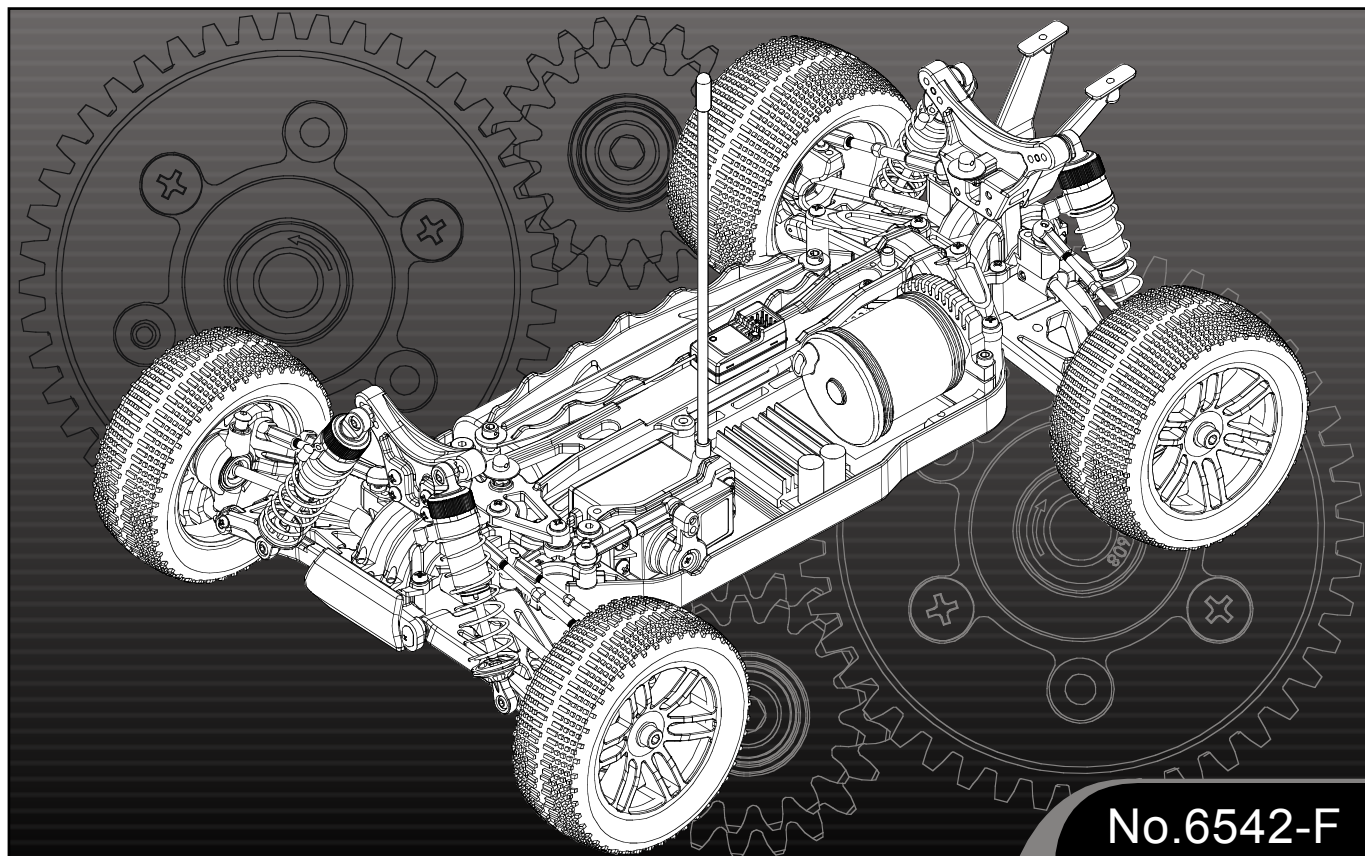




SPARROWHAWK XXB

1/10 SCALE BRUSHLESS POWERED RACING BUGGY
1:10 無刷電動競速越野車



No.6542-F



This radio control model car is not a toy! Before beginning assembly, please read this manual thoroughly.

本產品為高性能模型非一般玩具，組裝與操作前請詳閱本產品說明書。

The contents are subject to change without prior notice due to product improvements and specification changes.

本套件所附之零件可能跟圖示有所差異。因產品後續之設計研發或功能不斷改善之原因，我們將保留產品規格變更權利，不再另行通知使用者。

Maintenance Manual & Parts Catalogue **維修說明書及零件包型錄**

Introduction 前言

Thank you for purchasing this Thunder Tiger product. This manual contains the steps and instructions required to assemble your car. Please read this manual completely before attempting to start maintenance. Follow the directions in this manual closely to reduce problems during operation. We offer online help on our www.acehobby.com or www.thundertiger.com and forums and our product specialists are ready to take your call if you have any technical questions. Have fun and enjoy the exciting world of R/C.

感謝您購買雷虎科技 SPARROWHAWK XXB 電動越野車。雷虎科技一向以提供最高品質的產品及服務作為持續努力的目標，並藉由參與競賽及重覆測試產品，不斷累積經驗，進而提昇設計及製造品質，期望能呈現給您最頂級之工藝產品。本使用說明書包含了組裝及維修本產品前所需要注意的重要事項，建議您在開始組裝及維修本產品之前，能詳閱此說明書，並熟悉本產品之組裝步驟及維修程序。若是您在產品的使用上有任何的疑問，歡迎多加利用我們所提供的24小時諮詢留言板或洽詢雷虎科技授權經銷商。雷虎科技的全球英文網址為 www.thundertiger.com，我們將竭誠為您服務！

Safety Precautions 安全注意事項

Please read all of the instructions and familiarize yourself with the product and its controls before operation.

1. This product is not a toy. It is a high performance model car therefore it is important to familiarize yourself with the model, its manual, and its construction before assembly or operation. Adult supervision is necessary for children operating this model.
2. Always keep this instruction manual on hand during assembly and for operating reference.
3. Do not use a power screwdriver to install screws into plastic parts. A power screwdriver's high rotation speed can heat up the screw being installed which can result in some melting of the plastic parts or stripped threads.
4. For best performance, it is important to make sure all the moving parts can move freely without binding.
5. This product, its parts, and its assembly tools can be harmful to your health. Always exercise extreme caution when assembling and operating this product. Keep away from any high speed rotating parts during operation.

感謝您購買雷虎科技產品，在您開始操作本產品前，請詳閱本產品說明書。

1. 本產品為高性能模型產品非一般玩具，組裝與操作過程皆須由成人陪同。請詳讀此本使用說明書，避免因組裝錯誤與操作不當造成損壞。
2. 請妥善保管此說明書，對於後續維修、操控說明將可提供您協助。
3. 請勿使用電動工具旋緊自攻螺絲於塑膠零件上，可能導致塑膠零件融化或滑牙。
4. 請檢視所有活動部位零件是否不受干涉，可靈活作動，以達到車輛最佳性能。
5. 此項產品具有相當之危險性，於組裝、調整、操控上的不熟悉都可能造成自身或他人的傷害，當發生這些傷害事件時製造商是可以免除責任的，建議您於初次使用本產品前，先行請教具有相當程度經驗同好或是專業雷虎經銷商與模型專賣店。

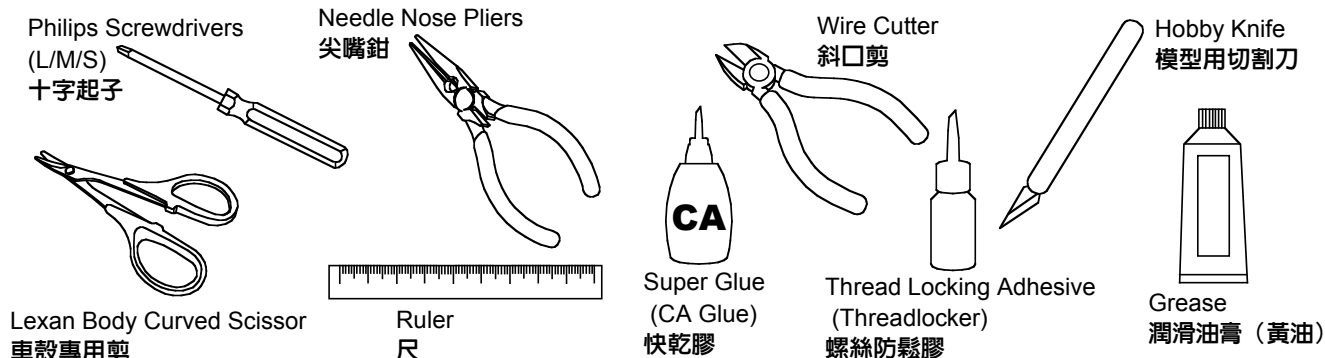
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Tools Included 內附工具



Tools Required For Assembly 組裝維修工具



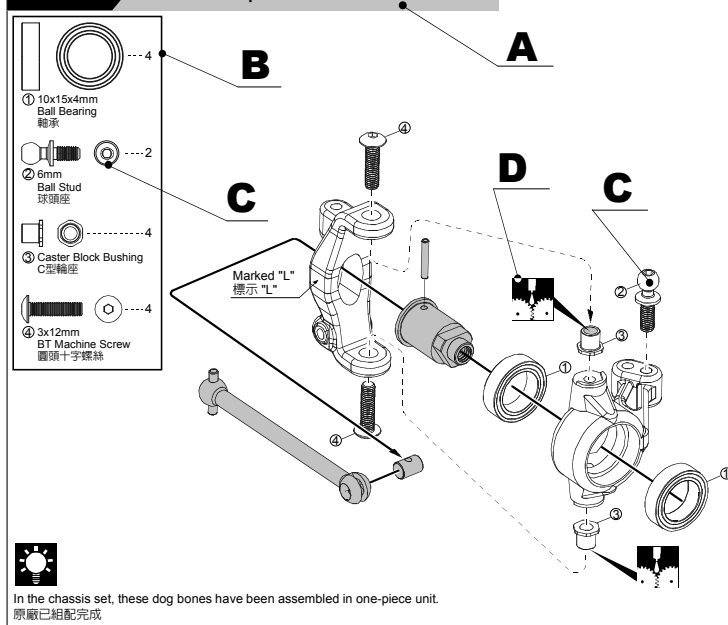
Manual Format 說明書使用方式

How to read the instruction manual? 說明書導讀

- A:** The manual indicates the assembly step number and the parts that are to be assembled.
- B:** The manual displays actual size drawings, and part quantities used.
- C:** All parts, except screws, are identified by their order numbers. When purchasing spare parts, identify the part required and cross reference this to the spare parts list in the end of this manual, which shows the spare parts and the corresponding order numbers.
- D:** This instruction manual uses several symbols. Pay careful attention to them during construction. Details are given at the bottom of each page.
- A:** 顯示組立步驟及需組立之零件部位
- B:** 零件實際對照尺寸及使用數量
- C:** 請比對零件形狀以及後附零件料號對照圖示找出需求零件料號
- D:** 操作說明符號可更有效協助組裝者使用此說明書，請依說明書符號指示進行組裝步驟

Example 說明範例

STEP4 Front Suspension 前擺臂懸吊組



Symbols Used Throughout The Manual 符號說明



Apply C.A Glue
使用快乾膠黏合



Apply silicon oil
使用模型專用矽油



Assemble as many times as specified
依指示組裝所需數量



Assemble left and right side the same way
左右側組件相同



Assemble in right order
依標示順序組裝



Drill holes with the specified diameter
依標示尺寸鑽孔



Hint
組裝提示



Must be purchased separately
改裝品需另購



Cut off shaded portion
依標示部分裁切



Ensure smooth, non-binding movement when assembling
確認組件靈活度



Pay close attention here
注意組裝步驟



Cut off excess
裁剪多餘部分



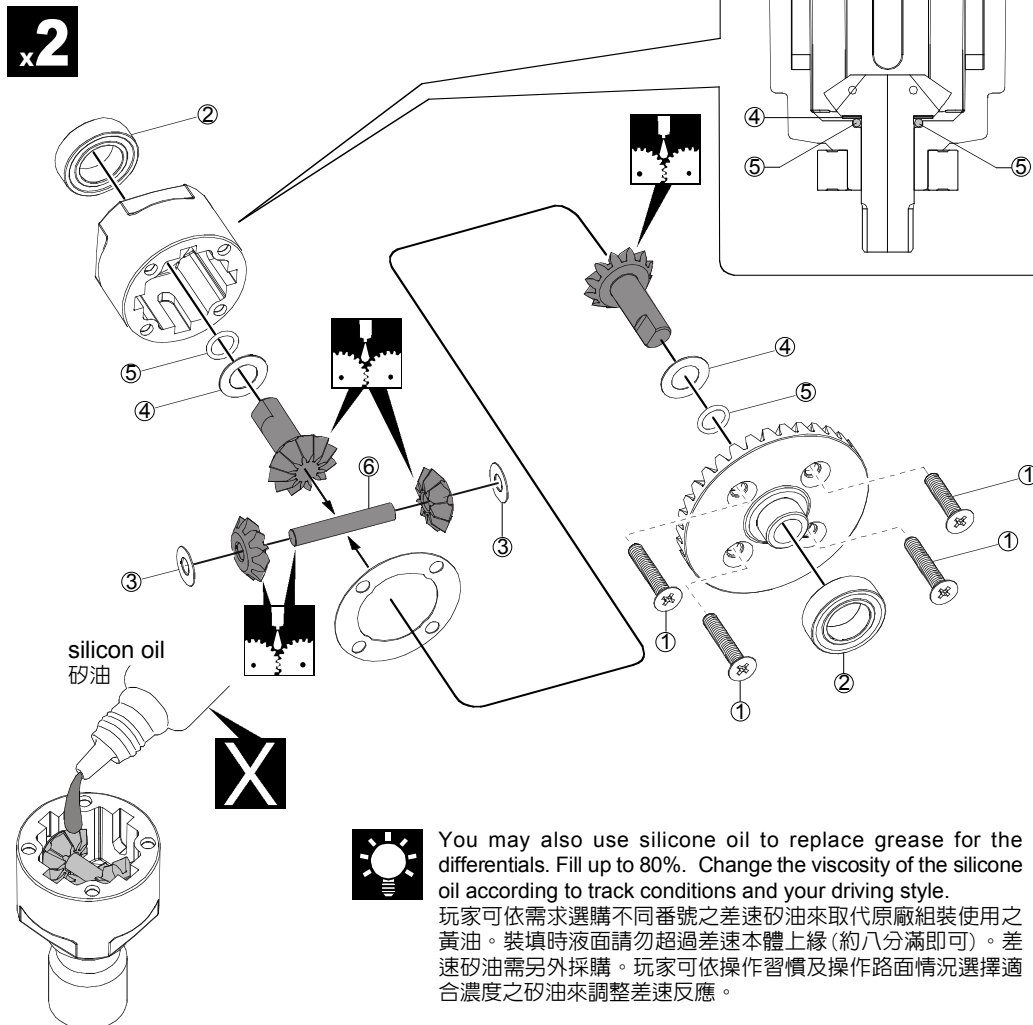
Apply threadlocker
使用螺絲防鬆膠



Apply grease
使用潤滑油膏(黃油)

STEP1 Front Differential 前差速組 / Rear Differential 後差速組

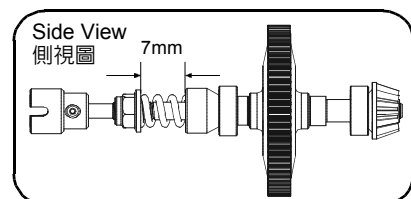
- ① 2.5x12mm
F/H Philip Machine Screw
平頭十字螺絲
- ② 8x14x4mm
Ball Bearing
軸承
- ③ 3x5mm
Washer
墊圈
- ④ 5x8mm
Washer
墊圈
- ⑤ 4.4x0.8mm
O-Ring
O型環
- ⑥ 3x19mm
Pin
銷



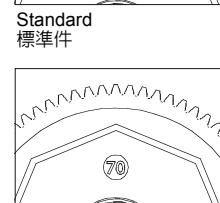
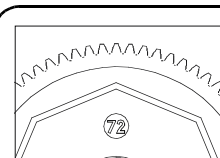
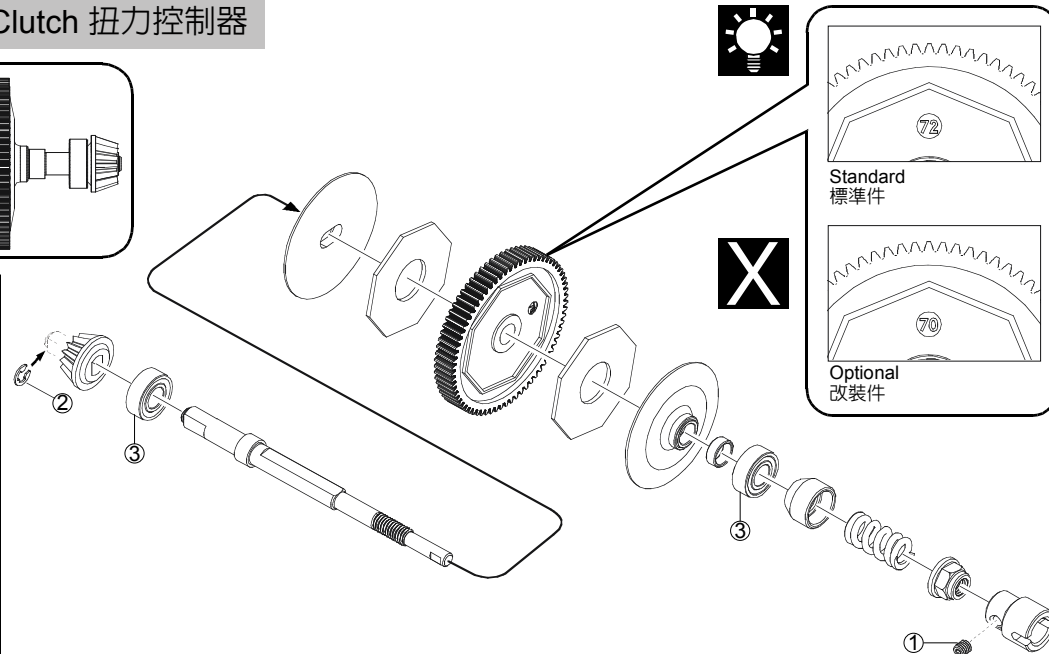
You may also use silicone oil to replace grease for the differentials. Fill up to 80%. Change the viscosity of the silicone oil according to track conditions and your driving style.

