

# XICRT

## READY-TO-RIP

HIGH PERFORMANCE 1/8 SCALE NITRO POWERED OFF-ROAD TRUGGY



**4WD**

### INSTRUCTION MANUAL 組合說明書 (RTR版)



R.O.A.R. Unlimited Monster Truck National Champion

- Front lay-down steering servo for a lower CG.
- Long suspension geometry designed specifically to maximize performance.
- Spring steel universal joint (Front)
- Adjustable Ackerman steering geometry design.
- 2.5 degree 4mm rear anti-squat plate.
- Servo saver connecting plate (Hard-Coated).
- Front kick up angle adjustable from 20 to 22 degrees.
- New design threaded type 13mm big bore shocks with 3.5mm shaft (F/R).
- New 3mm thick fiber glass brake discs (F/R).
- Servo saver alum. tube (Hard-Coated)

- Front and rear camber using strong steel turnbuckles.
- Front and Rear camber can be fine tuned to suit your track conditions.
- 2.5mm anti-roll bar in front and 2.8mm in rear,
- New design light-weight dish wheels with 17mm hex.
- Secure transponder mount system.
- New design fuzzy monster tires. (Tmaxx Size)
- Drive gear ratio is optimized for .21 and .28 size race engines.
- 150CC fuel tank for longer runtime.
- High flow 2 stage air filter for maximum engine protection and increased engine performance.
- PL-80 1.053 Polished 3 chamber In-Line pipe set.

#### 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  
YOU UNDER 16 YEARS.  
● MODEL PAINTING IS SPECIFIED  
IN THIS KIT.  
● PAINT IS NOT INCLUDED.  
● SOME KIT TYPES MAY OR MAY  
NOT INCLUDE D.21 ENGINE.

#### 需另購物件

- \* 2動作遙控器與電子設備
- \* 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。  
(不適合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

Racing

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

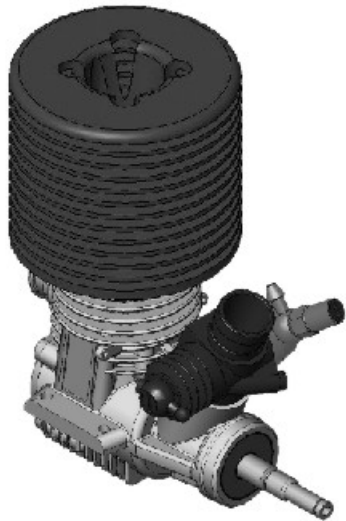
5F NO. 181-2, CHUNG HSING ROAD,  
HSICHIH CITY, TAIPEI HSIEN,

TAIWAN, R.O.C.  
TEL: 886 2-2694-0345  
FAX: 886 2-2694-1632  
www.hongnor.com

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 PRO TO TYPE AND VERY SLIGHTLY FROM M.T. SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

THINGS NEED BESIDES THE KIT

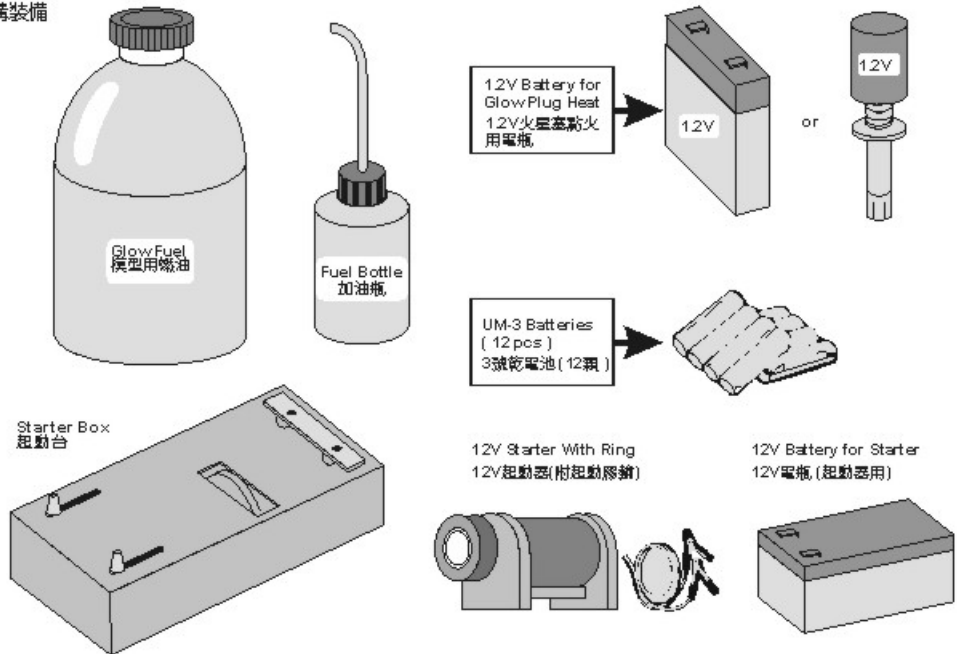
Note: The engine may not include in kit.  
引擎可能不包含在套件內



REAR EXHAUST 21 CLASS (3.5 cc) ENGINE

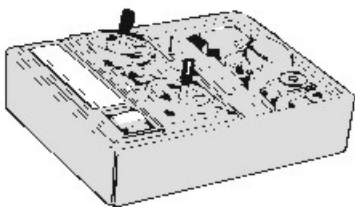
有關引擎使用及調整方式，請參閱引擎工廠之手冊。

另購裝備



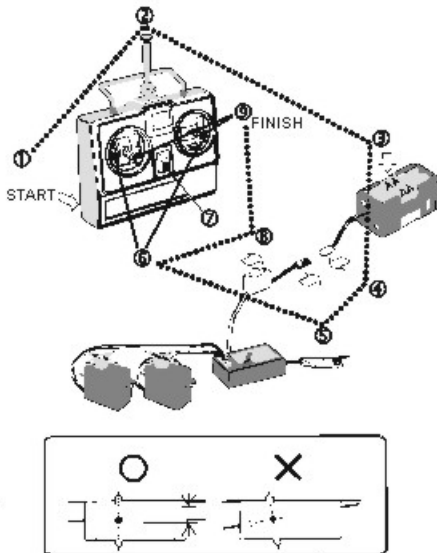
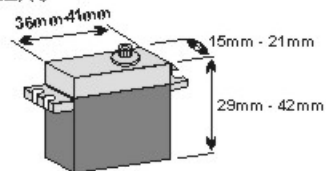
RADIO CONTROL UNIT 另購裝備

2動作遙控器組



Careful 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.

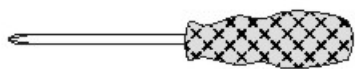
SEQUENCE TO SET NEUTRAL

遙控在組合前必須需要設立中立點

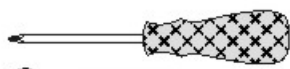
- |  |  |
|--|--|
| ① Install UM-3 batteries.  | 裝入3號乾電池(發射機用)                              |
| ② Extend the antenna.(Transmitter)   | 拉出天線                                       |
| ③ Install batteries.   | 裝入3號乾電池盒(接收機用)                             |
| ④ After installing the battery, connect the battery 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.<br>(Adjustment can be made by re-installing the servo horn.) | 當操作桿位於中立點時，伺服器必須在中央位置。<br>(拆下伺服器可做調整中央位置。) |
| ⑪ Turn off the switch.(Receiver)   | 關閉接收機電源                                    |
| 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 KIT

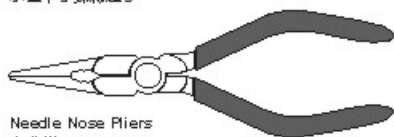
需使用之工具



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



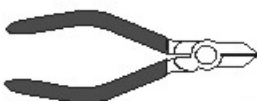
Phillips Type Screw Drivers ( S )  
小型十字螺絲起子



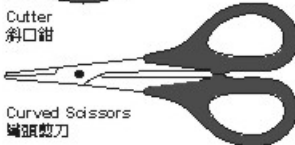
Needle Nose Pliers  
尖嘴鉗



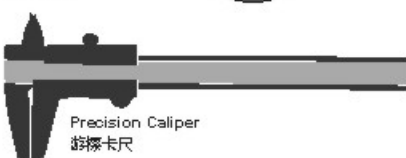
Knife  
美工刀



Cutter  
斜口鉗



Curved Scissors  
彎頭剪刀



Precision Caliper  
游標卡尺



Brush  
毛刷



Cross Wrench  
六角起子



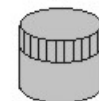
Instant Cement  
3秒瞬間膠水



Masking Tape  
紙膠帶



Paints  
模型用油漆



INCLUDED WITH KIT

套件內裝備



1.5mm Allen Wrench  
1.5mm 內六角扳手



2mm Allen Wrench  
2mm 內六角扳手

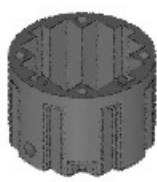


2.5mm Allen Wrench  
2.5mm 內六角扳手



4mm/5mm Allen Wrench  
4mm/5mm 六角扳手

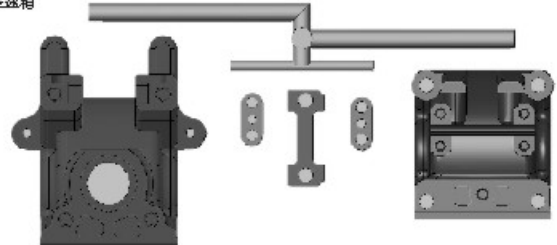
X1-38  
DIFF. CASE  
差速器殼



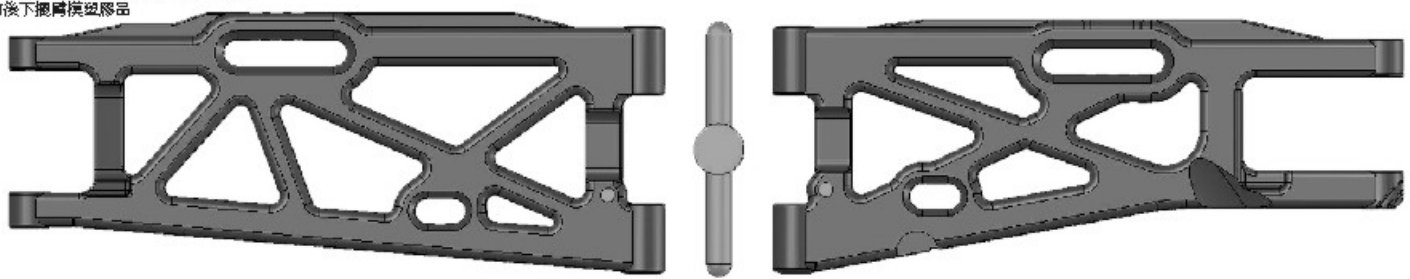
X1-36  
FRONT C HUB  
C型座



X1-33  
FRONT AND REAR GEAR BOX  
差速箱



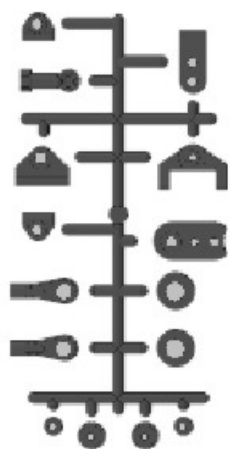
X1-35  
FRONT AND REAR LOWER ARM  
前後下擺臂模塑膠品



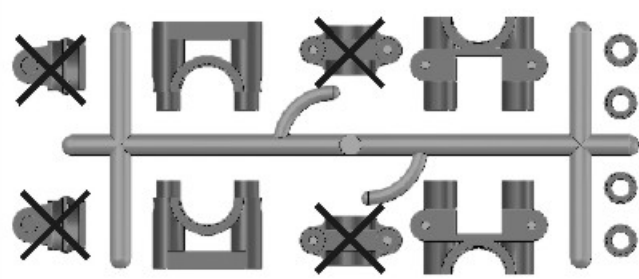
XT-17  
FRONT UPPER ARM  
前上擺臂塑膠品



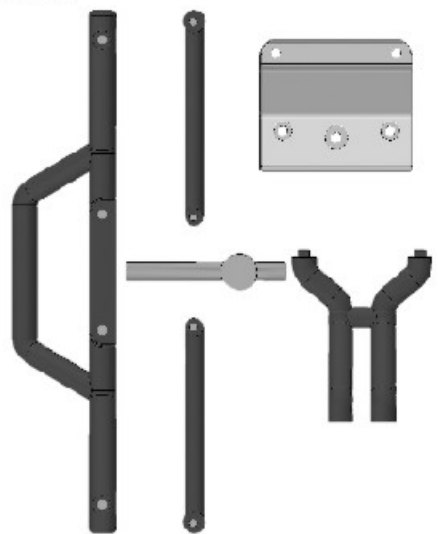
A-80B  
Throttle Linkage Plastic  
油門拉桿塑膠品



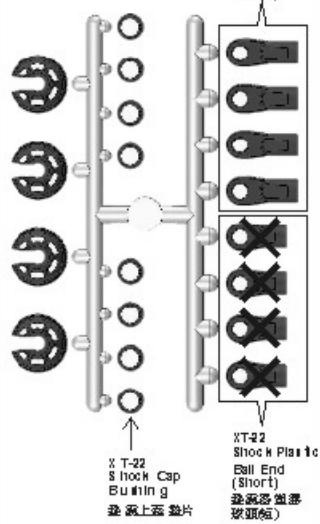
J-36  
CENTER DIFF. MOUNT PLASTIC PARTS  
中差座塑膠品



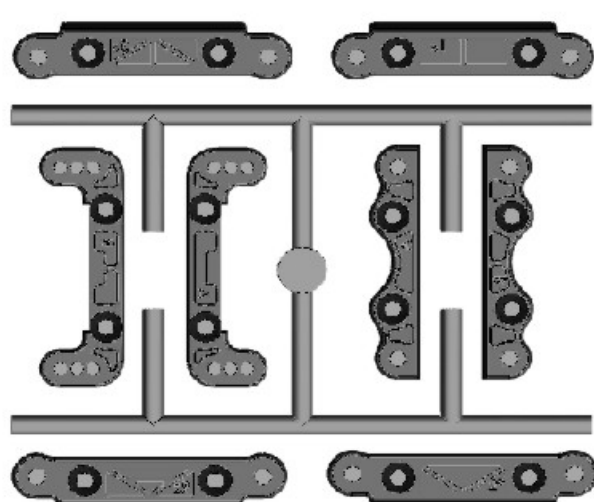
XT-19  
BUMPER  
防撞器塑膠品



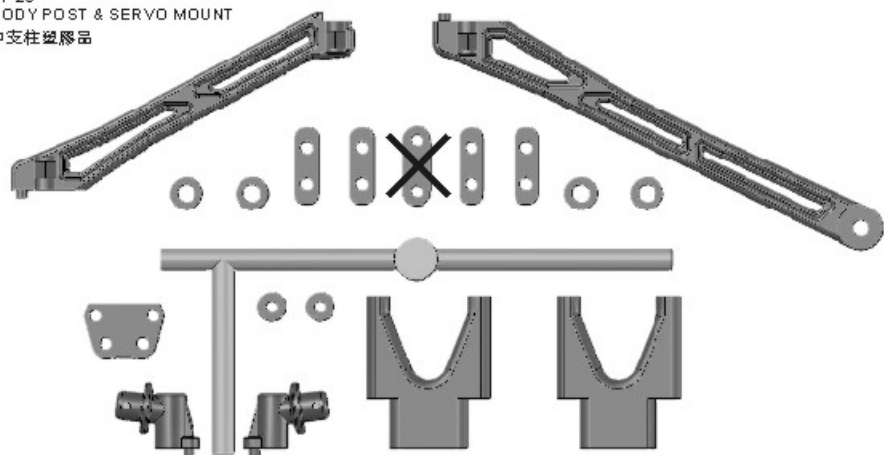
XT-22  
SHOCK PLASTIC PARTS  
避震器塑膠品



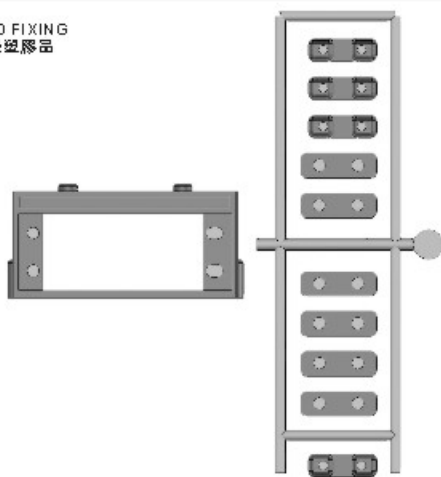
X1-34  
ARM HOLDER  
擺臂固定座塑膠品



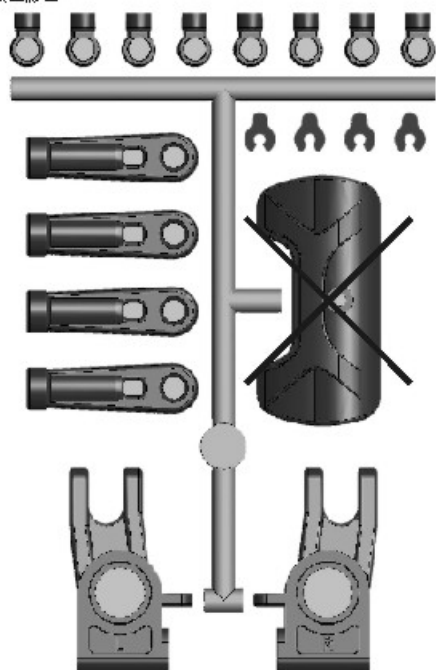
X1-20  
BODY POST & SERVO MOUNT  
中支柱塑膠品



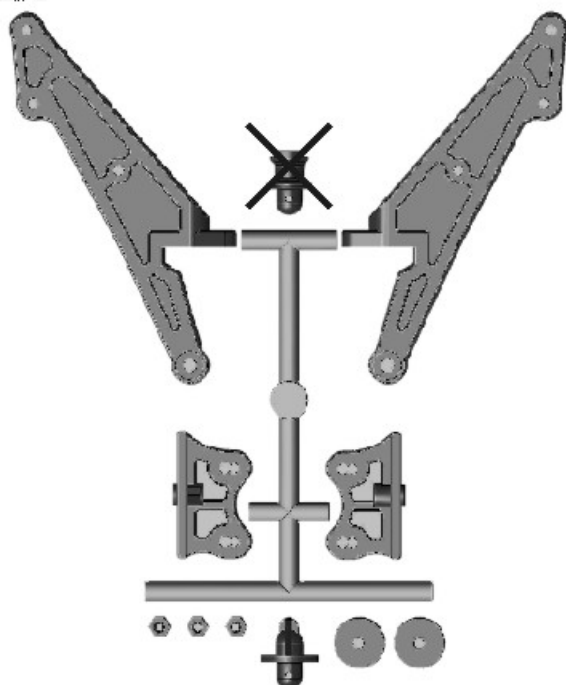
C-27  
SERVO FIXING  
伺服機塑膠品



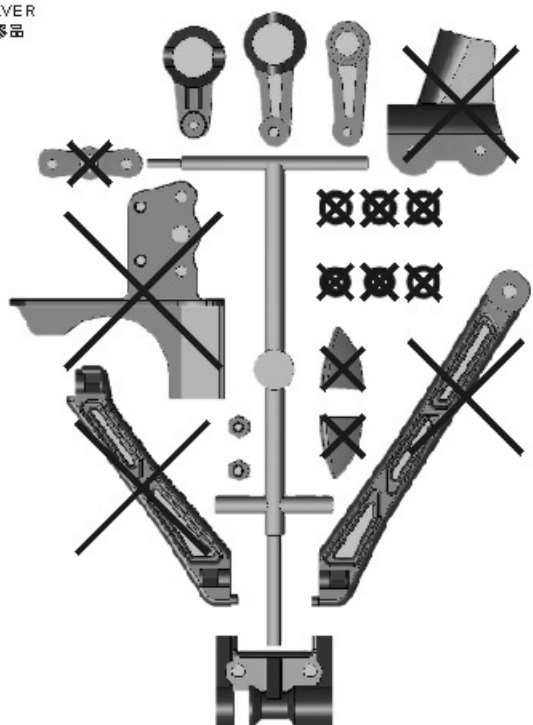
X1-40  
REAR UPPER RIGHT/FRONT BUMPER  
後上撞桿及防撞板塑膠品



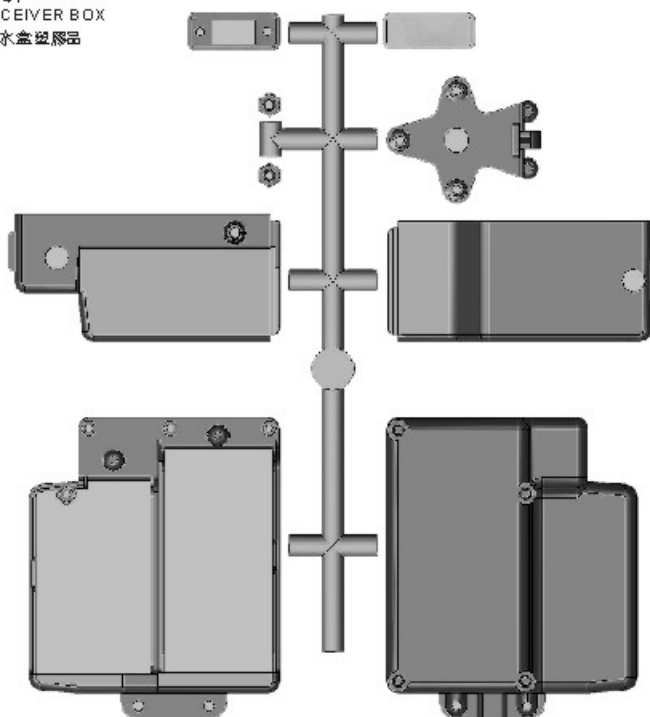
X1-42  
WIN STAY  
定風翼塑膠品



X1-39  
SERVO SAVER  
緩衝組塑膠品



X1-41  
RECEIVER BOX  
防水盒塑膠品





# 重要！操作前請先閱讀

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，請遵守以下幾點。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碾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 RUNAWAY 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!**

# OPERATING YOUR MODEL SAFELY 安全的操作說明

## 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的，因此很容易會造成人員受傷或財產損失，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 tight.

