

X1CR PRO

COMPETITION RACER



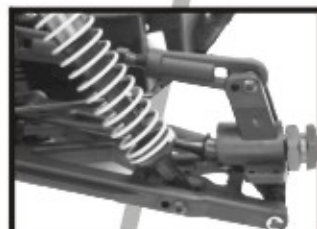
A PERFORMANCE 1/8 SCALE OFF-ROAD BUGGY

INSTRUCTION MANUAL

組立說明書
(職業版)

INCLUDED:
包含配備:

- X1 S-01 7075 CNC Chassis (Hard-Coated) 底盤(硬膜)
- X1-07H Servo Saver Connecting Plate (Hard-Coated) 緩衝組連接板(硬膜)
- X1-08H 7075 Alum. Front Lower Arm Holder (Hard-Coated) 鋁前下擺臂固定座(硬膜)
- X1-09H 7075 Alum. Rear Lower Arm Holder (Hard-Coated) 鋁後下擺臂固定座(硬膜)
- X1-10H Servo Saver Alum. Tube (Hard-Coated) 緩衝組鋁柱(硬膜)
- X1 S-03 7075 CNC 4mm Rear Shock Stay (Hard-Coated) 後油壓架(硬膜)
- X1 S-04 Graphite Radio Tray 碳纖二樓板
- X1 S-05 Graphite Front Plate 碳纖三角板
- X1 S-06 Graphite Center Diff. Mount Plate 碳纖中差板
- X1 S-07 CNC Alum. Steering Knuckle Arm-L&R (Hard-coated) 鋁轉向座-左&右(硬膜)
- X1 S-08 Universal Joint, (Rear) 聯結式傳動軸(後)
- X1 S-09 Universal Joint (Center/F&R) 聯結式中央傳動軸(前&後)
- X1 S-10 35mm 3Pin Flywheel 3片式飛輪
- X1 S-11 Low Adjustable Engine Mount (Hard-Coated) 低重心引擎座(硬膜)
- X1 S-13 CNC Rear Toe-in Plate-3 (Hard-Coated) 後Toe-in板-3(硬膜)
- X1 S-15 CNC Center Chassis Brace (F&R) (Hard-Coated) 中央補強桿(前&後)(硬膜)
- X1 S-16 CNC "Z" Brace (Hard-Coated) Z型補強桿(硬膜)



ADDITIONAL PARTS NEEDED

- GLOW PLUG CROSS WRENCH.
- RC CAR FUEL (20%)
- RECHARGEABLE GLOW NITOR.
- STARTER BOX OR STARTER.

需另購物件

- * 火星塞
- * 拆火星塞扳手
- * 擴型引擎用燃油
- * 可充電點火夾
- * 起動馬達或起動台

THIS IS NOT A TOY!

- DO NOT USE WITH CHILDREN YOUNGER THAN 16 YEARS.
- MODEL PAINTING IS NOT PARTS OF THIS KIT.
- PAINT IS NOT INCLUDED.

本產品非玩具

* 16歲以下或兒童請勿玩用。

HN
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,
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TEL: 886 2-2694-0345

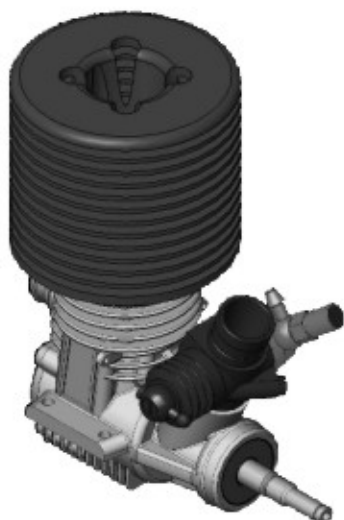
FAX: 886 2-2694-1632

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 PROTOTYPE AND MAY VERY SLIGHTLY FROM KIT. 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，請參照引擎工廠之手冊。

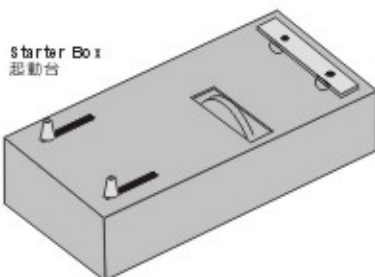
另購裝備



Glow Fuel
模型用煤油

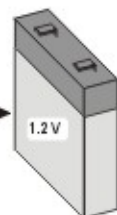


Fuel Bottle
加油瓶



Starter Box
起動台

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



or



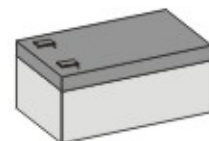
UM-3 Batteries
(12 pcs)
3號乾電池 (12 顆)



12V Starter With Ring
12V 起動器(附起動膠輪)



12V Battery for Starter
12V 電池(起動器用)



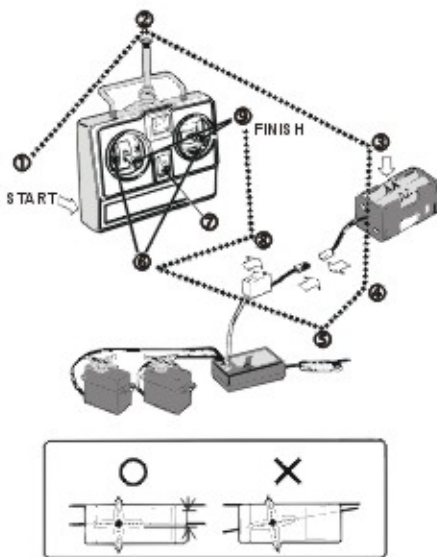
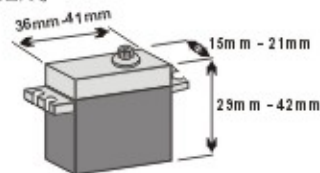
RADIO CONTROL UNIT 另購裝備

2 動作遙控器組



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.

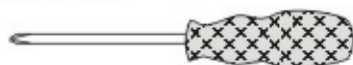
SEQUENCE TO SET NEUTRAL

遙控在組合前必須要設立中立點

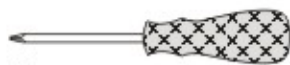
- | | |
|---|---------------------------------------|
| ① Install UM-3 batteries. | 裝入 3 號乾電池(發射器用) |
| ② Extend the antenna.(Transmitter) | 拉出天線 |
| ③ Install batteries. | 裝入 3 號乾電池盒(接收器用) |
| ④ After installing the battery, connect the battery box. | 連接電池盒至開關 |
| ⑤ Extend the antenna. (Receiver) | 拉長接收機天線 |
| ⑥ Set the trim-lever 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.) | 當選擇位於中立點時，伺服器必須在中央位置。(折下伺服器可推調整中立位置。) |
| 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

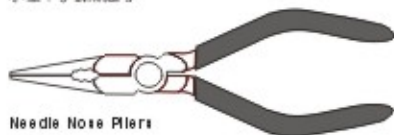
需使用之工具



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



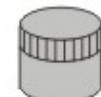
Instant Cement
3秒瞬間膠水



Marking Tape
紙膠帶



Paints
模型用油漆



INCLUDED WITH KIT

套件內裝備



Stock Oil
齒養器油



Diff. Oil
差速器油

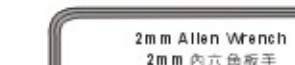
1000

3000

5000



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

- ◎閱讀引擎製造商說明書。
- 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 manufacture instruction manual.

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 when 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 Failsafe.
- ⊙ 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 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。



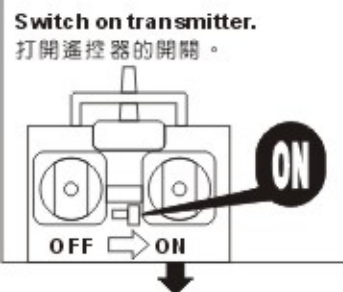
Fully extend transmitter antenna.

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）。



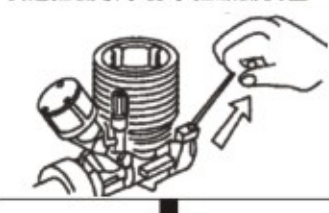
Attach one clip to the glow plug's end and the other clip to one of the cylinder cooling fins.

使用一個啟動火星塞用電夾，一端夾住火星塞，一端夾住散熱矽片。



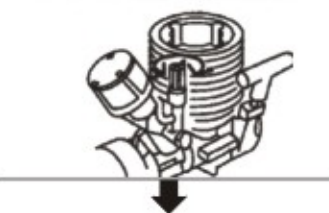
Quickly pull the starter rope (to start the engine).

快速拉動引擎的手拉啟動裝置。



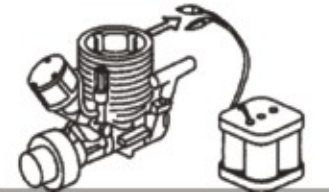
Adjust by screwing the needle little by little.

以順時針方向逐漸地微調油針。



Remove the clips from the engine.

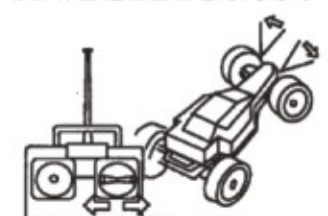
移去起動火星塞電夾。



操作時 While Running

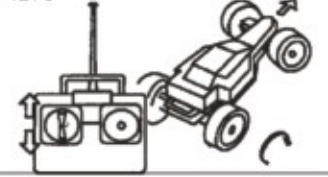
Check that the model turns in proportion to the amount you move the steering control of the transmitter.

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。



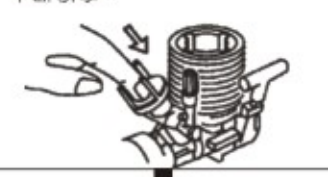
Check that the speed of the model changes in proportion to the amount you move the speed control of the transmitter.

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。



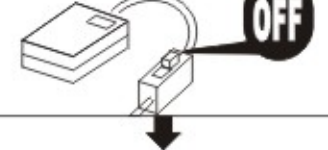
操作後 After Running

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



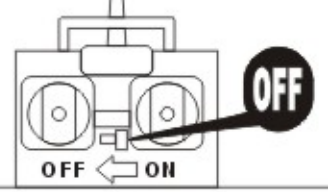
Switch off receiver.

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！



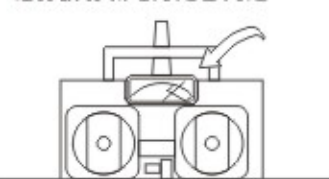
If model does not operate correctly stop it and find the cause.

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。



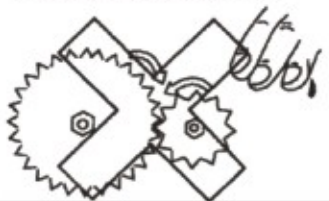
After each run, the model is hot. Beware of getting burned.

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。



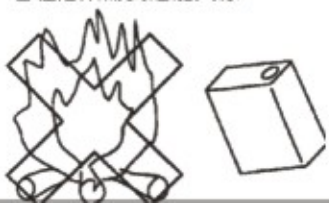
Keep hands and tools away from moving parts.

勿用手碰觸運轉中的零件。



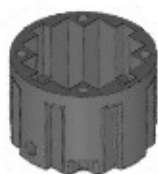
Never throw burning, gleaming or smouldering things into fuel cans even if these happen to be empty. This is very dangerous to life!!

各種油類需要遠離火源。



PLASTIC PARTS FOR USE

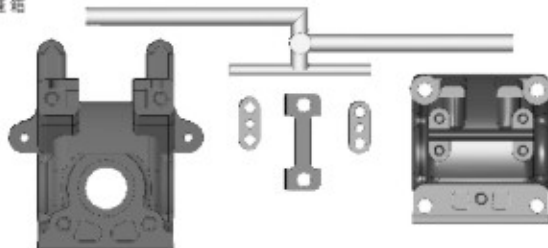
X1-38
DIFF. CASE
差速器殼



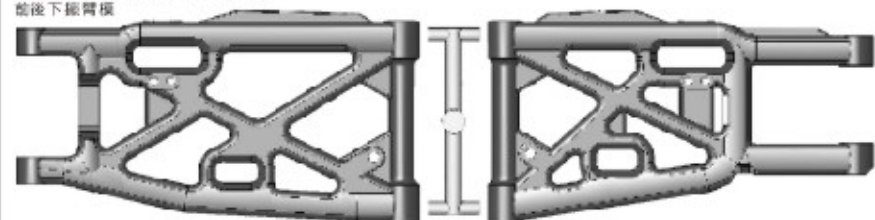
X1-36
FRONT HUB
C型座



X1-33
FRONT AND REAR GEAR BOX
差速箱



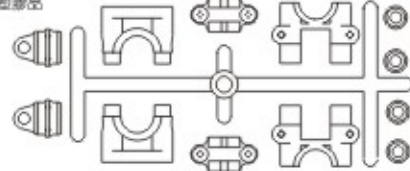
X1-35
FRONT AND REAR LOWER ARM
前後下擺臂模



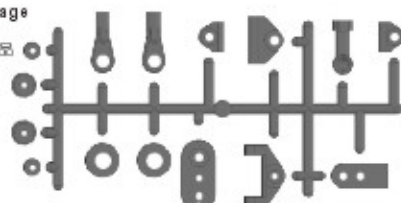
X-37
FRONT UPPER ARM
前上擺臂模



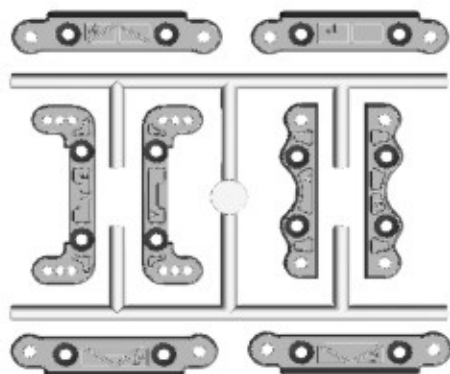
J-36
CENTER DIFF. MOUNT PLASTIC PARTS
中差座塑膠品



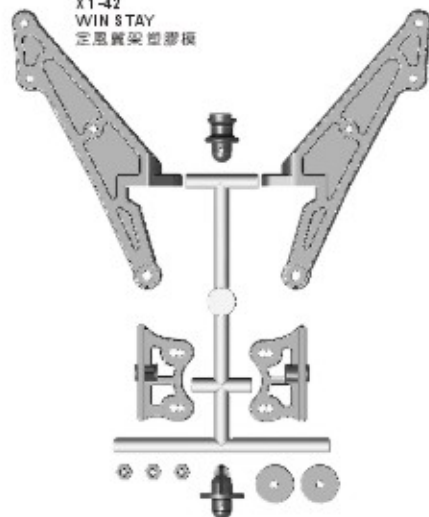
A-80 B
Throttle Linkage
Plastic
油門拉桿塑膠品



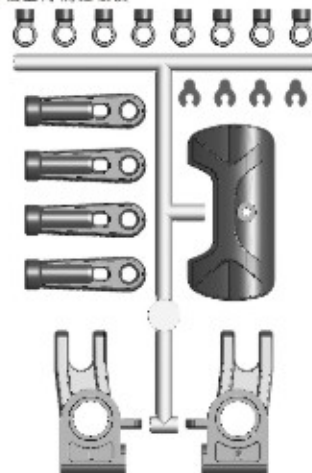
X1-34
ARM HOLDER
擺臂固定座模



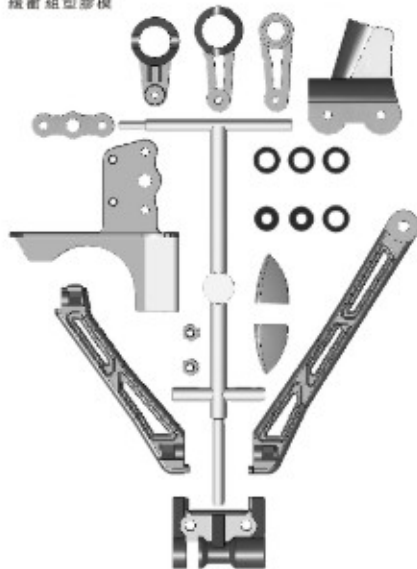
X1-42
WIN STAY
正風翼架塑膠模



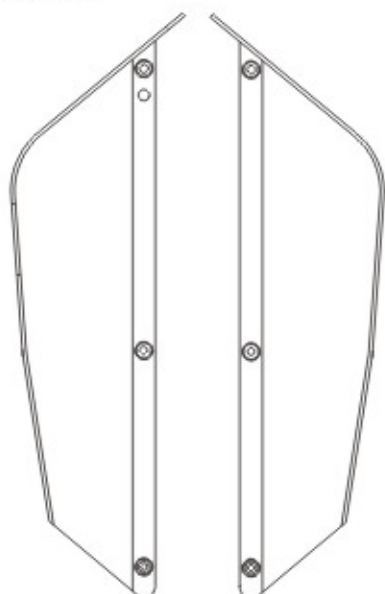
X1-40
REAR UPPER RIGHT/FRONT BUMPER
後輪座/後上臂/防撞板模



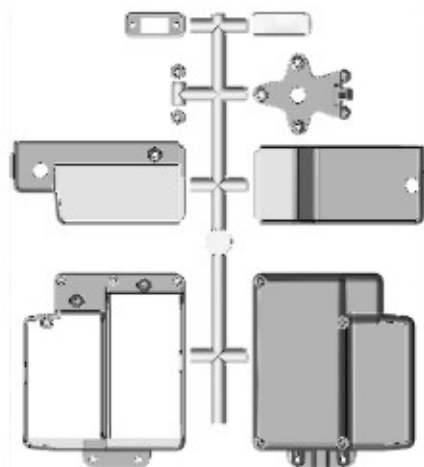
X1-39
SERVO SAVER
緩衝組塑膠模



J-41
STONE GUARD PLASTIC PARTS
防撞板塑膠品



X1-41
RECEIVER BOX
防水盒塑膠模



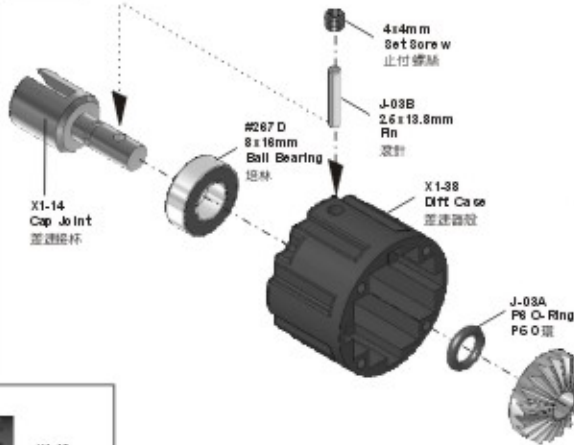
1 ASSEMBLY OF THE FRONT AND REAR DIFF.

前後差速齒輪組合

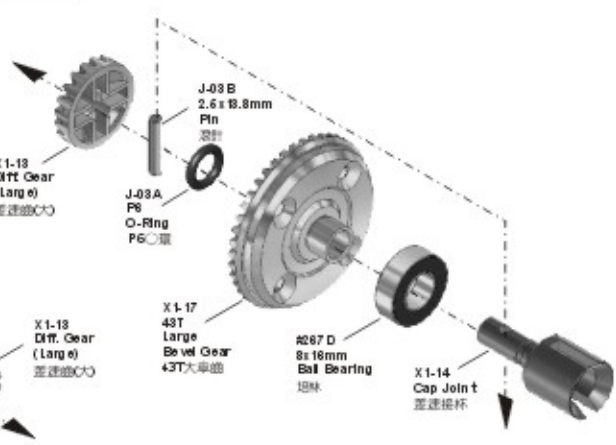
Build 2 differentials for front and rear.
請組合兩個差速器為前後使用。



