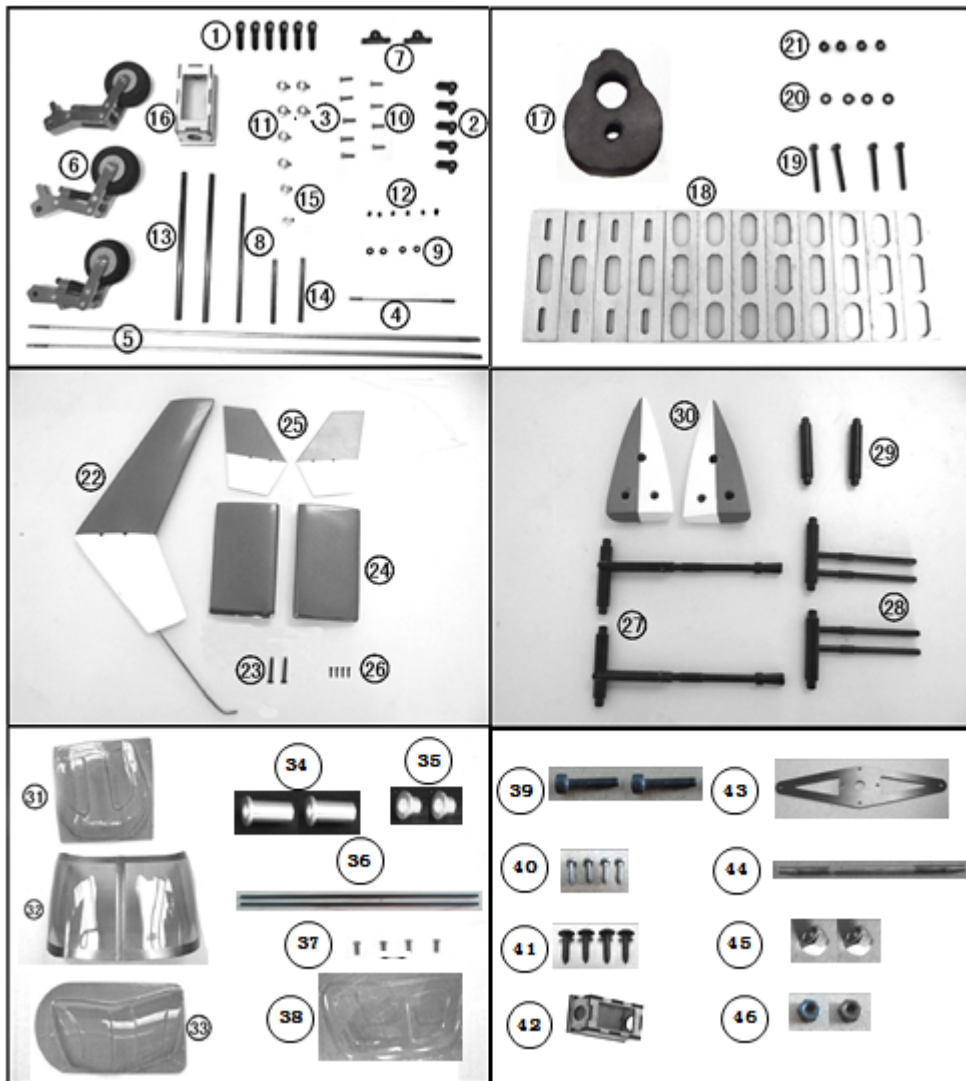
Pilot Responsibility:

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	Servo connector	x6
2	Lever	x5
3	Screw M3x10	x5
4	Lever 2.5x100	x1
5	Not included	
6	Landing gear	x1
7	Shaft block	x2
8	Carbon rod 4x100	x1
9	Nut M3	x4
10	Screw M3x10	x4

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11	Shaft ring 5mm		x4
12	Set screw M3		x4
13	Carbon rod 5x100		x2
14	Carbon rod 4x55		x2
15	Shaft ring 4mm		x2
16	Servo support		x1
17	EVA rubber		x1
18	Washer		x12
19	Screw M3x25		x4
20	Washer M3		x4
21	Nut M3		x4
22	Tail fin		
23	Screw A3x20		x2
24	Tail wing horizontal		x2
25	Tail wing vertical		x2
26	Screw A2x5		x4
27	MG big		x2
28	MG small		x2
29	Connector		x2
30	End piece		x2
31	Top window		x1
32	Front window		x1
33	Bottom window		x1
34	Bushing 5x7x10x14		x2
35	Bushing 5x7x10x5		x2
36	Lever 2.5x65		x1
37	Nut M2.5		x2
38	Nut M3		x2
39	Screw M3x14		x2
40	Screw A2x8		x4
41	Screw A3x12		x4
42	Aft servo holder		x1
43	Servo lever		x1
44	Lever 2.5x65		x2
45	Nut M3		x2
46	Nut M3		x2

REQUIRED TOOLS / CONSUMABLES

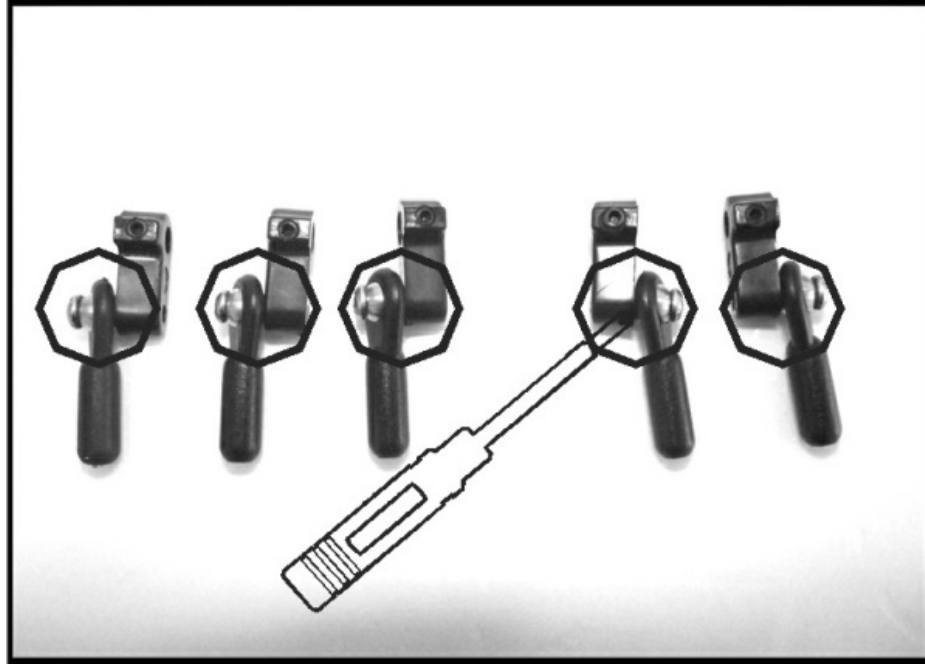
Tool No.	Tool/Consumable
1	Hobby knife
2	Allen screwdriver
3	Phillips screwdriver
4	File
5	Wire pliers
6	Silicon glue (for windows)

