

760 F3C FUSELAGE

ALIGN

INSTRUCTION MANUAL

使用說明書



Suitable for
T-REX 700X & 760X

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INTRODUCTION

前言

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Thank you for buying ALIGN Products. 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.

感謝您選購亞拓產品，請您詳細的閱讀完這本說明書之後再進行組裝以及操作這台直昇機，同時請您妥善的保存這本說明書、作為日後進行調整以及維修的參考。

IMPORTANT NOTES 重要聲明

We recommend that you obtain the assistance of an experienced pilot before attempting to fly our products for the first time. A local expert is the best way to properly assemble, setup, and fly your model for the first time. The requires 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. As Align Corporation Limited has no control over use, setup, final assembly, modification or misuse, no liability shall be assumed nor accepted for any resulting damage or injury. By the act of use, setup or assembly, the user accepts all resulting liability.

模型商品屬於需高操作技術且為消耗性之商品，如經拆裝使用後，會造成不等情況零件損耗，任何使用情況所造成商品不良或不滿意，將無法於保固條件內更換新品或退貨，如遇有使用操作維修問題，本公司全省分公司或代理商將提供技術指導、特價零件供應服務。對使用者的不當使用、設定、組裝、修改、或操作不良所造成的破損或傷害，本公司無法控制及負責。任何使用、設定、組裝、修改、或操作不良所造成的破損、意外或傷害，使用者應承擔全部責任。

CAUTION 注意

- Fly only in safe areas, away from other people. Do not operate R/C aircraft within the vicinity of homes or crowds of people. R/C aircraft are prone to accidents, failures, and crashes due to a variety of reasons including, lack of maintenance, pilot error, and radio interference. Pilots are responsible for their actions and damage or injury occurring during the operation or as of a result of R/C aircraft models.
- Prior to every flight, carefully check rotorhead spindle shaft screws and tail blade grip screws, linkage balls and screws, ensure they are firmly secured.
- 遙控模型飛機、直昇機屬高危險性商品，飛行時務必遠離人群，人為組裝不當或機件損壞、電子控制設備不良，以及操控上的不熟悉，都有可能導致飛行失控損傷等不可預期的意外，請飛行者務必注意飛行安全，並需了解自負疏忽所造成任何意外之責任。
- 每趟飛行前須仔細檢查，主旋翼夾座橫軸螺絲、尾旋翼夾座螺絲，以及機身各部位球頭、螺絲，確實上膠鎖緊才能升空飛行。

DESIGN FEATURES

設計特點

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New 760 F3C Fuselage applies aerospace data operations featuring with the low wind resistance aerodynamic lines, while stabilizing the helicopter during F3C flight routines and advancing the great performance of T-Rex 700E F3C even higher, achieving total dominance in class P and F of F3C. Custom designed floating fuselage mounting system effectively reduce helicopter vibration and minimize resonance effect; The light weight fiberglass and carbon fiber construction weights only 520g, maintaining the optimal power to weight ratio of the helicopter; Colorful paint scheme enhance the streamline profile, in countless ingenuity create a different F3C fuselage which is worthy of unique you.

Unique quick release design of the front fuselage for battery access with removal of just 2 screws. The classic magnetite on the edge of the fuselage can be attracted to each other firmly make the assembly easy.

全新設計760 F3C機殼運用航太數據的運算，打造超低風阻的流線外型，讓靜態科目更為穩定及絕佳的航道表現，能完全勝任F3C P科與F科世界賽標準科目；特別設計的機殼懸浮固定方式，有效避免直昇機的震動與共振的產生；由玻璃纖維與碳纖維材質製成機殼，重量輕量化，可以保有原直昇機最佳的動力表現。亮麗彩繪圖騰提升了整機流線輪廓，再無數細節巧思下創造與眾不同的F3C機殼，才配得上與眾不同的你。

前機頭罩採用兩顆螺絲快拆設計，僅需卸下兩側單顆螺絲即可快速取下前機頭罩，換裝電池更方便簡單。機殼下方採用兩顆高級磁石，能夠輕鬆吸附兩側交接處，再組裝上更輕易簡單。

STANDARD EQUIPMENT

標準配備

ALIGN

760 F3C Fuselage, suitable for T-REX 700X & 760X helicopter series.

760 F3C機殼，適用於T-REX 700X及760X 遙控直昇機系列。

Before Assembling:

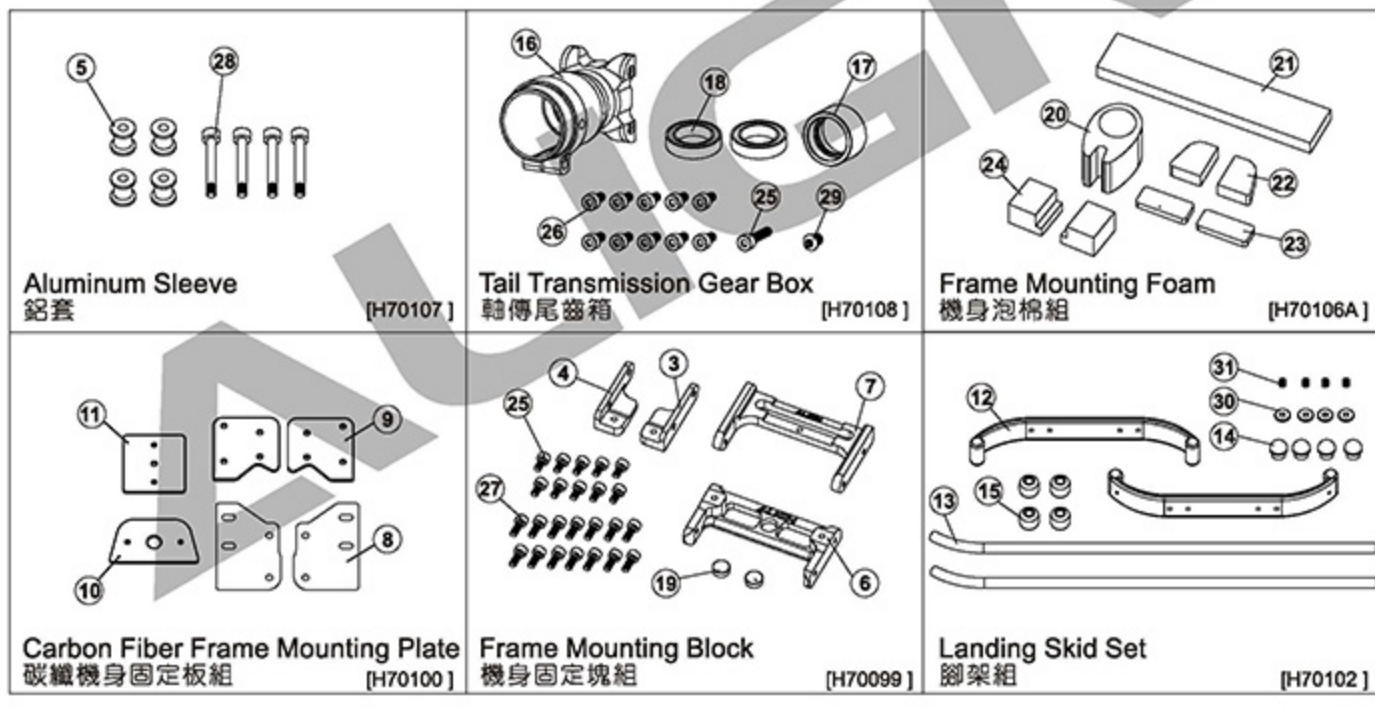
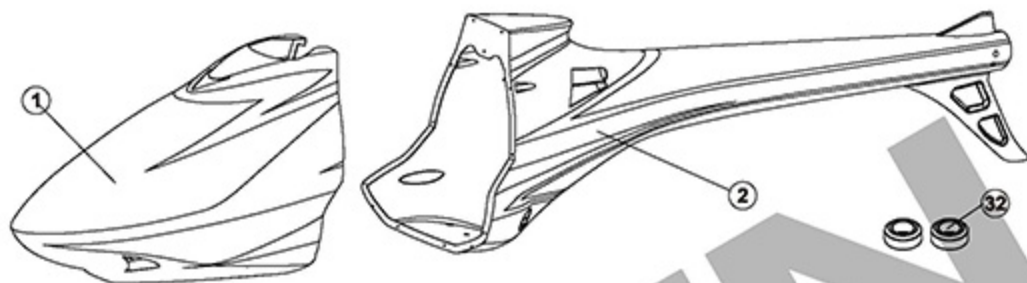
1. Take inventory of all parts to ensure no missing pieces.

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

組裝前準備事項：

1. 組裝之前請先確定內容物是否有缺失，仔細詳對後方可進行組裝。

2. 組裝過程裡需要一些簡單的工具協助組裝。



- | | | | |
|---|---|------------------|------------------------------|
| 1. Front Fuselage x 1 | 17. Bushing x 1 | 1. 前機身殼 x 1 | 17. 600 軸傳尾齒箱襯套 x 1 |
| 2. Rear Fuselage x 1 | 18. Bearing x 1 | 2. 後機身殼 x 1 | 18. 軸承 x 2 |
| 3. Rear Left Mounting Block x 1 | 19. Magnet x 2 | 3. 左後機身固定塊 x 1 | 19. 磁鐵 x 2 |
| 4. Rear Right Mounting Block x 1 | 20. Tailboom Mounting Foam x 1 | 4. 右後機身固定塊 x 1 | 20. 尾管固定泡棉 x 1 |
| 5. Aluminum Sleeve x 4 | 21. Tailboom Anti-vibration Foam x 1 | 5. 鋁套 x 4 | 21. 尾管防震泡棉 x 1 |
| 6. Front Body Mounting Block x 1 | 22. Front Frame Anti-vibration Foam x 2 | 6. 前機身固定塊 x 1 | 22. 前機身防震泡棉 x 2 |
| 7. Rear Body Mounting Block x 1 | 23. Rear Frame Anti-vibration Foam x 2 | 7. 後機身固定塊 x 1 | 23. 後機身防震泡棉 x 2 |
| 8. Front Reinforcement Plate x 2 | 24. Fuselage Foam x 2 | 8. 前補強片 x 2 | 24. 機殼泡棉 x 2 |
| 9. Rear Reinforcement Plate x 2 | 25. Socket Screw (M3x14mm) x 1 | 9. 後補強片 x 2 | 25. M3x14mm 圓頭內六角螺絲 x 1 |
| 10. Front Anti-vibration Mounting Plate x 1 | 26. Socket Screw (M3x6mm) x 10 | 10. 前機身防震固定板 x 1 | 26. M3x6mm 圓頭內六角螺絲 x 10 |
| 11. Rear Anti-vibration Mounting Plate x 1 | 27. Socket Screw (M3x8mm) x 14 | 11. 後機身防震固定板 x 1 | 27. M3x8mm 圓頭內六角螺絲 x 14 |
| 12. Landing Skid x 2 | 28. Socket Collar Screw (M3x22mm) x 4 | 12. 腳架 x 2 | 28. M3x22mm 圓頭內六角軸套螺絲 x 4 |
| 13. Skid Pipe x 2 | 29. Socket Button Head Screw (M4x5mm) x 1 | 13. 腳架鋁管 x 2 | 29. M4x5mm 圓頭內六角螺絲 x 1 |
| 14. Skid Pipe End Cap x 4 | 30. M3 Washer (φ 8x φ 3x1mm) x 4 | 14. 腳架鋁管保護套 x 4 | 30. M3 華司 (φ 8x φ 3x1mm) x 4 |
| 15. Landing Skid Spacer x 4 | 31. M3 Set Screw (M3x4mm) x 4 | 15. 腳架墊圈 x 4 | 31. M3 止洩螺絲 (M3x4mm) x 4 |
| 16. Metal Tail Unit x 1 | 32. Damper Rubber 90° x 2 | 16. 軸傳尾齒箱 x 1 | 32. 橫軸墊圈 90° x 2 |