確認所有的螺絲是否已全部鎖緊。

If the model begins to operate by itself, there is 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，以免它失控。

Fill in the fuel.

加滿油箱。



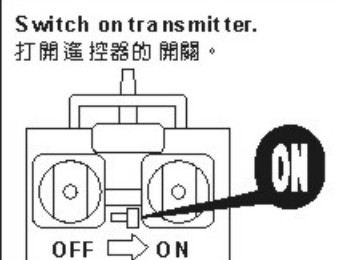
Fully extend transmitter antenna.

把遙控器上的天線完全伸展。



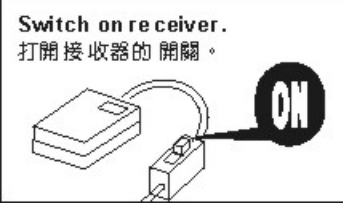
Switch on transmitter.

打開遙控器的開關。



Switch on receiver.

打開接收器的開關。



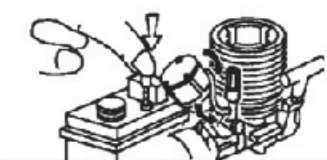
## 啟動引擎 Engine Start-Up

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



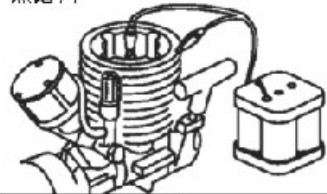
To prime the engine with fuel, press down the primer button.

首先，裝填引擎燃料，再按下進油幫浦（如果有此裝備）。



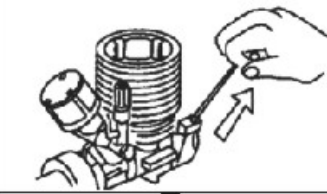
Attach one clip to the glowplug's end and the other clip to one of the cylinder cooling fins.

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。



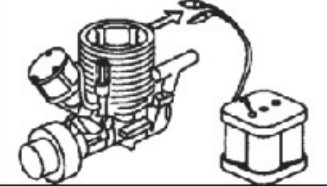
Adjust by screwing the needle in a little.

以順時針方向逐漸地微調油針。



Remove the clips from the engine.

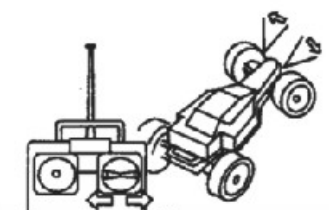
移去起動火星塞電夾。



## 操作時 While Running

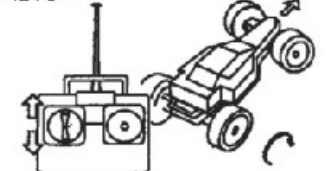
Check that the model turns in proportion to the amount you move the steering control of the transmitter.

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.

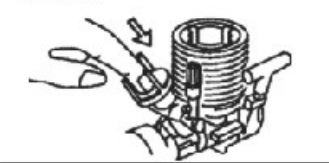
試跑遙控車的行進方向是否和你操作的遙控器前後方向相同。



## 操作後 After Running

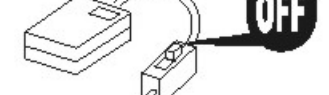
By pushing with your fingers the air cleaner, interrupt the engine.

用手指壓下空氣濾清器，可以中斷引擎。



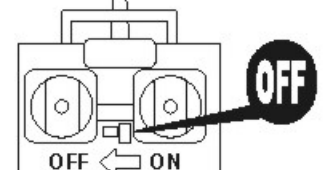
Switch off receiver.

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。此行為會導致引擎電子零件故障！



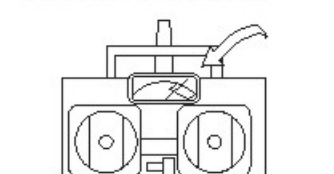
If model does not operate correctly stop it and find the cause.

如果遙控車有不正確表現，請停止操作，並立即檢查原因。



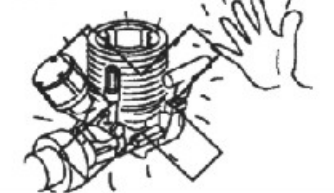
Check the batteries.

確認發射機電力是否充足。

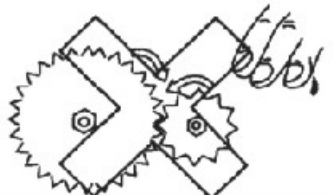


After each run, the model is hot. Beware of getting burned.

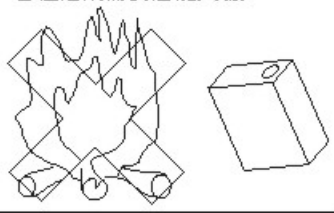
每次行駛都將導致引擎在高溫中，請勿用手觸摸引擎，以免燙傷。



Keep hands and tools away from moving parts. 勿用手碰觸運轉中的零件。



Never throw burning, gleaming or smoldering things into fuel can even if these happen to be empty. This is very dangerous to life!! 各種油類需要遠離火源。

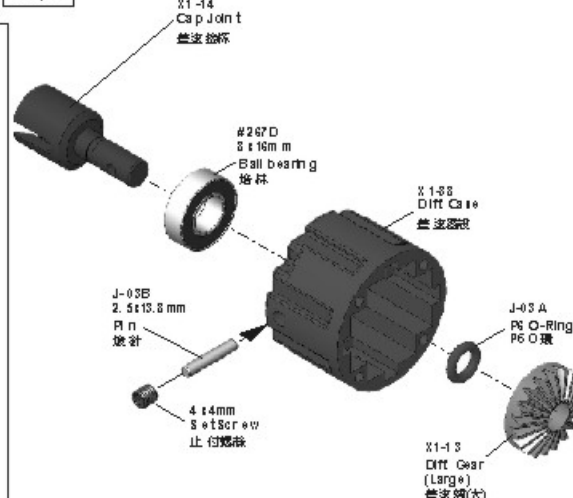
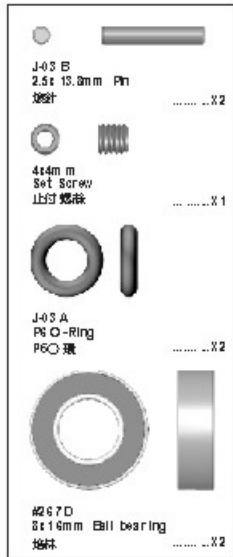


# 1 ASSEMBLY OF THE FRONT AND REAR DIFF.

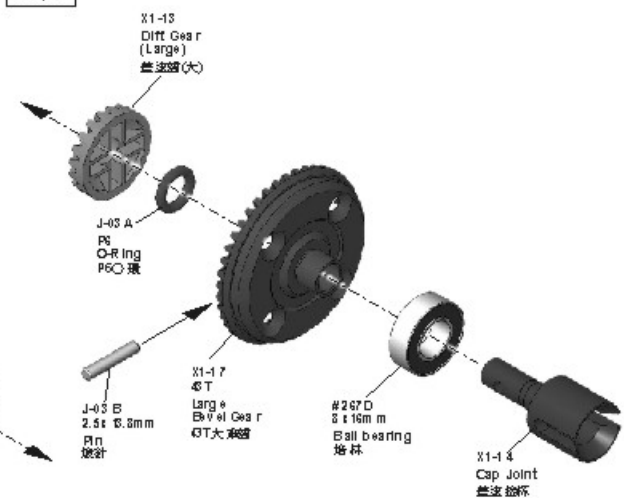
前後差速齒輪組合

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

Step 1



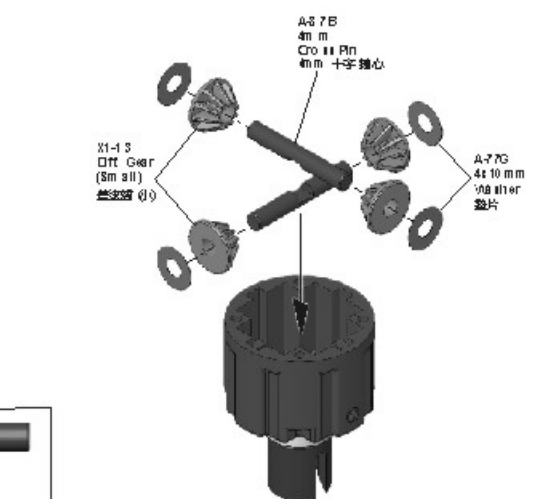
Step 2



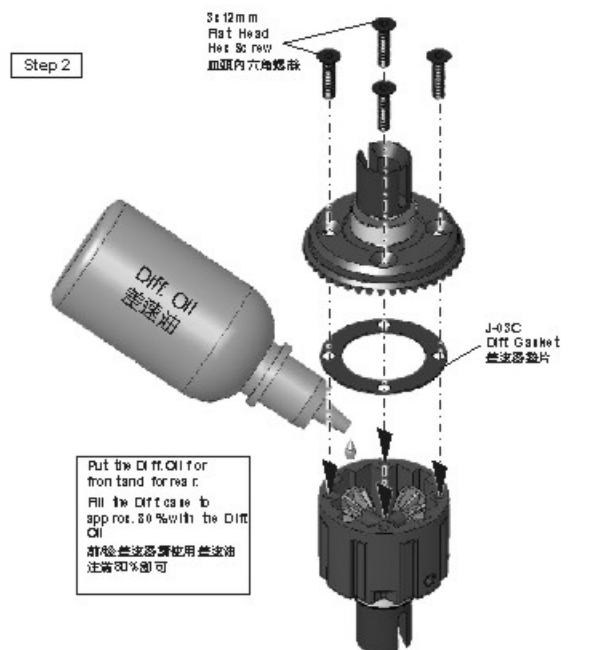
# 2 ASSEMBLY OF THE FRONT AND REAR DIFF.

前後差速齒輪組合

Step 1



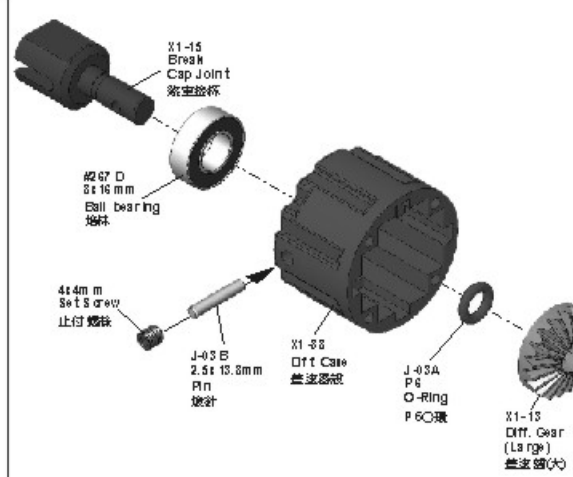
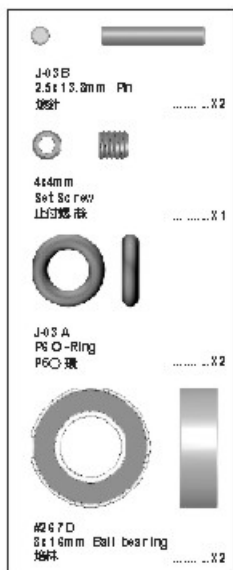
Step 2



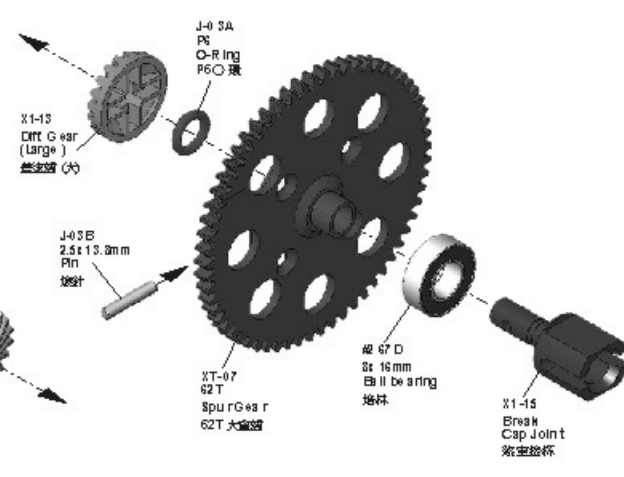
# 3 ASSEMBLY OF THE CENTER DIFF.

中央差速齒輪組合

Step 1

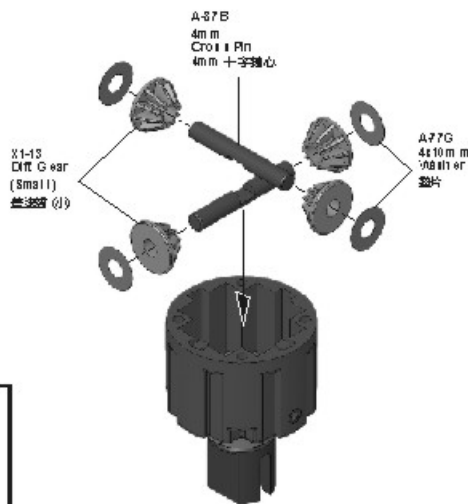
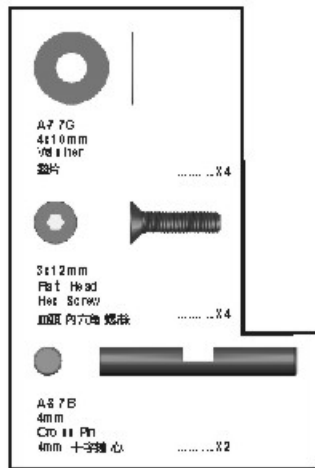


Step 2

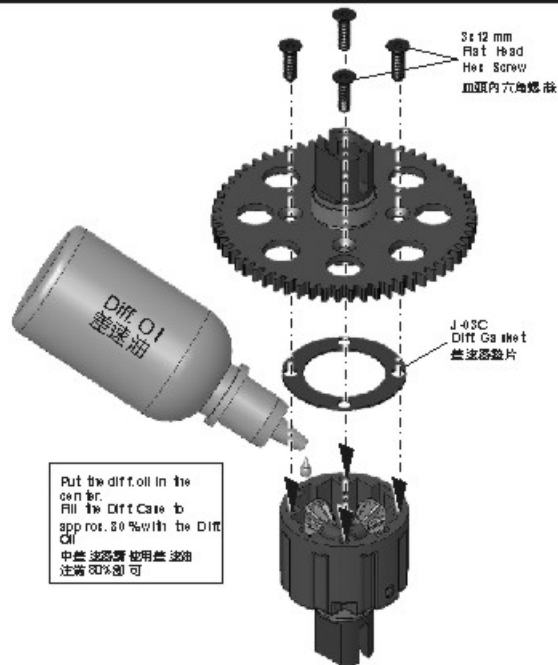


## 4 ASSEMBLY OF THE CENTER DIFF. 中央差速齒輪組合

Step 1

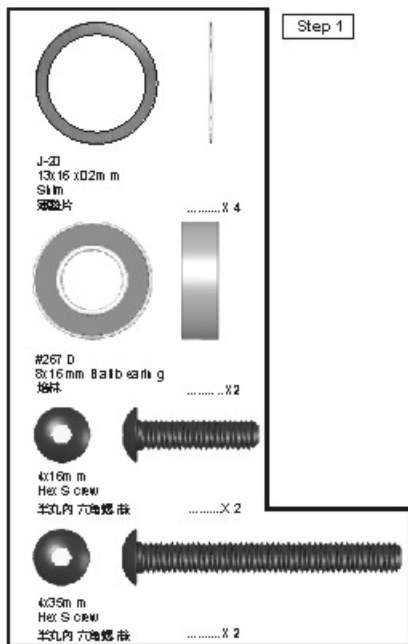


Step 2

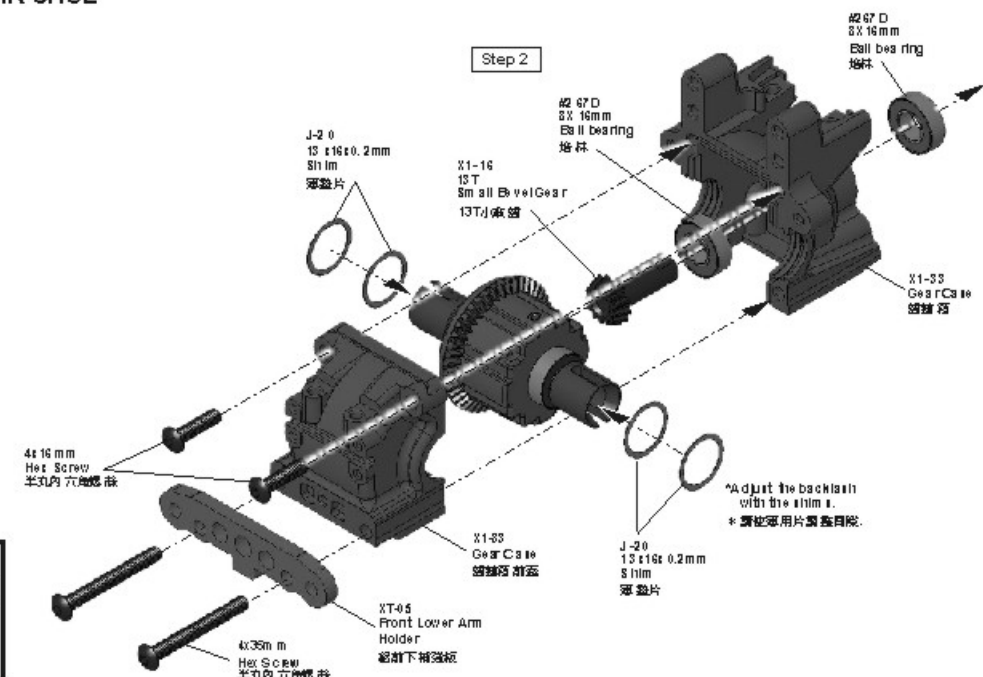


## 5 ASSEMBLY OF THE FRONT GEAR CASE 前齒輪箱組合

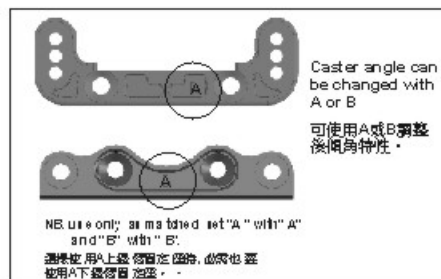
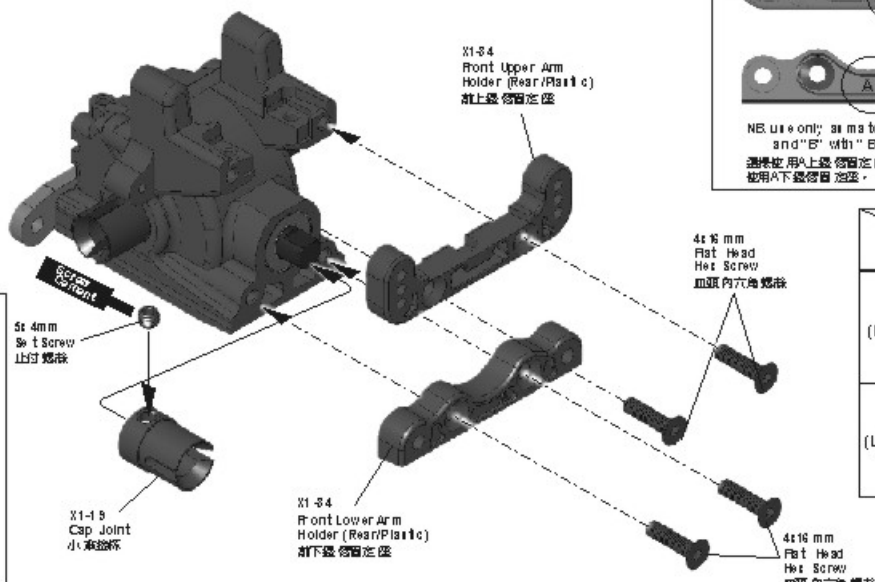
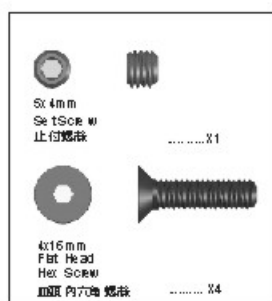
Step 1



Step 2



## 6 ASSEMBLY OF THE FRONT ARMS HOLDER 前擺臂固定座組合



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



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

**Step 1**

3x25 mm Cap Screw 帶鎖內六角螺絲 ..... X 2

3x10 mm Hex Screw 半孔內六角螺絲 ..... X 4

4x10 mm Hex Screw 半孔內六角螺絲 ..... X 4

XT-20 Front Body 前油壓架

X1-3-1 Shock Ball End Port 一體式避震器上支座

3x25 mm Hex Screw 帶鎖內六角螺絲

**Step 2**

3x10 mm Hex Screw 半孔內六角螺絲

4x10 mm Hex Screw 半孔內六角螺絲

3x25 mm Cap Screw 帶鎖內六角螺絲

3x10 mm Hex Screw 半孔內六角螺絲

**8 ASSEMBLY OF THE KNUCKLE ARMS**  
轉向座組合

**Step 1**

4x4 mm Set screw 止付螺絲 ..... X 2

4mm Nylon Nut 尼龍螺絲帽 ..... X 4

X1-3-6 Front Hub 前輪座

X1-27 Knuckle Arm Bushing 轉向座襯套

M4 Nylon Nut 尼龍螺絲帽

M4 Nylon Nut 尼龍螺絲帽

X1-25 King Screw 大主銷螺絲

X1-28 King Screw 大主銷螺絲 ..... X 4

**Step 2**

42 67 D 2x 16.5mm Ball bearing 滾珠

X1-20 Alloy Front Knuckle Arm (Left) 鋁合金轉向座 (左邊)

42 67 D 2x 16.5mm Ball bearing 滾珠

**Step 3**

X1-28 King Screw 大主銷螺絲

X1-26 Alum. Wheel Hub 鋁合金輪座

4x4 mm Set Screw 止付螺絲

42 67 E 2.5x 16.5mm Pin 鎖針

**Step 4**

X1-28 King Screw 大主銷螺絲

XT-08 Universal Joint (Front) 前軸式車軸鎖針

Assemble both left and right hand side.  
需組合左/右兩側相同。

\* The picture shows a rear view of original hand side.