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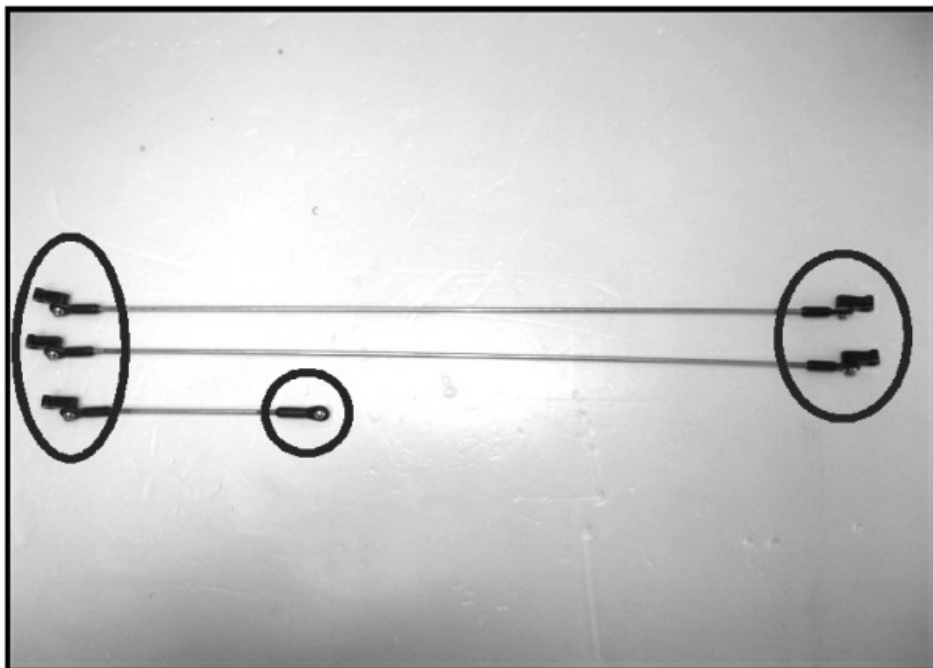
7	Cyanoacrylate glue
8	2K Glue
9	Fine sandpaper
10	Scissors
11	40g servo

4. INSTALLATION

- 4.1. Mount the servo links as shown with screw M2x5 onto the levers

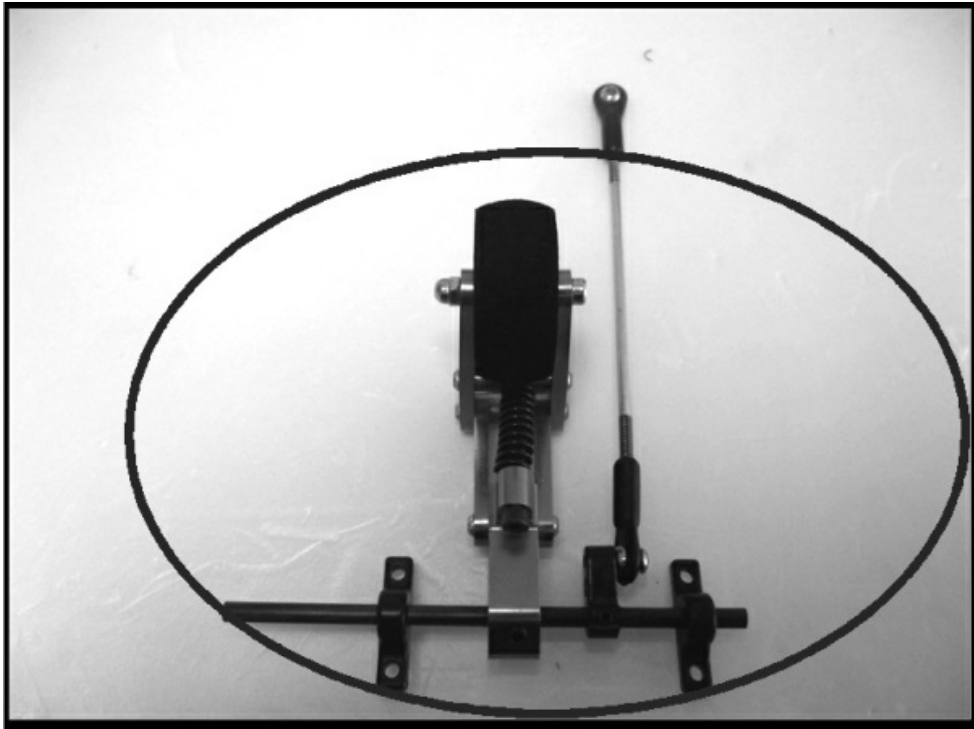


- 4.2. Mount the servo links onto the rods as shown.



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- 4.3. Mount levers, blocks and front landing gear as shown.

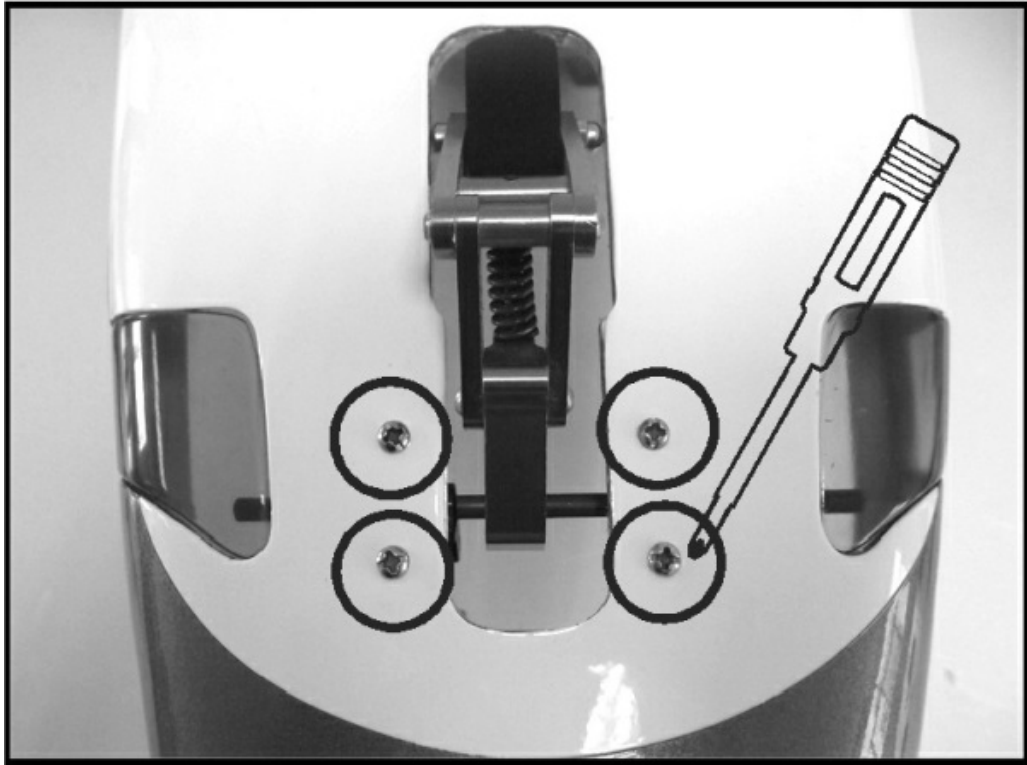


- 4.4. Mount the landing gear as shown inside the fuselage.



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- 4.5. Lock the landing gear assy with nut M3 and screw M3x10 in place as shown.