玩家可依需求選購不同番號之差速矽油來取代原廠組裝使用之黃油。裝填時液面請勿超過差速本體上緣(約八分滿即可)。差速矽油需另外採購。玩家可依操作習慣及操作路面情況選擇適合濃度之矽油來調整差速反應。

STEP2 Slipper Clutch 扭力控制器



- ① 3x4mm
Set Screw
無頭內六角螺絲
- ② 2.5 mm
E-clip
E型扣環
- ③ 5x11x4 mm
Ball Bearing
軸承



Apply grease
使用潤滑油膏(黃油)

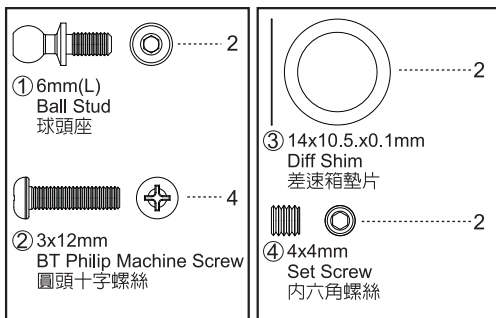


Assemble as many times
as specified
依指示組裝所需數量



Must be purchased separately
改裝品需另購

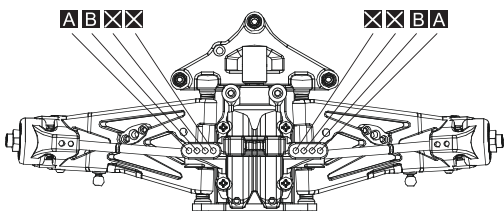
STEP3 Rear Differential Unit 後差速箱



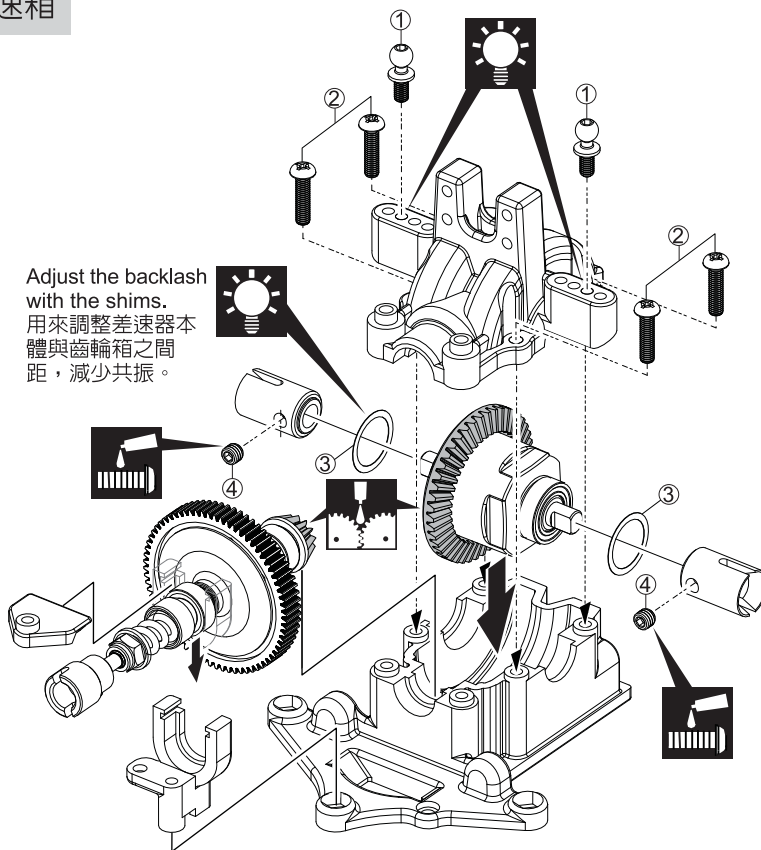
Also see P.5
另參考第5頁

Camber Adjustment
外傾角調整

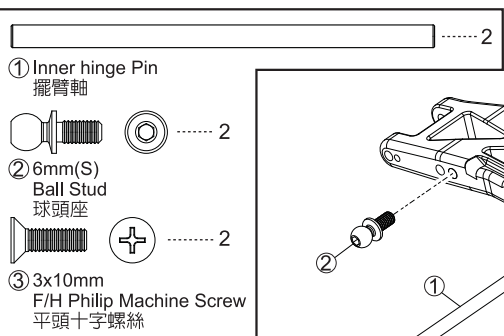
- ☐ For Ready Set Camber Linkage
- ☐ For Optional Turnbuckle Linkage
- ☒ Not Recommended Set Up
- ☐ 適用原廠固定式上臂拉桿
- ☐ 適用改裝可調式上臂拉桿
- ☒ 非原廠建議調整孔位



Adjust the backlash with the shims.
用來調整差速器本體與齒輪箱之間距，減少共振。



STEP4 Rear Suspension 後擺臂懸吊組



Roll Center Adjustment
調整滾動中心

Roll Center Position	Low	Mid. Low	Medium (Factory Set-up)	Mid. High	High
滾動中心位置	最低	偏低	中間 (原廠設定)	偏高	最高
arm mount bushings					
擺臂軸套					
Track	Low Speed Track ← High Speed Track				
路況	多彎 ← 高速路面				

Marked " " " " " "
標示 " " " " " "



Always adjust the front and rear bushings at the same time. Your car may not run stable if front and rear bushings are unbalanced.
調整時請同時更換前後擺臂軸套。不平衡的設定將增加車輛行駛的不穩定性。

Apply grease
使用潤滑油膏 (黃油)

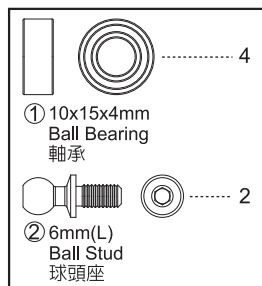
Hint
組裝提示

Pay close attention here
注意組裝步驟

Apply threadlocker
使用螺絲防鬆膠

STEP4 Rear Suspension 後擺臂懸吊組

x2



Camber Adjustment

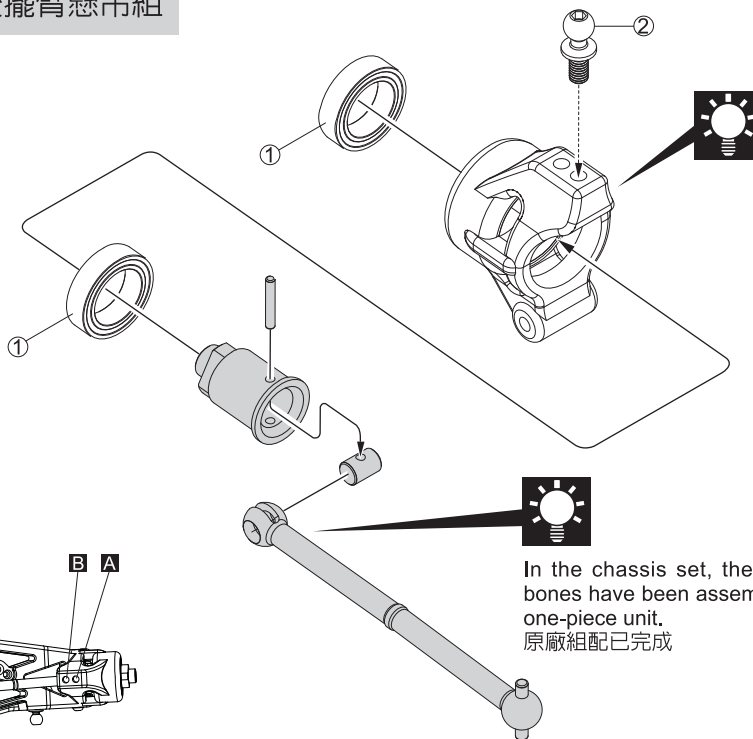
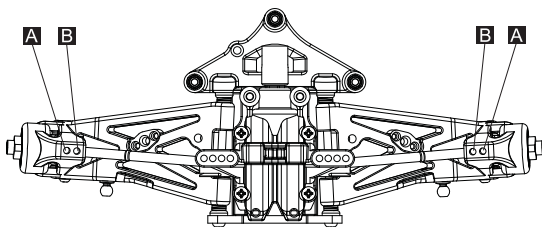
外傾角調整

B For Ready Set Camber Linkage

A B For Optional Turnbuckle Linkage

B 適用原廠固定式上臂拉桿

A B 適用改裝可調式上臂拉桿



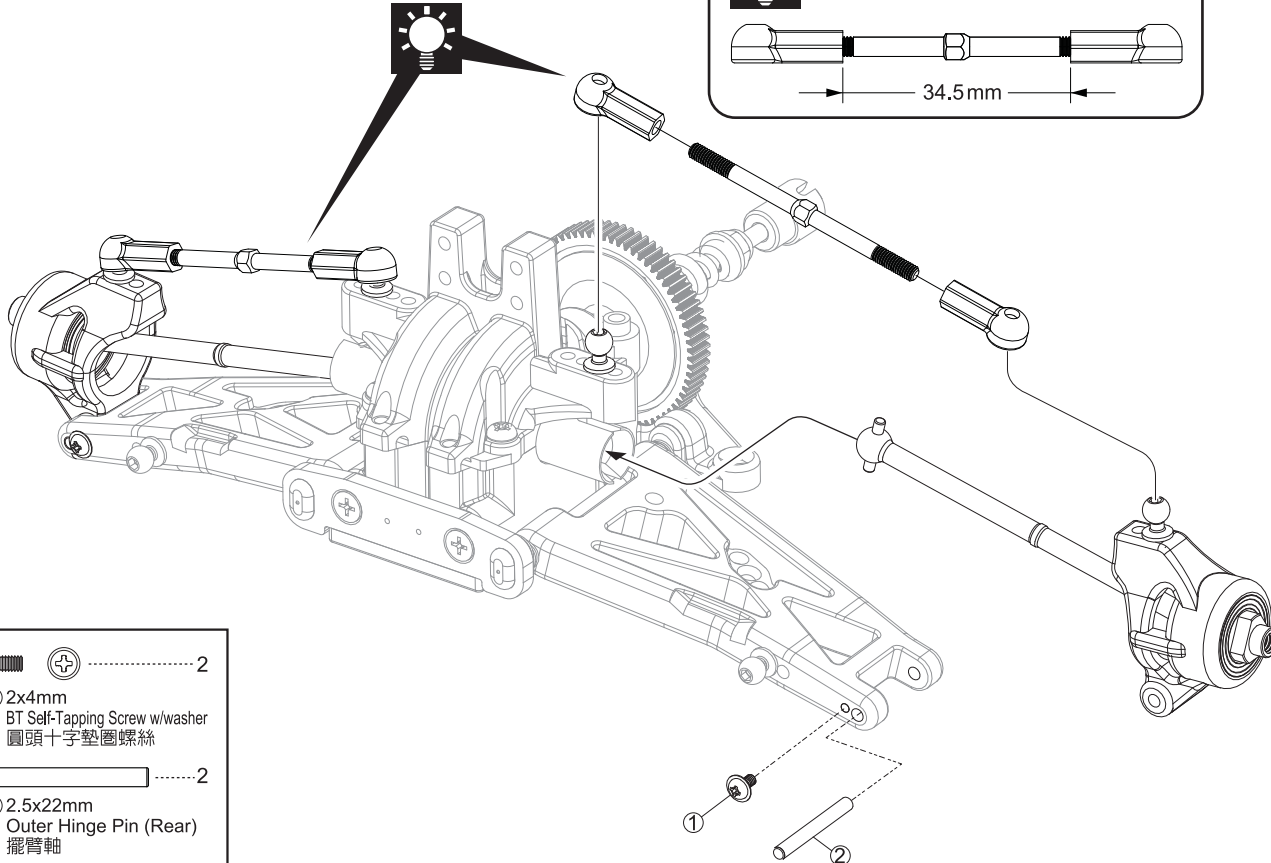
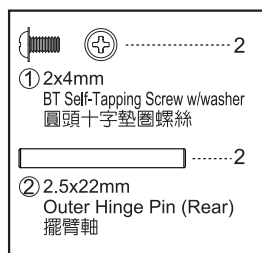
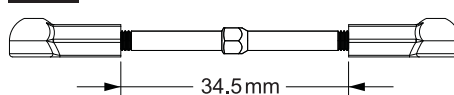
In the chassis set, these dog bones have been assembled in one-piece unit.
原廠組配已完成

STEP4 Rear Suspension 後擺臂懸吊組

L/R



Side View
側視圖



Hint
組裝提示



Assemble left and right side the same way
左右側組件相同

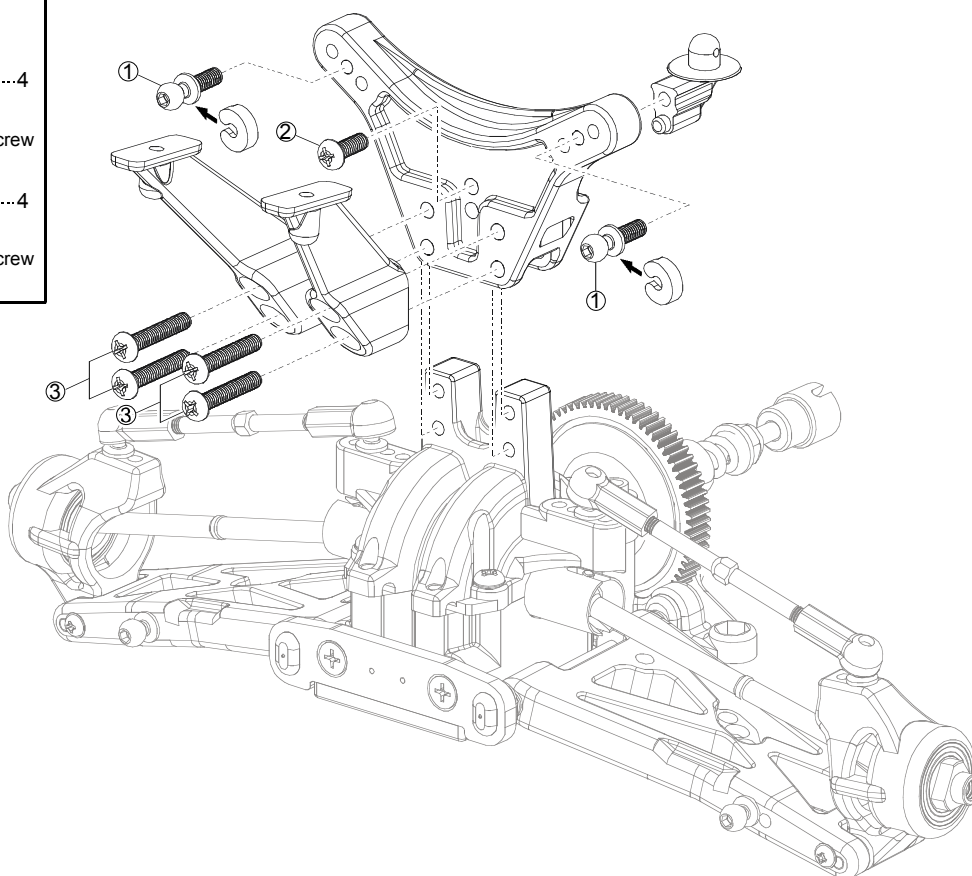
x2

Assemble as many times as specified
依指示組裝所需數量

STEP4 Rear Suspension 後擺臂懸吊組

〈Rear Shock Tower〉
〈後避震器支架〉

- 2
① 6 mm(L)
Ball Stud (PD9104)
球頭座
- 4
② 3x8 mm
BT Philip Machine Screw
圓頭十字螺絲
- 4
③ 3x16 mm
BT Philip Machine Screw
圓頭十字螺絲

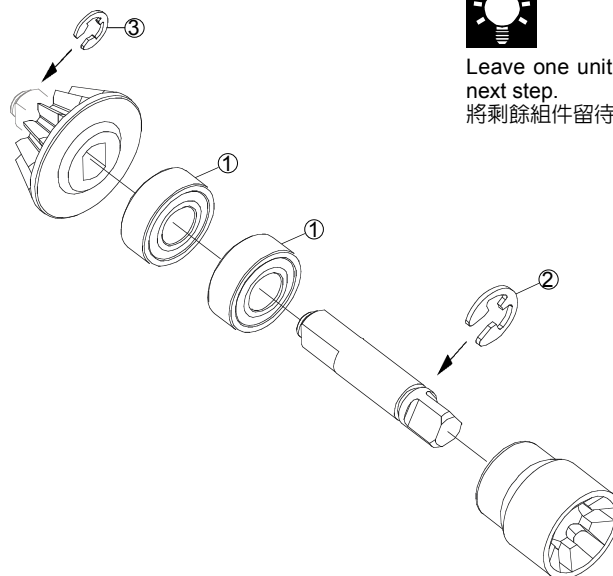


STEP5 Front Differential Unit 前差速箱

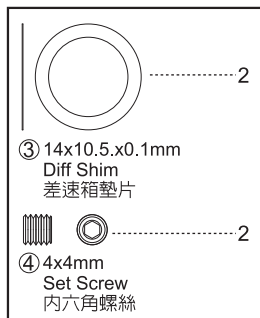
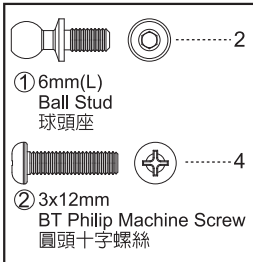
- 2
① 5x11x4 mm
Ball Bearing
軸承
- 1
② 4 mm
E-clip
E型扣環
- 1
③ 2.5 mm
E-clip
E型扣環



Leave one unit of drive axle for
next step.
將剩餘組件留待接下步驟組裝



STEP5 Front Differential Unit 前差速箱



Camber Adjustment
外傾角調整

B For Ready Set Camber Linkage

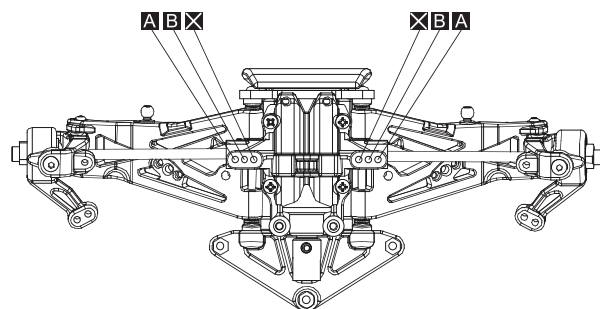
A B For Optional Turnbuckle Linkage

X Not Recommended Set Up

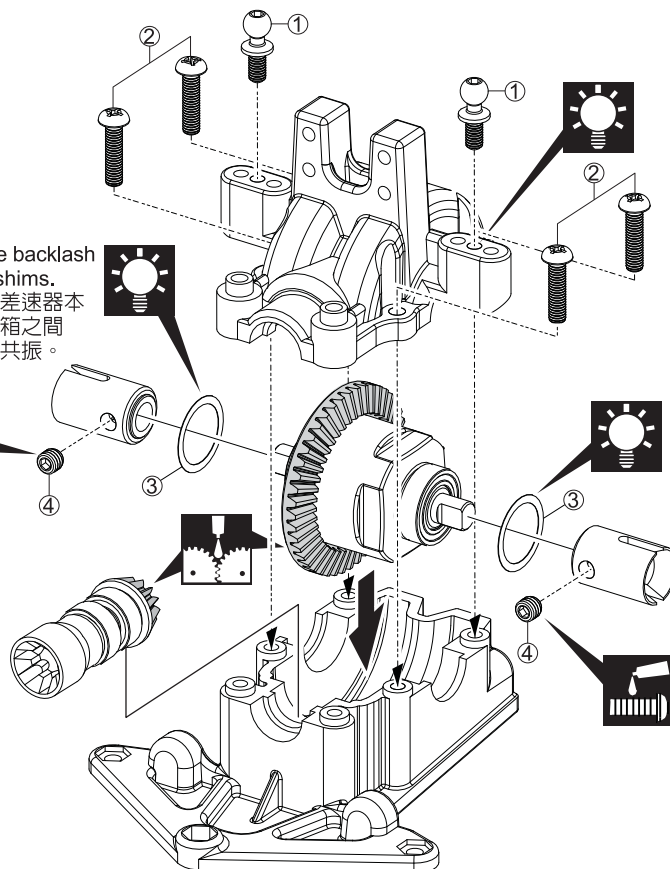
B 適用原廠固定式上臂拉桿

A B 適用改裝可調式上臂拉桿

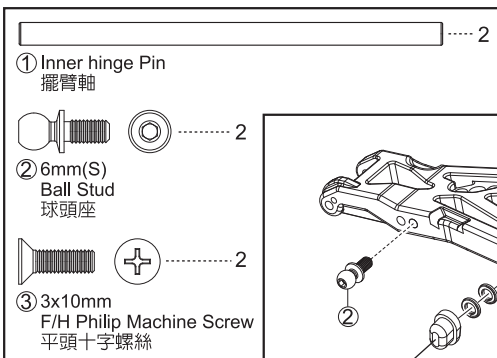
X 非原廠建議調整孔位



Adjust the backlash with the shims.
用來調整差速器本體與齒輪箱之間距，減少共振。



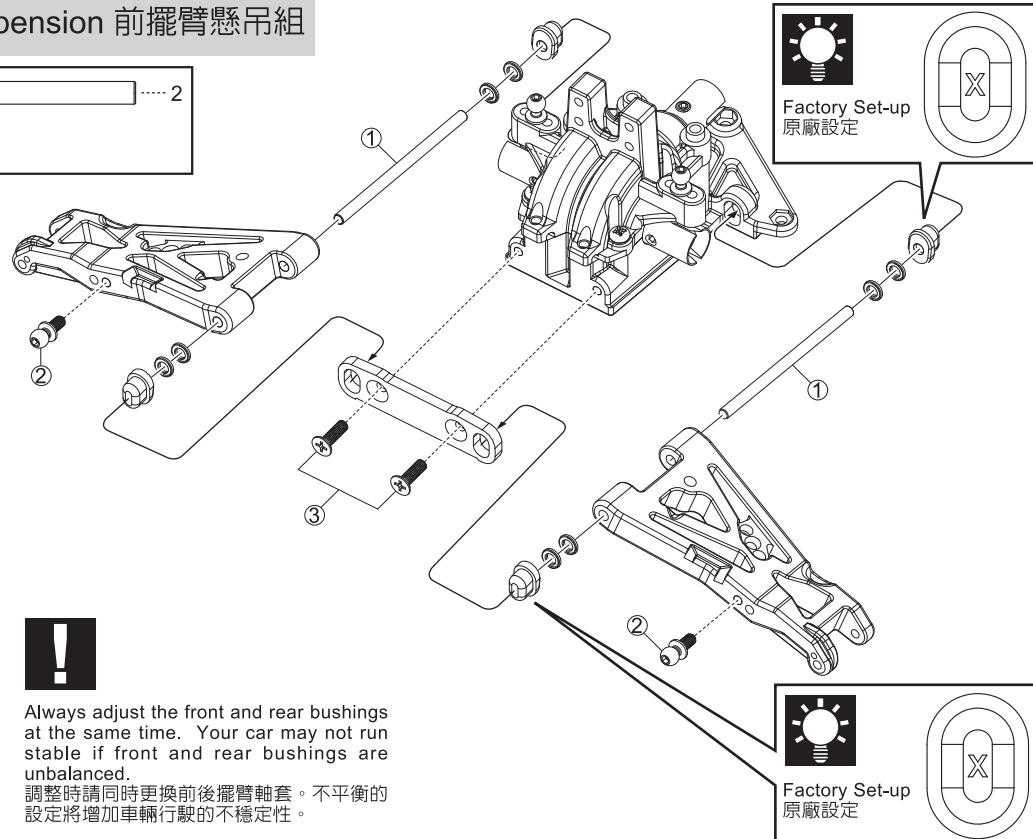
STEP6 Front Suspension 前擺臂懸吊組



Roll Center Position 滾動中心位置	Low 最低	Medium (Factory Set-up) 中間 (原廠設定)	High 最高
arm mount bushings 擺臂軸套			
Track 路況	Low Speed Track 多彎	Medium Speed Track ↔	High Speed Track 高速路面



