

# X2

## 1/8 SCALE NITRO POWERED OFF-ROAD TRUGGY



組合說明書  
(職業版)

# INSTRUCTION MANUAL

### ADDITIONAL PARTS NEEDED

- RADIO AND ELECTRONICS.
- 21-28 CLASS ENGINE.
- GLOW STARTER AND GLOW PLUGS.
- GLOW PLUG CROSS WRENCH.
- RC CAR FUEL (20%).
- FOR NON-PULL START ENGINES, YOU WILL NEED A 12V HAND HELD STARTER OR STARTER BOX.

### THIS IS NOT A TOY!

- DO NOT USE WITH CHILDREN YOUNGER THAN 16 YEARS.
- MODEL PAINTING IS NOT A PART OF THIS KIT.
- PAINT IS NOT INCLUDED.
- SOME KIT TYPES MAY NOT INCLUDE ENGINE.

### 需另購物件

- \* 2動作搖控器與電子設備.
- \* 21至28級引擎
- \* 火星塞
- \* 拆火星塞扳手
- \* 模型引擎用燃油
- \* 可充電點火夾
- \* 起動馬達或起動台

### 本產品非一般玩具!

- 不適合16歲以下兒童使用。(不熟悉模型組裝使用者請洽專業人士指導)
- 模型用噴漆不包含在本套件內。
- 噴漆用品及工具不包含在本套件內。

**HONGNOR**  
QUALITY R/C MODEL PRODUCTS

鴻諾企業有限公司  
HONG NOR ENTERPRISE CO., LTD.

5F NO.181-2, ZHONG XING ROAD,  
XIZHI CITY, TAIPEI COUNTY,  
TAIWAN, R.O.C.

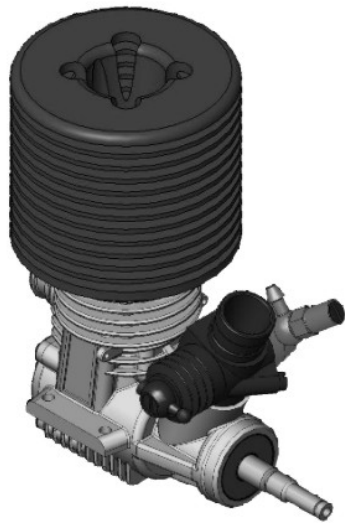
TEL: 886 2-2694-0345  
FAX: 886 2-2694-1632

[www.hongnor.com.tw](http://www.hongnor.com.tw)

圖示產品有可能為試樣品,包裝內容以實際出貨為準。規格配備內容更改恕不另行通知。  
MODEL SHOWN MAY BE PROTOTYPE AND MAY VARY SLIGHTLY FROM KIT. SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

THINGS NEEDED BESIDES THE KIT

Note: The engine may not be included in the kit.  
引擎可能不包含在套件內



REAR EXHAUST 21-28 CLASS ENGINE

有關引擎使用及調整方式，請參照引擎工廠之手冊。

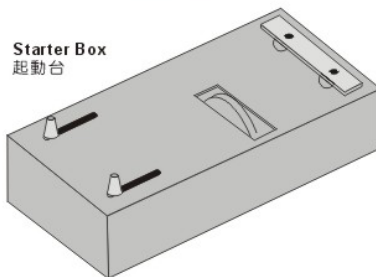
另購裝備



Glow Fuel  
模型用燃油

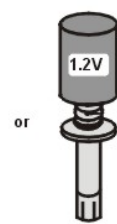
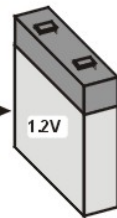


Fuel Bottle  
加油瓶

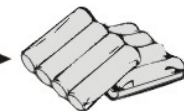


Starter Box  
起動台

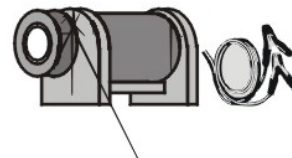
12V Battery for  
Glow Plug Ignitr  
1.2V火星塞點火  
用電池



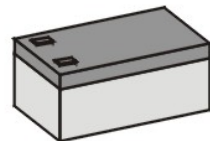
UM-3 Batteries  
(12 pcs)  
3號乾電池 (12顆)



12V Starter With Ring  
12V起動器(附起動膠輪)

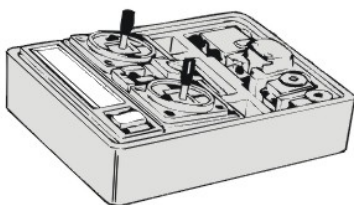


12V Battery for Starter  
12V電池 (起動器用)



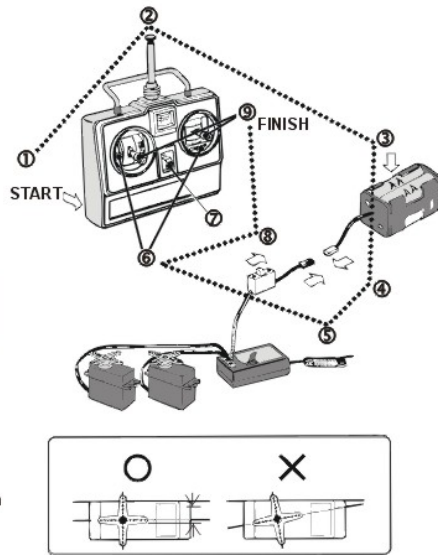
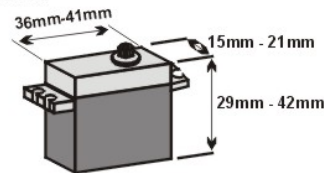
RADIO CONTROL UNIT 另購裝備

2動作遙控器組



Carefully read the instruction manual of your  
2 channel radio controller before using.  
使用遙控器前請先仔細閱讀原廠說明書

SUITABLE SERVO SIZE  
伺服機適合尺寸



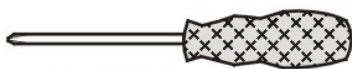
Radio must be set at neutral position before installing in the kit.

SEQUENCE TO SET NEUTRAL

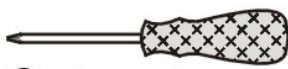
- | SEQUENCE TO SET NEUTRAL                                                                                                                     | 遙控在組合前必要設立中立點                             |
|---------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| ① Install UM-3 batteries.                                                                                                                   | 裝入3號乾電池(發射機用)                             |
| ② Extend the antenna.(Transmitter)                                                                                                          | 拉出天線                                      |
| ③ Install batteries .                                                                                                                       | 裝入3號乾電池盒(接收機用)                            |
| ④ After installing the battery, connect the battery box.                                                                                    | 連接電池盒至開關                                  |
| ⑤ Extend the antenna. (Receiver)                                                                                                            | 拉長接收機天線                                   |
| ⑥ Set the trim-level at center.                                                                                                             | 調整微調鈕至中央位置                                |
| ⑦ Turn on the switch. (Transmitter)                                                                                                         | 打開發射機電源                                   |
| ⑧ Turn on the switch. (Receiver)                                                                                                            | 打開接收機電源                                   |
| ⑨ Make sure the servos are in command.                                                                                                      | 確認伺服機的動作良好                                |
| ⑩ When the operation stick is in neutral, servo horns must be in neutral as well. (Adjustment can be made by re-installing the servo horn.) | 當遙桿位於中立點時，伺服盤必須在中央位置。<br>(拆下伺服盤可做調整中立位置。) |
| ⑪ Turn off the switch. (Receiver)                                                                                                           | 閉接收機電源                                    |
| ⑫ Turn off the switch. (Transmitter)                                                                                                        | 關閉發射機電源                                   |
| ⑬ Retract the antenna. (Transmitter)                                                                                                        | 收回發射機天線                                   |

TOOLS NOT INCLUDED IN THE KIT

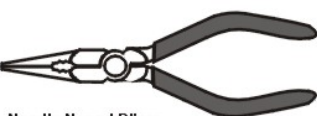
需使用之工具



Phillips Type Screw Drivers (L)  
大型十字螺絲起子



Phillips Type Screw Drivers (S)  
小型十字螺絲起子



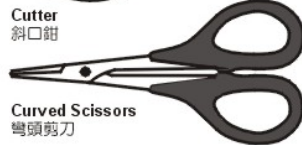
Needle Nosed Pliers  
尖嘴鉗



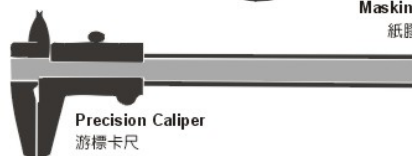
Knife  
美工刀



Cutter  
斜口鉗



Curved Scissors  
彎頭剪刀



Precision Caliper  
游標卡尺



Brush



Cross Wrench  
六角起子



Instant Cement  
3秒瞬間膠水



Masking Tape  
紙膠帶

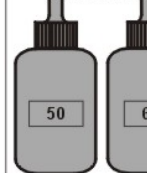


Paints  
模型用油漆

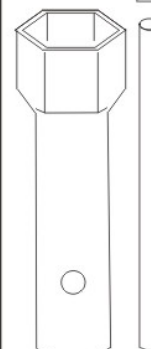
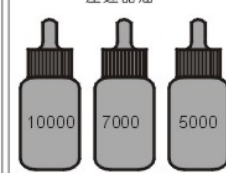
INCLUDED IN THE KIT

套件內裝備

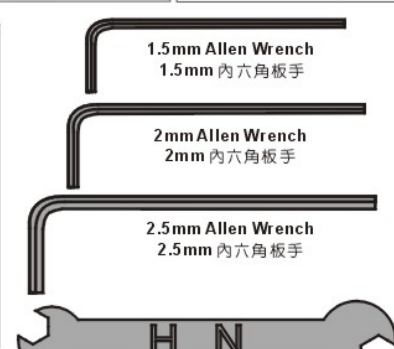
Shock Oil  
避震器油



Diff. Oil  
差速器油



17mm Wheel Nut  
Wrench  
輪圈六角板手



1.5mm Allen Wrench  
1.5mm 內六角板手

2mm Allen Wrench  
2mm 內六角板手

2.5mm Allen Wrench  
2.5mm 內六角板手

4mm\*5mm Allen Wrench  
4mm\*5mm 六角板手

遙控車在操作上雖好玩且容易，但如果想玩的更安全和更不一樣的體驗，請遵守以列幾點。另外，由於此模型車的時速超過40公里，如果不小心使用，可能會傷及他人。

## 1. 哪兒是適合操作的場地呢？

- ◎任何乾燥的空地。勿在水池或濕地。
- ◎勿在大街上，因為它可能會被行駛中的車輛輾過或碰撞而導致有所損傷。
- ◎勿在空間狹窄的地方操作；因為它的速度快很容易碰撞物件。
- ◎勿駕駛於人群或動物旁；如您是非專業人士操作，他們都可能發生危險。
- ◎由於當它被啟動後會發出很大聲響，在操作前請先考慮其周圍的環境。
- ◎勿在晚上操作模型車，因可能視線不佳而導致它發生碰撞。
- ◎勿在室內操作；因為發動引擎後所排出的廢氣對人體有害。

## 2. 燃油

- ◎它是有害身心的。
- ◎它是易燃的。
- ◎別讓它從油瓶溢出。
- ◎勿將其他非專業燃油放入引擎中。

## 3. 第一次發動引擎

注意！  
在您發動引擎前請先確認以下幾點：

- ◎將主油針設定在3圈位置（富油狀態）。
- ◎別獨自一人組裝，請找位有經驗的朋友幫忙一起完成。
- ◎裝滿油箱試著別溢出油箱於容器上。
- ◎遲些將模型車放置地面上，避免一開始它亂跑。
- ◎發動引擎前，請先確認無線電設備是否已連結。
- ◎發動引擎前，請先打開遙控發射機和接收器的電源，並檢查各項連結桿。
- ◎需要安裝空氣濾清器在化油器上，使其不被弄髒。

## 4. 磨合引擎

- ◎閱讀後面幾頁。
- 5. 緊急停止正發動中的引擎
  - ◎移除空氣濾器和堵住化油器的引入口。
  - ◎握緊油管直到引擎停止。
  - ◎用破布等填塞物，堵住廢氣排放口。
- 6. 操作後之收藏動作
  - ◎移除油箱和油管中的燃油。
  - ◎關閉模型車上的無線電。
  - ◎滴入少許保養油於引擎中，以免它生鏽。
  - ◎用去污布擦去底盤上的油污。

## 7. 叮嚀注意事項

- ◎此模型車並非一般玩具，操作時至少二人，一為操作者，一為監督者。
- ◎溫度過高的零件－如排氣管、引擎等，勿用手觸碰，以免燙傷。
- ◎運轉中的零件－如車輪、齒輪和引擎等，勿用動手去調整。
- ◎無線電－在操作前先檢查電池的電量，當電量不足時，將不能完全控制油門及剎車或行進方向。此刻請立即停駛，並換上新電池。如果不立即改善，將導致人體受傷或車子受損；我們極力建議裝配“防暴走”裝置在你的車上。
- ◎燃料油－勿讓油溢出瓶口；因為它的成份中含有甲醇和甲烷皆為易燃物且一旦吸入是有害健康的。

油品應當置放於低溫且通風的地方，並貼上“小心使用”的標籤。

- ◎車子上的油箱－在操作後，別存留油於油箱中，如不慎流出會破壞引擎。
- ◎平時不操作模型車時，必要將關閉車上電源，然後關閉遙控器。
- ◎如果車子因無法控制以致損壞，將導致不在保證之內。

忽略閱讀磨合引擎的相關說明，將會失去保證條款。

# IMPORTANT-READ THIS BEFORE RUNNING

Running nitro kit is fun and easy, but to make this a safe and good experience you must observe a few rules. This kit is extremely fast, easily over 40MPH, and can seriously injure someone if you are not careful.

## 1. Where to run car?

- ⊙ Any running area you choose must be dry. Do not run car near any water or wet dirt.
- ⊙ Do not run on public streets. It is very easy to have the car run over or damaged by hitting the curb.
- ⊙ Do not operate the car in tight confined places. The car is very fast and will easily hit something.
- ⊙ Do not run near people or animals. The car is very fast and could easily hit someone if you are not an expert driver.
- ⊙ Do to noise, you will want to consider the surrounding area when operating the car.
- ⊙ Do not operate the car at night. You will not be able to drive it without hitting something.
- ⊙ Do not operate the car indoors. Engine exhaust is not healthy.

## 2. Glow Fuel

- ⊙ Glow fuel is poisonous!
- ⊙ Glow fuel is flammable!
- ⊙ Do not leave in fuel bottle with lid off at any time.
- ⊙ Do use any fuel other than glow fuel in this engine.

## 3. First Time Starting the Engine

### Caution!

**When starting engine make sure the following is observed.**

- ⊙ Set engine Master needle to 3 turns (rich setting)
- ⊙ Do not do this alone, get an experienced friend to help at first.
- ⊙ Fill fuel tank, try not to spill fuel. Do not spill fuel on receiver.
- ⊙ Hold car off the ground, so it will not runaway when first starts.
- ⊙ Turn on Radio and check the linkage before starting engine.
- ⊙ Turn on car receiver battery switch.
- ⊙ Always have an air filter on the carburetor to keep dirt out.

## 4. Engine Break-in

- ⊙ See section.

## 5. Emergency Stopping Engine When Running

- ⊙ Remove air filter and cover carb. intake.
- ⊙ Squeeze fuel line and hold until engine stops.
- ⊙ With a rag, cover exhaust outlet.

## 6. Storing Car After Running

- ⊙ Remove fuel from tank and fuel lines
- ⊙ Turn off radio in car
- ⊙ Put a few drops of after run in engine to keep it from rusting.
- ⊙ Clear oil and dirt from chassis with a degreaser.

## 7. Precautions

- ⊙ This kit is not a toy. Always run car with a second person as a spotter and pitman.
- ⊙ Hot Parts-The pipe, manifold, engine and head are very hot and will cause burns.
- ⊙ Rotating Parts-Keep hands away from the drive train, wheels and engine is running.
- ⊙ Radio-Check battery life before running the car. If radio does not have full control of the car with steering and/or throttle/brake, do not run until corrected. Failure to correct this will result in possible injury and damage to the car or property. We strongly recommend using a Fail safe.
- ⊙ Glow fuel-Do not leave the glow fuel unattended with the lid off. Fuel contains Methanol and Nitro Methane and is flammable and poisonous.

**Store fuel in cool ventilated location.**

**Refer to the glow fuel label for additional precautions.**

- ⊙ Fuel tank in the car-Never store fuel in car tank, it will ruin the engine if left in tank.
- ⊙ Always turn off the car before turning off radio.
- ⊙ DAMAGE DUE CAR RUN AWAY IS NOT A WARRANTY ISSUE .

**IF YOU DO NOT BREAK-IN ENGINE CORRECTLY, AT LOW-MID RPM, YOU WILL BREAK THE CONNECTING ROD!**

**FAILURE TO READ AND FOLLOW BREAK-IN ENGINE INSTRUCTIONS WILL VOID WARRANTY!**

## 操作前 Before Running

Your radio control model can move at high speed and therefore can cause injury to people or damage property. It is your responsibility to operate your model safely.

你所駕駛的遙控模型車的速度是很快，因此很容易會導致人或財物的損失，所以操作者需負責其安全性。

For radio equipment, refer to the manual included with the radio.

無線電設備，包含了模型車上的接收器和遙控器。

Check that all screws and nuts are tightened.

確認所有的螺絲是否已全部鎖緊。

If the model begins to operate by itself, there may be someone else on your frequency. Do not try to operate your model under these conditions for it may go out of control.

如果一開始模型車不受你所控制時，可能是受到另一個頻率干擾到，在這種情況之下，請別一再嘗試去控制你的模型車，以免失控。

Fill in the fuel.

加滿油箱。

Fully extend transmitter antenna.

把遙控器上的天線完全伸展。

Switch on transmitter.

打開遙控器的開關。

Switch on receiver.

打開接收器的開關。

## 啟動引擎 Engine Start-Up

For engine use, refer to the manual included with the engine.  
閱讀其引擎說明書。



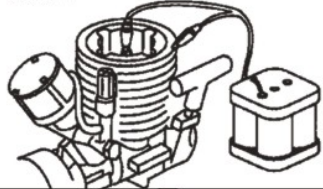
Prime the engine with fuel, then press down the primer button.

首先，裝填引擎燃料，再按下進油幫浦（如果有此裝備）。



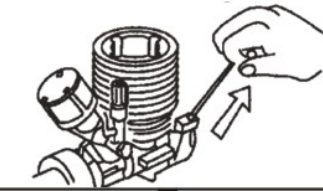
Attach one clip to the glow plug's end and the other clip to one of the cylinder cooling fins.

使用一個啟動火星塞用電夾，一端夾住火星塞，一端夾住散熱片。



Quickly pull the starter rope to start the engine.

快速拉動引擎的手拉啟動裝置。



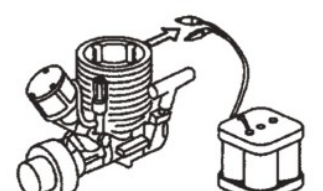
Adjust by screwing the needle little by little.

以順時針方向逐漸地微調油針。



Remove the clips from the engine.

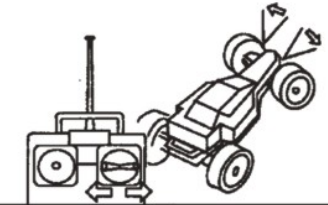
移去起動火星塞電夾。



## 操作時 While Running

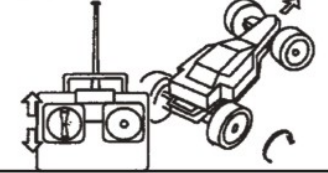
Check that the model turns in proportion to the amount you move the steering control of the transmitter.

試跑遙控車的行進方向是否和你操作的遙控器左右方向相同。



Check that the speed of the model changes in proportion to the amount you move the speed control of the transmitter.

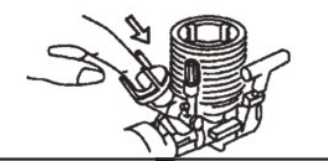
試跑遙控車的行進方向是否和你操作的遙控器前後方向相同。



## 操作後 After Running

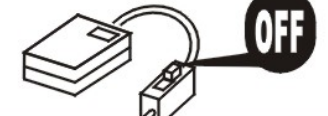
Interrupt the engine by pushing the air cleaner with your fingers.

用手指壓下空氣濾清器，可以中斷引擎。



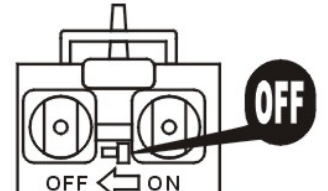
Switch off receiver.

關閉接收器電源。



Switch off transmitter.

關閉遙控器的電源。



Proper maintenance extends the life of the model.

正確的保養可延長模型車的壽命。

Use genuine parts.

使用原廠零件。

## 安全注意事項 Cautions for Safety

Do not run your model through water. This may cause rust or electrical problems.

勿駕駛遙控車接近水池或溼地。此行為會導致引發電子零件故障！



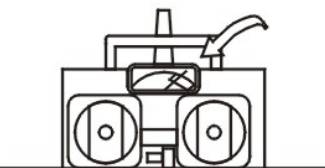
If your model does not operate correctly, stop it and find the cause.

如果遙控車有不正確表現，請停止操作，並立即檢查原因。



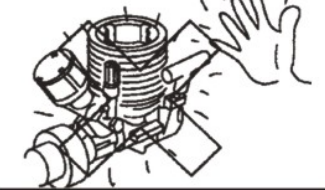
Check the batteries.

確認發射機電力是否充足。



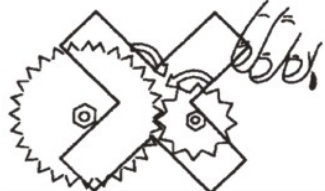
After each run, the model is hot. Beware of getting burned.

每次行駛都將導致引擎在高溫中，請勿用手觸摸引擎，以免燙傷。



Keep hands and tools away from parts in action.

勿用手碰觸運轉中的零件。



Never throw burning, gleaming or smouldering things into fuel cans even if the cans are empty.

This is very dangerous!!

各種油類需要遠離火源。



# 1 ASSEMBLY OF THE FRONT AND REAR DIFF.

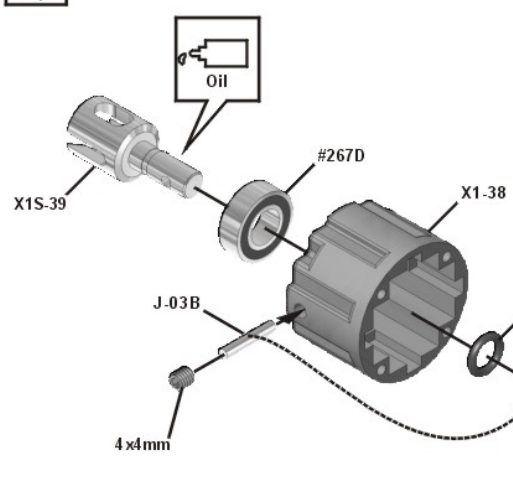
## 前後差速齒輪組合



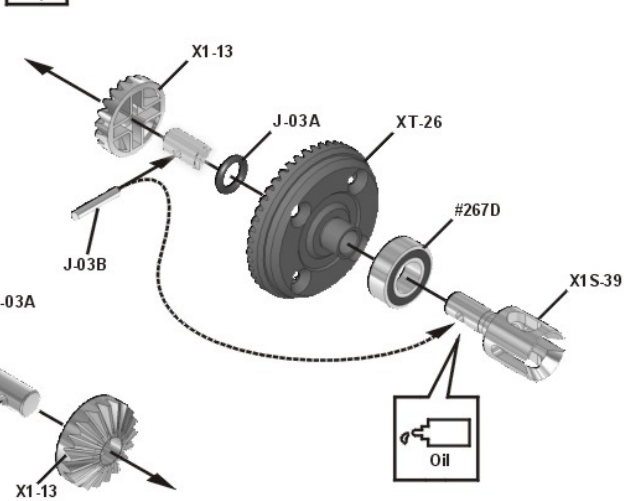
Build two differentials for front and rear.  
請組合兩個差速器為前後使用。

- J-03B  
2.5x13.8mm Pin  
滾針 .....x4
- 4x4 mm  
Set Screw  
止付螺絲 .....x2
- J-03A  
P6 O-Ring  
P6 O環 .....x4
- #267D  
8x16mm Ball Bearing  
培林 .....x4

Step 1



Step 2



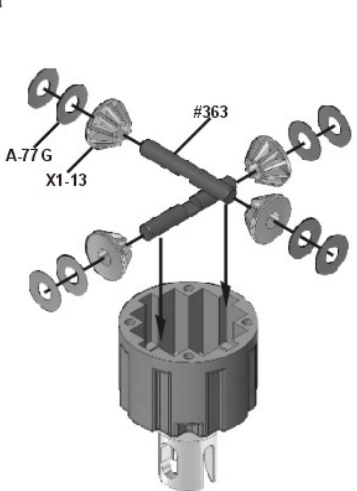
# 2 ASSEMBLY OF THE FRONT AND REAR DIFF.