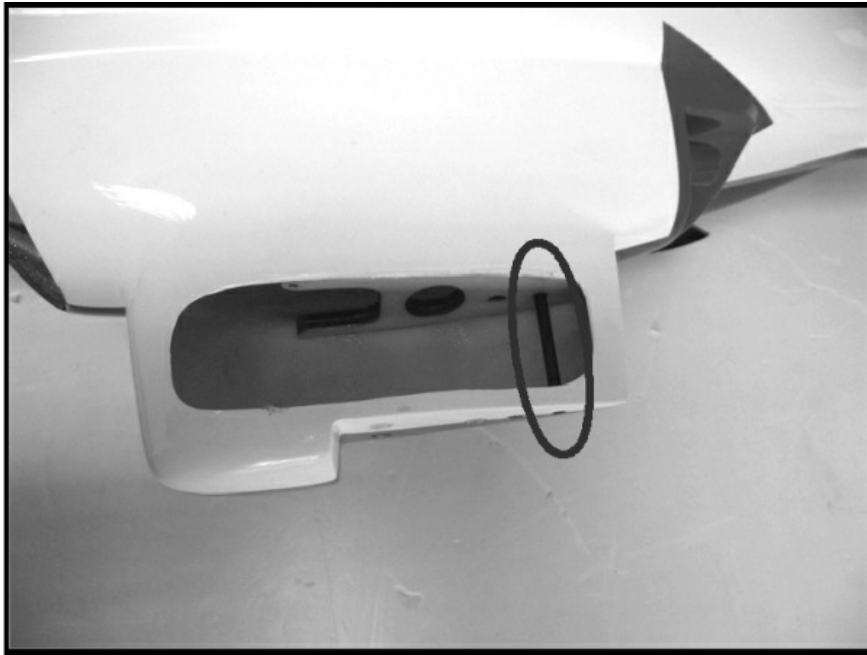


- 4.6. Mount the front servo as shown.

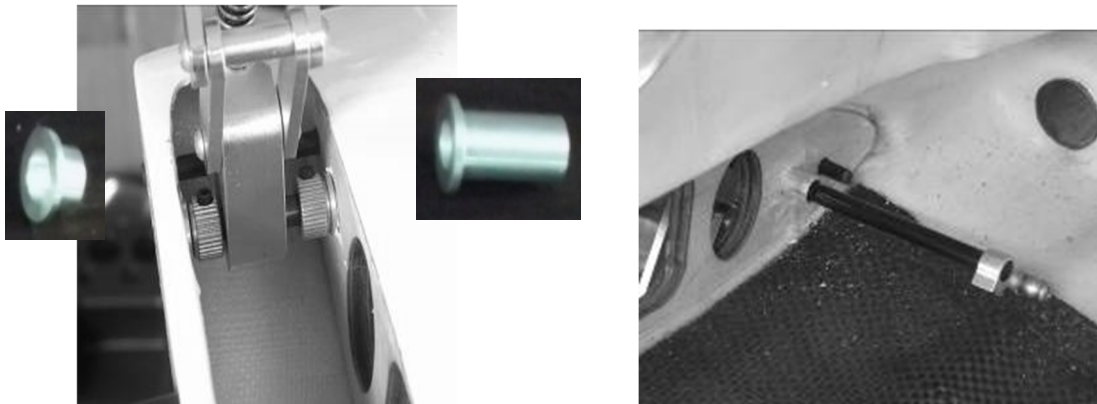


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- 4.7. Insert carbon rods 3x45 as shown.

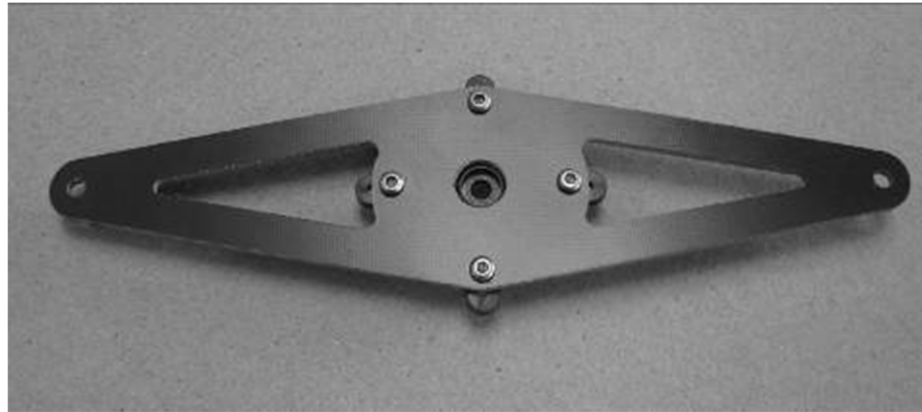


- 4.8. Mount the aft landing gear as shown using the aluminum bushings. Long sleeve inboard, short sleeve outboard. Then install the shaft was shown, using retaining rings and the retract lever.



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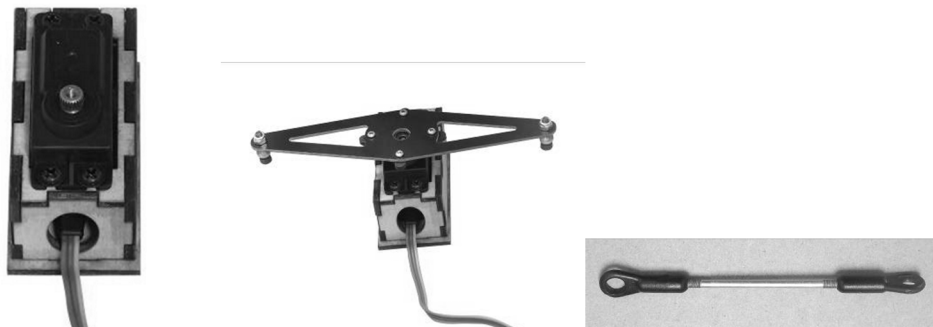
- 4.9. Mount the long lever on top of your servo's cross lever.



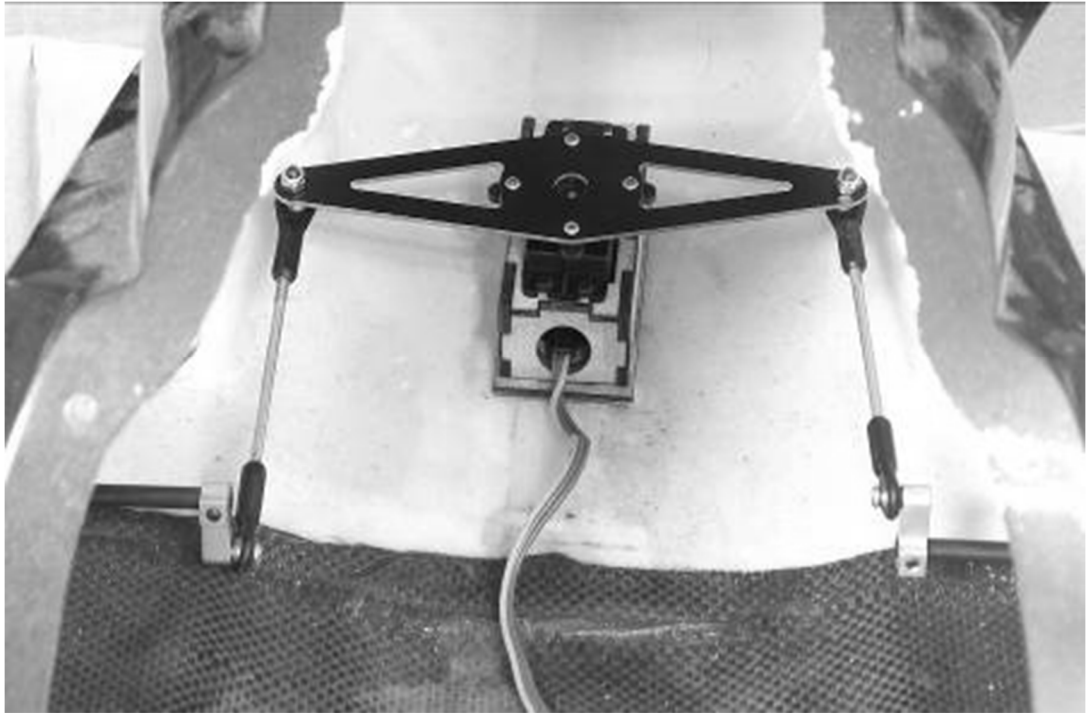
- 4.10. Then mount the ball links as shown using screws and nuts.