**9 ASSEMBLY OF THE FRONT SUSPENSION ARMS**  
前懸吊系統組合

**Step 1**

2.5mm E-Ring 2.5mm E 型環 ..... X 4

3mm E-Ring 3mm E 型環 ..... X 4

4x10 mm Set Screw 止付螺絲 ..... X 2

X1-4-6 3mm Arm Shaft (short) 3mm 避震鎖針 (短) ..... X 2

D-17 A 4mm Arm Shaft (Long) 4mm 避震鎖針 (長) ..... X 2

**Step 2**

3mm E-Ring E型環

D-17 A 4mm Arm Shaft 4mm 避震鎖針

3mm E-Ring E型環

4x10 mm Set Screw 止付螺絲

3mm Arm Shaft (short) 3mm 避震鎖針 (短)

2.5mm E-Ring E型環

2.5mm E-Ring E型環

Assemble both left and right hand side.  
需組合左/右兩側相同。

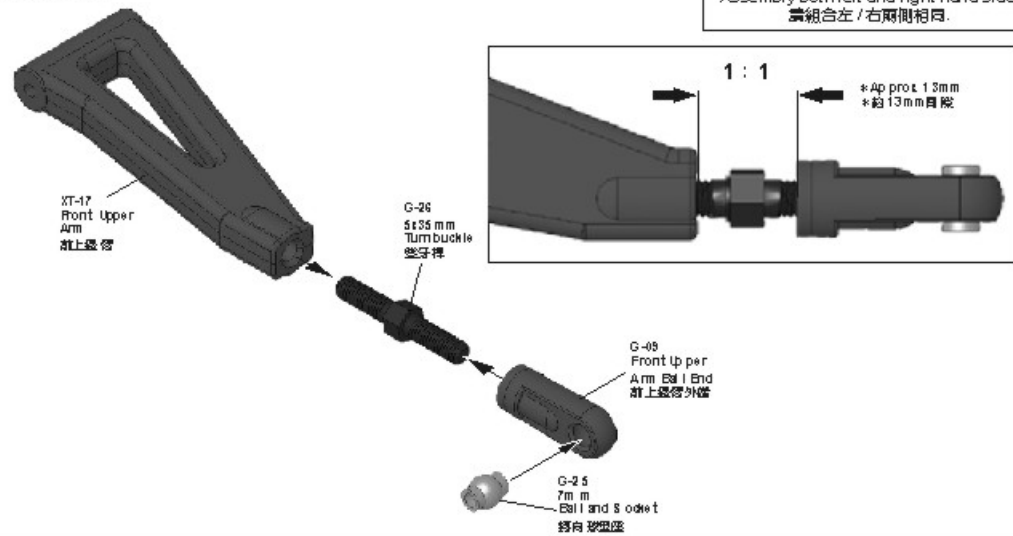
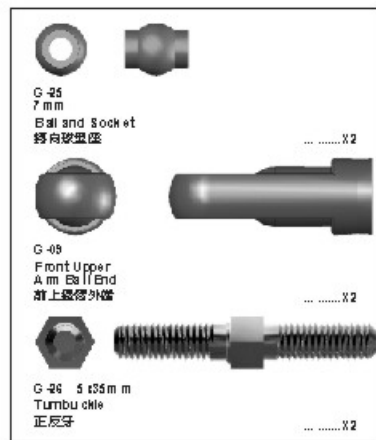
\* A 4x10 mm set screw is used to adjust the height of 4x10 mm stop screw. 調整墊圈可用。



## 10 ASSEMBLY OF THE FRONT UPPER ARMS

前上擺臂組合

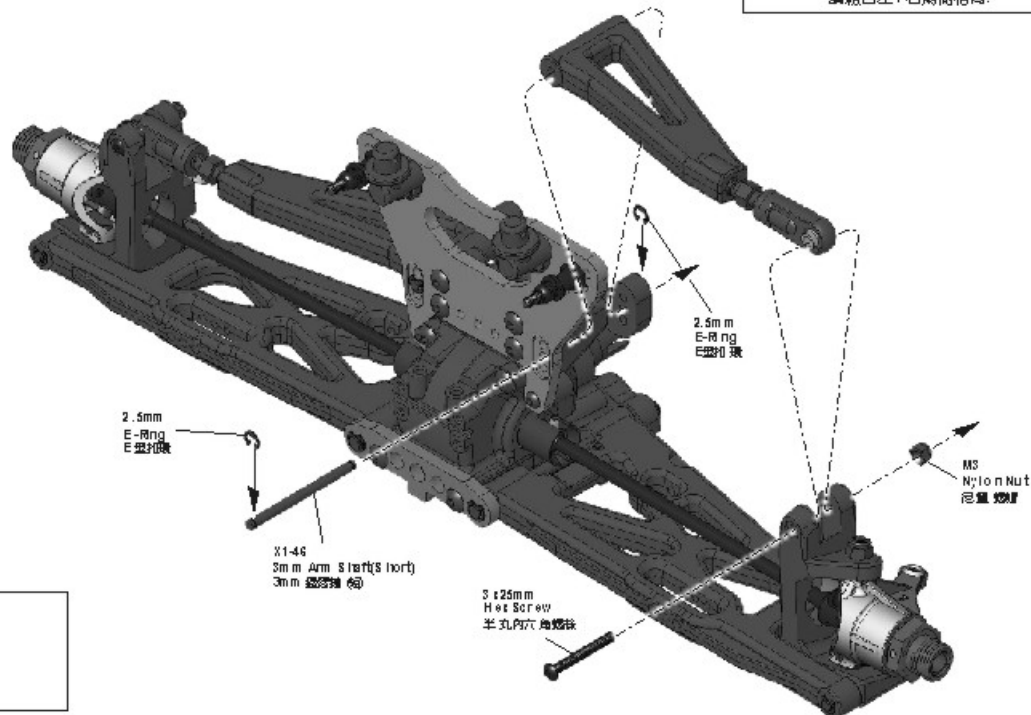
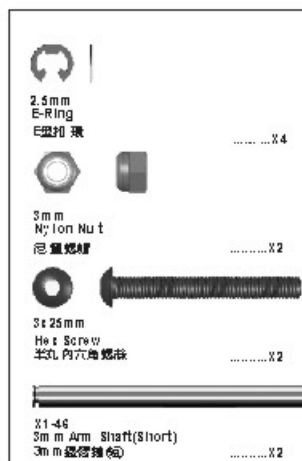
Assembly both left and right hand side.  
需組合左 / 右兩側相同。



## 11 ASSEMBLY OF THE FRONT SUSPENSION ARMS

前懸吊系統組合

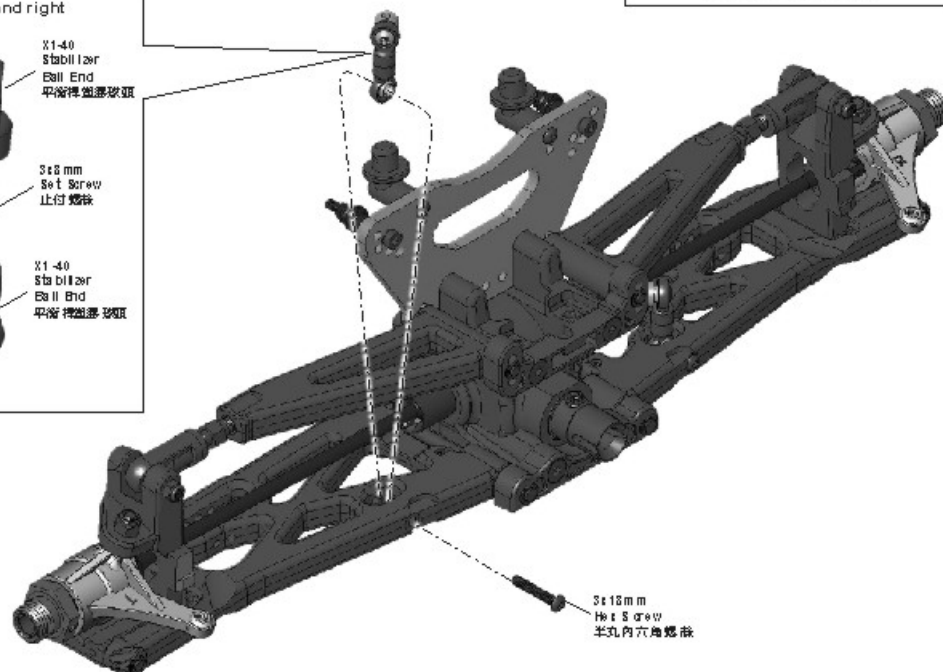
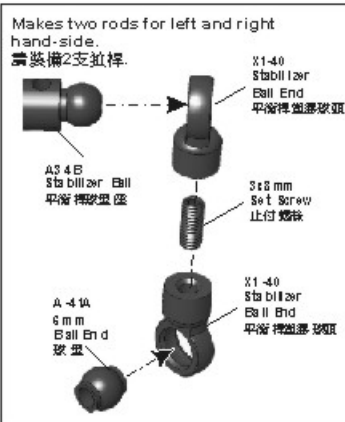
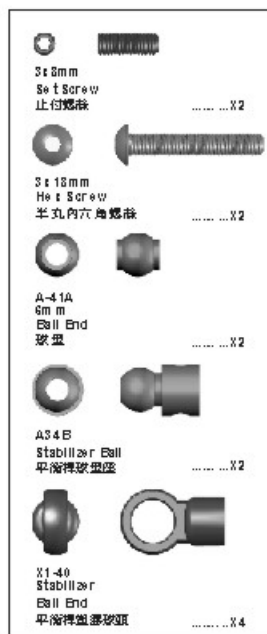
Assembly both left and right hand side.  
需組合左 / 右兩側相同。



## 12 ASSEMBLY OF THE FRONT STABILIZER

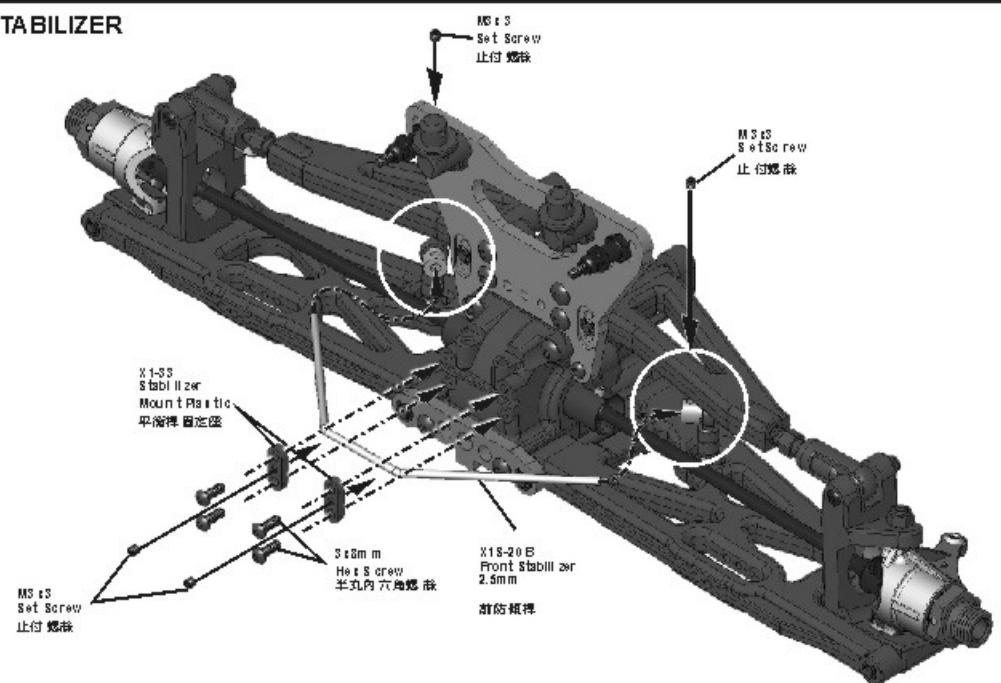
前平衡桿組合

Assembly both left and right hand side.  
需組合左 / 右兩側相同。



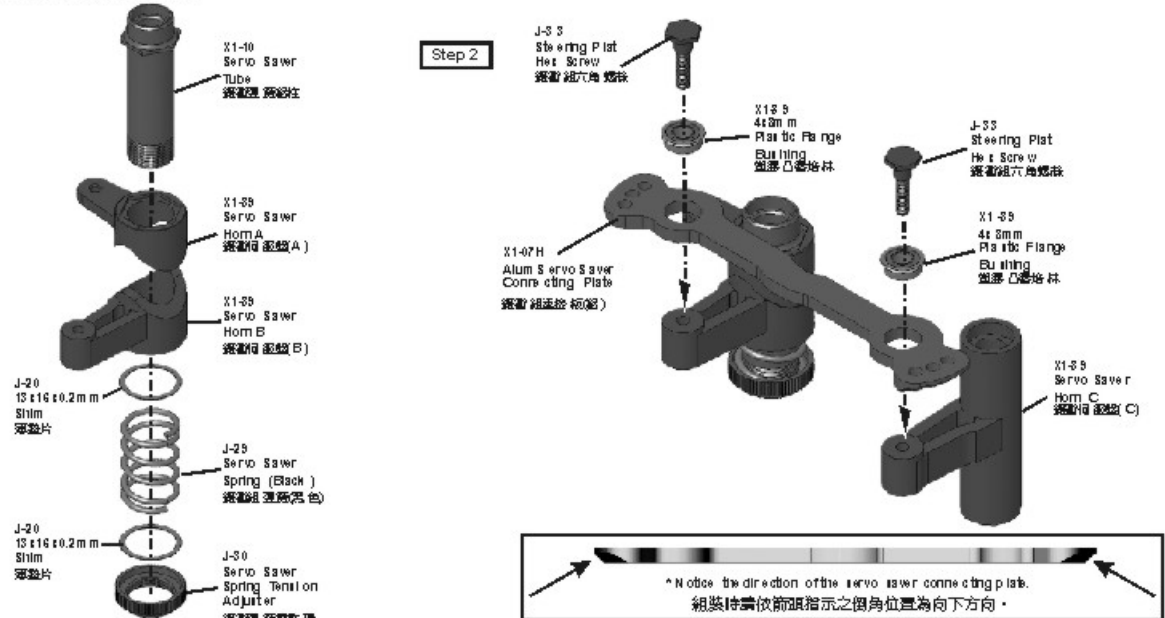
### 13 ASSEMBLY OF THE FRONT STABILIZER 前平衡桿組合

- M3 Set Screw 止付螺絲 ..... X4
- 3x8mm Hex S crew 半孔內六角螺絲 ..... X4



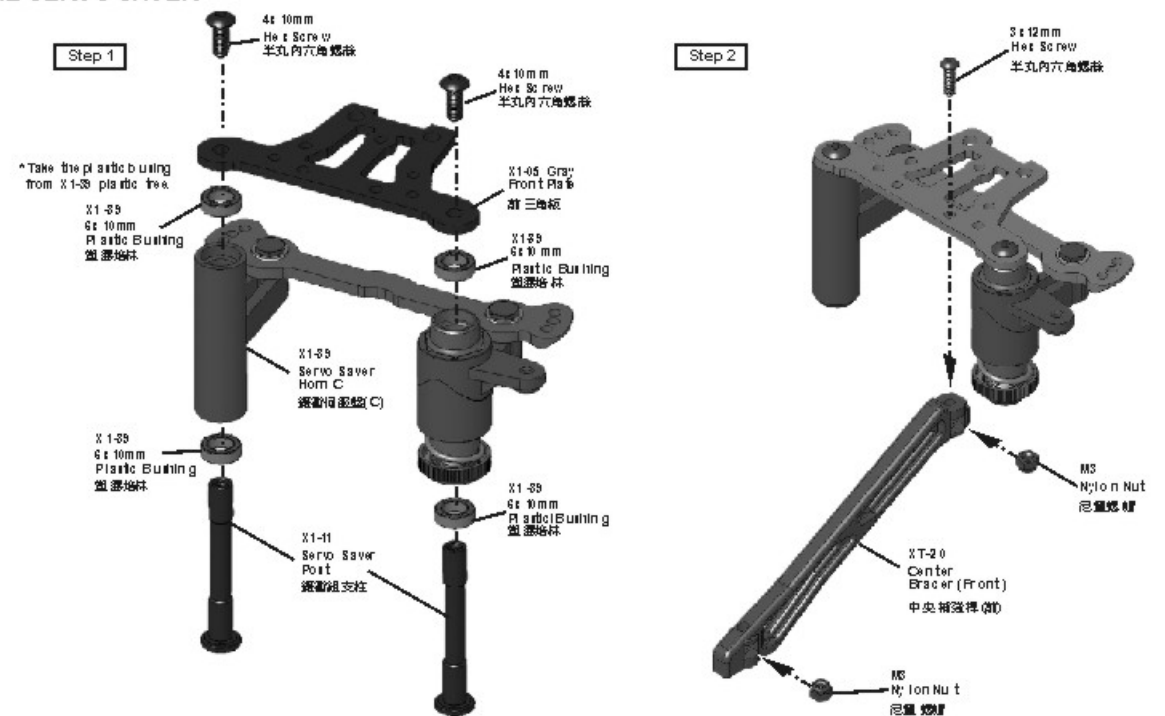
### 14 ASSEMBLY OF THE SERVO SAVER 緩衝組組合

- Step 1**
- J-20 13x18x0.2mm Shim 薄垫片 ..... X2
  - X1-33 4x8mm Plastic Range Bushing 塑膠凸環插片 ..... X2
  - J-33 Steering Plat Hex Screw 緩衝組六角螺絲 ..... X2



### 15 ASSEMBLY OF THE SERVO SAVER 緩衝組組合

- Step 1**
- 3mm Nylon Nut 尼龍螺帽 ..... X2
  - 3x12mm Hex S crew 半孔內六角螺絲 ..... X1
  - 4x10mm Hex S crew 半孔內六角螺絲 ..... X2
  - X1-33 6x10mm Plastic Bushing 塑膠插片 ..... X4

