Thank you for buying ALIGN products. Please read this manual carefully before assembling. We recommend that you keep this manual for future reference regarding tuning and maintenance.

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Thank you for buying ALIGN Products. 450 scale fuselage 500E is designed as an easy to use. 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 ALIGN T-REX 450 Helicopter series use. You can easily put it on your T-REX 450 for new clothing.

IMPORTANT NOTES

R/C helicopters are not toys. R/C helicopter utilize various high-tech products and technologies to provide superior performance. Improper use of this product can result in serious injury or even death. Please read this manual carefully before using and make sure to be conscious of your own personal safety and the safety of others. And your environment when operating all ALIGN products.

Manufacturer and seller assume no liability for the operation or the use of this product.

Intended for use only by adults with experience flying remote control helicopters at a legal flying field. After the sale of this product we cannot maintain any control over its operation or usage. After assembling the scale fuselage, the weight will increase and the structure will be more complex, so we recommend not flying 3D to avoid any accident and damage.

R/C products require a certain degree of skill to operate, and is a consumer item. Any damage or dissatisfaction as a result of accidents or modifications are not covered by any warrantee and cannot be returned for repair or replacement. Please contact our distributors for free technical consultation and parts at discounted rates when you experience problems during operation or maintenance.

2.ASSEMBLY ILLUSTRATION

450 scale fuselage 500E, suitable for TREX 450 Helicopter series.

Before Assembling

1. Some basic tools are needed to help the assembly.

2. Some basic tools are needed to help the assembly.

- Check for all the parts in the list come with the manual.
- Some basic tools are needed to help the assembly.
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1. Assemble the fuselage before any other assembly.
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20. Assemble the fuselage before any other assembly.
21. Assemble the fuselage before any other assembly.
3. ASSEMBLY ILLUSTRATION

1.500E Fuselage x 1
2.500E Canopy x 1
3.500E Top window x 2
4.500E Front window x 2
5.500E Rear window x 2
6. Height retainer x 2
7. Front landing skid x 2
8. Rear landing skid x 2
9. Horizontal Stabilizer x 1
10. Tip fin x 2
11. Vertical stabilizer x 1
12. Skid pipe x 2
13. Skid pipe end cap x 2
14. Ball link (Long) x 2
15. 500E Rudder control rod (ø 1.3x300mm) x 1
16. M2 specialty washer x 2
17. Aluminum link x 2
18. Screw (M2x20mm) x 2
19. M2 Washer (ø 2.2x ø 5x0.5mm) x 4
20. Screw (T2x14mm) x 4
21. Screw (T2.8x8mm) x 4

Tool
1. Cutter knife
2. Hexagon screw driver
3. Phillips screw driver
4. File
5. Diagonal cutting pliers
6. Fine sandpaper
7. CA glue
8. AB glue
9. Scissors

4. ASSEMBLY STEPS

1. Fuselage frame
2. Skid pipe

Apply AB glue at the marked position on the landing skid. Then insert to the fuselage and wait until dry.

Insert the skid pipes (two pieces) into the front and rear landing skids as illustration.

3. Use a knife to cut the protruding part and sandpaper to make it smooth.

4. Screws
   - Ø 2.2x Ø 5x0.5mm
   - Height retainer T2x14mm

Remove the landing skid of T-Rex450 helicopter and fix the height retainer on T-REX bottom plate with screws T2x14 and M2 washers.

Note: Please refer to the diagram for assembly steps.
5. Remove the tail boom brace, horizontal and vertical stabilizers, and tail case (L/R).

6. Install a tail servo on the tail boom as illustration and switch to 500E attached special rudder control rod Ø1.3x300mm.

7. Assemble the helicopter into the fuselage and re-install tail rotor assembly step by step. Then assemble the vertical stabilizer as illustration.

8. Apply some CA glue on the joints of horizontal stabilizer and tip fins and keep them vertical. Apply some CA glue on the joints of vertical stabilizer and horizontal stabilizer and keep in horizontal.

9. Adjust the fixing position of the height retainer and keep the center lines of the tail boom and the fuselage at the same level.

10. After Step 9, adjust the fixing position of the height retainer and make the main rotor head assembly at the center line of the fuselage. Note to keep 5mm gap between the anti-rotation bracket and the fuselage.

Adjust the fixing position of the height retainer and keep the center lines of the tail boom and the fuselage at the same level.

After Step 9, adjust the fixing position of the height retainer and make the main rotor head assembly at the center line of the fuselage. Note to keep 5mm gap between the anti-rotation bracket and the fuselage.
After the adjustment, fix the height retainer and the fuselage frame with screws T2.3x8mm. 
(NOTE: Use a screw driver through the top window to fix the rear height retainers.)

Apply some CA glue or AB glue on the canopy as illustration.

Assemble the front and rear windows on the fuselage as illustration (Recommend not assembling the rear windows to increase the airflow efficiency.)

Complete illustration
Before flying, please carefully check every part again to make sure all parts are firmly secured without any interference.
Specifications & Equipment:
Length: 685mm
Height: 327mm
Width: 162mm
Weight: 305g

Suitable for ALIGN T-REX450 series
適合ALIGN T-REX 450 機型

亞拓電器股份有限公司
ALIGN CORPORATION LIMITED
MADE IN TAIWAN
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