EQUIPMENT REQUIRED FOR ASSEMBLY

自備設備

ALIGN



[RH76E01AT]

Optional Equipment
選購品

T-REX 760X Dominator Helicopter

T-REX 760X Dominator 直昇機



[RH70E23XT]

Optional Equipment
選購品

T-REX 700X Dominator Helicopter

T-REX 700X Dominator 直昇機



[H76T001XX]

760 Upgrade Tail Assembly

760尾部改裝套件

Tool 自備工具

- 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

- 1、美工刀
- 2、六角起子
- 3、十字起子
- 4、銼刀
- 5、斜口鉗

- 6、細砂紙
- 7、瞬間膠
- 8、AB膠
- 9、剪刀

ASSEMBLY SECTION

組裝步驟

ALIGN

STEP 1. 步驟 1

Remove the landing skid and canopy mounting bolt. Then switch 760X 3D main rotor holder arm to 760X F3C main rotor holder arm to enhance flight stability firmly.

先將腳架、機頭罩固定柱拆除，若機身使用760X 3D主旋翼夾座臂，建議請更換為760X F3C主旋翼夾座臂可增加飛行穩定性。



CAUTION
注意

760X F3C Main Rotor Holder Arm 760X F3C主旋翼夾座臂

The new 760X F3C main rotor holder arm, effectively doubling the flight stability, and the excellent fine control accuracy; not only in the static flight has more advantages in the dynamic flight also has more outstanding control feeling.

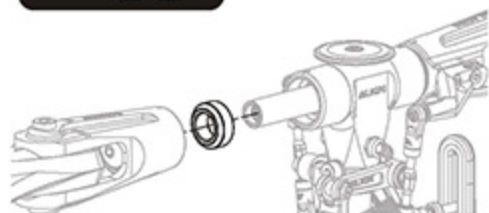
全新的760X F3C主旋翼夾座臂，有效加倍飛行穩定性能，與絕佳細膩的控制精準度，不僅在靜態飛行有更加優勢，在動態飛行上也有更優異的操控手感。



[H76H002XXW]
760X F3C Main Rotor Holder Arm
760X F3C主旋翼夾座臂

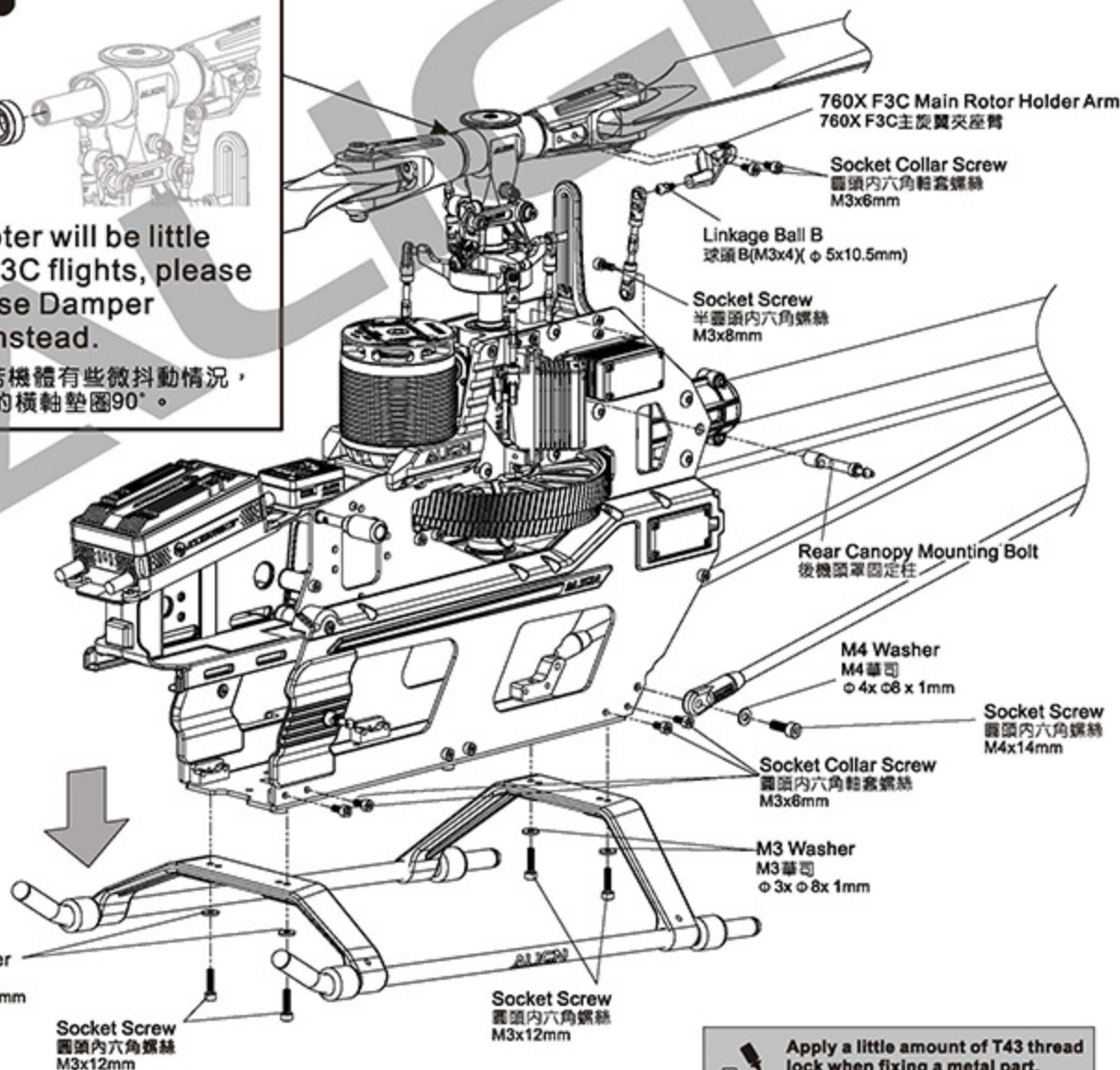


CAUTION
注意



If the helicopter will be little wobbled in F3C flights, please switch and use Damper Rubber 90° instead.

在F3C飛行時，若機體有些微抖動情況，建議可更換較軟的橫軸墊圈90°。



Apply a little amount of T43 thread lock when fixing a metal part.
螺絲鎖附於金屬件請使用適量T43(螺絲膠)。

ASSEMBLY SECTION

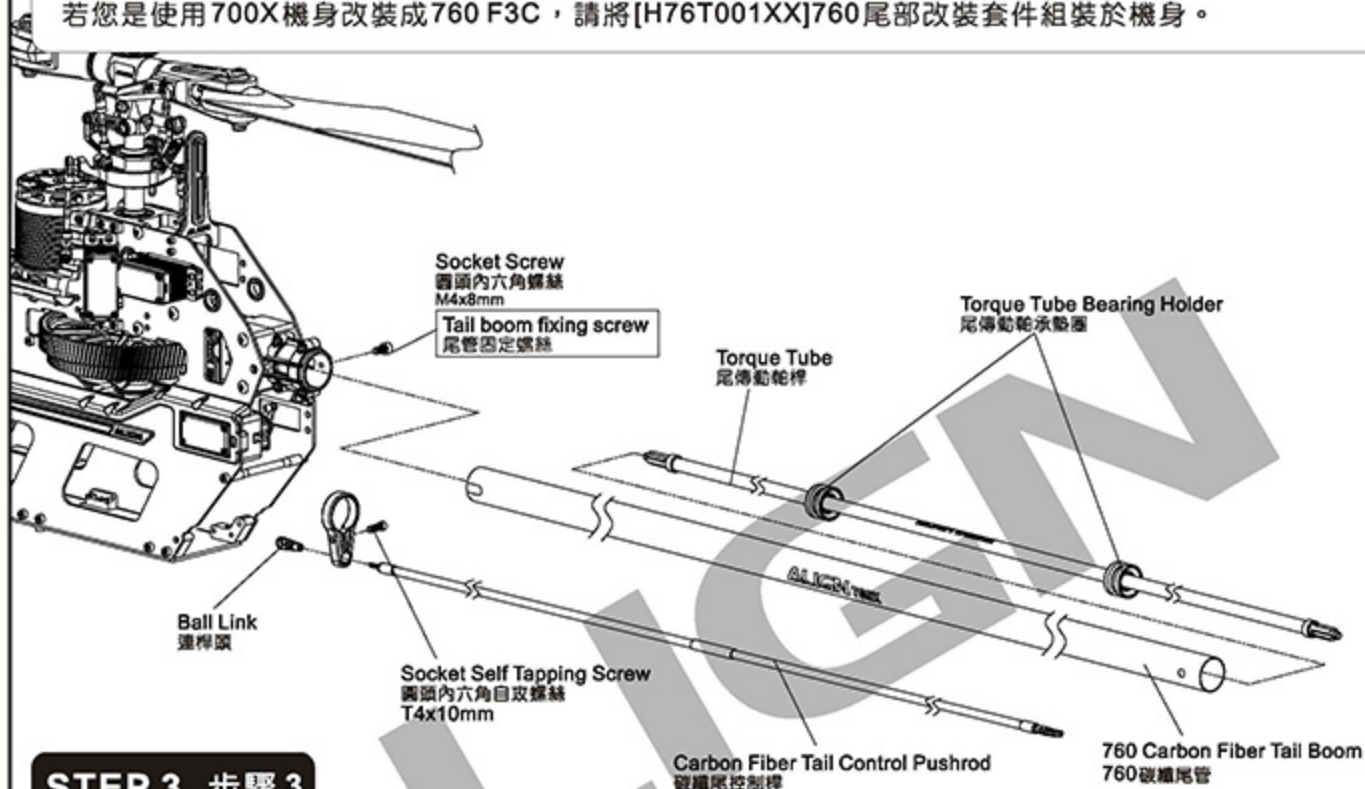
組裝步驟

ALIGN

STEP 2. 步驟 2

For T-REX 700X user, please upgrade to T-REX 760 F3C heli by replacing and assembling the 760 Upgrade Tail Assembly [H76T001XX] on the heli.