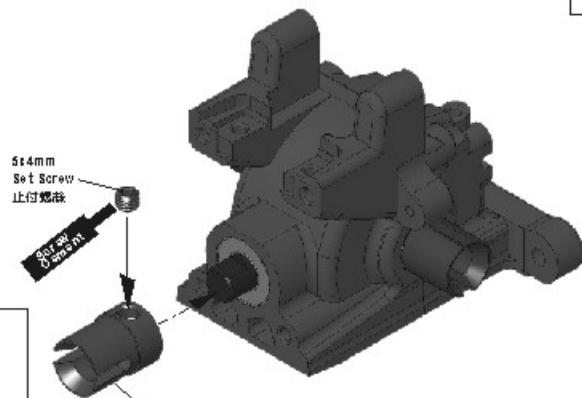




## 19 ASSEMBLY OF THE REAR GEAR CASE

後齒輪箱組合

Step 1



5x4mm  
Set Screw  
止付螺絲

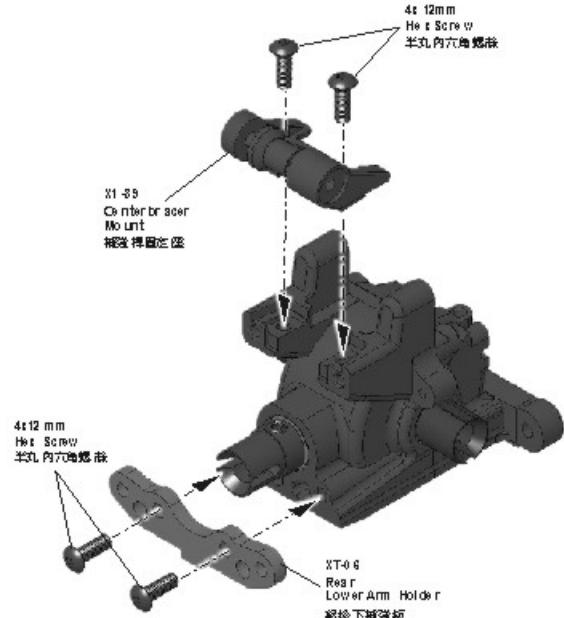
X1-19  
Cap Joint  
小滾珠杯



5x4mm  
Set Screw  
止付螺絲 .....X 1

4x12mm  
Hex Screw  
半孔內六角螺絲 .....X 4

Step 2



4x12mm  
Hex Screw  
半孔內六角螺絲

X1-39  
Center Bracket  
Screw Hole Unit  
補強桿固定座

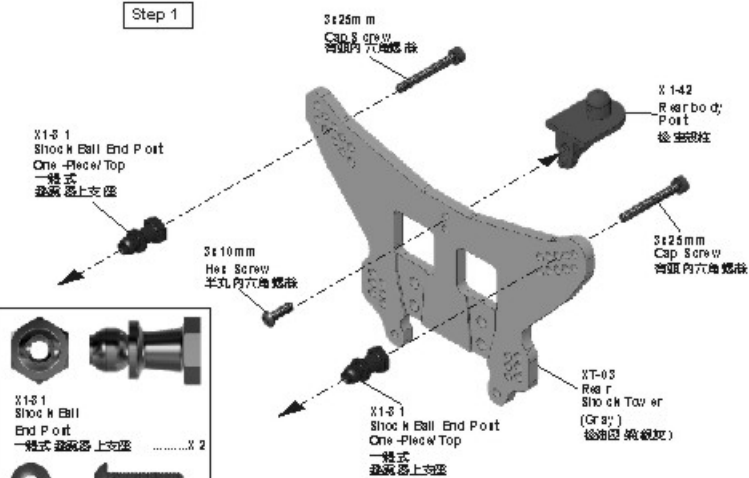
4x12mm  
Hex Screw  
半孔內六角螺絲

XT-06  
Rear  
Lower Arm Holder  
前後下補強板

## 20 ASSEMBLY OF THE REAR SHOCK STAY

後油壓架組合

Step 1



3x25mm  
Cap Screw  
半孔內六角螺絲

X1-81  
Shock Ball End Point  
One-Piece/Top  
一體式避震器上支撐

X1-42  
Rear Shock  
Post  
後避震柱

3x10mm  
Hex Screw  
半孔內六角螺絲

3x25mm  
Cap Screw  
半孔內六角螺絲

XT-03  
Rear  
Shock Tower  
(Gray)  
後油壓架固定座

X1-81  
Shock Ball End Point  
One-Piece/Top  
一體式避震器上支撐

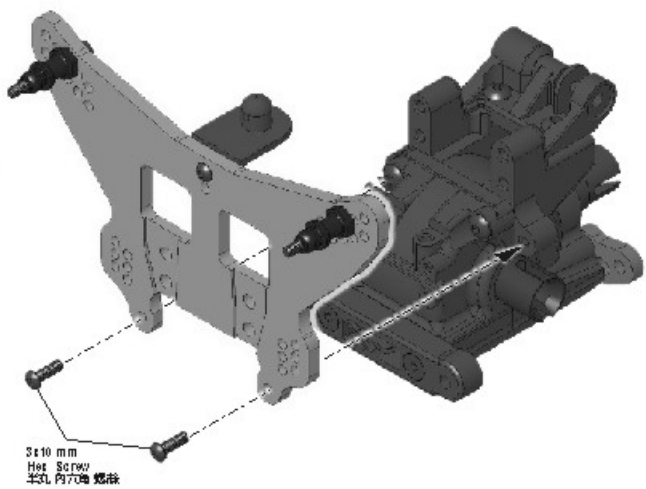


X1-81  
Shock Ball  
End Point  
一體式避震器上支撐 .....X 2

3x10mm  
Hex Screw  
半孔內六角螺絲 .....X 3

3x25mm  
Cap Screw  
半孔內六角螺絲 .....X 2

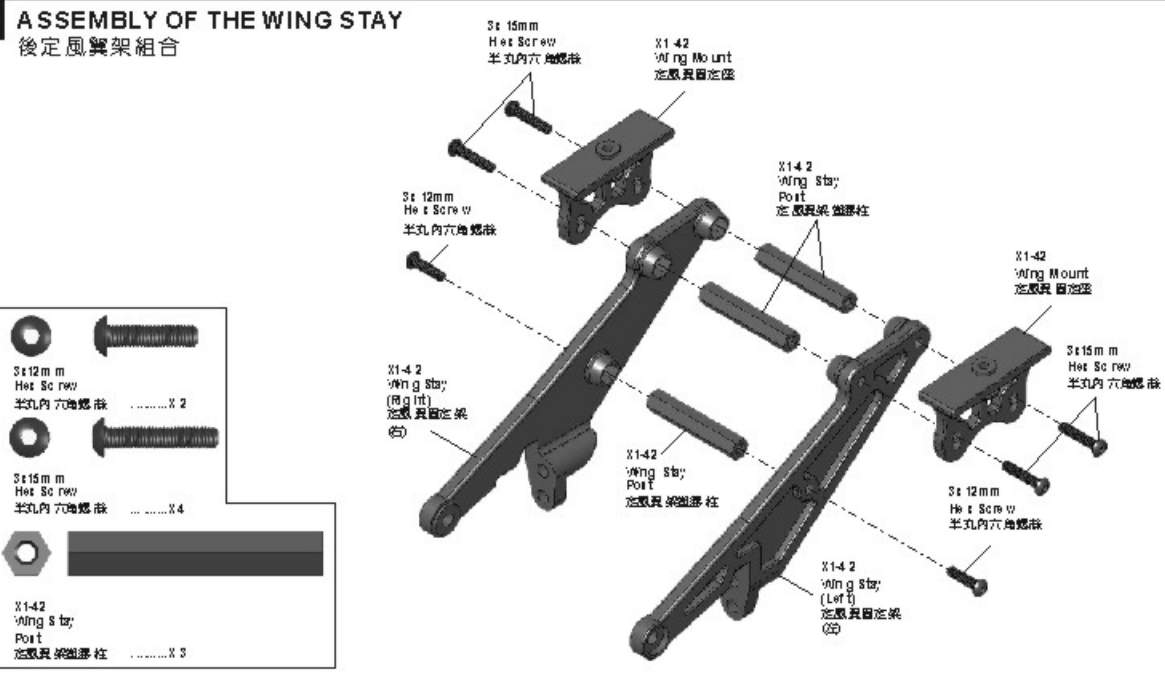
Step 2



3x10mm  
Hex Screw  
半孔內六角螺絲

## 21 ASSEMBLY OF THE WING STAY

後定風翼架組合



3x15mm  
Hex Screw  
半孔內六角螺絲

X1-42  
Wing Mount  
定風翼架固定座

3x12mm  
Hex Screw  
半孔內六角螺絲

X1-42  
Wing Stay  
Post  
定風翼架固定柱

X1-42  
Wing Mount  
定風翼架固定座

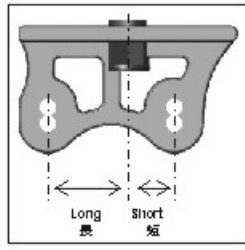
3x15mm  
Hex Screw  
半孔內六角螺絲



3x12mm  
Hex Screw  
半孔內六角螺絲 .....X 2

3x15mm  
Hex Screw  
半孔內六角螺絲 .....X 4

X1-42  
Wing Stay  
Post  
定風翼架固定柱 .....X 3

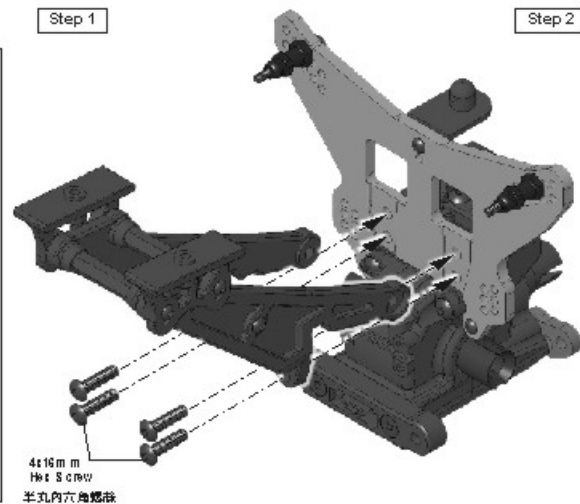


Long  
長

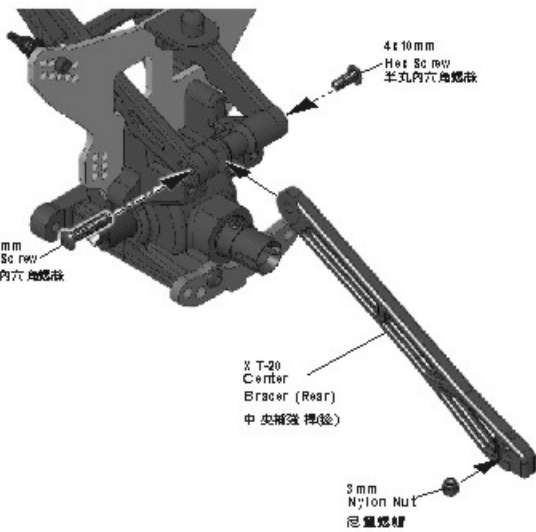
Short  
短

## 22 ASSEMBLY OF THE WING STAY ONTO SHOCK STAY 後定風翼架組合

Step 1

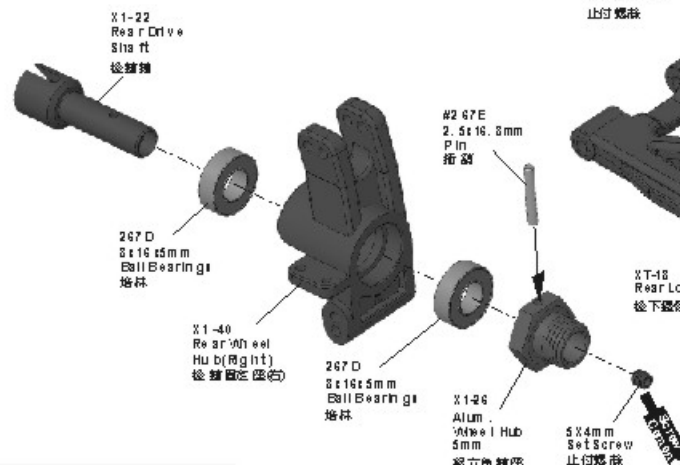


Step 2

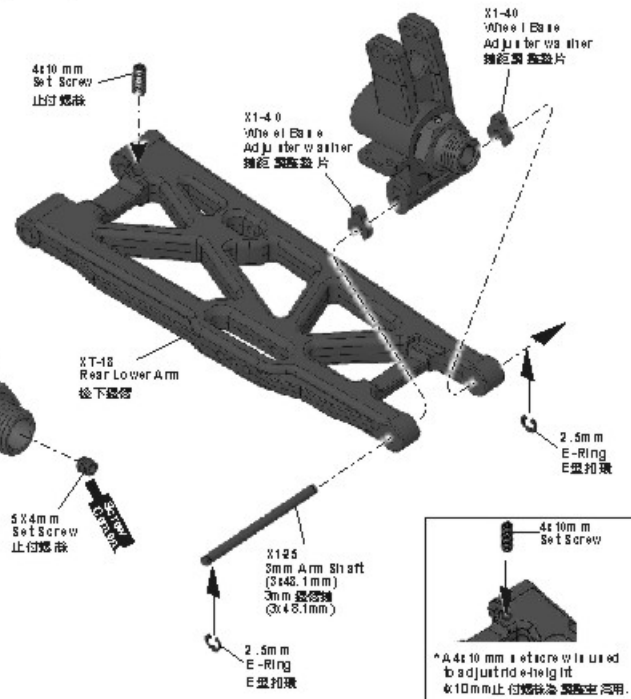


## 23 ASSEMBLY OF THE REAR WHEEL HUBS 後輪座組合

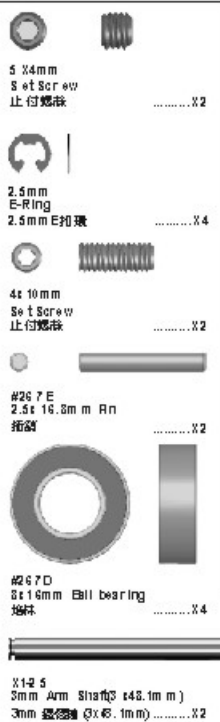
Step 1



Step 2

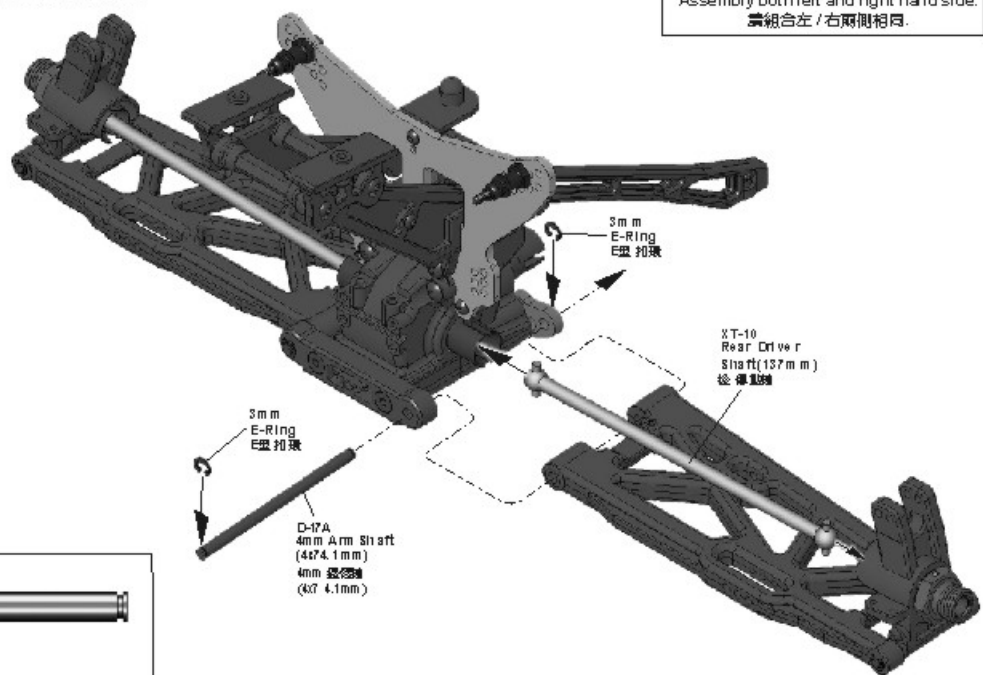


Assembly both left and right hand side.  
需組合左/右兩側相同。



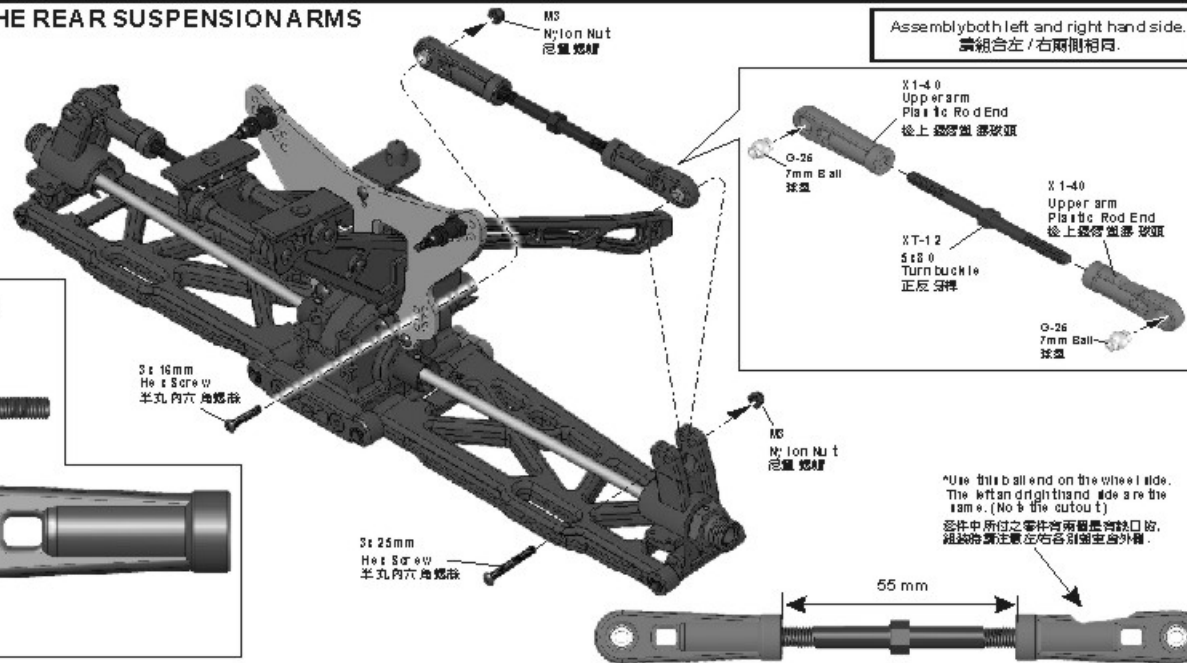
## 24 ASSEMBLY OF THE REAR SUSPENSION ARMS 後懸吊系統組合

Assembly both left and right hand side.  
需組合左/右兩側相同。



## 25 ASSEMBLY OF THE REAR SUSPENSION ARMS

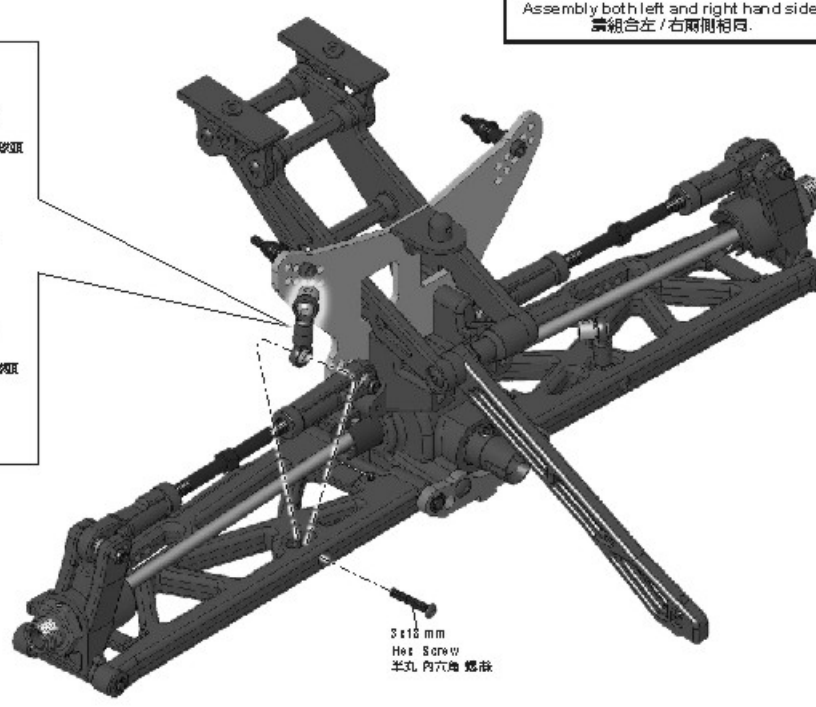
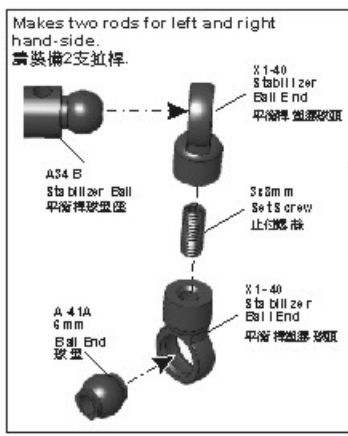
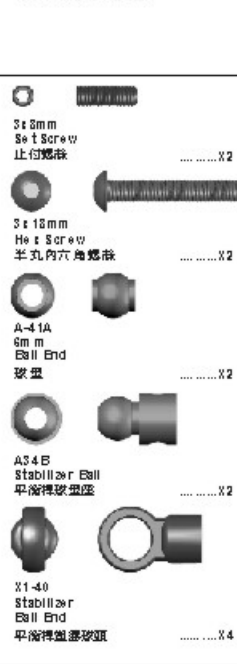
### 後懸吊系統組合