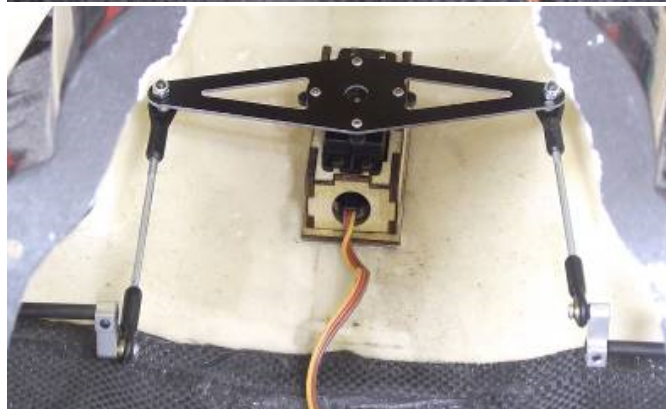
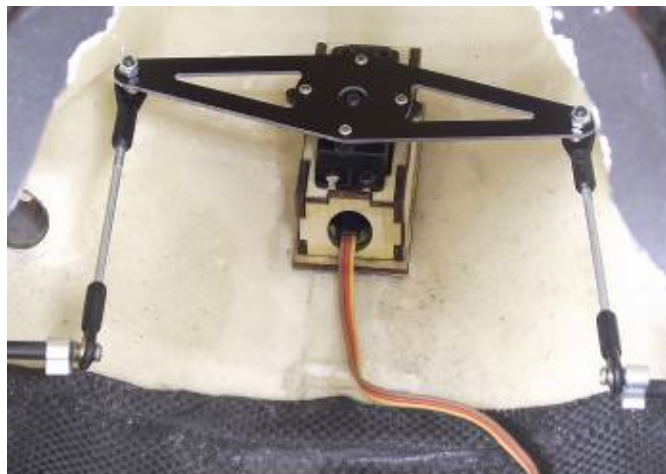
- 4.11. Mount the servo as shown in the wooden frame. Then mount the horn and prepared lever onto the servo. Use the pushrods with the ball link ends to connect the servo lever with the levers on the retract shafts as shown. Do not tighten the screws on the retract shaft levers yet.



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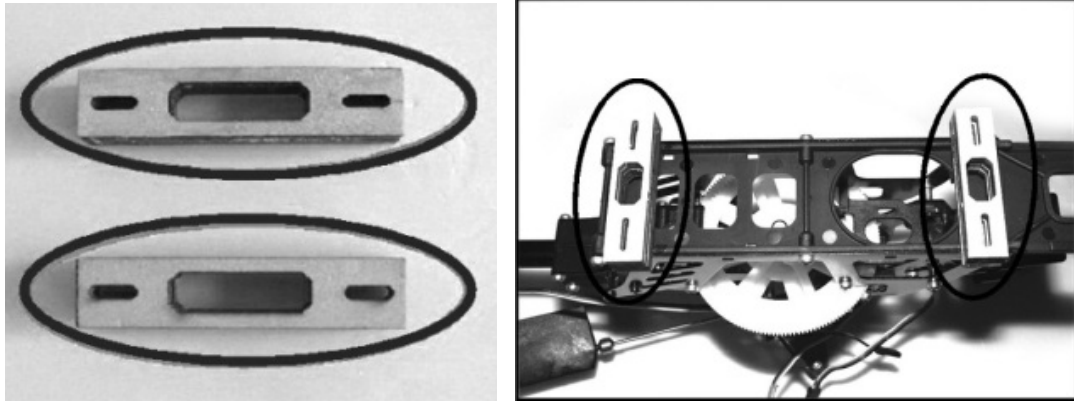


- 4.12. Adjust the shaft levers position so that a full servo cycle will extend and retract the landing gear fully. Once properly adjusted, glue the servo frame into the fuselage. Make sure that you adjust the servo travel limit properly in your radiocontrol!

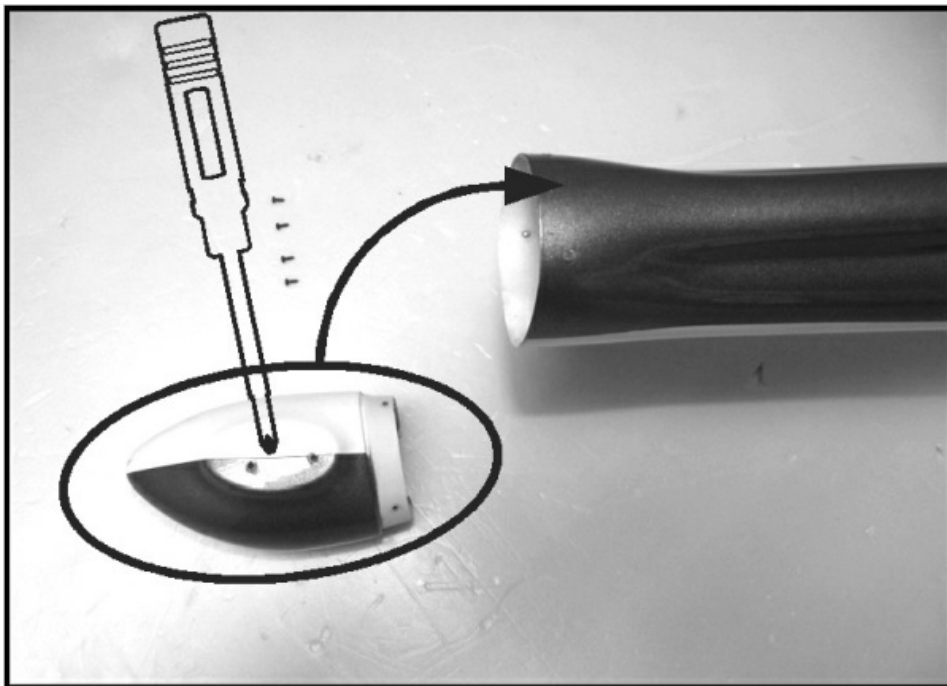


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4.13. Mount the wooden blocks as shown and onto the mechanic.