Step 1

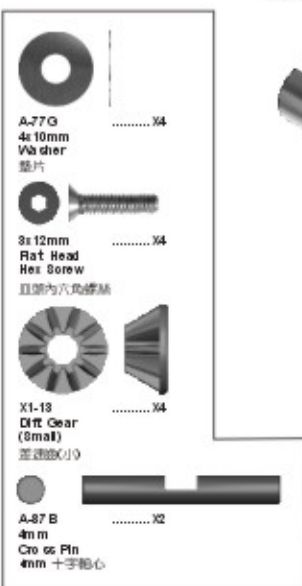


Step 2

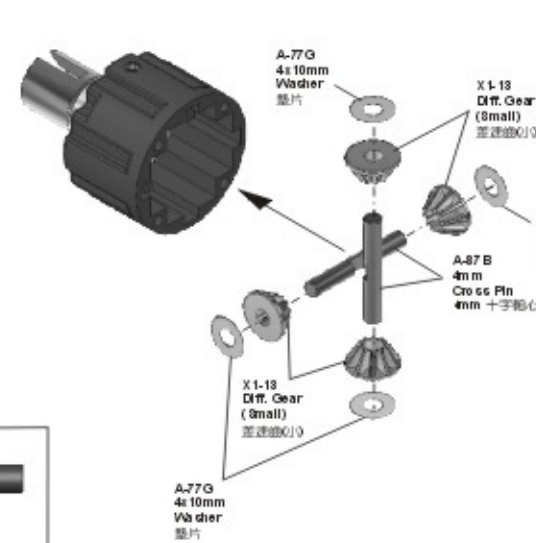


2 ASSEMBLY OF THE FRONT AND REAR DIFF.

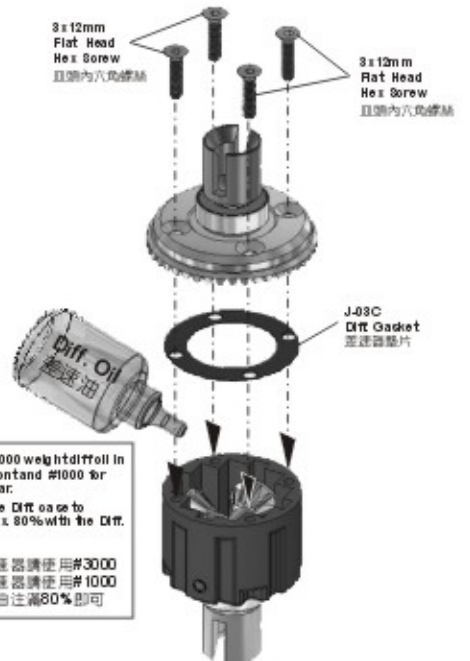
前後差速齒輪組合



Step 1

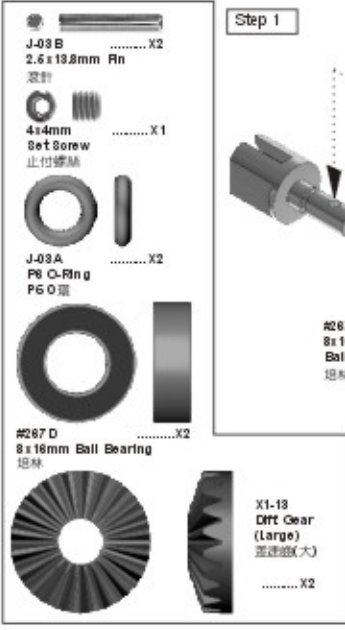


Step 2

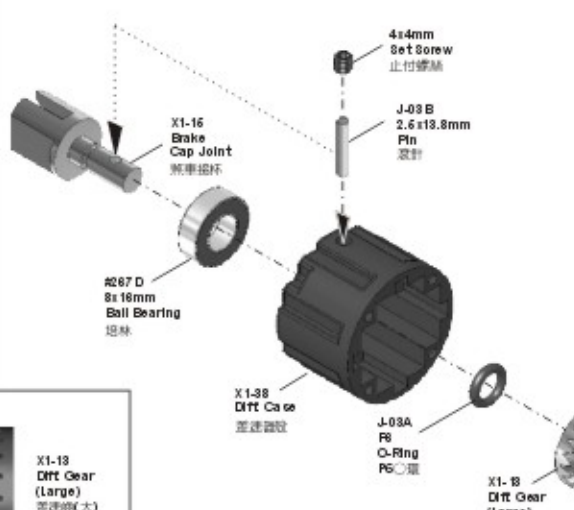


3 ASSEMBLY OF THE CENTER DIFF.

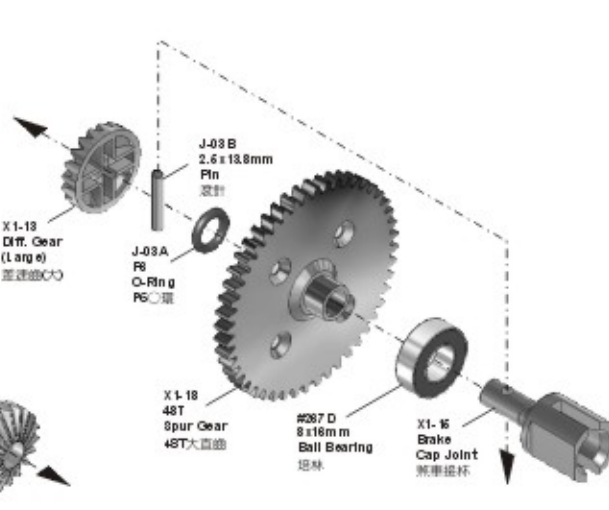
中央差速齒輪組合



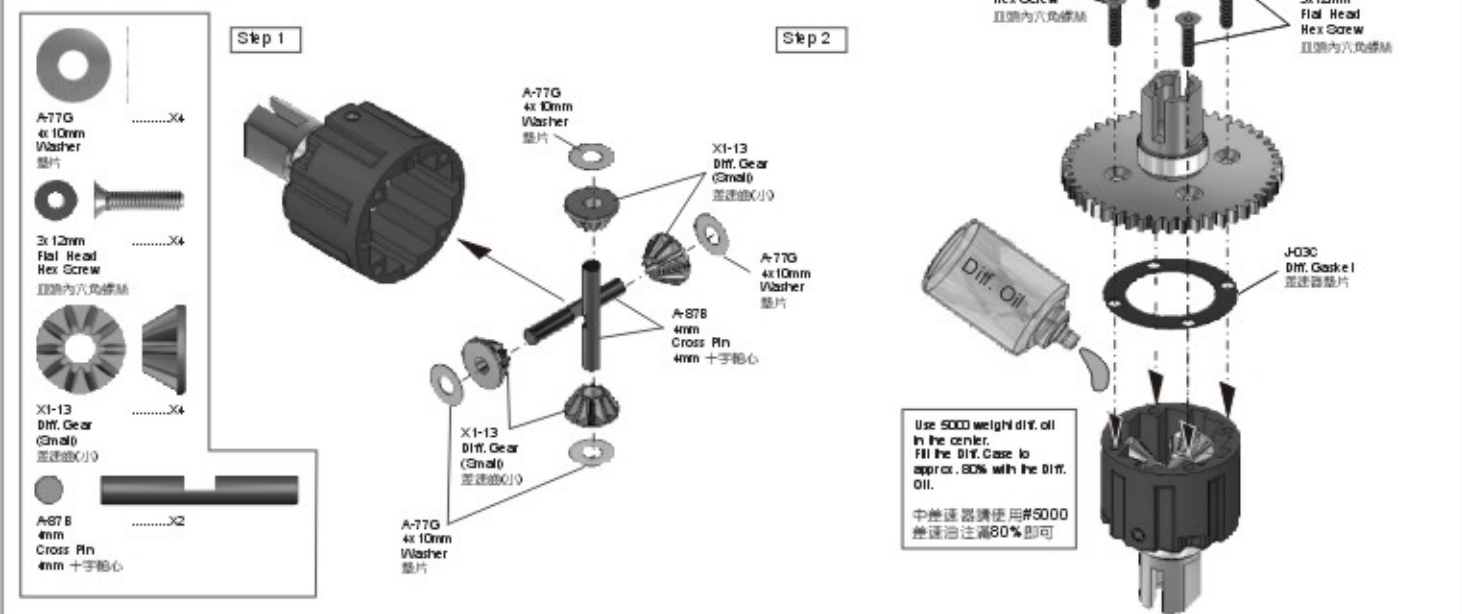
Step 1



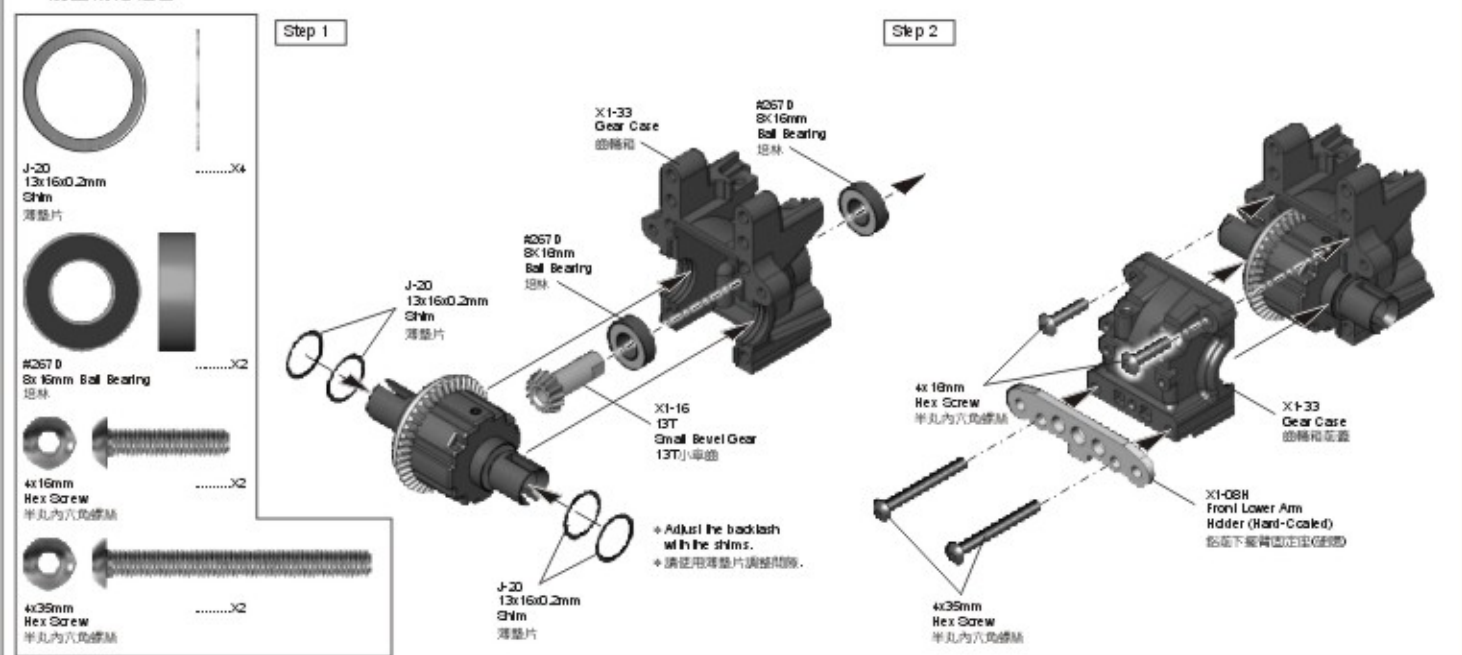
Step 2



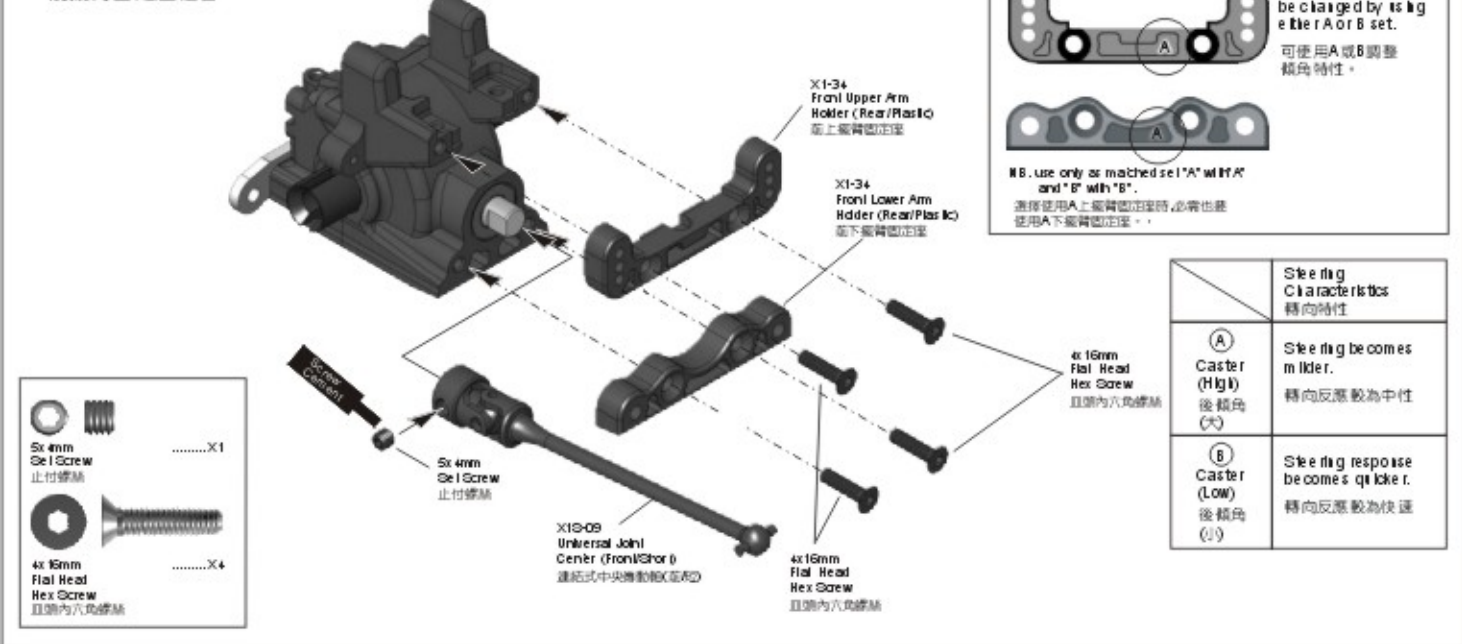
4 ASSEMBLY OF THE CENTER DIFF. 中央差速齒輪組合



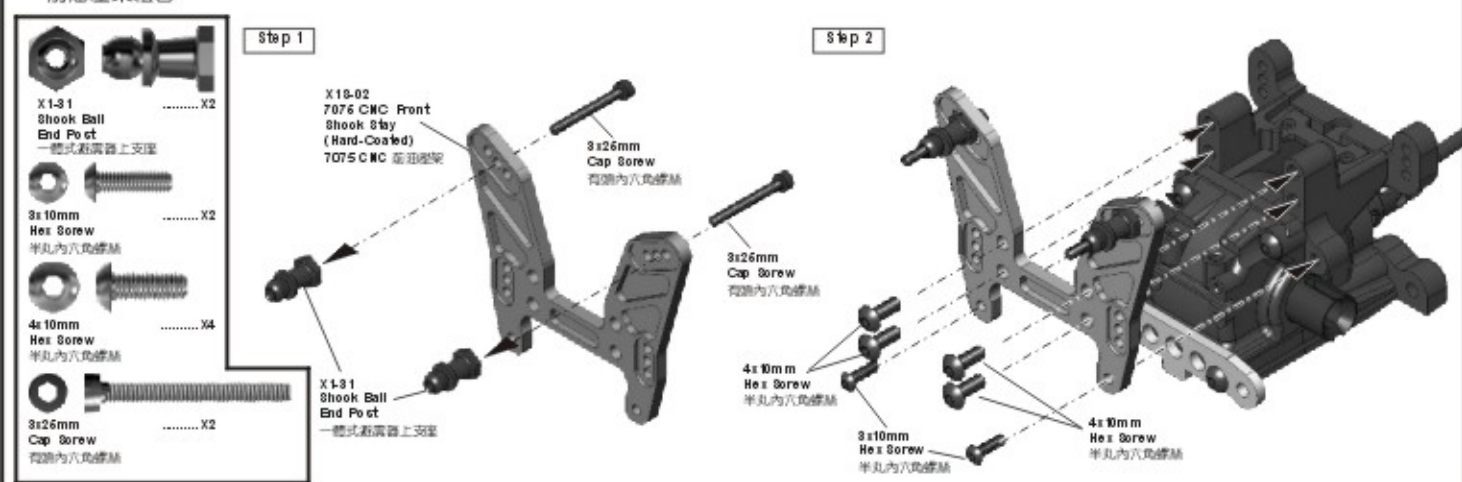
5 ASSEMBLY OF THE FRONT GEAR CASE 前齒箱組合



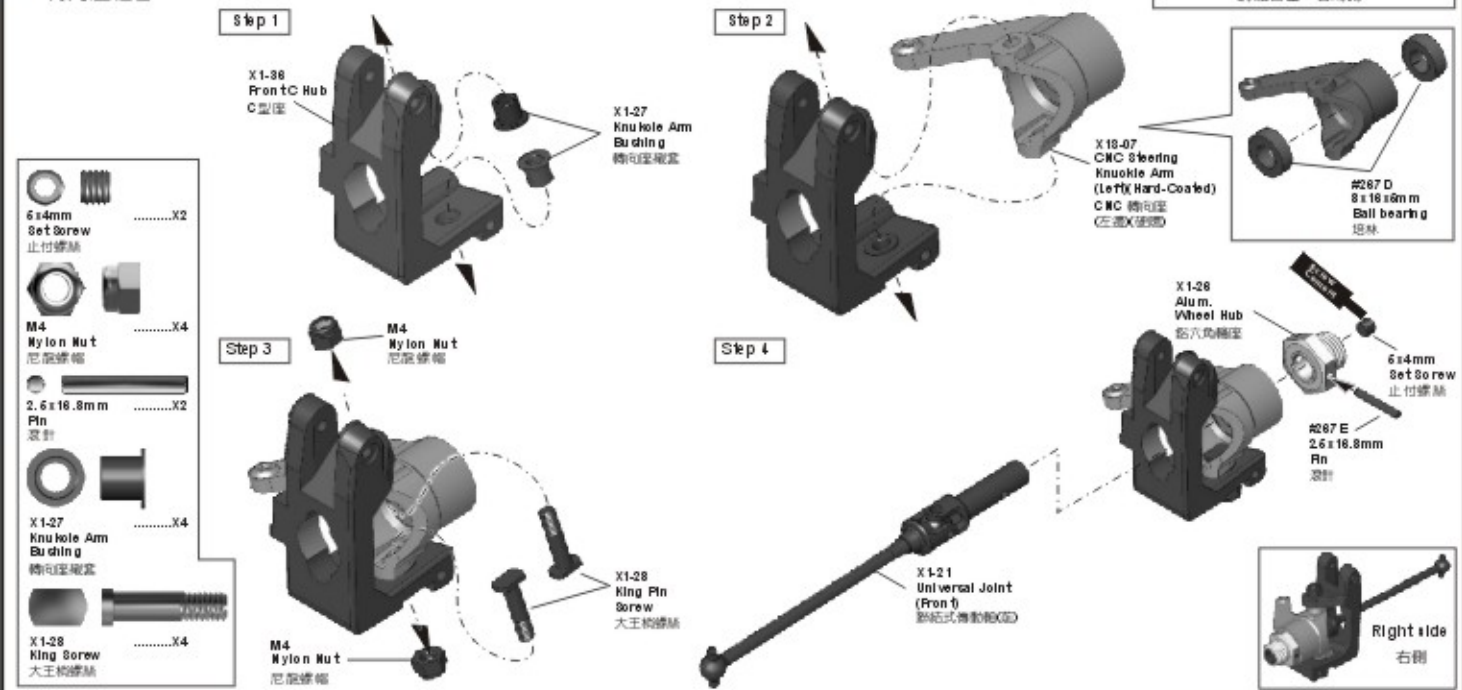
6 ASSEMBLY OF THE FRONT ARM HOLDERS 前擺臂固定座組合



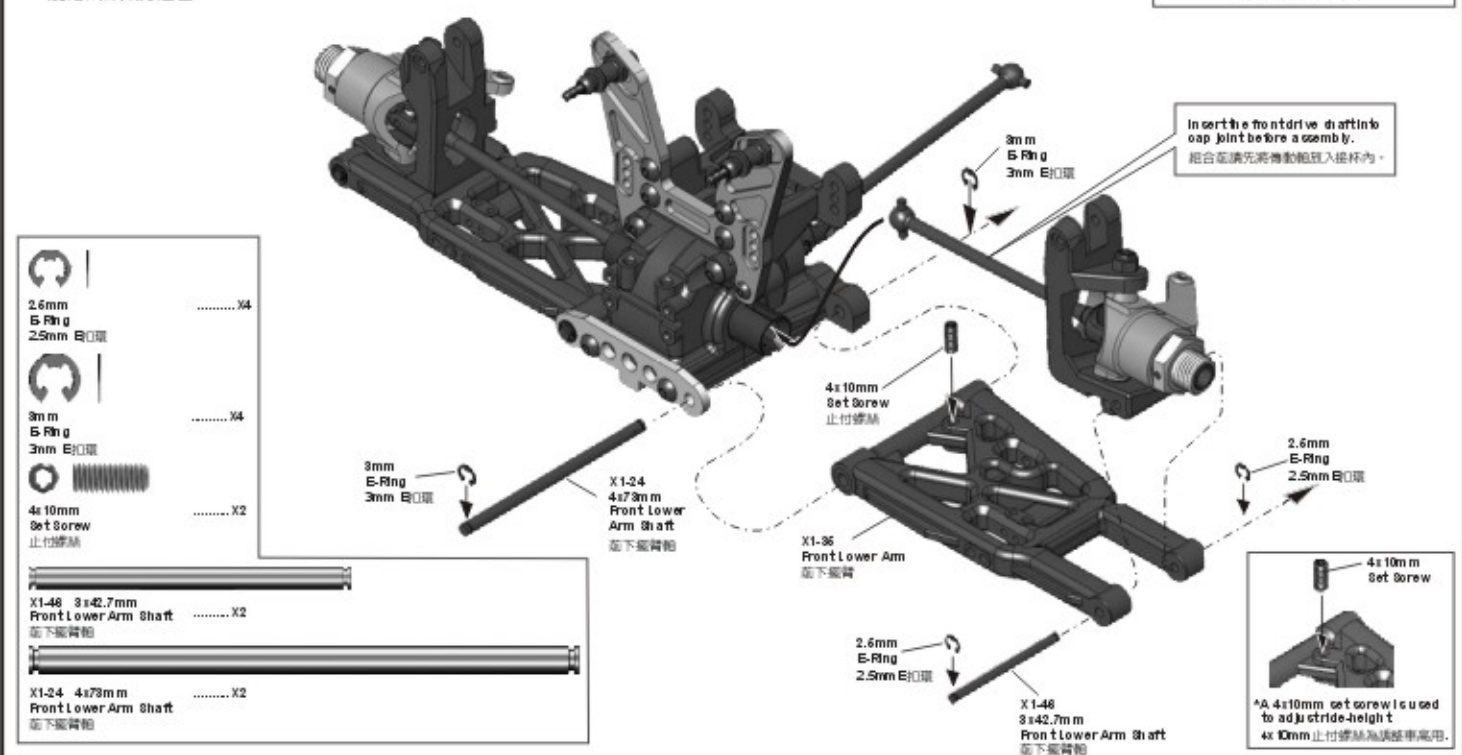
7 ASSEMBLY OF THE FRONT SHOCK STAY 前油壓架組合



8 ASSEMBLY OF THE KNUCKLE ARMS 轉向座組合



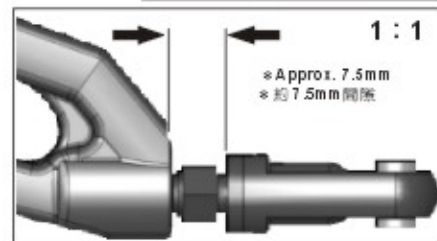
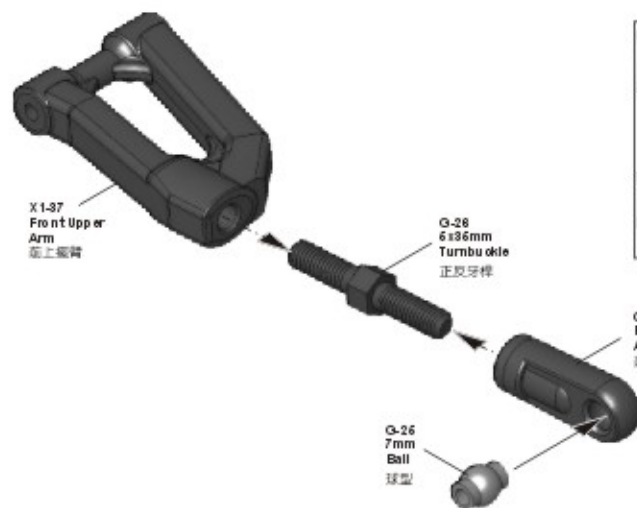
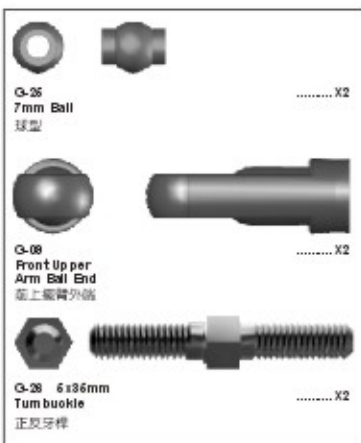
9 ASSEMBLY OF THE FRONT SUSPENSION ARMS 前懸吊系統組合