Assembly both left and right hand side. 請組合左/右兩側相同。

## 26 ASSEMBLY OF THE REAR STABILIZER

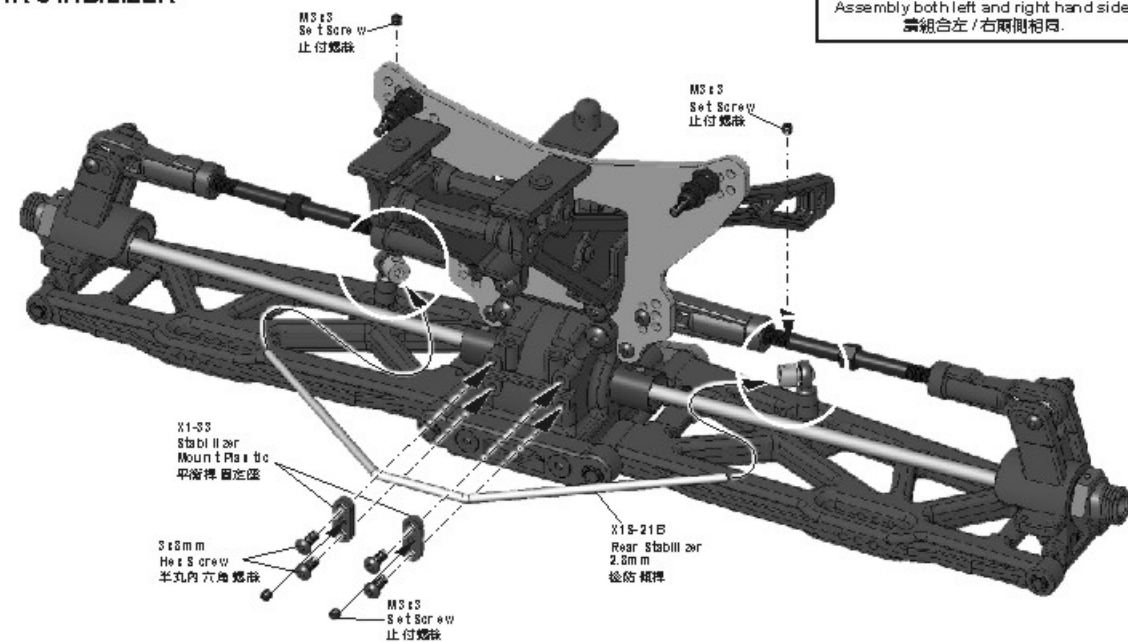
### 後平衡桿組合



Assembly both left and right hand side. 請組合左/右兩側相同。

## 27 ASSEMBLY OF THE REAR STABILIZER

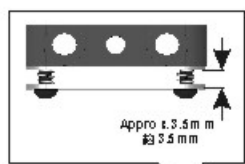
### 後平衡桿組合



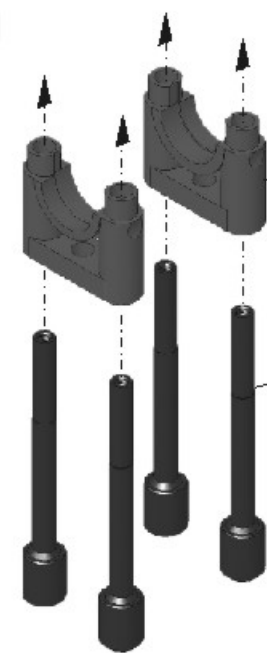
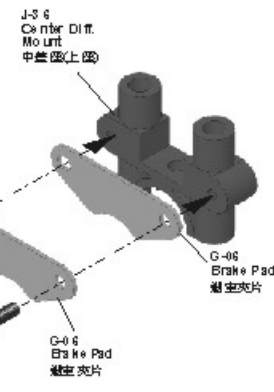
Assembly both left and right hand side. 請組合左/右兩側相同。



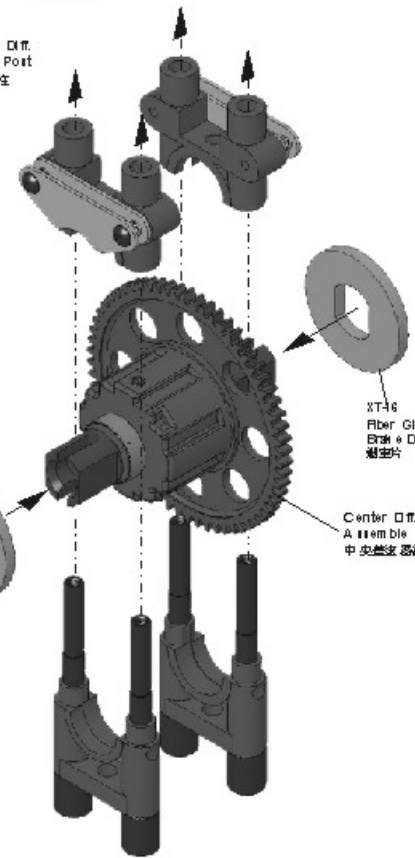
Step 2



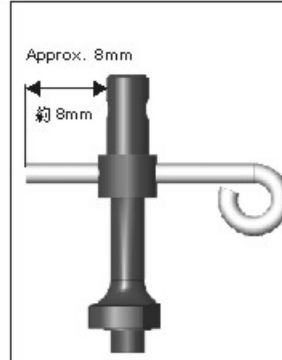
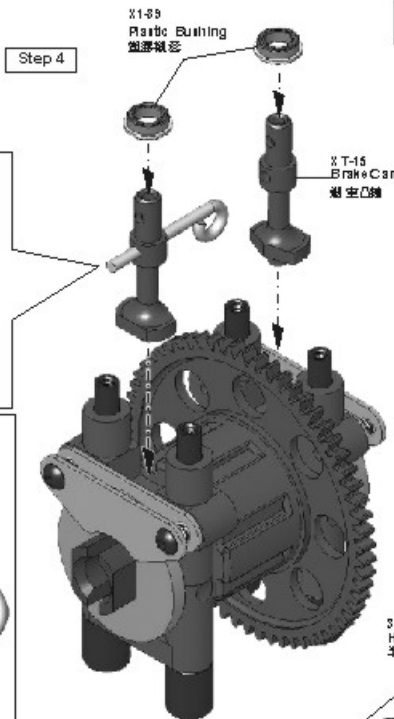
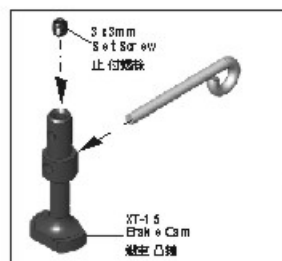
Step 1



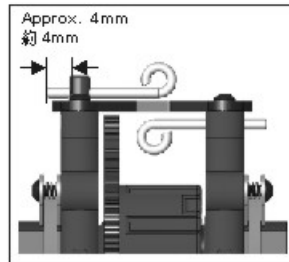
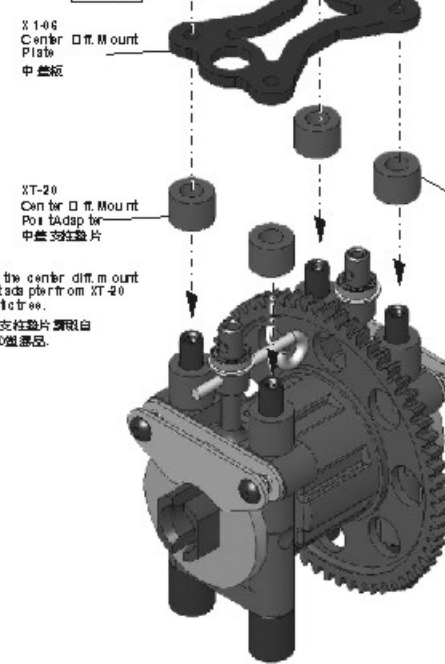
Step 3



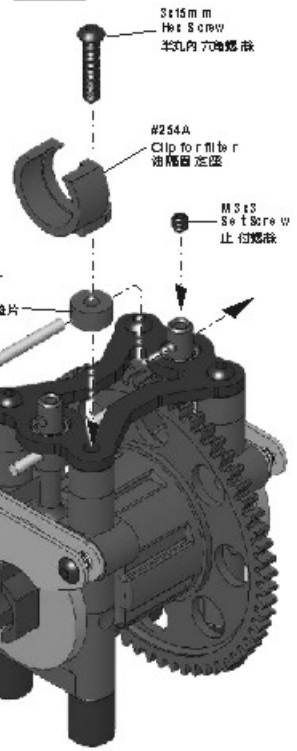
Step 4



Step 5



Step 6



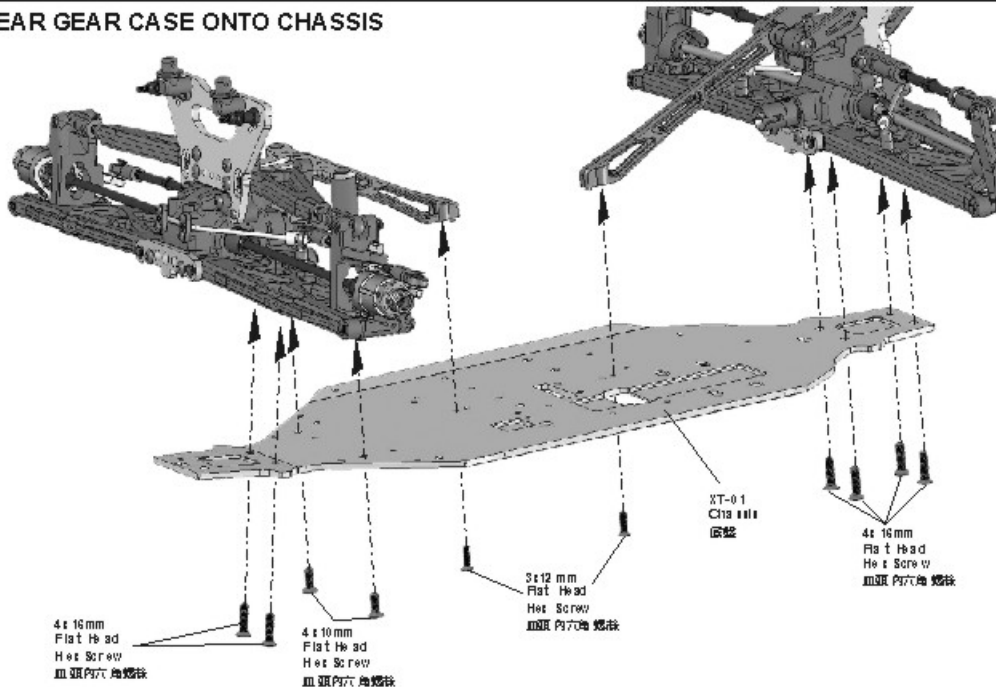
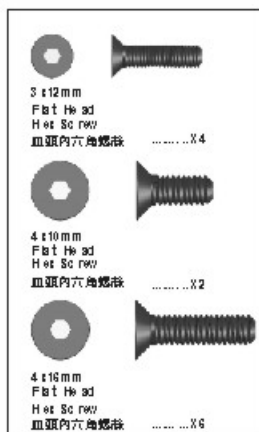
\*Take the center diff. mount post/adaptor from XT-20 plastic tree.  
中差支柱墊片請取自 XT-20 塑膠品。

\*Take the fuel filter spacer from XT-20 plastic tree.  
油隔加高墊片請取自 XT-20 塑膠品。

- M3x3 Set Screw 止付螺絲 .....X2
- X1-59 Plastic Bushing 塑膠襯套 .....X2
- 3x10mm Hex Screw 半孔內六角螺絲 .....X3
- 3x12mm Hex Screw 半孔內六角螺絲 .....X3

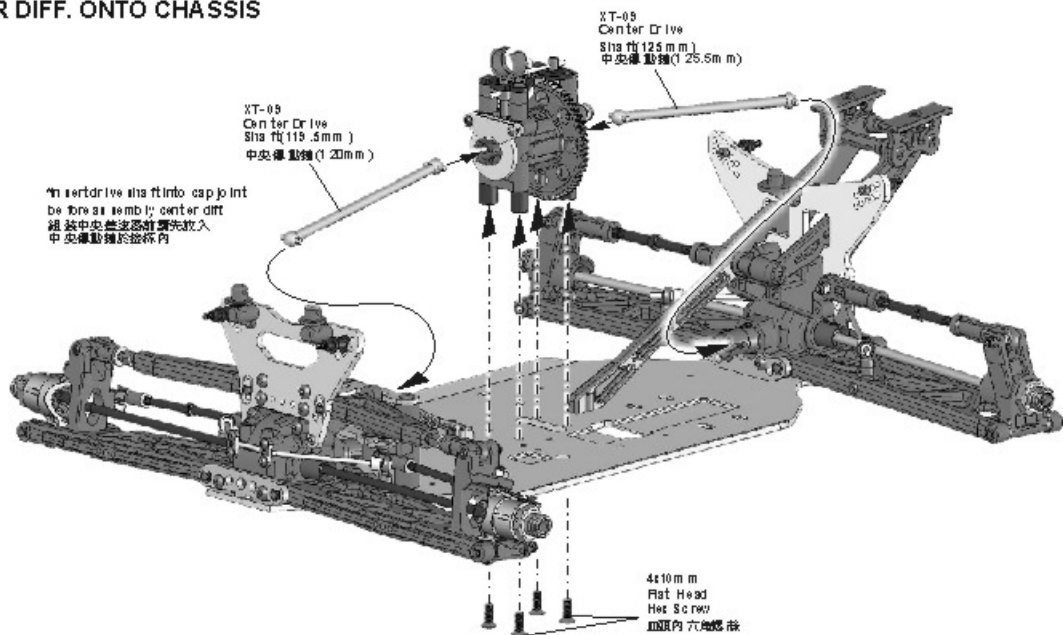
## 29 ASSEMBLY OF THE FRONT AND REAR GEAR CASE ONTO CHASSIS

組合前後齒輪箱至底盤



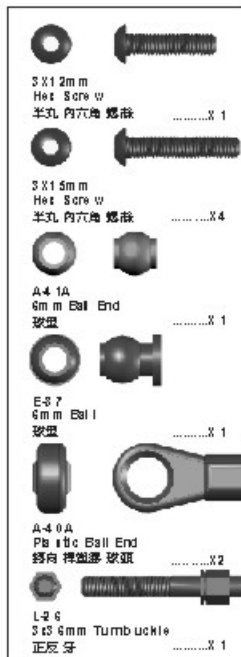
## 30 ASSEMBLY OF THE CENTER DIFF. ONTO CHASSIS

中差座與底盤組合

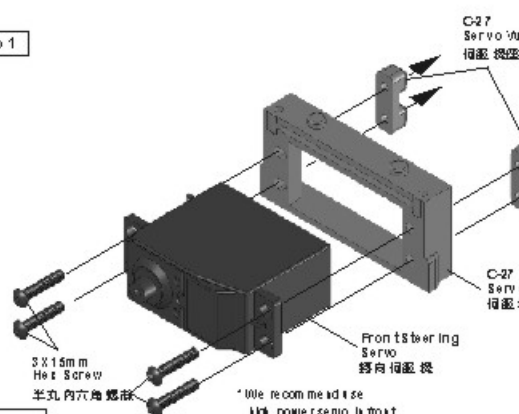


## 31 ASSEMBLY OF THE STEERING SERVO AND STEERING ROD

轉向伺服器與轉向拉桿組合

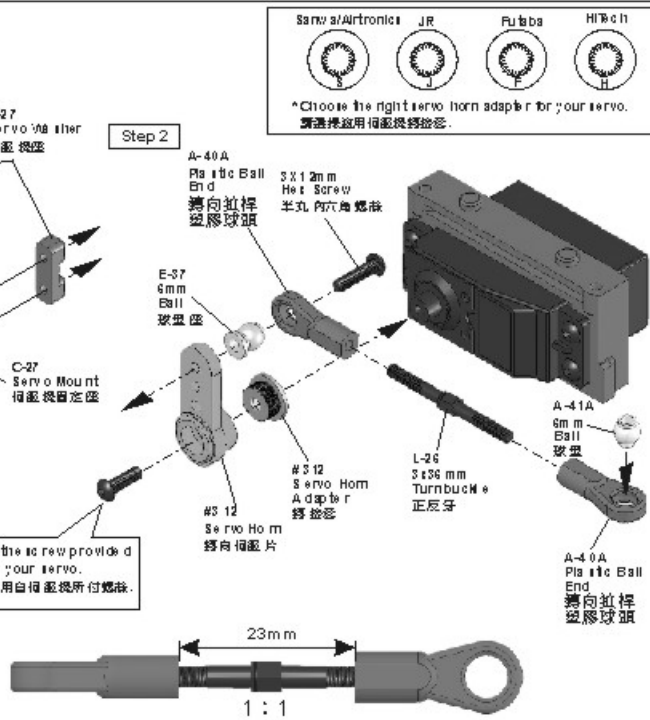


Step 1








\*We recommend use high power servo to front steering.  
\*建議使用大功率轉向伺服機。

Step 2

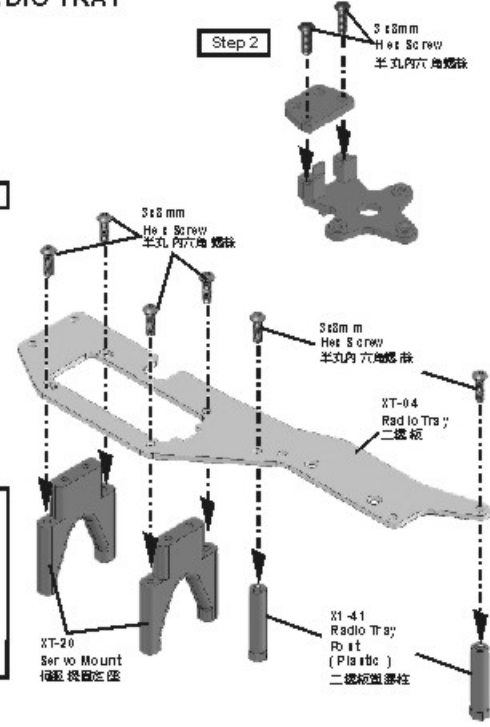


### 32 ASSEMBLY OF THE RADIO TRAY

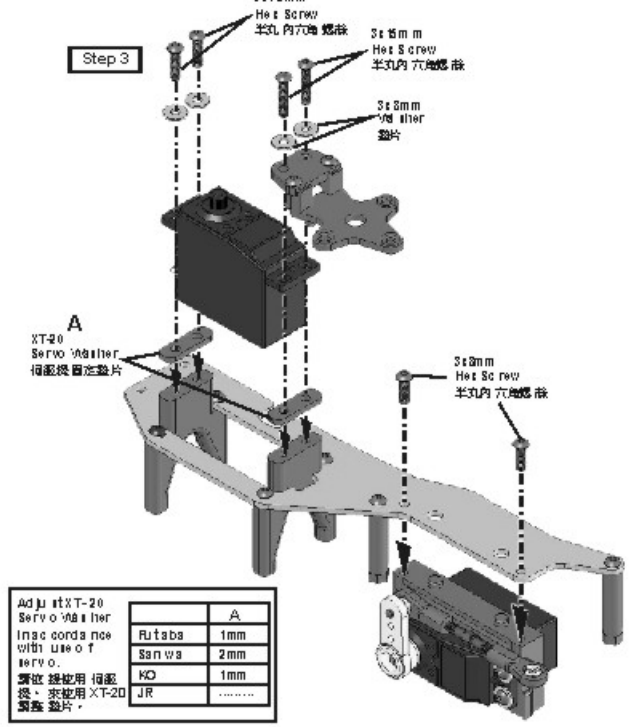
二樓板組合

-  3x8mm Washer 墊片 .....X 4
-  3x8mm Hex Screw 半孔內六角螺絲 .....X 10
-  3x12mm Hex Screw 半孔內六角螺絲 .....X 2
-  3x15mm Hex Screw 半孔內六角螺絲 .....X 2
-  X1-41 Radio Tray Post (Plastic) 二樓板塑膠柱 .....X 2

Step 1



Step 3



Adjust XT-20 Servo Wadher. Insert cord nose with use of servo. 調整 墊片使用 伺服機 - 裝上使用 XT-20 固定 墊片。

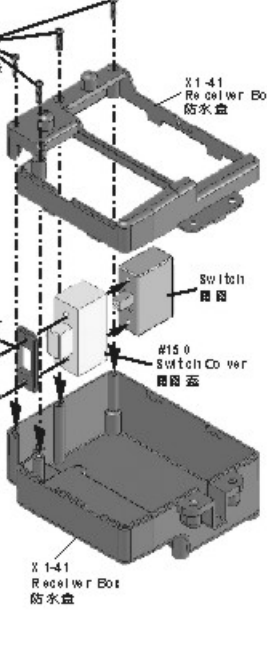
	A
Radius	1mm
Servo	2mm
HO	1mm
JR	.....