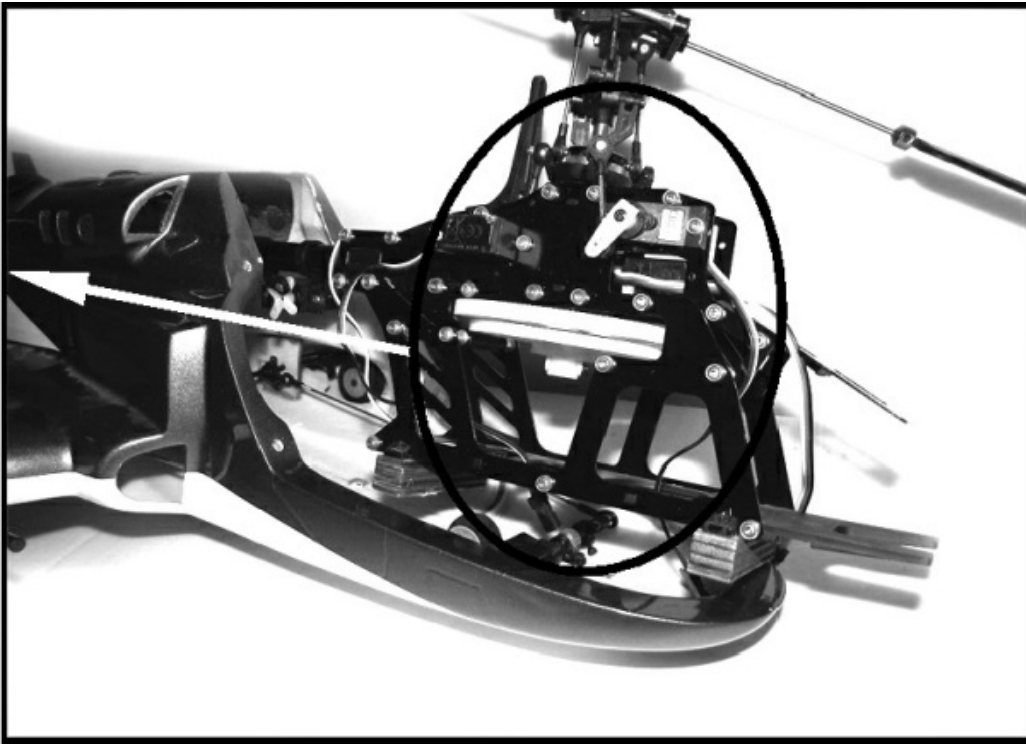


4.14. Remove the tail cap.

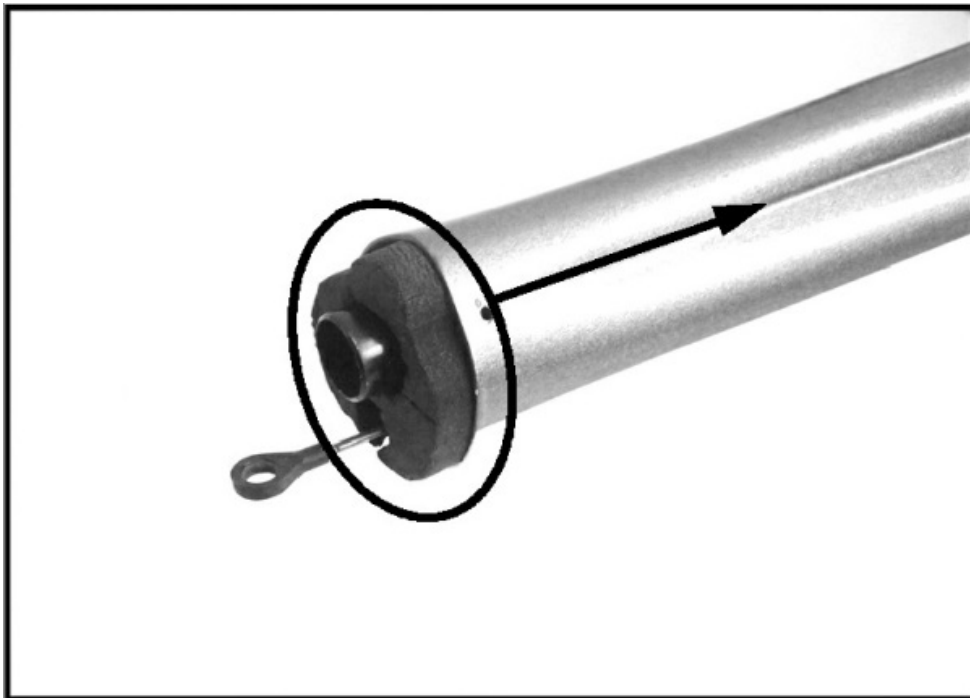


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- 4.15. Insert the mechanic into the fuselage as shown.

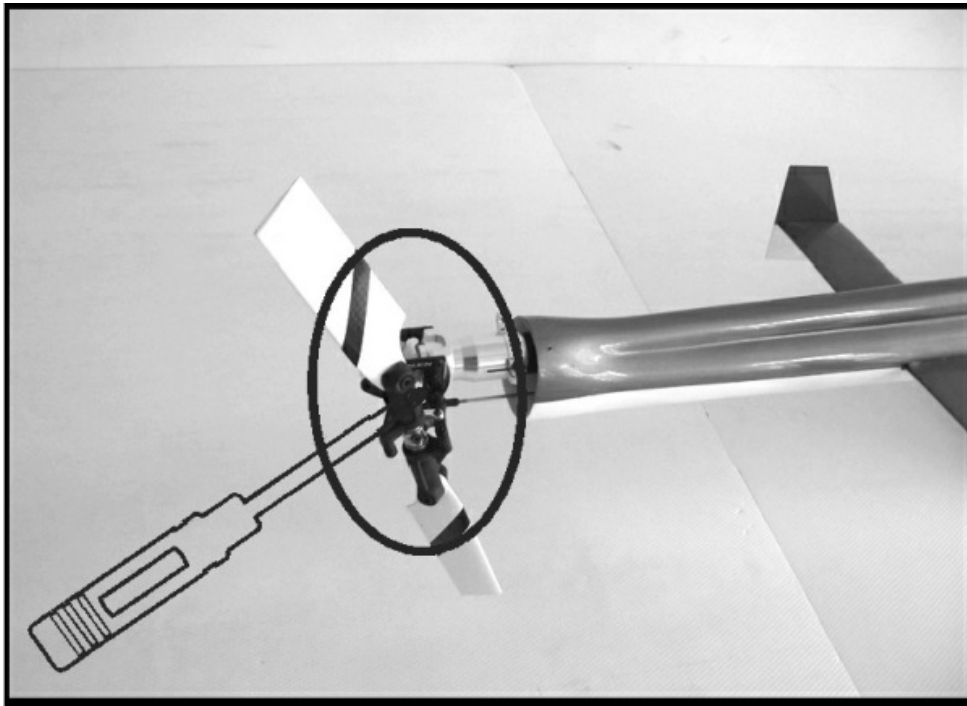


- 4.16. Mount the EVA tail dampener as shown

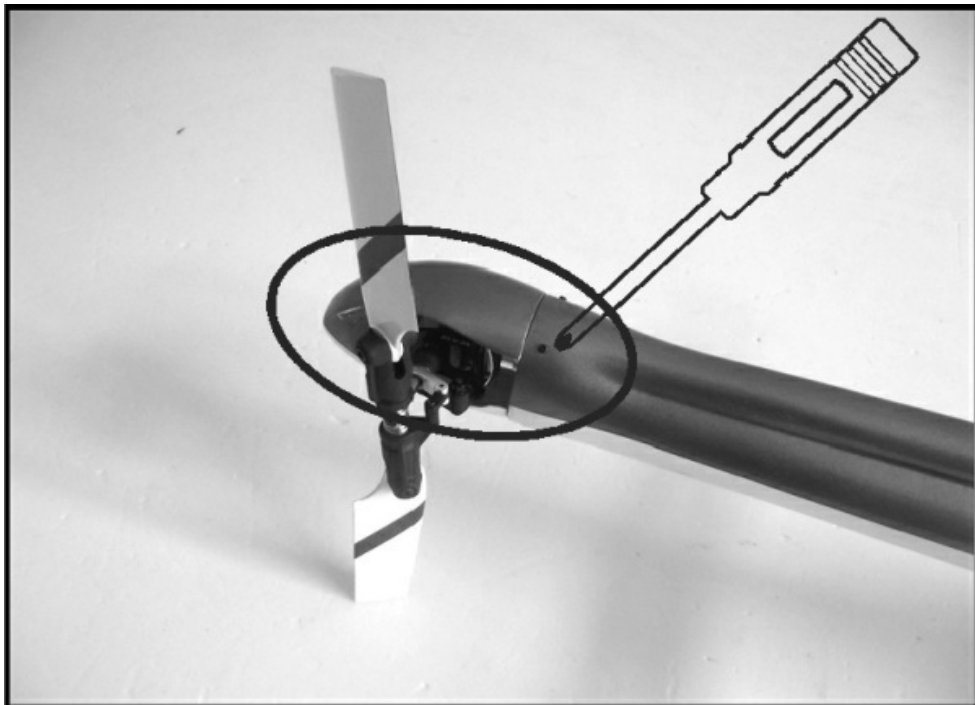


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4.17. Mount the tail rotor.