10 ASSEMBLY OF THE FRONT UPPER ARMS

前上擺臂組合

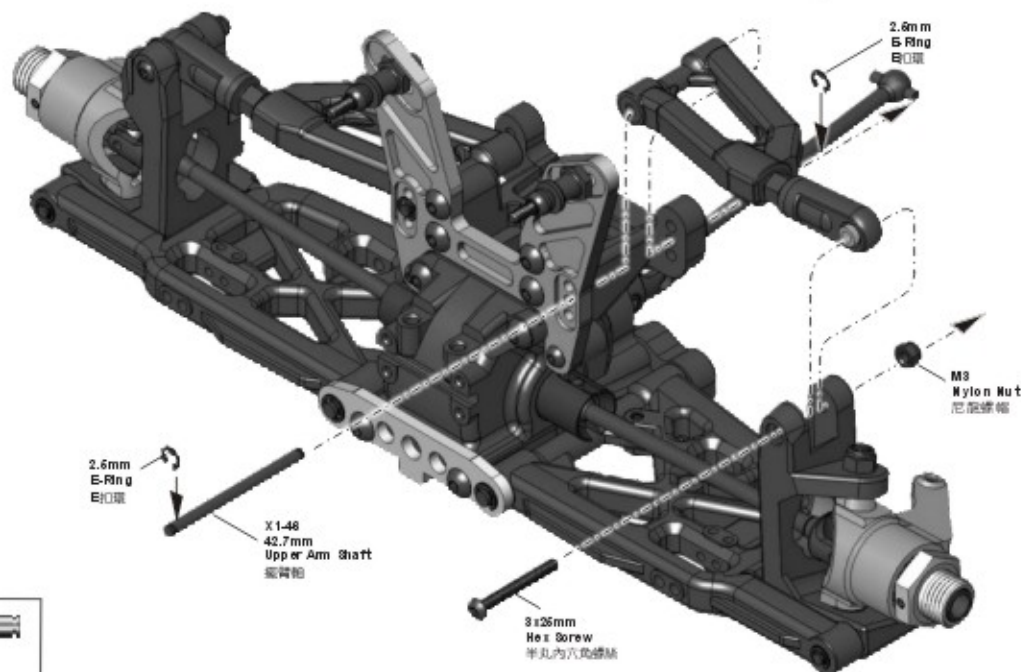
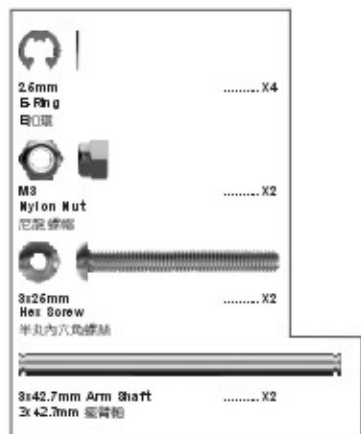
Assembly for both right and left side
請組合左 / 右兩側



11 ASSEMBLY OF THE FRONT SUSPENSION ARMS

前懸吊系統組合

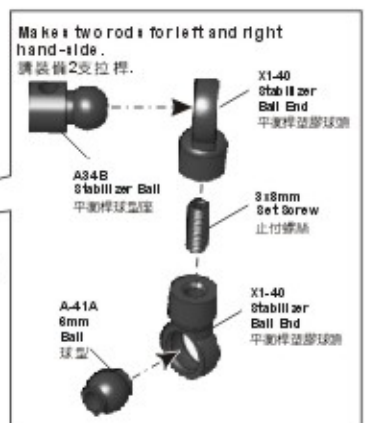
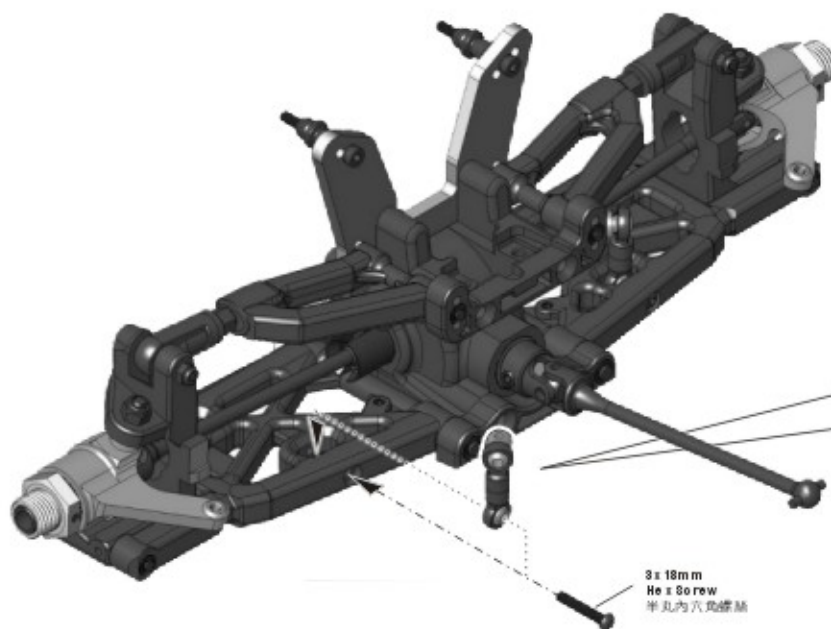
Assembly for both right and left side
請組合左 / 右兩側



12 ASSEMBLY OF THE FRONT STABILIZER

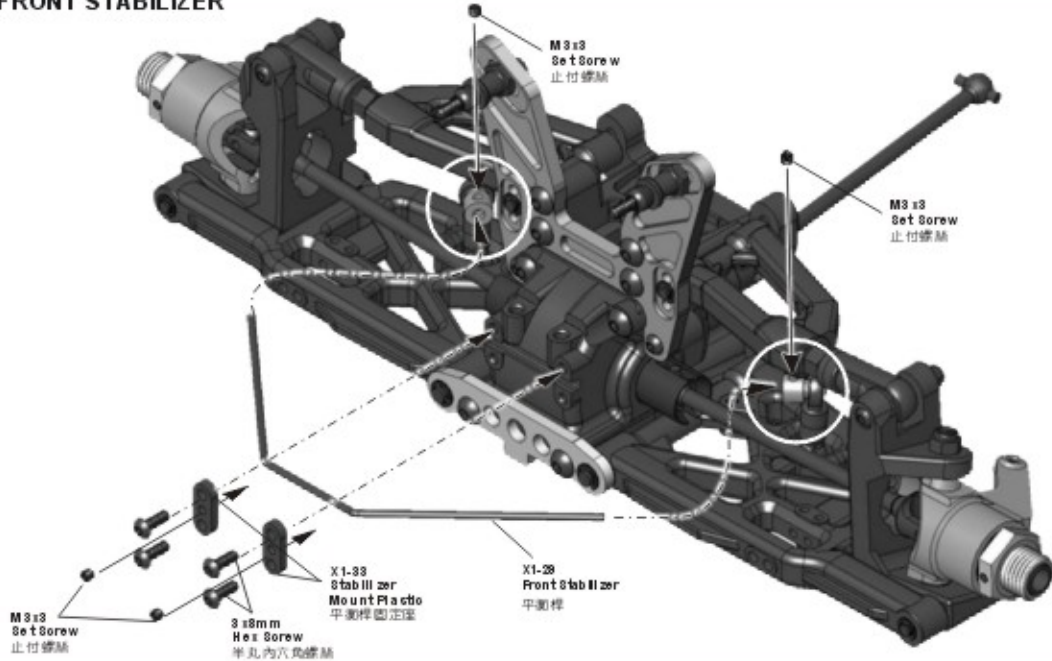
前平衡桿組合

Assembly for both right and left side
請組合左 / 右兩側



13 ASSEMBLY OF THE FRONT STABILIZER

前平衡桿組合



14 ASSEMBLY OF THE SERVO SAVER

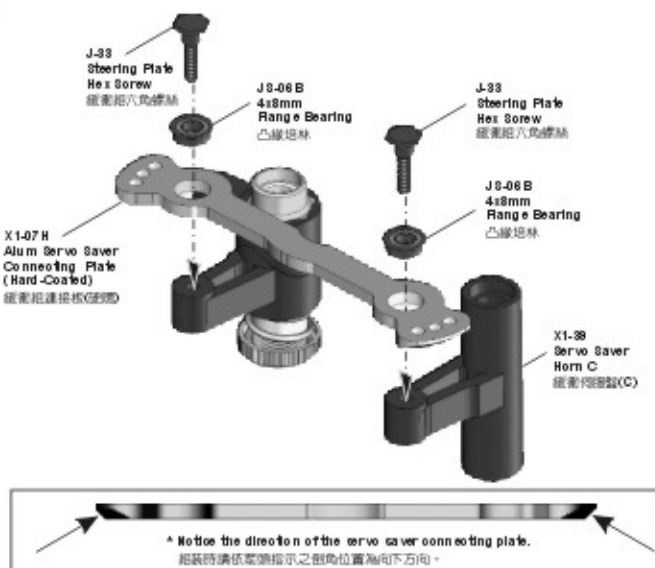
緩衝組組合



Step 1



Step 2

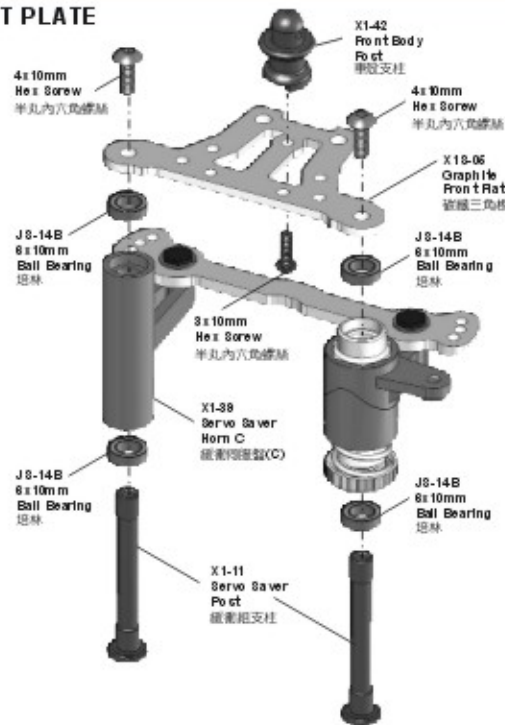


15 ASSEMBLY OF THE FRONT PLATE

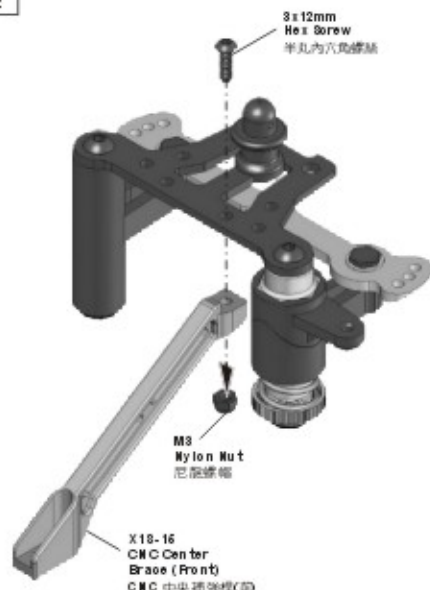
緩衝組組合



Step 1



Step 2



16 ASSEMBLY OF THE STEERING TIE-ROD

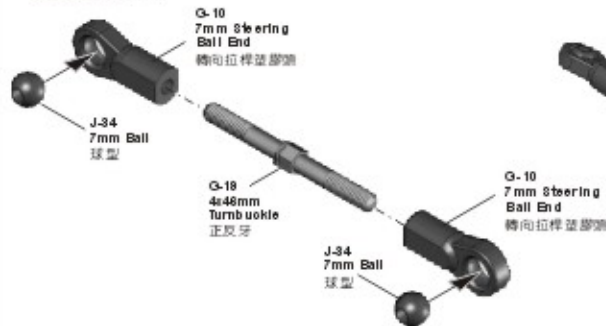
轉向拉桿組合

Assembly for both right and left side
請組合左/右兩側

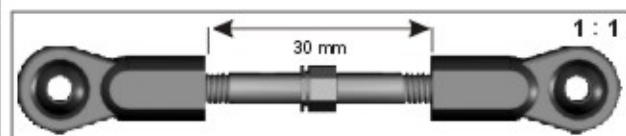
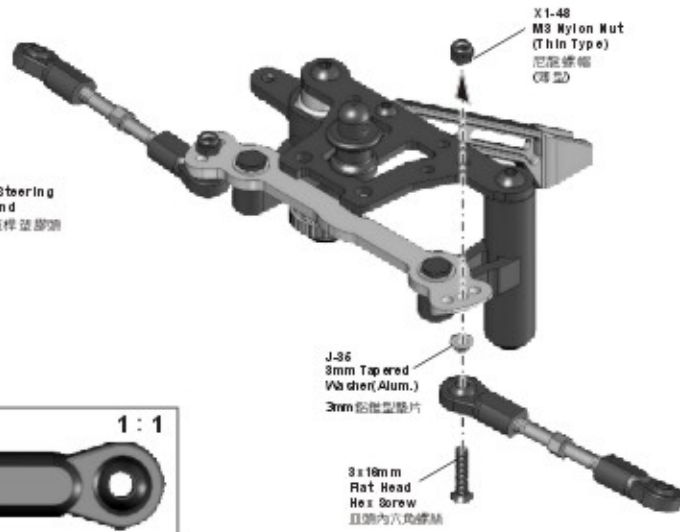


Step 1

Make 2 steering rod for left and right hand side.
請裝備2支轉向拉桿。



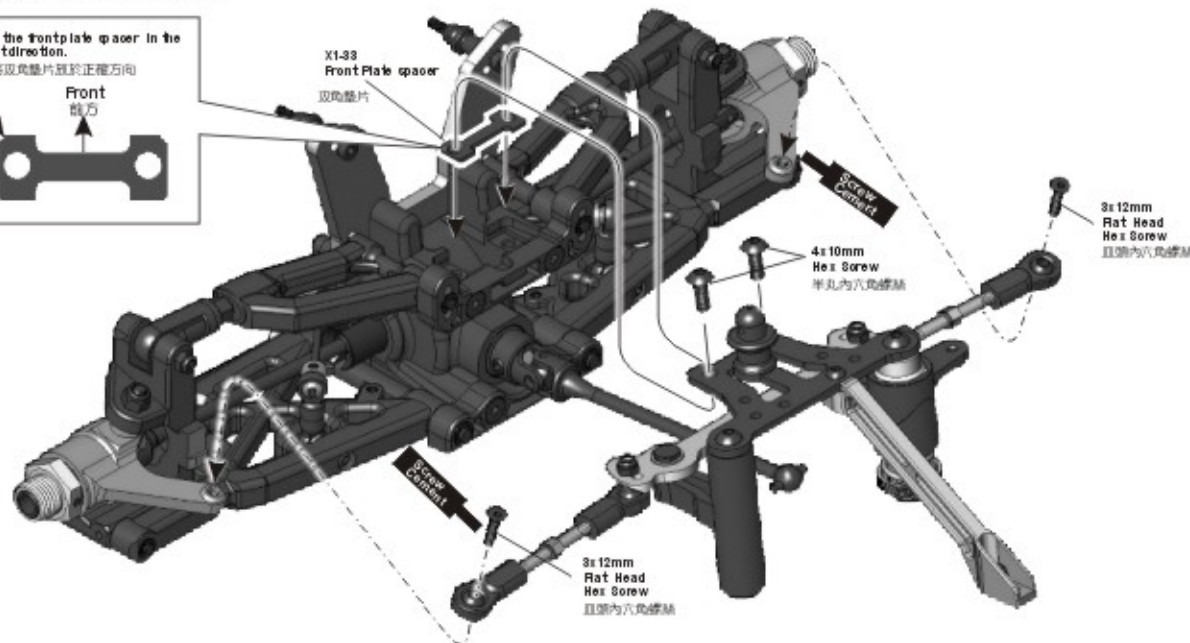
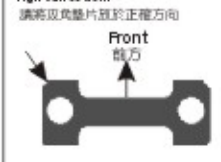
Step 2



17 ASSEMBLY OF THE SERVO SAVER

轉向拉桿組合

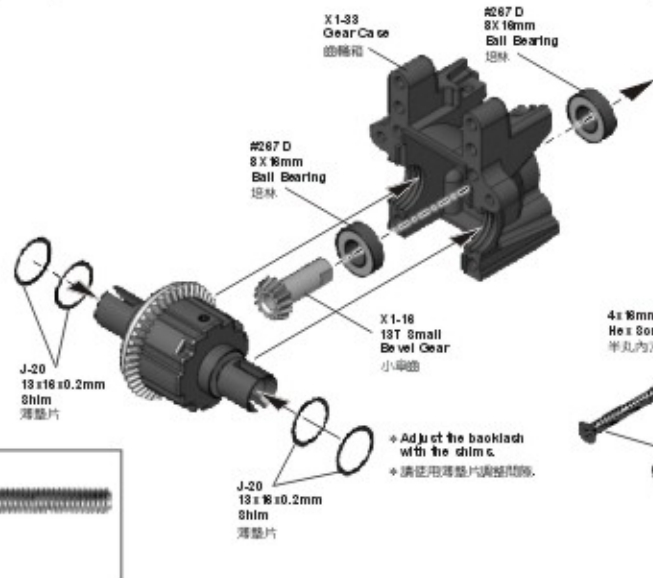
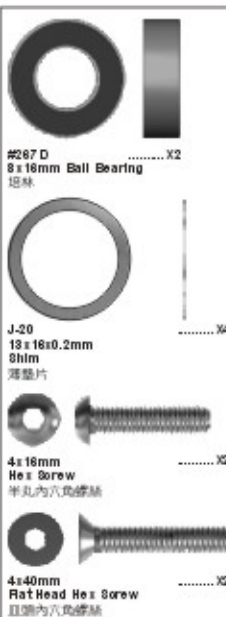
Put the front plate spacer in the right direction.
請將皮角墊片置於正確方向



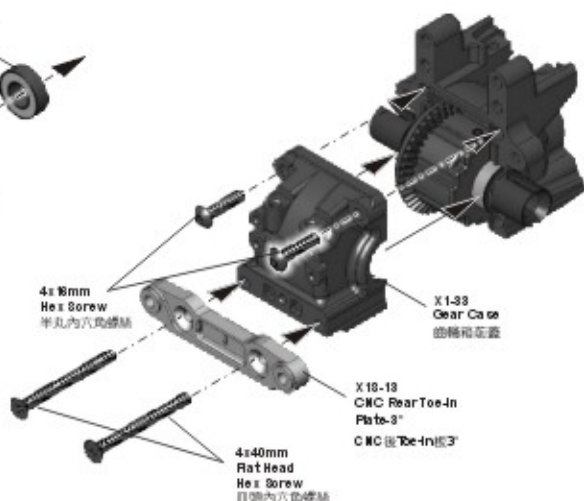
18 ASSEMBLY OF THE REAR GEAR CASE

後齒箱組合

Step 1



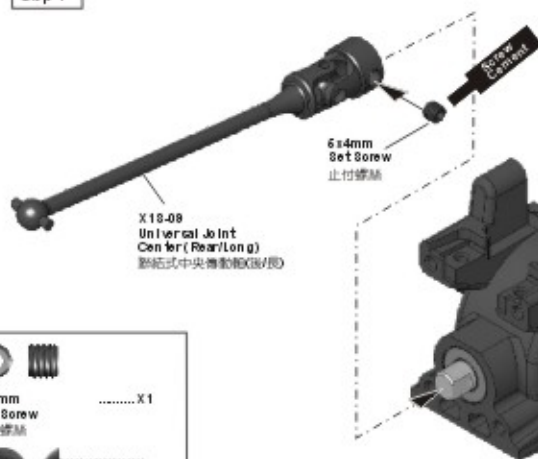
Step 2



19 ASSEMBLY OF THE CENTER UNIVERSAL JOINT

後齒輪箱組合

Step 1

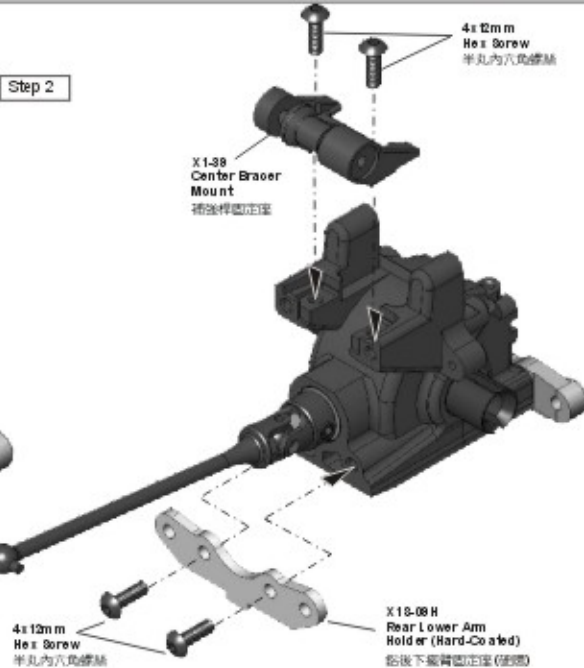


X18-08
Universal Joint
Center (Rear/Long)
新式中央傳動軸(後/長)