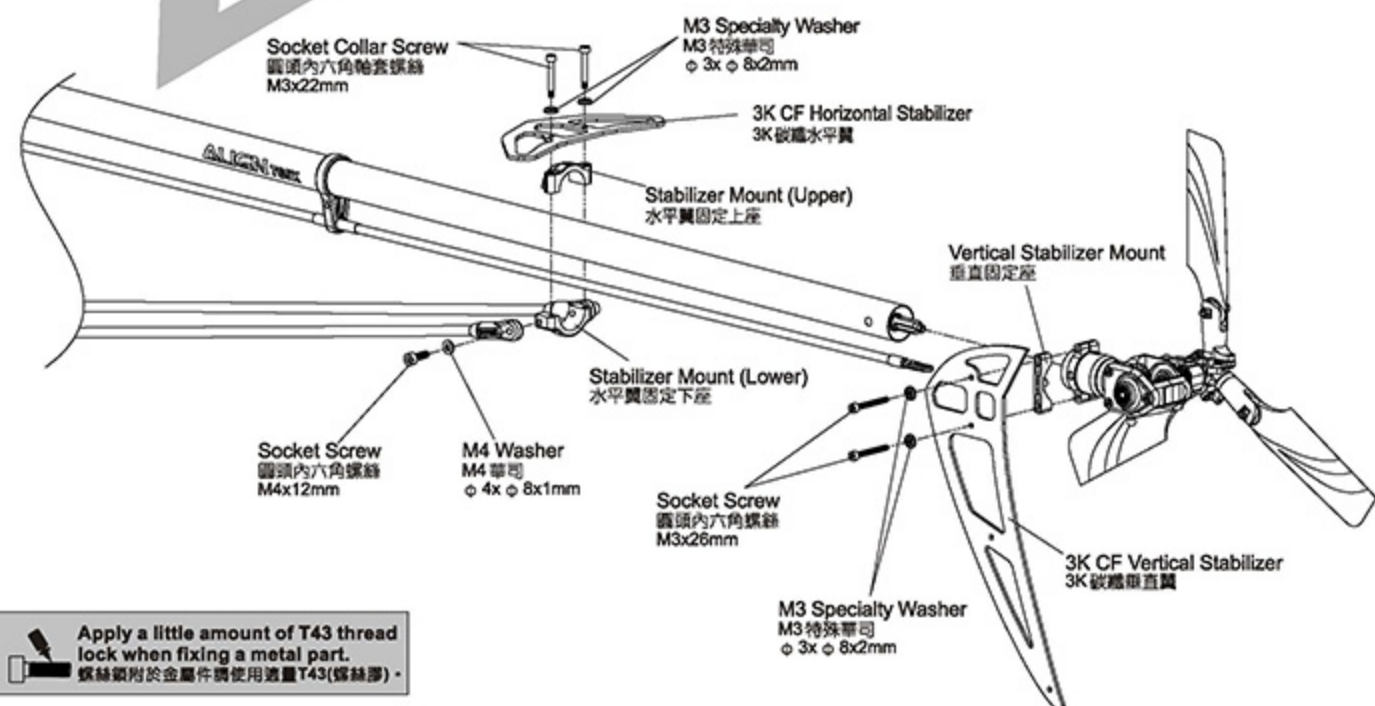
若您是使用700X機身改裝成760 F3C，請將[H76T001XX]760尾部改裝套件組裝於機身。



STEP 3. 步驟 3

Remove stabilizer mount, vertical stabilizer and tail spare parts.

將水平翼、垂直翼及尾部部分零件拆除。



Apply a little amount of T43 thread lock when fixing a metal part.
螺絲鎖附於金屬件時使用適量T43(螺絲膠)。

ASSEMBLY SECTION

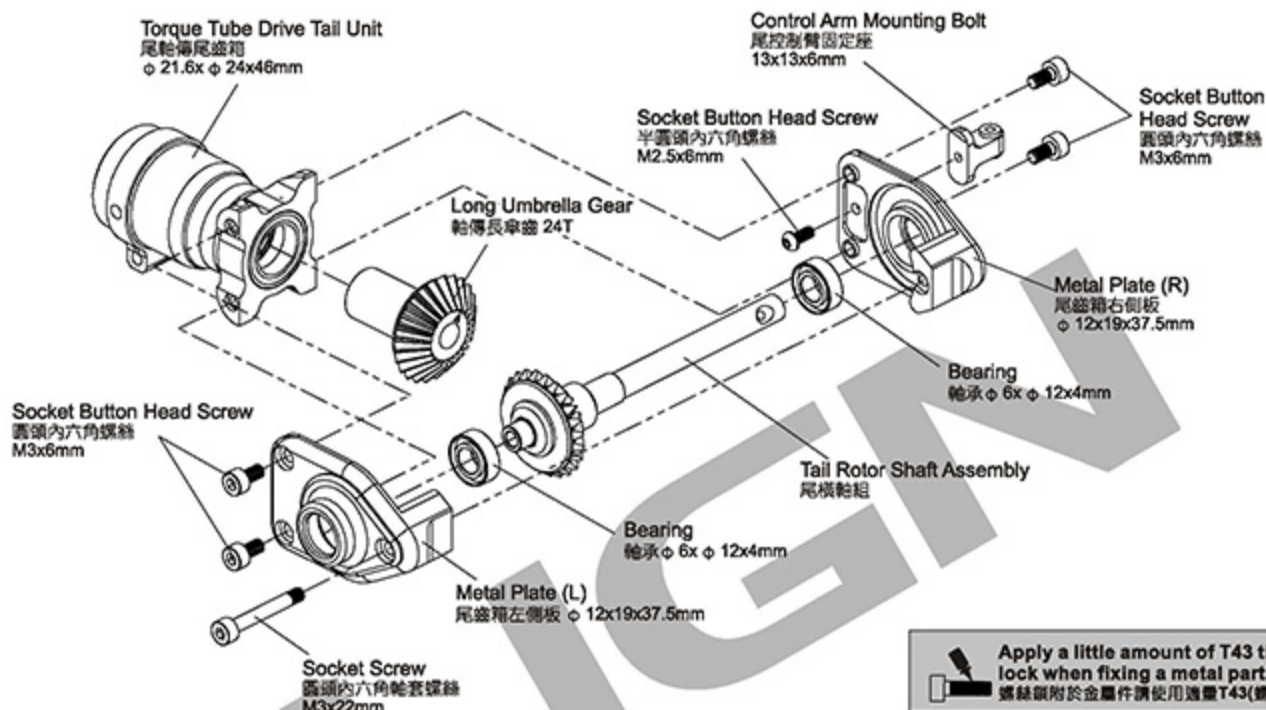
組裝步驟

ALIGN

STEP 4. 步驟 4

Replace tail gearbox

更換軸傳尾齒箱。



STEP 5. 步驟 5

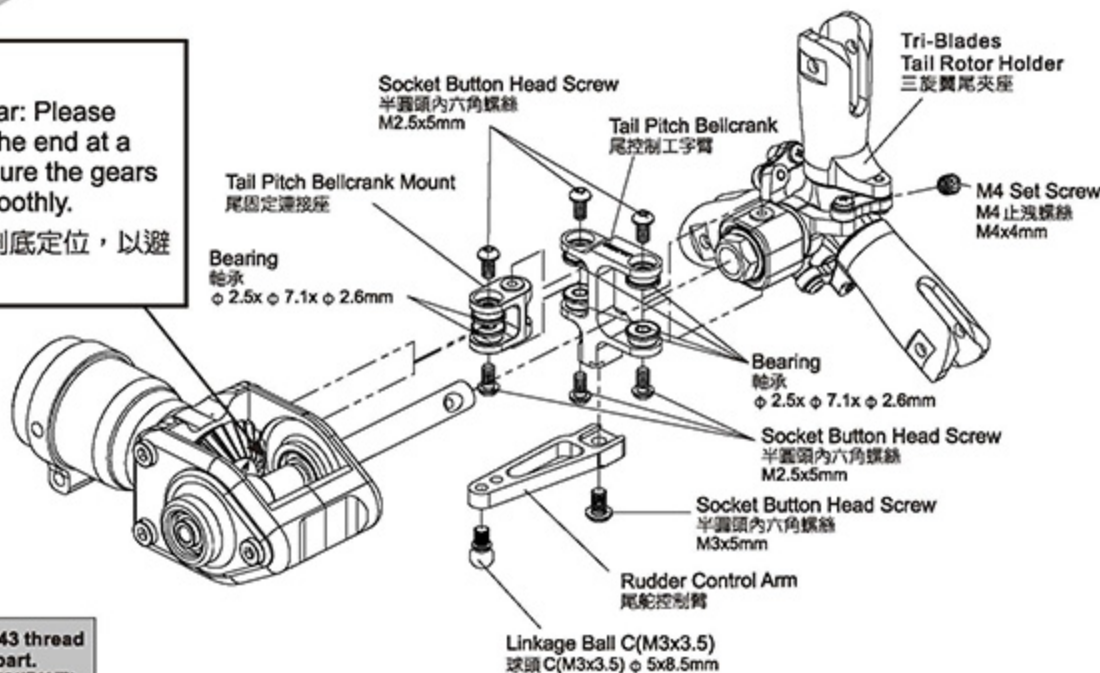
Replace tail control arm and tail control arm collar.