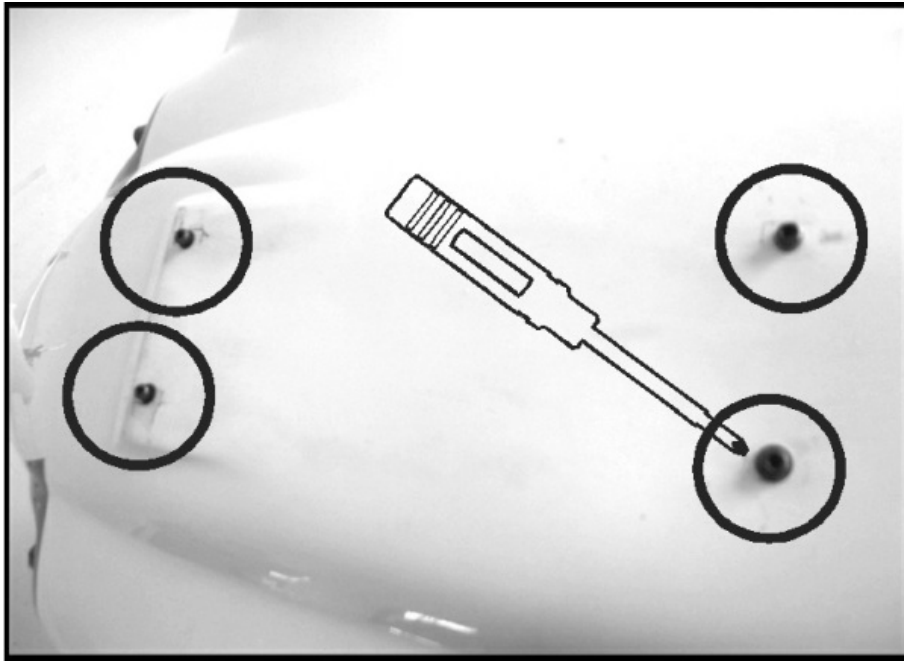


4.18. Mount the tail cap.

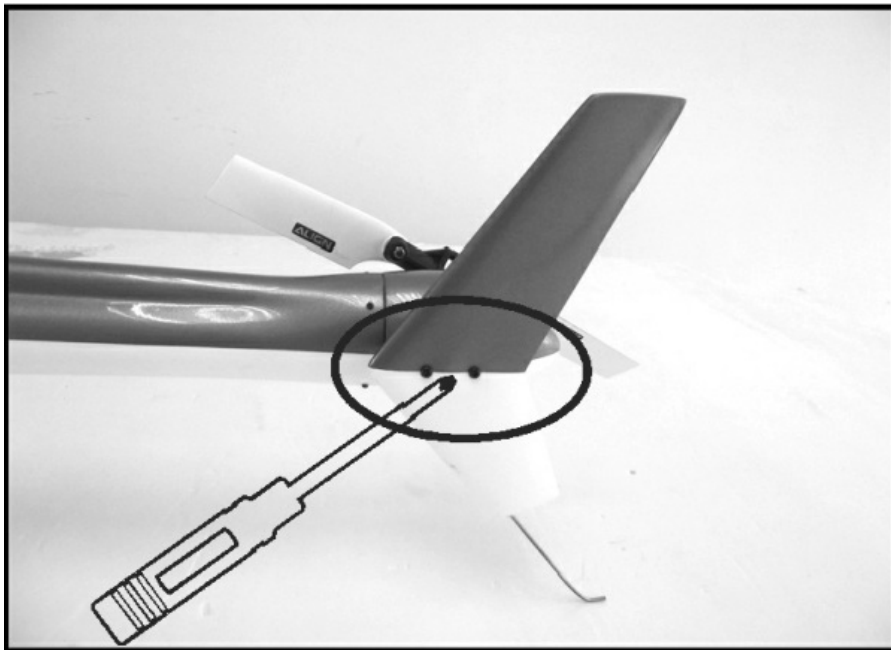


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- 4.19. Lock the mechanics in place using screws M2x20 washers M2.

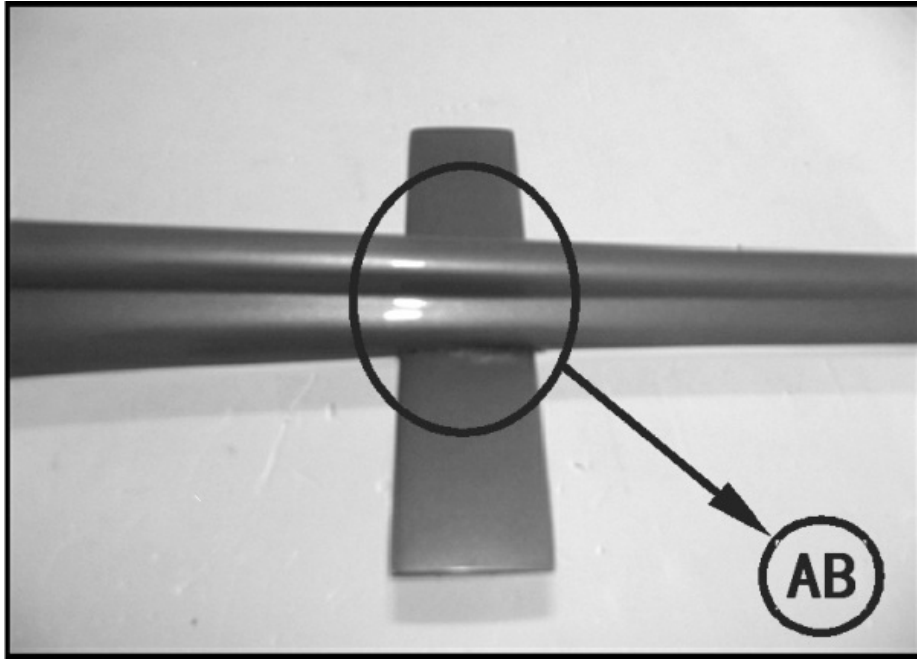


- 4.20. Mount the tail fin as shown.