Always adjust the front and rear bushings at the same time. Your car may not run stable if front and rear bushings are unbalanced.
調整時請同時更換前後擺臂軸套。不平衡的設定將增加車輛行駛的不穩定性。



Hint
組裝提示



Apply grease
使用潤滑油膏 (黃油)



Apply threadlocker
使用螺絲防鬆膠



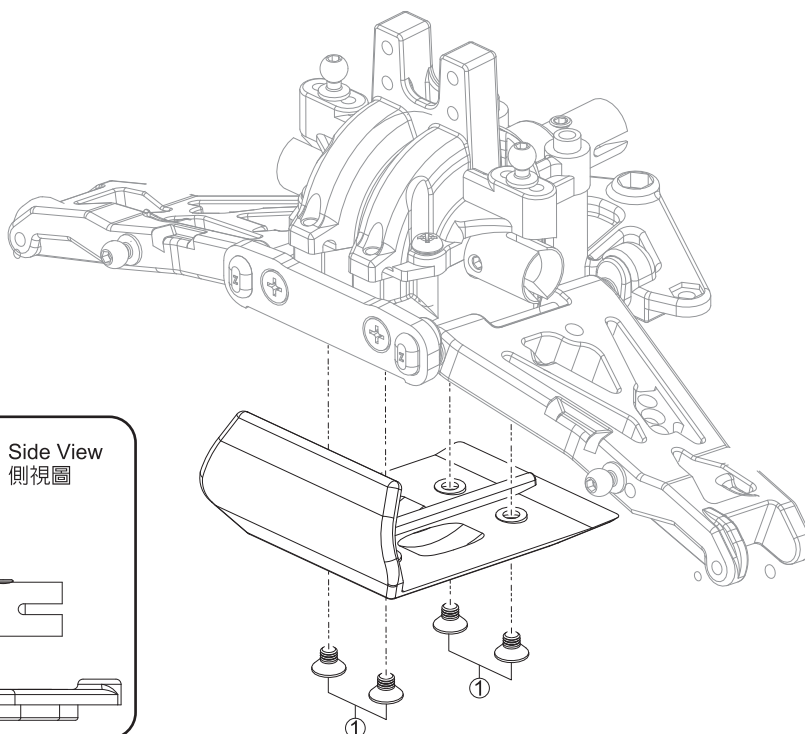
Pay close attention here
注意組裝步驟

STEP6

Front Suspension 前擺臂懸吊組

〈Front Bumper〉
〈前防撞板〉

- ① 3x5 mm
F/H Philip Machine Screw
平頭十字螺絲



Side View
側視圖

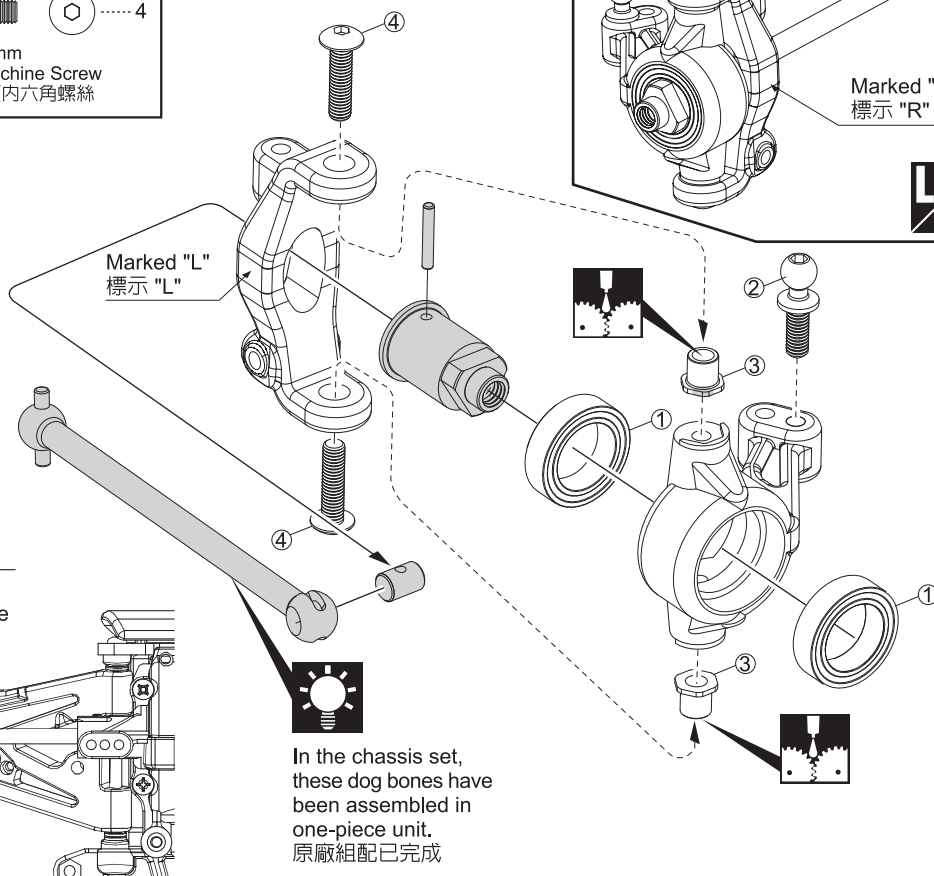
STEP6

Front Suspension 前擺臂懸吊組

〈For Left〉
〈左側組件〉

- ① 10x15x4 mm
Ball Bearing
軸承
- ② 6mm(L)
Ball Stud
球頭座
- ③ Caster Block Bushing
C型輪座

- ④ 3x10 mm
BT Machine Screw
半圓頭內六角螺絲



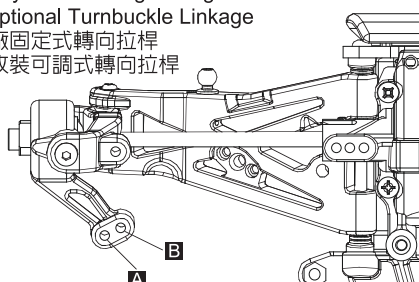
Marked "L"
標示 "L"

Marked "R"
標示 "R"



Toe Adjustment
前束角調整

- A For Ready Set Steering Linkage
A For Optional Turnbuckle Linkage
A 適用原廠固定式轉向拉桿
A 適用改裝可調式轉向拉桿



In the chassis set,
these dog bones have
been assembled in
one-piece unit.
原廠組配已完成



Assemble left and right side the same way
左右側組件相同



Hint
組裝提示



Apply grease
使用潤滑油膏(黃油)

STEP7 Shock Absorber 避震器組

① 2.5mm E-Clips E字扣

② Shock Eyelet 避震軸球頭

③ 2.8x1.9 mm O-Ring O型環

④ Shock Shaft 避震器軸

⑤ Shock Shaft 避震器軸

Attach the shock eyelet onto the shock shaft until it reaches the mark line on the shaft.
將避震球器頭鎖附於芯軸直到球頭上緣到達刻線。

Cover the shaft with cloth before gripping it with pliers. 組裝避震球頭時，可以用布料包覆芯軸，以避免芯軸被尖嘴鉗刮傷。

Front x2 前2組

Rear x2 後2組

oil Pull down the piston and slowly fill in the silicon oil. The factory set-up of the shock is #500 of silicon oil for the front and rear shock absorbers.
重新裝填矽油時，請先將活塞及避震軸下拉，然後緩注入避震器矽油于套筒內。原廠避震器設定為前後避震器皆使用#500號矽油。

Piston 活塞

Then gently move the shaft/piston up and down to get rid of the bubbles.
緩慢地將活塞及避震軸上下移動使得套筒之氣泡能快點消失。

Add silicon oil one more time up to the brim. 等所有氣泡都消失後再將液面補滿。

Put the shock bladder on the shock body, wipe off excess oil and tighten the shock cap.
將避震器封套置於套筒上端並下壓結合，擦拭多餘之矽油並鎖上避震器上蓋。

x4 Ensure the piston moves smoothly 最後再確認避震器活塞是否移動順暢無阻。

Use 6 mm preload spacer for front. Use 8 mm preload spacer for rear.
使用6mm避震器套筒調整夾片來調整避震器彈簧之鬆緊度。

Front x2 前2組

Rear x2 後2組

x4 Compress the spring and install spring cup. 將下定位套固定于彈簧下緣。

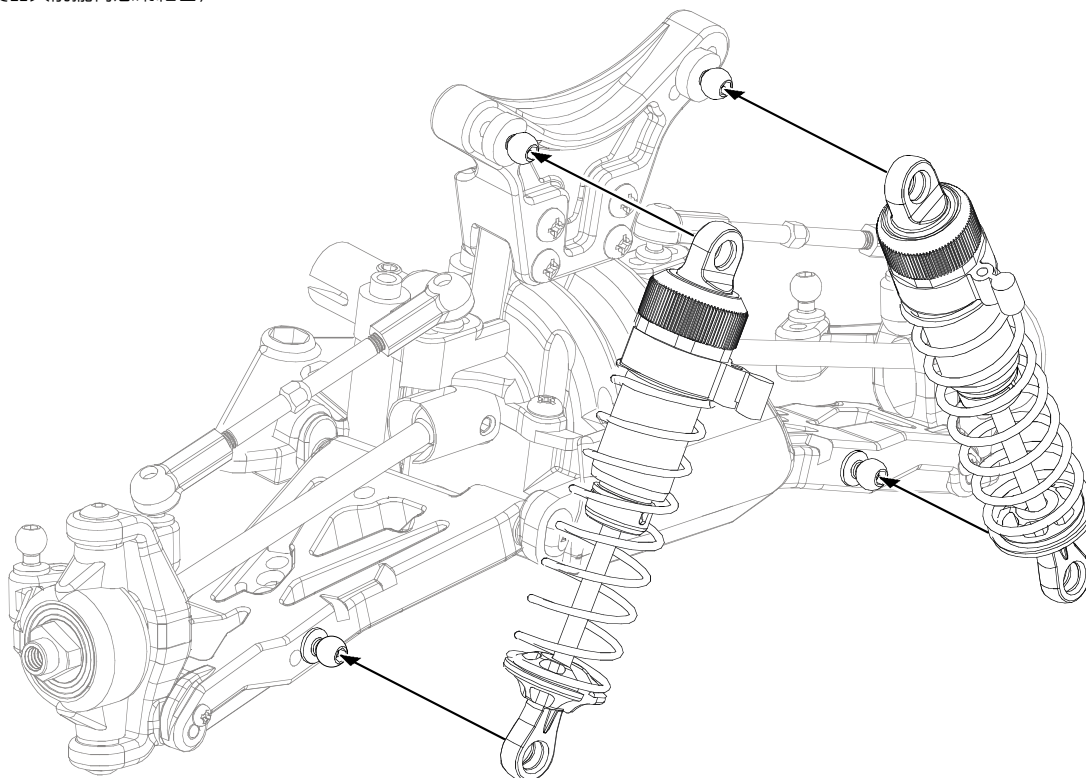
Hint
組裝提示

oil Apply silicon oil
使用模型專用矽油

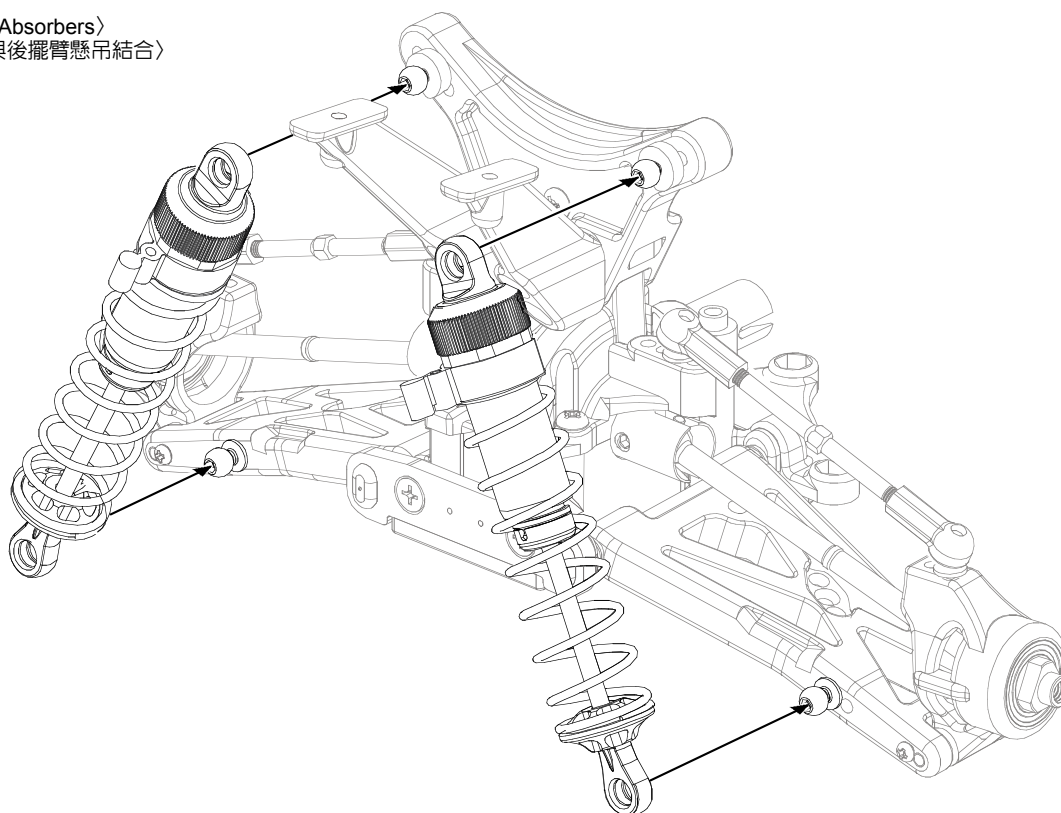
x2 x4 Assemble as many times as specified
依指示組裝所需數量

STEP7 Shock Absorber 避震器組

〈Front Shock Absorbers〉
〈將前避震器與前擺臂懸吊結合〉

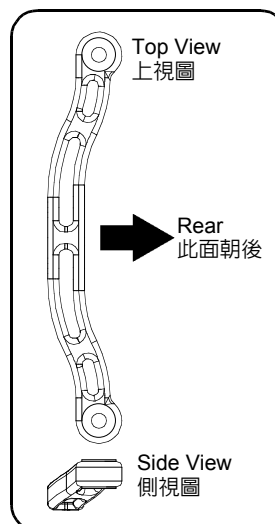
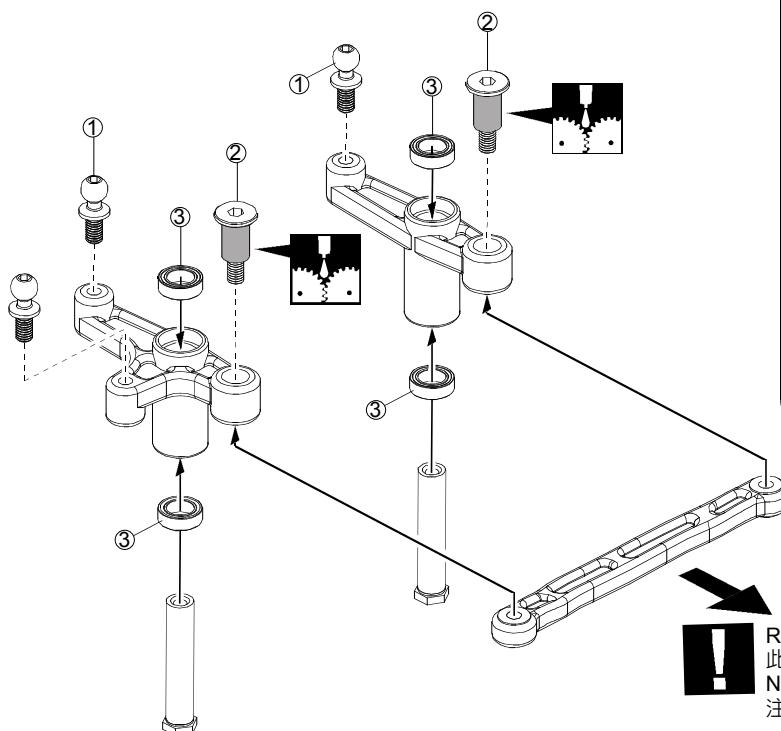


〈Rear Shock Absorbers〉
〈將後避震器與後擺臂懸吊結合〉



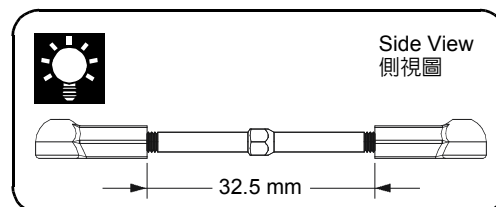
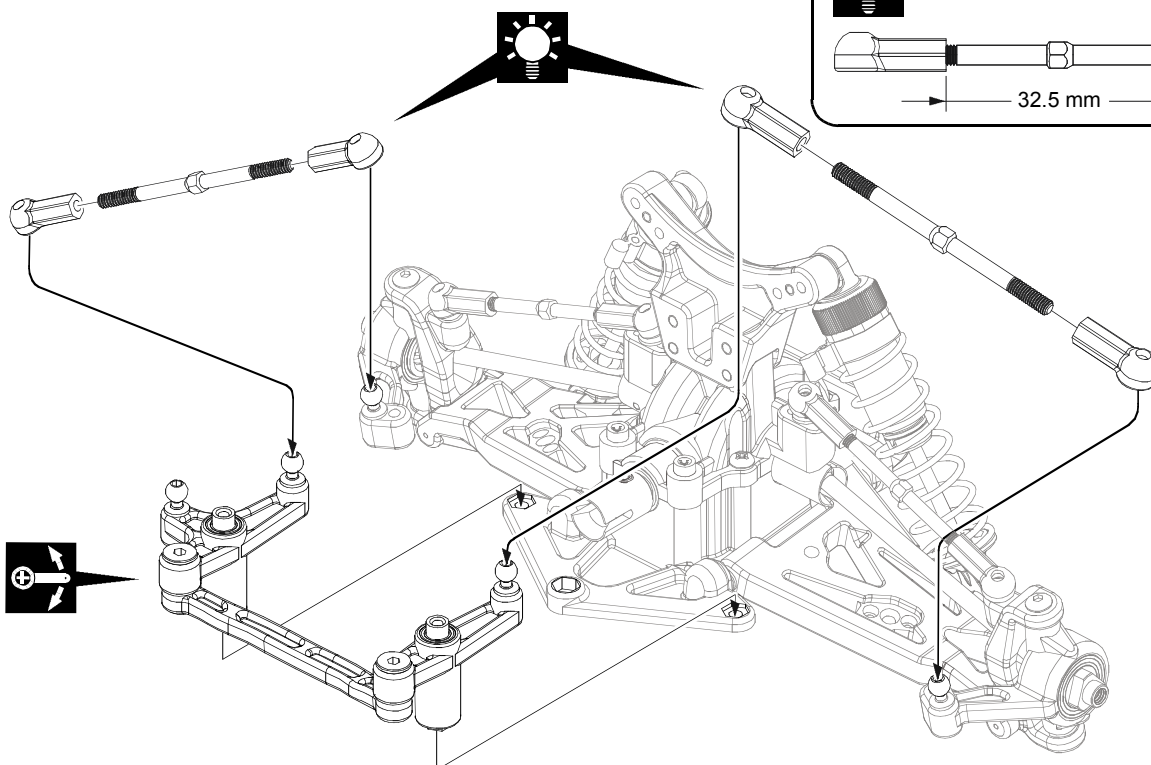
STEP8 Steering Bellcrank 轉向曲柄組