## 前後差速齒輪組合

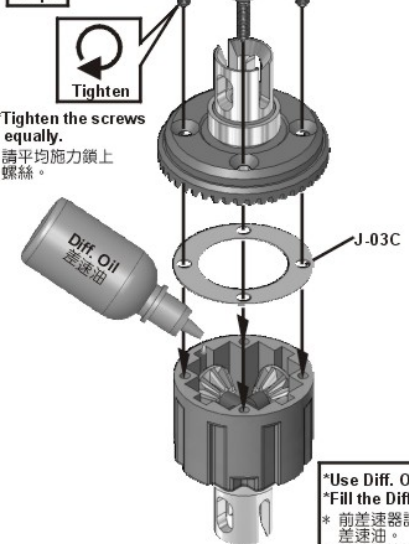


- A-77G  
4x10mm Washer  
墊片 .....x16
- 3x12mm  
Flat Head Hex Screw  
血頭內六角螺絲 .....x8
- #363  
4mm  
Alum. Cross Pin  
4mm 鋁十字軸心 .....x4

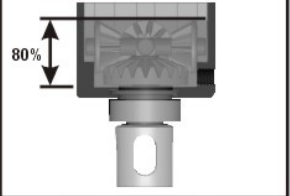
Step 1



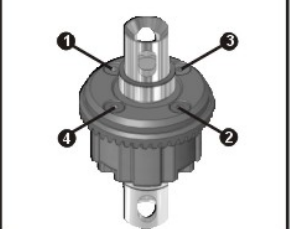
Step 2



Fill the diff oil just level with the top of the satellite gears.  
差速油加入至差速齒輪頂平面則可。



Tighten the diff screws in this order.  
請依圖示順序上緊螺絲。



\*Use Diff. Oil #7000 for front and #5000 for rear  
\*Fill the Diff. case to approx. 80% with the Diff. Oil  
\*前差速器請使用 #7000 差速油/後差速器請使用 #5000 差速油。  
\*差速油注滿80%即可。

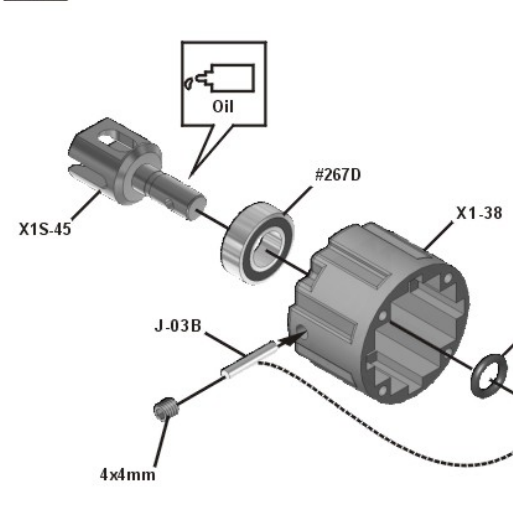
# 3 ASSEMBLY OF THE CENTER DIFF.

## 中央差速齒輪組合

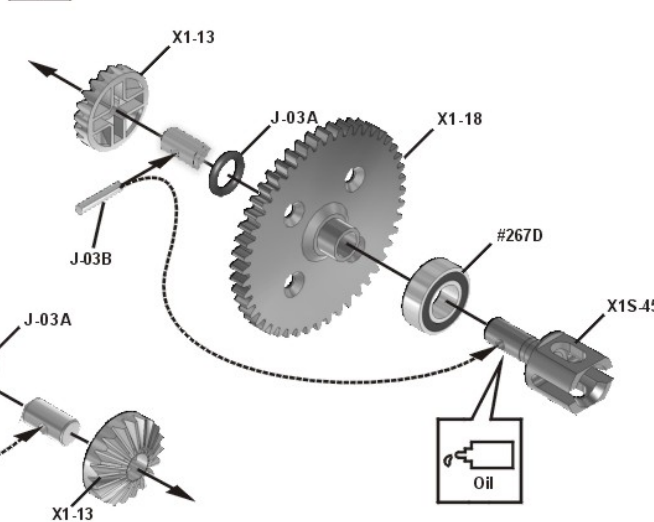


- J-03B  
2.5x13.8mm Pin  
滾針 .....x2
- 4x4 mm  
Set Screw  
止付螺絲 .....x1
- J-03A  
P6 O-Ring  
P6 O環 .....x2
- #267D  
8x16mm Ball Bearing  
培林 .....x2

Step 1



Step 2



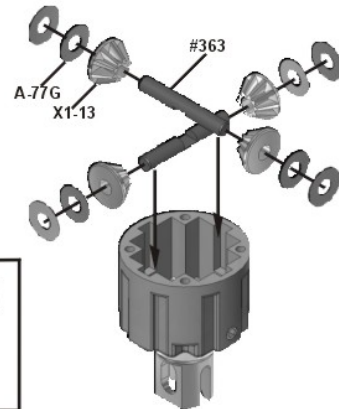
#### 4 ASSEMBLY OF THE CENTER DIFF.

中央差速齒輪組合

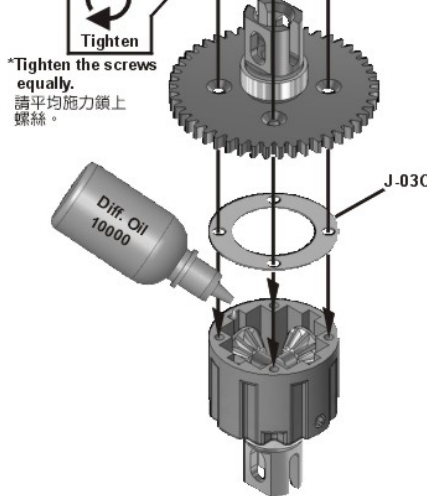
**BAG** NO.1



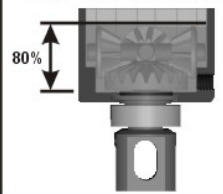
Step 1



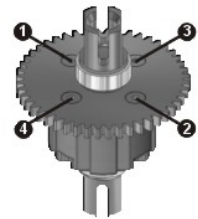
Step 2



Fill the diff oil just level with the top of the satellite gears.  
差速油加入至差速齒輪頂平面則可。



Tighten the diff screws in this order.  
請依圖示順序上緊螺絲。



\*Use 10000 weight diff. oil for the center diff.  
\*Fill the Diff. Case to approx. 80% with the Diff.Oil.  
\*中差速器請使用#10000差速油  
\*差速油注滿80%即可

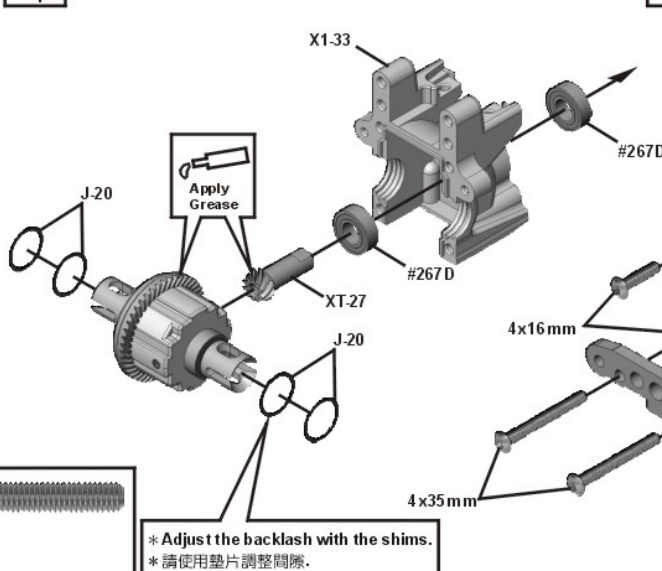
#### 5 ASSEMBLY OF THE FRONT GEAR CASE

前齒輪箱組合

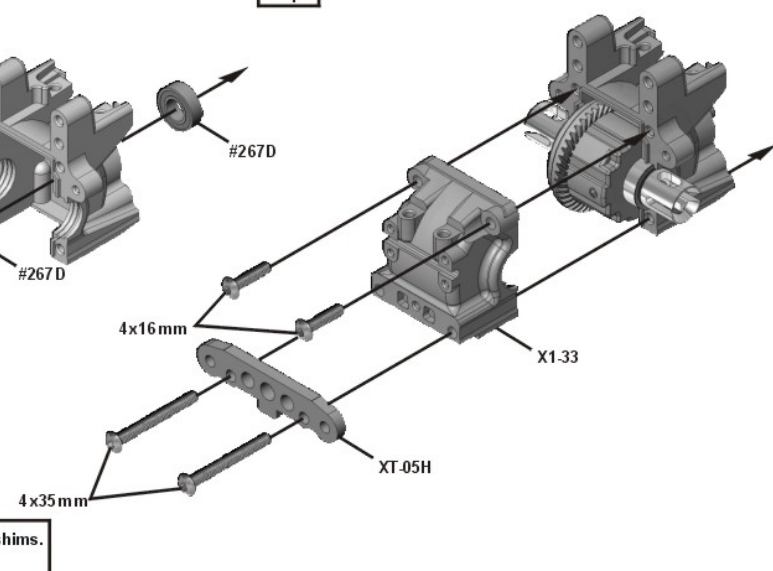
**BAG** NO.2



Step 1



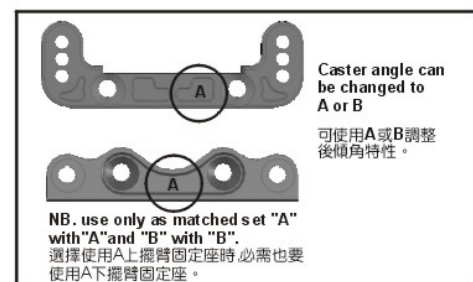
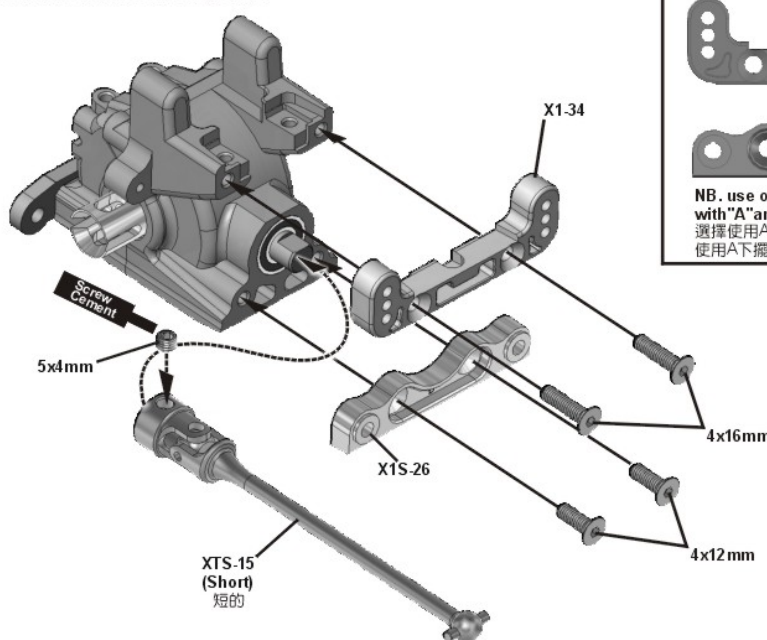
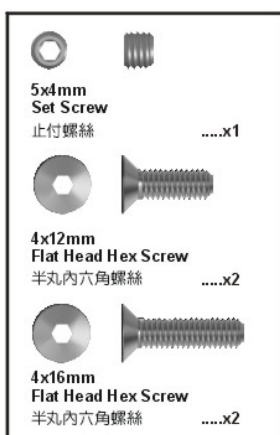
Step 2



#### 6 ASSEMBLY OF THE FRONT ARMS HOLDER

前擺臂固定座組合

**BAG** NO.2



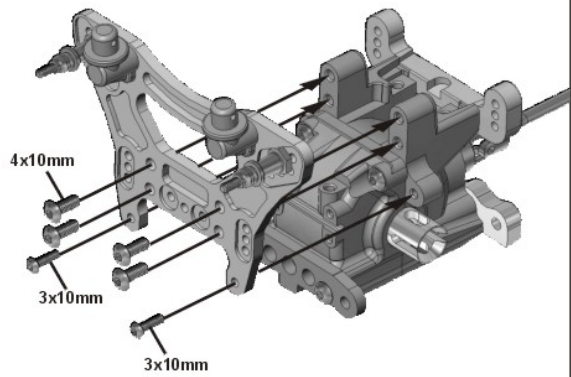
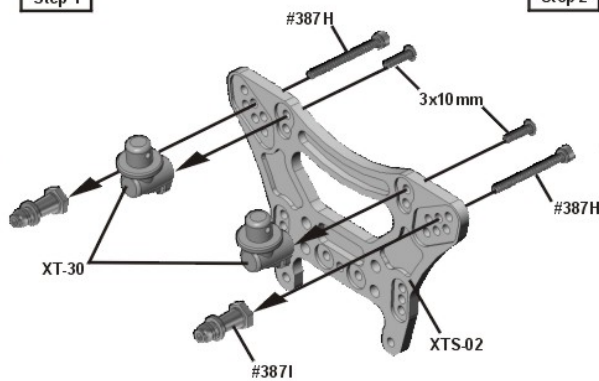
|                                               | Steering Characteristics<br>轉向特性               |
|-----------------------------------------------|------------------------------------------------|
| (A)<br>Caster (High/22 Degree)<br>後傾角 (大/22度) | Steering response becomes milder.<br>轉向反應較為中性  |
| (B)<br>Caster (Low/20 Degree)<br>後傾角 (小/20度)  | Steering response becomes quicker.<br>轉向反應較為快速 |

# 7 ASSEMBLY OF THE FRONT SHOCK STAY 前油壓架組合

**BAG** NO.2

Step 1

Step 2



- 3x10mm Hex Screw  
半丸內六角螺絲 .....x4
- 4x10mm Hex Screw  
半丸內六角螺絲 .....x4
- #387H 3x28mm Cap Screw  
有頭內六角螺絲 .....x2

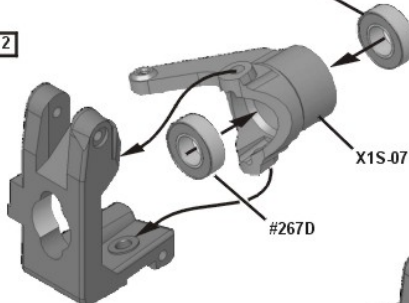
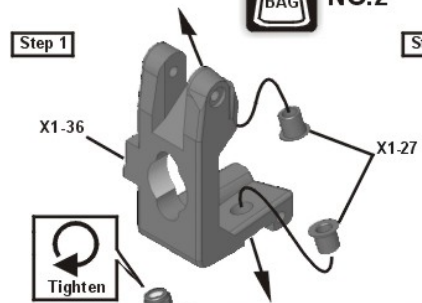
# 8 ASSEMBLY OF THE KNUCKLE ARMS 轉向座組合

**BAG** NO.2

Step 1

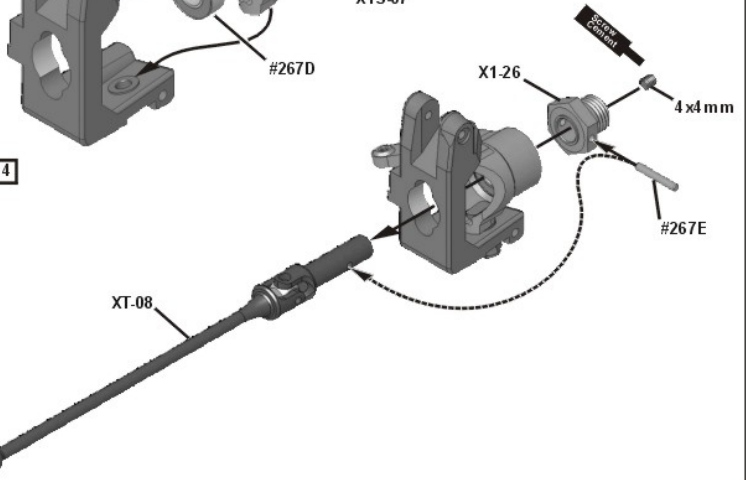
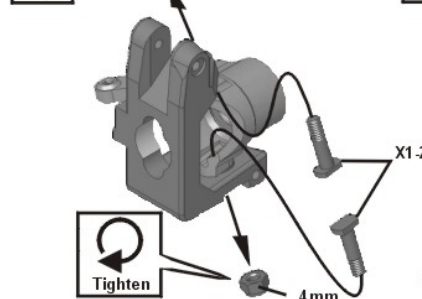
Step 2

Assemble both right and left sides  
請組合左 / 右兩側



Step 3

Step 4

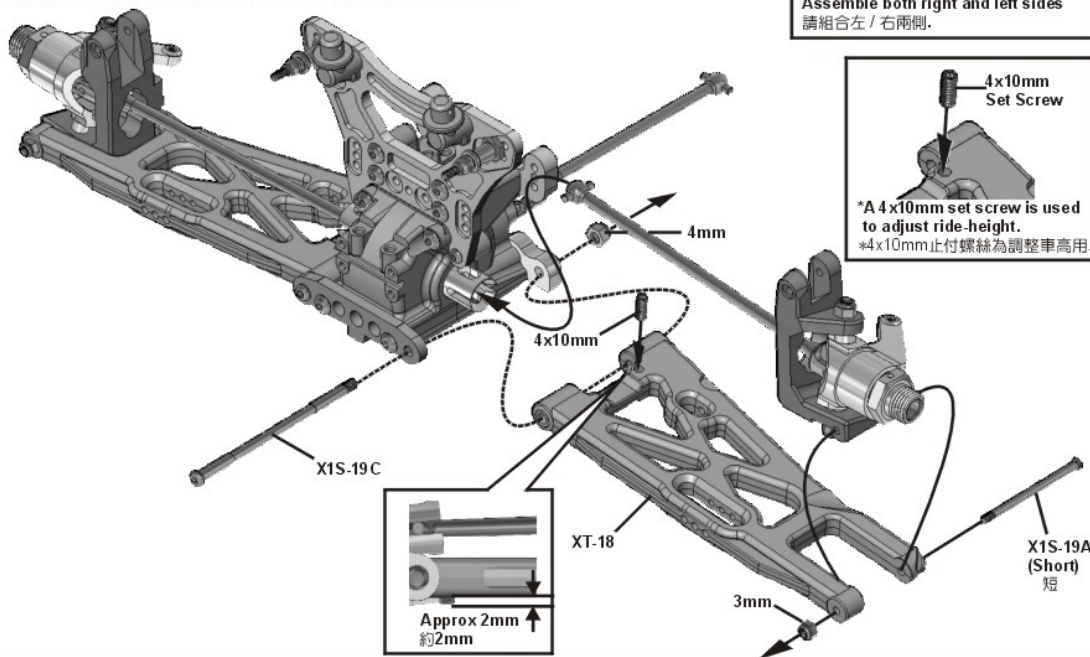


- 4x4mm Set Screw  
止付螺絲 .....x2
- 4mm Nylon Nut  
尼龍螺帽 .....x4
- X1-27 Knuckle Arm Bushing  
轉向座襯套 .....x4
- 2.5x16.8mm Pin  
滾針 .....x2
- X1-28 King Pin Screw  
大王銷螺絲 .....x4

# 9 ASSEMBLY OF THE KNUCKLE ARMS INTO FRONT LOWER ARMS 轉向座組合

**BAG** NO.2

Assemble both right and left sides  
請組合左 / 右兩側.



- 3mm Nylon Nut  
尼龍螺帽 .....x2
- 4mm Nylon Nut  
尼龍螺帽 .....x2
- 4x10mm Set Screw  
止付螺絲 .....x2

4x10mm Set Screw

\*A 4x10mm set screw is used to adjust ride-height.  
\*4x10mm止付螺絲為調整車高用。

Approx 2mm  
約2mm



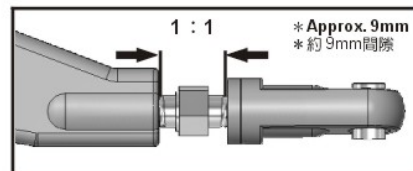
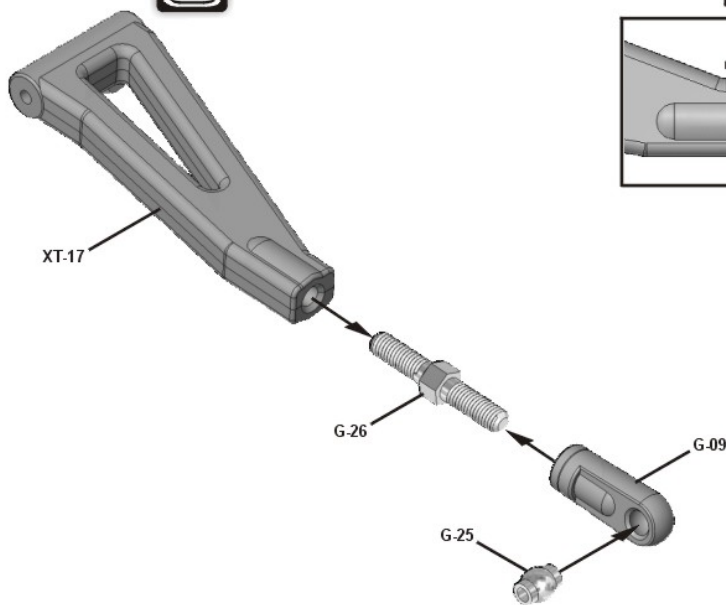
## 10 ASSEMBLY OF THE FRONT UPPER ARMS

前上擺臂組合



NO.2

Assemble both right and left sides  
請組合左 / 右兩側



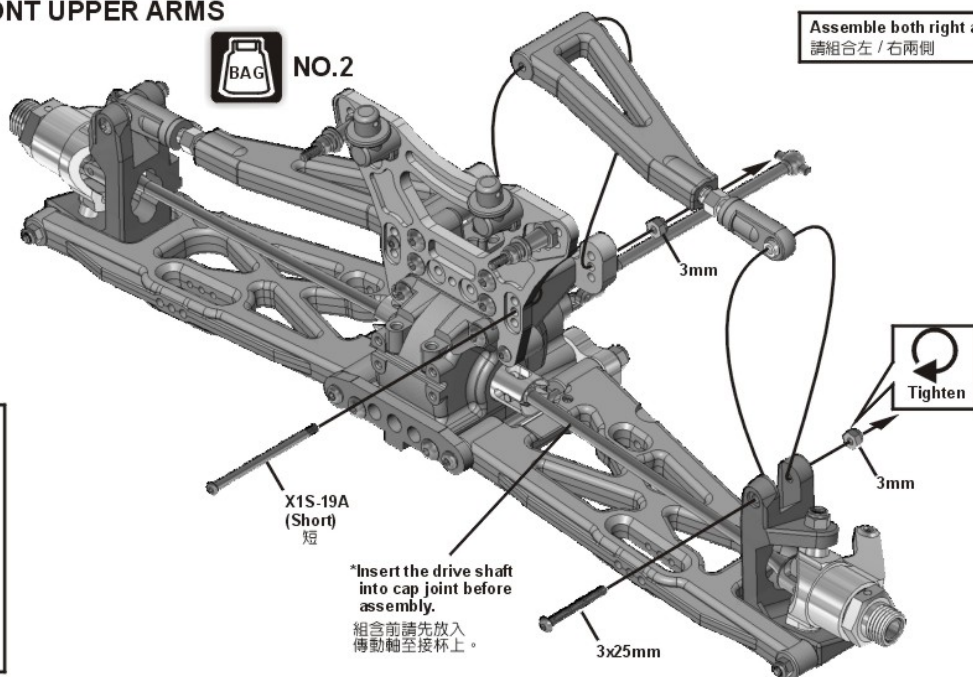
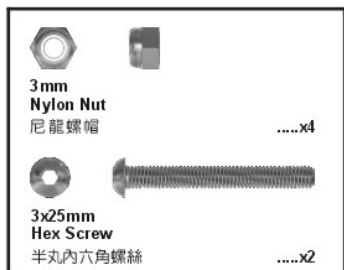
## 11 ASSEMBLY OF THE FRONT UPPER ARMS

ONTO GEAR BOX  
前平衡桿組合



NO.2

Assemble both right and left sides  
請組合左 / 右兩側



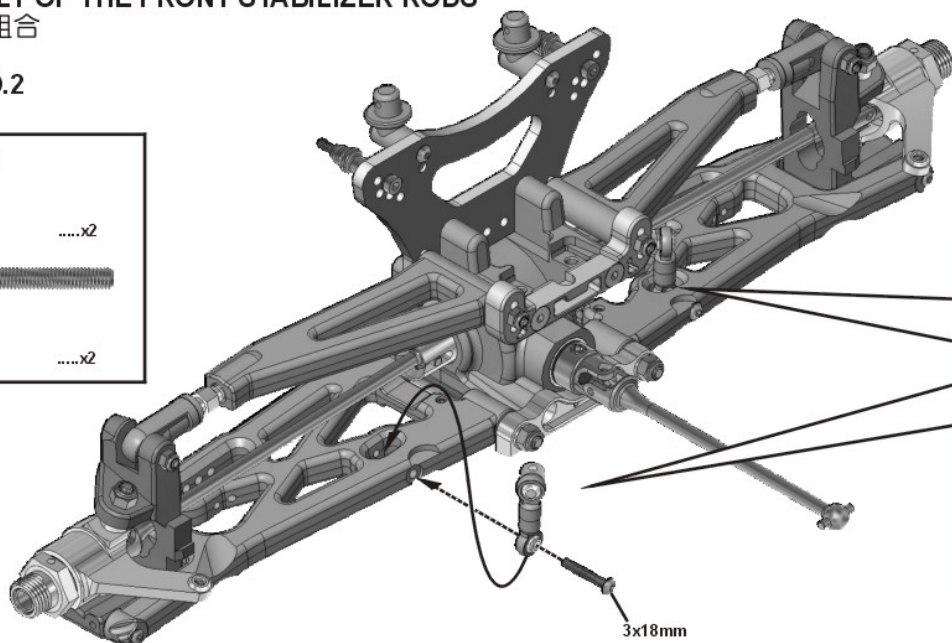
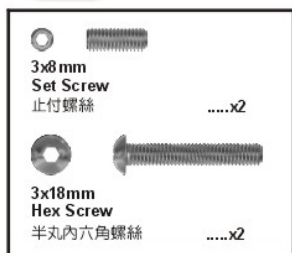
## 12 ASSEMBLY OF THE FRONT STABILIZER RODS