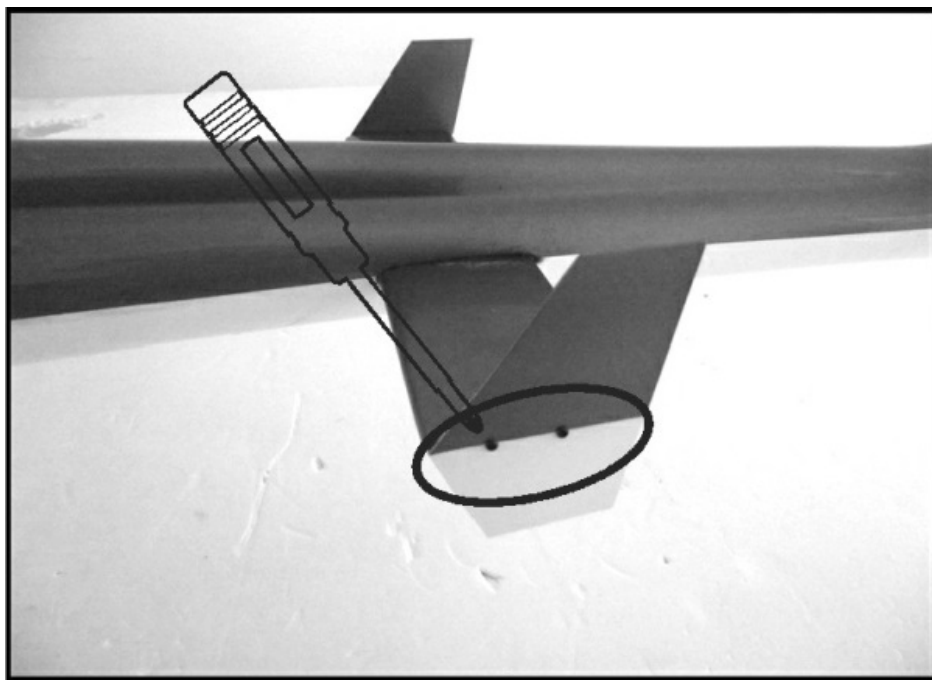


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- 4.21. Glue the tail wings in. This has to be done when everything else is installed. Use tape to to keep the wings at the right angle while the glue is setting. Do this by connecting both tip ends over the top of the boom with two or three strips 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.

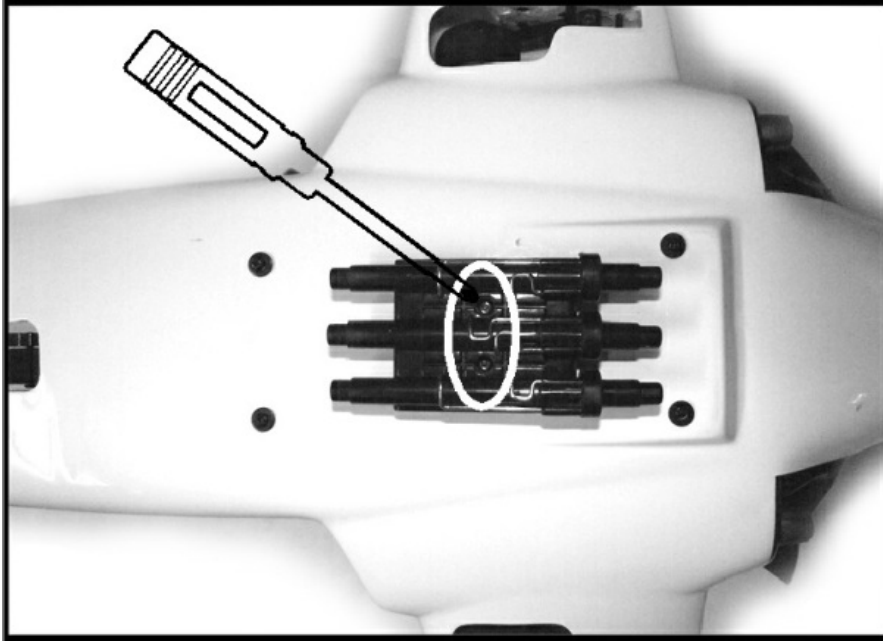


- 4.22. Mount the vertical tail wings with screws.

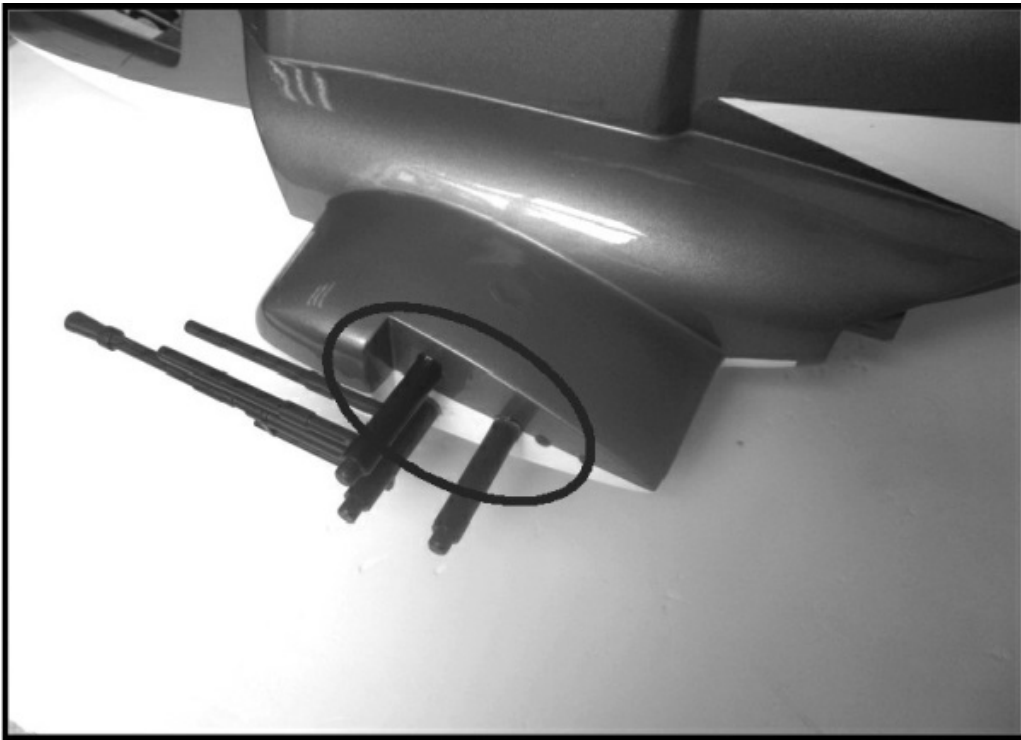


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- 4.23. Mount the rocket launcher with screws.

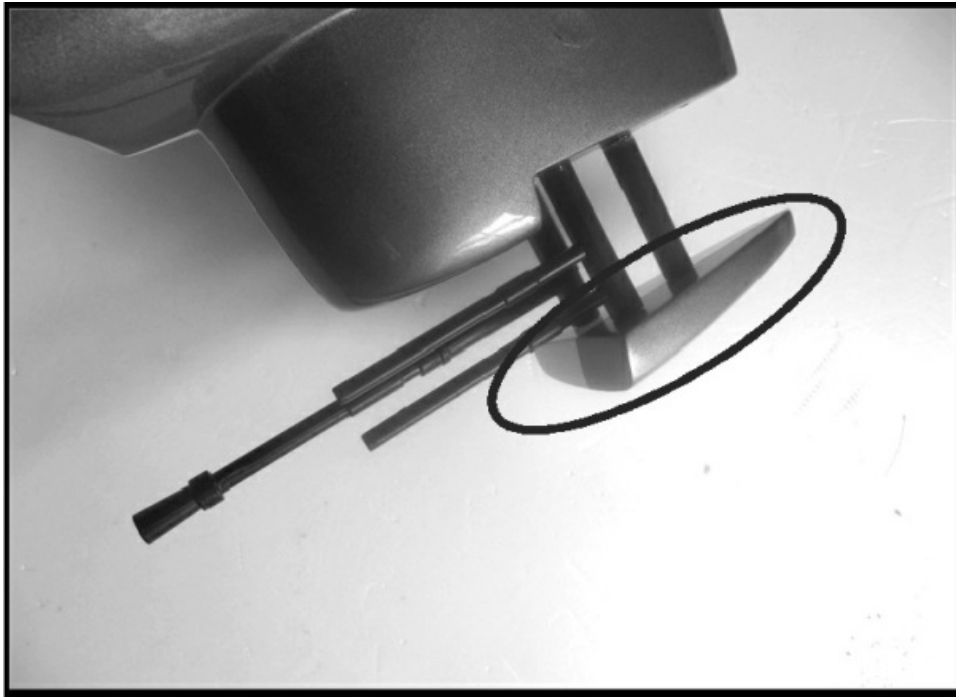


- 4.24. Glue the machine guns in as shown.