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

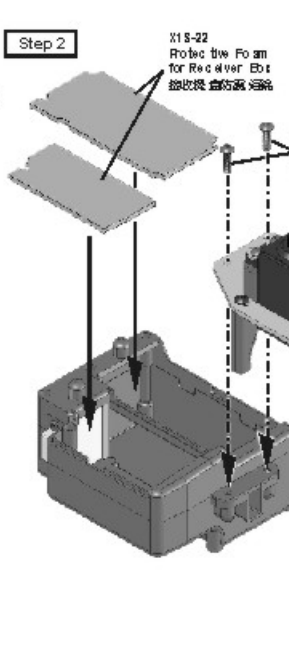
二樓板與防水盒組合

-  2x8mm Screw 半孔十字螺絲 .....X 4
-  3x10mm Hex Screw 半孔內六角螺絲 .....X 2
-  2x8mm Hex Screw 半孔十字螺絲 .....X 4
-  3x10mm Hex Screw 半孔內六角螺絲 .....X 2

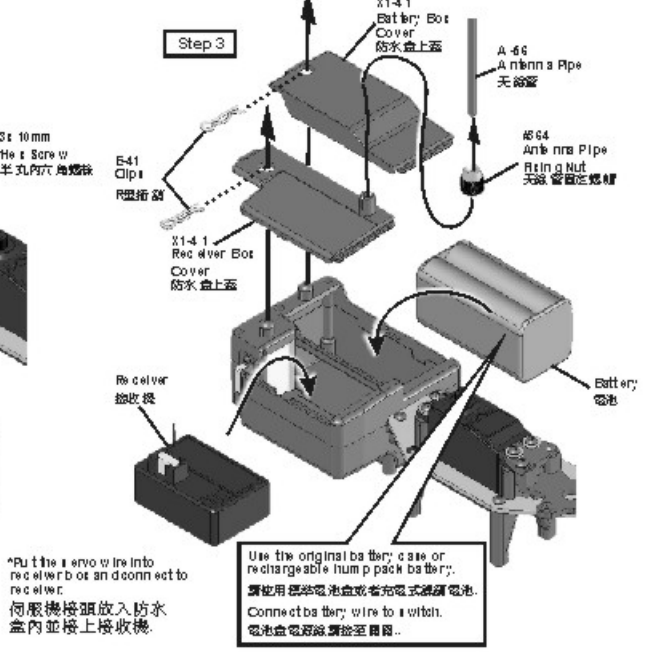
Step 1



Step 2



Step 3



\*Connect the switch wire to receiver. 組裝時請將開關電源線接至接收機。



\*Use the screw provided with your switch to hold your switch. 使用開關所附螺絲。

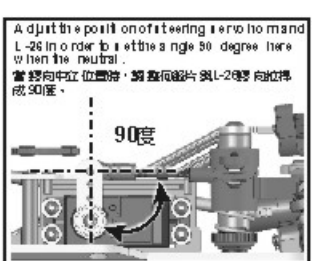
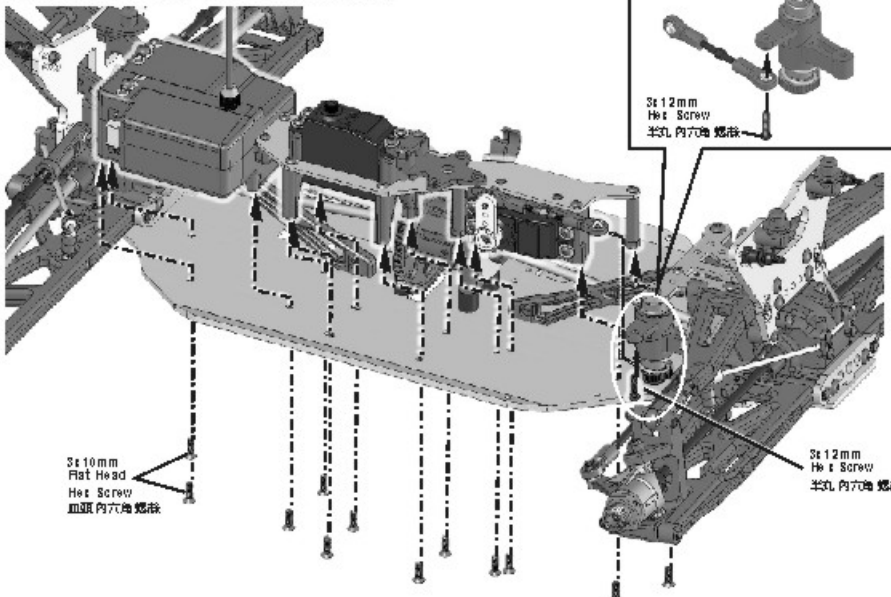
\*Put the servo wire into receiver or disconnect to receiver. 伺服機線頭放入防水盒內並接上接收機。

Use the original battery case or rechargeable humppack battery. 請使用原裝電池盒或充電式遙控電池。 Connect battery wire to a switch. 電池盒電源線請接至開關。

### 34 ASSEMBLY OF THE RADIO TRAY ONTO CHASSIS

組合二樓板至底盤

-  3x10mm Flat Head Hex Screw 圓頭內六角螺絲 .....X 12
-  3x12mm Hex Screw 半孔內六角螺絲 .....X 1



### 36 ASSEMBLY OF THE FUEL TANK 油箱組合

**Step 1**

3x12mm Hex Screw 半孔內六角螺絲 .....X2

J-51 Fuel Tank 油箱

3x12mm Hex Screw 半孔內六角螺絲

Pressure Nipple 加壓嘴

E-07 PS O-Ring P30環 .....X2

X1-89 Fuel Tank Post 油箱柱

E-07 PS O-Ring P30環

\*Take the fuel tank post from X1-89 plastic part tree.

**Step 2**

3x10mm Flat Head Hex Screw 扁頭內六角螺絲

**PS O-Ring P30環** .....X2

**3x10mm Flat Head Hex Screw 扁頭內六角螺絲** .....X2

**3x12mm Hex Screw 半孔內六角螺絲** .....X2

**X1-89 Fuel Tank Post 油箱柱** .....X2

### 36 ASSEMBLY OF THE CLUTCH 組合離合器

**Step 1**

3G Type Crank Shaft SG 曲柄引索

#264 B Taper Cone 7mm 錐型芯

#174 D Pilot Shaft 飛輪中心螺絲

#180 D SG Clutch Nut SG 離合器中心螺絲

Fit the clutch using a pair of the pilot and cross wrench.  
將離合器套入離合器片，套入螺絲，使用一對飛輪螺絲及十字螺絲，將離合器套至中心螺絲處，並用力壓入。

**Step 2**

#174 C Clutch Spring 離合器彈簧

#174 B Clutch Shoe 離合器片

\*Only use this #174D pilot shaft for threaded crank shaft engine.  
\* 全牙曲柄引擎請使用#174D中心螺絲。

#174 D Pilot Shaft 飛輪中心螺絲

#174 A 3 Pin Flywheel 飛輪

Place the clutch shoe with the clutch spring over the 3 pin of the flywheel.  
Using a phillips screwdriver or needle nose pliers and bend the terminal of the clutch spring behind the pilot shaft #174 D or #180 D then press down.  
將離合器彈簧放入離合器片中，套入螺絲，使用飛輪螺絲，將離合器彈簧套至中心螺絲處，並用力壓入。

Engine rotate in direction. 引擎旋轉方向

### 37 ASSEMBLY OF THE CLUTCH AND ENGINE MOUNT 組合離合器

**Step 1**

3x5mm Washer 墊片 .....X1

5x5x0.3mm Washer 墊片 .....X1

A-47A 5x10x4mm Ball bearing 炮珠 .....X2

3x5mm Cap Screw 帶鎖內六角螺絲 .....X1

3x16mm Cap Screw 帶鎖內六角螺絲 .....X4

**Step 2**

A-47A 5x10x4mm Ball bearing 炮珠

5x5x0.3mm Washer 墊片

#106 13T Clutch Ball 離合器球

A-47A 5x10x4mm Ball bearing 炮珠

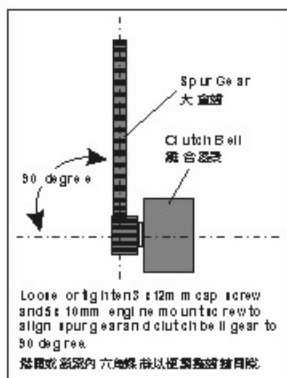
3x5mm Cap Screw 帶鎖內六角螺絲

3x8mm Washer 墊片

X T-24 Engine Mount 引擎座

### 38 ASSEMBLY OF THE ENGINE ONTO CHASSIS

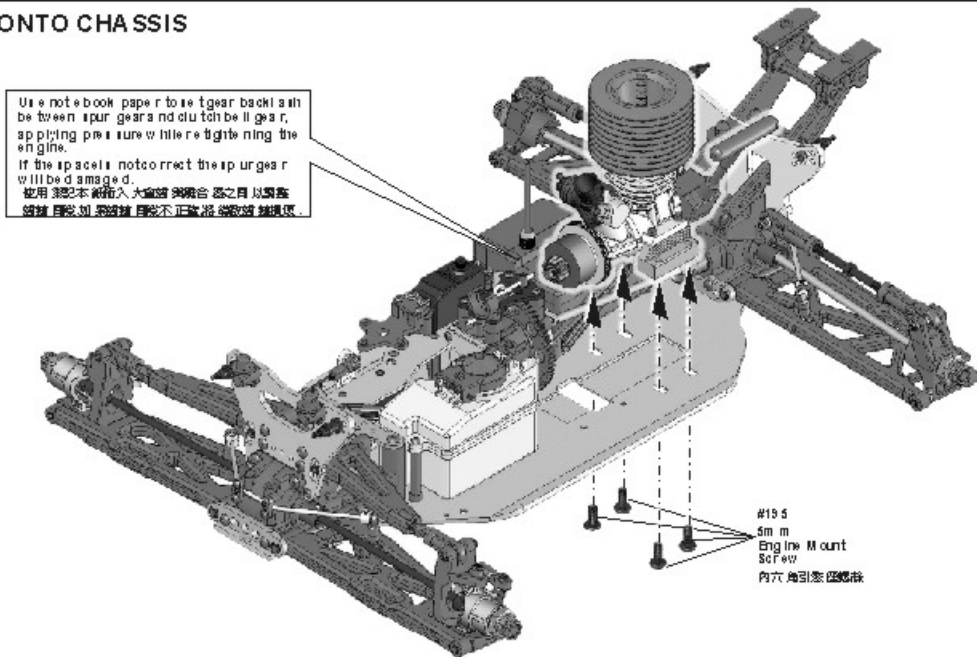
#### 引擎組合至底盤



Loosen/tighten 5x12mm cap screw and 5x10mm engine mount screw to align spur gear and clutch bell gear to 90 degree.  
鬆緊底盤內六角螺絲以確保齒輪垂直。



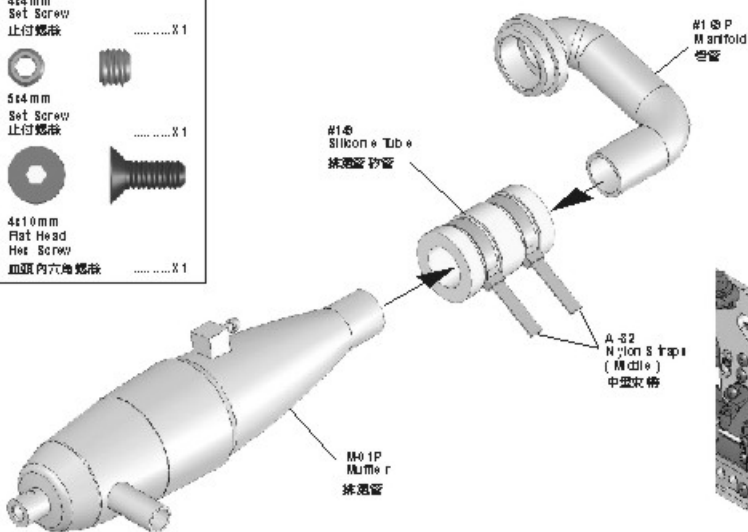
#19.5  
5m x 10mm  
Engine Mount  
Screw  
內六角引擎座螺絲 .....X4



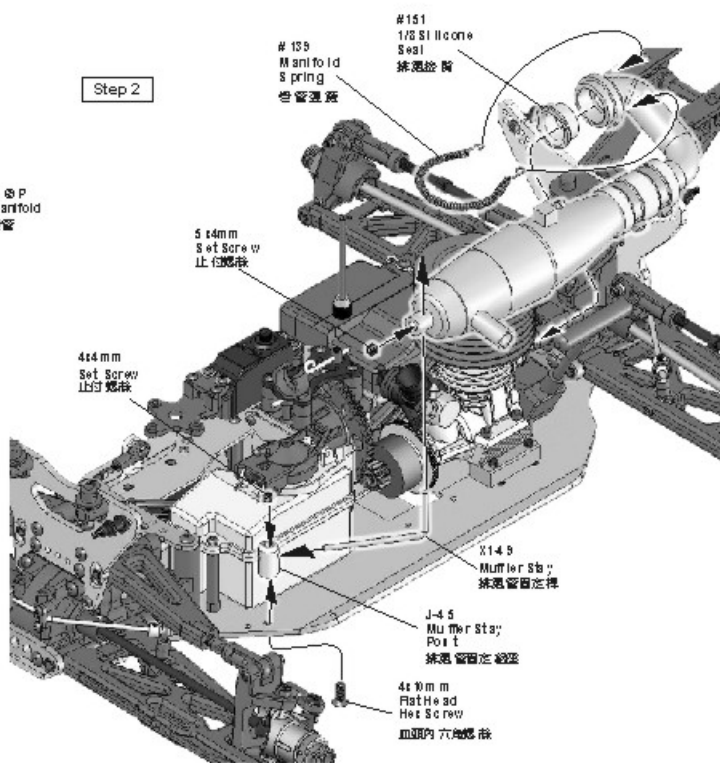
### 39 ASSEMBLY OF THE MANIFOLD AND MUFFLER

#### 排氣管與響管組合

Step 1



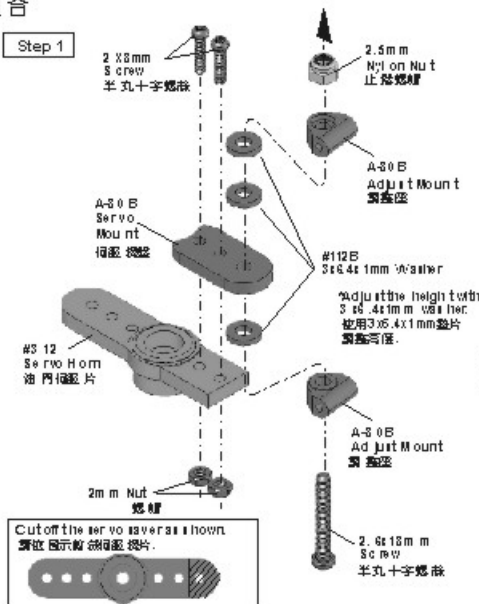
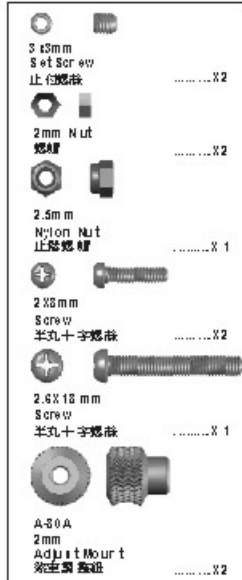
Step 2



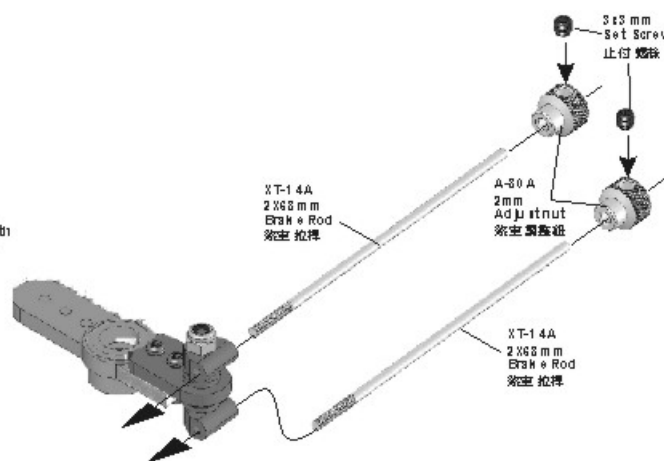
### 40 ASSEMBLY OF THE THROTTLE LINKAGE

#### 油門伺服器與煞車調整組組合

Step 1



Step 2









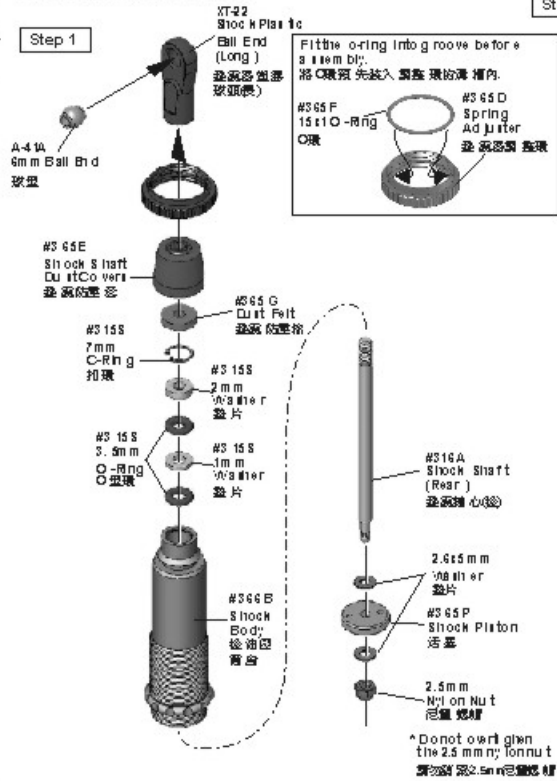
## 44 ASSEMBLY OF THE REAR SHOCKS

### 後避震器組合

\* Assemble 2 Shocks for the rear.  
組合2支後避震器

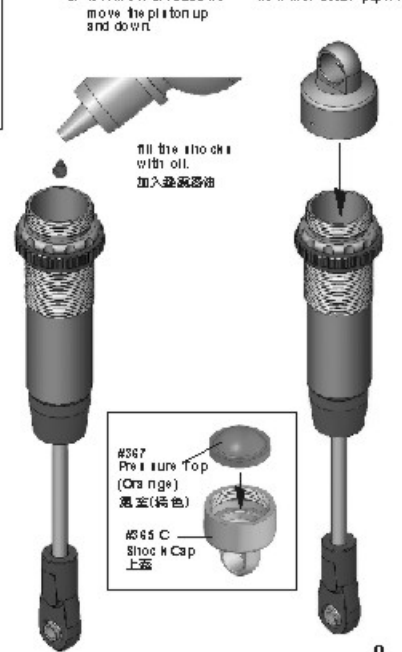
Step 1

- 2.5mm Nylon Nut .....X2
- #315S 3mm O-Ring .....X4
- #315S 7mm O-Ring .....X2
- #315S 1mm Washer .....X2
- #315S 2mm Washer .....X2
- #315S 3mm Washer .....X4
- A-41A 6mm Ball End .....X2
- 2.6x5mm Washer .....X4
- #315S 7mm C-Ring .....X2

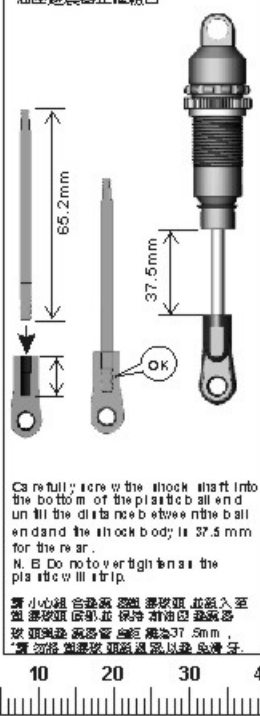


Step 2

1. Pull down piston and pour oil into the shock cylinder.
2. To remove all bubbles move the piston up and down.
3. With the piston down, attach pressure top and clean oil over top with tissue paper.