- ① 6mm(L) Ball Stud 球頭座
- ② Swing Post Screw 轉向曲柄固定螺絲
- ③ 5x8x2.5mm Ball Bearing 軸承



! Rear
此面朝後
Note direction
注意組裝方向

STEP8 Steering Bellcrank 轉向曲柄組



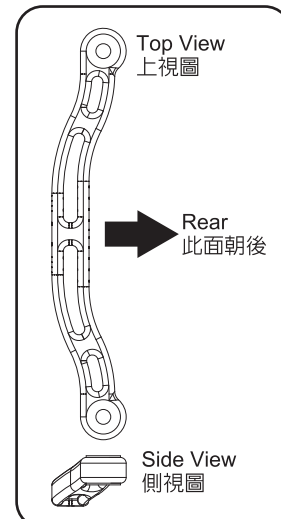
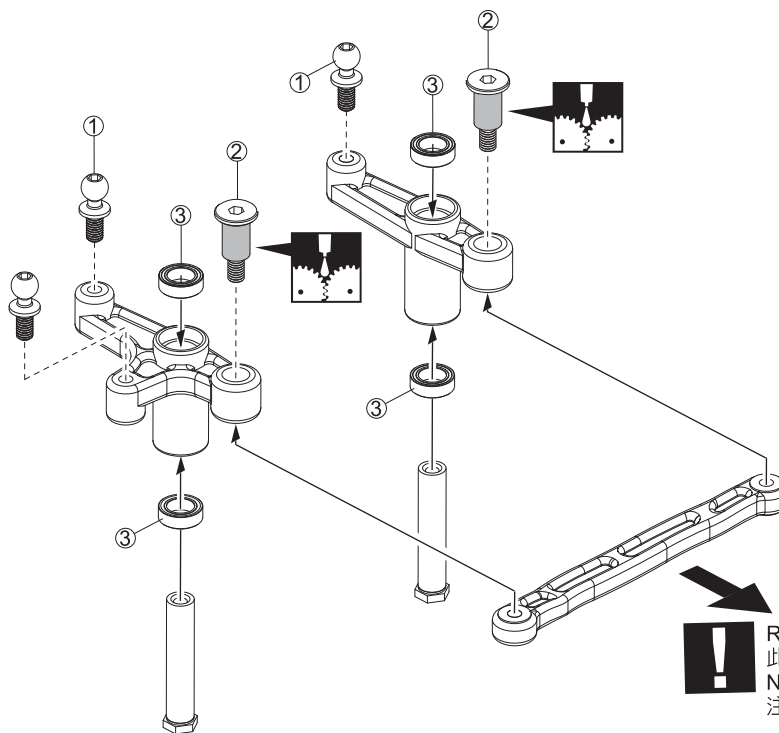
! Apply grease
使用潤滑膏 (黃油)

! Pay close attention here
注意組裝步驟

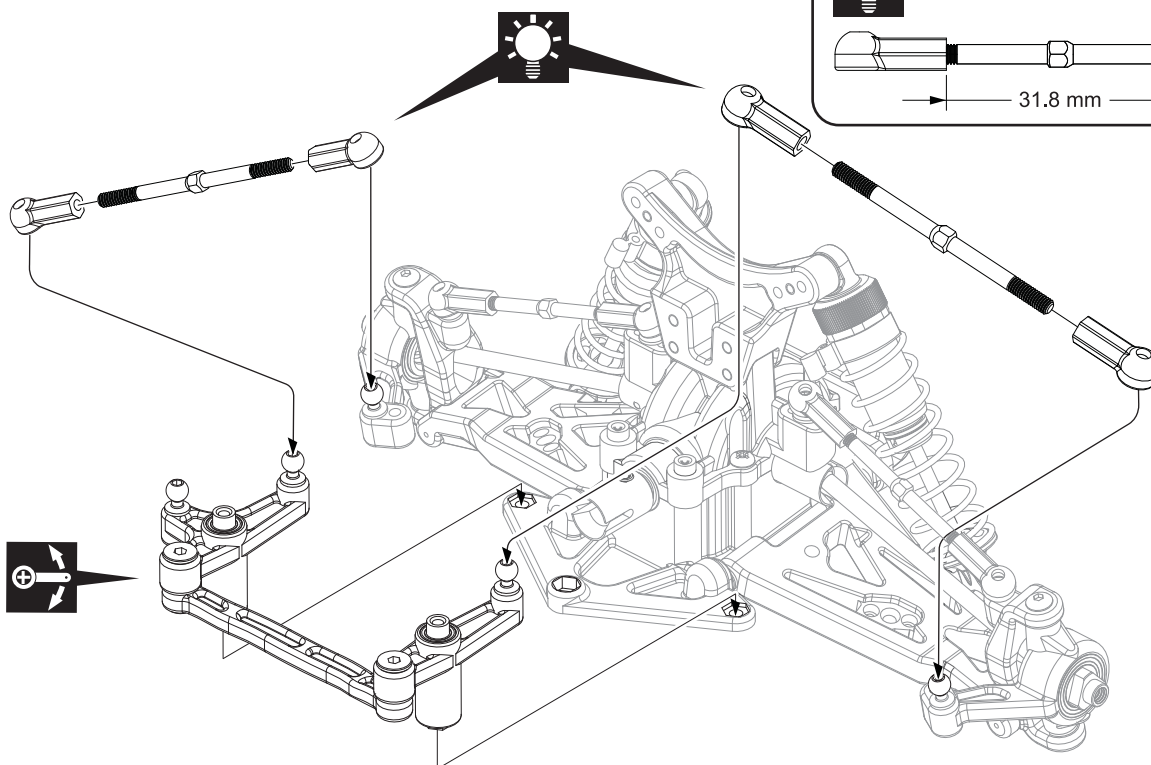
+ Ensure smooth, non-binding movement
when assembling
確認組件靈活度

STEP8 Steering Bellcrank 轉向曲柄組

- ① 6mm(L) Ball Stud 球頭座
- ② Swing Post Screw 轉向曲柄固定螺絲
- ③ 5x8x2.5mm Ball Bearing 軸承



STEP8 Steering Bellcrank 轉向曲柄組



Apply grease
使用潤滑油膏 (黃油)

Pay close attention here
注意組裝步驟

Ensure smooth, non-binding movement
when assembling
確認組件靈活度

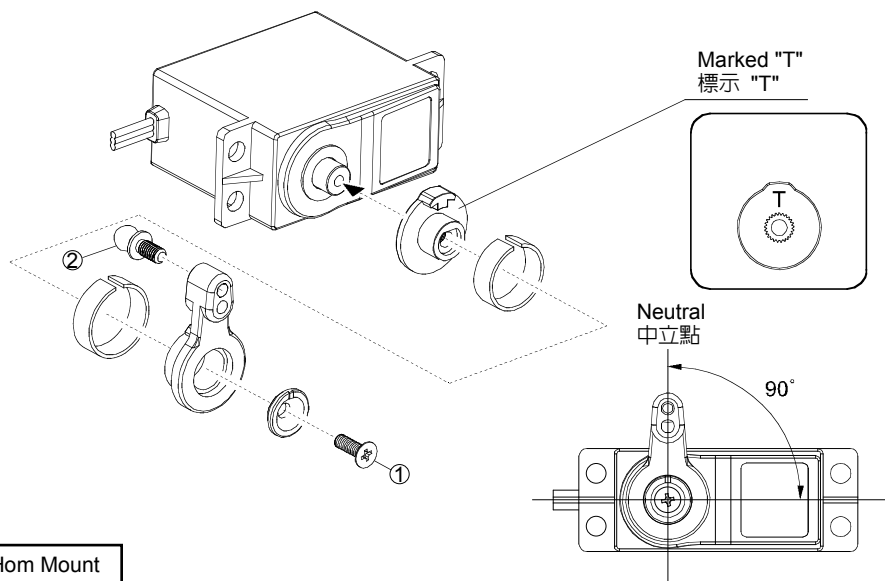
STEP11 Steering Servo 轉向伺服機



① 3x10mm
F/H Self-Tapping Screw
平頭十字螺絲



② 6mm(S)
Ball Stud
球頭座



Steering Servo Type 轉向伺服機	Servo Horn Mount 拉桿座
ACE R/C S1903/S2008MG	T 
ACE R/C DS1015/DS1313	T 
Airtronics / Sanwa / JR / KO	A 
Futaba	T 
Hitec	H 

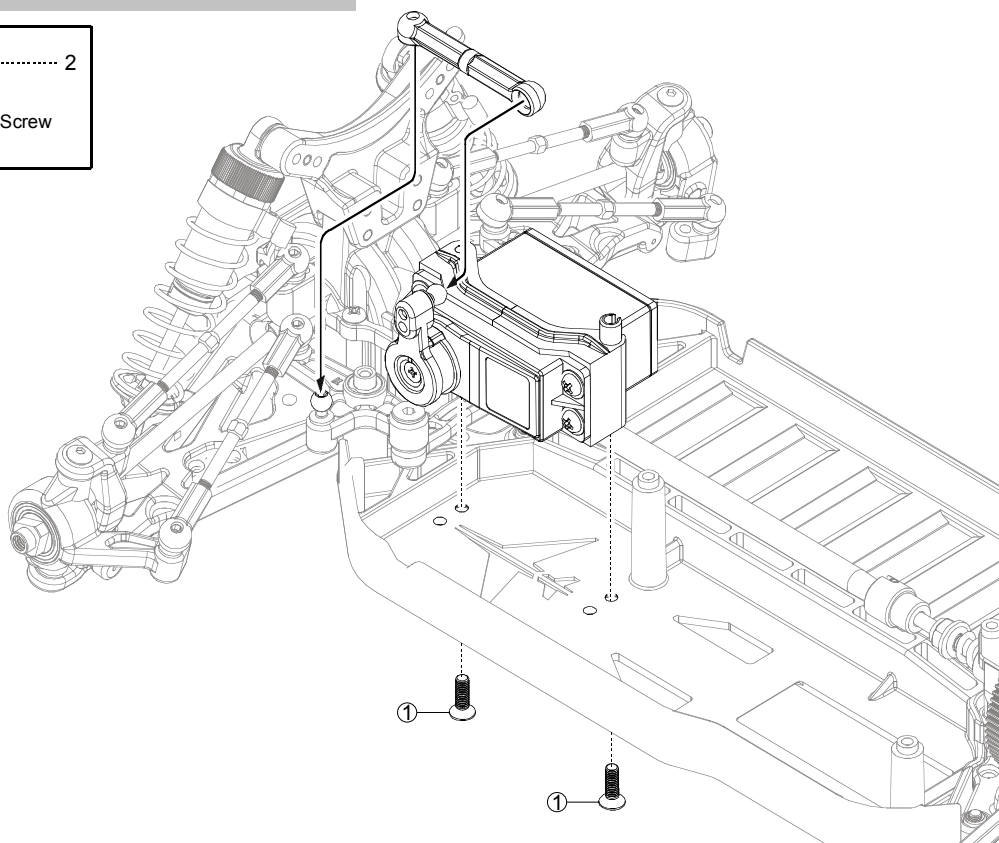
Marked "T" for Thunder Tiger stock servo. Find the appropriate servo horn mount for your servo from the chart. Install the servo horn arm with the stock mounting screw. See the graphic for the correct neutral angle.

標示 "T" 搭配原廠伺服機使用。請參考列表找尋適合各家廠牌伺服機所使用之拉桿座，然後配合拉桿鎖附於伺服機上。
拉桿角度請依圖示調整於中立位置（約90度）。

STEP11 Steering Servo 轉向伺服機

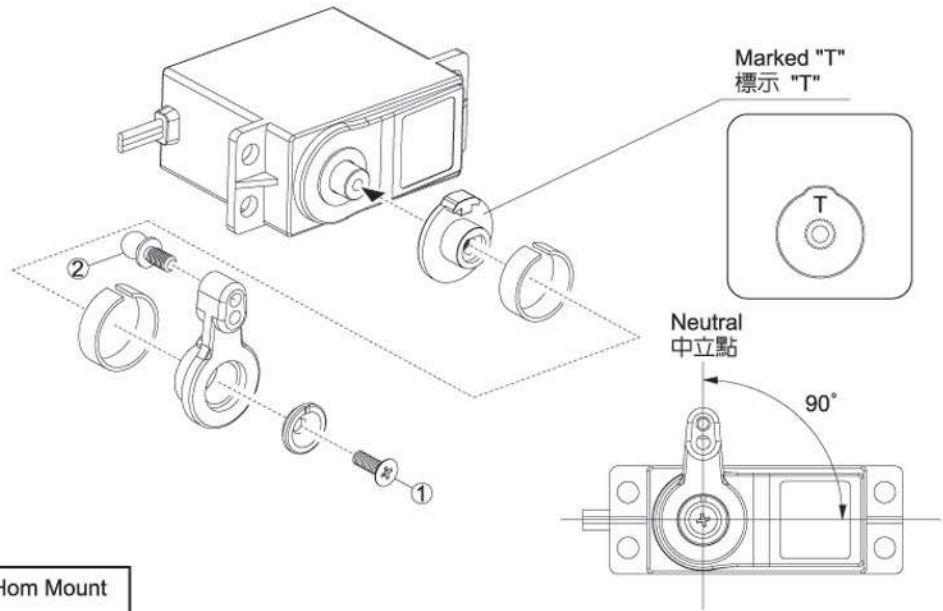


① 3x10mm
F/H Philip Machine Screw
平頭十字螺絲



STEP11 Steering Servo 轉向伺服機

- ① 3x10mm
F/H Self-Tapping Screw
平頭十字螺絲
- ② 6mm(S)
Ball Stud
球頭座



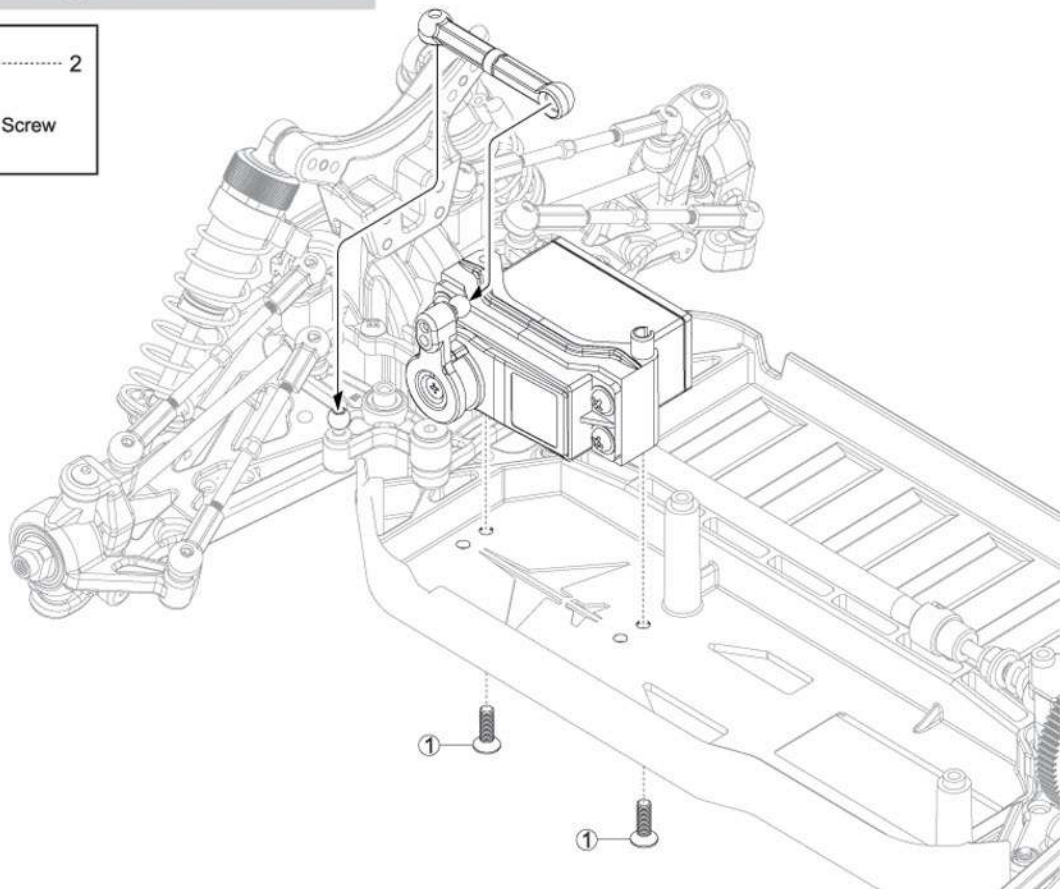
Steering Servo Type 轉向伺服機	Servo Horn Mount 拉桿座
ACE R/C S1903/S2008MG	T
ACE R/C DS1015/DS1313	T
Airtronics / Sanwa / JR / KO	A
Futaba	T
Hitec	H

Marked "T" for Thunder Tiger stock servo. Find the appropriate servo horn mount for your servo from the chart. Install the servo horn arm with the stock mounting screw. See the graphic for the correct neutral angle.

標示"T"搭配原廠伺服機使用。請參考列表找尋適合各家廠牌伺服機所使用之拉桿座，然後配合拉桿鎖附於伺服機上。
拉桿角度請依圖示調整於中立位置（約90度）。

STEP11 Steering Servo 轉向伺服機

- ① 3x10mm
F/H Philip Machine Screw
平頭十字螺絲



STEP12 Motor Pinion Gear 馬達驅動齒



① 2.5x6mm
F/H Self-Tapping Screw
平頭十字螺絲



② 4x10mm
Socket Hex Machine Screw
內六角固定螺絲



③ 3x4mm
BT Machine Screw
半圓頭內六角螺絲

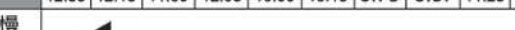


④ 3x4mm
Set Screw
無頭內六角螺絲



⑤ 3x6mm
Washer
墊圈

Gear Ratio Formula
齒輪比計算公式
$$\left(\frac{\text{Spur Gear Teeth}}{\text{Pinion Gear Teeth}} \right) : 1$$

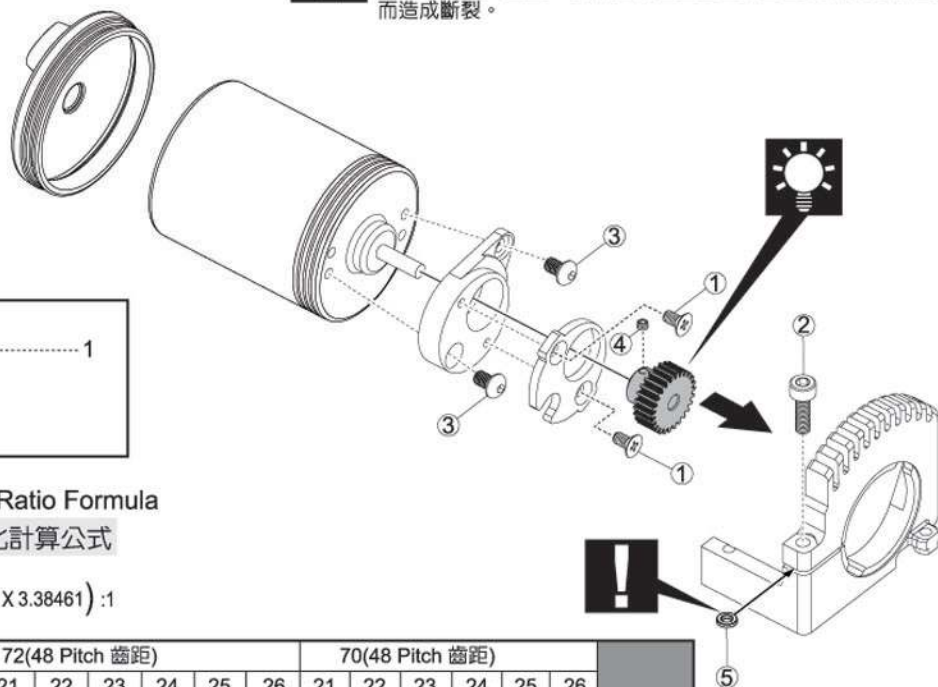
Spur Gear 大齒盤齒數		★ 72(48 Pitch 齒距)								70(48 Pitch 齒距)						
Pinion Gear 馬達驅動齒數		19	★20	21	22	23	24	25	26	21	22	23	24	25	26	
Final Gear Ratio 最終傳動齒比		12.83	12.18	11.60	12.08	10.60	10.15	9.75	9.37	11.28	10.77	10.30	9.87	9.48	9.11	
Max. Speed 極速		Slow 慢														
Acceleration 加速	Good 佳	Bad 差														
Running Time 行駛時間	Long 長	Short 短														

Adjust the gear ratio by changing pinion gears according to the size of the track and other conditions.
藉由更換不同大齒盤齒數與馬達驅動齒數之搭配組合來調整車輛最終傳動齒比以適應不同賽道及實際使用環境之需求。

★ SPARROWHAWK XXB RTR is equipped with 72T spur gear and 20T pinion gear. Thunder Tiger also provides 19T/21T/22T/23T/24T/25T/26T racing pinion gears as optional parts. For other gear ratios, please find optional gears with standard 48pitch from the aftermarket parts.