6x4mm
Set Screw
止付螺絲

Screw
Conical

Step 2



X1-58
Center Brazer
Mount
補強桿固定座

4x12mm
Hex Sorew
半孔內六角螺絲

4x12mm
Hex Sorew
半孔內六角螺絲

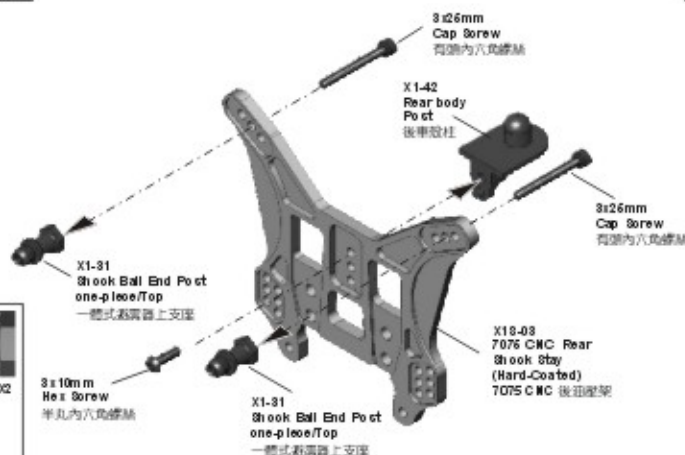
X18-08 H
Rear Lower Arm
Holder (Hard-Coated)
黏後下擺臂固定座(硬膜)



20 ASSEMBLY OF THE REAR SHOCK STAY

後油壓架組合

Step 1



X1-31
Shock Ball End Post
one-piece/Top
一體式避震器上支撐

3x10mm
Hex Sorew
半孔內六角螺絲

X1-31
Shock Ball End Post
one-piece/Top
一體式避震器上支撐

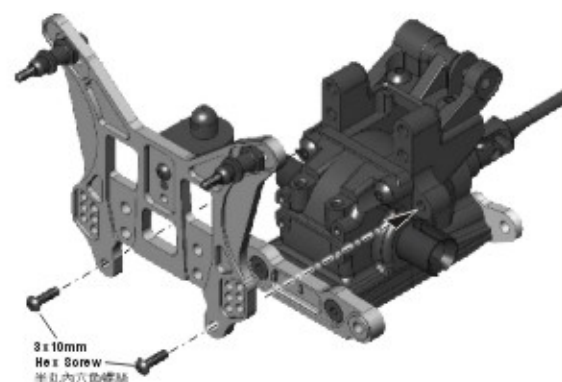
3x26mm
Cap Sorew
有頭內六角螺絲

X1-42
Rear body
Post
後車殼柱

3x26mm
Cap Sorew
有頭內六角螺絲

X19-08
7075 CMC Rear
Shock Stay
(Hard-Coated)
7075 CMC 後避震架

Step 2



3x10mm
Hex Sorew
半孔內六角螺絲



21 ASSEMBLY OF THE WING STAY

後定風翼架組合



X1-42
Wing Mount
定風翼固定座

3x16mm
Hex Sorew
半孔內六角螺絲

3x12mm
Hex Sorew
半孔內六角螺絲

X1-42
Wing Stay
Post
定風翼架固定柱

X1-42
Wing Mount
定風翼固定座

3x12mm
Hex Sorew
半孔內六角螺絲

3x16mm
Hex Sorew
半孔內六角螺絲

X1-42
Wing Stay
Right
定風翼固定架

X1-42
Wing Stay
(Left)
定風翼固定架



*The install angle of the wing mount can become bigger or higher.
定風翼角位可以裝配位置不同而有角位及高低變化。

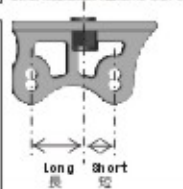


High Position
高位

Low Position
低位

Big Angle
大角

Makes two wing mount to in
the same position.
裝配兩座定風翼固定架同方向

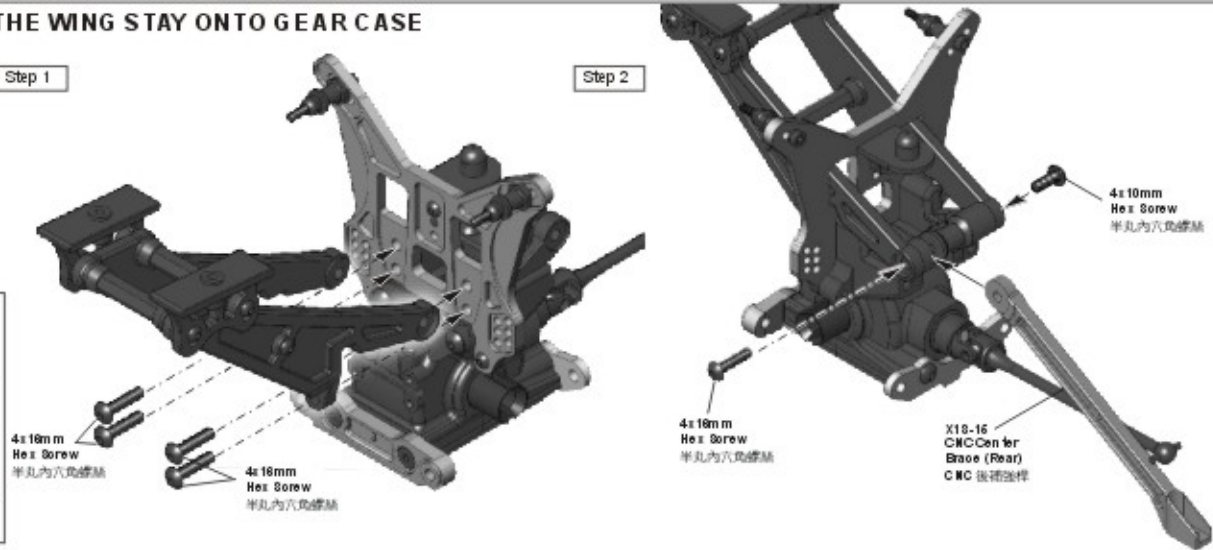
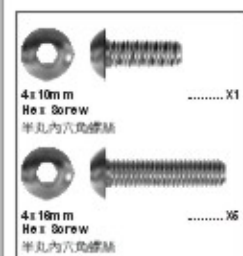


22 ASSEMBLY OF THE WING STAY ONTO GEAR CASE

後定風翼架組合

Step 1

Step 2



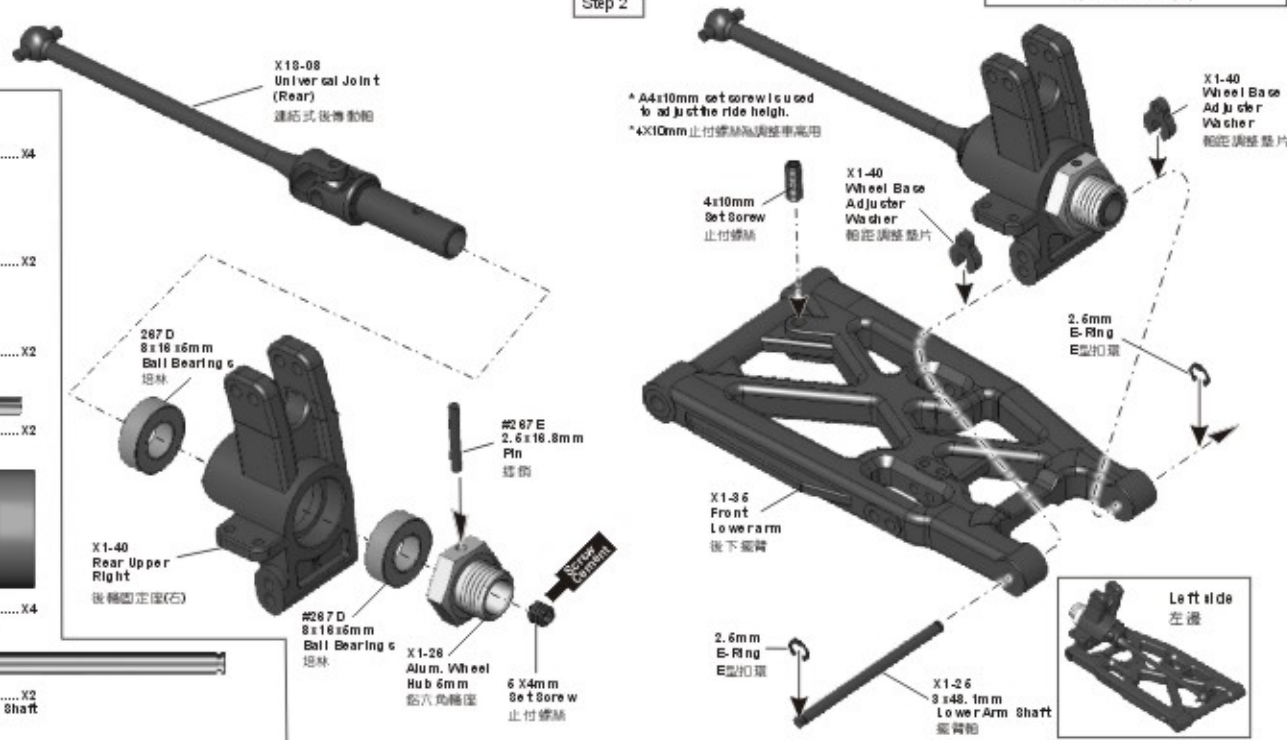
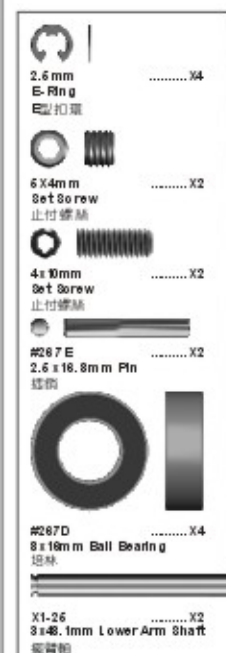
24 ASSEMBLY OF THE REAR UPPER RIGHT

後輪座組合

Step 1

Step 2

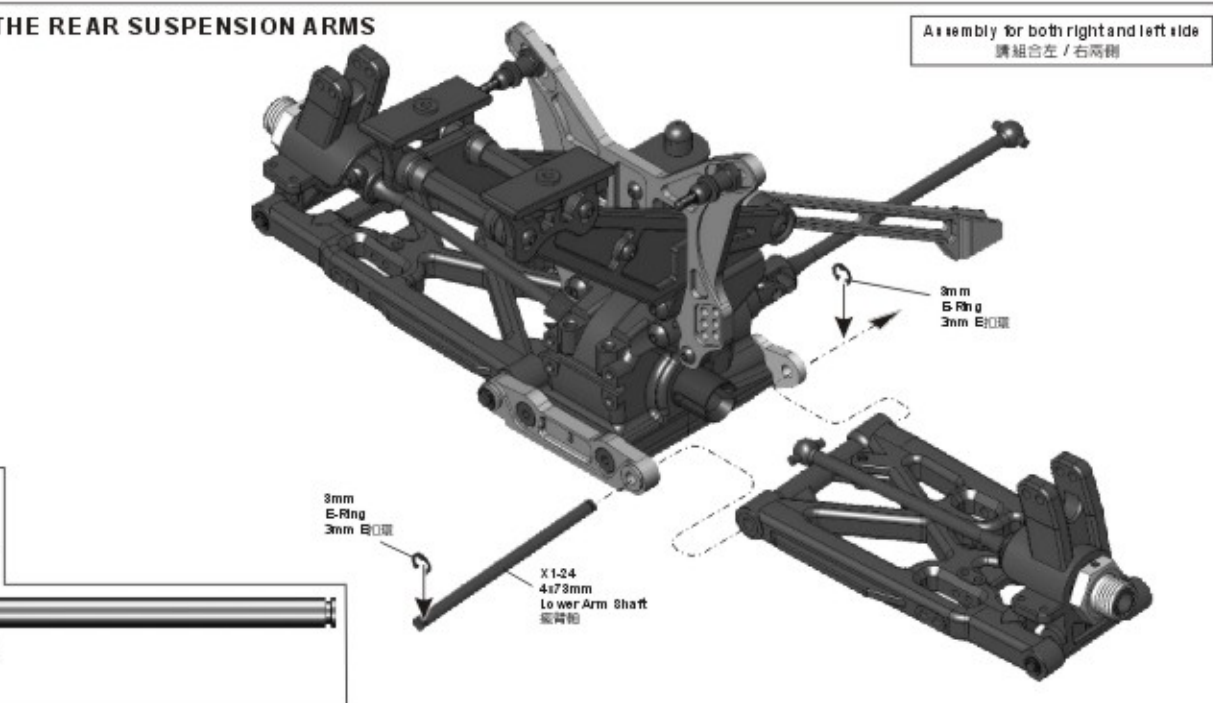
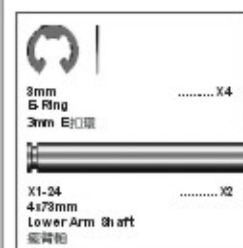
Assembly for both right and left side
請組合左 / 右高橋



23 ASSEMBLY OF THE REAR SUSPENSION ARMS

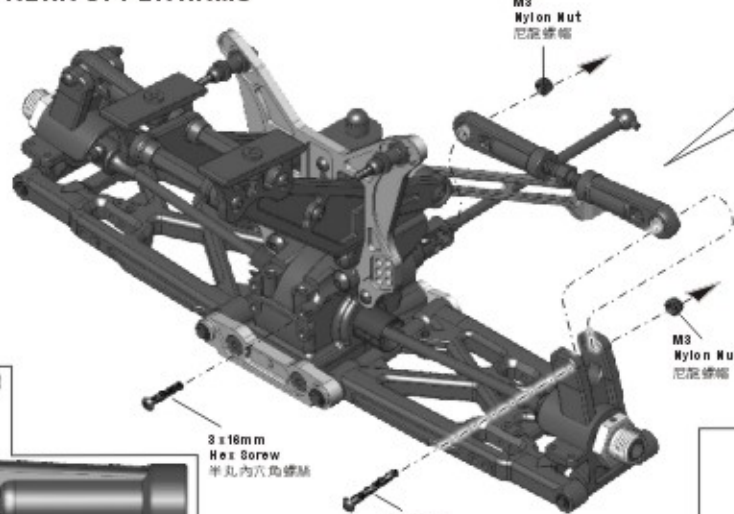
後懸吊系統組合

Assembly for both right and left side
請組合左 / 右高橋



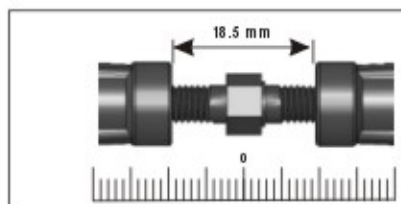
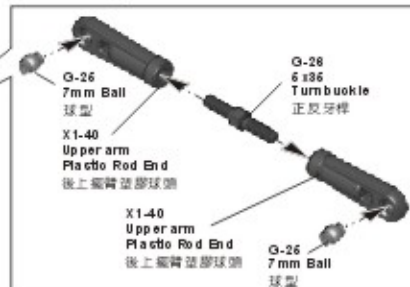
25 ASSEMBLY OF THE REAR UPPER ARMS

後懸吊系統組合



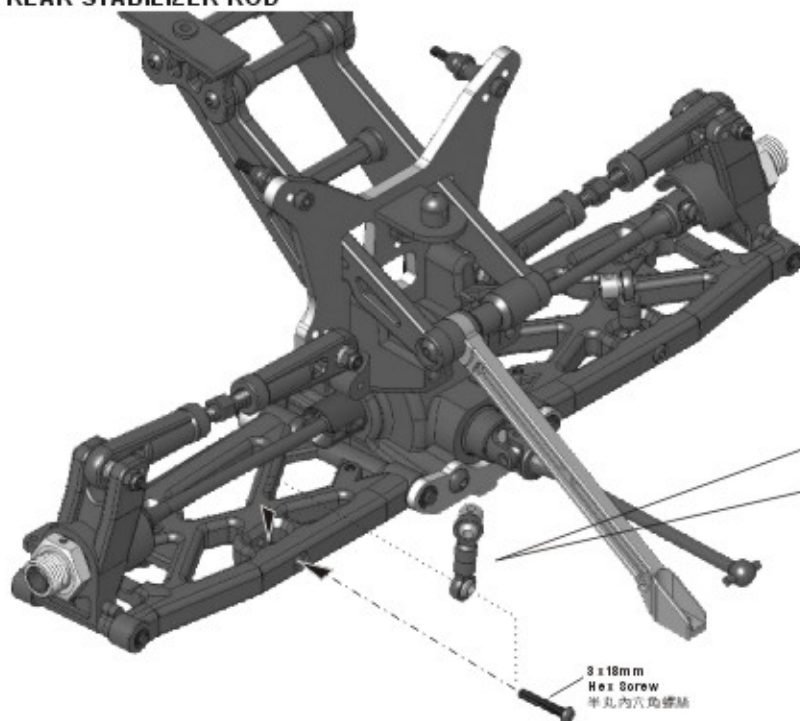
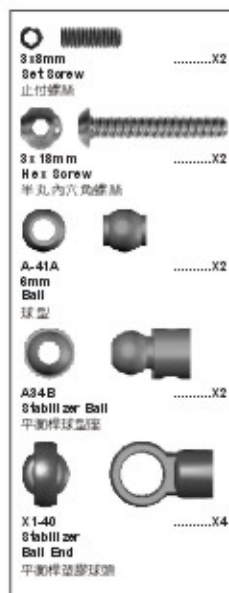
Assembly for both right and left side

請組合左 / 右兩側



26 ASSEMBLY OF THE REAR STABILIZER ROD

後平衡桿推桿組合

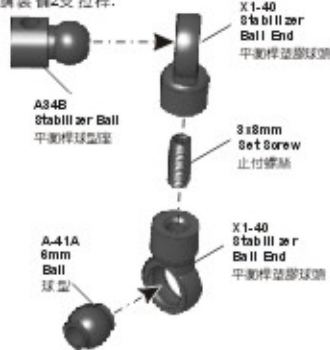


Assembly for both right and left side

請組合左 / 右兩側

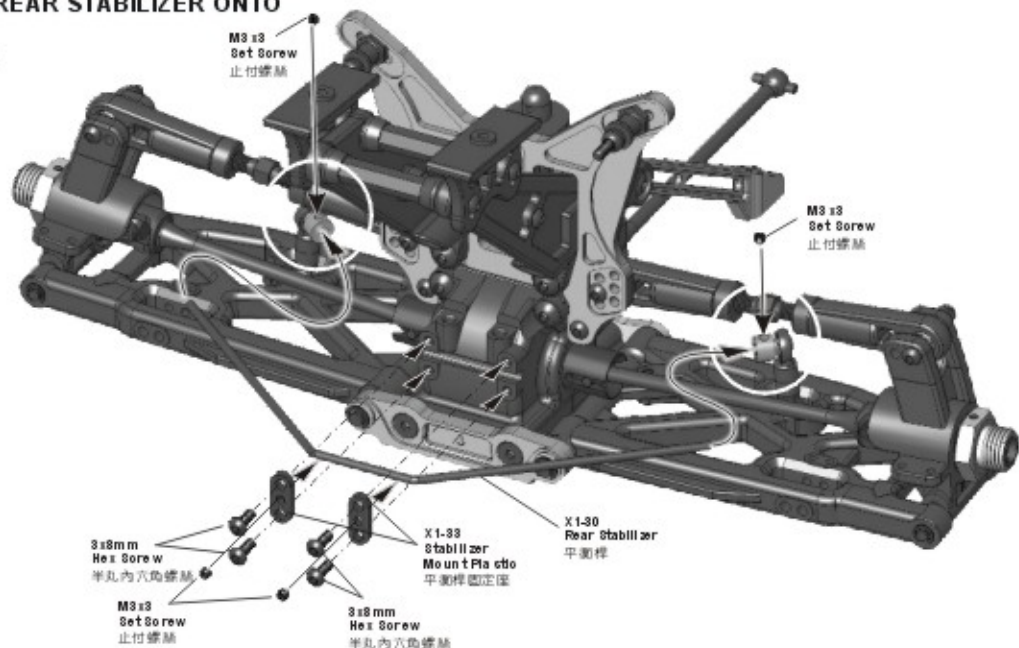
Make two rods for left and right hand-side.