### CORRECT SHOCK ASSEMBLY



## 45 ASSEMBLY OF THE FRONT AND REAR SHOCKS

### 前後避震器組合

\* Assemble 2 Sets for Front  
組合2支前避震器

\* Assemble 2 Sets for Rear  
組合2支後避震器



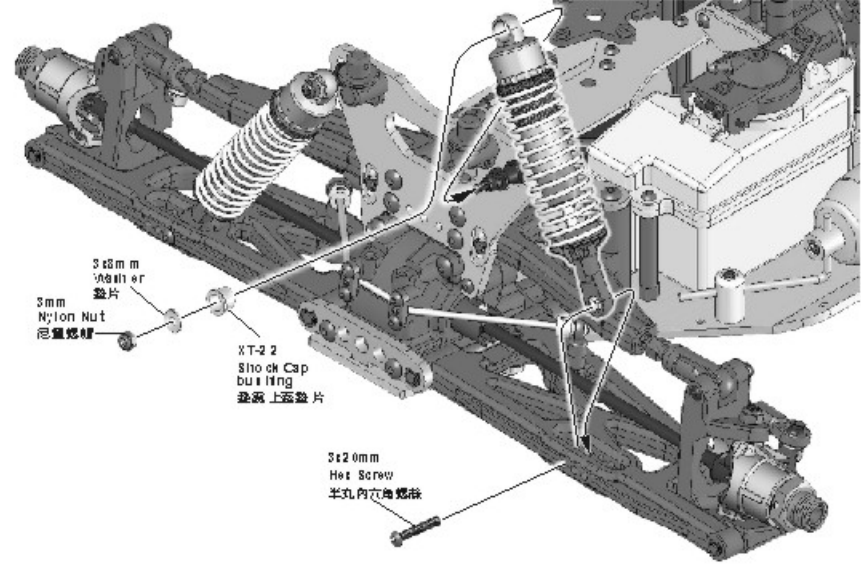
## 46 ASSEMBLY OF THE FRONT SHOCKS ONTO SHOCK STAY

### 前避震器與油壓壓架組合

Assembly both right and left side.  
需組合左/右兩側

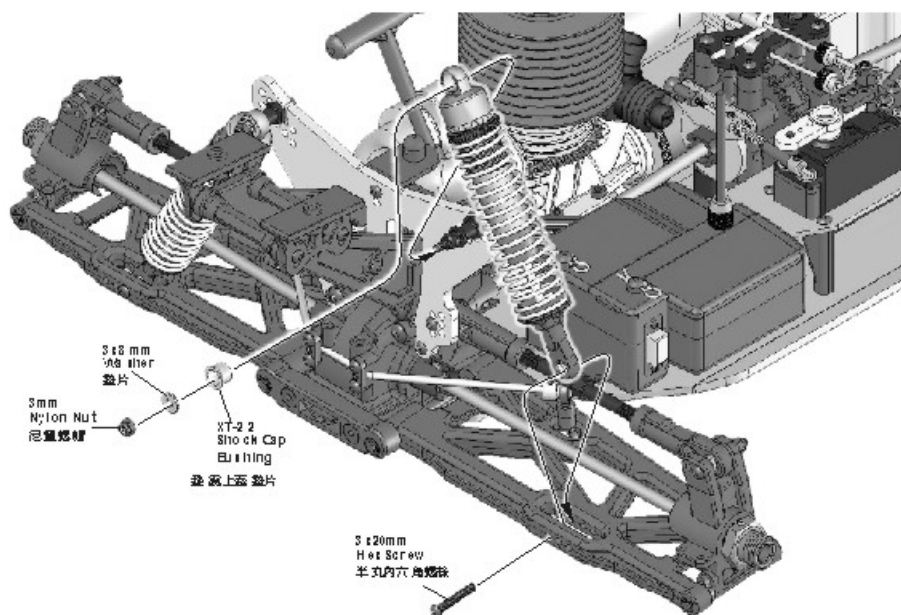
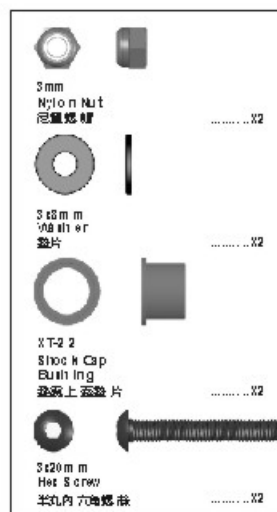
Assembly both left and right hand side.  
需組合左/右兩側相向。

- 3mm Nylon Nut .....X2
- 3x8mm Washer .....X2
- XT-22 Shock Cap Bushing .....X2
- 3x20mm Hex Screw .....X2

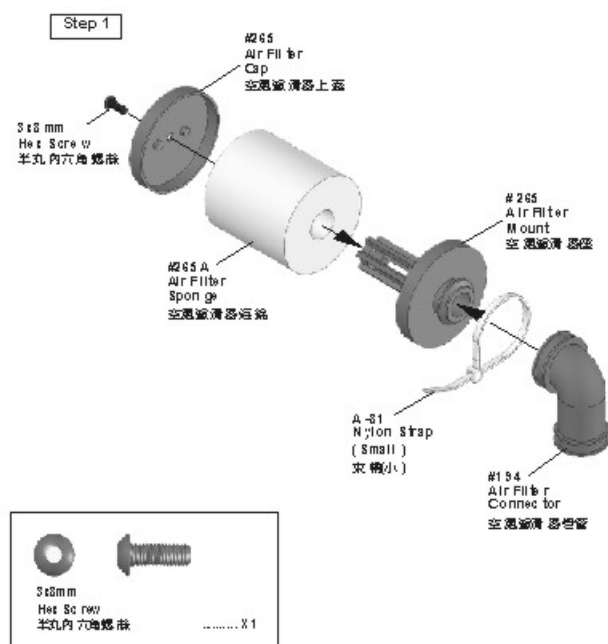


## 47 ASSEMBLY OF THE REAR SHOCK ABSORBER 後避震器與油壓架組合

Assembly both left and right hand side.  
請組合左/右兩側相同。

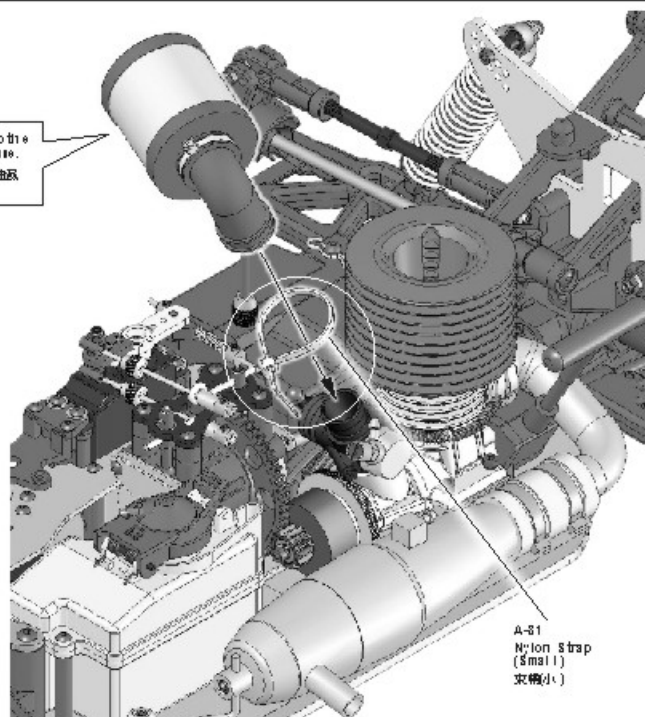


## 48 ASSEMBLY OF THE AIR FILTER 空氣濾清器組合

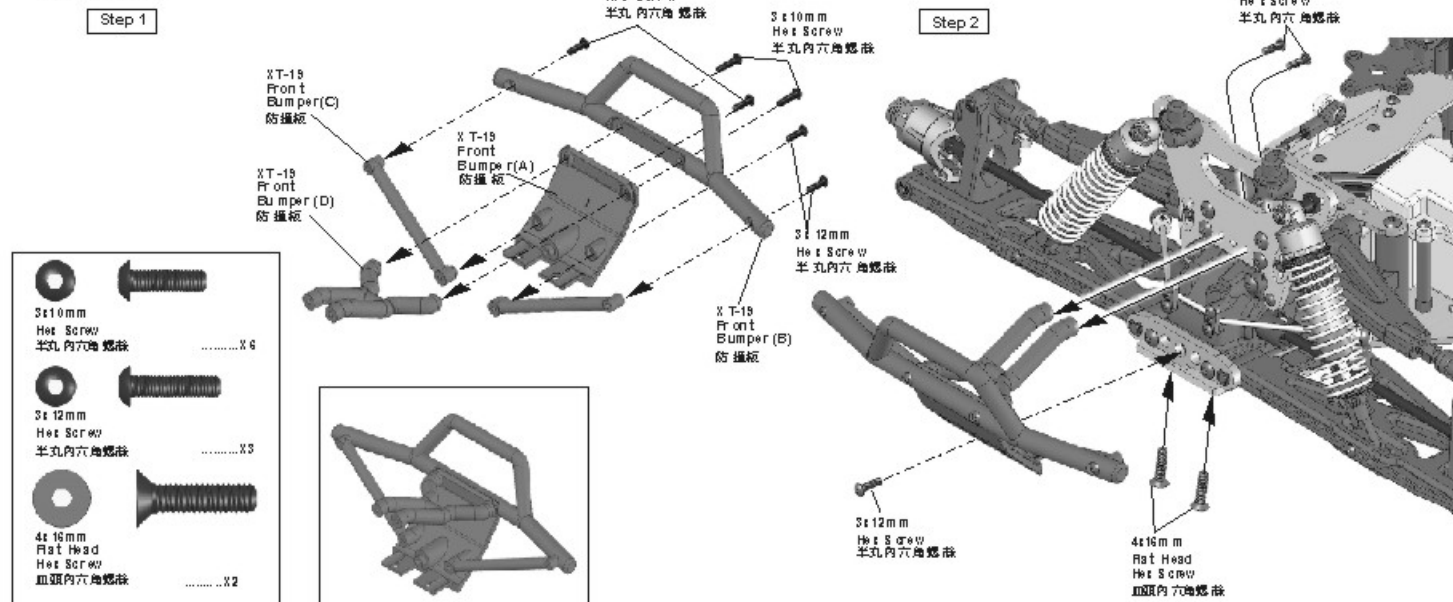


**Step 2**

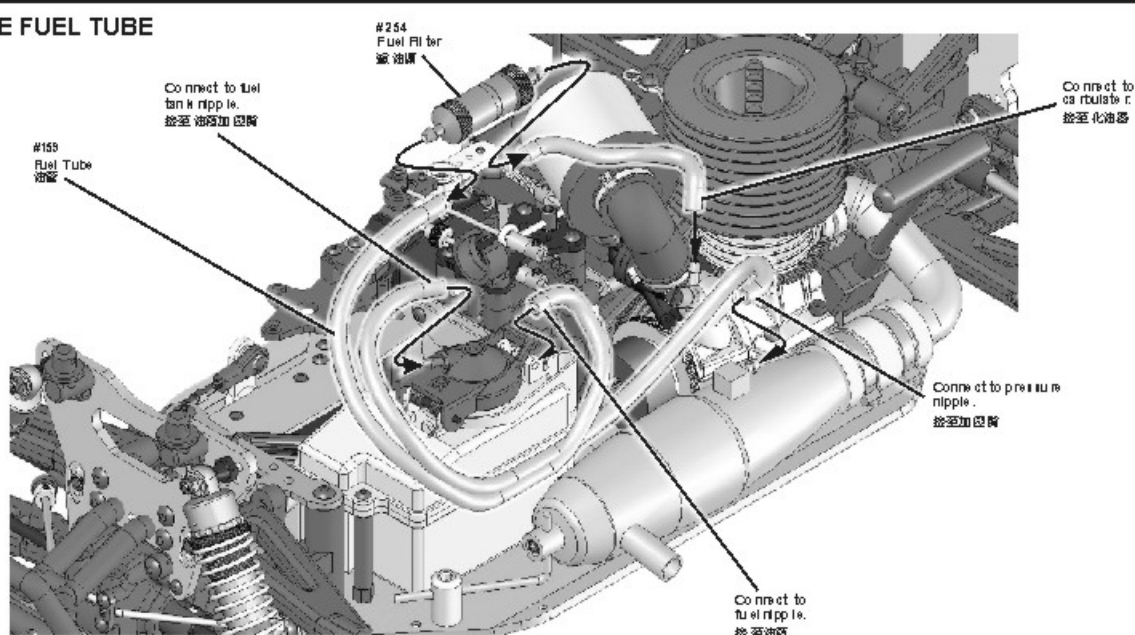
Apply filter oil to the sponge before use.  
請先使用濾清器油潤滑空氣濾清器。



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



**50 ASSEMBLY OF THE FUEL TUBE**  
油管組合



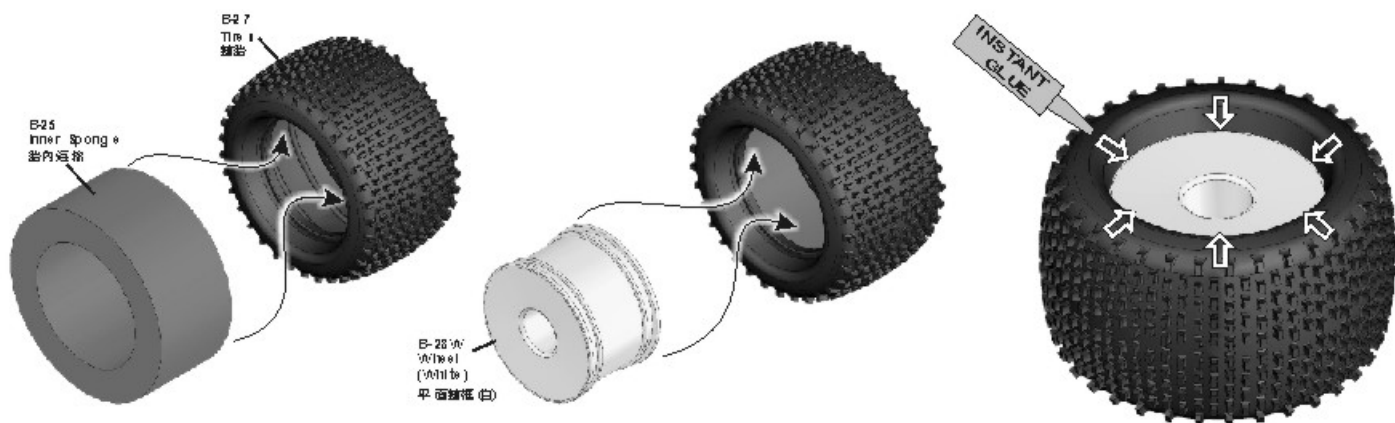
**51 ASSEMBLY OF THE TIRES AND WHEELS**  
輪胎與輪圈組合

Step 1

Step 2

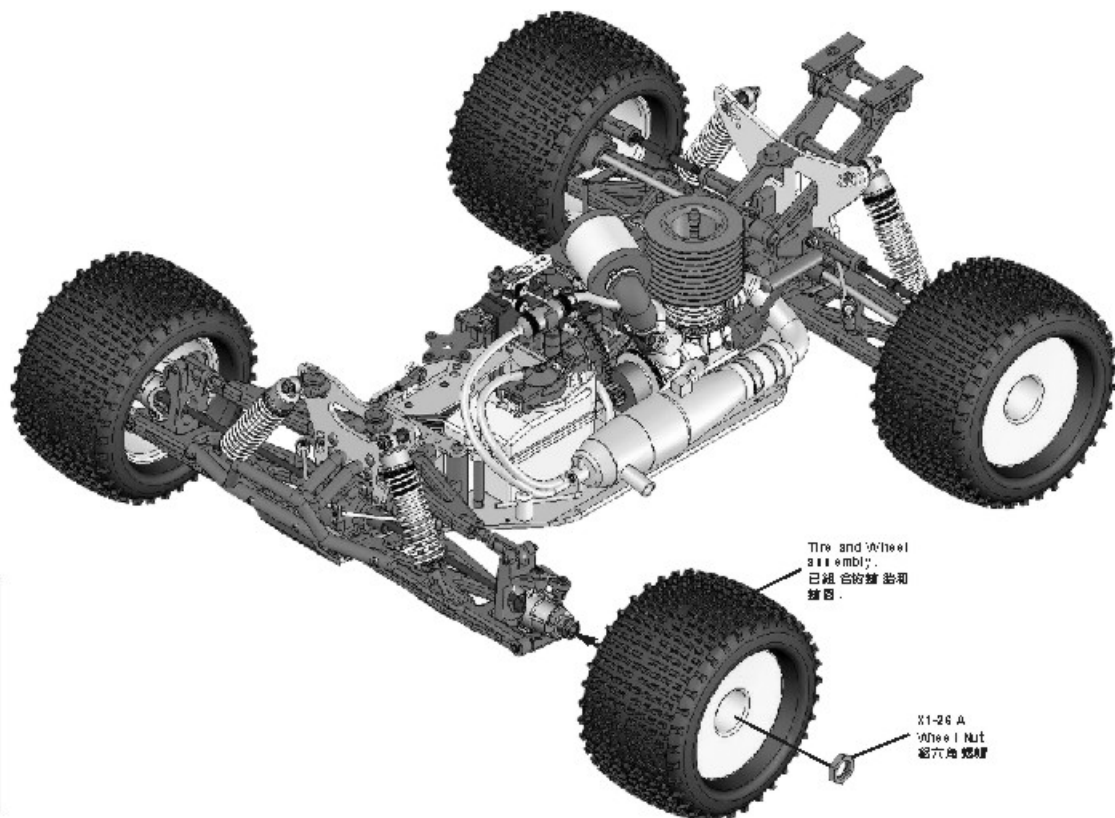
Step 3

Apply Instant glue into the groove of the wheel.  
將瞬間膠塗於輪圈凹槽處，用棉質墨水沾合。



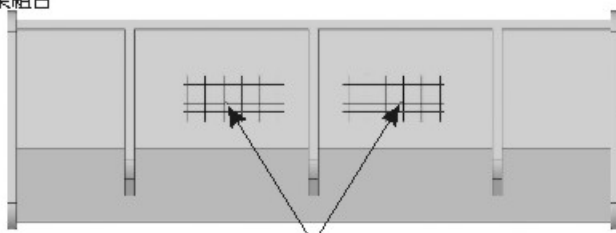
**52 ASSEMBLY OF THE TIRE ONTO FRONT KNUCKLE AND REAR HUB**  
安裝輪胎至車體

Assembly both left and right hand side.  
需組合左/右兩側相同。

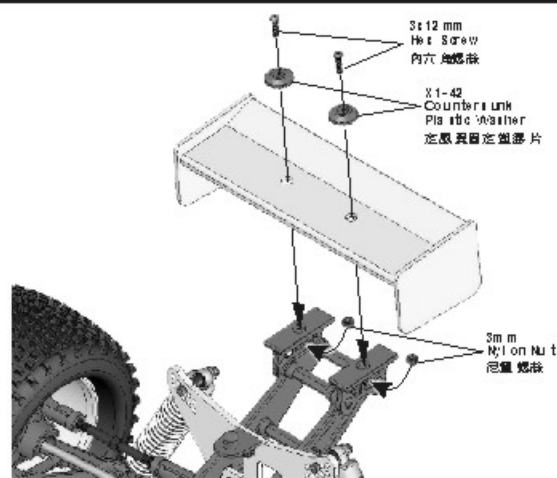


X1-26 A Wheel Nut  
黏六角螺帽 ..... X4

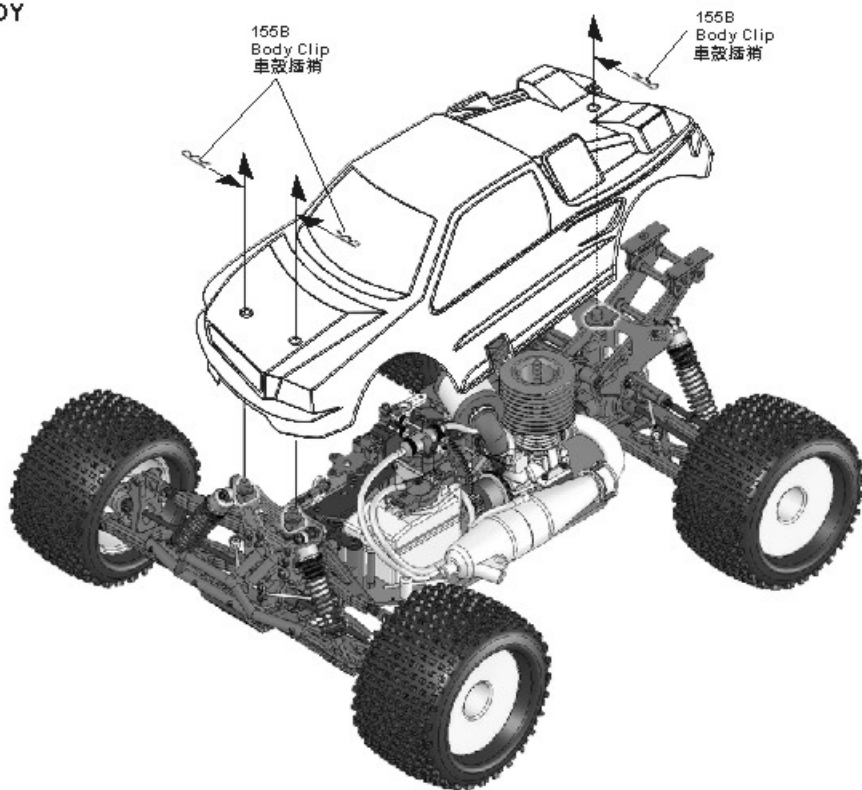
### 53 ASSEMBLY OF THE WING 定風翼架組合



X T-2 1W Wing (white)  
定風翼 (白色)



### 54 MOUNTING BODY 組合車殼



155B Body Clip  
車殼插梢

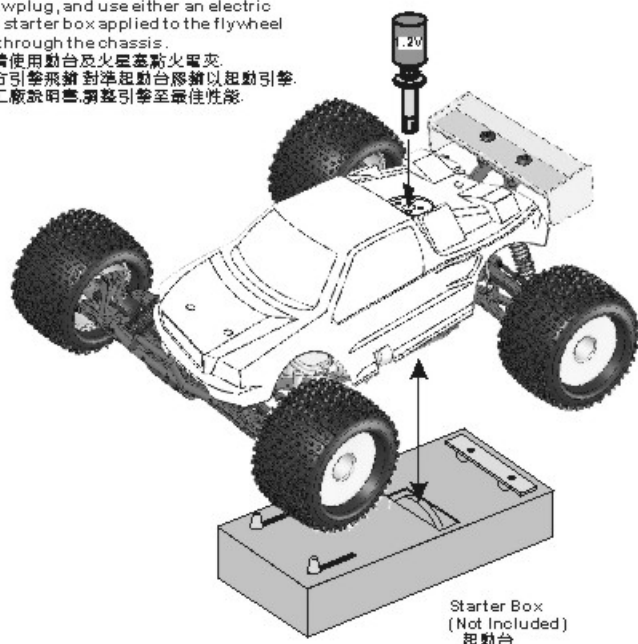
155B Body Clip  
車殼插梢

### 55 STARTING OF THE ENGINE 起動引擎

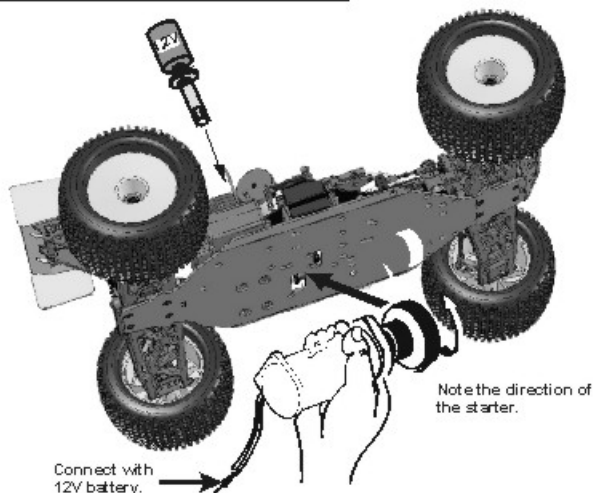
1. Turn on transmitter and then receiver.
2. Fill fuel tank with fuel bottle.
3. Connect 1.2V glowplug starter.
4. Start engine with 1.2V starter.  
(Note the direction of the starter.)
5. After the engine be started, remove the 1.2V glowplug starter.