★ SPARROWHAWK XXB RTR 標準齒數比為 72T/20T, 雷虎科技亦另提供19T/21T/22T/23T/24T/25T/26T之改裝馬達齒供玩家改裝需求。請注意！如需要更多競速齒比搭配，在選購市售改裝馬達齒及大齒盤時需選購標準48P齒距之改裝件方能安裝於本車款上。

! Note: insert a washer into the gap to avoid breakage of motor mount caused by overtightening the screw.
注意確實裝入墊圈，以保護馬達固定座不因固定螺絲鎖附過緊而造成斷裂。



STEP13 Installation of Motor Mount 結合馬達組

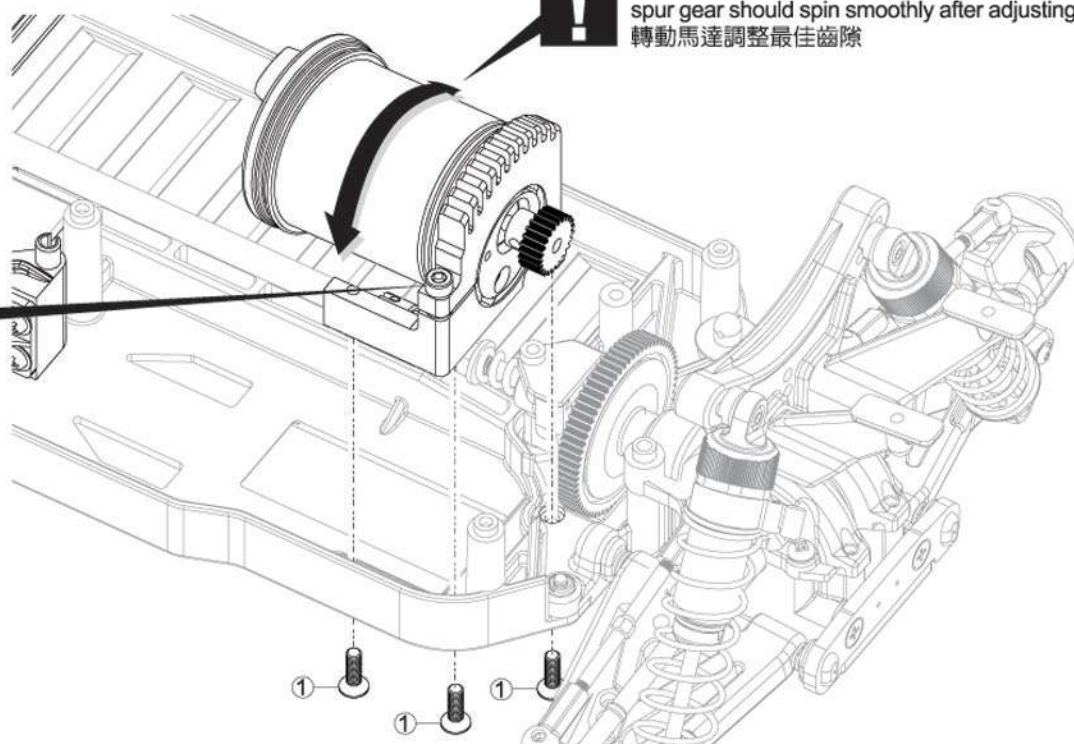


① 3x10mm
F/H Philip Machine Screw
平頭十字螺絲



Tighten the motor mount screw last.
調整完成後再鎖附螺絲

! Turn the motor to find proper gear mesh, the spur gear should spin smoothly after adjusting.
轉動馬達調整最佳齒隙

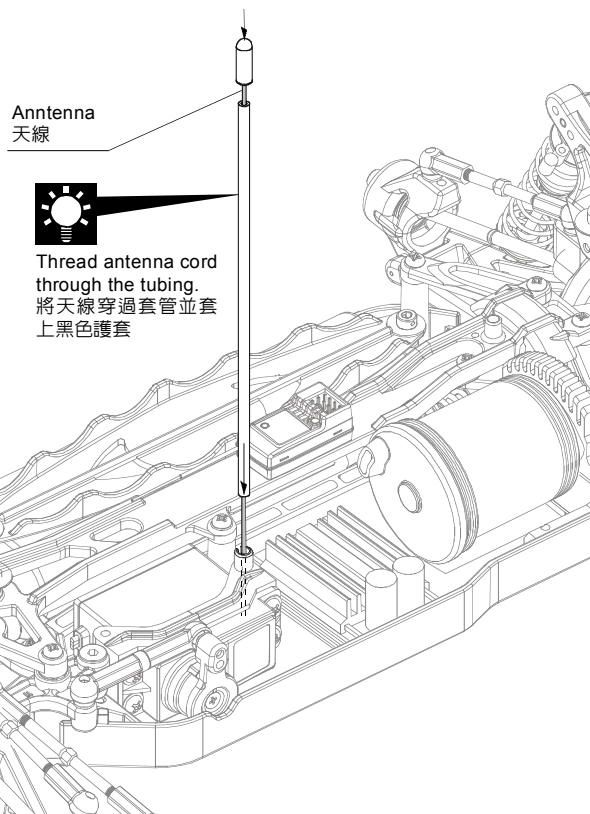
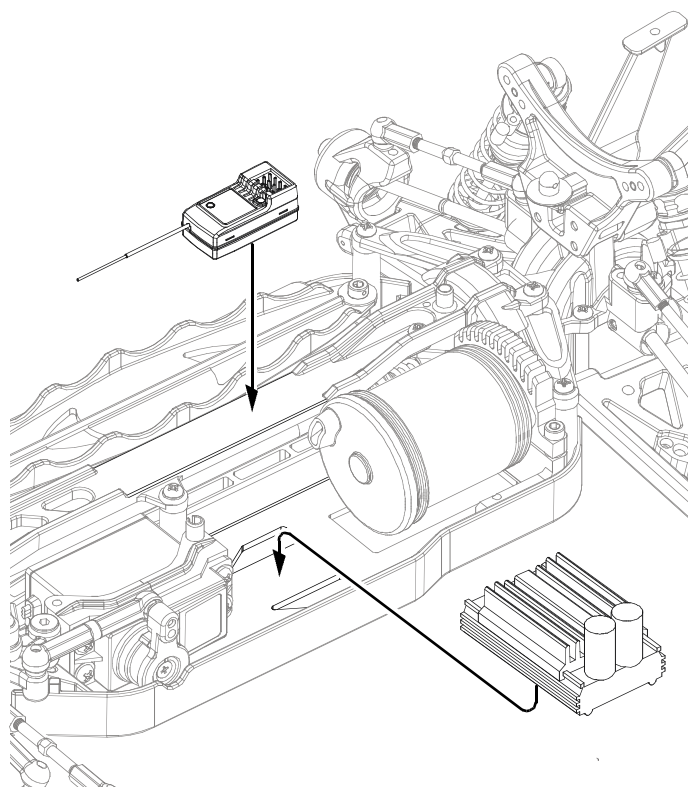


Hint
組裝提示

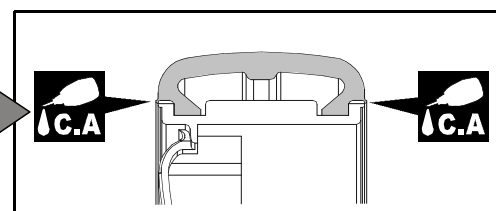
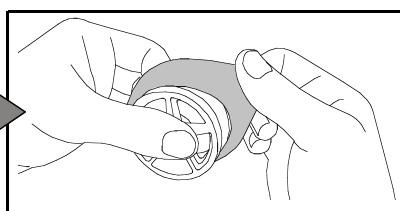
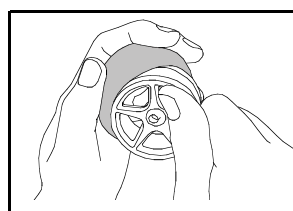
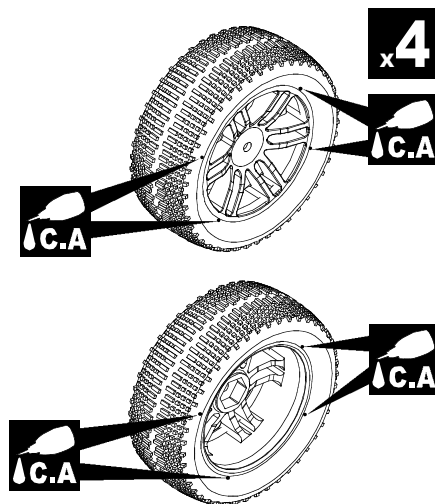
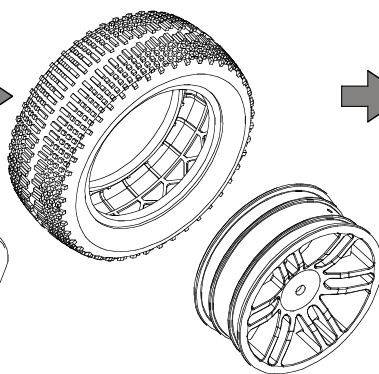
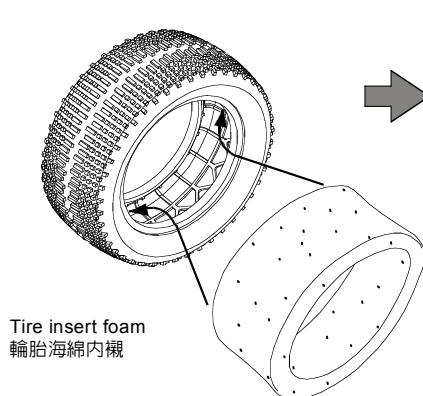


Pay close attention here
注意組裝步驟

STEP16 Receiver & E.S.C. 接收機與速控器



STEP17 Tire/Wheels 輪胎及輪轂



Install the tire onto the wheel. Glue the tire to the wheel with instant glue in four spots around the tire on both sides.

將輪胎（含內襯）與輪轂結合並在胎緣內側點上快乾膠黏合。

Warning: Follow the adhesive instructions for proper use and safety. Wear eye and hand protection.