請裝 2 支拉桿。



27 ASSEMBLY OF THE REAR STABILIZER ONTO REAR CASE

後平衡桿與後齒輪箱組合



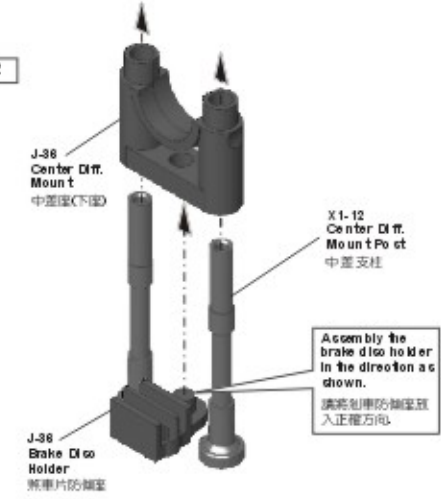
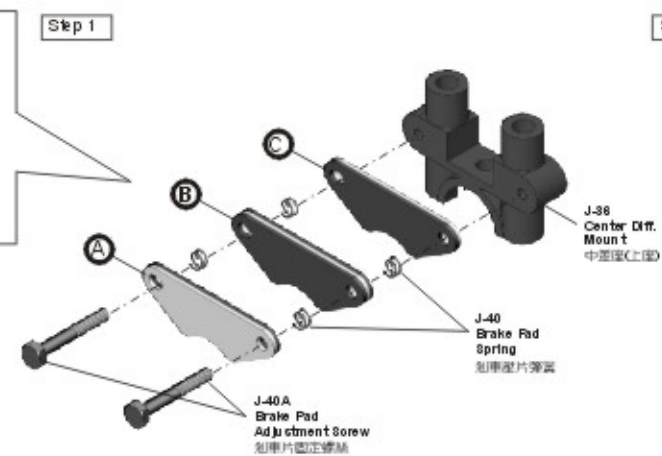
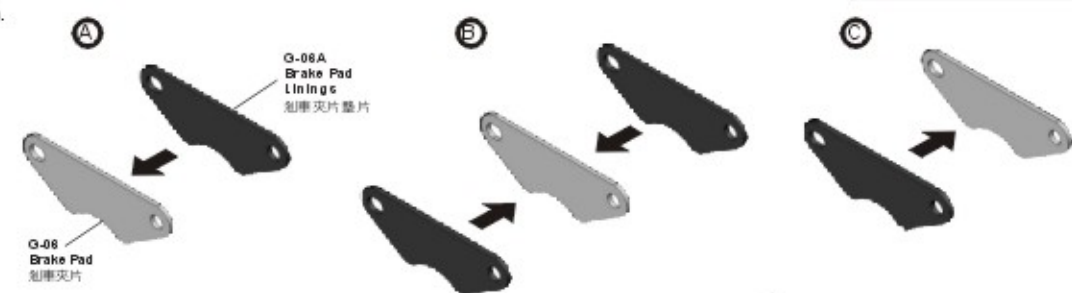
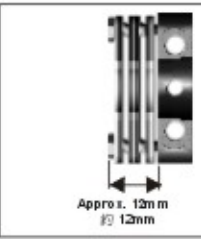
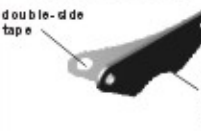
28 ASSEMBLY OF THE BRAKE PADS AND CENTER DIFF. MOUNT

Build 2 center Diff. Mount
請組合2個中差座

剎車片與中差座組合

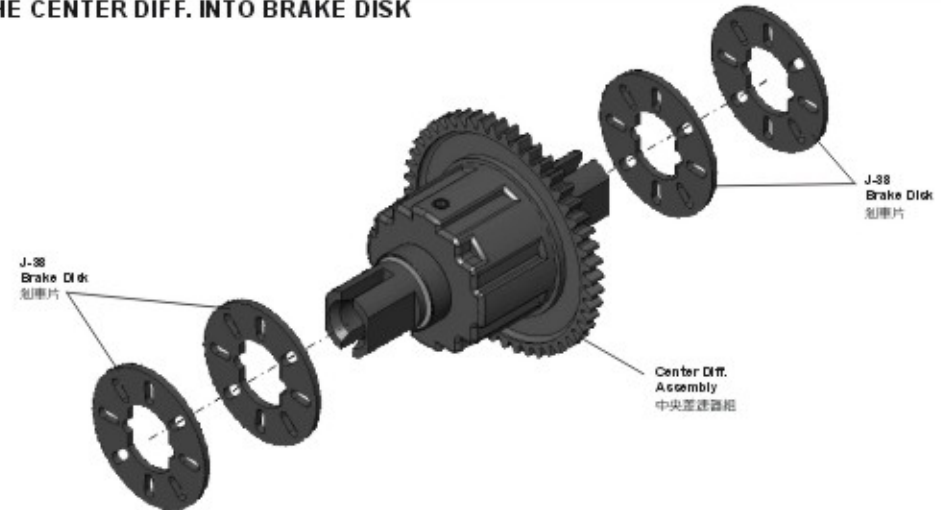
Make 3 brake pads for each side as shown.
請裝配三種不同的剎車片與片組

* Remove the double-side tape before assembly.
*組合前請先撕去雙面膠帶。



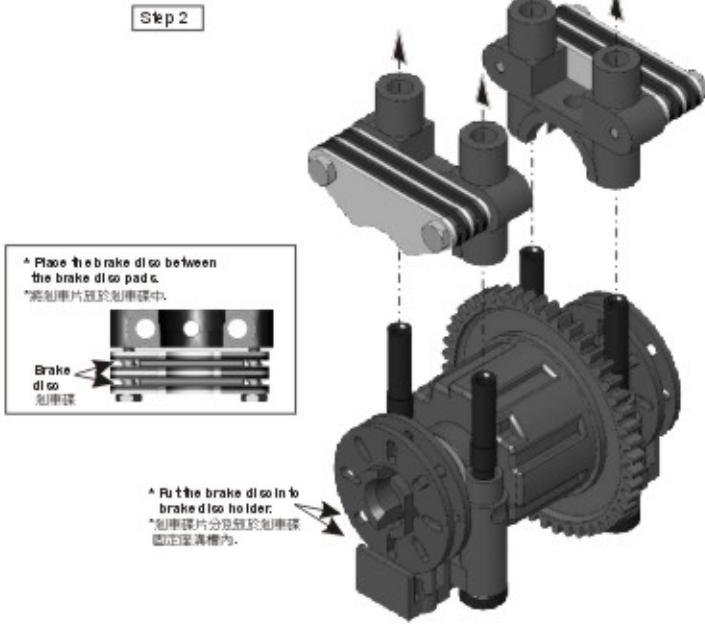
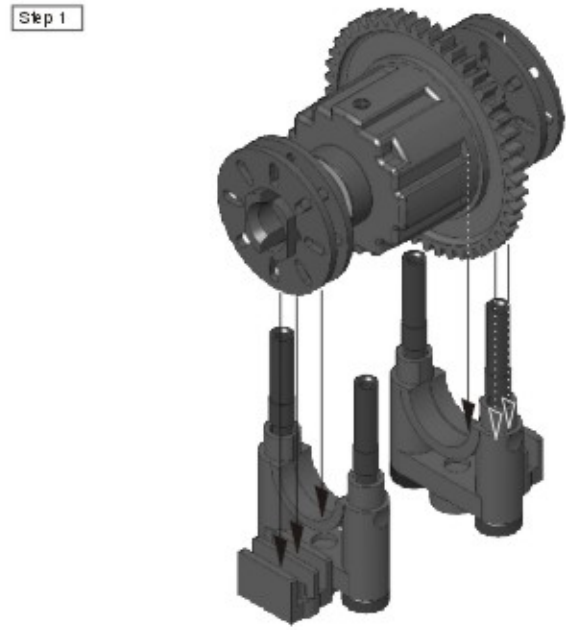
29 ASSEMBLY OF THE CENTER DIFF. INTO BRAKE DISK

中差座與剎車片組合



30 ASSEMBLY OF THE CENTER DIFF. INTO CENTER DIFF. MOUNT

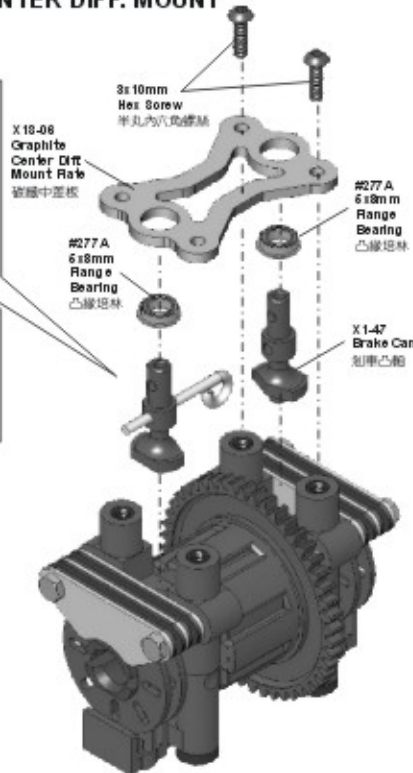
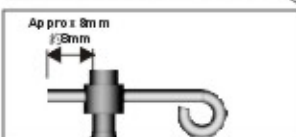
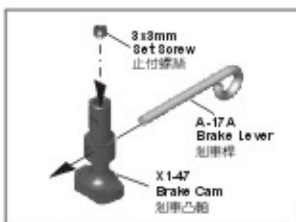
中央差速器組與中差座組合



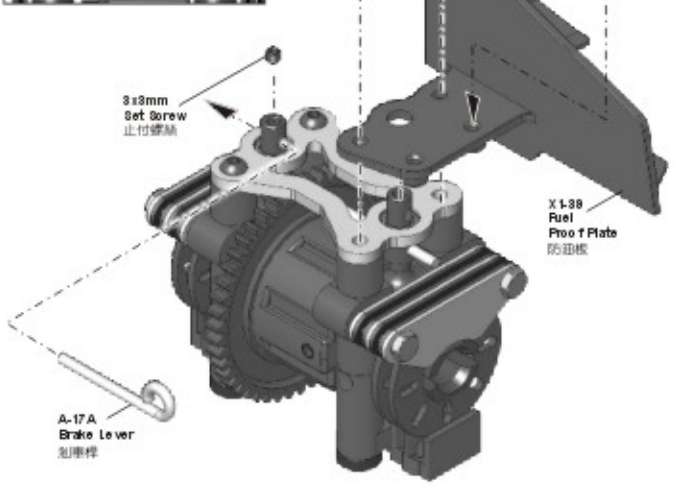
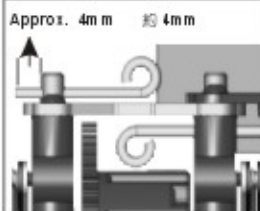
31 ASSEMBLY OF THE CENTER DIFF. MOUNT

中央差速器組與中差座組合

Step 1



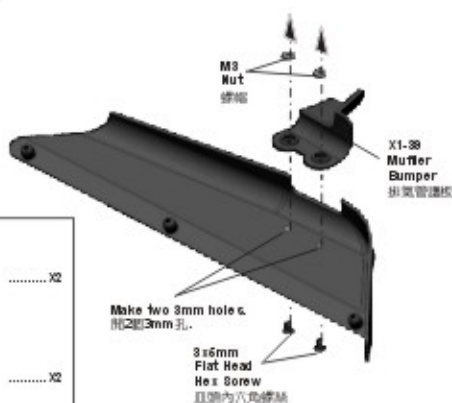
Step 2



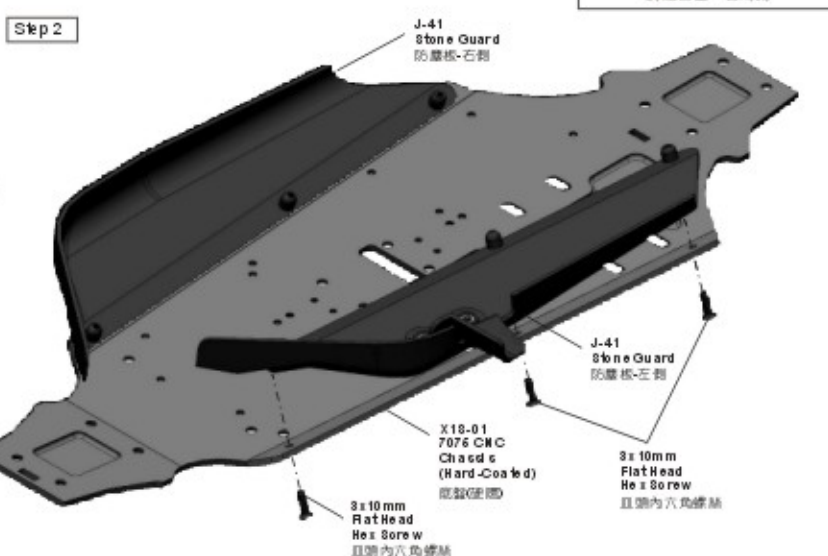
32 ASSEMBLY OF THE STONE GUARD

防塵板組合

Step 1



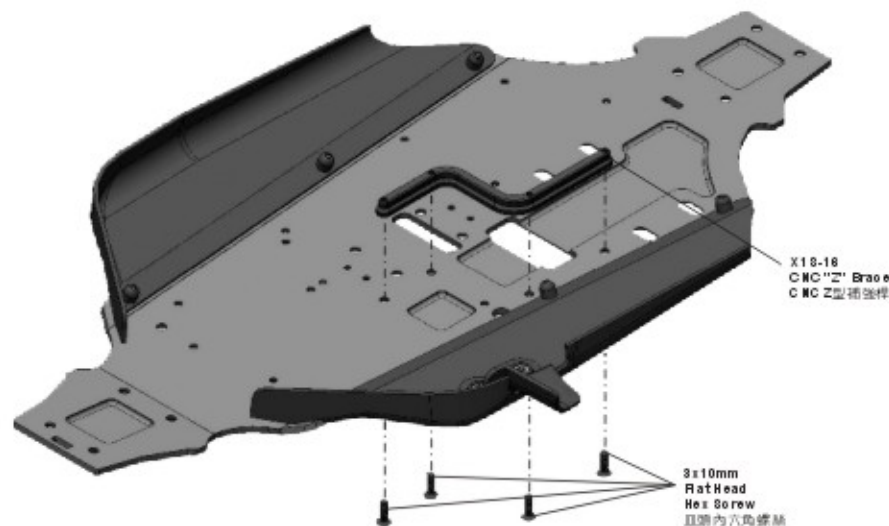
Step 2



Assembly both right and left side
請組合左 / 右兩側






33 ASSEMBLY OF THE Z BRACE

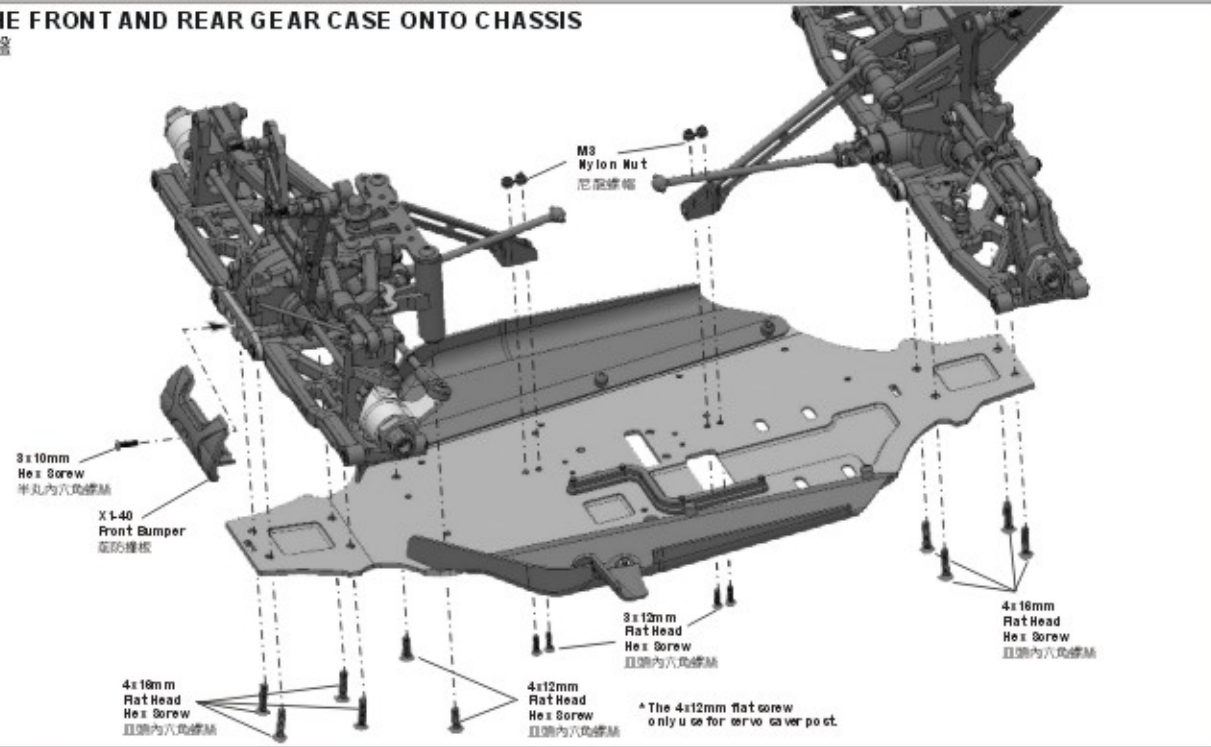
Z字型補強板組合



34 ASSEMBLY OF THE FRONT AND REAR GEAR CASE ONTO CHASSIS

組合前後齒輪箱至底盤


-  M3 Nylon Nut 尼龍螺帽 X4
-  3x10mm Hex Screw 半孔內六角螺絲 X1
-  3x12mm Flat Head Hex Screw 且頭內六角螺絲 X4
-  4x12mm Flat Head Hex Screw 且頭內六角螺絲 X2
-  4x16mm Flat Head Hex Screw 且頭內六角螺絲 X8

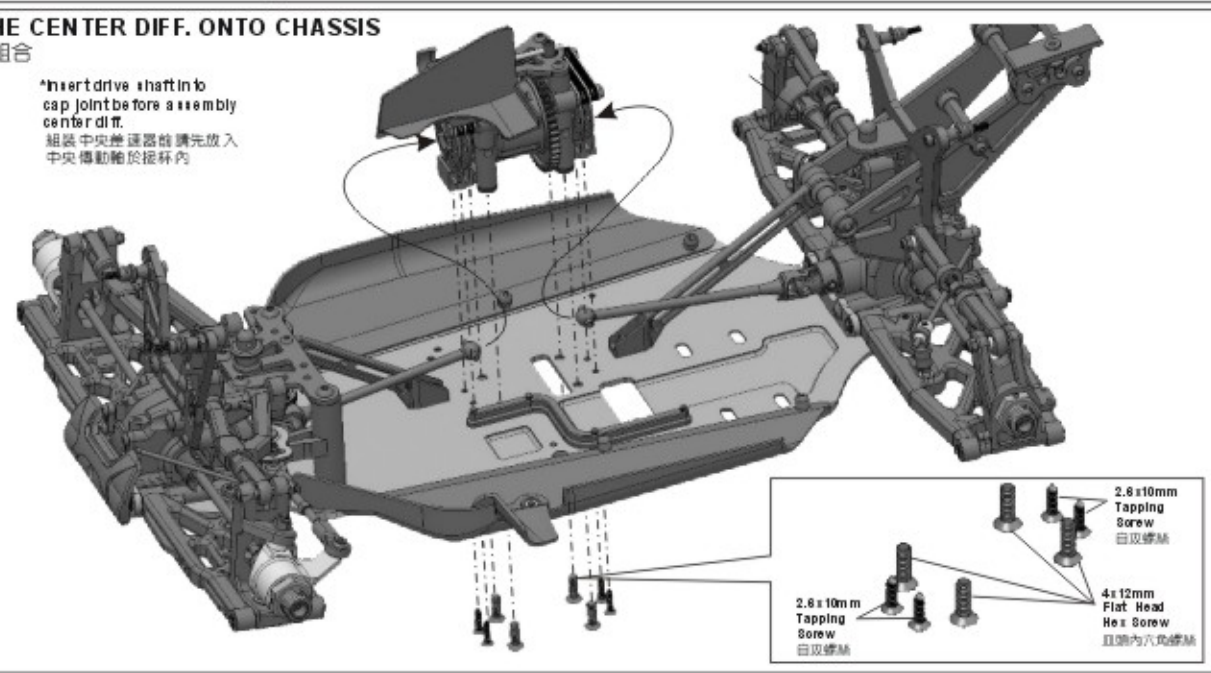


35 ASSEMBLY OF THE CENTER DIFF. ONTO CHASSIS

中央差速器組與底盤組合







*Insert drive shaft into cap joint before assembly center diff.
組裝中央差速器前請先放入中央傳動輪於接杯內

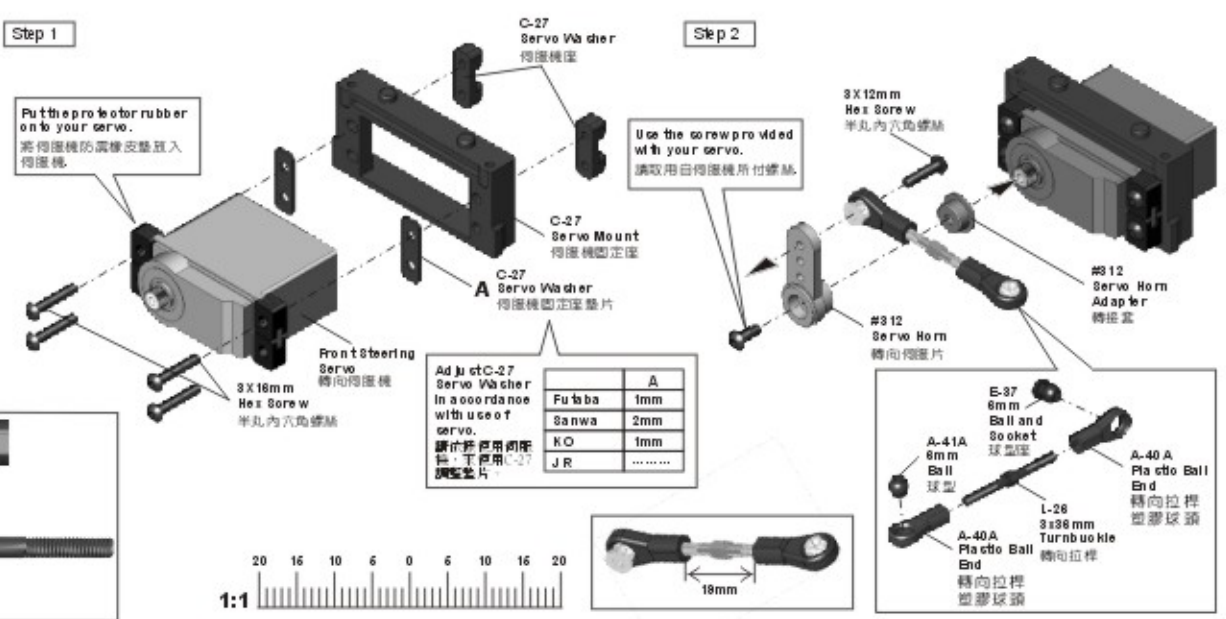
-  4x12mm Flat Head Hex Screw 且頭內六角螺絲 X4
-  2.8x10mm Tapping Screw 白鐵螺絲 X4



36 ASSEMBLY OF THE STEERING SERVO AND STEERING ROD

轉向伺服機與轉向拉桿組合

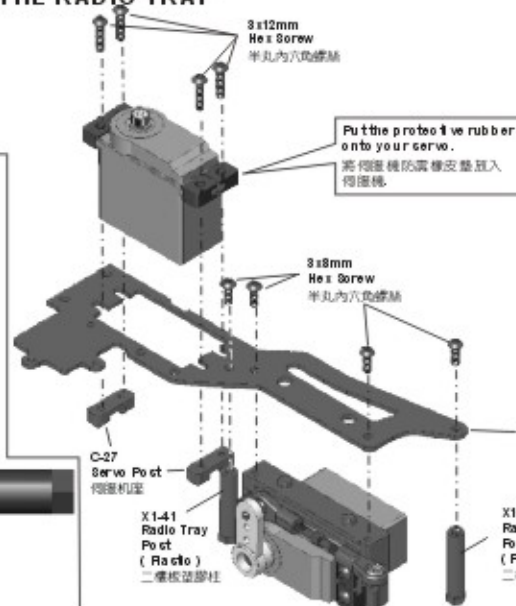
-  3x12mm Hex Screw 半孔內六角螺絲 X1
-  3x16mm Hex Screw 半孔內六角螺絲 X4
-  A-41A 6mm Ball End 球型 X1
-  E-37 8mm Ball and Socket 球型座 X1
-  A-40A Plastic Ball End 轉向拉桿塑膠球頭 X2
-  L-28 3x36mm Turnbuckle 轉向拉桿 X1