前平衡桿組合

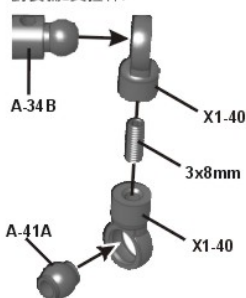


NO.2

Assemble both right and left sides  
請組合左 / 右兩側



Make two rods for left and right-hand sides.  
請裝備2支拉桿。

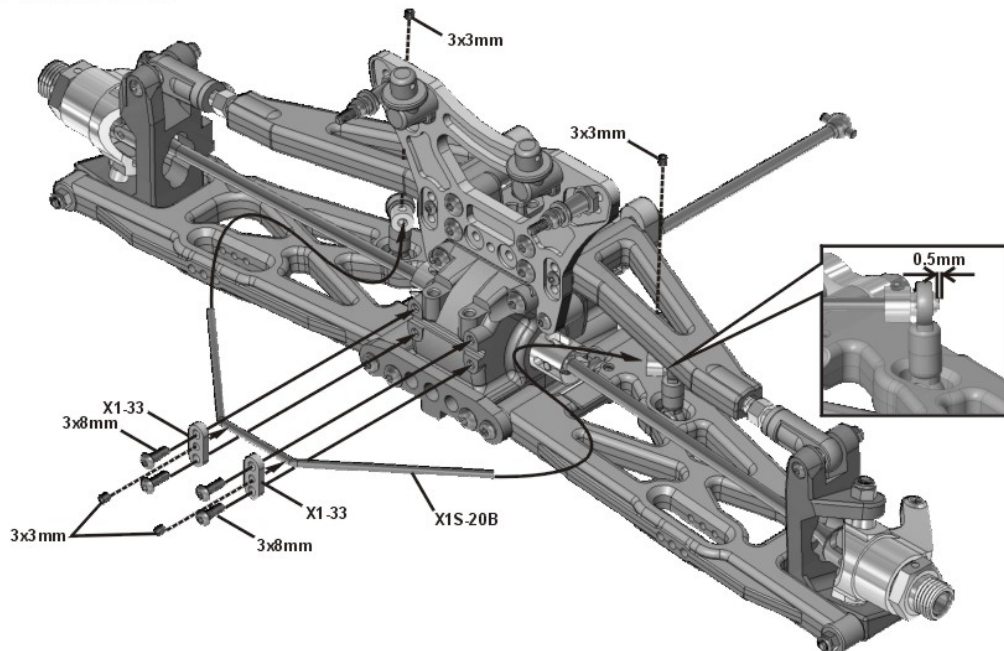


### 13 ASSEMBLY OF THE FRONT STABILIZER

#### 前平衡桿組合



- 3x3mm Set Screw 止付螺絲 .....x4
- 3x8mm Hex Screw 半丸內六角螺絲 .....x4



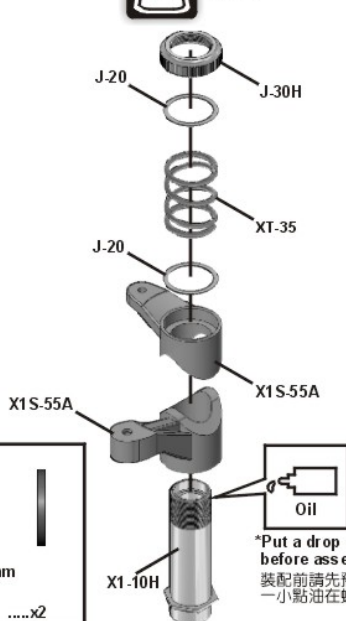
### 14 ASSEMBLY OF THE SERVO SAVER

#### 緩衝組組合

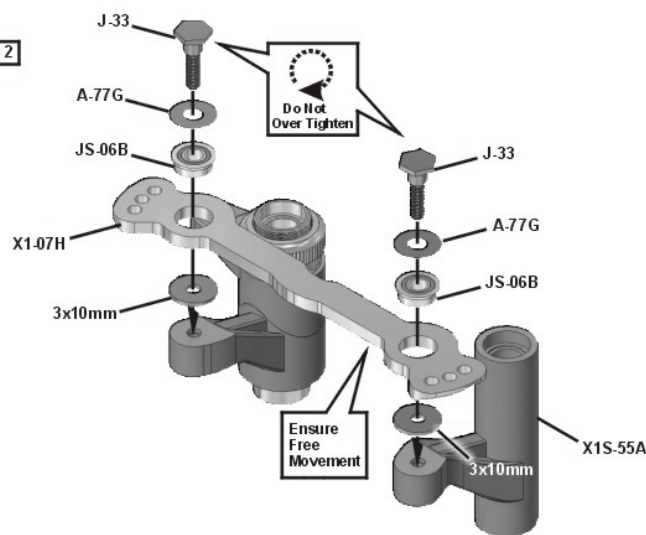


- A-77G 4x10mm Washer 墊片 .....x2
- JS-06B 4x8mm Ball Bearing 培林 .....x2
- J-20 3x8mm Washer 墊片 .....x2
- J-33 Steering Plat Screw 緩衝組六角螺絲 .....x2
- 3x10x1.0mm Washer 墊片 .....x2

Step 1



Step 2



\* Notice the direction of the servo saver connecting plate. 組裝時請依箭頭指示之倒角位置為向下方向。

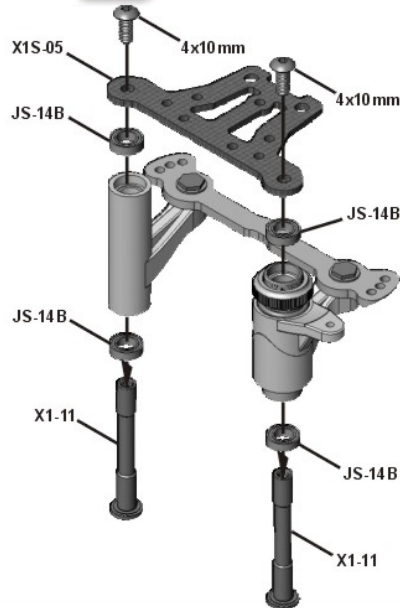
### 15 ASSEMBLY OF THE SERVO SAVER

#### 緩衝組組合

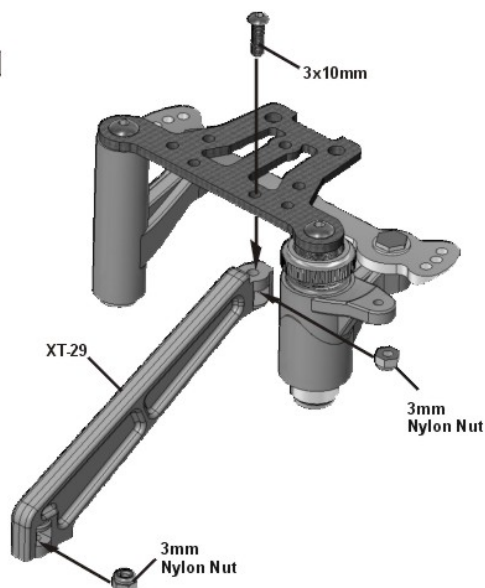


- 3mm Nylon Nut 尼龍螺帽 .....x2
- JS-14B 6x10mm Ball Bushing 培林 .....x4
- 4x10mm Hex Screw 半丸內六角螺絲 .....x2
- 3x10mm Hex Screw 半丸內六角螺絲 .....x1

Step 1



Step 2



## 16 ASSEMBLY OF THE STEERING TIE-ROD

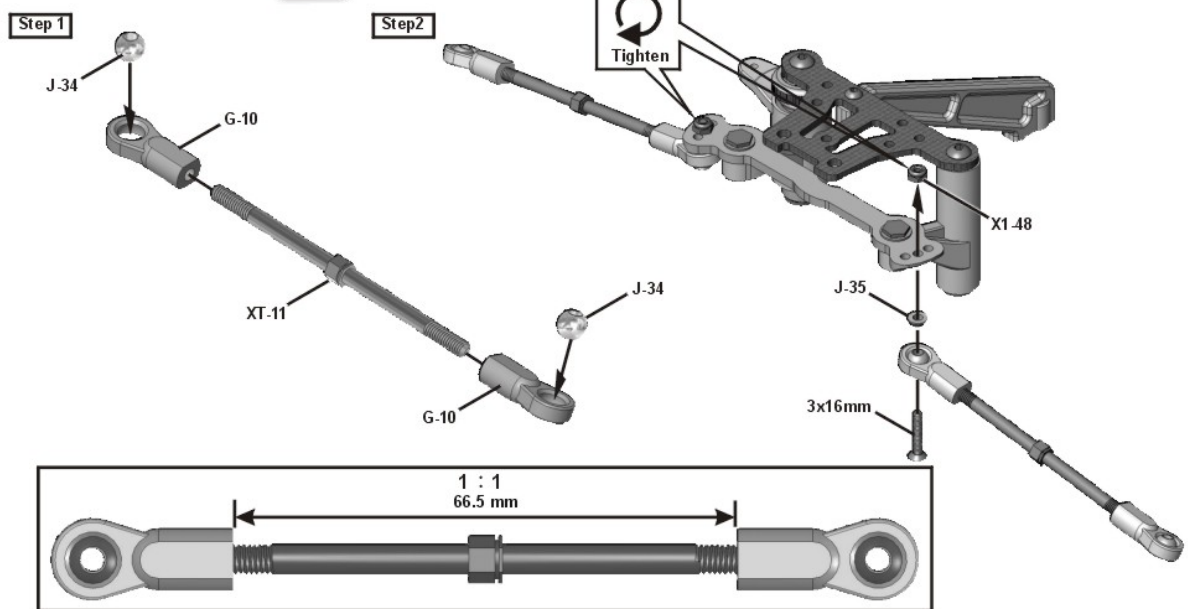
轉向拉桿組合



NO.4

Assemble both right and left sides  
請組合左 / 右兩側

-  J-35  
3m Tapper Washer  
鋁錐形墊片 .....x2
-  X1-48  
Nylon Nut (Thin Type)  
尼龍螺帽 (薄型) .....x2
-  J-34  
7mm Ball  
球型 .....x4
-  3x16mm  
Flat Head Hex Screw  
血頭內六角螺絲 .....x2



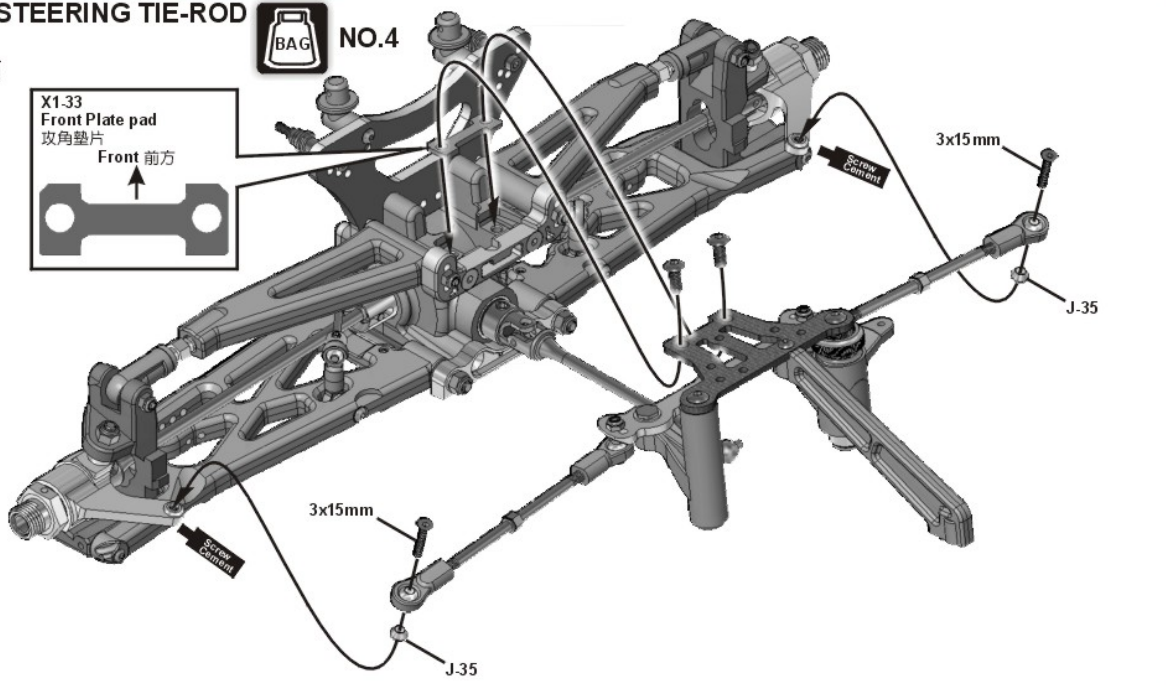
## 17 ASSEMBLY OF THE STEERING TIE-ROD ONTO GEAR BOX

轉向拉桿組合至齒輪箱



NO.4

-  J-35  
3m Tapper Washer  
鋁錐形墊片 .....x2
-  4x10mm  
Hex Screw  
半孔內六角螺絲 .....x2
-  3x15mm  
Flat Head Hex Screw  
血頭內六角螺絲 .....x2



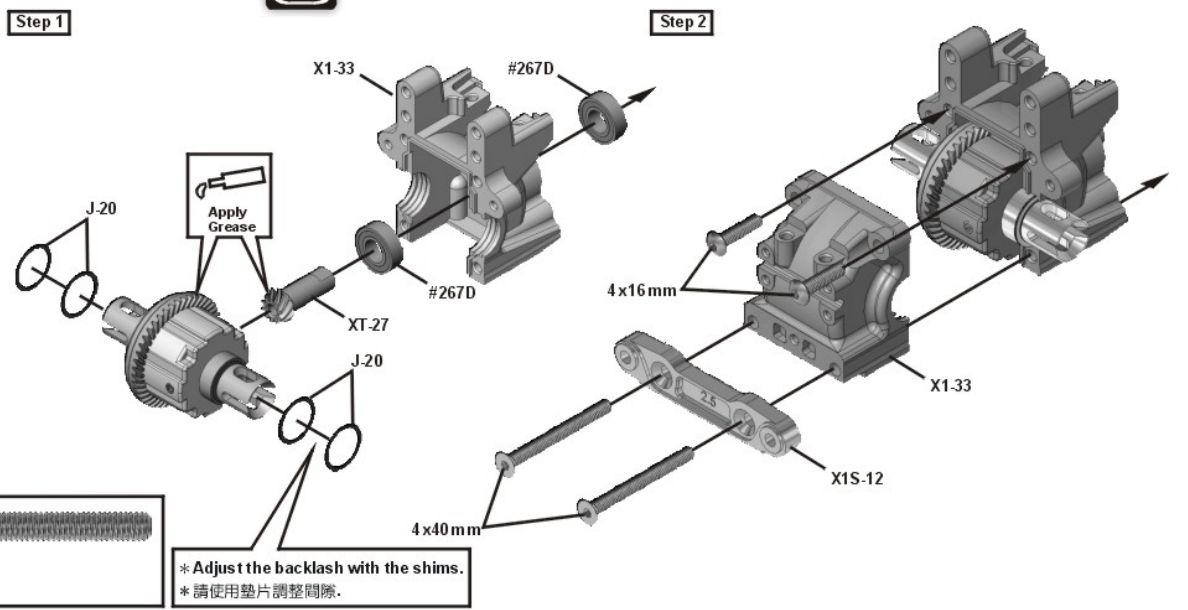
## 18 ASSEMBLY OF THE REAR GEAR CASE

後齒輪箱組合



NO.5

-  J-20  
13x16x0.2mm Shim  
墊片 .....x4
- #267 D 8x16mm Ball Bearing" data-bbox="25 765 100 795"/> #267 D  
8x16mm Ball Bearing  
培林 .....x2
-  4x16mm  
Hex Screw  
半孔內六角螺絲 .....x2
-  4x40mm  
Flat Head Hex Screw  
血頭內六角螺絲 .....x2



## 19 ASSEMBLY OF THE CENTER/REAR UNIVERSAL JOINT

中央後聯結式傳動軸組合

 NO.5

-  5x4mm Set Screw 止付螺絲 .....x1
-  4x12mm Hex Screw 半丸內六角螺絲 .....x4

Step 1



5x4mm

Screw Cement

XTS-15 (Long) 長的

Step 2

XT-30

4x12mm

4x12mm

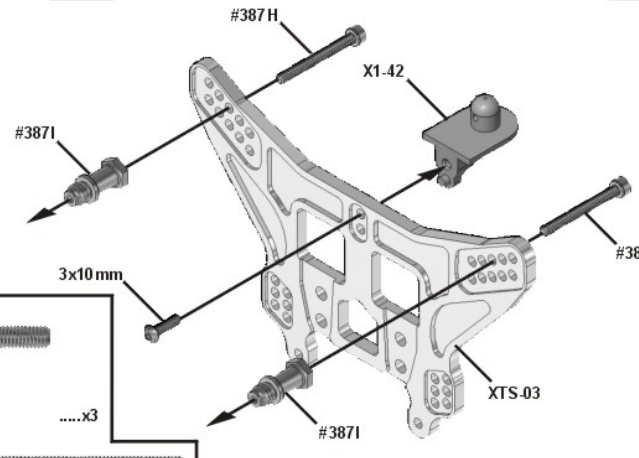
XT-06H

## 20 ASSEMBLY OF THE REAR SHOCK STAY

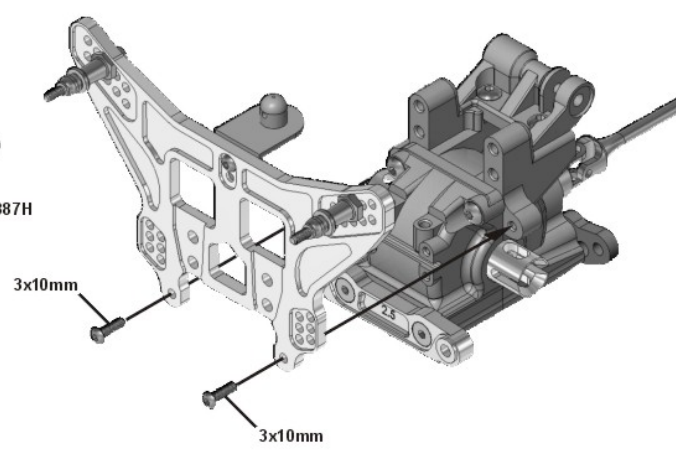
後油壓架組合



 NO.5

Step 1



Step 2





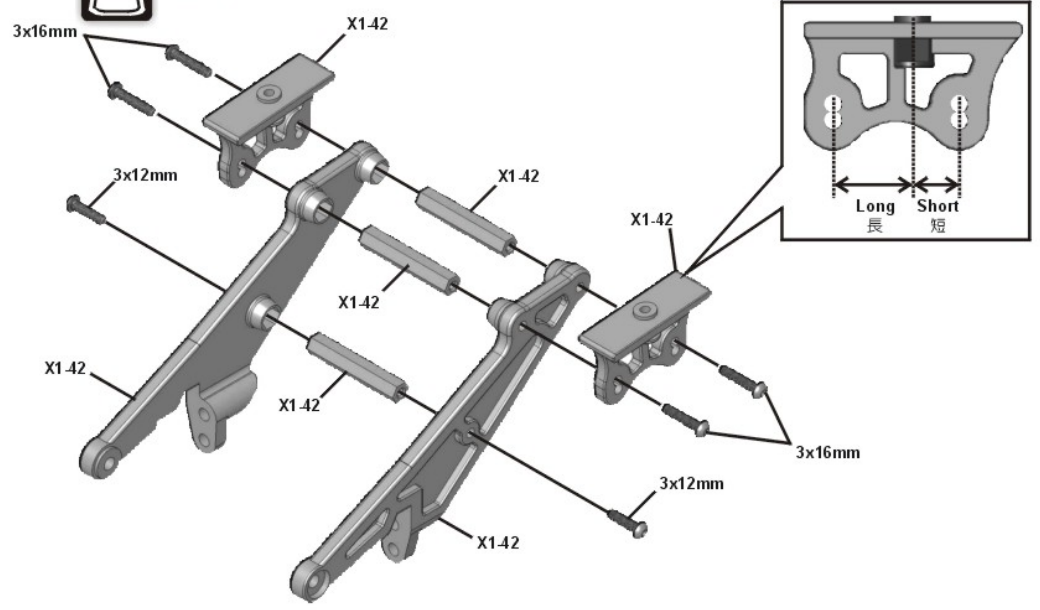
-  3x10mm Hex Screw 半丸內六角螺絲 .....x3
-  #387H 3x28mm 3x28mm Cap Screw 有頭內六角螺絲 .....x2

## 21 ASSEMBLY OF THE WING STAY

後定風翼架組合

 NO.5

-  3x12mm Hex Screw 半丸內六角螺絲 .....x2
-  3x16mm Hex Screw 半丸內六角螺絲 .....x4



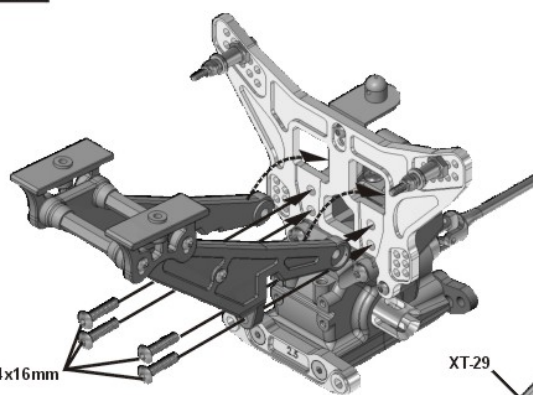
## 22 ASSEMBLY OF THE WING STAY

後定風翼架組合

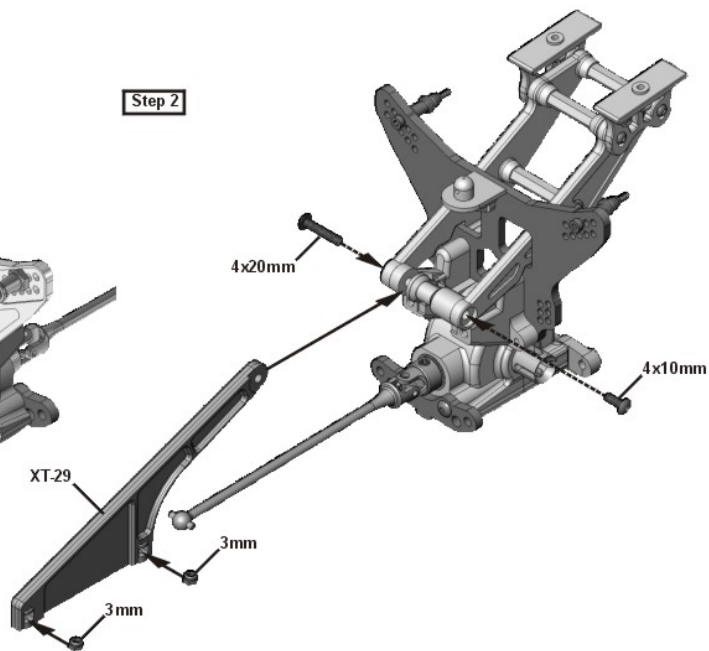
**BAG** NO.4  
NO.5



Step 1



Step 2



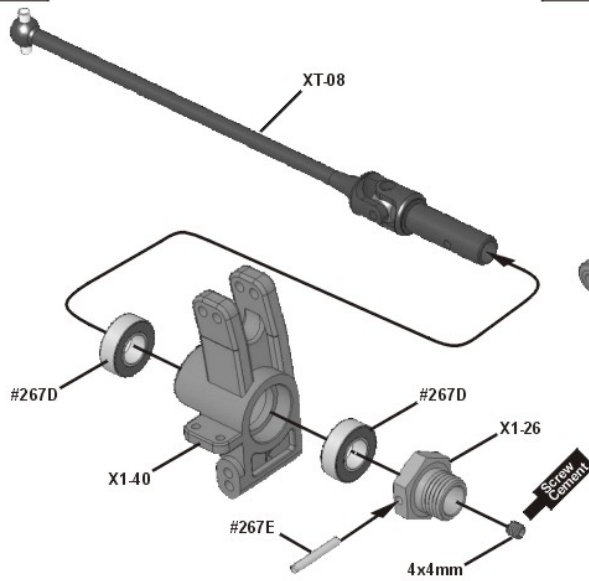
## 23 ASSEMBLY OF THE REAR WHEEL HUBS

後輪座組合

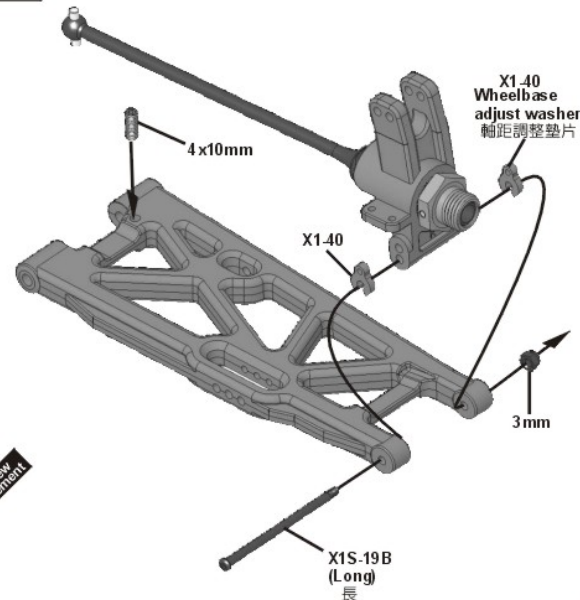
**BAG** NO.2  
NO.5



Step 1



Step 2

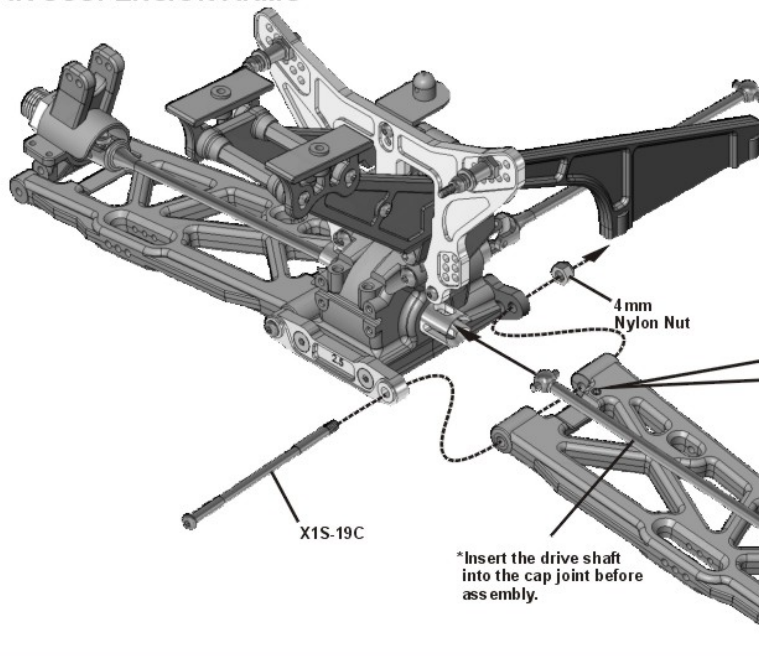


Assemble both right and left sides  
請組合左 / 右兩側

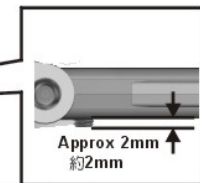
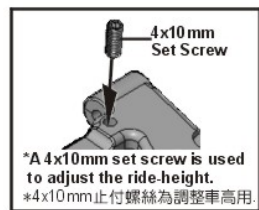
## 24 ASSEMBLY OF THE REAR SUSPENSION ARMS