注意！！使用快乾膠時請注意安全，最好戴上手套及護目鏡以避免危險。



Hint
組裝提示

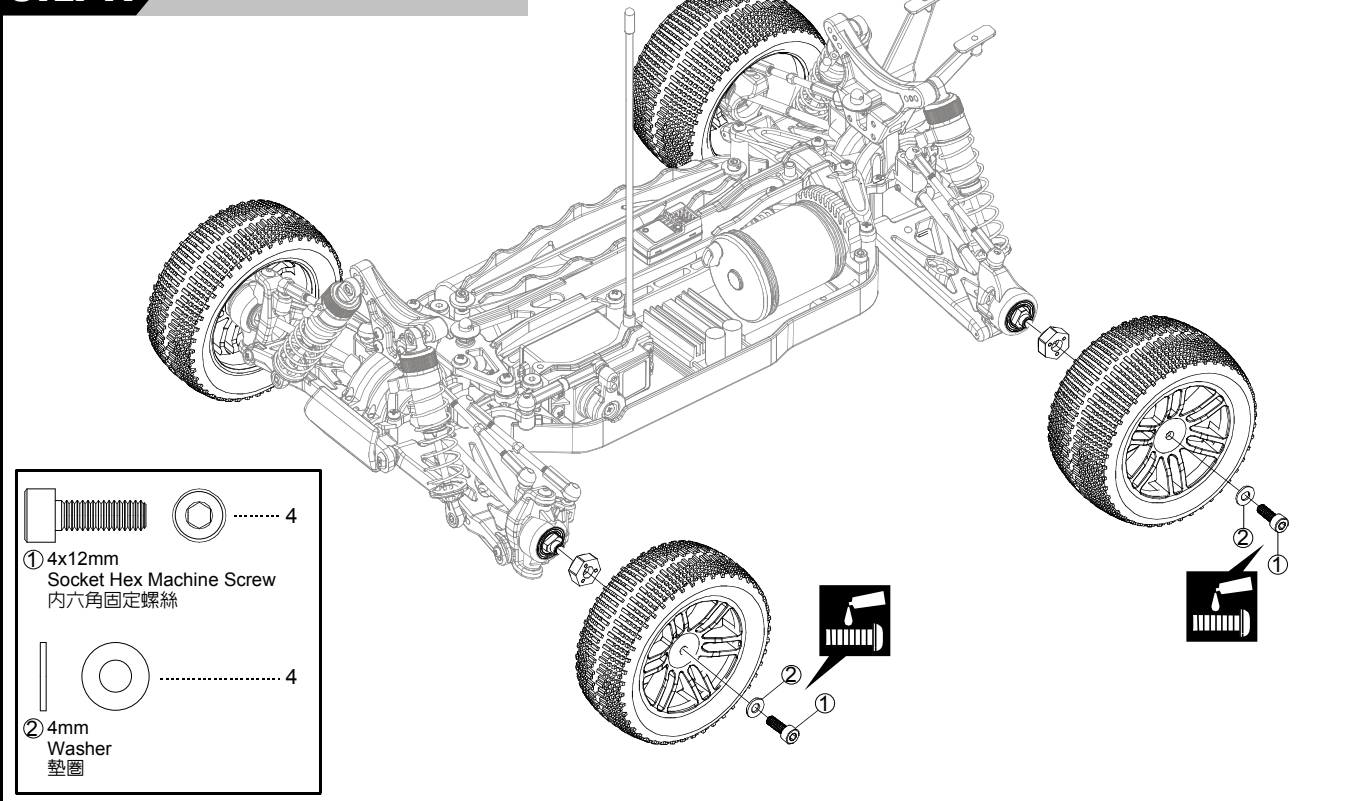


Apply C.A Glue
使用快乾膠黏合

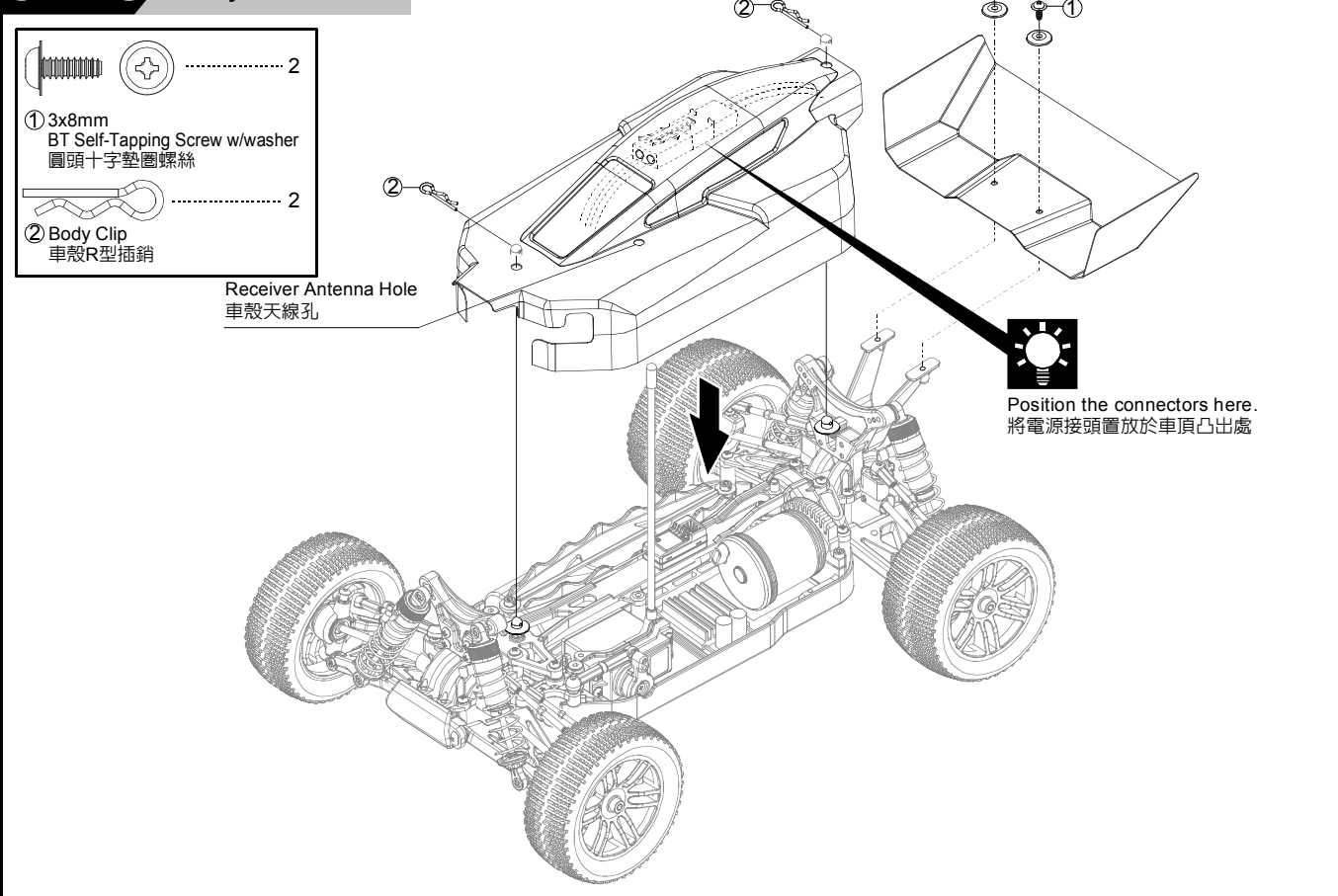


Assemble as many times as specified
依指示組裝所需數量

STEP17 Tire/Wheels 輪胎及輪轂



STEP18 Body Shell 車殼

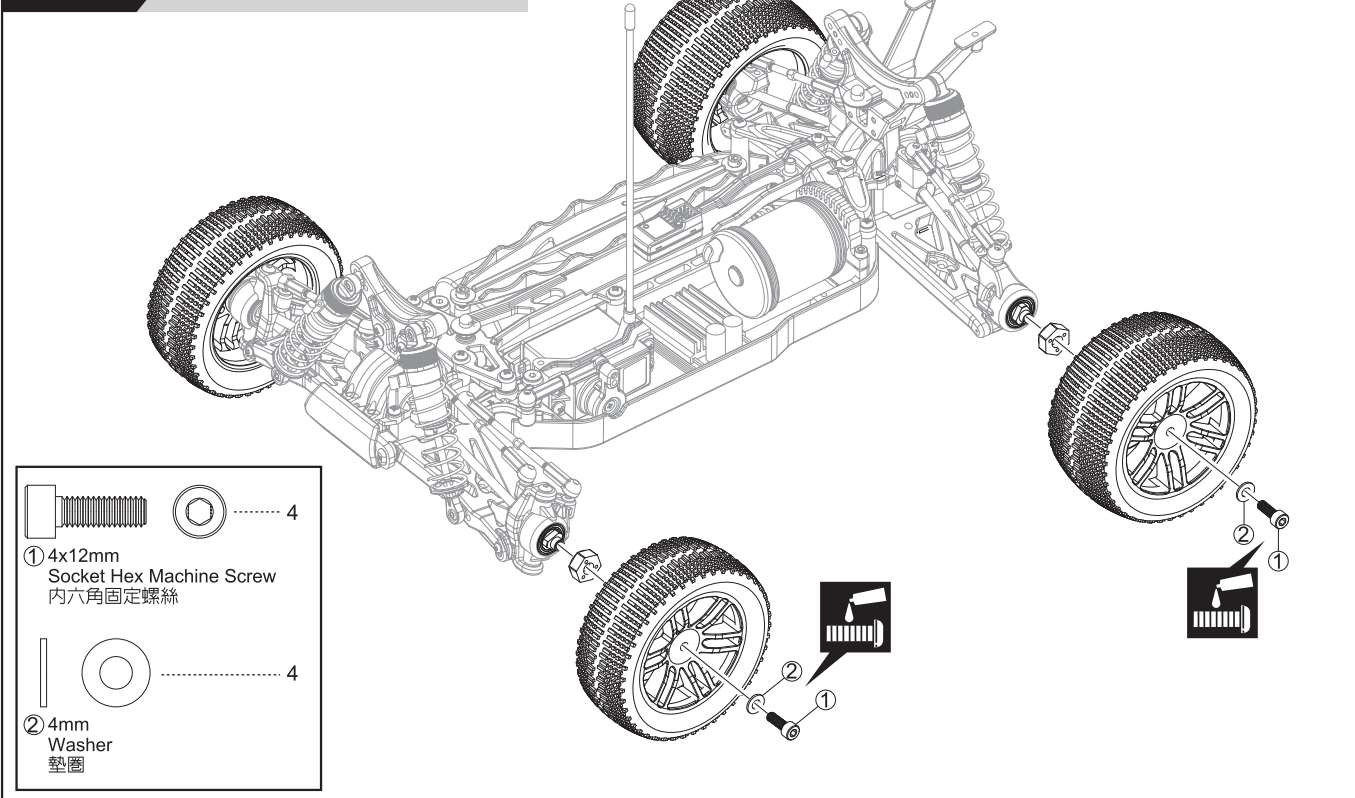


Hint
組裝提示

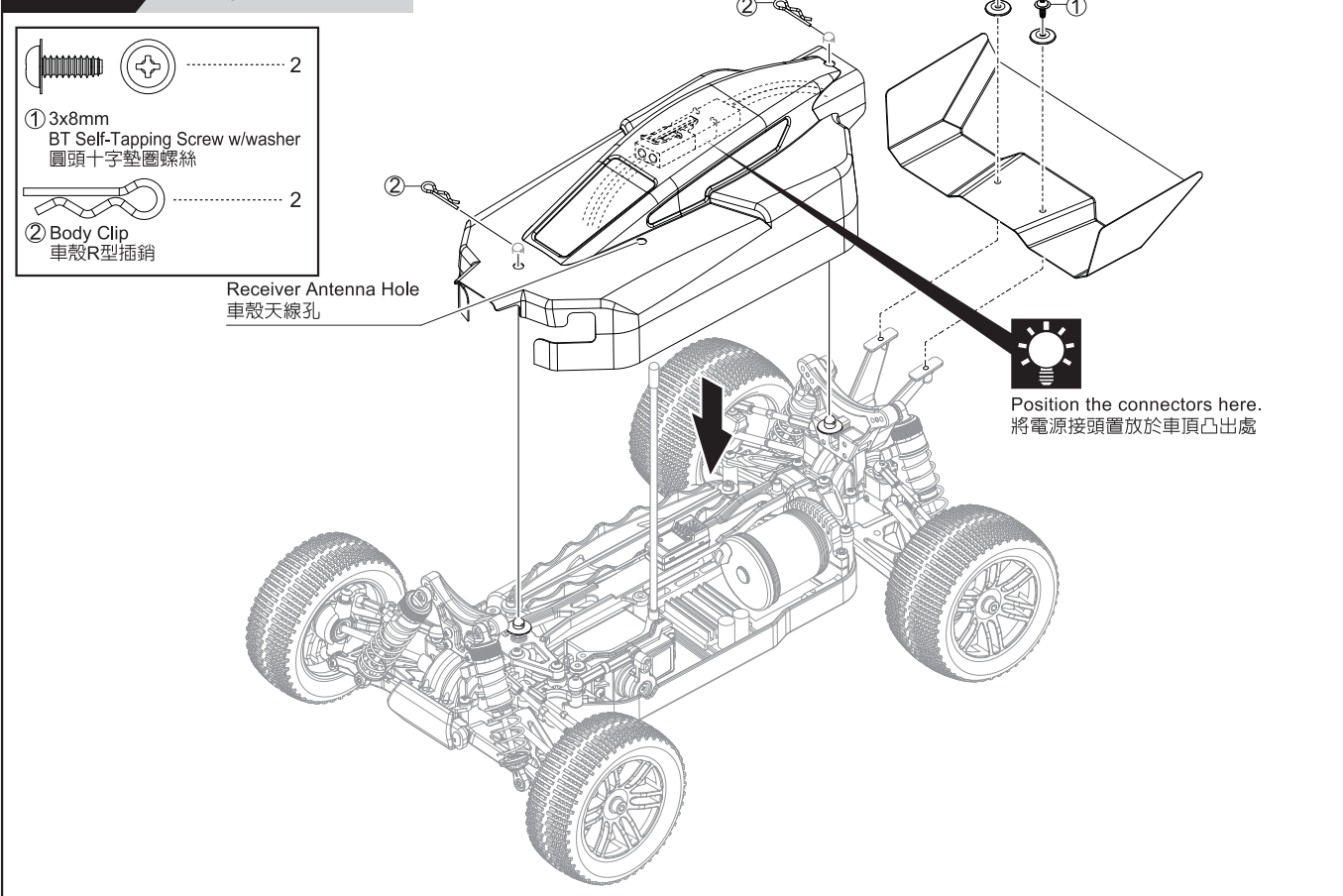


Apply threadlocker
使用螺絲防鬆膠

STEP17 Tire/Wheels 輪胎及輪轂



STEP18 Body Shell 車殼



Hint
組裝提示



Apply threadlocker
使用螺絲防鬆膠

FRONT DIFF ASSEMBLY

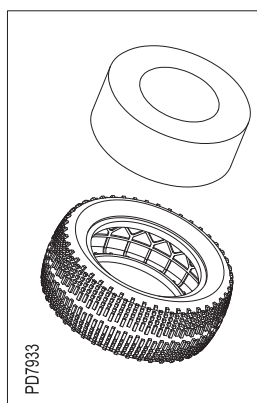
The diagram shows two exploded views of mechanical assemblies, labeled PD7925-T (top) and PD7924-T (bottom). Both assemblies consist of the following components, identified by their part numbers:

- PD9194: A large black O-ring or seal.
- PD7949: A small metal ring or washer.
- PD8008: A small metal ring or washer.
- PD1569: A small metal ring or washer, shown in two positions relative to PD8008.
- PD7927: A long, thin metal rod or pin.
- PD7926: A large metal cylinder or housing.
- PD9102: A small metal ring or washer.
- PD7962-R: A coiled metal spring.
- PD9102: A small metal ring or washer.
- PD9103: A small metal ring or washer.

The components are arranged in a linear sequence, with the PD7926 housing being the central component. The PD7925-T assembly includes a PD9194 O-ring, while the PD7924-T assembly does not.

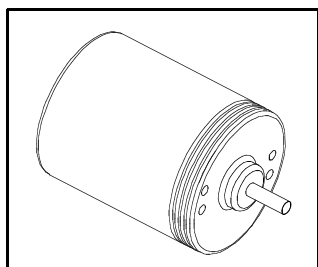
REAR DIFF ASSEMBLY

PD7933

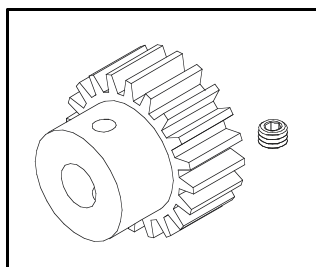


[illegible]

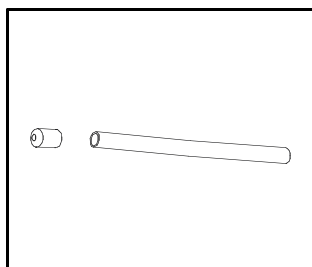
SPARROWHAWK XXB PARTS 零件表



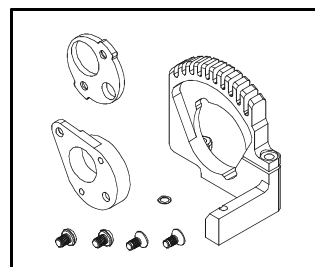
2344 BL MOTOR IBL36/39-540C
無刷馬達



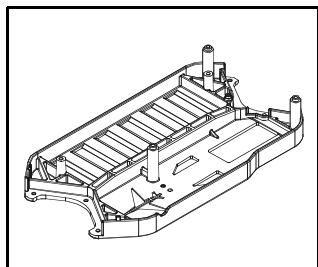
PD7034 MOTOR PINION GEAR, 20T
馬達驅動齒, 20T



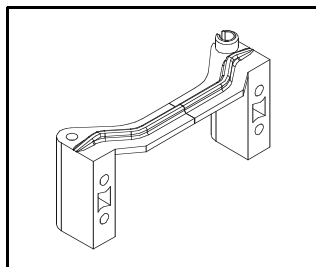
PD7712 ANTENNA BAG
天線套管



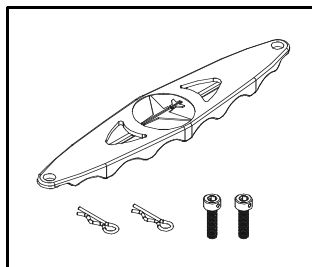
PD7837 MOTOR MOUNT
馬達固定座



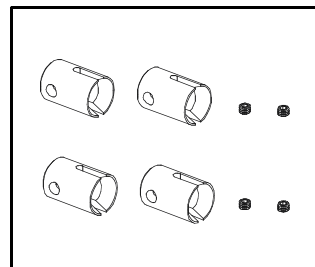
PD7845 CHASSIS
車底盤



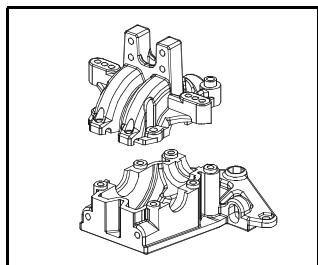
PD7846 SERVO MOUNT
伺服機座



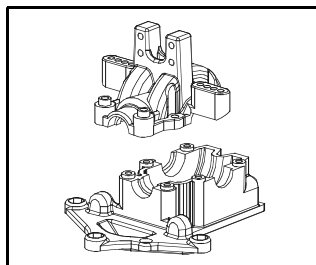
PD7847 BATTERY BRACE
電池夾片



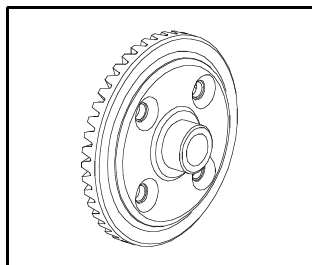
PD7864 OUTDRIVE CUPS
傳動軸套



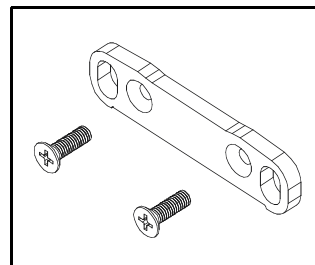
PD7901 FRONT BULK SET
前差速箱上下蓋組



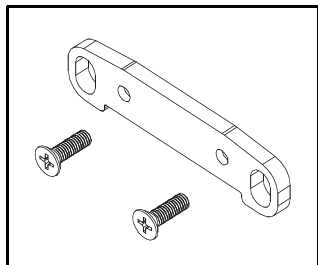
PD7902 REAR BULK SET
後差速箱上下蓋組



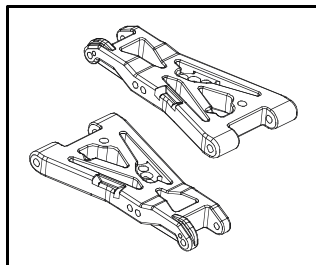
PD7905 DIFF SPUR GEAR 44T
差速大傘齒



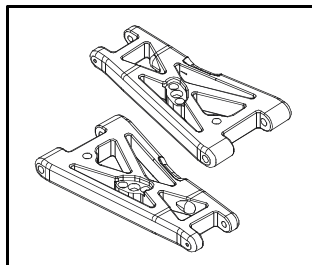
PD7915 FRONT TOE PLATE
前投影板



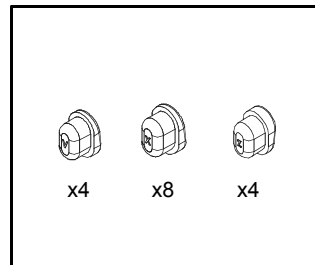
PD7916 REAR TOE PLATE
後投影板



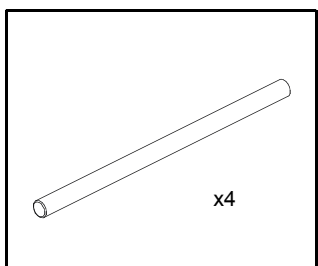
PD7917 FRONT SUSP. ARMS
前擺臂組



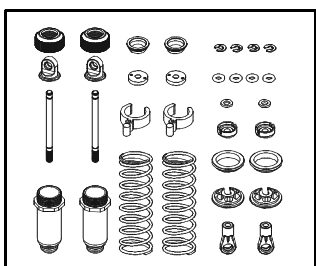
PD7918 REAR SUSP. ARMS
後擺臂組



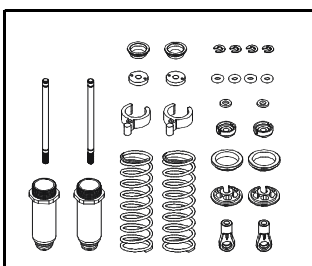
PD7920 SUSP. ARM MOUNT BUSHING
前避震器組



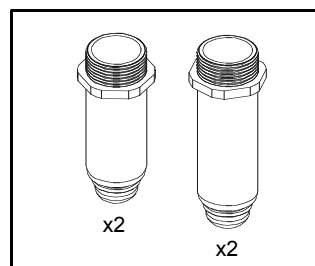
PD7921 INNER HINGE PIN SET
擺臂插銷



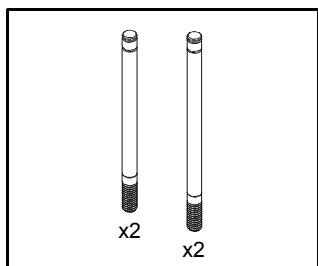
PD7924-T FRONT SHOCK SET
前避震器組



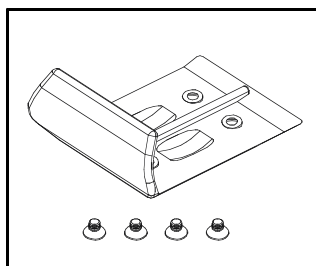
PD7925-T REAR SHOCK SET
後避震器組



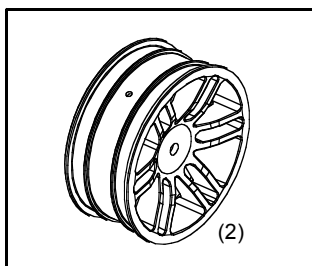
PD7926 SHOCK BODY SET
避震器套筒



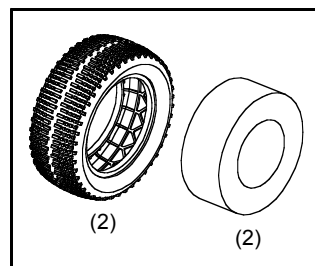
PD7927 SHOCK SHAFT
避震器軸



PD7931 BUMPER
前防撞板

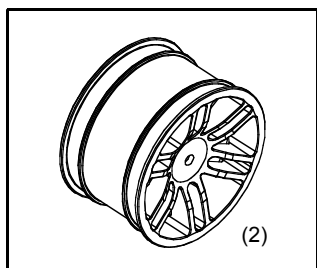


PD7932 FRONT WHEEL 33mm(B)
前輪殼(黑色)

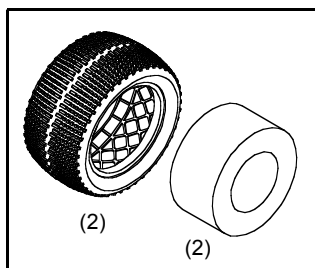


PD7933 FRONT TIRE W/FOAM 33mm
前輪胎

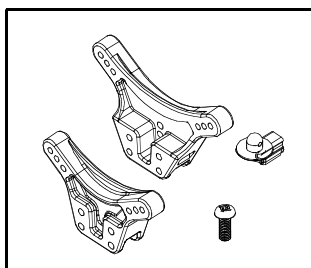
SPARROWHAWK XXB PARTS 零件表



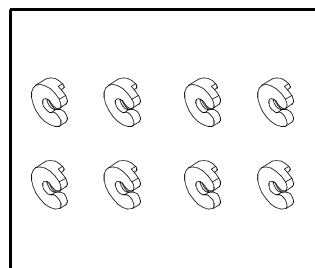
PD7934 REAR WHEEL 43mm(B)
後輪殼(黑色)