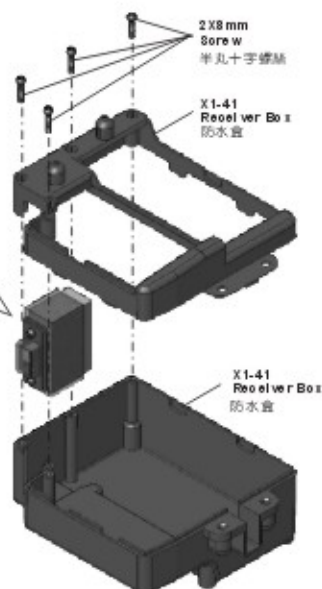
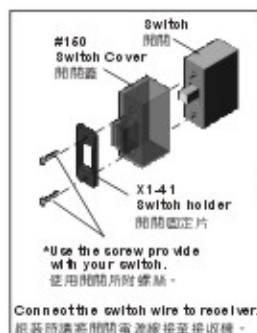
37 ASSEMBLY OF THE RADIO TRAY

二樓板組合

Step 1



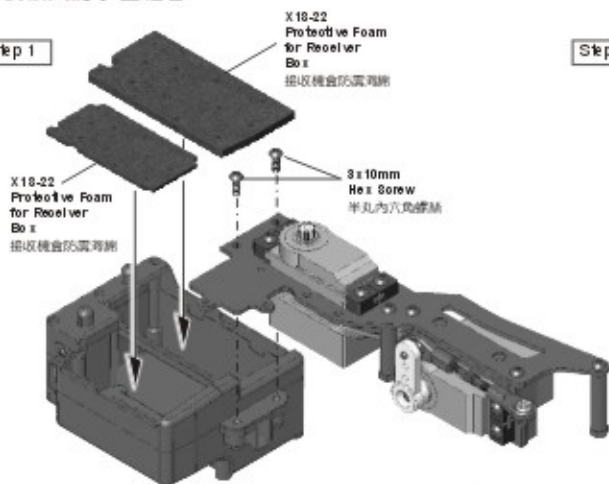
Step 2



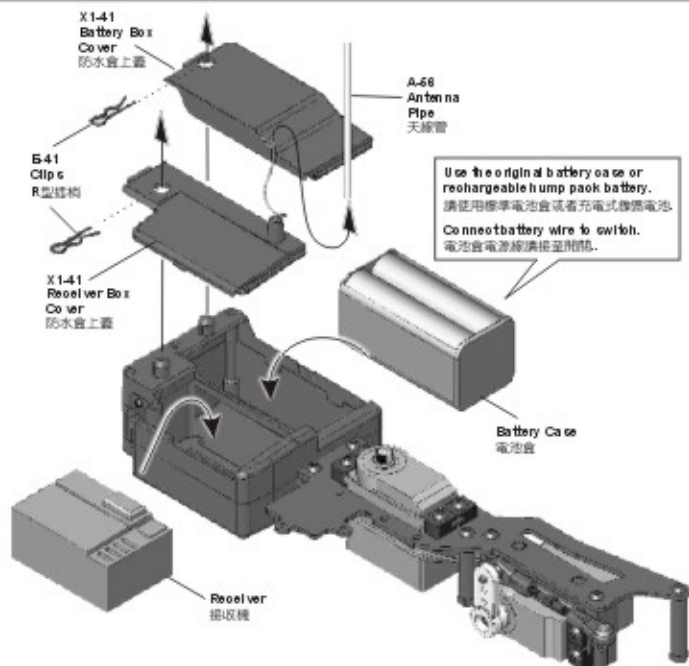
38 ASSEMBLY OF THE RECEIVER BOX

二樓板與防水盒組合

Step 1

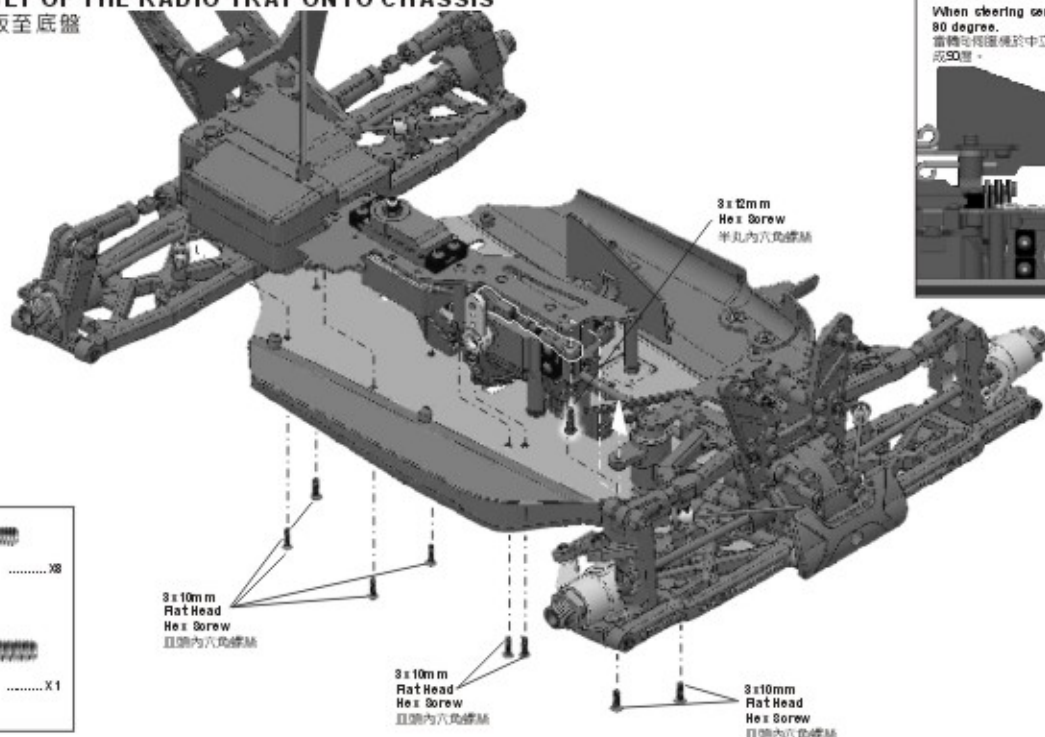


Step 2

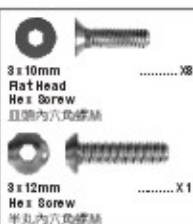


39 ASSEMBLY OF THE RADIO TRAY ONTO CHASSIS

組合二樓板至底盤



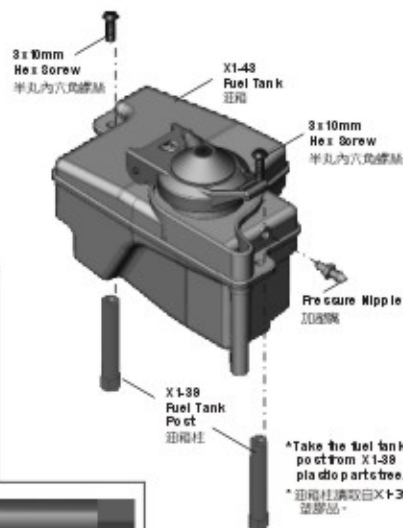
When steering servo in neutral the horn must be in 90 degree.
當轉角伺服機於中立位置時，調整角片與L-26轉角片成90度。



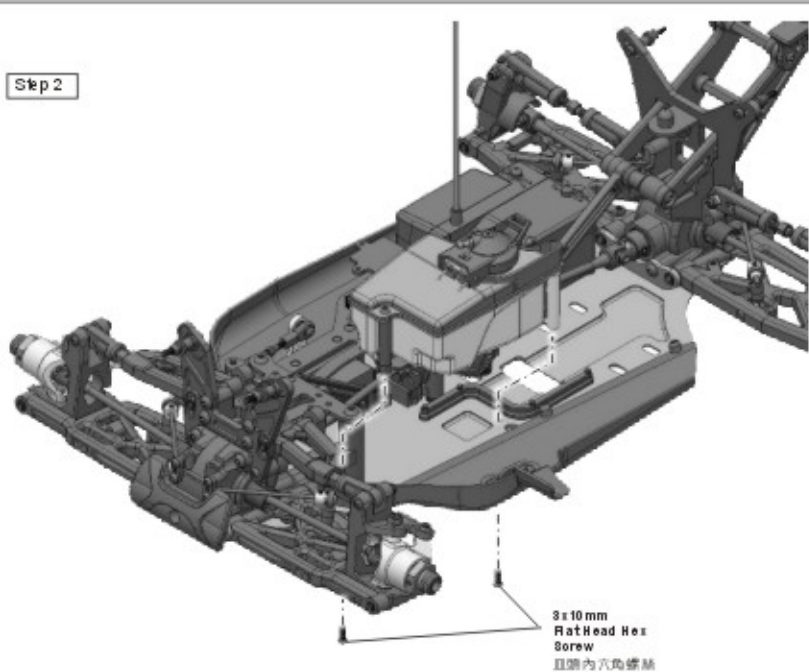
40 ASSEMBLY OF THE FUEL TANK

油箱組合

Step 1



Step 2



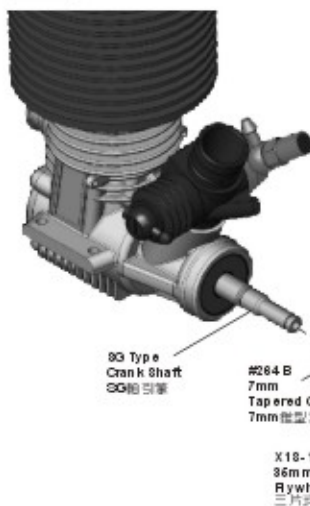
*Take the fuel tank post from X1-38 plastic part tree.
* 油箱柱請取自 X1-38 塑膠品。

3x10mm Flat Head Hex Screw
直頭內六角螺絲

41 ASSEMBLY OF THE CLUTCH

組合離合器

Step 1



*Only use this 6.3mm tapered cone for threaded crank shaft with drive nut.
* 6.3mm 錐型塞只適合全牙曲軸引擎。



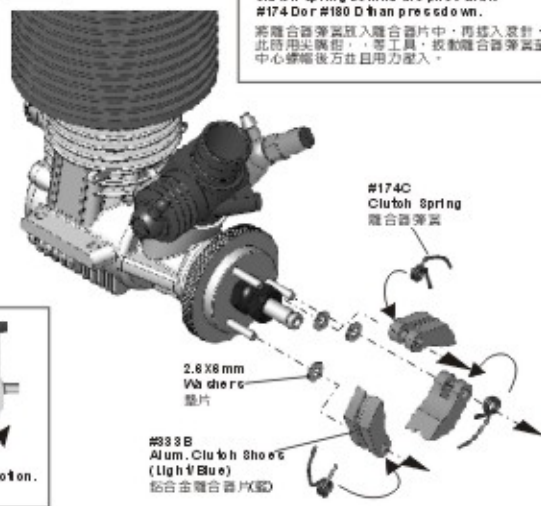
Fit the fly wheel using a pair of the pliers and screw wrench.
請使用夾鉗及螺絲扳手將中心螺帽鎖緊。

X18-10 96mm 9 Pin Flywheel
三片式飛輪



Engine rotation direction.
引擎旋轉方向。

Step 2



Place the clutch shoes with the clutch spring cover the 3 pin of the flywheel. Using a phillips screw driver or needle nose pliers to leave the small end of the clutch spring behind the pilot shaft.
#174D or #180 D then press down.

將離合器彈簧裝入離合器片中，再裝入波針。此時用尖嘴鉗、螺絲工具，按動離合器彈簧至中心螺絲後方並且用壓力壓入。

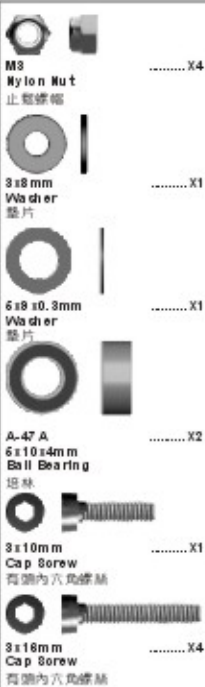
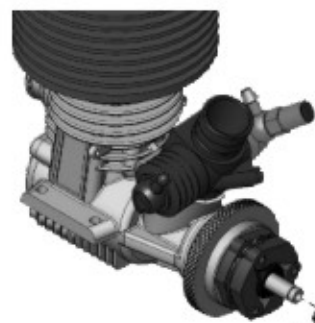
#174C Clutch Spring
離合器彈簧

#338 B Alum. Clutch Shoes (Light Blue)
鋁合金離合器片(藍)

42 ASSEMBLY OF THE CLUTCH BELL AND ENGINE MOUNT

組合離合器

Step 1



A-47 A 6x10x4mm Ball bearing
球珠

6x8x0.3mm Washer
墊片

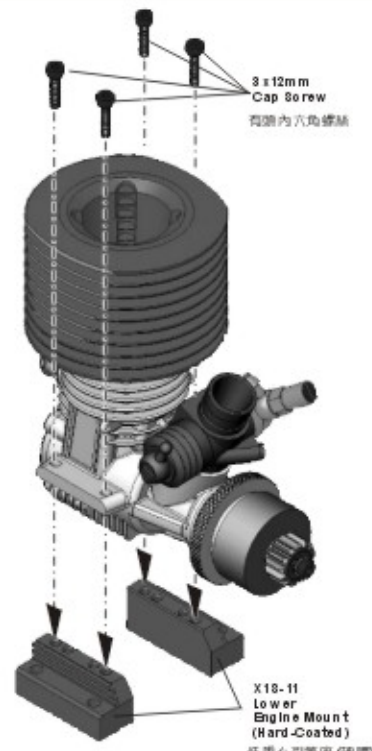
#108 13T Clutch Bell
離合器殼

3x8mm Washer
墊片

3x10mm Cap Screw
有頭內六角螺絲

3x18mm Cap Screw
有頭內六角螺絲

Step 2

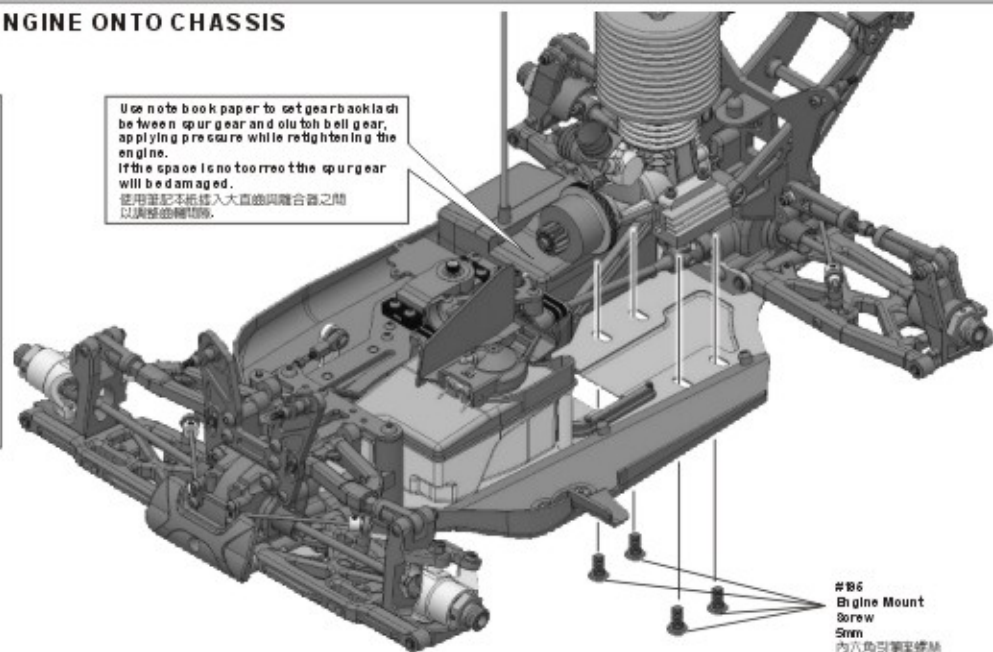
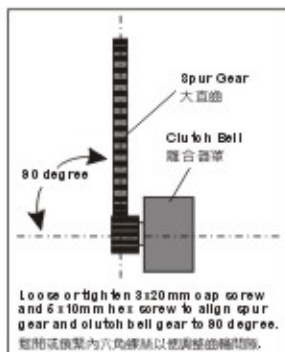


3x12mm Cap Screw
有頭內六角螺絲

X18-11 Lower Engine Mount (Hard-Coated)
低重心引擎座(硬塗)

43 ASSEMBLY OF THE ENGINE ONTO CHASSIS

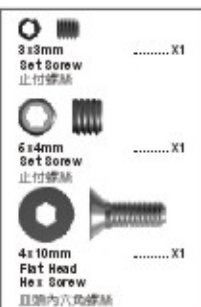
引擎組合至底盤



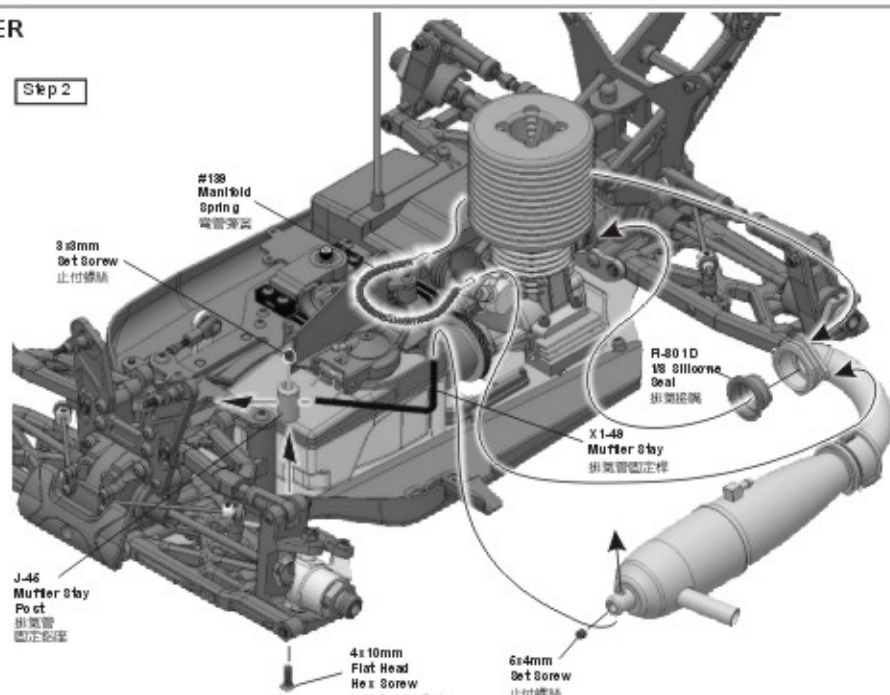
44 ASSEMBLY OF THE MANIFOLD AND MUFFLER

排氣管與喉管組合

Step 1



Step 2

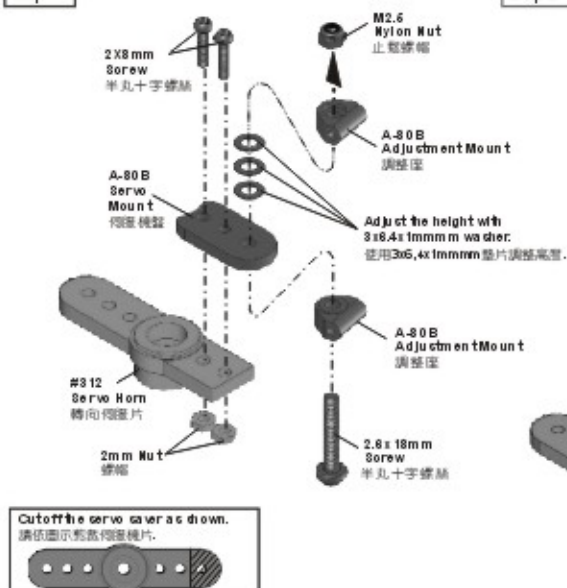
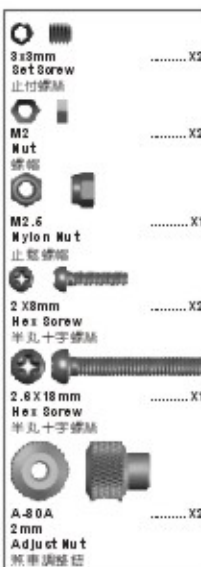


45 ASSEMBLY OF THE THROTTLE LINKAGE (Type A)

油門伺服器與煞車調整組組合 (Type A)

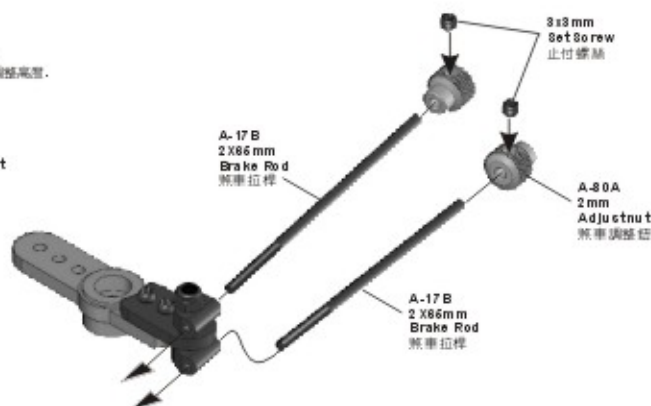
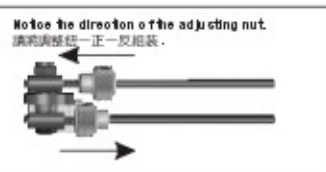
Type A