後懸吊系統組合

**BAG** NO.5



Assemble both right and left sides  
請組合左 / 右兩側

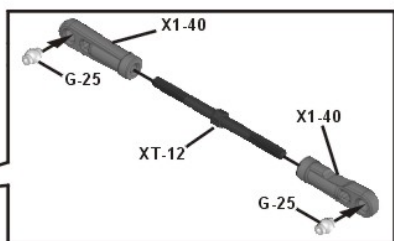
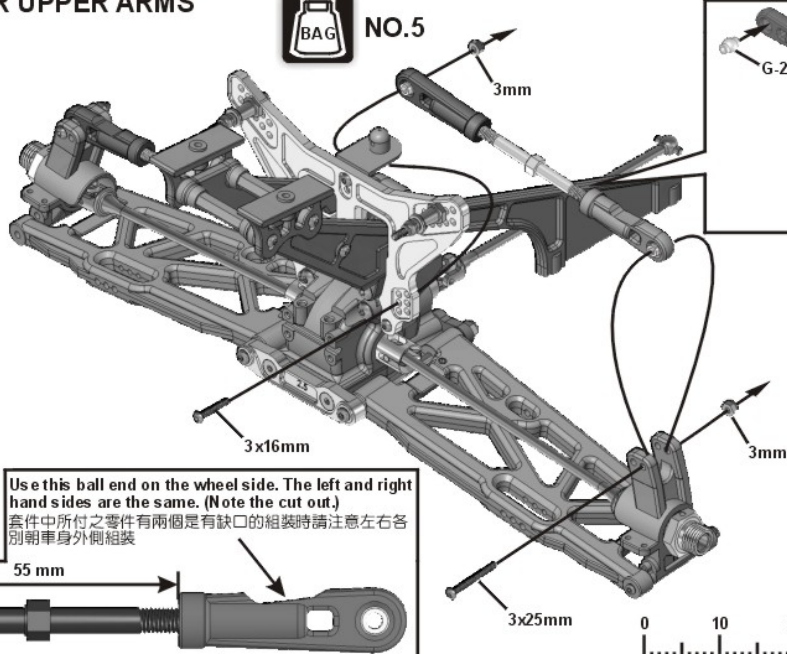


\*Insert the drive shaft into the cap joint before assembly.

## 25 ASSEMBLY OF THE REAR UPPER ARMS 後懸吊系統組合

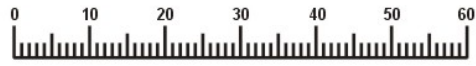
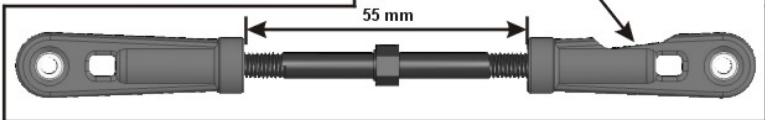


NO.5



- 3mm Nylon Nut  
半丸內六角螺絲 .....x4
- G-25 7mm Ball  
球型 .....x4
- 3x16mm Hex Screw  
半丸內六角螺絲 .....x2
- 3x25mm Hex Screw  
半丸內六角螺絲 .....x2

Use this ball end on the wheel side. The left and right hand sides are the same. (Note the cut out.)  
套件中所付之零件有兩個是有缺口的組裝時請注意左右各別朝車身外側組裝



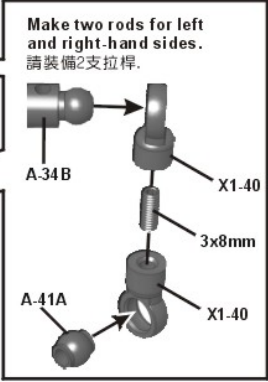
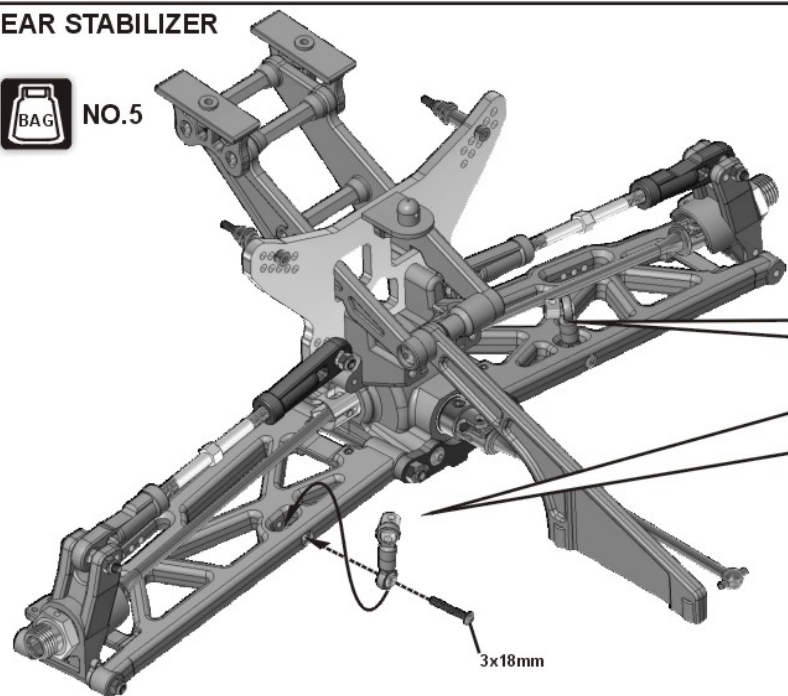
## 26 ASSEMBLY OF THE REAR STABILIZER RODS 後平衡桿拉桿組合



NO.5

Assemble both right and left sides  
請組合左 / 右兩側

- 3x8mm Set Screw  
止付螺絲 .....x2
- 3x18mm Hex Screw  
半丸內六角螺絲 .....x2



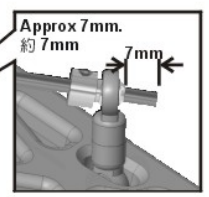
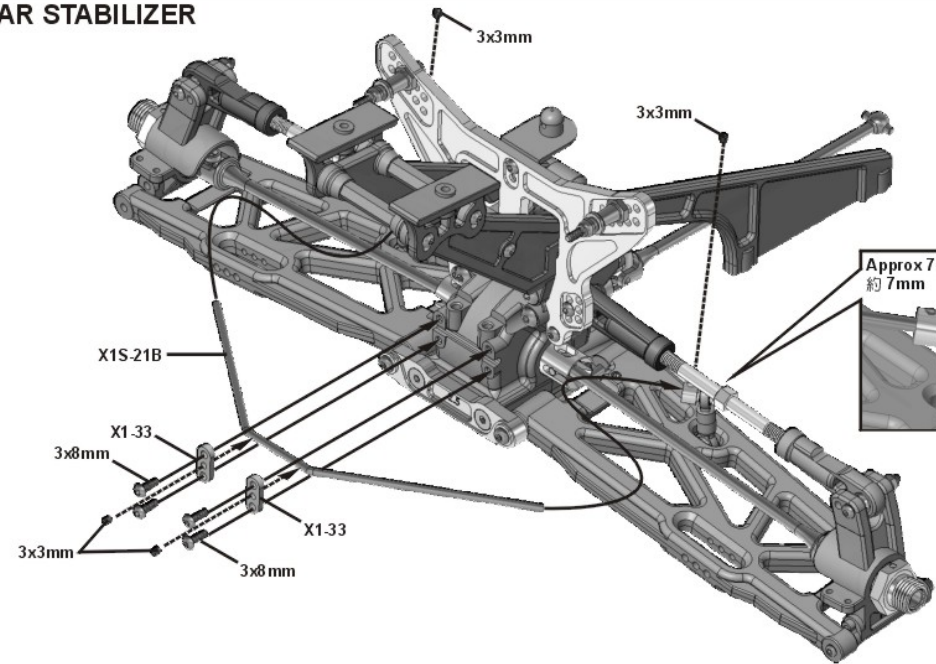
Make two rods for left and right-hand sides.  
請裝備2支拉桿。

## 27 ASSEMBLY OF THE REAR STABILIZER 後平衡桿組合



NO.5

- 3x3mm Set Screw  
止付螺絲 .....x4
- 3x8mm Hex Screw  
半丸內六角螺絲 .....x4



Approx 7mm.  
約 7mm

## 28 ASSEMBLY OF THE STONE GUARD AND BRACE

防撞板與底盤補強桿組合

**BAG** NO.6  
NO.11

Assemble both right and left sides  
請組合左 / 右兩側

**Step 1**

3mm

3mm

XT-30

3x5mm

3x5mm

XT-28

**Step 2**

XTS-13

XTS-12

3x10mm

3x10mm

3x10mm

3x10mm

**\*Drill two 3mm holes for mounting.**  
鑽2個3mm孔以便安裝XT-30。

**3mm Nut**  
螺帽 .....x2

**3x5mm Flat Head Hex Screw**  
血頭內六角螺絲 .....x2

**3x10mm Flat Head Hex Screw**  
血頭內六角螺絲 .....x9

## 29 ASSEMBLY OF THE BRAKE CAM INTO CENTER DIFF.

煞車片與中差座組合

**BAG** NO.6

**Step 1**

3x3mm

A-17A

X1S-52D (Short)

Approx. 3mm.  
約 3mm

**Step 2**

3x12mm

XT-31

G-06

Approx. 3.5mm  
約 3.5mm

**Build two upper brake parts for front and rear.**  
組合兩個中差上座以便前後使用。

**3x3mm Set Screw**  
止付螺絲 .....x1

**#277A 5x8mm Flange Ball Bearing**  
凸緣塔林 .....x2

**3x8mm Flat Head Hex Screw**  
血頭內六角螺絲 .....x4

**3x12mm Hex Screw**  
半丸內六角螺絲 .....x4

**Step 3**

3x8mm

3x8mm

3x8mm

#277A

XTS-17

#277A

X1S-52C (Long)

Front  
前方

## 30 ASSEMBLY OF THE CENTER DIFF. MOUNT

中央差速器與中差座組合

**BAG** NO.6

**Step 1**

XT-31

XT-31

XT-31

XT-31

3x10mm

3x10mm

**Step 2**

3x30mm

3x30mm

3x30mm

XT-16

XT-16

XT-16

**Insert Brake Disc before assembly.**  
請先置入煞車碟片。

**3x3mm Set Screw**  
止付螺絲 .....x1

**3x10mm Flat Head Hex Screw**  
血頭內六角螺絲 .....x2

**3x30mm Hex Screw**  
半丸內六角螺絲 .....x4

**Step 3**

A-17A

3x3mm

Approx. 4mm.  
約 4mm

### 31 ASSEMBLY OF THE FRONT GEAR CASE ONTO CHASSIS

組合前差速箱至底盤



NO.2  
NO.4



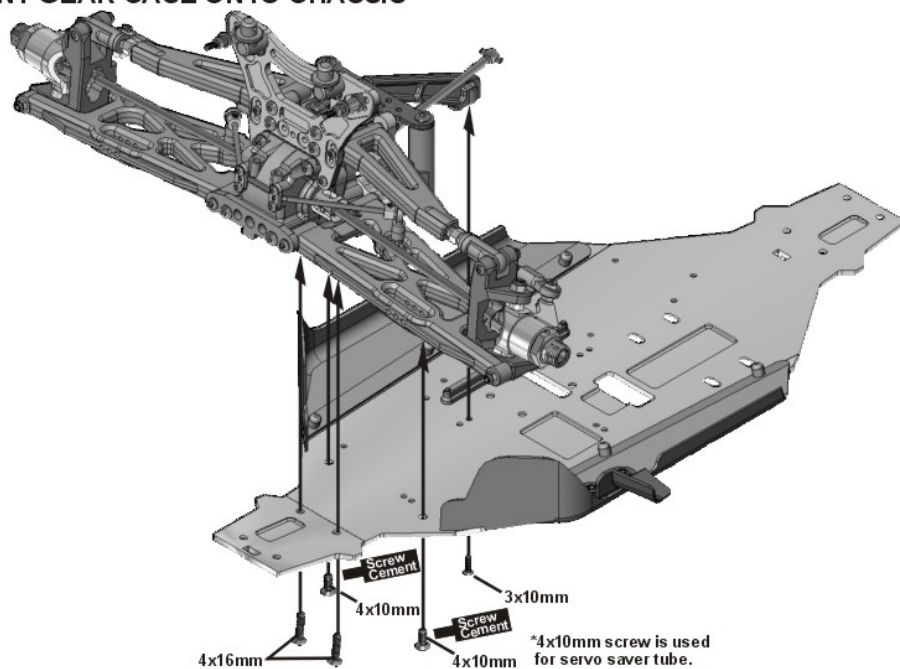
3x10mm  
Flat Head Hex Screw  
皿頭內六角螺絲 .....x1



4x10mm  
Flat Head Hex Screw  
皿頭內六角螺絲 .....x2



4x16mm  
Flat Head Hex Screw  
皿頭內六角螺絲 .....x2



### 32 ASSEMBLY OF THE CENTER DIFF. ONTO CHASSIS

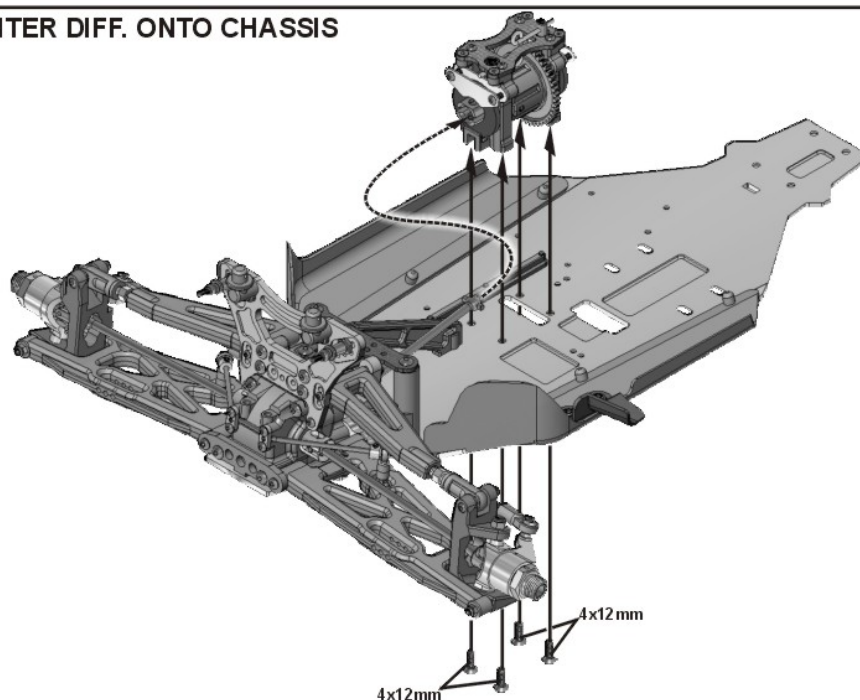
組合中差座至底盤



NO.6



4x12mm  
Flat Head Hex Screw  
皿頭內六角螺絲 .....x4



### 33 ASSEMBLY OF THE REAR GEAR CASE ONTO CHASSIS

組合後齒輪箱至底盤



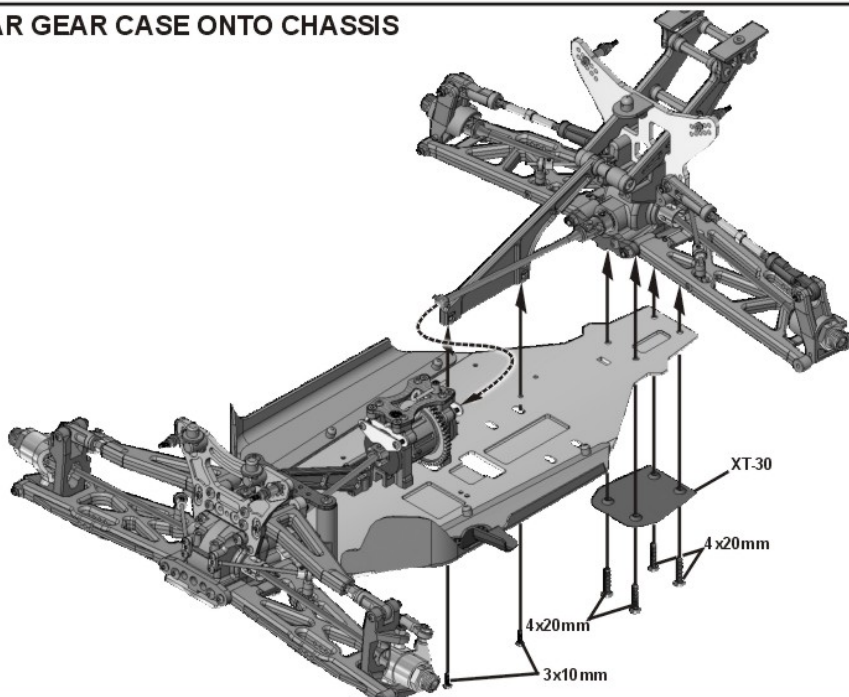
NO.5



3x10mm  
Flat Head Hex Screw  
皿頭內六角螺絲 .....x2



4x20mm  
Flat Head Hex Screw  
皿頭內六角螺絲 .....x4



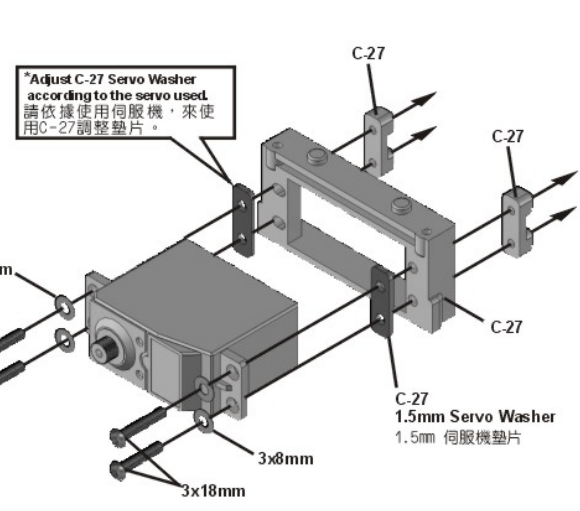
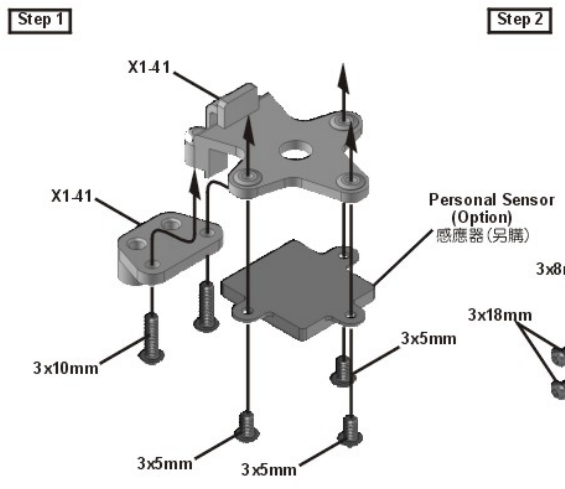


### 34 ASSEMBLY OF THE FRONT SERVO

二樓板組合



- 3x8mm Washer 墊片 .....x4
- 3x5mm Hex Screw 半丸內六角螺絲 .....x3
- 3x10mm Hex Screw 半丸內六角螺絲 .....x2
- 3x18mm Hex Screw 半丸內六角螺絲 .....x4

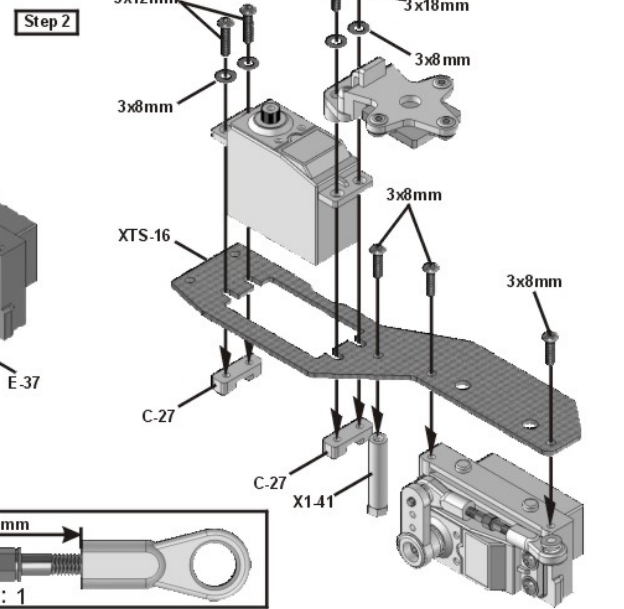
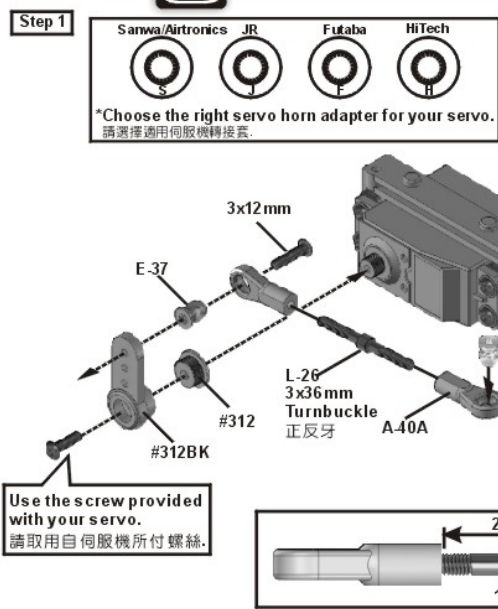


### 35 ASSEMBLY OF THE RADIO TRAY

二樓板組合



- 3x8mm Washer 墊片 .....x4
- E-37 6mm Ball 球型 .....x2
- 3x8mm Hex Screw 半丸內六角螺絲 .....x3
- 3x12mm Hex Screw 半丸內六角螺絲 .....x3
- 3x18mm Hex Screw 半丸內六角螺絲 .....x2

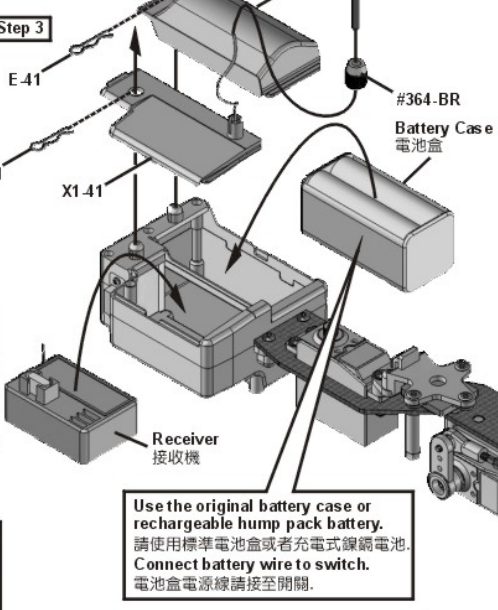
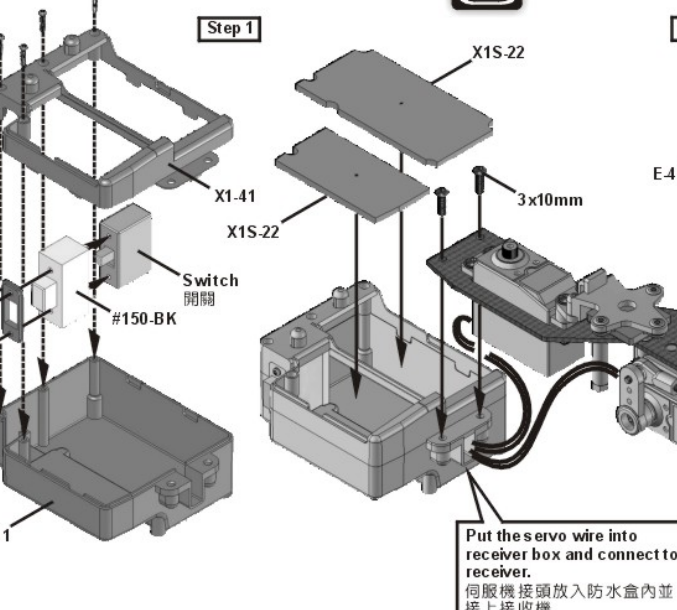