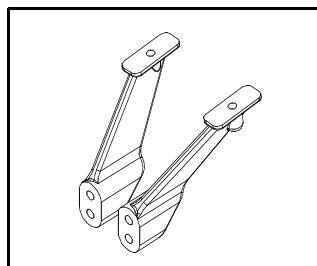
PD7935 REAR TIRE W/FOAM 43mm
後輪胎



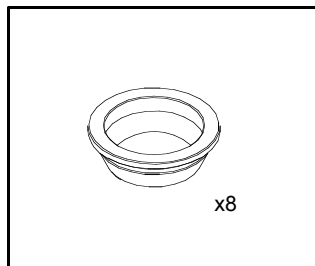
PD7936-1 SHOCK TOWER SET
避震器支架



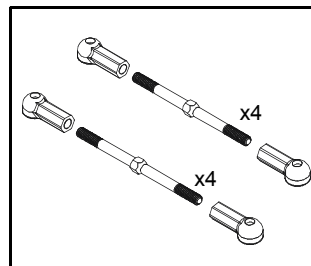
PD7937 BALL STUD SPACER
避震器球頭垫片



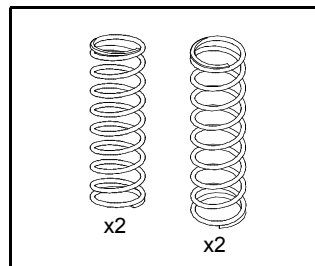
PD7938 REAR WING MOUNT
尾翼支架



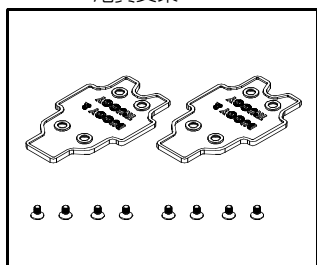
PD7947 SHOCK BLADDER
空氣活門



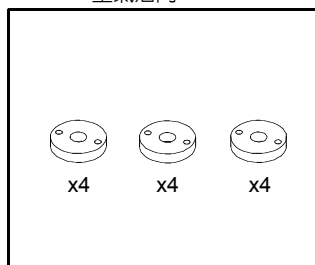
PD7954 METAL TURNBUCKLE SET
金屬拉桿組



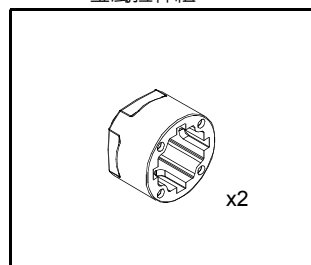
PD7962-R SHOCK SPRING(R)
避震器彈簧組



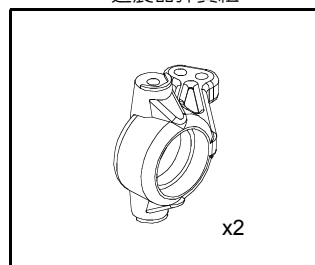
PD7998 BULK LOWER COVER
差速箱下蓋板



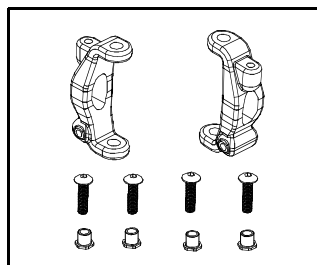
PD8098 SHOCK PISTON SET
避震器活塞



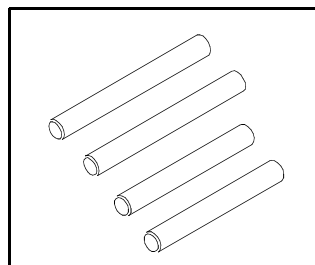
PD9051 DIFFERENTIAL CASE
差速器本體



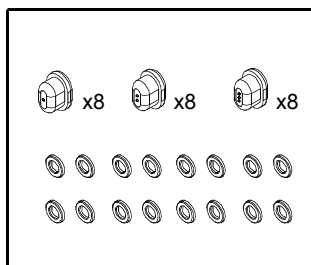
PD9077 STEERING BLOCK SET
轉向臂



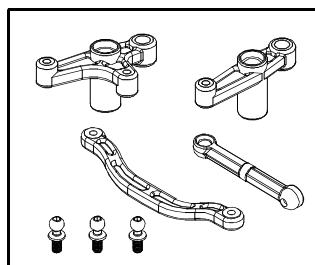
PD9078 CASTER BLOCK SET
C型座組



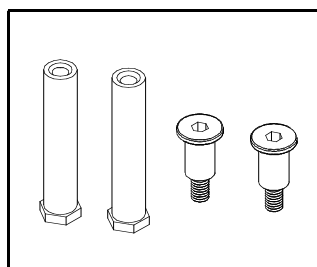
PD9080 OUTER HINGE PIN SET
軸承針組



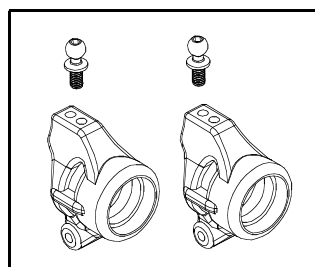
PD9082 SUSP. ARM MOUNT BUSHING
後擺臂軸套



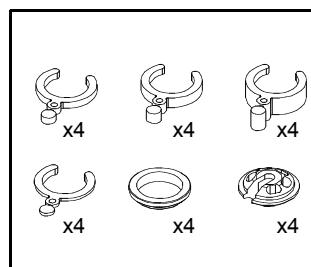
PD9086 SWING RACK SET
轉向曲柄組



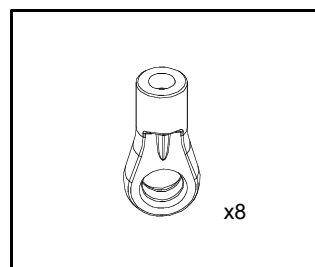
PD9087 SWING POST SCREW
轉向軸



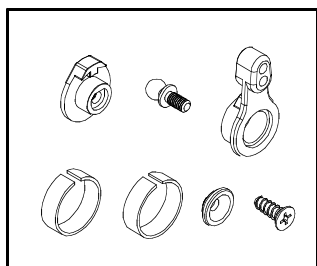
PD9090 HUB CARRIER SET
後輪座



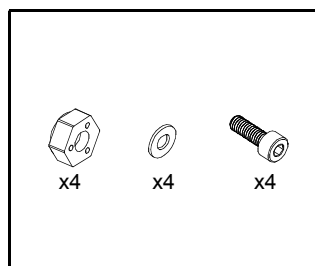
PD9102 SHOCK ACCESSORIES, MMGT
避震器配件



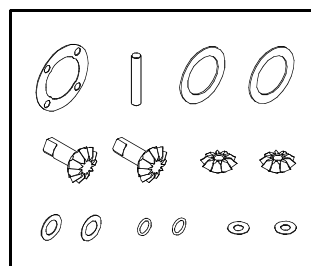
PD9103 SHOCK EYELET, TA
避震器球頭拉桿



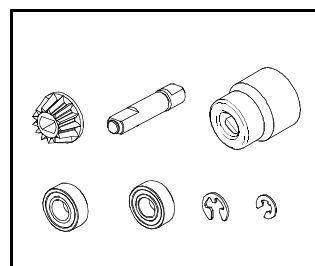
PD9107 STEER SERVO HORN SET
轉向拉桿後衝組



PD9110 HXE ADAPTER SET
六角輪殼轉座組

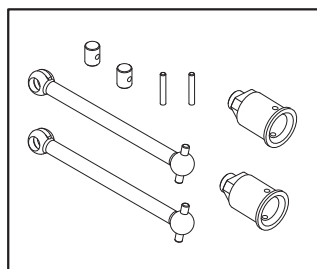


PD9178 DIFF GEAR SET
差速齒輪組

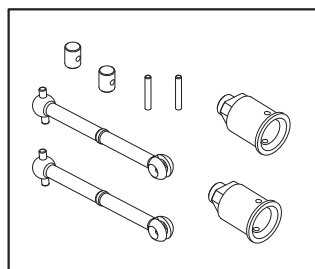


PD9179 DRIVE PINION SET 13T
差速小傘齒

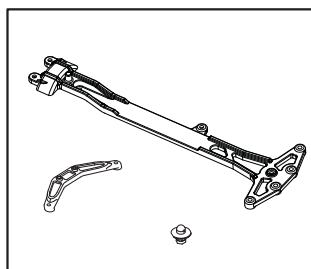
SPARROWHAWK XXB PARTS 零件表



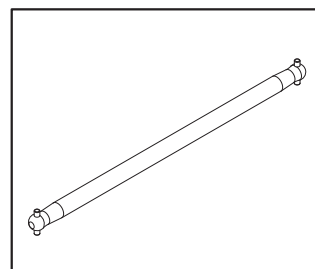
PD9180 FRONT UNIVERSAL SHAFT
前傳動軸



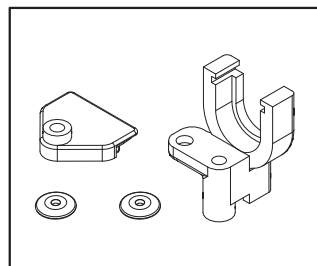
PD9181 REAR UNIVERSAL SHAFT
後傳動軸



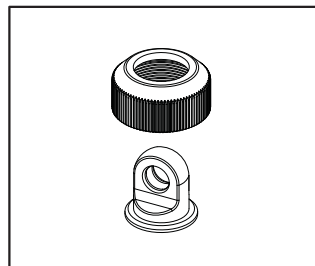
PD9182 TOP PLATE
二樓板



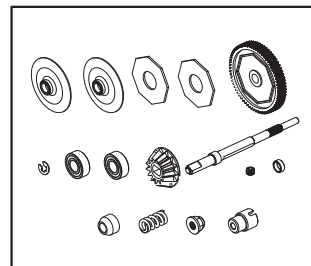
PD9183 ALUM MAIN DRIVE SHAFT
鋁合金中央轉動軸



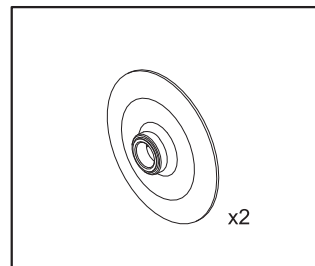
PD9184 SWING POST SCREW
主齒輪固定座



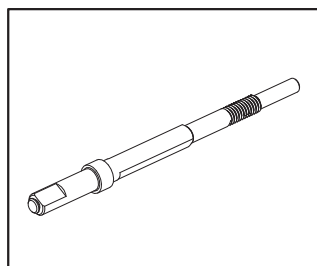
PD9194 SHOCK CAP
避震器上固定頭



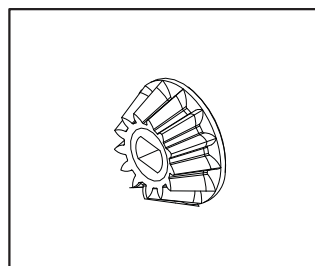
PD9202 SLIPPER CLUTCH SET
扭力限制組



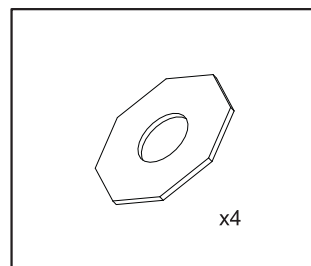
PD9210 SLIPPER HUB SET
限滑夾片組



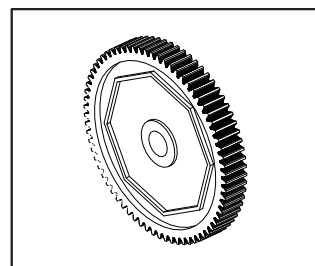
PD9213 MAIN GEAR SHAFT
主傳動軸



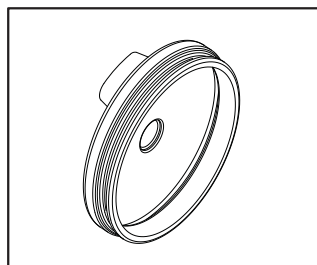
PD9219 DRIVE PINION GEAR, 13T
差速小傘齒輪, 13T



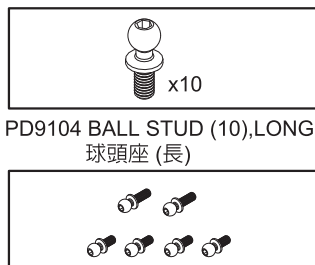
PD9222 SLIPPER PAD SET
限滑來令片組



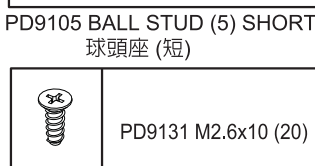
PD9224 MAIN GEAR, 72T
傳動大齒輪, 72T



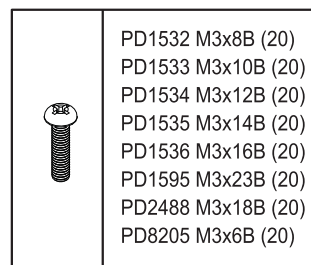
PD9270 MOTOR COVER
馬達防塵套



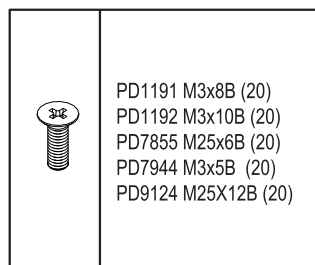
PD9104 BALL STUD (10), LONG
球頭座 (長)



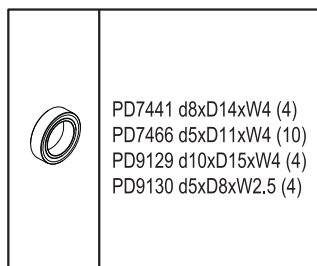
PD9105 BALL STUD (5) SHORT
球頭座 (短)



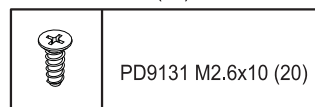
BT P.M. SCREW
圓頭十字螺絲



CT P.M. SCREW
平頭十字螺絲



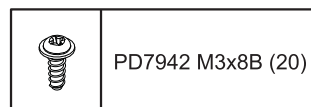
BALL BEARING
滾珠軸承



CTP. TAP SCREW
平頭墊圈十字螺絲



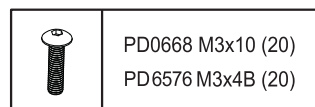
BT P. TAP SCREW
圓頭墊圈十字螺絲



BT P.T SCREW w/WASHER
墊圈自攻螺絲



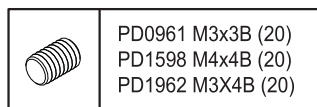
SK.H.M SCREW
內六角螺絲



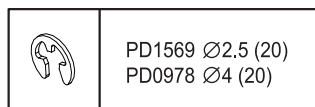
BT.MACH. SCREW
半圓頭內六角螺絲



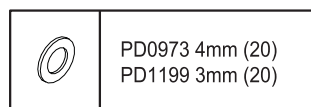
BODY CLIPS
R型插銷



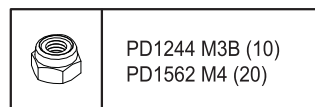
SET SCREW
無頭內六角螺絲



E-CLIP
E型扣環



WASHER
平墊圈



LOCK NUT
止鬆螺帽

PART#	DESCRIPTION	中文名稱	NOTE
2344	BL MOTOR IBL 36/39-540T	無刷馬達	
PD0668	BT M. SCREW(20),M3x10	半圓內六角螺絲(20),M3x10	
PD0866	BODY CLIPS(10)	R型插銷(10)	
PD0961	SET SCREWS(20),M3x3	無頭內六角螺絲(20),M3x3	
PD0973	WASHER(20),4mm	平墊圈(20),4mm	
PD0978	E-CLIP(20),4mm	E型扣環(20),4mm	
PD1191	CTP.M.SCREW(20),M3x8	平頭十字螺絲(20),M3x8	
PD1192	CTP.M.SCREW(20),M3x10	平頭十字螺絲(20),M3x10	
PD1199	WASHER(20),3mm	平墊圈(20),3mm	
PD1244	LOCK NUT(10),M3	止鬆螺帽(10),M3	
PD1532	BT P.M. SCREW(20),M3x8	圓頭十字螺絲(20),M3x8	
PD1533	BT P.M. SCREW(20),M3x10	圓頭十字螺絲(20),M3x10	
PD1534	BT P.M. SCREW(20),M3x12	圓頭十字螺絲(20),M3x12	
PD1535	BT P.M. SCREW(20),M3x14	圓頭十字螺絲(20),M3x14	
PD1536	BT P.M. SCREW(20),M3x16	圓頭十字螺絲(20),M3x16	
PD1562	LOCK NUT(20),FLANGE M4	凸緣止鬆螺帽	
PD1569	E-CLIP(20),2.5mm	E型扣環(20),2.5mm	
PD1595	BT P. M. SCREW(20),M3x23	圓頭十字螺絲,M3x23	
PD1598	SET SCREWS(20),M4x4	無頭內六角螺絲(20),M4x4	
PD1962	SET SCREW(20),	無頭內六角螺絲(20),M3x4	
PD2488	BT P.M. SCREW(20),M3x18	圓頭十字螺絲(20),M3x18	
PD6756	BT M. SCREW(20),M3x4	半圓內六角螺絲(20),M3x4	
PD7034	MOTOR PINION GEAR,20T	馬達驅動齒,20T	
PD7193	BODY CLIPS(20)	R型插銷(20)	
PD7441	BALL BEARING SET(4),d8xD14xW4	滾珠軸承(4),d8xD14xW4	
PD7466	BALL BEARING SET(10),d5xD11xW4	滾珠軸承(10),d5xD11xW4	
PD7475	SKH.M SCREW(20),M3x10	內六角螺絲(20),M3x10	
PD7712	ANTENNA BAG	天線套管	
PD7837	MOTOR MOUNT	馬達固定座	
PD7845	CHASSIS	車底盤	
PD7846	SERVO MOUNT	伺服機座	
PD7847	BATTERY BRACE	電池夾片	
PD7855	CT P.M.SCREW(20),M25x6	平頭十字螺絲(20),M25x6	
PD7864	OUTDRIVE CUPS	傳動軸套	
PD7901	FRONT BULK SET	前差速箱上下蓋組	
PD7902	REAR BULK SET	後差速箱上下蓋組	
PD7905	DIFF SPUR GEAR 44T	差速大傘齒	
PD7915	FRONT TOE PLATE	前投影板	
PD7916	REAR TOE PLATE	後投影板	
PD7917	FRONT SUSP. ARMS	前擺臂組	
PD7918	REAR SUSP. ARMS	後擺臂組	
PD7920	SUSP. ARM MOUNT BUSHING,FRONT	前擺臂軸套	
PD7921	INNER HINGE PIN SET	擺臂插銷	
PD7924-T	FRONT SHOCK SET	前避震器組	
PD7925-T	REAR SHOCK SET	後避震器組	
PD7926	SHOCK BODY SET	避震器套筒	
PD7927	SHOCK SHAFT	避震器軸	
PD7931	BUMPER	前防撞板	
PD7932	FRONT WHEEL 33mm(B)	前輪殼(黑)	
PD7933	FRONT TIRE W/FOAM 33mm	前輪胎	
PD7934	REAR WHEEL 43mm(B)	後輪殼(黑)	
PD7935	REAR TIRE W/FOAM 43mm	後輪胎	
PD7936-1	SHOCK TOWER SET	避震器支架	
PD7937	BALL STUD SPACER	避震器球頭墊片	
PD7938	REAR WING MOUNT	尾翼支架	
PD7942	BT P.T SCREW w/W(20),M3x8	墊圈自攻螺絲	
PD7944	CT P.M.SCREW(20),M3x5	平頭十字螺絲	
PD7947	SHOCK BLADDER	空氣活門	
PD7954	METAL TURNBUCKLE SET	金屬拉桿組	



SPARROWHAWK XXB PARTS LIST 零件表

PART#	DESCRIPTION	中文名稱	NOTE
PD7962-R	SHOCK SPRING(R)	避震器彈簧組	
PD7998	BULK LWR COVER	差速箱下蓋版	
PD8098	SHOCK PISTON SET	避震器活塞	
PD8205	BT P.M. SCREW(20),M3x6	圓頭十字螺絲(20),M3x6	
PD9051	DIFFERENTIAL CASE	差速器本體	
PD9077	STEERING BLOCK SET	轉向臂	
PD9078	CASTER BLOCK SET	C型座組	
PD9080	OUTER HINGE PIN SET	軸承針組	
PD9082	SUSP. ARM MOUNT BUSHING,REAR	後擺臂軸套	
PD9086	SWING RACK SET	轉向曲柄組	
PD9087	SWING POST SCREW	轉向軸	
PD9090	HUB CARRIER SET	後輪座	
PD9102	SHOCK ACCESSORIES	避震器配件	
PD9103	SHOCK EYELET	避震器球頭拉桿	
PD9104	BALL STUD(10),LONG	球頭座	
PD9105	BALL STUD(5),SHORT	球頭座	
PD9107	STEERING SERVO HORN SET	轉向拉桿緩衝組	
PD9110	HEX ADAPTER SET	六角輪鼓轉換座組	
PD9124	CT P.M.SCREW(20),M25x12	平頭十字螺絲(20),M25x12	
PD9129	BALL BEARING(4),10x15x4	滾珠軸承(4),10x15x4	
PD9130	BALL BEARING(4),5x8x2.5mm	滾珠軸承(4),5x8x2.5mm	
PD9131	CTP. TAP SCREW(20),M26x10	平頭墊圈十字螺絲,M26x10	
PD9133	BT P. TAP SCREW(20),M2x4	圓頭墊圈十字螺絲(20),M2x4	
PD9178	DIFF GEAR SET	差速齒輪組	
PD9179	DRIVE PINION SET 13T	差速小傘齒	
PD9180	FRONT UNIVERSAL SHAFT	前傳動軸	
PD9181	REAR UNIVERSAL SHAFT	後傳動軸	
PD9182	TOP PLATE	二樓板	
PD9183	ALUMINUM MAIN DRIVE SHAFT	鋁合金中央傳動軸	
PD9184	CENTER BULKHEAD	主齒輪固定座	
PD9185	SK.H.M SCREW(10),M4x12	內六角螺絲(10),M4x12	
PD9186	BT P.TAP SCREW(20),M3x8	墊圈十字螺絲(20),M3x8	
PD9194	SHOCK CAP	避震器上固定頭	
PD9202	SLIPPER CLUTCH SET	扭力限制器組	
PD9210	SLIPPER HUB SET	限滑夾片組	
PD9213	MAIN GEAR SHAFT	主傳動軸	
PD9219	DRIVE PINION GEAR 13T	差速小傘齒輪,13T	
PD9222	SLIPPER PAD SET	限滑來令片組	
PD9224	MAIN GEAR,72T	傳動大齒輪,72T	
PD9270	MOTOR COVER	馬達防塵套	