更換尾舵控制臂及尾控制臂鋁套。

CAUTION 注意

Assembling Umbrella Gear: Please note to push the gear to the end at a fixed position, to make sure the gears mesh with each other smoothly.

傘齒組裝: 注意務必前推到底定位, 以避免齒咬合不順暢。



ASSEMBLY SECTION

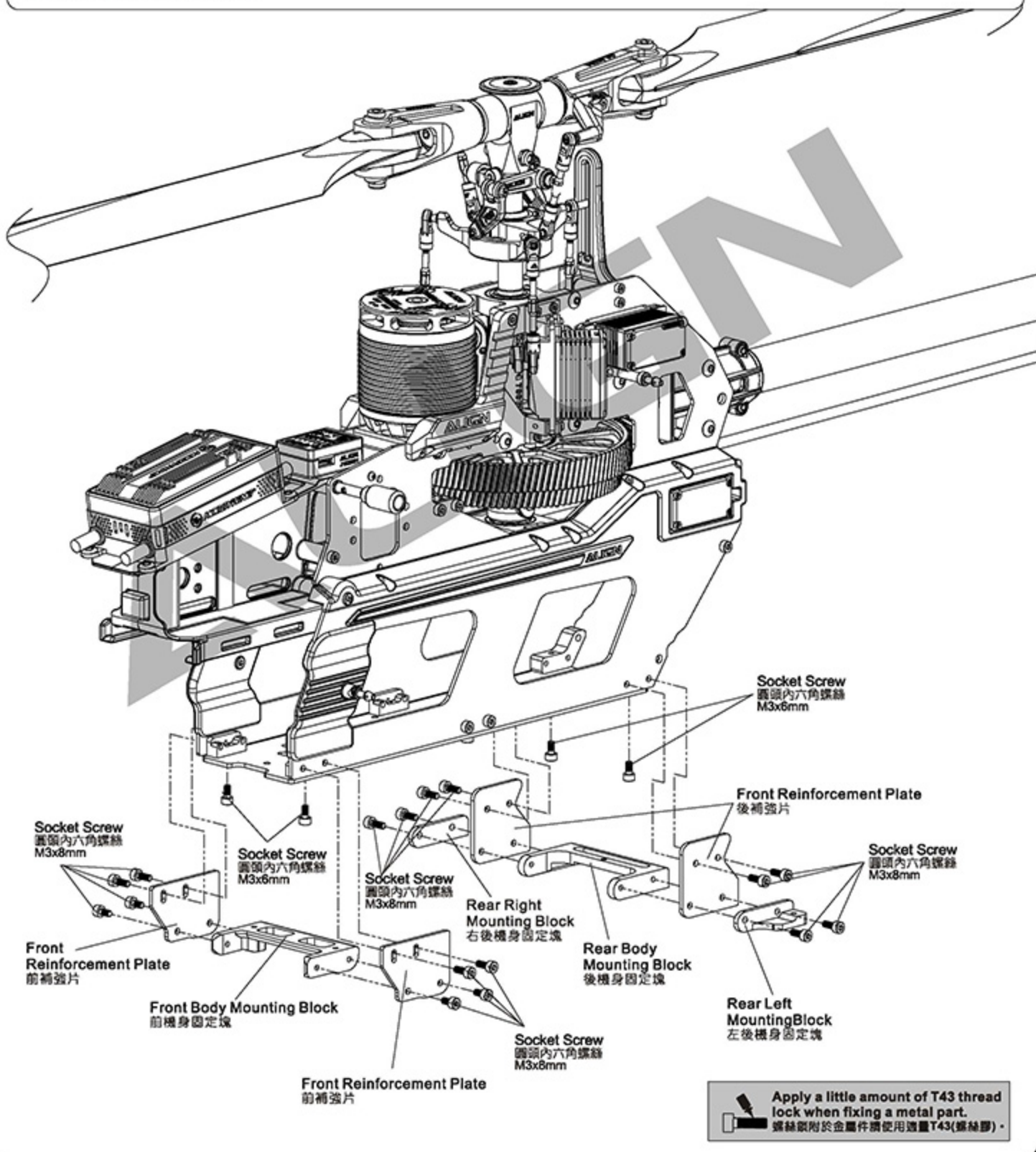
組裝步驟

ALIGN

STEP 6. 步驟 6

Install front frame mounting block, front reinforcement plate, rear frame mounting block, rear reinforcement plate, left and right rear frame mounting block to suitable location, and secure with proper sized screws.

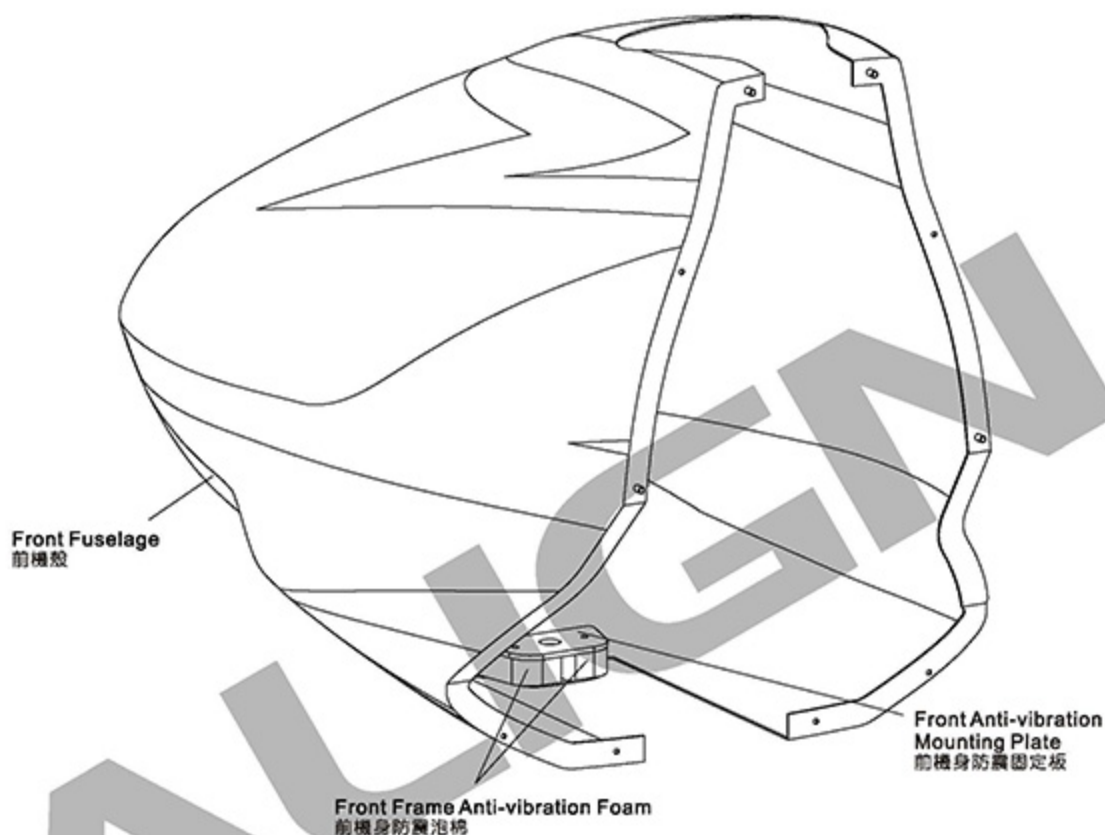
將前機身固定塊、前補強片、後機身固定塊、後補強片、左後機身塊及右後機身固定塊裝置至適當位置，並按照螺絲尺寸鎖入固定。



STEP 7. 步驟 7

Steps for attaching the forward frame mounting foam:

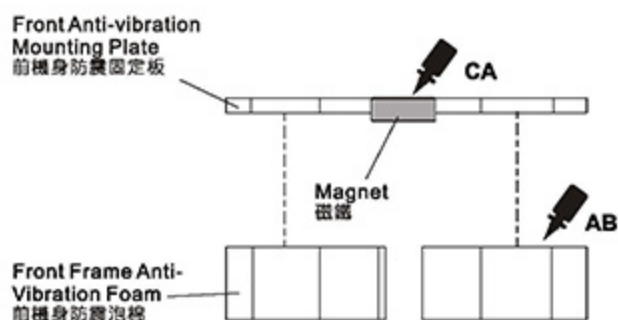
前機身泡棉黏貼步驟：



STEP 7-1 步驟7-1.

Press the magnet into front frame mounting plate and secure with CA glue, then attach it to the frame mounting foam with epoxy glue.

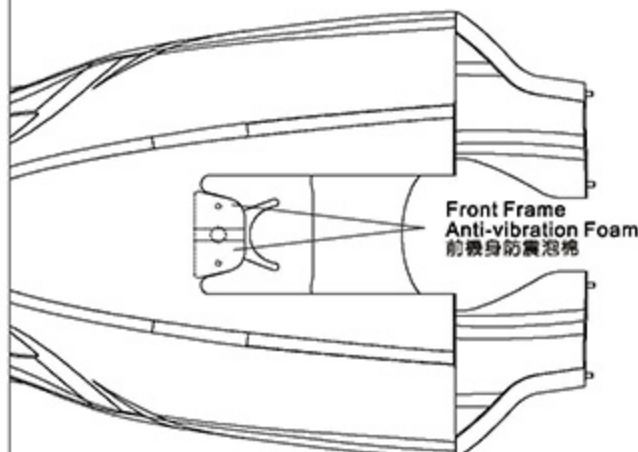
請先將磁鐵壓入前機身固定板內並使用 CA 固定，再使用 AB 膠將前機身固定板與前機身泡棉對齊黏附。



STEP 7-2 步驟7-2.

Ensure proper alignment with forward fuselage position when gluing forward frame mounting foam.