### 36 ASSEMBLY OF THE RADIO TRAY AND RECEIVER BOX

二樓板與防水盒組合



- Step 1**
- \* Connect the switch wire to receiver. 組裝時請將開關電源線接至接收機。
- \* Use the screws provided with your switch 使用開關所附螺絲
- 2x8mm Screw 半丸十字螺絲 .....x4
  - 3x10mm Hex Screw 半丸內六角螺絲 .....x2



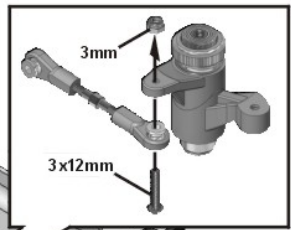
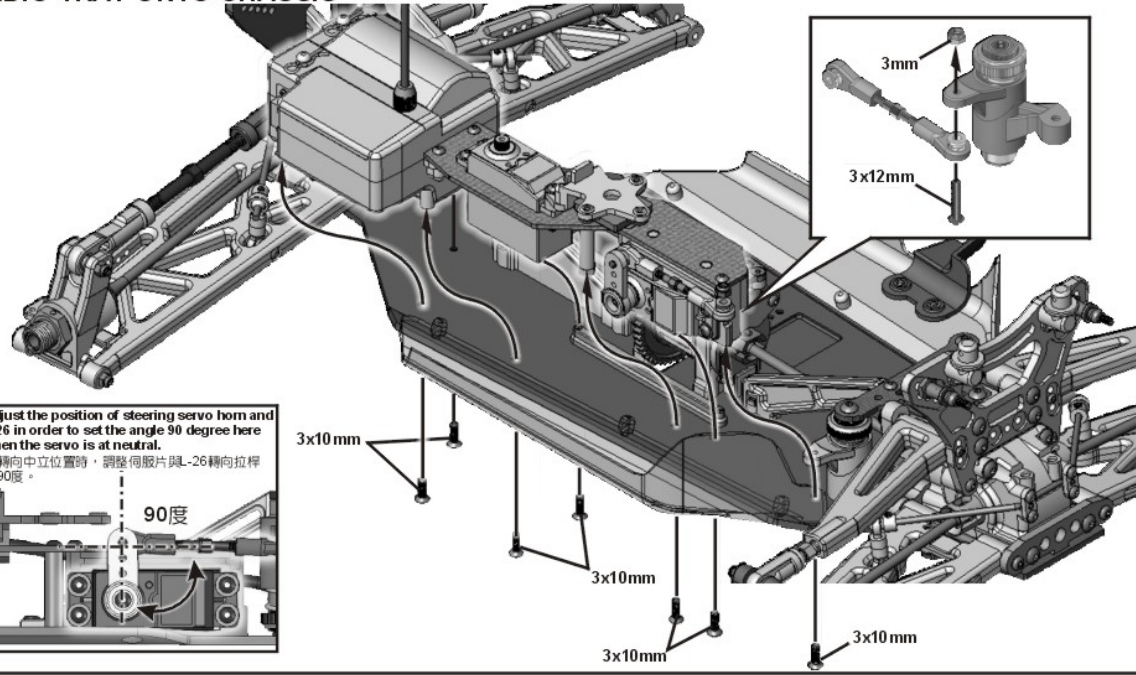
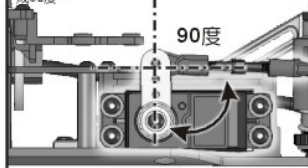
### 37 ASSEMBLY OF THE RADIO TRAY ONTO CHASSIS

組合二樓板至底盤

**BAG** NO.7

-  3mm Nylon Nut 尼龍螺帽 .....x1
-  3x10mm Flat Head Hex Screw 皿頭內六角螺絲 .....x7
-  3x12mm Hex Screw 半丸內六角螺絲 .....x1

Adjust the position of steering servo horn and L-26 in order to set the angle 90 degree here when the servo is at neutral.  
當轉向中立位置時，調整伺服片與L-26轉向拉桿成90度。

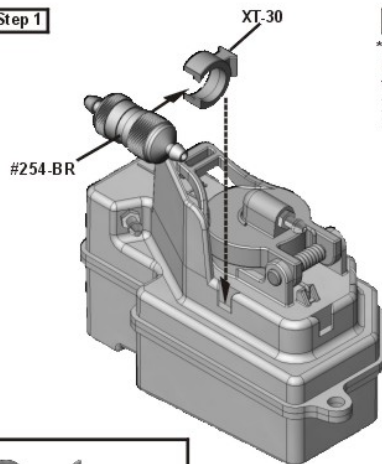


### 38 ASSEMBLY OF THE FUEL TANK

油箱組合

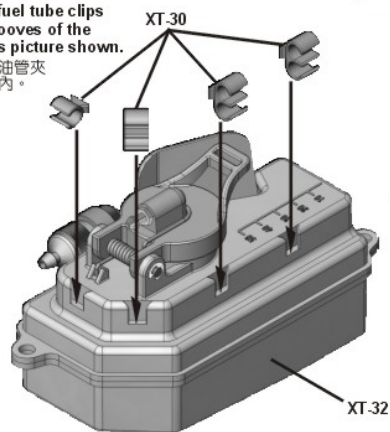
**BAG** NO.5  
NO.9

Step 1



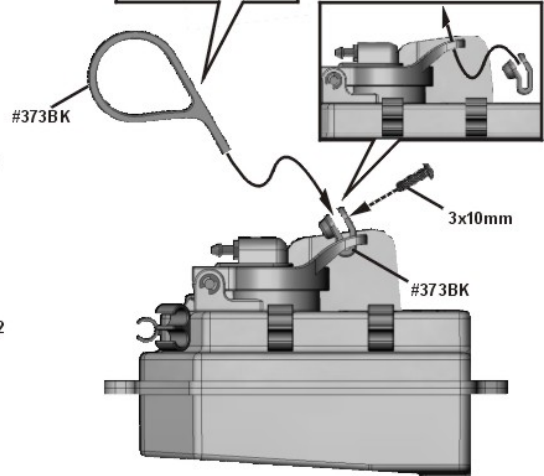
Step 2

\*Insert the fuel tube clips into the grooves of the fuel tank as picture shown.  
如圖示裝配油管夾至油箱溝槽內。



Step 3

\*Cut on these lines.  
\*Choose the right length for your car.



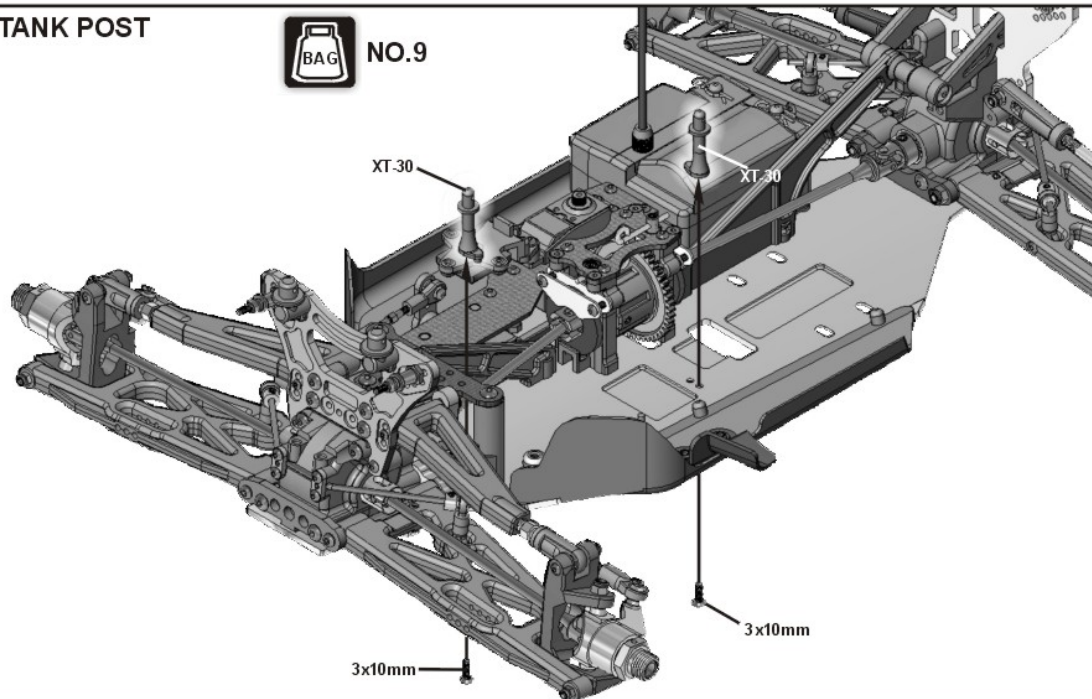
-  3x10mm Hex Screw 半丸內六角螺絲 .....x1

### 39 ASSEMBLY OF THE FUEL TANK POST

組合油箱柱至底盤

**BAG** NO.9

-  3x10mm Flat Head Hex Screw 皿頭內六角螺絲 .....x2

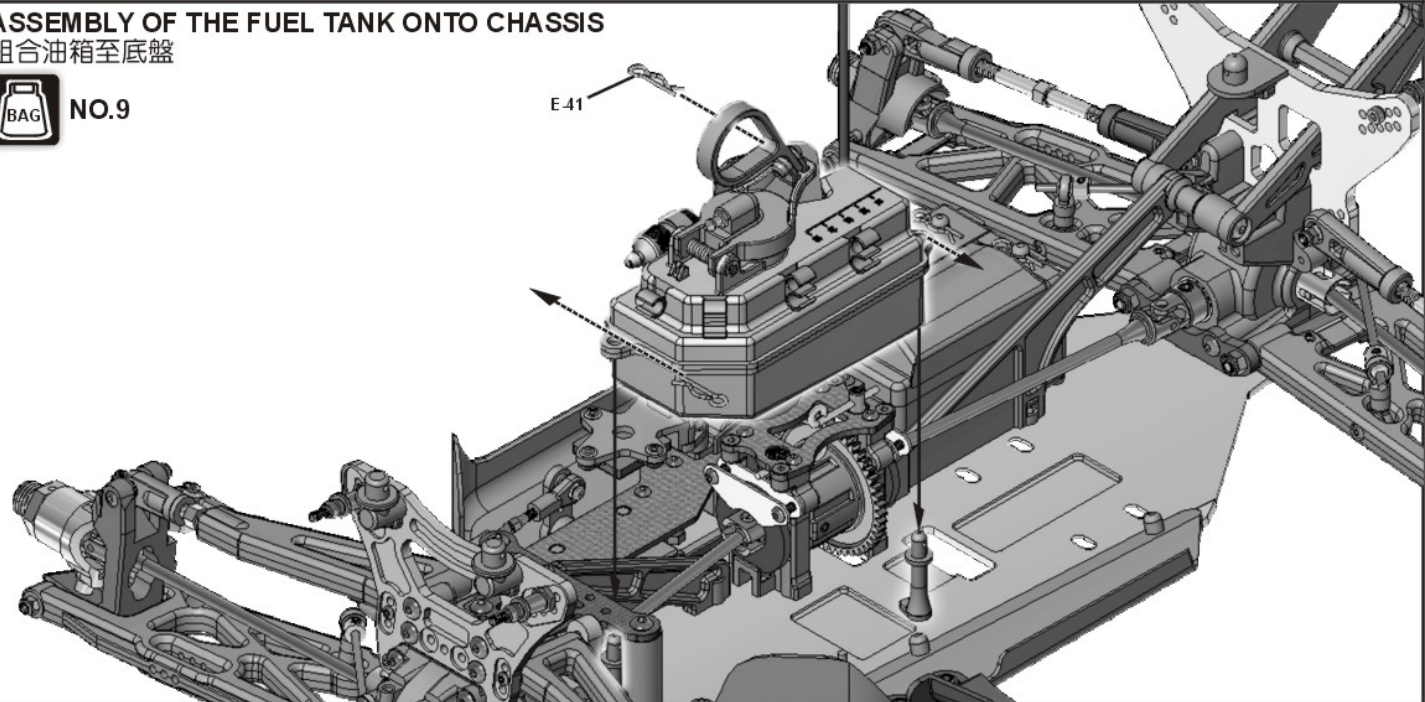


## 40 ASSEMBLY OF THE FUEL TANK ONTO CHASSIS

組合油箱至底盤

**BAG** NO.9

E 41



## 41 ASSEMBLY OF THE CLUTCH

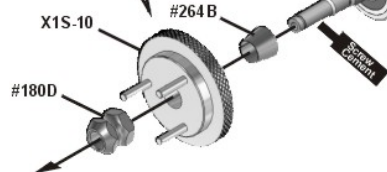
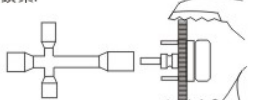
組合離合器

**BAG** NO.8

Step 1

\*Fit the flywheel using a pair of the plier and cross wrench.

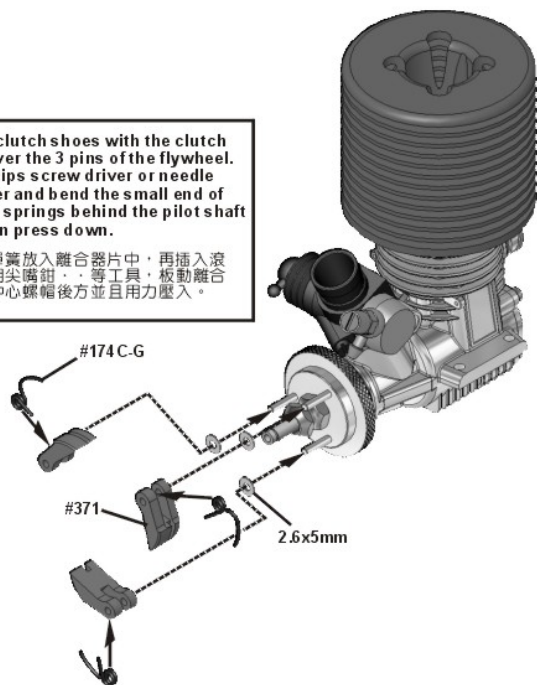
\*請使用夾鉗及套筒板手將中心螺帽鎖緊。



Step 2

\*Place the clutch shoes with the clutch springs over the 3 pins of the flywheel.  
\*Use a phillips screw driver or needle nosed plier and bend the small end of the clutch springs behind the pilot shaft #180D then press down.

\*將離合器彈簧放入離合器片中，再插入滾針，此時用尖嘴鉗、等工具，板動離合器彈簧至中心螺帽後方並且用力壓入。

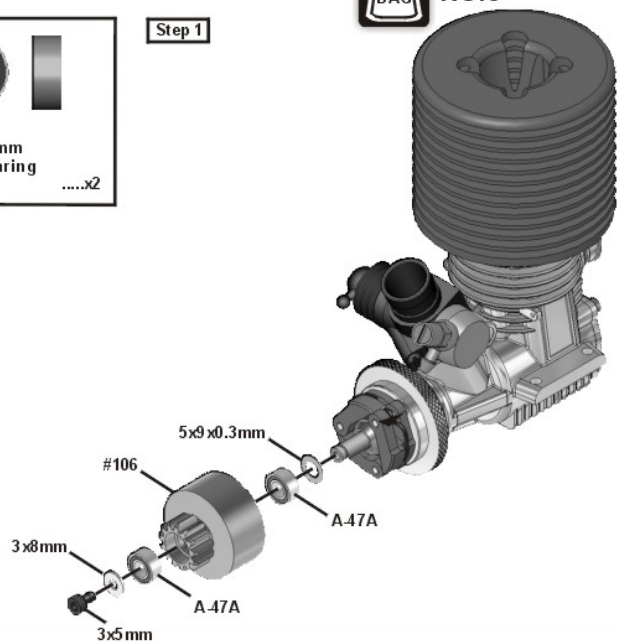
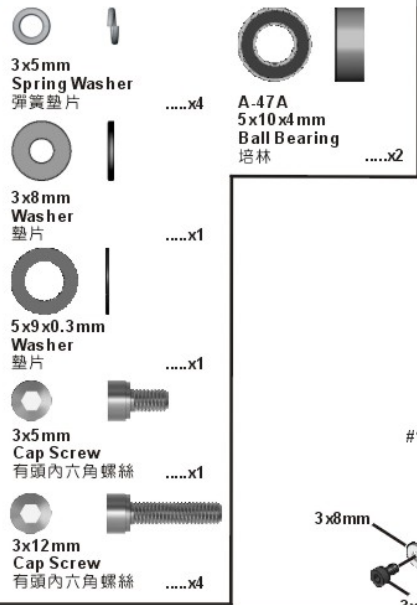


## 42 ASSEMBLY OF THE CLUTCH AND ENGINE MOUNT

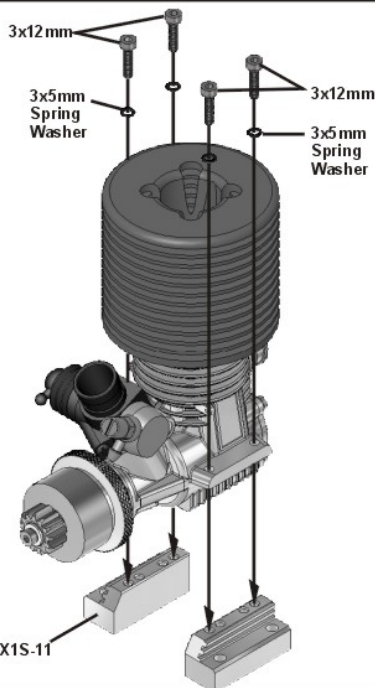
組合離合器與引擎座

**BAG** NO.8

Step 1



Step 2



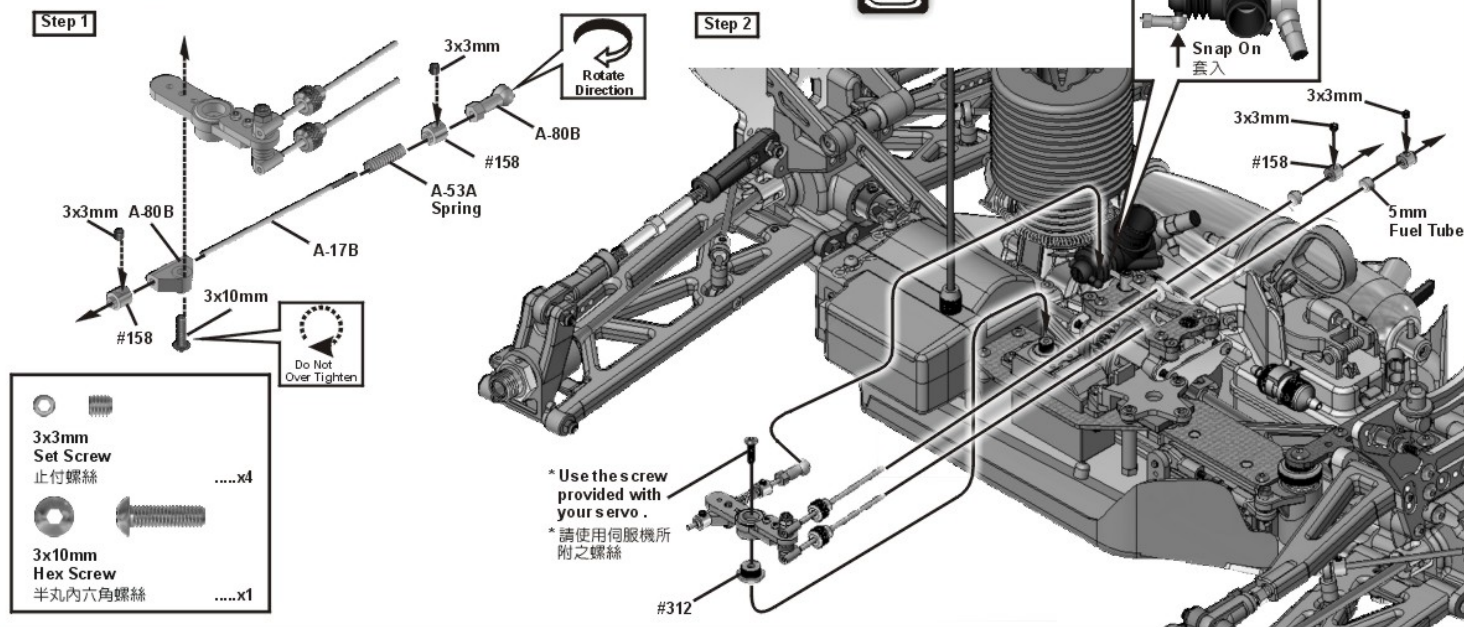
## 46 ASSEMBLY OF THE THROTTLE LINKAGES INTO BRAKE LEVER

油門伺服盤與煞車調整組組合

BAG NO.7

Step 1

Step 2



- 3x3mm Set Screw 止付螺絲 .....x4
- 3x10mm Hex Screw 半丸內六角螺絲 .....x1

\* Use the screw provided with your servo.  
\* 請使用伺服機所附之螺絲

## 47 ADJUSTING THE ENGINE CONTROL LINKAGES

油門 / 煞車拉桿組調整

(Neutral)

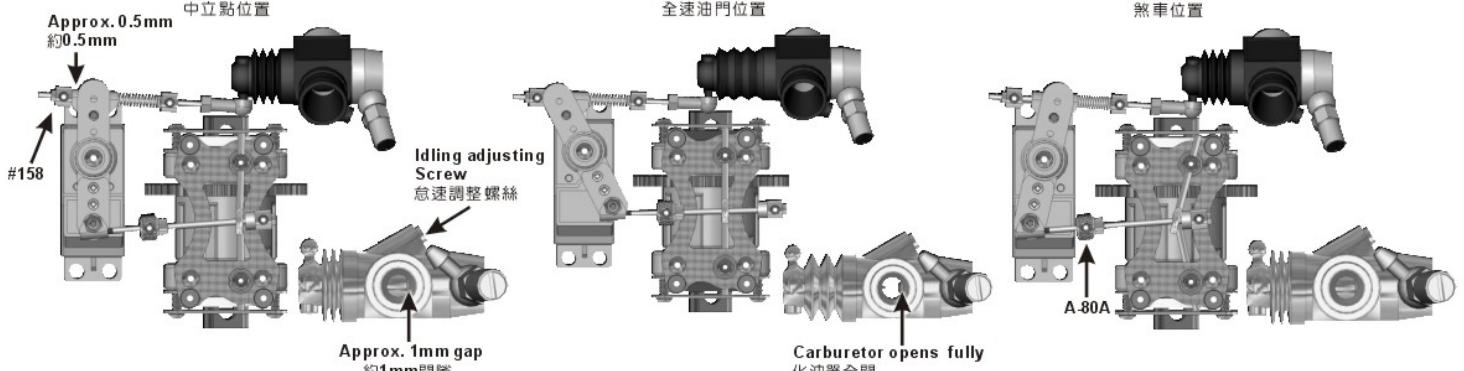
中立點位置

(Throttle High)

全速油門位置

(Brake)

煞車位置



- \* Turn on the Transmitter and Receiver, then set the Engine Control Servo Trim to neutral position.
- \* Adjust the idling adjusting screw on the Carburetor to open approx 1mm gap.
- \* Adjust both #158 Engine Control and Brake linkage accordingly.
- \* Adjust the Engine while it is not running.

- \* 開啟遙控器和接收機的電源並且調整伺服機片在中立位置
- \* 調整怠速螺絲使化油器開口約1mm間隙
- \* 調整 #158 鉛輪檔與油門滑座約0.5mm間隙且油門 / 煞車拉桿在中立位置
- \* 調整引擎怠速中，車子不可行走。

- \* Adjust the Servo-Horn mounting position for the Carburetor to be fully open.
- \* Change the pivot mounting position on the servo horn in case the Carburetor is not opening fully or is opening excessively. Or if available on the Transmitter, adjust the Throttle high end point.

- \* 將遙控器油門開啟在全速位置。
- \* 如果化油器開啟不足或過度請改變油門滑座和伺服片的安裝孔位使化油器開啟至全開位置。若是遙控器有油門行程調整功能，也可使用調整全速油門位置。

- \* Adjust #158 so the brakes work smoothly.
- \* If the brakes apply too much or not enough, adjust A80A accordingly. Or if available on the Transmitter, adjust the High-End Brake adjustment.
- \* Adjust A-80A to change the front or rear brake.