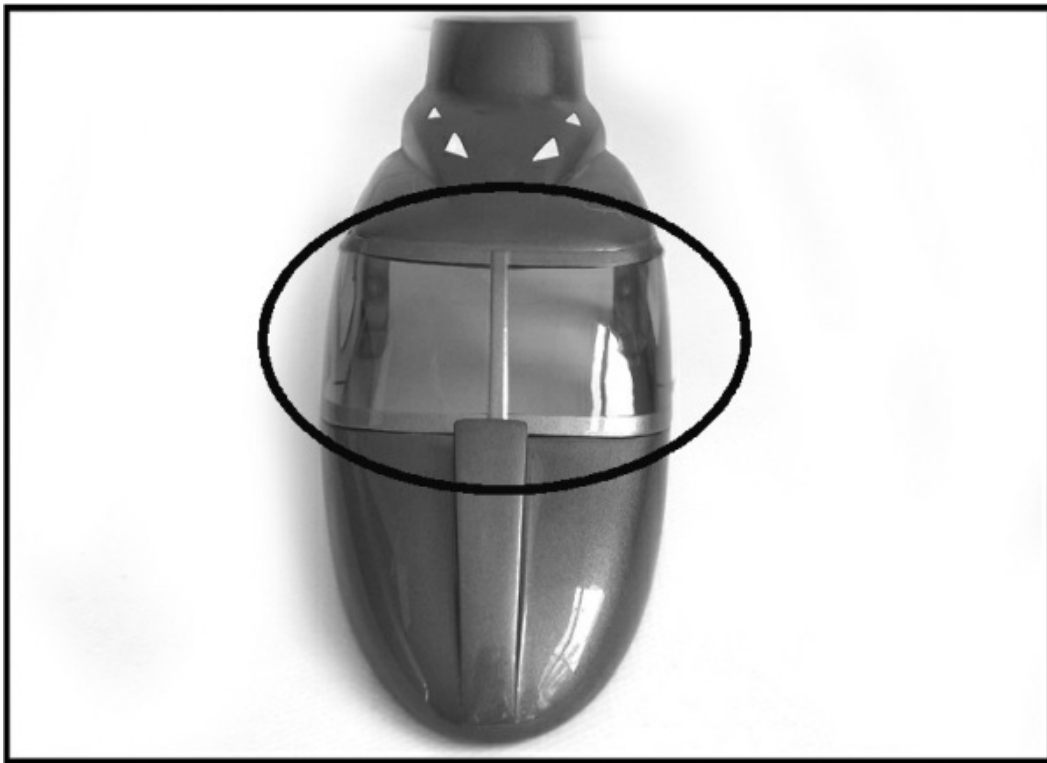


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4.25. Glue in the end piece.

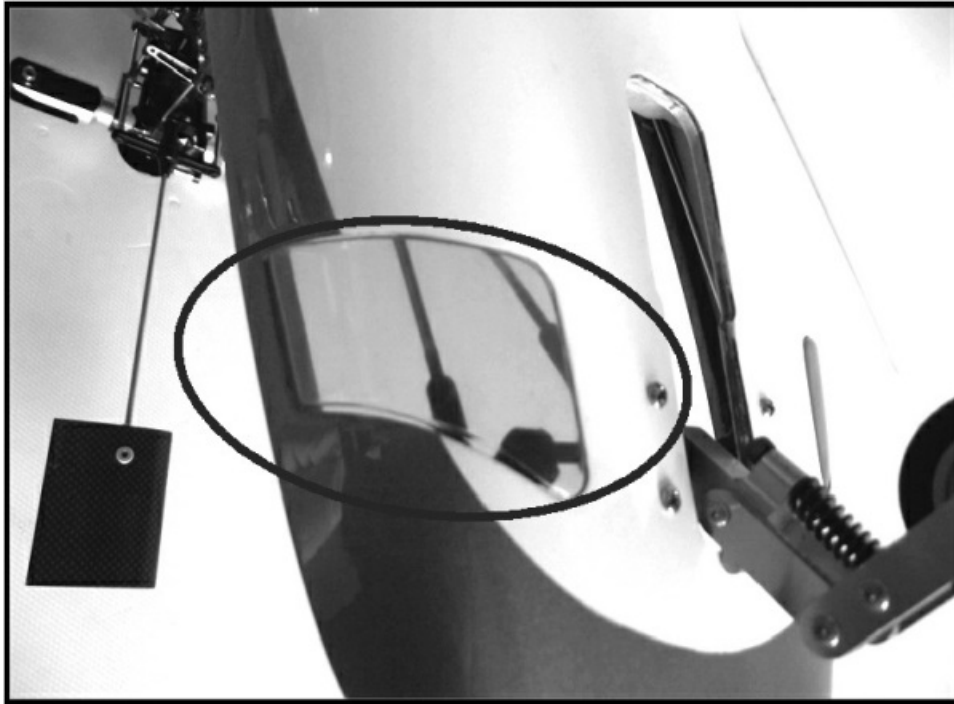


4.26. Glue the main window in. We recommend to use slow settling yellow glue. Do not attempt installing windows with super glue (cyanoacrylate bases). The fumes the glue produces leave hard to remove white stains on painted surfaces.



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4.27. Glue the bottom window in.



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5. SPAREPART LIST

AW600PJ001		600 飞狼前头 含门	600 Airwolf canopy
AW600PJ002		600 飞狼前窗	600 Airwolf front window
AW600PJ003		600 飞狼全套 窗	600 Airwolf all window
AW600PJ004		600 飞狼机枪	600 Airwolf side guns
AW600PJ005		600 飞狼尾巴	600 Airwolf tail cap
AW600PJ006		600 飞狼平垂 尾	600 Airwolf tail fins
AW600PJ007		600 飞狼导弹	600 Airwolf rocket pod
AW600PJ008		600 飞狼脚架	600 Airwolf landing gear
AW600PJ009		600 飞狼收轮 组	600 Airwolf retract hardware
AW600PJ010		600 飞狼固定 件	600 Airwolf mounting hardware
AW600PJ011		600 飞狼座椅 含公仔	600 Airwolf cockpit set

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6. ILLUSTRATION OF READY MOUNTED HELICOPTER



Specifications:

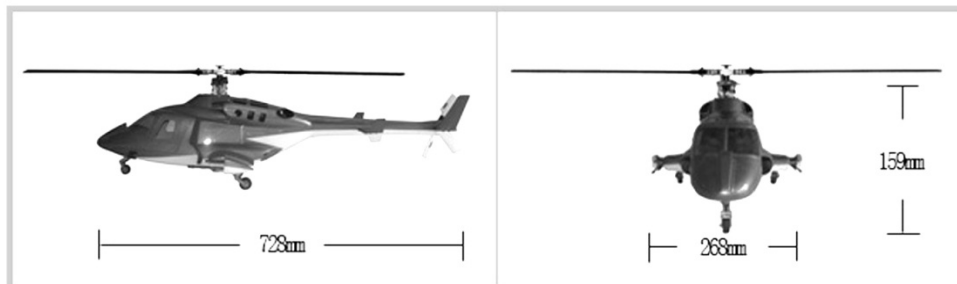
Length: 1006mm

Height: 226mm

Width: 385mm

Weight: 710g

Suitable for Align TREX600ESP und similar mechanics



We wish you a lot of fun with the fuselage!

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