黏貼前機身泡棉，請務必對齊前機殼位置。



ASSEMBLY SECTION

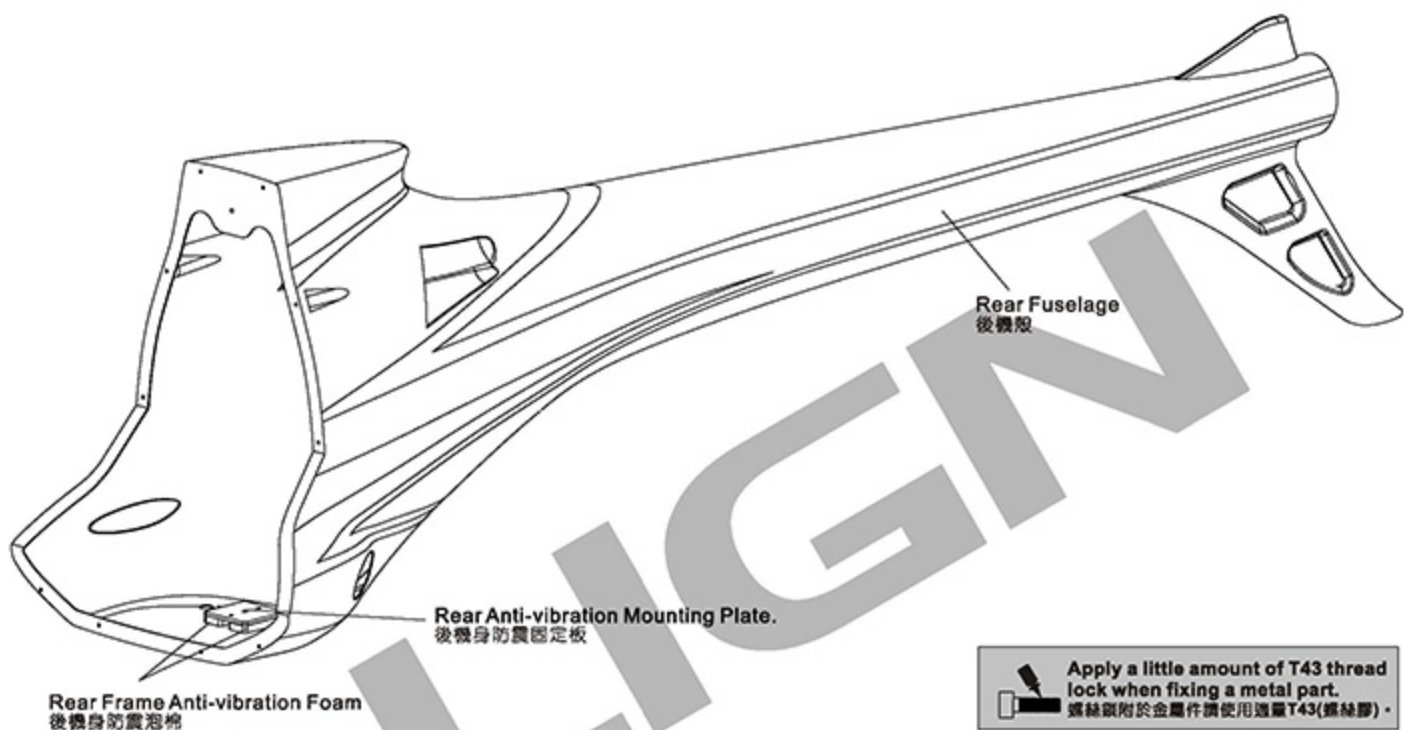
組裝步驟

ALIGN

STEP 8. 步驟 8

Steps for attaching the rear frame mounting foam:

後機身泡棉黏貼步驟：

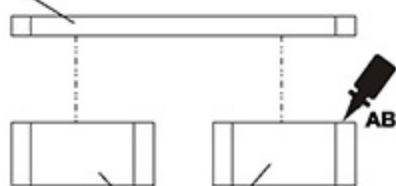


STEP 8-1. 步驟8-1.

Glue the rear anti-vibration mounting plate with frame mounting foam using epoxy glue.

使用 AB 膠將後機身防震固定板與後機身泡棉對齊黏附。

Rear Anti-vibration Mounting Plate
後機身防震固定板

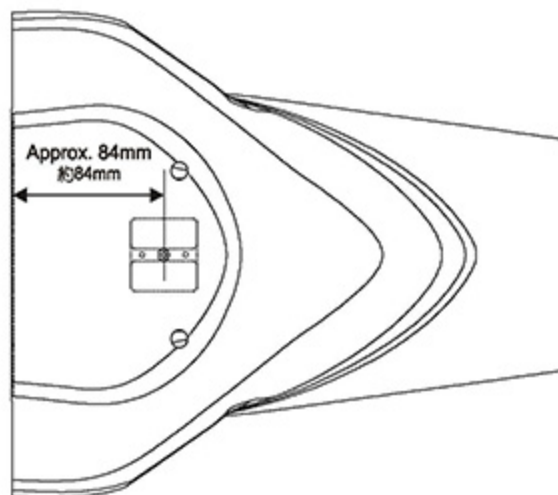


Rear Frame Anti-vibration Foam
後機身防震泡棉

STEP 8-2. 步驟8-2.

Secure at approximately the 84mm point between center of rear frame mounting plate and front edge of rear fuselage.

後機身固定板孔中心與後機殼前緣距離約 84mm 處固定。



ASSEMBLY SECTION

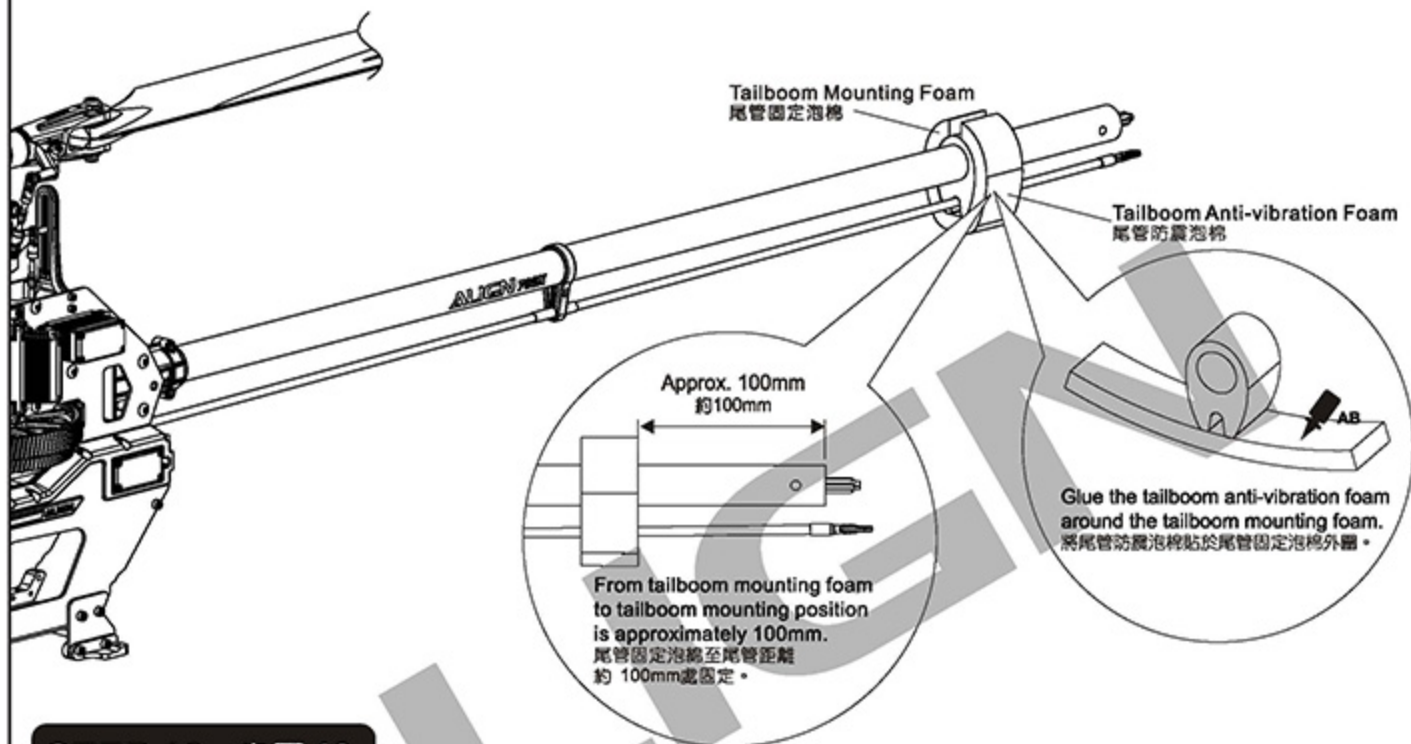
組裝步驟

ALIGN

STEP 9. 步驟 9

After gluing the tailboom mounting foam and tailboom anti-vibration foam together, install from the end of tailboom, and secure at approximately the 100mm point.

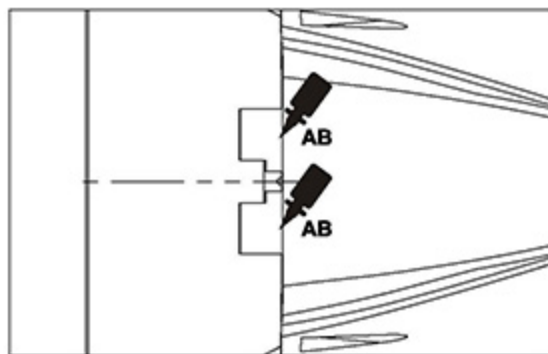
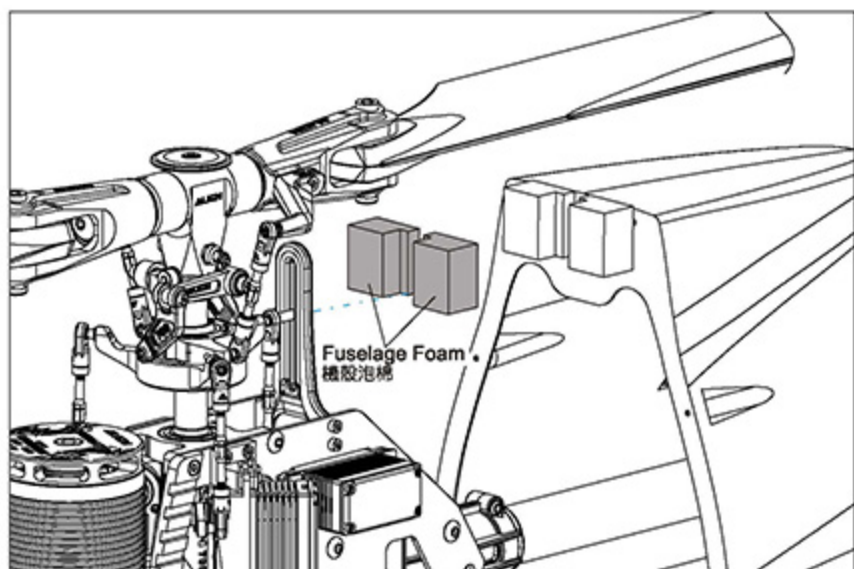
將尾管固定泡綿及尾管防震泡綿黏合後，由尾管末端裝入，固定於距尾管末端約100mm。



STEP 10. 步驟 10

While installing the rear fuselage from the end of tailboom, ensure the anti-rotation bracket long linkage ball M3*4mm is aligned with rear fuselage hole, then glue the fuselage foam on the rear fuselage, so the bracket long linkage ball can be wrapped around the foam securely.