Step 1



Cutoff the servo cover as shown.
請依圖示剪去伺服器蓋片。

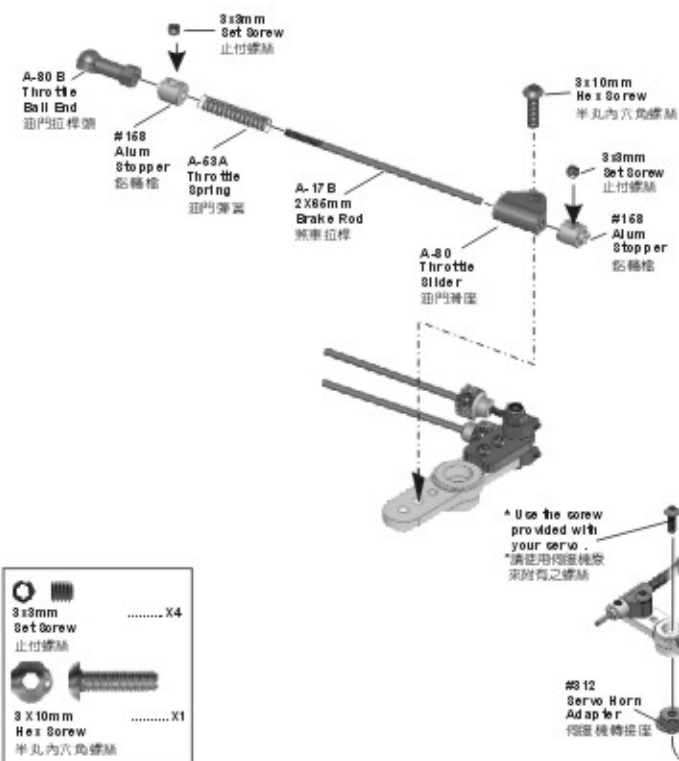
Step 2



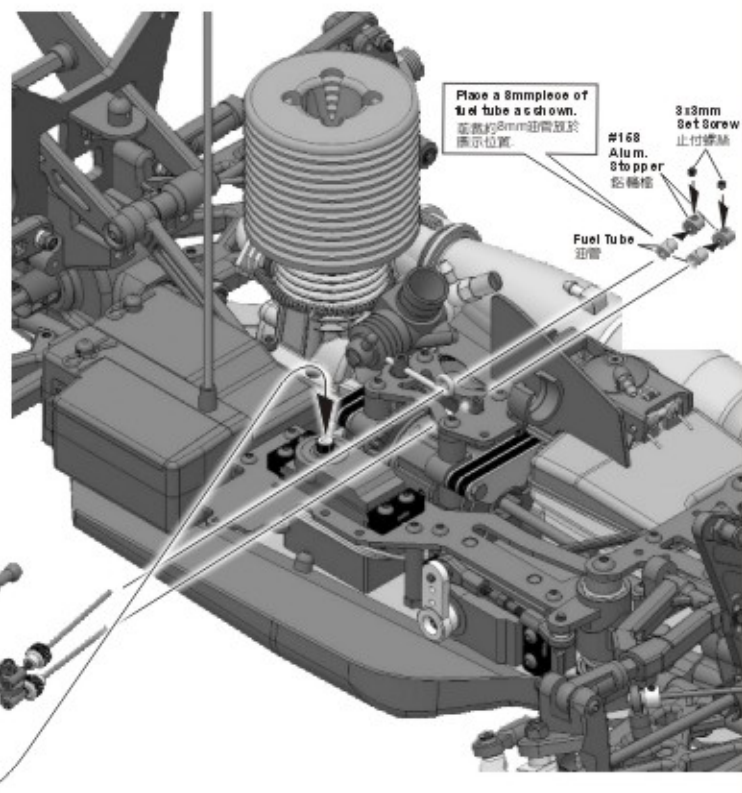
ASSEMBLY OF THE THROTTLE LINKAGES (Type A)

油門伺服盤與煞車調整組組合 (Type A)

Step 1



Step 2

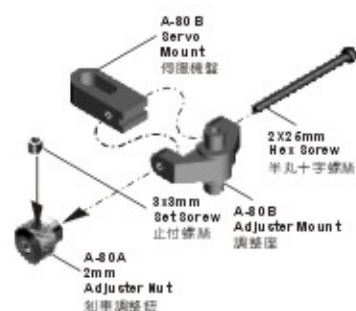


46 ASSEMBLY OF THE THROTTLE LINKAGE (Type B)

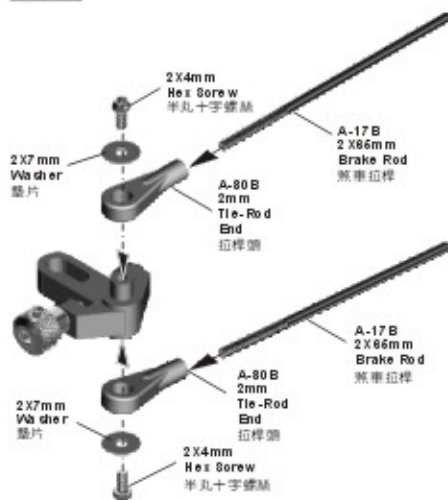
油門伺服盤與煞車調整組組合 (Type B)

Type B

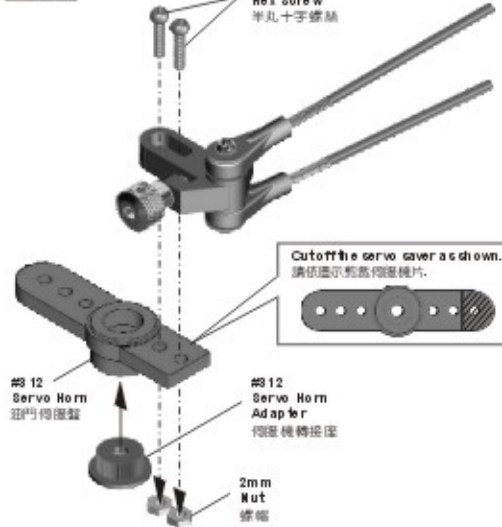
Step 1



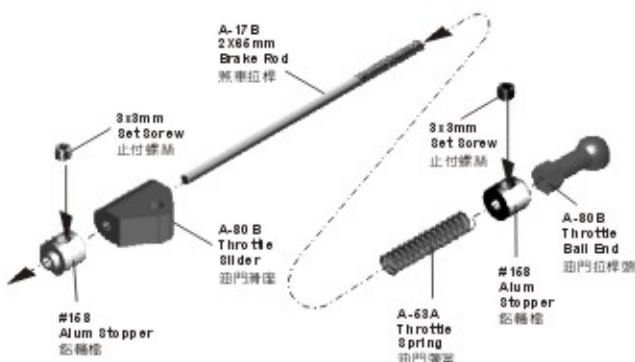
Step 2



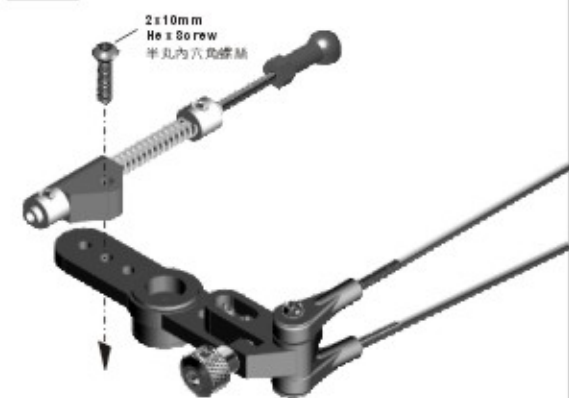
Step 3



Step 4



Step 5



- M2 Nut 螺帽X2
- M3 x3 Set Screw 止付螺絲X3
- 2x4mm Hex Screw 半孔十字螺絲X2
- 2x8mm Hex Screw 半孔十字螺絲X2
- 2x10mm Hex Screw 半孔內六角螺絲X1
- 2x7mm Washer 墊片X2

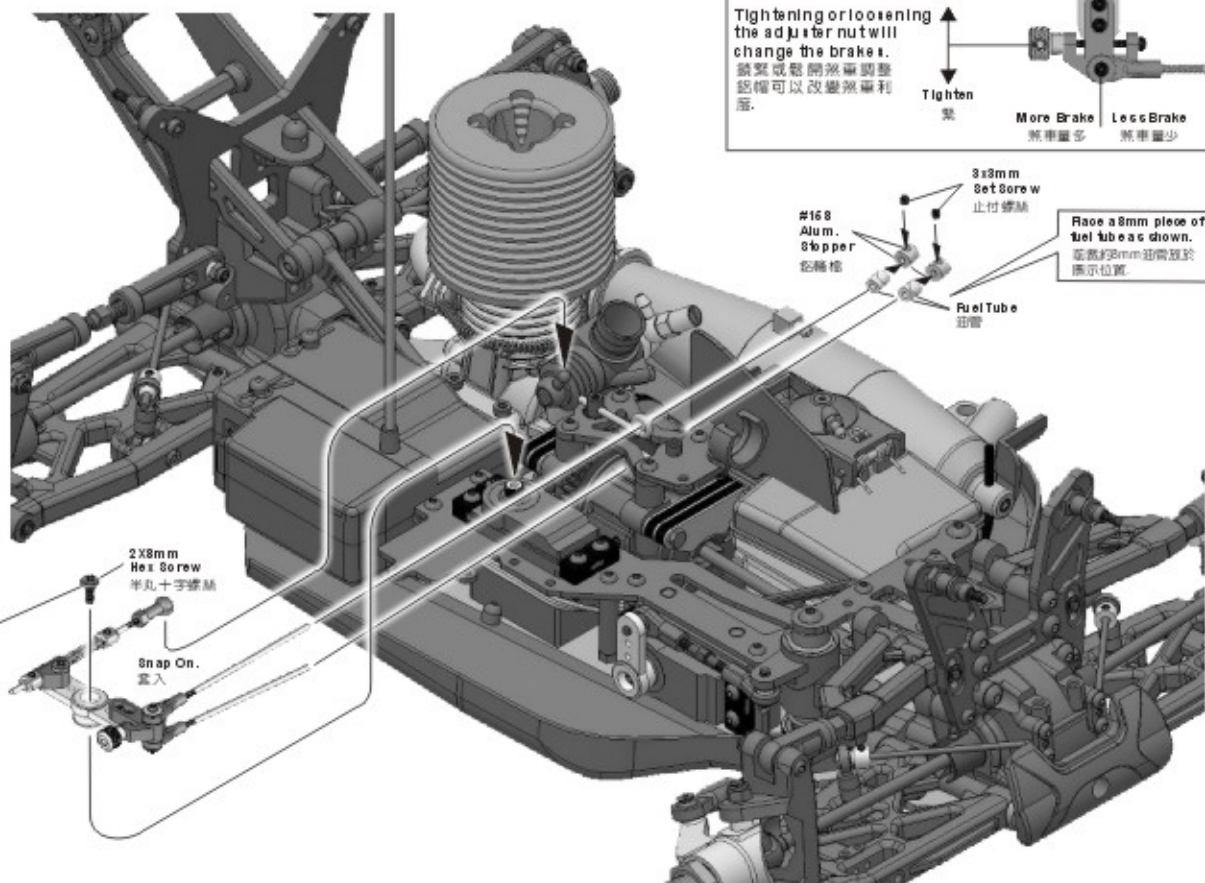
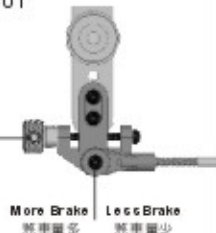
ASSEMBLY OF THE BRAKE LINKAGE INTO BRAKE LEAVE (Type B) 油門伺服器與煞車調整組組合(TypeB)

USING BRAKE ADJUSTER NUT
使用煞車調整銘帽

Tightening or loosening the adjuster nut will change the brake.
鎖緊或鬆開煞車調整銘帽可以改變煞車力度。

Loose
鬆
Tighten
緊

More Brake
煞車量多
Less Brake
煞車量少



* Use the screw provided with your servo.
*請使用伺服機殼內附有的螺絲。

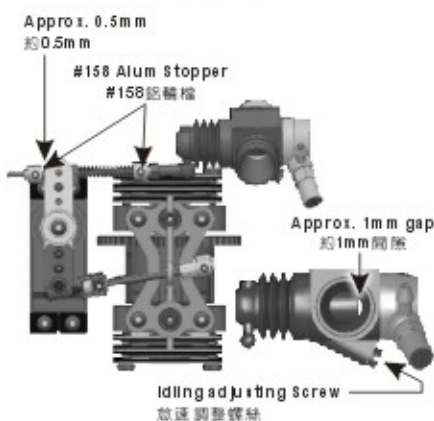
M3 x3
Set Screw
止付螺絲

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 then Receiver and set the Engine Control Servo Trim to the neutral position.

* Adjust the idling adjusting screw on the Carburetor to be open approx. 1mm gap.

* Adjust both of the #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器片在中立位置。

* 調整怠速螺絲使化油器開口約1mm間隙。

* 調整 #158 鉗輪檔與油門滑座約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。

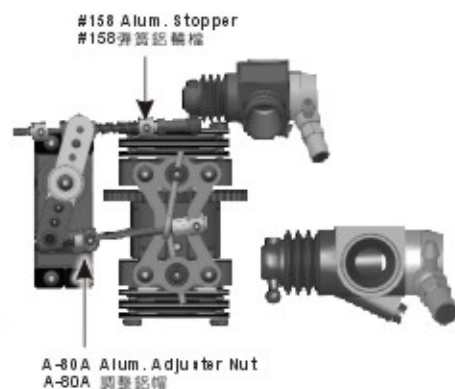


* Adjust the Servo-Horn mounting position for the Carburetor to be fully open.

* Change the pivot mounting position on the servo horn in case the Carburetor is not opening fully or if it is opening excessively. Or if available on the Transmitter, adjust the Throttle high end point.

* 將遙控器油門開放在全速位置。

* 如果化油器開啟不足或過盛，請改變油門滑座和伺服器片的安裝孔位，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 brake works smoothly.

* If the brake 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.

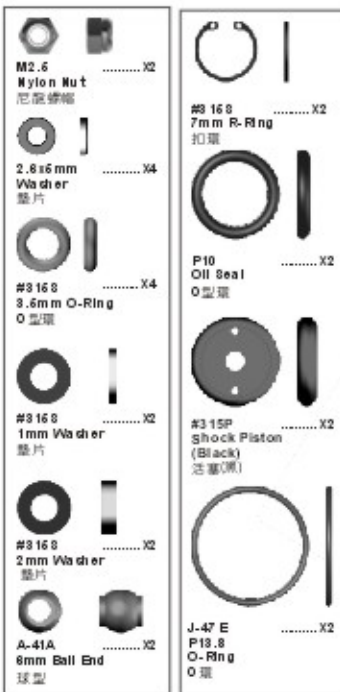
* 調整彈簧鉗輪檔使煞車動作滑順。

* 如果煞車不足或過盛，請適度調整 #158 鉗輪檔位置，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 調整銘帽，改變前 / 後煞車力度。

48 ASSEMBLY OF THE FRONT SHOCKS

前避震器組合



Step 1



Step 2

1. Pull down piston and pour oil into shock cylinder.
2. To remove air bubbles by slowly moving piston up and down.



Build 2 front shocks

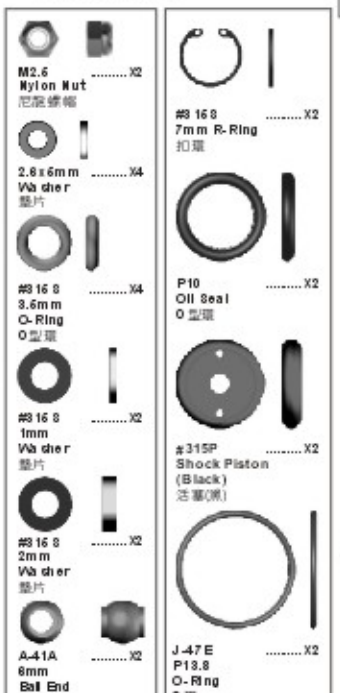
請組合2個前避震器

3. Pull down piston, attach pressure cap top and shock oil verto w with tape paper.
3. 拉下活塞並放入氣室，用紙膠紙抵抗漏出的油氣。



49 ASSEMBLY OF THE REAR SHOCKS

後避震器組合



Step 1



Step 2

1. Pull down piston and pour oil into shock cylinder.
2. To remove air bubbles by slowly moving piston up and down.



Build 2 rear shocks

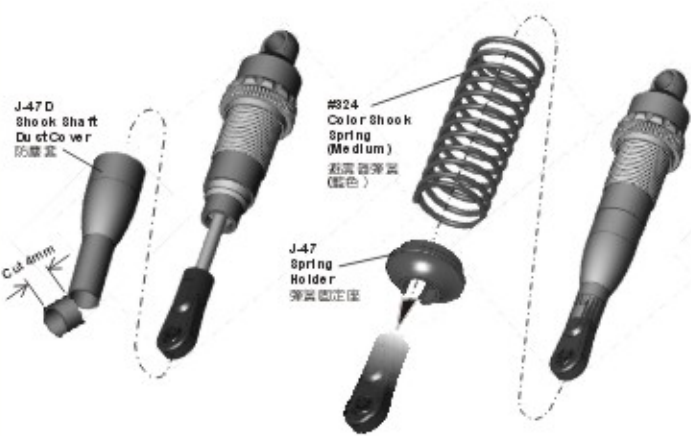
請組合2個後避震器

3. Pull down piston, attach pressure cap top and shock oil verto w with tape paper.
3. 拉下活塞並放入氣室，用紙膠紙抵抗漏出的油氣。



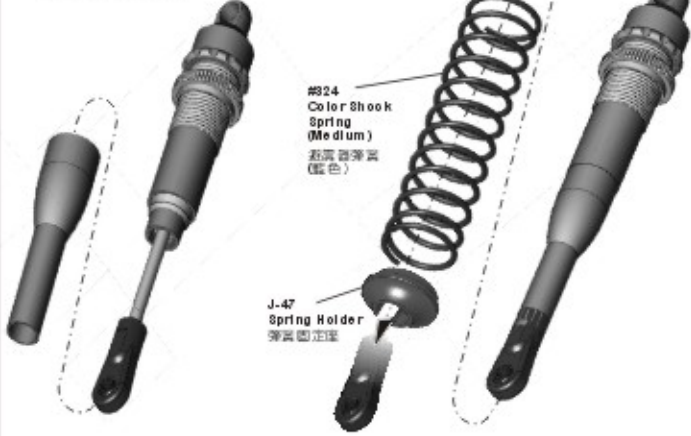
50 ASSEMBLY OF THE FRONT SHOCK SPRINGS

前避震器組合



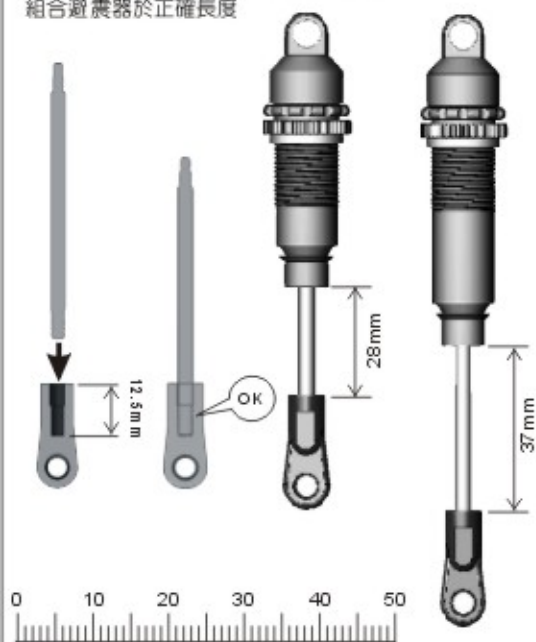
51 ASSEMBLY OF THE REAR SHOCK SPRINGS

後避震器組合



CORRECT SHOCK ASSEMBLY

組合避震器於正確長度

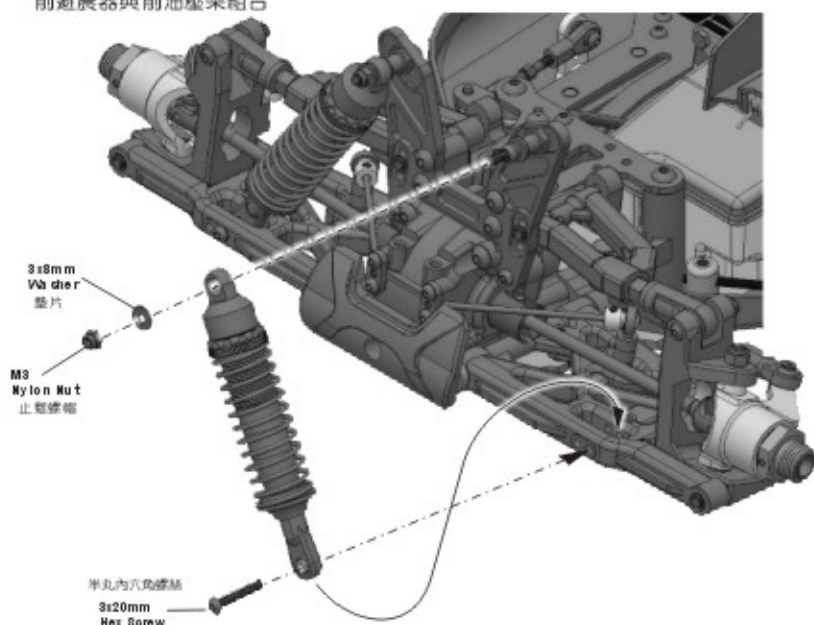


52

ASSEMBLY OF THE FRONT SHOCK ABSORBER

前避震器與前油壓架組合

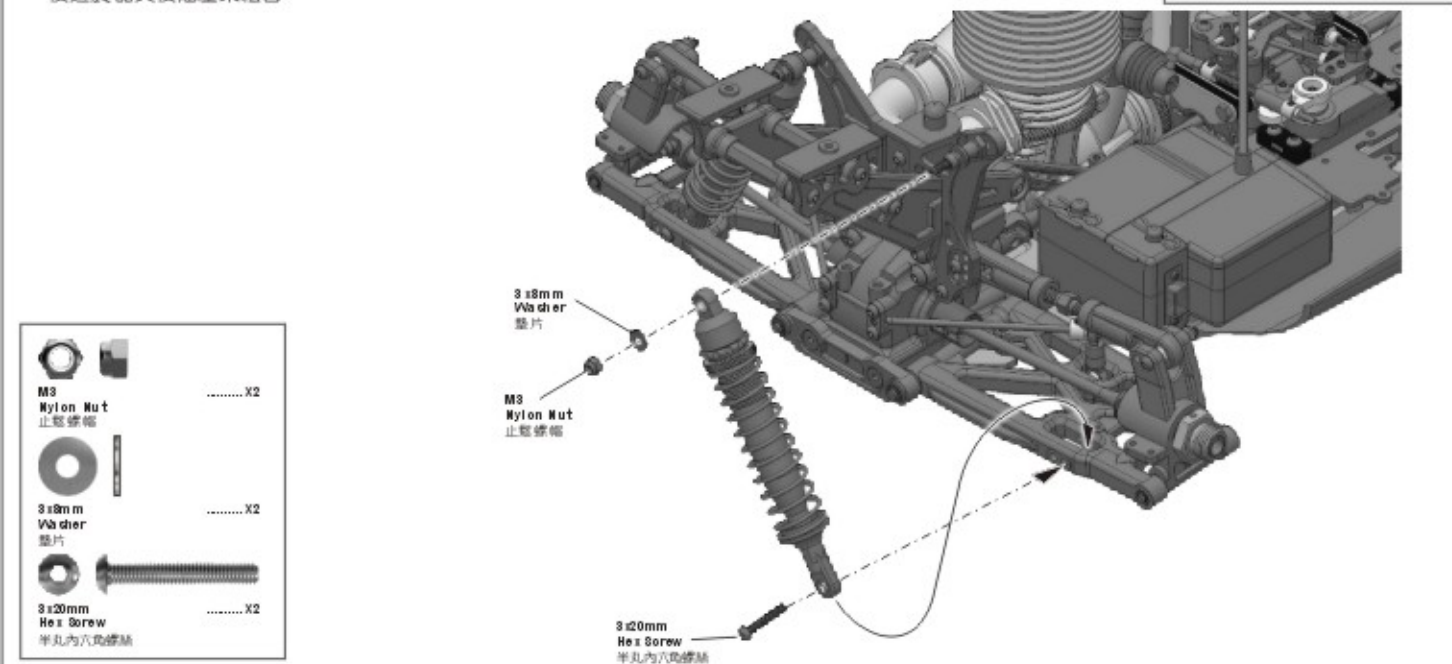
Assembly both right and left side.
請組合左 / 右兩側