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1.2V起動器, 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。

\*To start the car, attach a glowplug igniter to the glowplug, and use either an electric starter or starter box applied to the flywheel exposed through the chassis.  
起動引擎請使用點台及火星塞點火電夾, 將點台下方引擎飛輪對準點台移接以起動引擎, 依據引擎工廠說明書調整引擎至最佳性能。



Starter Box  
(Not Included)  
起動台



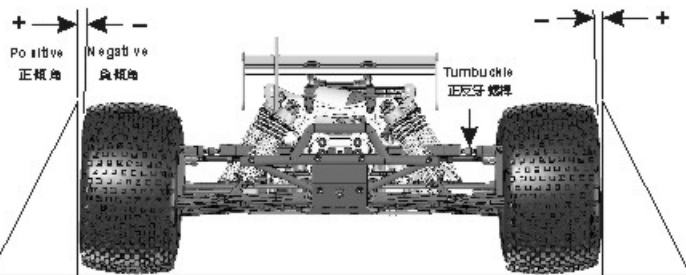
Note the direction of the starter.

\* 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。

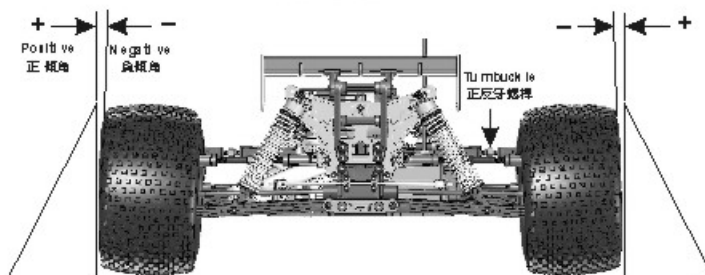
# SETTING GUIDE 輪胎角度設定

## FRONT CAMBER ANGLE SETTING 前胎傾角調整



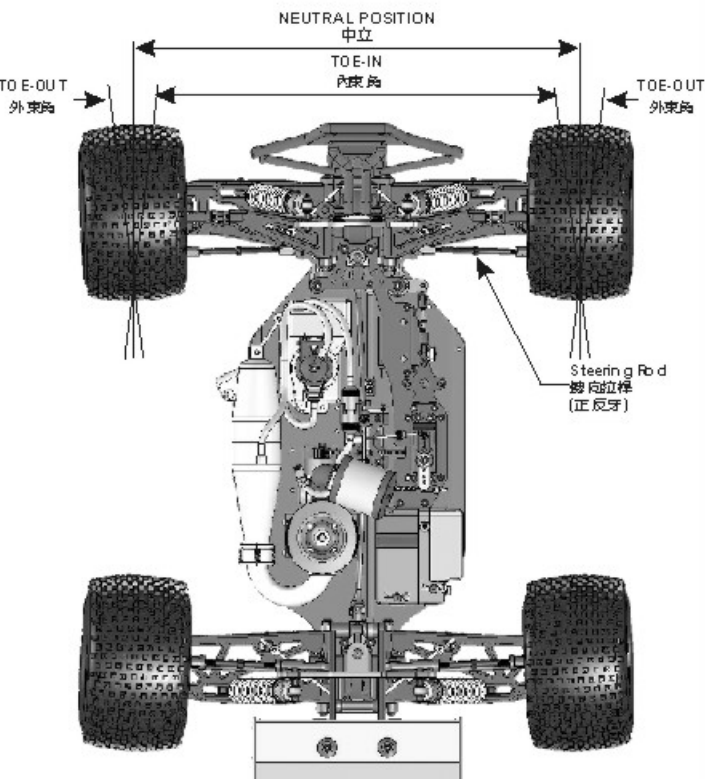
Place the model car on flat surface. Raise the chassis to it's maximum clearance before the wheels leave the ground.  
Adjust the length of the front and rear upper arms so that the wheels are right angle to the ground.  
The camber angle adjustment can be moving the turnbuckle rod on the upper arms, clockwise or anti-clockwise.  
**(We suggest use zero degree for the front and 15 negative degree for the rear.)**

## REAR CAMBER ANGLE SETTING 後胎傾角調整



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

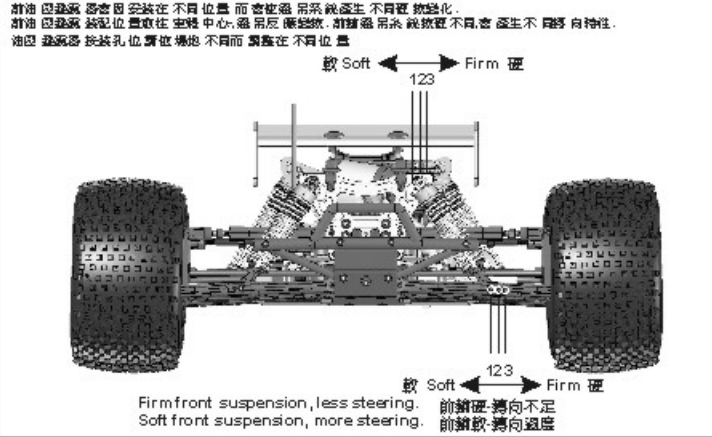
## FRONT TOE-IN AND TOE-OUT SETTING 前輪內束角/外束角調整



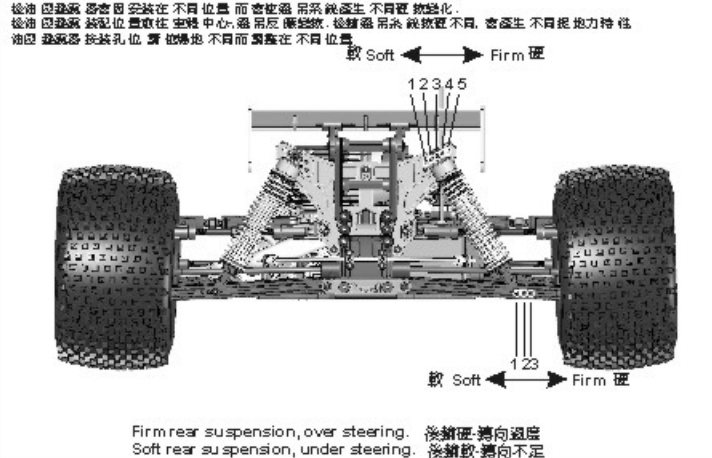
Adjust the length of front steering rod to change the toe angle.  
Making the steering rod longer will make the front tires become toe-in. Response will be slower and will oversteer.  
Making the steering rod shorter will make the front tires become toe-out. Response will be quicker and will understeer.

改變前輪轉向拉桿之長度可以改變前輪“內束角”與“外束角”。  
1. 將前輪轉向拉桿加長，前輪會變成內束角。此輪轉向反應會變慢，並且容易有過度轉向情形產生。  
2. 將前輪轉向拉桿縮短，前輪會變成外束角。此輪轉向反應會變快，並且容易有不足轉向情形產生。

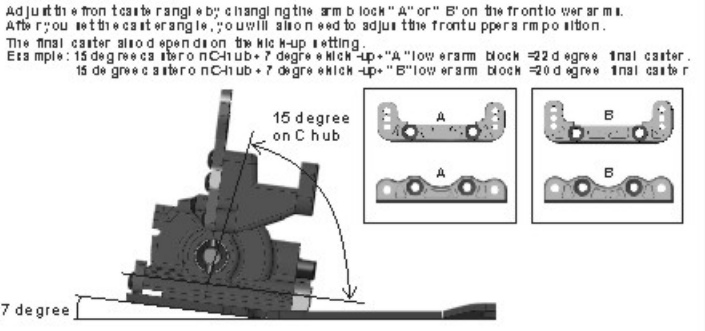
## FRONT SHOCK ANGLE SETTING 前油壓避震器角度調整



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

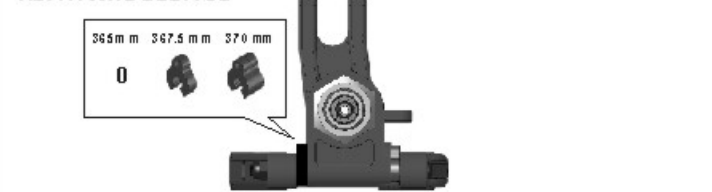


## CASTER ANGLE



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

## REAR WHEELBASE



Adjust the wheel base by using the spacer on either side of the rear upright (at the bottom pin).  
**IMPORTANT!** Make sure equal distance on both left and right side of the car.

**Shorter wheelbase**  
Less space in front of the rear upright  
- Increase rearward weight transfer during acceleration  
- Increase on-power traction  
- quicker off-power steering into corner.  
- tight bend; top up on-power at corner exit  
- increase steering response.  
- better on tighter, more technical tracks.

**Longer wheelbase**  
More space in front of the rear upright.  
- decrease off-power steering into sharp corners.  
- increase stability.  
- better in tight steering reaction (off-power)  
- improve on-power steering accuracy  
- better handling over bumps and ruts.  
- better on more open tracks with light speed corner.



# X1-CRT Set-Up Sheet

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

Track \_\_\_\_\_

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

<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

## Front Suspension

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

Shock Piston:  Standard  Drilled

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

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

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

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

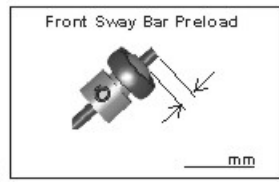
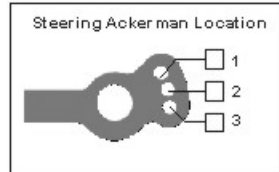
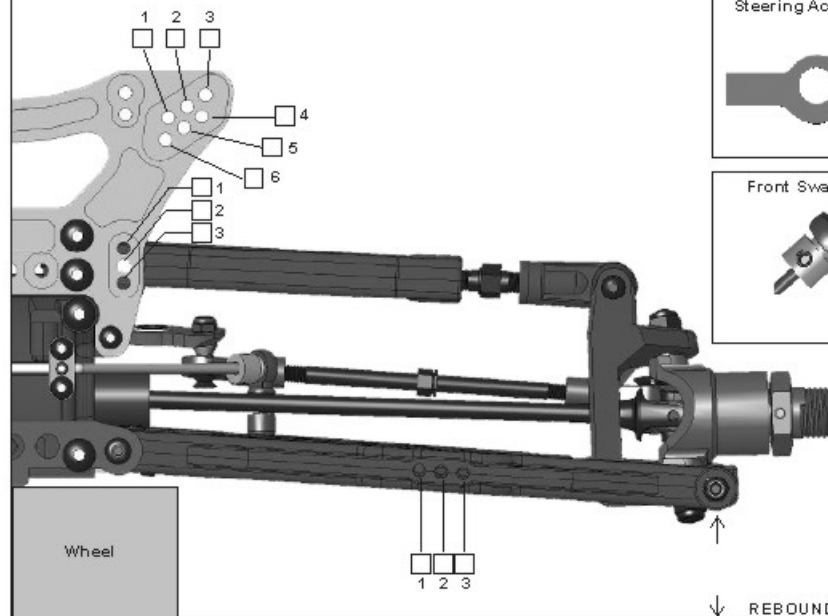
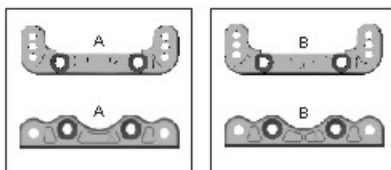
Front Ride Height: \_\_\_\_\_ mm

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

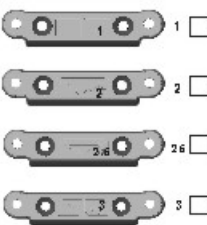
Sway Bar:  2.3mm  2.5mm  2.8mm  
 \_\_\_\_\_  None

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

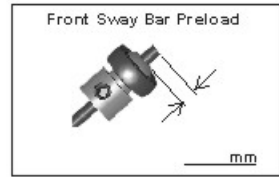
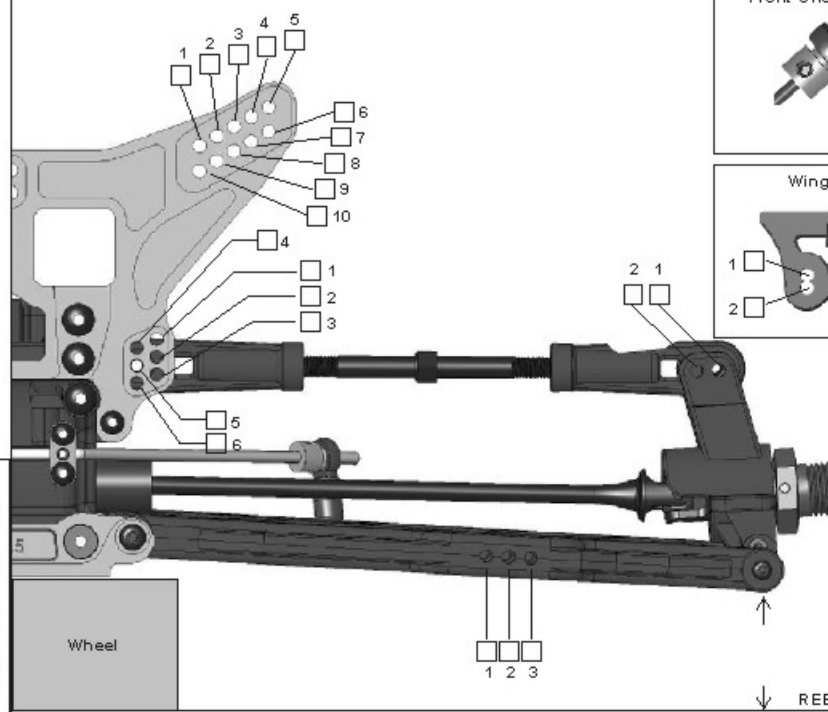
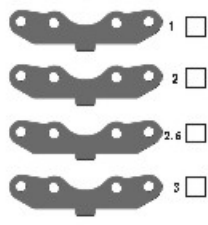
Pos \_\_\_\_\_

Rear Hub/Wheelbase:  Forward  Middle  
 Back

Rear Toe-In Plate



Anti-Squat Plate



Notes \_\_\_\_\_

## 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: \_\_\_\_\_

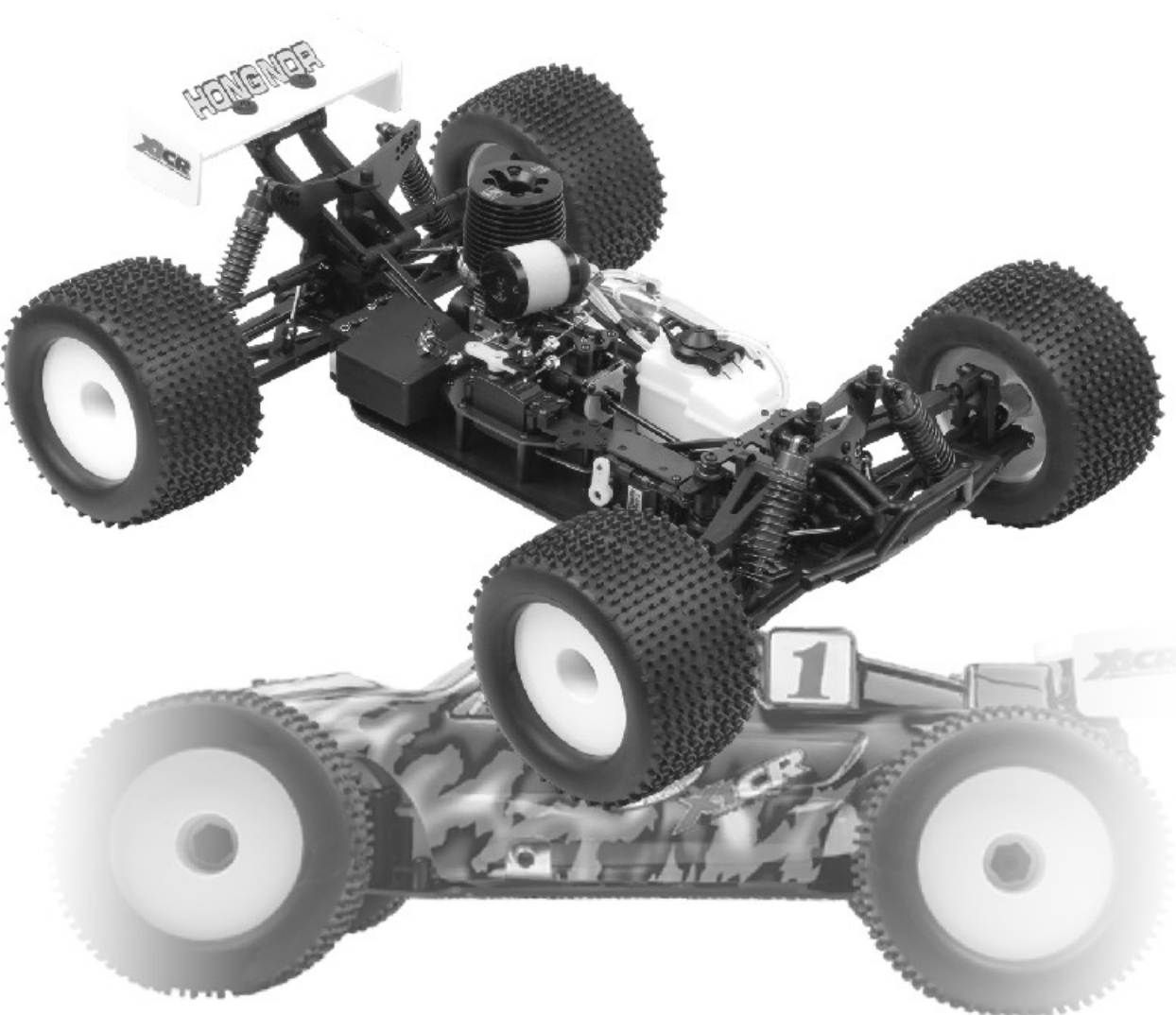
Clutch Shoes:

- 2 Shoes
- 3 Shoes
- 4 Shoes



# XICRT

READY-TO-RIP



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