後機殼沿尾管裝入時，先將導板長球頭M3*4mm對準後機殼孔位，並使用AB膠將泡棉與後機殼上方對齊置中黏附，使十字盤導板可完全被泡棉包覆。



Apply a little amount of T43 thread lock when fixing a metal part.
螺絲鎖附於金屬件請使用適量T43(螺絲膠)。

ASSEMBLY SECTION

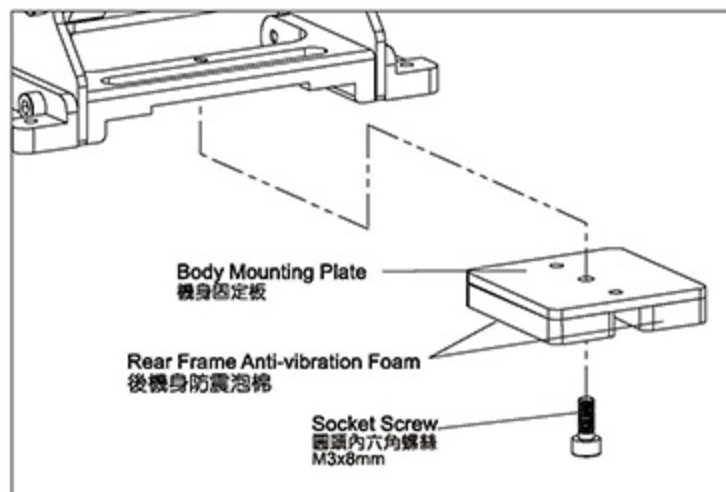
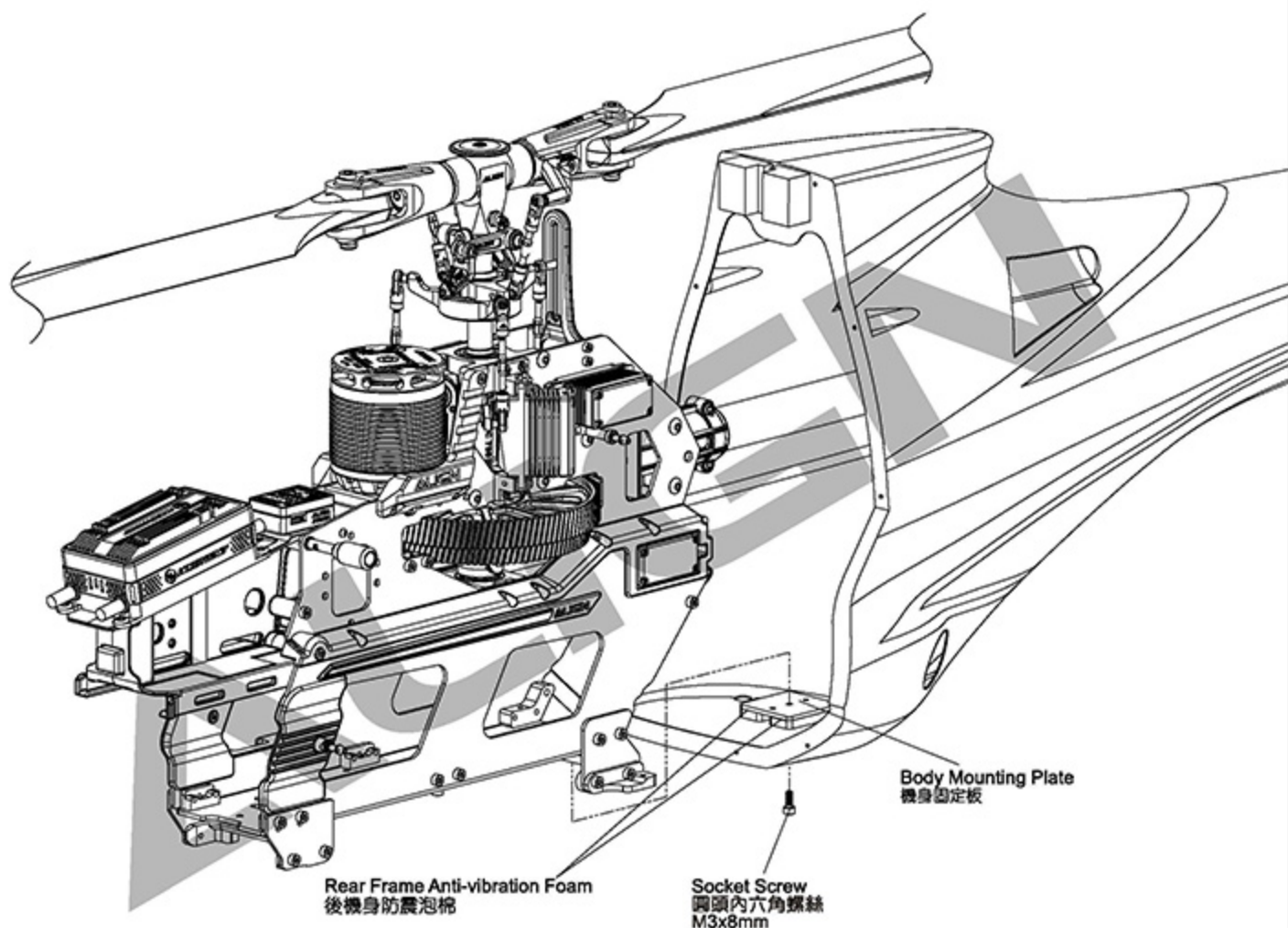
組裝步驟

ALIGN

STEP 11. 步驟 11

Then put the body mounting plate on the rear frame mounting block and fix it with M3x8mm socket screw.

再將後機殼下方孔位機身固定板卡入後機身固定塊後，鎖附M3x8mm圓頭內六角螺絲固定。



Apply a little amount of T43 thread lock when fixing a metal part.
螺絲鎖附於金屬件請使用適量T43(螺絲膠)。

ASSEMBLY SECTION

組裝步驟

ALIGN

STEP 12. 步驟 12

Insert aluminum sleeve into fuselage, attach to the landing gear with M3x22mm round head socket collar screw.

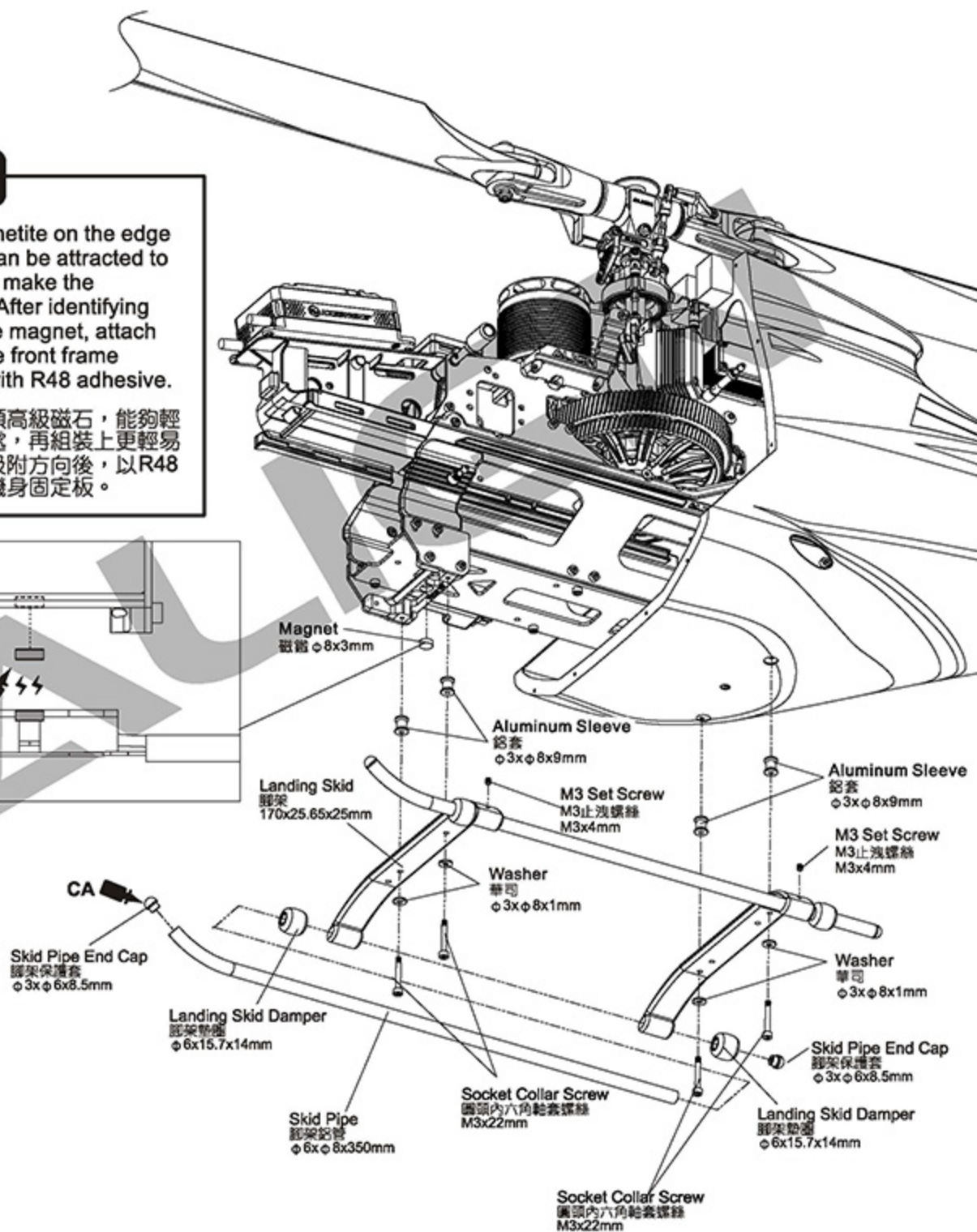
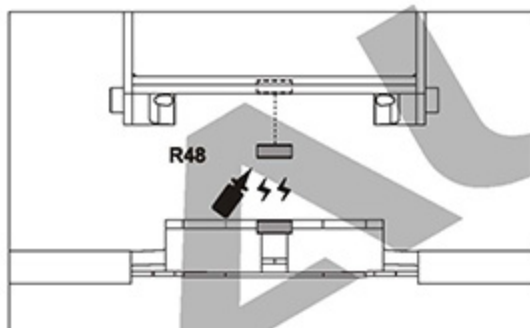
將鋁套穿入機殼後以M3x22mm圓頭內六角軸套螺絲鎖附腳架。



CAUTION
注意

The classic magnetite on the edge of the fuselage can be attracted to each other firmly make the assembly easy. After identifying the polarity of the magnet, attach the magnet to the front frame mounting plate with R48 adhesive.

