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

進入遙控世界之前必須告訴您許多相關的知識與注意事項，以確保您能夠在學習的過程中較得心應手。在開始操作之前，請務必詳閱本說明書，相信一定能夠給您帶來相當大的幫助，也請您妥善保管這本說明書，以作為日後參考。

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1. PREPARATION BEFORE ASSEMBLY 組裝前準備事項

AH-1 scale fuselage, suitable for TREX 500 Helicopter series. 本AH-1模型機殼，適用於T-REX500遙控直升機系列。

Before Assembling
1. Check for all the parts in the list come with the manual. 2. Some basic tools are needed to help the assembly.

組裝前準備事項
1. 組裝之前請先確認內容物是否有缺失，仔細詳閱後方可進行組裝。
2. 組裝過程需要一些簡單的工具協助組裝。

Tool 自備工具

1. Cutter knife 1. 菜刀
2. Hexagon screw driver 2. 六角起子
3. Phillips screw driver 3. 十字起子
4. File 4. 鈍刀
5. Diagonal cutting pliers 5. 剪刀
6. Fine sandpaper 6. 細砂紙
7. CA glue 7. 螺固膠
8. AB glue 8. AB膠
9. Scissors 9. 剪刀

1. PREPARATION BEFORE ASSEMBLY

- Fiberglass main frames (R/L) x 2
- Tail boom (Ø 15x16x152mm) x 1
- Torque tube (154mm) x 1
- Linkage rod (B) (Ø 2x180mm) x 1
- Plate x 1
- Torque tube drive gear assembly x 1
- Angled tail transmission assembly x 1
- Tail rotor control arm x 1
- Linkage ball A (T7.6x3.5) x 2
- Collar screw x 1
- Ball link x 4
- Washer (Ø 2xØ 3.6xØ 0.5mm) x 2

2. EQUIPMENT REQUIRED FOR ASSEMBLY

- Torque tube (467mm)
- Tail boom (Ø 15x16x461mm)
- Rudder control rod (Ø 1.96x406mm)
- Main drive gear set
- Bottom bracket
- Battery mount
- Tail servo mount
- Tail boom mount assembly
- Tail Rotor Holder
- Carbon fiber blade x2
- Carbon fiber tail blade x2
- Metal bearing holder x2
- Receiver mount
- Canopy spacer x2
- Frames mounting block
- Anti rotation bracket
- 3GX Flybarless system
- GP790 Herd Lock Gyro
- Motor
- Servo DS510 x3
- Servo DS520 x1
- ESC
- Battery
Please exchange the frames into the T-REX 500 fuselage glass frames included in the package.

When tightening a screw to a plastic part, please tighten it firmly, but not over tightened, or they will strip.

If any part is already assembled by factory, please check again if screws are firmly secured and applied with some glue.

Apply a little amount of T43 thread lock when fixing a metal part.

Recommend sanding the marked position with a waterproof abrasive paper (#800~1000) as below illustration to avoid the wires of electric parts to be cut.
**500HT8**

- **Socket button head screw**
  半圓頭內六角自攻螺絲
  (M2.5×5mm) x 2

- **Washer**
  尋司 φ6x φ6.8x0.6mm

- **Hexagonal bolt**
  六角脝柱

- **Drive gear**
  鈕傳動小齒輪

- **Torque tube drive gear assembly**
  鈕傳動扭力導軸部

- **Bearing**
  相承 φ4x φ5.8x0.6mm

- **Tail boom mount (R)**
  尾boom座右翼(白)

- **Long umbrella gear**
  傘端部長面 φ18.5x φ8x25.4mm

**CAUTION 注意**

When tightening a screw to a plastic part, please tighten it firmly, but not over tightened, or they will strip.

For original manufactory package, if the product is already assembled by Factory, please check again if screws are firmly secured and applied with some glue.

Apply a little amount of T43 thread lock when fixing a metal part.

螺絲附於金屬件時使用清潔T43(螺絲膠)

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**500HT8**

- **Bearing**
  相承 φ4x φ9x4mm x 2

- **Socket button head self tapping screw**
  半圓頭內六角自攻螺絲
  (M2.5×5mm) x 5

- **Tight boom**
  防尾管 152mm

- **Bearing**
  相承 φ8x φ12x2.5mm x 2

- **Plate (R)**
  尾轆片(右)
  φ16x3x24mm

- **Plate (L)**
  尾轆片(左)
  φ10x73x24mm

- **Tail rotor shaft assembly**
  尾螺旋槳主軸

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4
When assembling into the tail boom, please apply some oil on the surface, to make it smooth during the assembling and keep it vertical with the torque tube for smooth rotation.

Improper assembly for angled tail transmission assembly will affect the smoothness and life time of the umbrella gear. Please always check if the umbrella gear is worn or deformed regularly and replace any damaged parts.

Apply a little amount of T43 thread lock when fixing a metal part.

Rudder control rod (B) Approx. 199mm x 1

Rudder control rod (A) Approx. 425mm x 1

Linkage ball A (T2.6x3.5) φ4.7x5.18mm x 2
Electric equipment illustration

Please make sure everything is working properly before you start fuselage assembly.
**Step 1.**

Attach cockpit and antenna to canopy.  
Please use (5 minutes) epoxy to glue the cockpit and antenna to canopy as shown.

**Step 2.**

Slide the landing gear through fuselage and fasten with M3x14mm socket screw. Then assemble the joint and aluminum tube.

**500HF2**

- M3 Washer M3 垫片 X4
- φ3xφ8x1mm
- Socket screw 螺釘內八角螺絲(M3x14mm) x 4

**Step 3.**

Attach the stub wing, weapon pylons, and other accessories to the fuselage as shown.
Step 4. 步骤4

Please disassemble the parts of T-REX 500 that indicated from 1 to 3 before putting the main frame into the scale fuselage for easier assembly.

Disassemble the original T-REX 500 main blades
拆解原T-REX 500主旋翼

Take out the tail boom 拆出尾管

Step 5. 步骤5

Insert the T-REX 500 into the fuselage.
将T-REX 500装入机身上。
3. ASSEMBLY SECTION 組裝步驟

Step 6: 步驟6
Slide the tail boom assembly into the fuselage, and install rudder control bell crank.

Step 7: 步驟7
Fix the helicopter inside the fuselage.

500HF2
- Socket screw 直徑內六角螺絲(M2x10mm) x 4
- Washer 碟形(0.2xφ6.06mm) x 4

Step 8: 步驟8
After tightening the angled tail transmission, install the rear cover.

- Self-tapping screw 圓頭十字自攻螺絲(T1.7x6mm)
- Rear cover 機身後蓋
- Fuselage 機身
3. ASSEMBLY SECTION  組裝步驟

Step 9: 步驟9

1. Assemble the main blades back to main rotor head set.
2. Fix the battery into the fuselage, and attach the canopy.

Complete illustration. 組立完成圖

Before flying, please carefully check every part again to make sure all parts are firmly secured without any interference.

請再詳細檢查各部位是否確實鎖緊與固定，並確定無干涉情形後才可以飛行。
Specifications / 規格配備:
Length/機身長: 1125mm
Height/機身高: 244mm
Width/機身寬: 330mm
Weight/空機重: 1180g

Suitable for T-REX 500
適用於 T-REX 500 機型