- \* 調整彈簧鉛輪檔使煞車動作滑順。
- \* 如果煞車不足或過度，請適度調整#158鉛輪檔位置，或是遙控器有煞車行程調整功能，也可使用調整煞車位置。
- \* 調整A-80A調整鉛檔，改變前 / 後煞車力度。

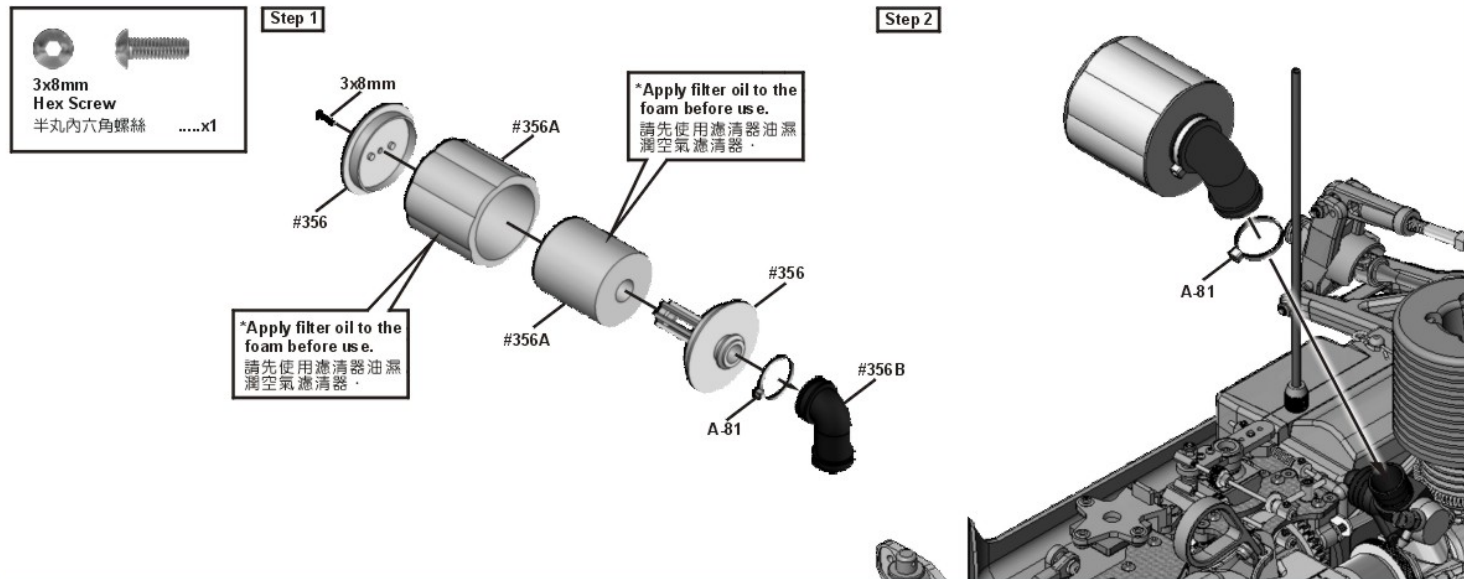
## 48 ASSEMBLY OF THE AIR FILTER

空氣過濾器組合

BAG NO.9

Step 1

Step 2



- 3x8mm Hex Screw 半丸內六角螺絲 .....x1

\* Apply filter oil to the foam before use.  
請先使用濾清器油潤滑空氣濾清器。

\* Apply filter oil to the foam before use.  
請先使用濾清器油潤滑空氣濾清器。

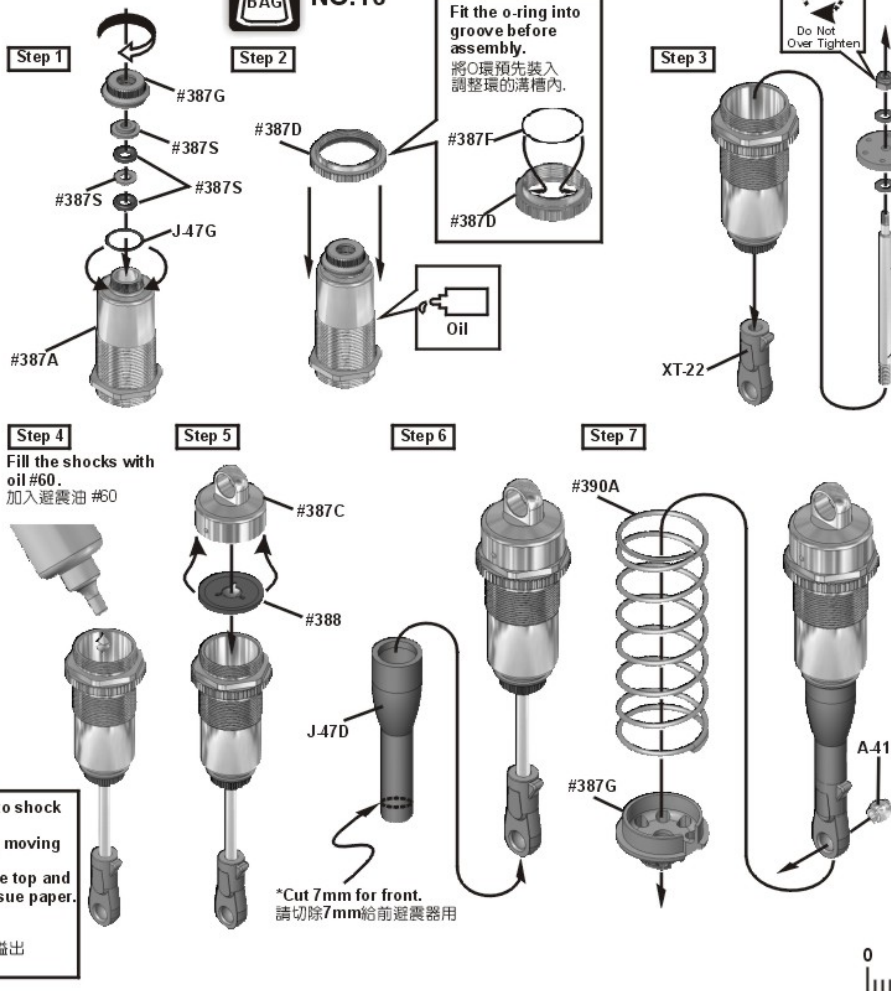
# 49 ASSEMBLY OF THE FRONT SHOCKS

## 前避震器組合

\*Assemble 2 sets for front  
請組合 2 支前面用

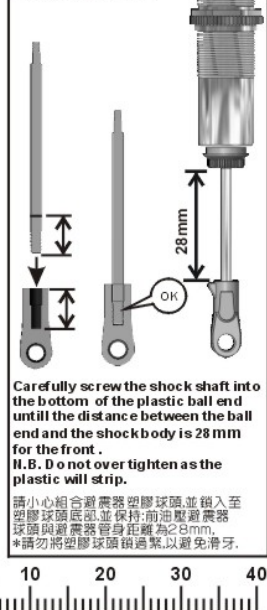
**BAG NO.10**

-  #387S 1mm Washer 墊片 .....x2
-  #387S 3.5mm O-Ring O型環 .....x4
-  #387S 2mm Washer 墊片 .....x2
-  A-41A 6mm Ball 球型 .....x2
-  J-47G 10mmx1mm O-Ring O型環 .....x2



1. Pull down piston and pour oil into shock cylinder.
  2. To remove air bubbles by slowly moving piston up and down.
  3. Pull down piston, attach pressure top and clean shock oil overflow with tissue paper.
1. 拉下活塞到底部並注入避震油。  
2. 輕微上下拉動活塞以使氣泡消失。  
3. 拉下活塞並放入氣室，用棉紙擦拭溢出的避震油。

### CORRECT SHOCK ASSEMBLY



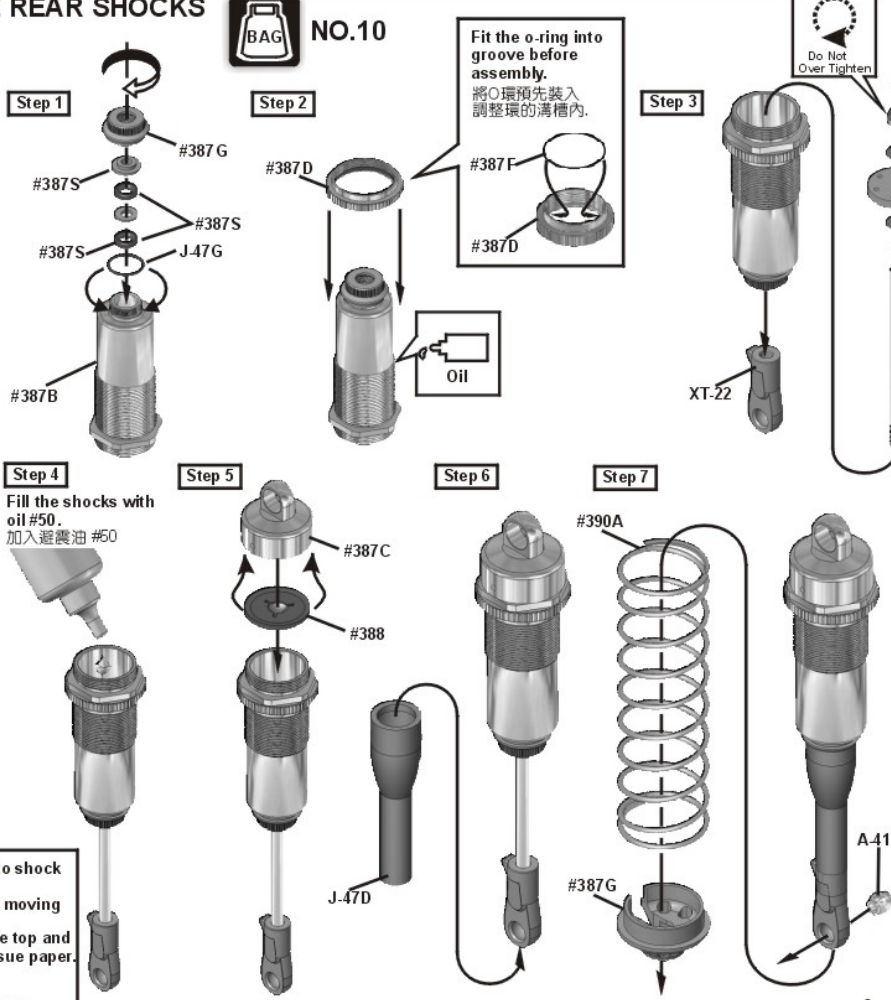
# 50 ASSEMBLY OF THE REAR SHOCKS

## 後避震器組合

\*Assemble 2 sets for rear  
請組合 2 支後面用

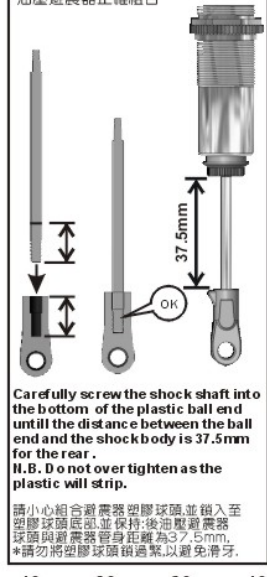
**BAG NO.10**

-  #387S 1mm Washer 墊片 .....x2
-  #387S 3.5mm O-Ring O型環 .....x4
-  #387S 2mm Washer 墊片 .....x2
-  A-41A 6mm Ball 球型 .....x2
-  J-47G 10mmx1mm O-Ring O型環 .....x2

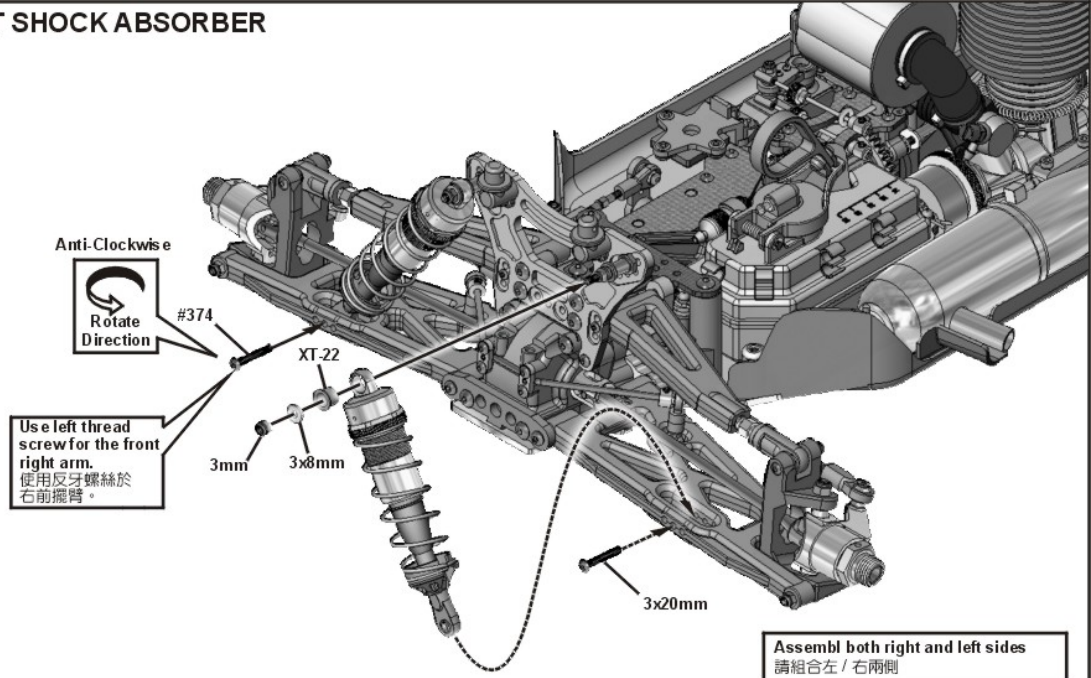


1. Pull down piston and pour oil into shock cylinder.
  2. To remove air bubbles by slowly moving piston up and down.
  3. Pull down piston, attach pressure top and clean shock oil overflow with tissue paper.
1. 拉下活塞到底部並注入避震油。  
2. 輕微上下拉動活塞以使氣泡消失。  
3. 拉下活塞並放入氣室，用棉紙擦拭溢出的避震油。

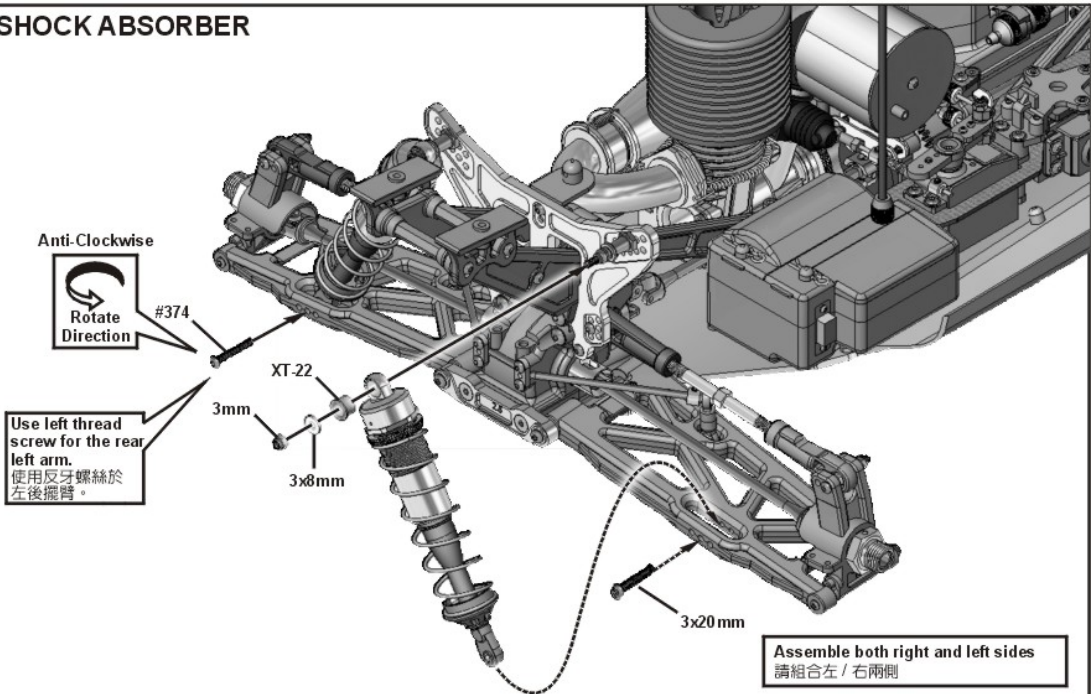
### CORRECT SHOCK ASSEMBLY



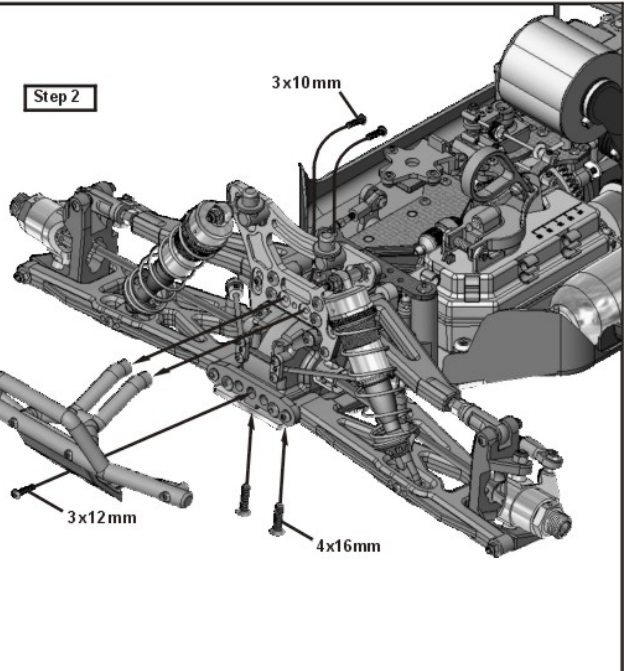
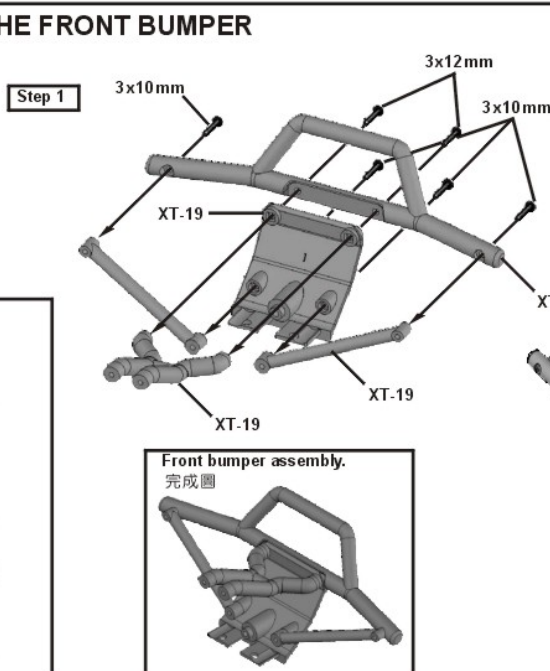
## 51 ASSEMBLY OF THE FRONT SHOCK ABSORBER 前避震器與油壓架組合



## 52 ASSEMBLY OF THE REAR SHOCK ABSORBER 後避震器與油壓架組合



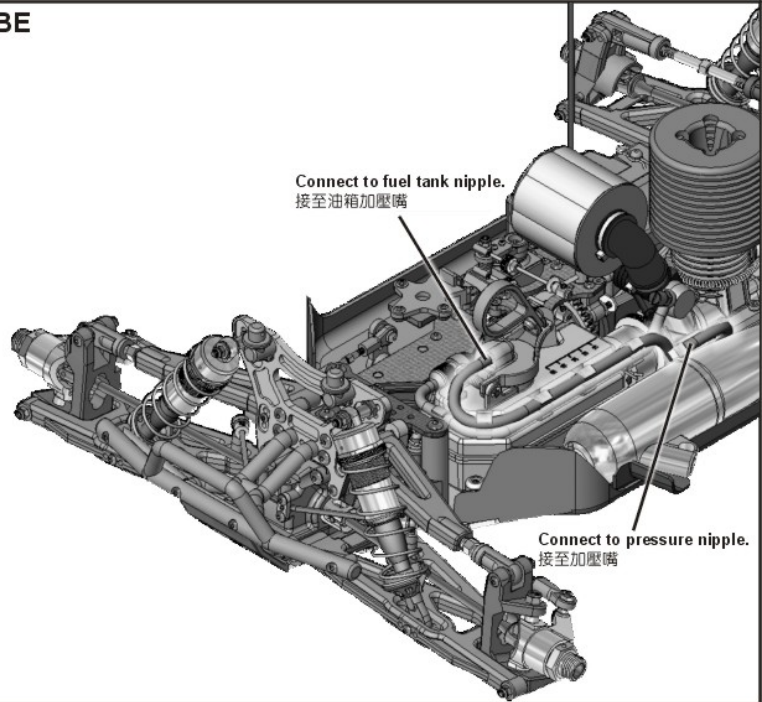
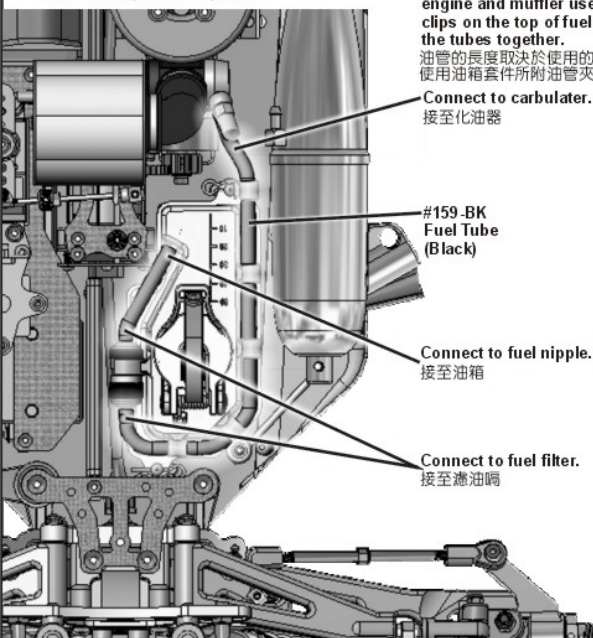
## 53 ASSEMBLY OF THE FRONT BUMPER 前防撞板組合



## 54 ASSEMBLY OF THE FUEL TUBE AND PRESSURE TUBE

### 油管及加壓管組合

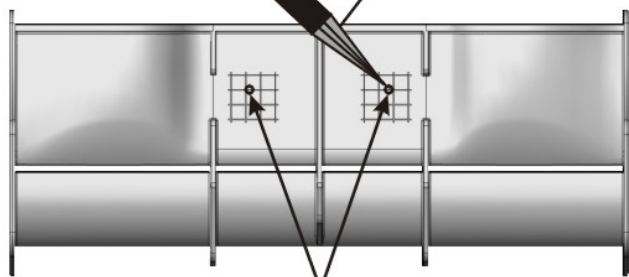
\* Cut the fuel tube depending on engine and muffler used. Use the clips on the top of fuel tank to hold the tubes together.  
油管的長度取決於使用的引擎及排氣管。使用油箱套件所附油管夾將油管夾住。



## 55 ASSEMBLY OF THE WING

### 定風翼架組合

Body Reamer (Not included)  
車殼鑽孔器 (不包含在內)

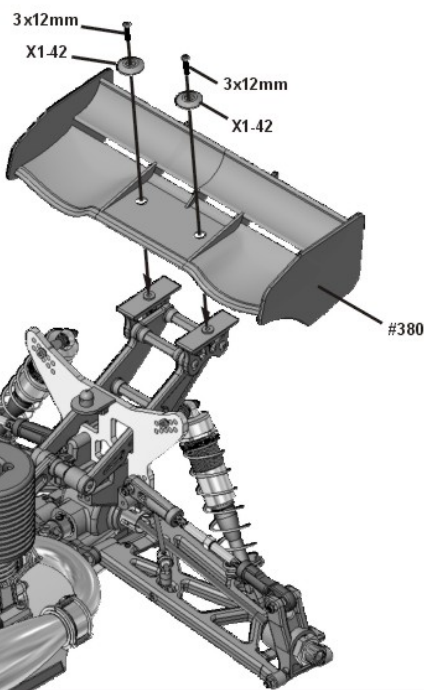


Drill two 7 mm holes for mounting.  
在圖示位置使用鑽孔器鑽出7 mm孔。



3x12mm  
Hex Screw  
半丸內六角螺絲

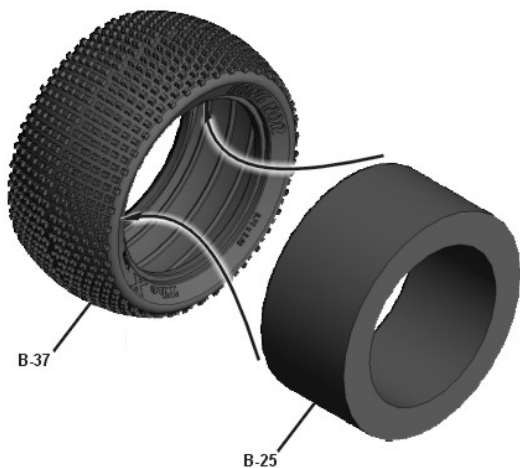
.....x2



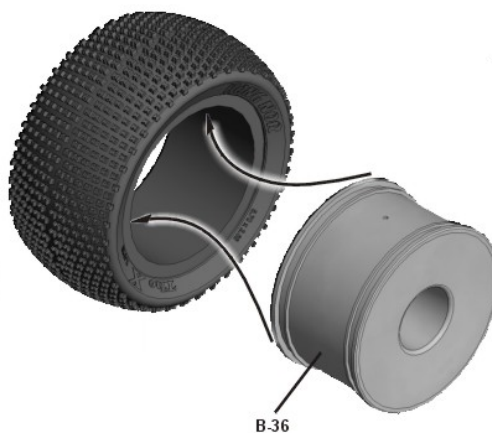
## 56 ASSEMBLY OF THE TIRES AND WHEELS

### 輪胎與輪圈組合

Step 1

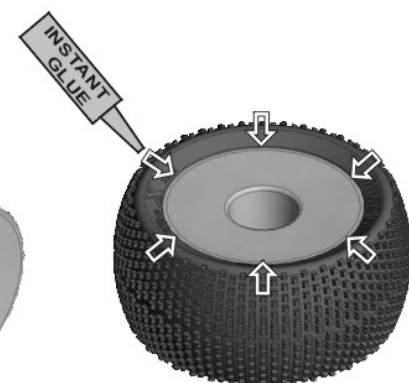


Step 2



Step 3

Apply instant glue into the groove of the wheel.  
請在輪圈與輪胎接合處用瞬間膠水粘合。

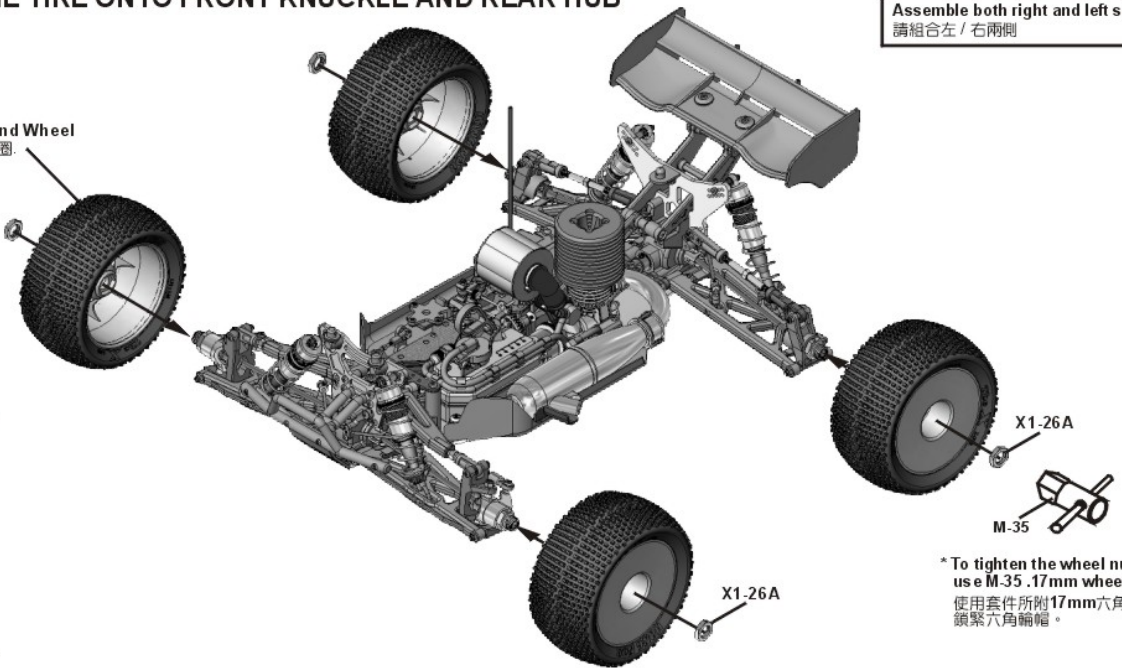


## 57 ASSEMBLY OF THE TIRE ONTO FRONT KNUCKLE AND REAR HUB

安裝輪胎至車體

Assemble both right and left sides  
請組合左 / 右兩側

Assembled Tire and Wheel  
已組合的輪胎和輪圈



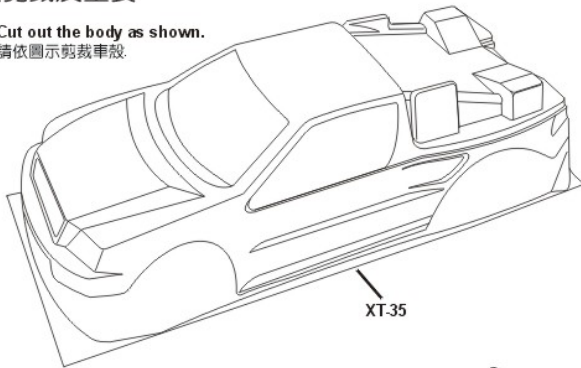
X1-26A  
Wheel Nut  
鋁六角螺帽 .....x4

\* To tighten the wheel nut, use M-35 .17mm wheel nut tool.  
使用套件所附17mm六角板手鎖緊六角輪胎。