機殼下方採用兩顆高級磁石，能夠輕鬆吸附兩側交接處，再組裝上更輕易簡單。確認磁鐵吸附方向後，以R48將磁鐵固定於前機身固定板。



Apply a little amount of T43 thread lock when fixing a metal part.
螺絲鎖附於金屬件請使用適量T43(螺絲膠)。

ASSEMBLY SECTION

組裝步驟

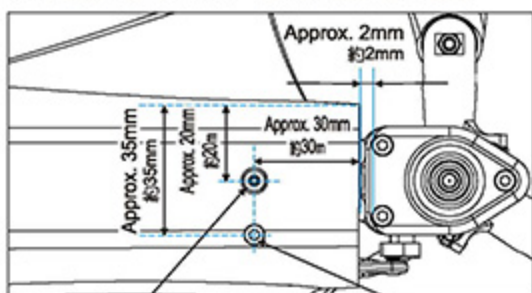
ALIGN

STEP 13. 步驟 13

Attach the rudder control assembly onto tailboom, tighten with M3x14mm Socket Screw.
將尾翼控制組裝上尾管，鎖附M3x14mm圓頭內六角螺絲。

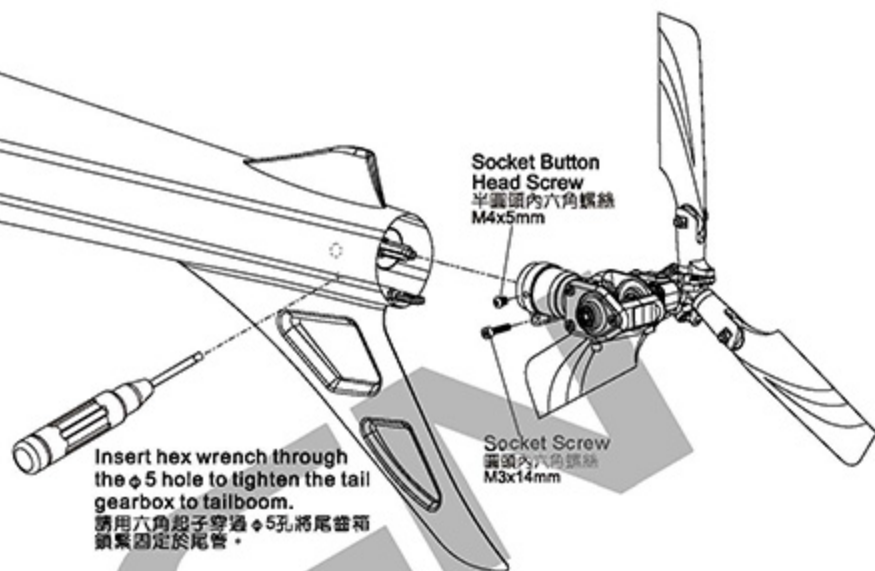
Keep a distance of approximately 2mm from the fuselage.
保持適當間距約2mm，避免與機殼直接碰觸。

保持適當間距約2mm，避免與機殼直接碰觸。



Can drill $\phi 7$ hole and attach with M4x5mm socket button head screw.
可再加工 $\phi 7$ 孔位並以M4x5mm半圓頭內六角螺絲鎖入固定

Please drill $\phi 5$ holes at the indicated locations.
請依標示位置自行加工 $\phi 5$ 孔位

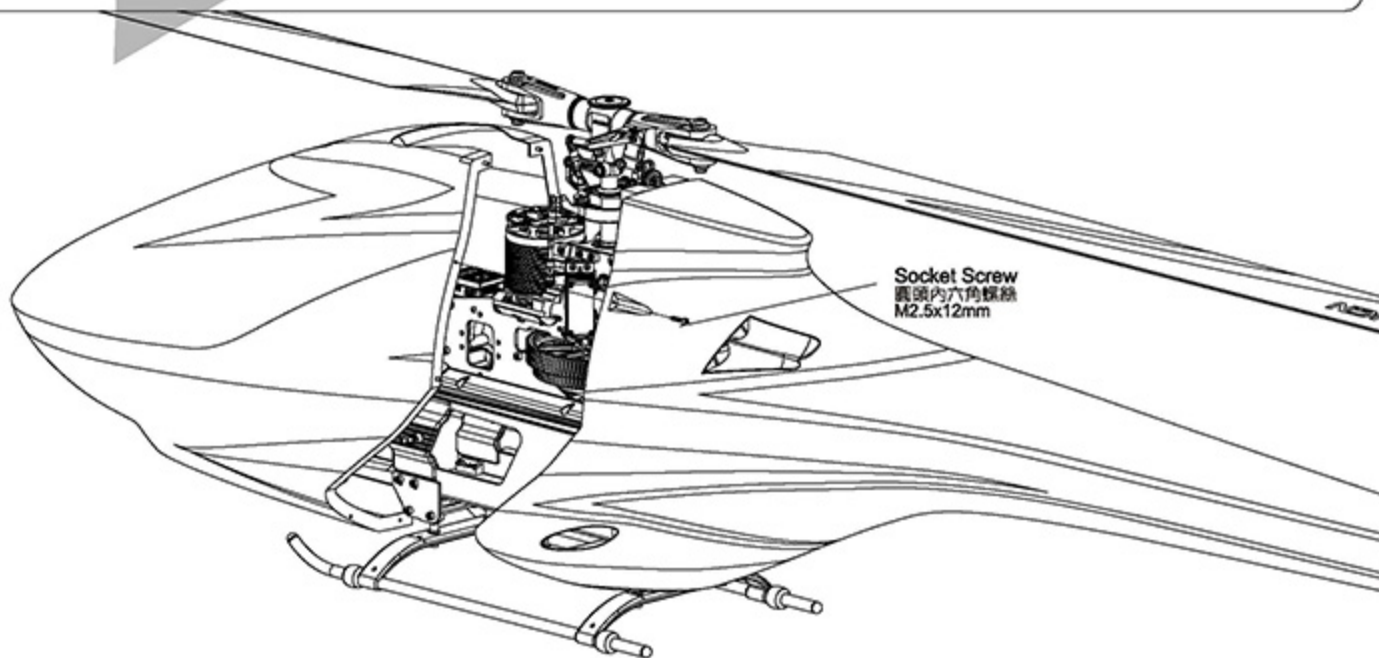


Apply a little amount of T43 thread lock when fixing a metal part.
螺絲鎖附於金屬件請使用適量T43(螺絲膠)。

STEP 14. 步驟 14

Unique quick release design of the front fuselage for battery access with removal of just 2 screws. Attach the front and rear fuselage with M2.5x12mm round head hex screw.