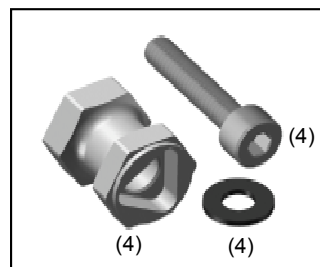
SPARROWHAWK XXB OPTION PARTS 改裝配件



1340 ROTATING CAR STAND, O
車用旋轉工作台, 橘



PD2302 TIE END SET
球頭拉桿組零件包



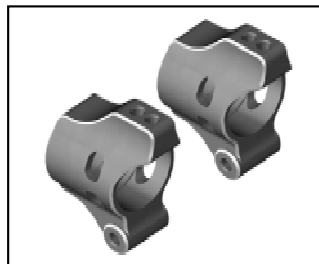
PD7713 LONG HEX ADAPTER
改裝六角輪殼轉接座



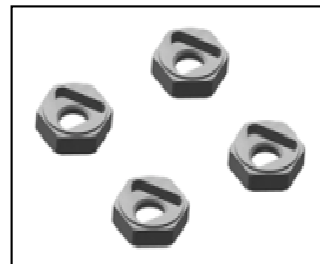
PD7722 ALUM STEERING BLOCK SET
鋁合金改裝轉向臂



PD7723 ALUM CASTER BLOCK SET
鋁合金改裝C型座組



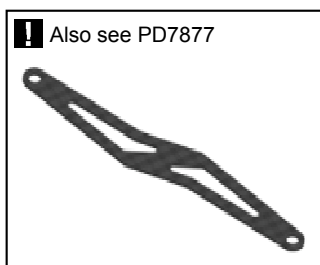
PD7724 ALUM HUB CARRIER SET
鋁合金改裝後輪座



PD7876 ALUM HEX ADAPTER
鋁合金改裝六角輪骨轉換器

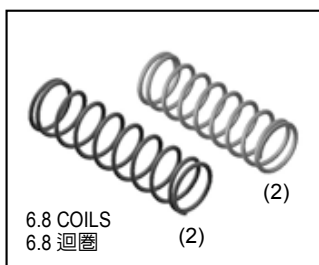


PD7877 AL BATT. STRAP SCREW
電池夾片螺絲



! Also see PD7877

PD7878 CFRP BATT. STRAP
碳纖維電池夾板



PD7928 SHOCK SPRING(B)
避震器彈簧組(黑)



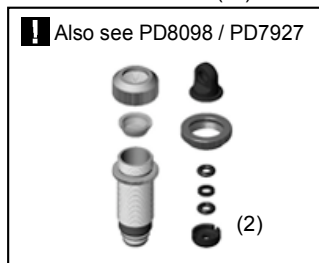
PD7951-T REAR TOE PLATE SET
改裝後投影板(2°/3°)



PD7957 CFRP FRONT SHOCK TOWER
碳纖維前避震器支架板

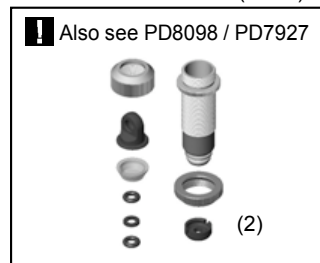


PD7958 CFRP REAR SHOCK TOWER
碳纖維後避震器支架板



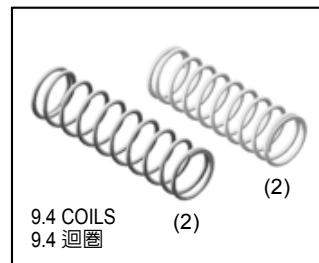
! Also see PD8098 / PD7927

PD7960 FRONT ALUM SHOCK BODY SET
前鋁合金避震器套筒組

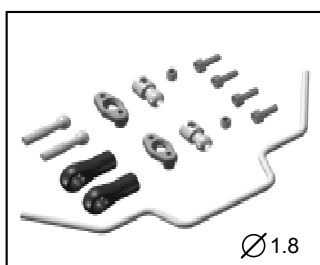


! Also see PD8098 / PD7927

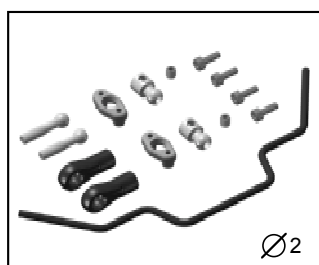
PD7961 REAR ALUM SHOCK BODY SET
後鋁合金避震器套筒組



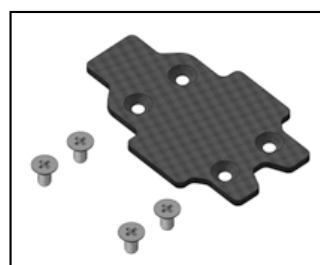
PD7962-L SHOCK SPRING(L)
避震器彈簧組(藍)



PD7965-1 REAR SWAY BAR SET(GOLD)
防傾桿組(金)



PD7965-2 REAR SWAY BAR SET(BLACK)
防傾桿組(黑)



PD7967 CFRP BULK LWR COVER
碳纖維差速箱下蓋板



PD7968 ALUM STEERING BELL CRANK
鋁合金改裝轉向搖臂



PD7969 ALUM STEERING SLIDER
鋁合金改裝轉向曲柄



PD9156 HEX WHL CAP SCREW
六角輪胎固定螺絲



! Also see PD9191

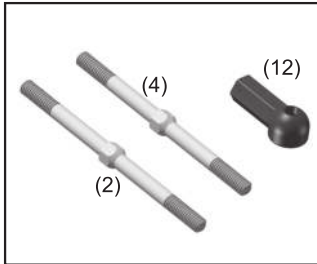
PD9188 CFRP CHASSIS
碳纖維底板



! Also see PD9231

PD9189 CFRP TOP PLATE
二樓板

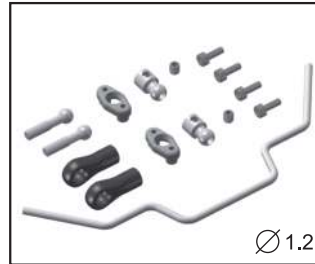
SPARROWHAWK XXB OPTION PARTS 改裝配件



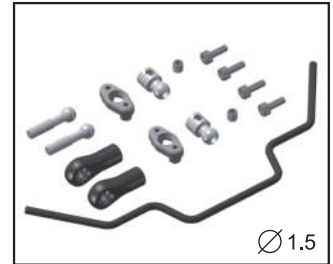
PD9190 TITANIUM TURNBUCKLE SET
鈦合金擺臂及轉向拉桿組



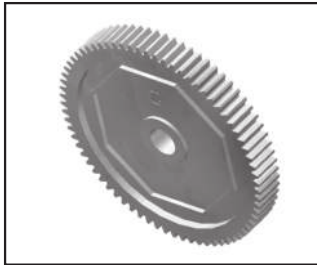
PD9191 CFRP BATT,BRACE&ACC.PR
車殼附件組



PD9200-1 REAR SWAY BAR SET(SILVER)
防傾桿組(銀)



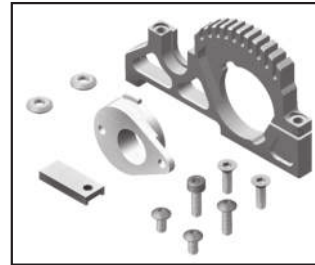
PD9200-2 REAR SWAY BAR SET(BLACK)
防傾桿組(黑)



PD9214 MAIN GEAR,70T
傳動大齒輪,70T



PD9231 ALUM TOP PLATE BRACE SET
鋁合金二樓板墊片



PD9192 ALUM MOTOR MNT
金屬馬達固定座



MOTOR PINION GEAR 馬達驅動齒
PD7033,19T
PD7035,21T
PD7036,22T
PD7037,23T
PD7038,24T
PD7039,25T
PD7836,26T



AQ1712 BLC ESC Setting Card
無刷馬達速控器設定版

! This part must be assembled with the corresponding counter parts in the spare or option part list.
此改裝件需與相對應之零件共同組裝



SPARROWHAWK XXB OPTION PARTS LIST 改裝零件表

PART#	DESCRIPTION	中文名稱	NOTE
1340	ROTATING CAR STAND,ORANGE	車用旋轉工作台,橘	
AQ1712	BLC ESC SETTING CARD	無刷馬達速控器設定版	
PD2302	TIE END SET	球頭拉桿組零件包	
PD7033	MOTOR PINION GEAR,19T	馬達驅動齒,19T	
PD7035	MOTOR PINION GEAR,21T	馬達驅動齒,21T	
PD7036	MOTOR PINION GEAR,22T	馬達驅動齒,22T	
PD7037	MOTOR PINION GEAR,23T	馬達驅動齒,23T	
PD7038	MOTOR PINION GEAR,24T	馬達驅動齒,24T	
PD7039	MOTOR PINION GEAR,25T	馬達驅動齒,25T	
PD7713	LONG HEX ADAPTER	改裝六角輪殼轉接座	
PD7722	ALUM STEERING BLOCK SET	鋁合金改裝轉向臂	
PD7723	ALUM CASTER BLOCK SET	鋁合金改裝C型座組	
PD7724	ALUM HUB CARRIER SET	鋁合金改裝後輪座	
PD7836	PINION GEAR,26T	馬達驅動齒,26T	
PD7876	ALUM HEX ADAPTER	鋁合金改裝六角輪骨轉換器	
PD7877	ALUM BATT. STRAP SCREW	電池夾片螺絲	
PD7878	CFRP BATT. STRAP	碳纖維電池夾板	
PD7928	SHOCK SPRING	避震器彈簧	
PD7951-T	REAR TOE PLATE SET	改裝後投影板	
PD7957	CFRP FR SHOCK TOWER	碳纖維前避震器支架板	
PD7958	CFRP RR SHOCK TOWER	碳纖維後避震器支架板	
PD7960	FRONT ALUM SHOCK BODY SET	前鋁合金避震器套筒組	
PD7961	REAR ALUM SHOCK BODY SET	後鋁合金避震器套筒組	
PD7962-L	SHOCK SPRING(L)	避震器彈簧組(藍)	
PD7965-1	SWAY BAR SET(G)	防傾桿組(金)	
PD7965-2	SWAY BAR SET(B)	防傾桿組(黑)	
PD7967	CFRP BULK LWR COVER	碳纖維差速箱下蓋板	
PD7968	ALUM STEERING BELL CRANK	鋁合金改裝轉向搖臂	
PD7969	ALUM STEERING SLIDER	鋁合金改裝轉向曲柄	
PD9156	HEX WHL CAP SCREW	六角輪胎固定螺絲	
PD9188	CFRP CHASSIS	碳纖底板	
PD9189	CFRP TOP PLATE	碳纖二樓板	
PD9190	TITANIUM TURNBUCKLE SET	鈦合金擺臂及轉向拉桿組	
PD9191	BATT. BRACE&ACC	車殼固定座附件組	
PD9192	ALUM MOTOR MNT	金屬馬達固定座	
PD9200-1	SWAY BAR SET(SILVER)	防傾桿組(銀)	
PD9200-2	SWAY BAR SET(BLACK)	防傾桿組(黑)	
PD9214	MAIN GEAR 70T	傳動大齒輪,70T	
PD9231	ALUM TOP PLATE BRACE SET	鋁合金二樓板墊片	

BODY SHELLS 車殼



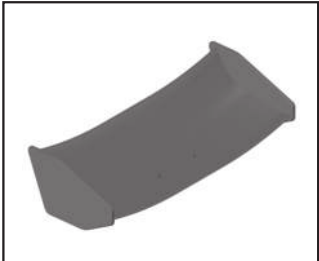
PD7939 REAR WING(B)
尾翼(黑)



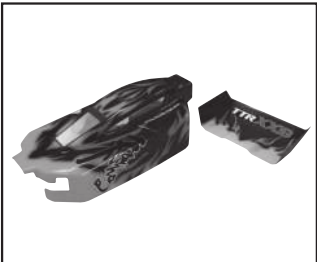
PD7963-W REAR WING(W)
尾翼(白)



PD7963-Y REAR WING(Y)
尾翼(黃)



PD7963-O REAR WING(O)
尾翼(橘)



PD9259 PRINTING BODY(BL/Y)
車殼組-藍/黃



PD9260 PRINTING BODY(B/Y)
車殼組-黑/黃



PD9193 CLR BODY SET,X-type TA-EB
透明車殼組X改裝型，TA-EB



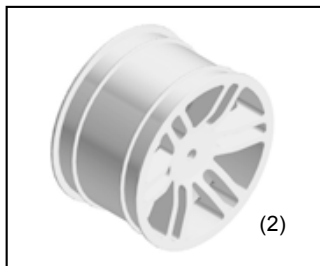
PD9261 CLEAR BODY W/DECAL
透明車殼及彩貼組



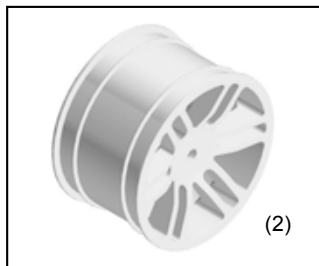
PD9262 BODY DECAL SET
彩貼組

PART#	DESCRIPTION	中文名稱	NOTE
PD7939	REAR WING(BLACK)	尾翼(黑)	
PD7963-O	REAR WING(ORANGE)	尾翼(橘)	
PD7963-W	REAR WING(WHITE)	尾翼(白)	
PD7963-Y	REAR WING(YELLOW)	尾翼(黃)	
PD9193	CLR BODY SET, X-type TA-EB	透明車殼組X改裝型，TA-EB	
PD9259	PRINTING BODY(BLUE / YELLOW)	車殼組-藍/黃	
PD9260	PRINTING BODY(BLACK / YELLOW)	車殼組-黑/黃	
PD9261	CLEAR BODY W/DECAL	透明車殼及彩貼組	
PD9262	BODY DECAL SET	彩貼組	

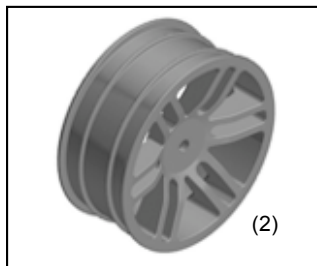
WHEEL & TIRE OPTION PARTS LIST 輪胎與輪轂



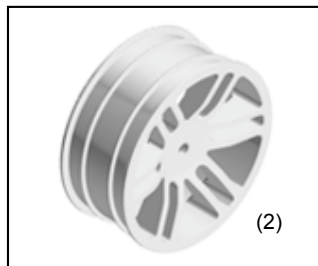
PD7952-W FRONT WHEEL (WHITE)
前輪轂(白色)



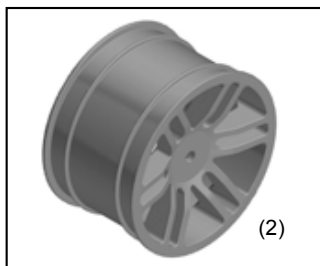
PD7953-W REAR WHEEL (WHITE)
後輪轂(白色)



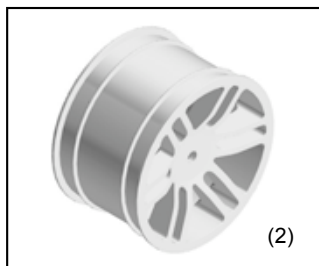
PD7952-O FRONT WHEEL 33mm(O)
前輪轂組(橙色)



PD7952-Y FRONT WHEEL 33mm(Y)
前輪轂組(黃色)



PD7953-O REAR WHEEL 43mm(O)
後輪轂組(橙色)



PD7953-Y REAR WHEEL 43mm(Y)
後輪轂組(黃色)

PART#	DESCRIPTION	中文名稱	NOTE
PD7952-W	FRONT WHEEL (WHITE)	前輪轂 (白色)	
PD7953-W	REAR WHEEL (WHITE)	後輪轂 (白色)	
PD7952-O	FRONT WHEEL 33mm (ORANGE)	前輪轂組 (橙色)	
PD7952-Y	FRONT WHEEL 33mm (YELLOW)	前輪轂組 (黃色)	
PD7953-O	REAR WHEEL 43mm (ORANGE)	後輪轂組 (橙色)	
PD7953-Y	REAR WHEEL 43mm (YELLOW)	後輪轂組 (黃色)	

OPTIONAL ELECTRONICS 選配電子產品



7.2V Ni-MH Battery Pack / Stick
電池



No.2941 Ni-MH Battery
Pack/Flat, 7.2V/3600mAh SC



No.2937 Ni-MH Battery Pack/Flat,
7.2V/2400mAh SC

ACE RC®

Electronic Speed Control
速控器



No.8061 BLC-75C ESC



No.8060 BLC-40C ESC

Specifications

STAND-ALONE ESC	BLC-75C ESC	BLC-40C ESC
Item Number	8061	8060
NiCD / NiMH cells	7.2V	7.2V
Li Polymer cells	7.4-11.1V	7.4-11.1V
Current (Continuous)	75A	40A
Max Output	540W/60sec	360W/40sec
Size LxWxH(mm)	37x28.8x36.5	46x28.8x31.5
Weight (g)	80.3g	66g

COMBO SYSTEM	BLC-75C PWR	BLC-40C PWR
BLS PWR Combo No	8057	8056
Included Motor KV	6100kv	4900kv
Motor Fan		●
ESC Setting Card	●	●
Brushless Motor	●	●
ESC	●	●

RIPPER



No.2360 IBL36/61-540C
6100 RPM/Volt



No.2359 IBL36/49-540C
4900 RPM/Volt

ACE RC®

Receiver
接收機



AQ2280 2.4GHz 4CH Receiver

Specifications

Receiver	TRS401ss
Item No.	AQ2280
Frequency (GHz)	2.4GHz
Channel	4CH
BEC	No
Type	PPM
Antenna Type	Single Antenna
Battery Power	4.8~6V
Dimension(mm)	18.3x35.6x14.2mm
Weight(g/oz)	6.5g



COUGAR
2.4GHz 3CH DIGITAL RADIO SYSTEM **PS3i**

2.4GHz Surface
Radio Control System
數位槍型遙控器
No.8308

IFHS^{2.4G}



AQ2255
2.4GHz TX RF Module,
Futaba*



AQ2259
2.4GHz TX RF Module,
W / 4CH Receiver,
Futaba*

ACE RC®

Digital Servo
數位伺服機



No.8127 Digital High Torque / DS1015



No.8128 Digital Standard / DS1313

Specifications

Torque 4.8V/6V(oz-in)	161.1 / 201.4
Torque 4.8V/6V(Kg-cm)	11.6 / 14.5
Speed 4.8V/6V(sec/60°)	0.138 / 0.108
Gear	M
Bearing	2BB
Size LxWxH(in)	1.65 x 0.81 x 1.56
Size LxWxH(mm)	41.8 x 20.6 x 39.6
Weight(oz/gram)	2.328 / 66

Specifications

Torque 4.8V/6V(oz-in)	133.3 / 173.6
Torque 4.8V/6V(Kg-cm)	9.6 / 12.5
Speed 4.8V/6V(sec/60°)	0.16 / 0.13
Gear	M
Bearing	2BB
Size LxWxH(in)	1.65 x 0.81 x 1.56
Size LxWxH(mm)	41.8 x 20.6 x 39.6
Weight(oz/gram)	2.328 / 66

Specifications

Item No.	8308
Transmitter	COUGAR PS3i
Configuration	Pistol Grip
Encoder	3Ch
Frequency(MHz)	2.44GHz
Modulation	GFSK
Current Drain	130mA@9.6V
Frequency Band Width	24MHz
Transmission System	FHSS
Band No.	78CH
ID No.	13bit
Radio Speed	16Kbps
Servo Reverse	CH1~CH3
Display	LCD
Mode Memory	10
Antenna Type	1/4_Dipole Sleeve
Antenna Peak Gain	2dBi Typical
Power Requirement	9.6V/8 cell AA Battery
Dimension (w/o Antenna)	220x99x182mm /8.66x3.89x7.16in
Weight (g/oz)	443g/15.59oz

* Futaba is registered trademark.