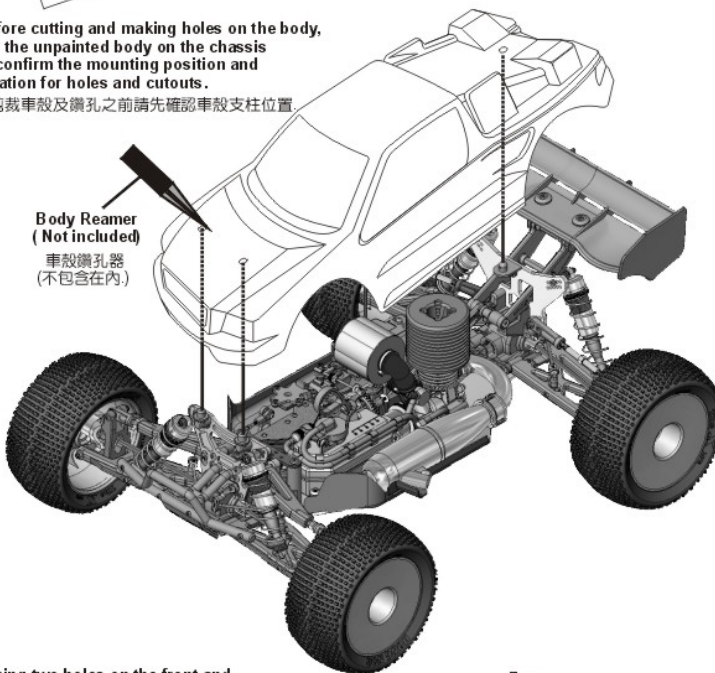
## 58 ASSEMBLY OF THE BODY AND PAINTING

車殼剪裁及塗裝

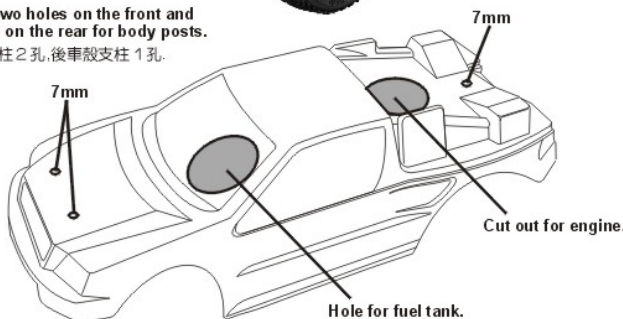
① Cut out the body as shown.  
請依圖示剪裁車殼。



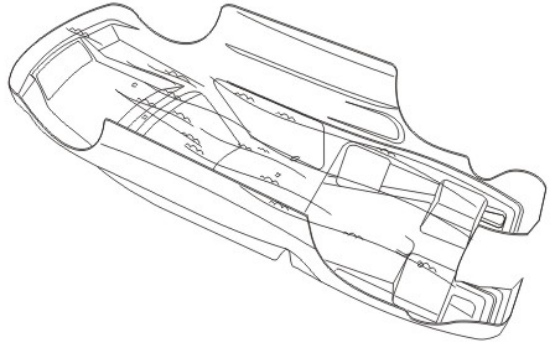
② Before cutting and making holes on the body, put the unpainted body on the chassis to confirm the mounting position and location for holes and cutouts.  
在剪裁車殼及鑽孔之前請先確認車殼支柱位置。



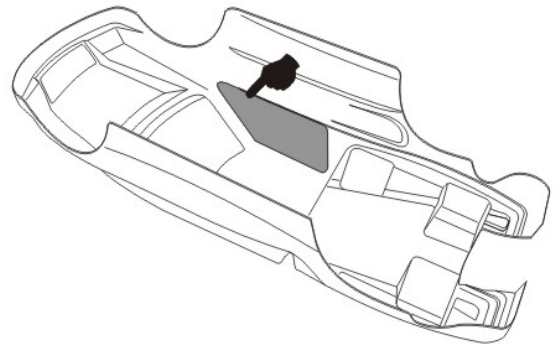
③ Making two holes on the front and one hole on the rear for body posts.  
前車殼支柱 2 孔, 後車殼支柱 1 孔。



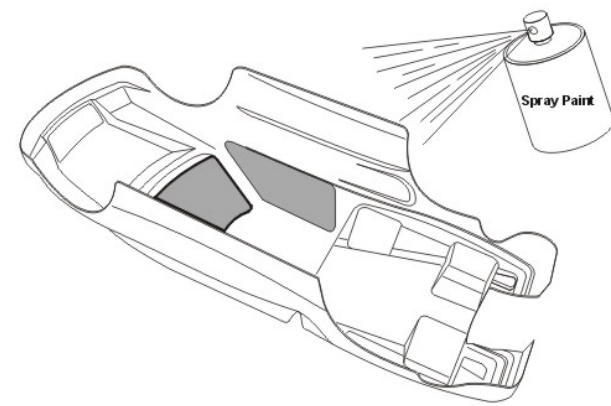
④ Use a neutral detergent to remove any dirt and oil.  
使用清潔劑清洗車殼內面。



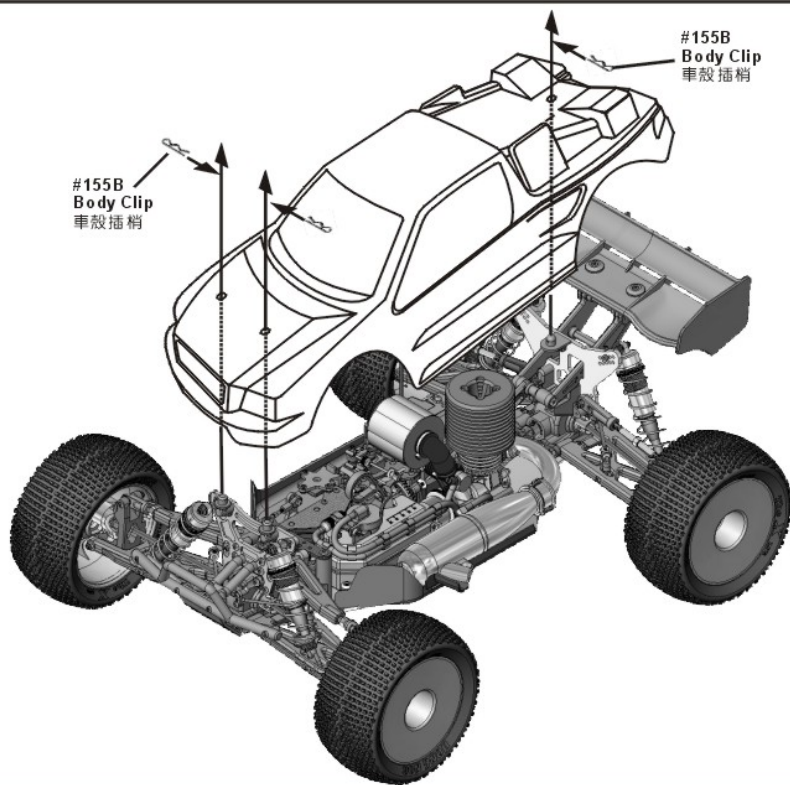
⑤ Mask the windows from the inside with masking tape.  
使用車窗覆蓋紙由內面貼上車窗部份。



⑥ Paint the body with polycarbonate spray paints.  
由內面貼上彩繪貼紙再使用車殼專用噴漆塗裝車殼。







60 STARTING THE ENGINE

起動引擎

How to start the engine:

1. Turn on transmitter and then receiver.
2. Fill fuel tank with fuel bottle.
3. Connect 1.2V glow plug starter.
4. Start engine with a 12V starter or starter box.  
(Note the direction of the starter.)
5. After the engine is started, remove the 1.2V glow plug starter.

1. 先開啟發射機電源,打開接收機電源.
2. 將燃油加入油箱內.
3. 接上1.2V火星塞電夾至火星塞上.
4. 使用12V起動器或起動盒起動引擎.  
(注意起動器旋轉方向)
5. 引擎起動後移開1.2V火星塞電夾.

\* Follow the engine manufacturer instruction manuals regarding engine set-up, carburetor and maintenance.

\* 請依照引擎製造商的說明書以調整及保養引擎。

12V Starter and Starter Ring (Not Included)

12V起動器(不包含在內)



Glow Plug (Not Included)

火星塞(不包含在內)



There are 2 types of glow plug available "NORMAL or Turbo" depending on the type of the engine.

請依使用的引擎選擇普通火星塞或 Turbo火星塞。

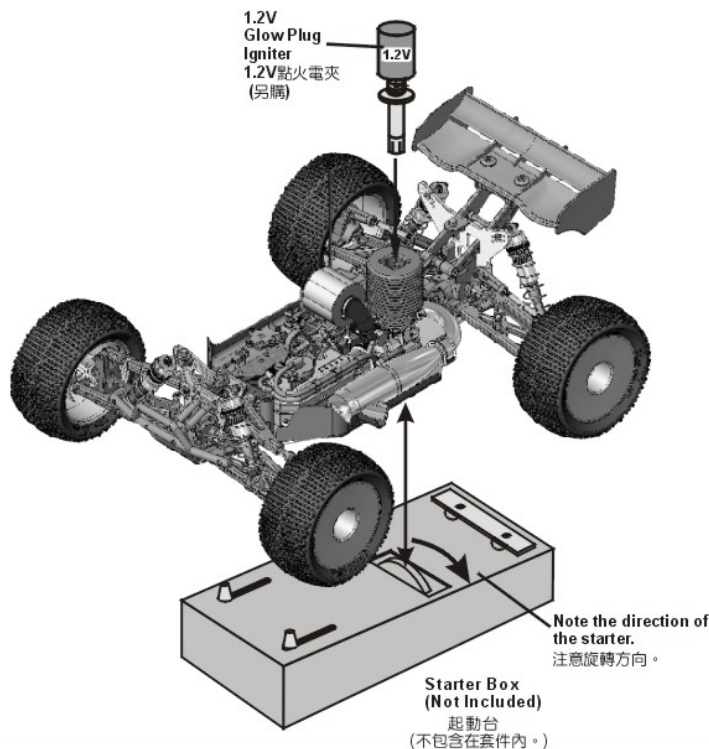
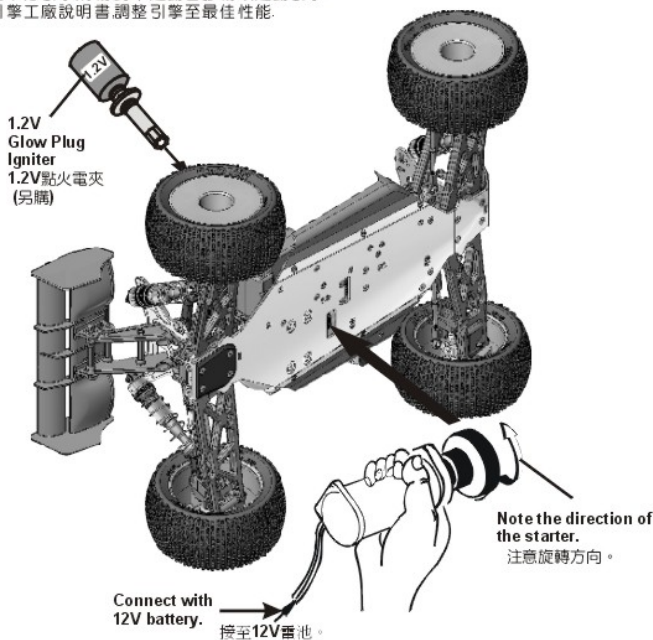
1.2V Glow Plug Igniter (Not Included)

1.2V點火電夾(另購)



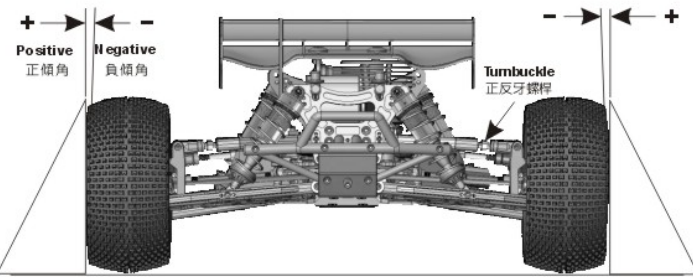
\* To start the car, attach a glow plug igniter to the glow plug, and use either an electric starter or starter box applied to the flywheel exposed through the chassis.

起動引擎請使用動台及火星塞點火電夾,將底盤下方引擎飛輪對準起動台膠輪以起動引擎. 依據引擎工廠說明書調整引擎至最佳性能.



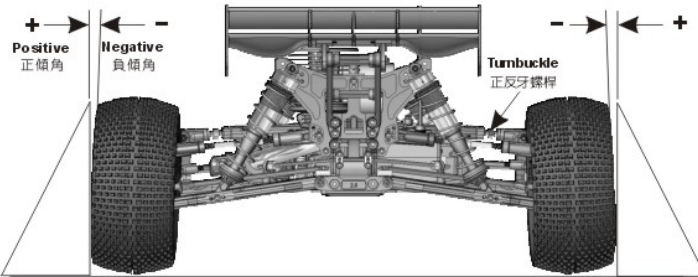
# SETTING GUIDE 輪胎角度設定

## FRONT CAMBER ANGLE SETTING 前胎輪傾角調整



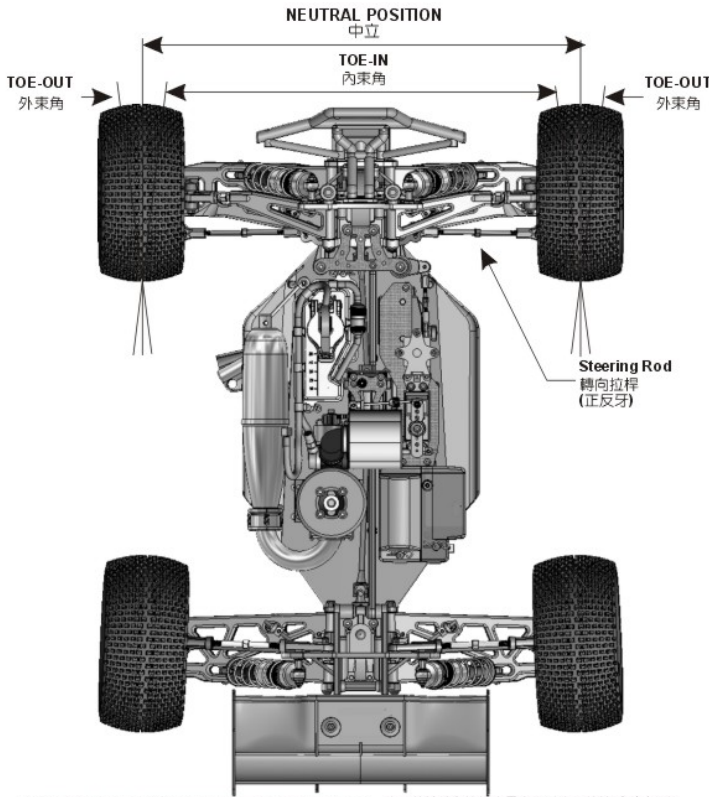
Place the model car on flat surface. Raise the chassis to it's maximum clearance before the wheels leave the ground. Adjust the length of the front and rear upper arms so that the wheels are right angle to the ground. The camber angle adjustment can be moving the turnbuckle rod on the upper arms, clockwise or anti-clockwise. (We suggest use zero degree for the front and 1.5 negative degree for the rear.)

## REAR CAMBER ANGLE SETTING 後胎輪傾角調整



1. 將車體放置在平整桌面上並保持在正確離地高度。調整上擺臂長度使輪胎與地面垂直(0度)。  
2. 調整上擺臂"正反牙螺桿"長度可改變正反傾角設定。加長上擺臂--傾角變為-正傾角。縮短上擺臂--傾角變為-負傾角。(我們建議前輪為0度,後輪為負1.5度。)

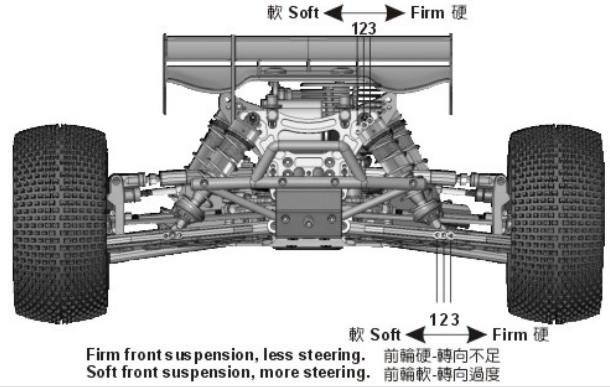
## FRONT TOE-IN AND TOE-OUT SETTING 前輪內束角/外束角 調整



Adjust the length of front steering rod to change the toe angle. 改變前輪轉向拉桿之長度可以改變前輪"內束角"與"外束角"。  
Making the tie rod longer will make the front tires become toe-in. Response will be slower and will over steer. 1. 將前輪轉向拉桿加長, 前輪會變成內束角。此將轉向反應會變慢, 並且有轉向過度情形產生。  
Making the tie rod shorter will make the front tires become toe-out. Response will be quicker and will under steer. 2. 將前輪轉向拉桿變短, 前輪會變成向外束角。此將轉向反應會變快, 並且有轉向不足情形產生。

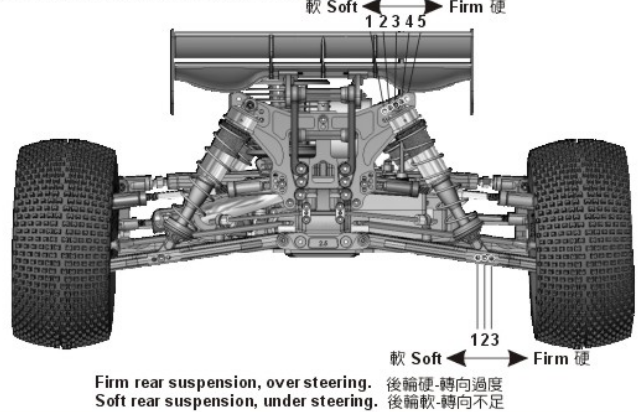
## FRONT SHOCK ANGLE SETTING 前油壓避震器角度調整

前油壓避震器會因安裝在不同位置, 而使懸吊系統產生不同硬軟變化。前油壓避震器裝配位置愈往車體中心, 懸吊反應變軟, 後輪懸吊系統較硬不同, 會產生不同轉向特性。油壓避震器按裝孔位, 請依場地不同而調整在不同位置。



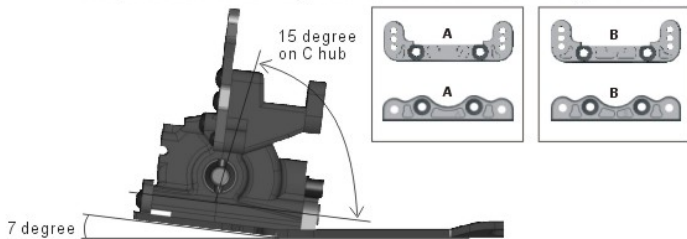
## REAR SHOCK ANGLE SETTING 後油壓避震器角度調整

後油壓避震器會因安裝在不同位置, 而使懸吊系統產生不同硬軟變化。後油壓避震器裝配位置愈往車體中心, 懸吊反應變軟, 後輪懸吊系統較硬不同, 會產生不同捉地力特性。油壓避震器按裝孔位, 請依場地不同而調整在不同位置。



## CASTER ANGLE

Adjust the front caster angle by changing the arm block "A" or "B" on the front lower arms. After you set the caster angle, you will also need to adjust the front upper arm position. The final caster also depends on the kick-up setting. Example: 15 degree caster on C-hub + 7 degree kick-up + "A" lower arm block = 22 degree final caster. 15 degree caster on C-hub + 7 degree kick-up + "B" lower arm block = 20 degree final caster



| Caster angle | Characteristics                                                                                                                          |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Less caster  | Increases off-power steering into a corner.<br>Decreases on-power steering out of and in a corner.<br>Decreases straight-line stability. |
| More caster  | Decreases off-power steering into a corner.<br>Increases on-power steering out of and in a corner.<br>Increases straight-line stability. |

## REAR WHEELBASE



Adjust the wheelbase by using the spacers on either side of the rear uprights (at the bottom pin). IMPOR TANT! Make equal adjustments on both left and right sides of the car.

### Shorter wheelbase

- less spacers in front of the rear upright.
- increases rearward weight transfer during acceleration.
- increases on-power traction.
- quicker off-power steering into corners.
- slight tendency to push on-power at corner exit.
- increases steering response.
- better on tighter, more technical tracks.

### Longer wheelbase

- more spacers in front of the rear upright.
- decreases off-power steering into sharp corners.
- increases stability.
- slower initial steering reaction (off-power).
- improves on-power steering at corner exit.
- better handling over bumps and ruts.
- better on more open tracks with high-speed corners.