前機頭罩採用兩顆螺絲快拆設計，僅需卸下兩側單顆螺絲即可快速取下前機頭罩，換裝電池更方便簡單。將前機殼與後機殼以M2.5x12mm圓頭內六角螺絲鎖附。



ASSEMBLY SECTION

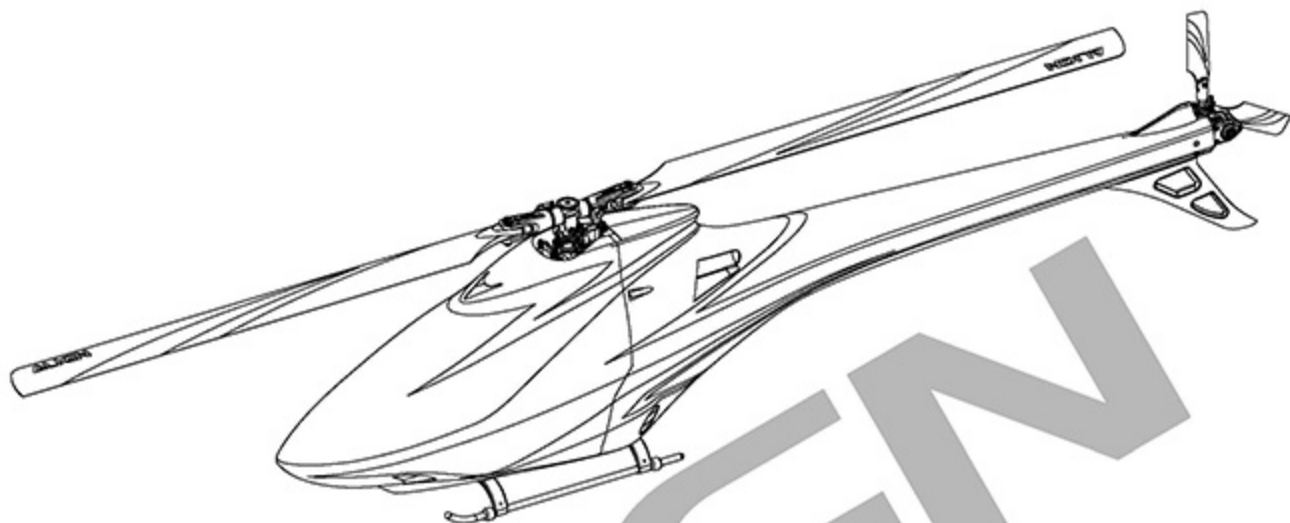
組裝步驟

ALIGN

COMPLETE ILLUSTRATION 組裝完成圖

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

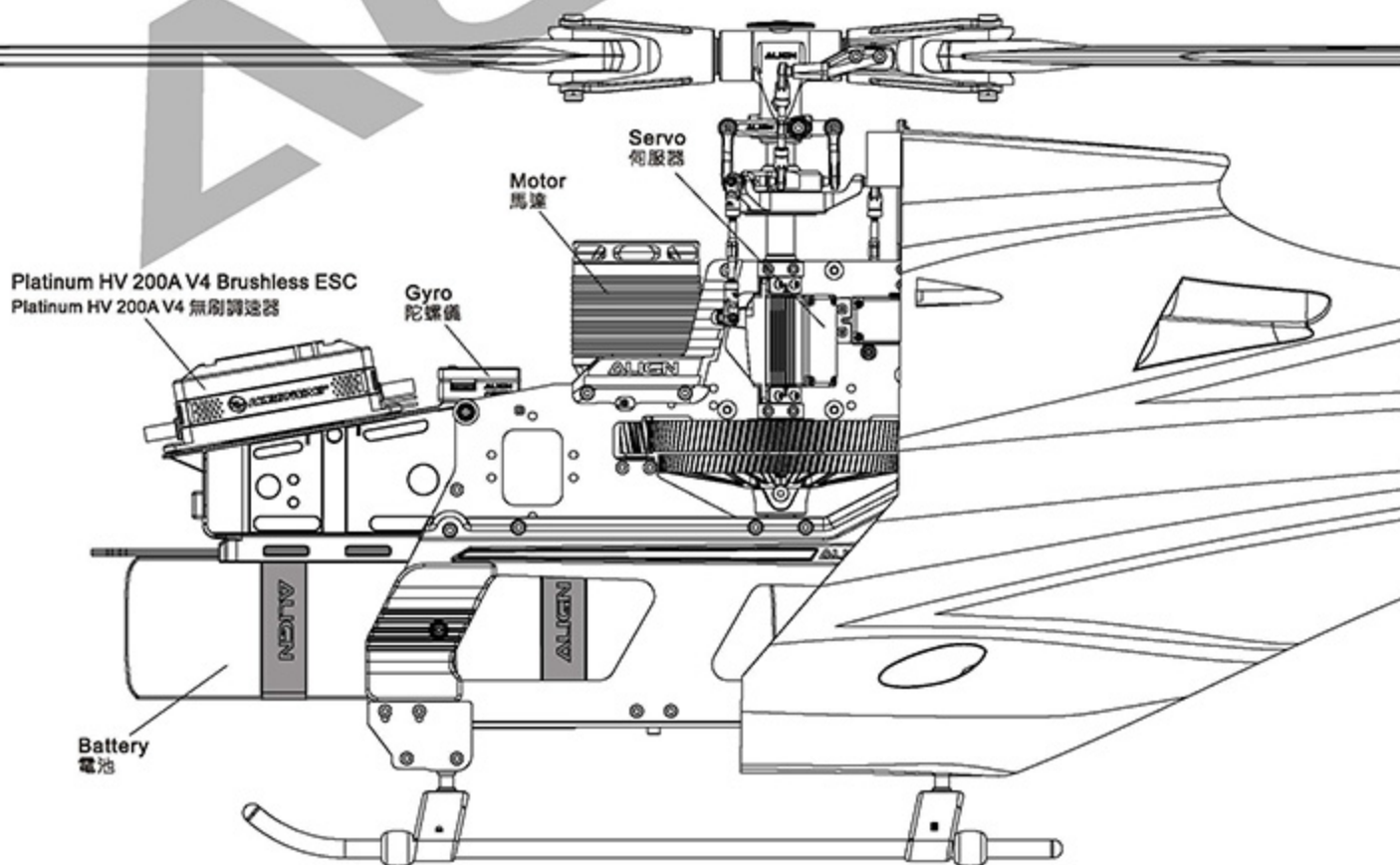
請在詳細檢查各部位是否確實鎖緊與固定，並確定無干涉情形後才可以飛行。



ELECTRIC EQUIPMENT ILLUSTRATION

電子設備建配置圖

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BATTERY EXCHANGE ILLUSTRATION

更換電池操作方式

ALIGN

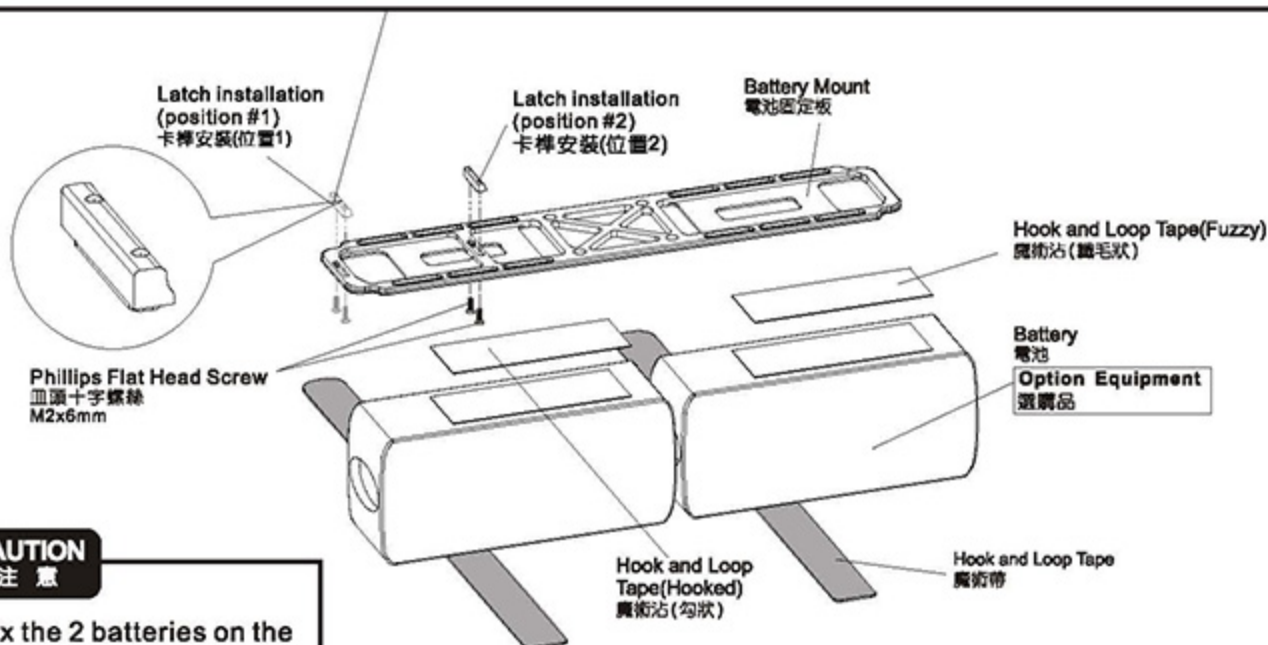
Suggest to switch the battery mounting latch on the latch installation (position #2) of the rail to keep battery CG at the front.

建議將電池固定板的卡榫移至卡榫安裝(位置2)，讓電池重心往前。

CAUTION 注意

Make sure the battery is inserted properly and firmly with the latch slide surface facing in the battery rail to prevent any unexpected danger happened during flights.

卡榫正確安裝方向，請將斜面朝向內，避免因卡榫與電池壓扣不完全，在高速飛行中可能造成電池滑出或其他不可預期的意外發生。

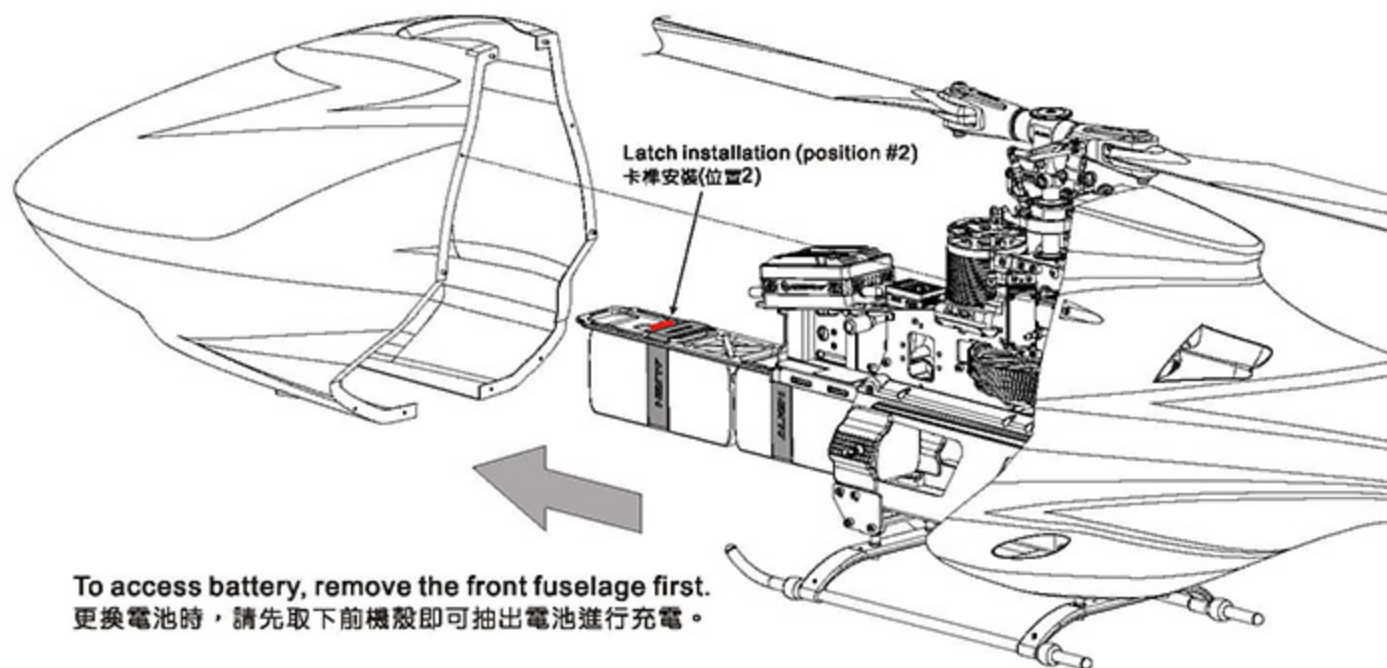


CAUTION 注意

Please fix the 2 batteries on the battery mount evenly.

2顆電池請平均固定於電池板上。

Apply a little amount of T43 thread lock when fixing a metal part.
螺絲鎖附於金屬件請使用適量T43(螺絲膠)。



To access battery, remove the front fuselage first.
更換電池時，請先取下前機殼即可抽出電池進行充電。

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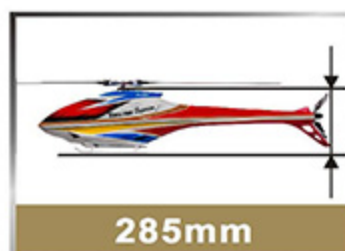
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