# X2-CRT Set-Up Sheet

- |                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| <input type="checkbox"/> open   | <input type="checkbox"/> High   | <input type="checkbox"/> Smooth |
| <input type="checkbox"/> Medium | <input type="checkbox"/> Medium | <input type="checkbox"/> Medium |
| <input type="checkbox"/> Tight  | <input type="checkbox"/> Low    | <input type="checkbox"/> Bumpy  |

Driver: \_\_\_\_\_

Track: \_\_\_\_\_ / \_\_\_\_\_

Air Temp: \_\_\_\_\_ 80F \_\_\_\_\_

## Front Suspension

Shock Spring: \_\_\_\_\_ Blue \_\_\_\_\_

Shock Piston:  Standard  Drilled

Shock Oil wt: \_\_\_\_\_ 50 \_\_\_\_\_

Shock Length  
(Center to Center) \_\_\_\_\_ 105.5mm \_\_\_\_\_

Toe-IN:  \_\_\_\_\_

Toe-Out:  \_\_\_\_\_

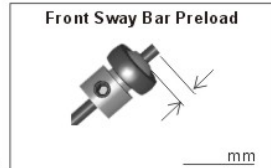
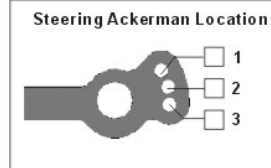
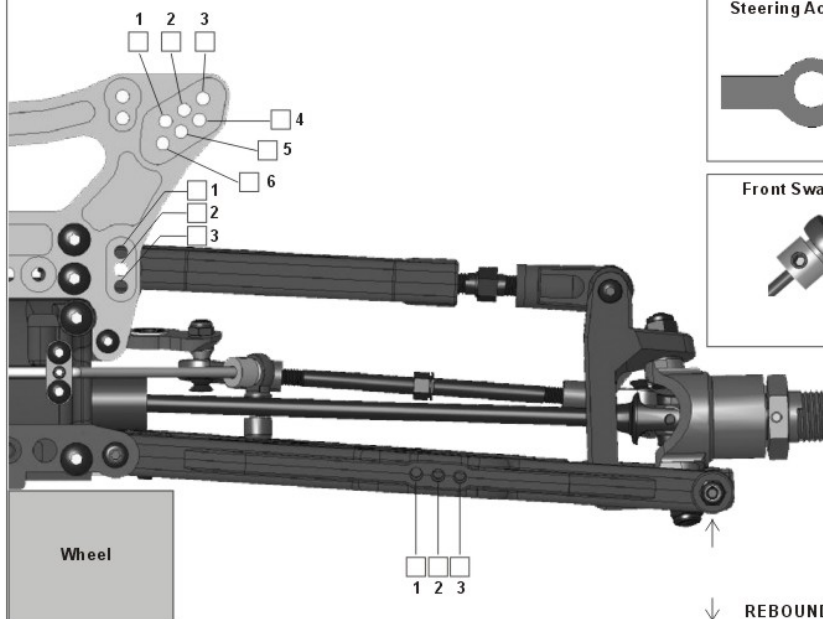
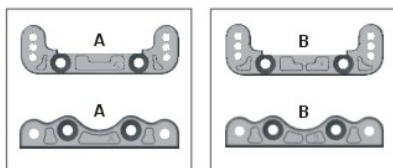
Front Ride Height: \_\_\_\_\_ mm

Sway Bar:  2mm  2.3mm  2.5mm

Camber:  Neg: \_\_\_\_\_

Pos: \_\_\_\_\_

Caster Block:  A/A  B/B



Notes: \_\_\_\_\_  
\_\_\_\_\_

## Rear Suspension

Shock Spring: \_\_\_\_\_ Blue \_\_\_\_\_

Shock Piston:  Standard  Drilled

Shock Oil wt: \_\_\_\_\_ 50 \_\_\_\_\_

Shock Length  
(Center to Center) \_\_\_\_\_ 123.5mm \_\_\_\_\_

Rear Ride Height: \_\_\_\_\_ mm

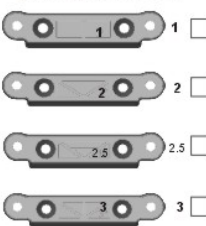
Sway Bar:  2.3mm  2.5mm  2.8mm  
 \_\_\_\_\_  None

Camber:  Neg: \_\_\_\_\_

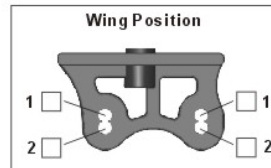
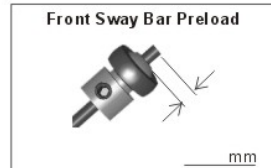
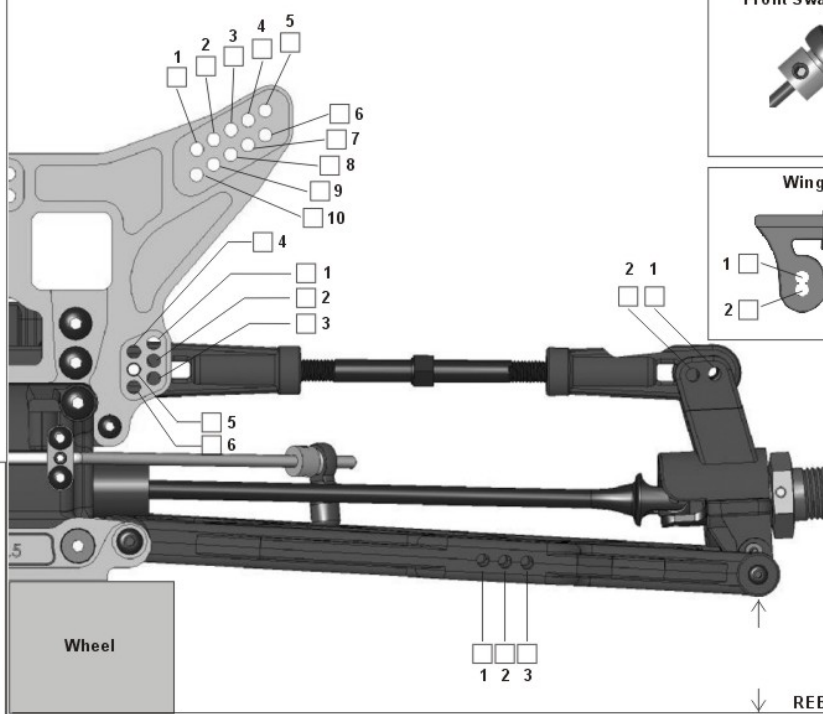
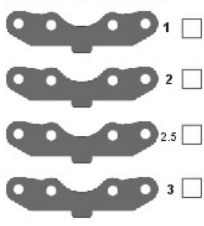
Pos: \_\_\_\_\_

Rear Hub/Wheelbase:  Forward  Middle  
 Back

Rear Toe-In Plate



Anti-Squat Plate



REBOUND STOP

## Differential

Front Type:  STD  Torsen Oil \_\_\_\_\_ K

Center Type:  STD  Torsen Oil \_\_\_\_\_ K

Rear Type:  STD  Torsen Oil \_\_\_\_\_ K

## Tires

Front Type: \_\_\_\_\_ Compound \_\_\_\_\_ STD \_\_\_\_\_ Foam: \_\_\_\_\_ STD STIFF \_\_\_\_\_

Rear Type: \_\_\_\_\_ Compound \_\_\_\_\_ STD \_\_\_\_\_ Foam: \_\_\_\_\_ STD STIFF \_\_\_\_\_

Note: \_\_\_\_\_

## Engine

Type: \_\_\_\_\_

Head Clearance \_\_\_\_\_ .025" Port: \_\_\_\_\_

Pipe: \_\_\_\_\_

Fuel: \_\_\_\_\_ %

Plug \_\_\_\_\_  Turbo  Normal

## CLUTCH

Shoe Brand: \_\_\_\_\_ Compound: \_\_\_\_\_  ALUM:  Blue  Red

Spring Brand: \_\_\_\_\_ Tension: \_\_\_\_\_ SILVER HVY 1mm \_\_\_\_\_

Gearing: \_\_\_\_\_ 13T \_\_\_\_\_ 14T TO \_\_\_\_\_ 46T \_\_\_\_\_ 48T

Note: \_\_\_\_\_

Clutch Shoes:

- 2 Shoes
- 3 Shoes
- 4 Shoes

X2-Truggy PRO 零件表

| 編號      | 品名                        | 數量    | 編號      | 品名                 | 數量   |
|---------|---------------------------|-------|---------|--------------------|------|
| A-17A   | 剎車桿                       | 2     | X1S-26  | 鋁合金下擺臂固定座 (B)      | 1    |
| A-17B   | 剎車拉桿                      | 2     | X1S-39  | 輕量差速接杯             | 2    |
| A-34B   | 平衡桿鐵球                     | 2     | X1S-45  | 輕量煞車接杯             | 2    |
| A-40A   | 轉向塑膠球頭                    | 6     | X1S-52C | 剎車凸軸, 長            | 1    |
| A-41A   | 6mm球型                     | 6     | X1S-52D | 剎車凸軸, 短            | 1    |
| A-47A   | 5x10培林                    | 2     | X1S-55A | 新式緩衝組塑膠模           | 1    |
| A-53A   | 油門彈簧                      | 2     | XT-05H  | 4mm前下補強板 7075硬陽    | 1    |
| A-56    | 天線管                       | 1     | XT-06H  | 4mm後下補強板 7075硬陽    | 1    |
| A-77G   | 4x10x0.15 墊片              | 4     | XT-08   | 聯結式傳動軸 (前/後)       | 2    |
| A-80A   | 鋁調整螺帽                     | 1     | XT-11   | 4x80 正反牙拉桿         | 2    |
| A-80B   | 剎車塑膠模                     | 1     | XT-12   | 5x80 正反牙拉桿         | 2    |
| B-25    | 中卡胎內海棉                    | 2     | XT-16   | 玻璃纖維剎車碟            | 2    |
| B-36    | 1/8 "3.7" 貨卡框 1/2 off-set | 4     | XT-17   | 前上擺臂模              | 1模   |
| B-37    | 1/8 The X貨卡胎 LPR Series   | 2     | XT-18   | 前,後下擺臂模            | 2模   |
| C-27    | 伺服機固定座(平躺式)               | 1組    | XT-19   | X1-Truggy 防撞板      | 1組   |
| E-37    | 6mm球型座                    | 6     | XT-22   | 避震器塑膠件             | 1模   |
| E-41    | 1/10 R型插梢                 | 10    | XT-26   | 蝸型大傘齒 45t          | 1    |
| G-06    | 剎車夾片                      | 4     | XT-27   | 蝸型小傘齒 10t          | 1    |
| G-09    | 7mm擺臂外端塑膠球頭               | 6     | XT-28   | X2 CRT 防塵板 R.L     | 1模   |
| G-10    | 7mm轉向拉桿塑膠球頭               | 8     | XT-29   | 中央前後補強桿塑膠模         | 1模   |
| G-25    | 7mm球形                     | 6     | XT-30   | 車殼柱/底盤護板/油箱柱       | 1模   |
| G-26    | 5x35mm正反牙                 | 2     | XT-31   | 中差座塑膠模             | 1模   |
| J-03A   | P60環(橘色)                  | 2     | XT-32   | X2 CRT 油箱          | 1    |
| J-03B   | 2.5x13.8mm滾針              | 2     | XT-33   | X2-Truggy 車殼(透明)   | 1    |
| J-03C   | 差速器防漏墊片                   | 3     | XT-34   | X2 CRT 螺絲包         | 1set |
| J-20    | 13x16x0.2mm差速器墊片          | 4     | XT-35   | X2 CRT緩衝組彈簧        | 1    |
| J-30H   | 緩衝組調整環(硬陽)                | 1     | XTS-02  | 7075 CNC 4mm前油壓架   | 1    |
| J-33    | 緩衝組六角螺絲                   | 2     | XTS-03  | 7075 CNC 4mm後油壓架   | 1    |
| J-34    | 7mm圓球(黑)                  | 4     | XTS-12  | X2 CRT 7075 CNC 底盤 | 1    |
| J-35    | 3mm錐形墊片                   | 4     | XTS-13  | X2 CRT 一字形底盤補強桿    | 1    |
| J-45-BR | 排氣管固定鋁座(咖啡色)              | 1     | XTS-15  | X2 CRT聯結式中央傳動軸(前後) | 1set |
| J-46    | 2001排氣管固定桿                | 1     | XTS-16  | X2 CRT 碳纖二樓板       | 1    |
| J-47D   | 避震器防塵套                    | 4     | XTS-17  | 碳纖中差板              | 1    |
| J-47F   | M2.5尼龍帽                   | 4     | #106    | 離合器罩(13T)          | 1    |
| J-47G   | 10x1mm O環                 | 4     | #112B   | 黑色墊片               | 8    |
| JS-06B  | 4x8 凸培林                   | 2     | #139    | 彎管彈簧               | 1    |
| JS-14B  | 6x10 培林                   | 4     | #150-BK | 開關防塵套(黑)           | 1    |
| L-26    | 3x36 正反牙                  | 2     | #155B   | R型插梢(短)            | 4    |
| M-35    | 輪胎拆除扳手                    | 1     | #158    | 鋁輪檔                | 6    |
| PI-801C | 彈簧                        | 3     | #159-BK | 油管(黑色)             | 1    |
| PI-801D | 排氣接嘴                      | 2     | #174C-G | 三片離合器彈簧 1.1mm      | 3    |
| PI-806B | 一體式U型彎管                   | 1     | #180D   | 中心螺帽(SG軸)          | 1    |
| PI-808A | 一體式排氣管 2027               | 1     | #195    | 5mm內六角引擎座螺絲        | 4    |
| X1-07H  | 緩衝組連接板(硬陽)                | 1     | #254-BR | 濾油囁(咖啡色)           | 1    |
| X1-10H  | 緩衝組鋁管(硬陽)                 | 1     | #264B   | 7mm 飛輪銅套           | 1    |
| X1-11   | 緩衝組支柱                     | 2     | #267D   | 8x16培林             | 8    |
| X1-13   | 鋁差速齒(20tx2,10tx4)         | 1組    | #267E   | 2.5x16.8mm滾針       | 4    |
| X1-18   | 48T大直齒                    | 1     | #277A   | 5x8 凸培林            | 2    |
| X1-26   | 17mm六角輪座                  | 2     | #312-BK | 伺服片(黑色)            | 1    |
| X1-26A  | 17mm六角螺帽                  | 2     | #315A   | 避震器軸心(前)           | 2    |
| X1-27   | 轉向襯套                      | 4     | #316A   | 避震器軸心(後)           | 2    |
| X1-28   | 大王梢螺絲                     | 4     | #356    | 空氣濾清器              | 1    |
| X1-33   | 差速箱前後蓋                    | 1     | #356A   | 濾清器海綿              | 2    |
| X1-34   | 擺臂固定座模                    | 1模    | #356B   | 濾清器彎管              | 1    |
| X1-36   | C型座 L.R                   | 1模    | #363    | 4mm鋁合金差速器十字軸       | 6    |
| X1-38   | 差速殼                       | 1     | #364-BR | 天線管固定螺帽(咖啡色)       | 1    |
| X1-40   | 後輪座/後上臂/防撞板               | 1模    | #371    | 三片式鋁合金離合器片(銀色)     | 3    |
| X1-41   | 防水盒塑膠模                    | 1模    | #373-BK | 油箱拉環, 黑            | 1    |
| X1-42   | 定風翼架塑膠模                   | 1模    | #374    | 3x20mm 反牙螺絲        | 4    |
| X1-48   | 特殊M3尼龍帽                   | 2     | #380    | 1/8 高下壓力定風翼        | 1    |
| X1-49   | 排氣管固定桿                    | 1     | #387A   | 16mm外牙筒身(短)        | 2    |
| X1S-05  | 碳纖三角板                     | 1     | #387B   | 16mm外牙筒身(長)        | 2    |
| X1S-07  | CNC 轉向座-L.R(硬陽)           | 1 set | #387C   | 16mm避震器上蓋(硬陽)      | 4    |
| X1S-10  | 35mm 3片式飛輪                | 1     | #387D   | 16mm避震器調整環(硬陽)     | 4    |
| X1S-11  | 底重心引擎座                    | 2     | #387F   | 19x1.5mm O環        | 4    |
| X1S-12  | CNC 後Toe-in板-2.5°         | 1     | #387G   | 彈簧止座塑膠模            | 1set |
| X1S-19A | 特殊鋼材擺臂軸3mm(短)             | 4     | #387H   | 3x28mm有頭內六角        | 4    |
| X1S-19B | 特殊鋼材擺臂軸3mm(長)             | 4     | #387I   | 避震器上支座(加長型)        | 4    |
| X1S-19C | 特殊鋼材擺臂軸4mm                | 4     | #387P   | 16mm避震器活塞          | 8    |
| X1S-20B | 前平衡桿2.5mm                 | 1     | #387S   | 16mm避震器修理包         | 1set |
| X1S-21B | 後平衡桿2.8mm                 | 1     | #388    | 16mm避震器用氣室 桔色      | 4    |
| X1S-22  | 防水盒防震海綿                   | 1set  | #390A   | 16mm避震器彈簧(灰色)硬     | 4    |

**X2-Truggy PRO Part List**

| Part No. | Description                                | Q'TY  | Part No. | Description                            | Q'TY      |
|----------|--------------------------------------------|-------|----------|----------------------------------------|-----------|
| A-17A    | Brake Lever                                | 2     | X1S-39   | Diff. Cap Joint (Lightweight)          | 2         |
| A-17B    | Brake Rod                                  | 2     | X1S-45   | Brake Cap Joint (Lightweight)          | 2         |
| A-34B    | Stabilizer Ball End                        | 2     | X1S-52C  | CNC Brake Cam (Long)                   | 1         |
| A-40A    | 6mm Ball End (Plastic)                     | 6     | X1S-52D  | CNC Brake Cam (Short)                  | 1         |
| A-41A    | 6mm Ball (Steel/Chrome)                    | 6     | X1S-55A  | Servo Saver Plastic Parts              | 1         |
| A-47A    | 5x10x4 Ball Bearing                        | 2     | XT-05H   | 4mm Alum. Front Lower Arm Holder       | 1         |
| A-53A    | Throttle Spring                            | 2     | XT-06H   | 4mm Alum. Rear Lower Arm Holder        | 1         |
| A-56     | Antenna Pipe                               | 1     | XT-08    | Universal Joint (Front or Rear)        | 2         |
| A-77G    | 4x10x0.2 Washer                            | 4     | XT-11    | Turnbuckle 4x80mm                      | 2         |
| A-80A    | 2mm Brake Adjust Nut                       | 1     | XT-12    | Turnbuckle 5x80mm                      | 2         |
| A-80B    | Throttle Linkage Plastic Parts             | 1     | XT-16    | Brake Disk (Fiber-Glass Type)          | 2         |
| B-25     | Truck Inner Sponge / TRX Size              | 2 pcs | XT-17    | Front Upper Arms                       | 1         |
| B-36W    | 1/8 Truggy Wheel, 3.7" LPR Type (White)    | 4 pcs | XT-18    | Lower Arms (F/R)                       | 2         |
| B-37     | 1/8 Truggy Tire, "The X", LPR Type         | 2 pcs | XT-19    | Truggy Bumper                          | 1         |
| C-27     | Servo Mount (Lay-down Type)                | 1     | XT-22    | Plastic Parts for Shocks               | 1         |
| E-37     | 6mm Ball & Socket (Steel/Chrome)           | 6     | XT-26    | Spiral Bevel Gear 45T                  | 1         |
| E-41     | Body Clip (Small)                          | 10    | XT-27    | Spiral Bevel Gear 10T                  | 1         |
| G-06     | Brake Pad                                  | 4     | XT-28    | X2-CRT Stone Gurad,(R&L)               | 1         |
| G-09     | Front Upper Arm Ball End, 7mm              | 6     | XT-29    | X2-CRT Plastic Chassis Brace           | 1set      |
| G-10     | Steering Ball End, 7mm                     | 8     | XT-30    | Body Post/Skid Plate/Tank Post         | 1set      |
| G-25     | 7mm Ball for G-09 (Steel/Chrome)           | 6     | XT-31    | Plastic Center Diff. Mount             | 1set      |
| G-26     | 5x35 Turnbuckle                            | 2     | XT-32    | X2-CRT Fuel Tank                       | 1         |
| J-03A    | P-6 O-Ring                                 | 2     | XT-33    | X2-CRT Body (Clear)                    | 1         |
| J-03B    | 2.5x13.8 pin                               | 2     | XT-34    | X2-CRT Screw Bag                       | 1set      |
| J-03C    | Diff. Gasket                               | 3     | XT-35    | New Servo Saver Spring(Hard/Crome)     | 1         |
| J-20     | 13x16x0.2mm Shim                           | 4     | XTS-02   | CNC 7075 4mm Front Shock Stay          | 1         |
| J-30H    | Servo Saver Spring Tension Adjuster        | 1     | XTS-03   | CNC 7075 4mm Rear Shock Stay           | 1         |
| J-33     | Servo Saver Connecting Plate Hex Screw     | 2     | XTS-12   | X2-CRT Chassis, CNC 7075               | 1         |
| J-34     | 7mm Ball for G-10 (Black)                  | 4     | XTS-13   | CNC 7075 I-Bar Type Center Brace       | 1         |
| J-35     | Alum. 3mm Taper Washer                     | 4     | XTS-15   | X2-CRT Center Universal Joint (F&R)    | 1set      |
| J-45-BR  | Muffler Stay Post (Hard-Coated)            | 1     | XTS-16   | X2-CRT Graphite Radio Tray             | 1         |
| J-46     | Muffler Stay                               | 1     | XTS-17   | X2-CRT Graphite Center Diff. Mount Pla | 1         |
| J-47D    | Shock Shaft Dust Boot                      | 4     | #106     | Clutch Bell 13T                        | 1         |
| J-47F    | M2.5 Nylon Nut                             | 4     | #112B    | 3x6.4x1mm Washer (black)               | 8         |
| J-47G    | 10x1mm O-Ring                              | 4     | #139     | Manifold Spring (Long)                 | 2         |
| JS-06B   | 4x8x3 Flange Ball Bearing                  | 2     | #150-BK  | Switch Cover                           | 1         |
| JS-14B   | 6x10x3 Ball Bearing                        | 4     | #155B    | Body Clip (Large)                      | 1set      |
| L-26     | 3x36mm Turnbuckle                          | 2     | #158     | Alum. Stopper                          | 6 pcs     |
| M-35     | 17mm Wheel Wrench (Long Type)              | 1     | #159-BK  | Fuel Tube (45cm)                       | 1         |
| PI-801C  | 1/8 Manifold Spring (Small)                | 3     | #174C-G  | Clutch Springs (Gold)                  | 3 pcs     |
| PI-801D  | 1/8 Manifold Seal (Silicone/Purple)        | 2     | #180D    | Pilot Shaft, SG Type                   | 1         |
| PI-806B  | 1/8 In-Line Manifold                       | 1 set | #195     | Engine Mount Screw (5mm)               | 4         |
| PI-808A  | 1/8 EFRA-2027 Tuned-Pipe, HN Logo          | 1 set | #254-BR  | Fuel Filter (Hard-Coated)              | 1 pc      |
| X1-07H   | Servo Saver Connecting Plate (Hard-Coated) | 1     | #264B    | Taper Cone 7mm (Brass Type)            | 1         |
| X1-10H   | Servo Saver Tube, Alum. (Hard-Coated)      | 1     | #267D    | 8x16x4 Ball Bearing                    | 8         |
| X1-11    | Servo Saver Post                           | 2     | #267E    | 2.5x16.8 Pin                           | 4         |
| X1-13    | Diff. Gear (small x 4 & large x 2 )        | 1set  | #277A    | 5x8x2.5 Flange Ball Bearing            | 2         |
| X1-18    | Steel Spur Gear 48T                        | 1     | #312-BK  | Universal Servo Horn                   | 1 set     |
| X1-26    | 17mm Alum. Wheel Hub                       | 2     | #315A    | Shock Shaft (Short/Front)              | 2         |
| X1-26A   | 17mm Wheel Nut                             | 2     | #316A    | Shock Shaft (Long/Rear)                | 2         |
| X1-27    | Knuckle Arm Bushing                        | 4     | #356     | Air Filter                             | 1         |
| X1-28    | King Pin Screw                             | 4     | #356A    | Air Filter Foam                        | 2         |
| X1-33    | Gear Case                                  | 1     | #356B    | Air Filter Connector                   | 1         |
| X1-34    | Plastic Arm Holders Set                    | 1set  | #363     | Alum. Cross Pin,4mm (Hard-Coated)      | 6         |
| X1-36    | Front C Hub                                | 1set  | #364-BR  | Antenna Pipe Fixing Nut (Hard-Coated)  | 1         |
| X1-38    | Diff. Case (F/R)                           | 1     | #371     | CNC Alum. Clutch Shoes (Silver)        | 3         |
| X1-40    | Rear Wheel Hub                             | 1set  | #373-BK  | Fuel Tank Lid Opner (Black)            | 1         |
| X1-41    | Receiver Box                               | 1set  | #374     | 3x20 Left Hands Threaded               | 4         |
| X1-42    | Wing Stay                                  | 1set  | #380W    | 1/8 High Force Wing, White             | 1         |
| X1-48    | M3 Nylon (Thin Type)                       | 2     | #387     | 16mm Big Bore Shock Set (F x 2 & R x2) | 1 set     |
| X1S-05   | Graphite Front Plate                       | 1     | #387A    | 16mm Front Shock Body                  | pair      |
| X1S-07   | CNC 7075 Front Knuckle Arm(Hard-Coated)    | 1set  | #387B    | 16mm Rear Shock Body                   | pair      |
| X1S-10   | 3 pin Flywheel, 35mm                       | 1     | #387C    | 16mm shock Cap                         | 4         |
| X1S-11   | Lower Engine Mount                         | 2     | #387D    | 16mm Shock Spring Adjuster             | 4         |
| X1S-12   | CNC Rear Toe-in Block 2.5°                 | 1     | #387F    | 19 x 1.5mm O-Ring                      | 4         |
| X1S-19A  | SPL Arms Shaft, Front, 3mm (Short)         | 4     | #387G    | Plastic Shock Spring Holder            | 1set      |
| X1S-19B  | SPL Arms Shaft, Rear-Lower, 3mm (Long)     | 4     | #387H    | 3 x 28mm Cap Screw                     | 4         |
| X1S-19C  | SPL Arms Shaft, Rear, 4mm                  | 4     | #387I    | Shock Ball End Post (long)             | 4         |
| X1S-20B  | Front Stabilizer 2.5mm                     | 1     | #387P    | 16mm Shock Piston                      | 8         |
| X1S-21B  | Rear Stabilizer 2.8mm                      | 1     | #387S    | Repair Kit for #387                    | 1set      |
| X1S-22   | Protect Foam for Receiver Box              | 1set  | #388     | 16mm Pressure Top (Orange)             | 4         |
| X1S-26   | CNC Front Lower Arm Holder (B Type)        | 1     | #390A    | 16mm Shock Spring (Soft /Grey)         | 1set/4pcs |

# HONG NOR

**QUALITY RIC MODEL PRODUCTS**



[www.hongnor.com.tw](http://www.hongnor.com.tw)

鴻諾企業有限公司

HONG NOR ENTERPRISE CO.,LTD.

5F NO.181-2, CHUNG HSING ROAD,

HSICHIH CITY, TAIPEI HSIEN,

TAIWAN, R.O.C.

TEL: 886 2-2694-0345

FAX: 886 2-2694-1632