53 ASSEMBLY OF THE REAR SHOCK ABSORBER

後避震器與後油壓架組合

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



54 ASSEMBLY OF THE AIR FILTER

空氣過濾器組合

Step 1

#368 Air Filter Cap
空氣過濾器上蓋

3x8mm Hex Screw
半孔內六角螺絲

Step 2

Apply filter oil to the foam before use.
請先使用濾油器潤滑
空氣過濾器。

A-81 Nylon Strap
(Small)
束帶(小)

#368 B Air Filter Connector
空氣過濾器接管

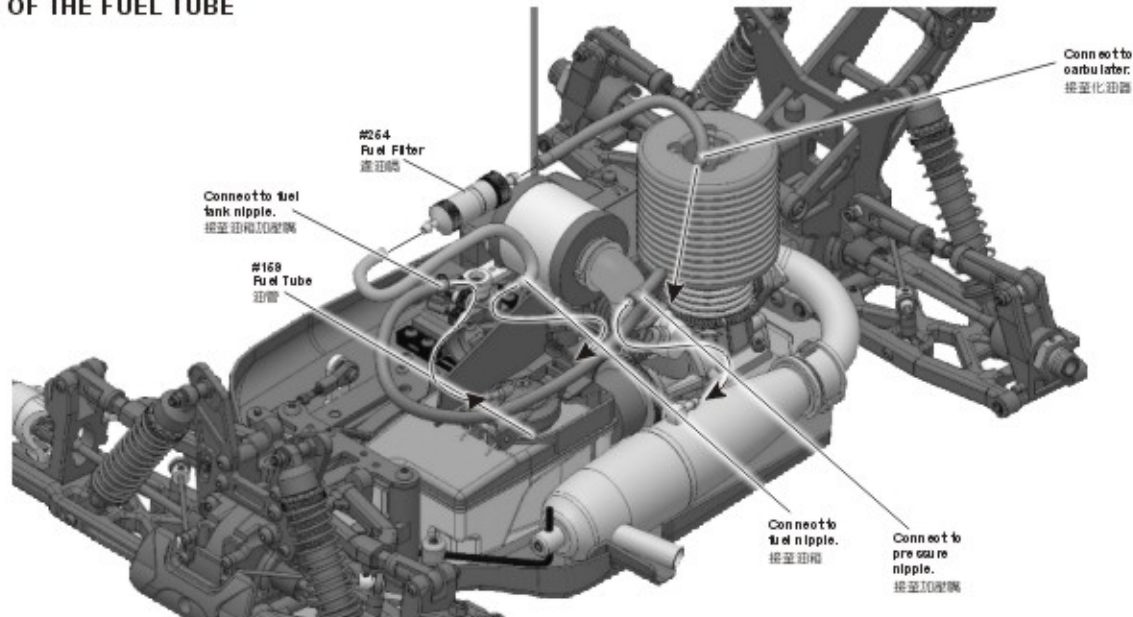
#368 Air Filter Mount
空氣過濾器座

#368A Air Filter Foam
空氣過濾器海綿

3x8mm Hex Screw
半孔內六角螺絲

A-81 Nylon Strap
(Small)
束帶(小)

55 ASSEMBLY OF THE FUEL TUBE 油管組合

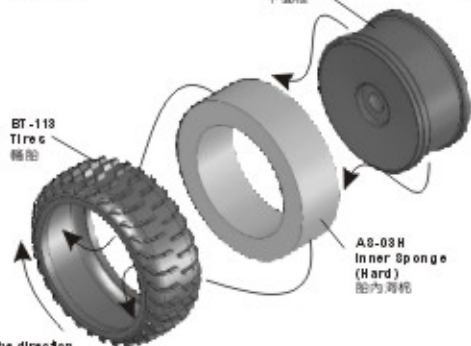


56 ASSEMBLY OF THE TIRES AND WHEELS 輪胎與輪圈組合

Step 1

Make two tires for the right side are the same.
請組合2個右胎。

#288 Y Wheel (Yellow)
平齒圈

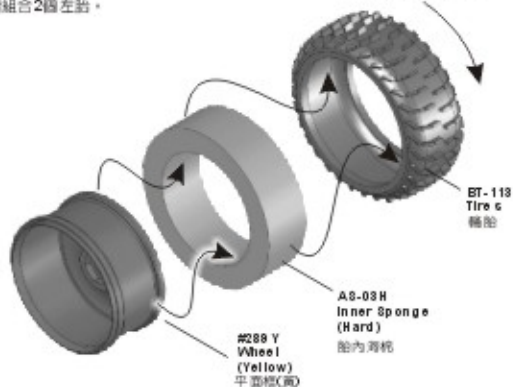


*Notice the direction of tyre.
*請注意輪胎方向性。

Step 2

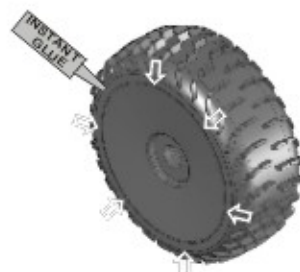
Make two tires for the left side are the same.
請組合2個左胎。

*Notice the direction of tyre.
*請注意輪胎方向性。



Step 3

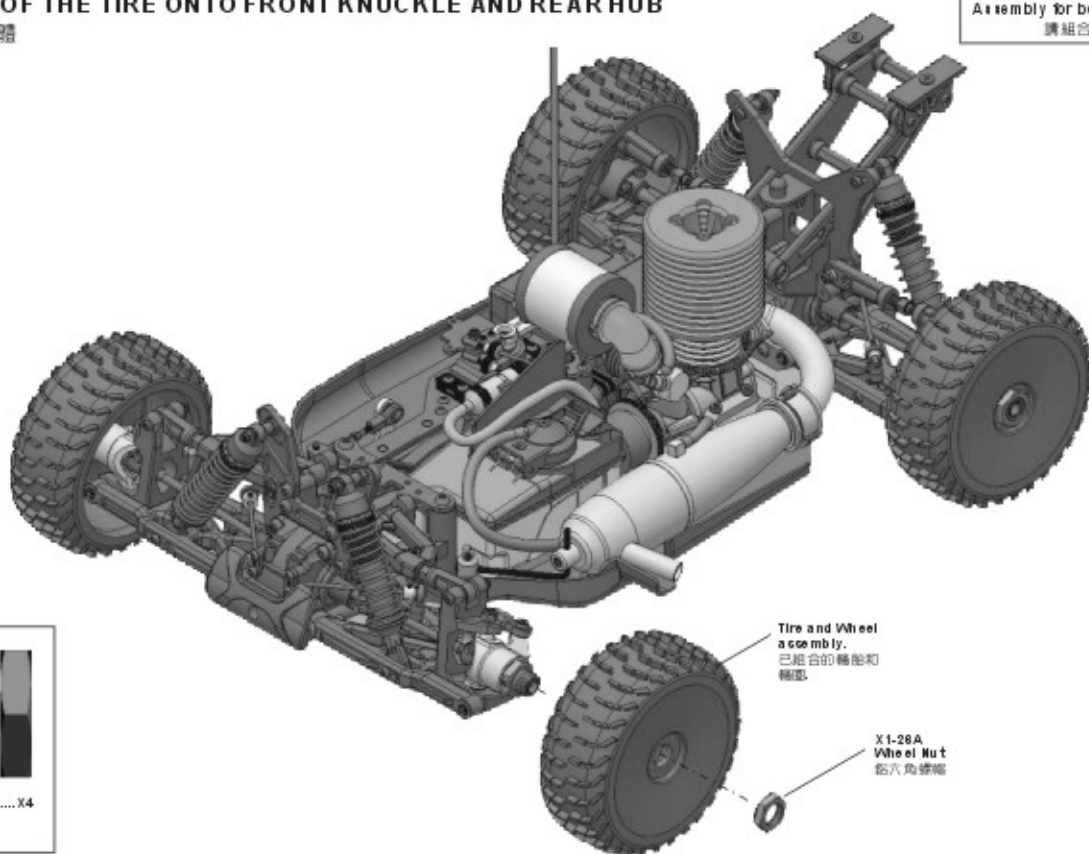
Apply instant glue into the groove of the wheel.
請在輪圈與輪胎接合處用瞬間膠水粘合。



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

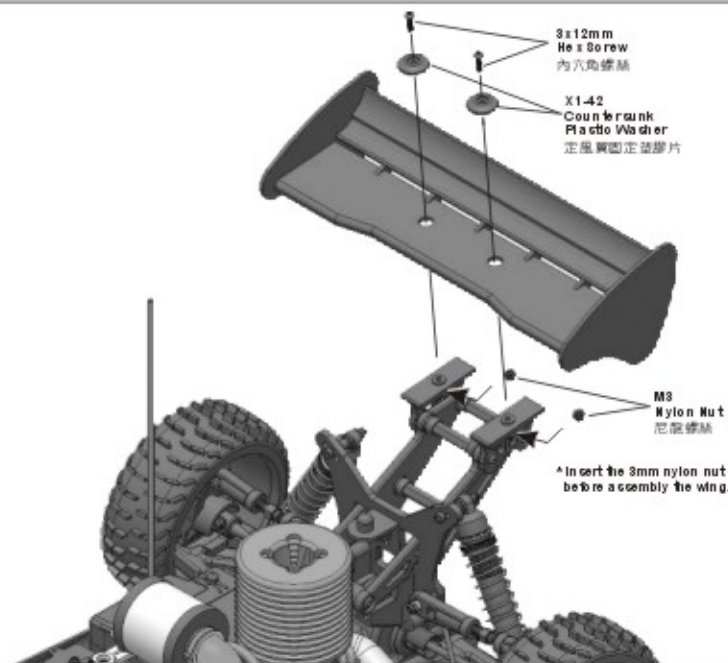
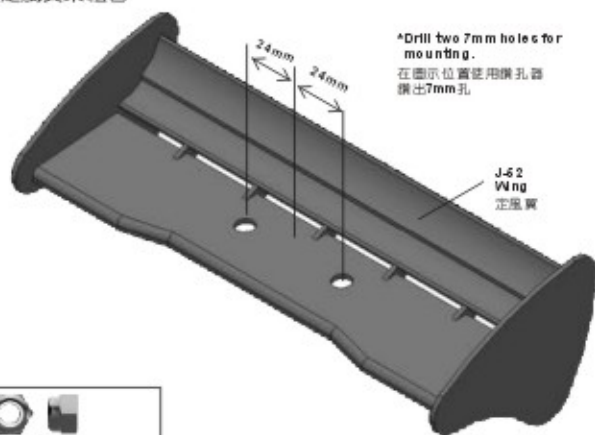
安裝輪胎至車體

Assembly for both right and left side
請組合左 / 右兩側



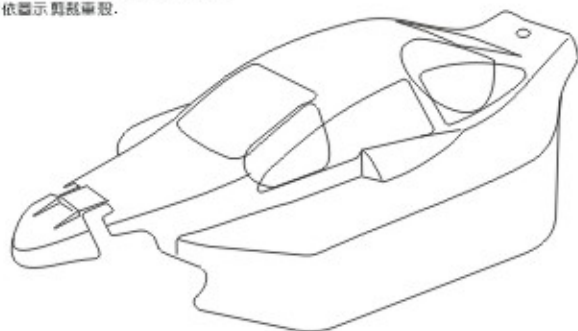
X1-26A Wheel Nut
鉛八角螺帽

58 ASSEMBLY OF THE WING 定風翼架組合

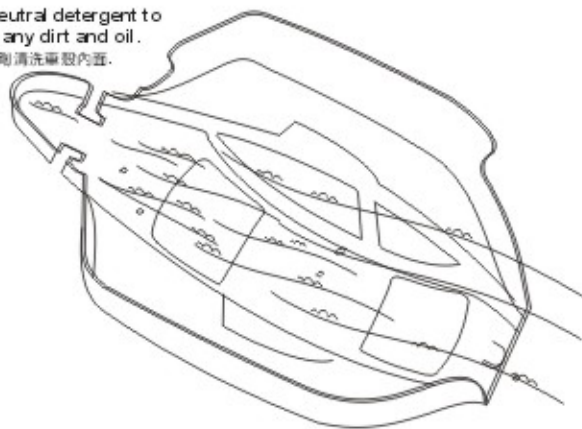


59 CUTTING OUT THE BODY AND PAINTING 剪裁車殼

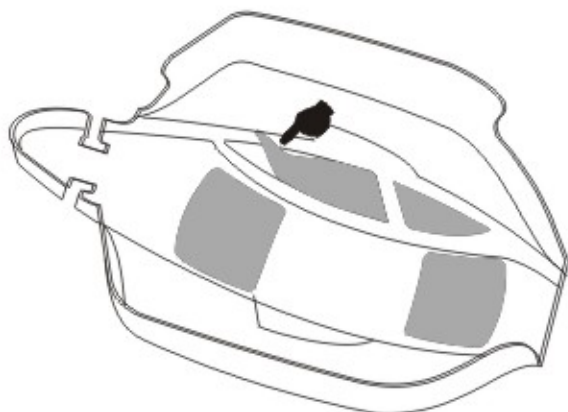
- ① Cut out the body as shown.
請依圖示剪裁車殼。



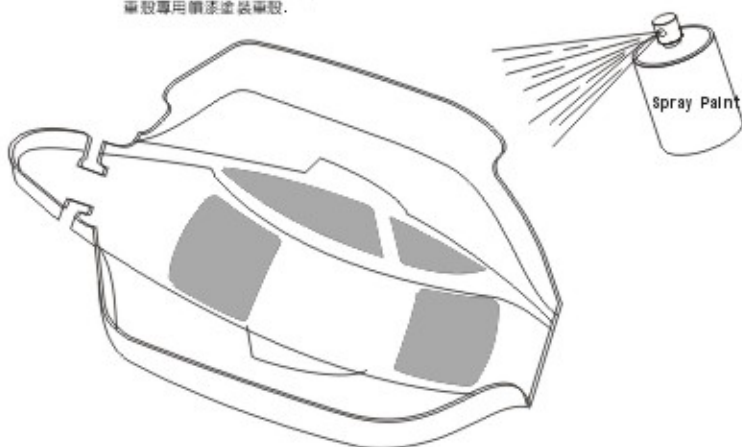
- ② Use a neutral detergent to remove any dirt and oil.
使用清潔劑清洗車殼內蓋。



- ③ Mask the windows from the inside with masking tape.
使用車殼覆蓋紙由內蓋貼上車殼部份。



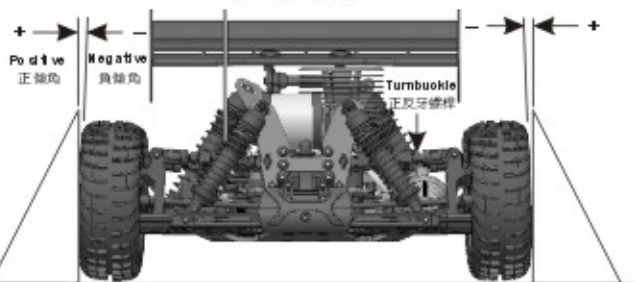
- ④ Paint the body with polycarbonate spray paints.
由內蓋貼上彩繪貼紙再使用車殼專用噴漆塗裝車殼。



SETTING GUIDE 輪胎角度設定

FRONT CAMBER ANGLE SETTING

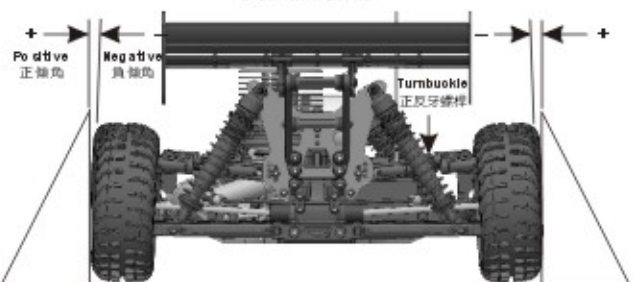
前胎輪傾角調整



Place the model car on flat surface. Raise the chassis to its 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 arm, 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. 將車體放置在平整表面上並保持在正接觸地高度。調整上控制臂長度使輪胎與地面垂直(0度)。
2. 調整上控制臂“正反牙螺桿”長度可改變正負傾角設定。加長上控制臂一傾角變為一正傾角。縮短上控制臂一傾角變為一負傾角。(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

NEUTRAL POSITION

中立

TOE-IN

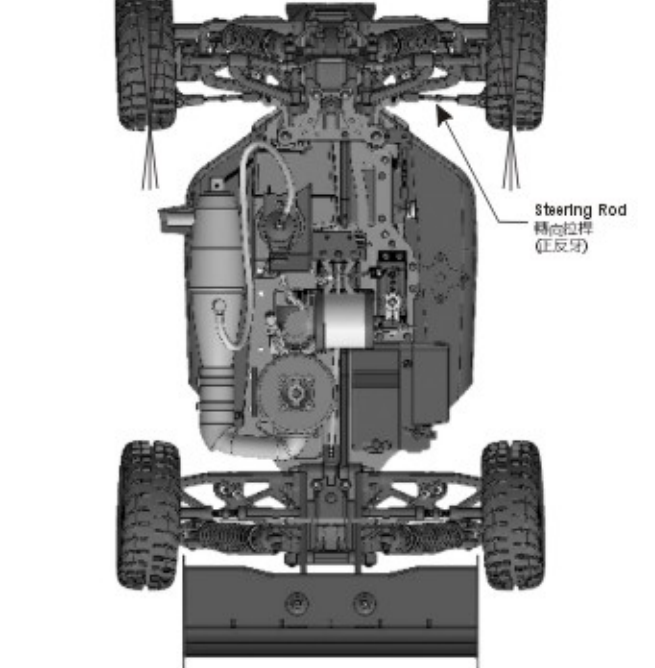
內束角

TOE-OUT

外束角

TOE-OUT

外束角



Steering Rod
轉向拉桿
(正反牙)

Adjust the length of front steering rod to change the toe angle.

Making the rod longer will make the front tire become toe-in. Response will be slower and will over steer.

Making the rod shorter will make the front tire become toe-out. Response will be quicker and will under steer.

改變前輪轉向拉桿之長度可以改變前輪“內束角/外束角”。

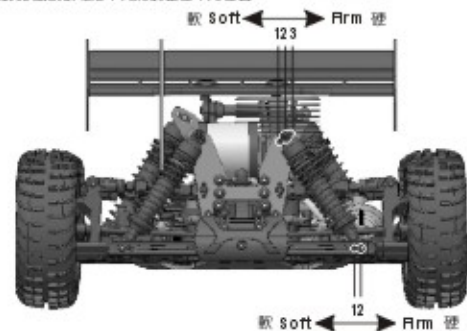
1. 將前輪轉向拉桿拉長，車輛會變為內束角。此為轉向反應會變慢，並且有轉向過度情形產生。

2. 將前輪轉向拉桿拉短，車輛會變為外束角。此為轉向反應會變快，並且有轉向不足情形產生。

FRONT SHOCK ANGLE SETTING

前避震器角度調整

前避震器角度會因安裝在不同位置，而會使懸吊系統產生不同避震變化。前避震器安裝位置前在車體中心，懸吊反應靈敏。前避震器系統較硬不同會產生不同轉向特性。前避震器安裝孔位，請依場地不同而調整在不同位置。

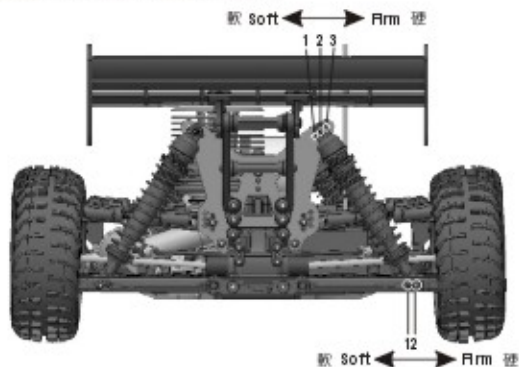


Firm front suspension, less steering. 前輪硬-轉向不足
Soft front suspension, more steering. 前輪軟-轉向過度

REAR SHOCK ANGLE SETTING

後避震器角度調整

後避震器角度會因安裝在不同位置，而會使懸吊系統產生不同避震變化。後避震器安裝位置前在車體中心，懸吊反應靈敏。後避震器系統較硬不同會產生不同避震力特性。後避震器安裝孔位，請依場地不同而調整在不同位置。



Firm rear suspension, over steering. 後輪硬-轉向過度
Soft rear suspension, under steering. 後輪軟-轉向不足

STARTING OF THE ENGINE

啟動引擎

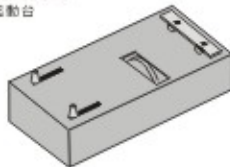
How to start the engine:

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 12V starter.
(Note the direction of the starter.)
5. After the engine be 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啟動器啟動引擎。(注意啟動器旋轉方向)
5. 引擎啟動後移開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。

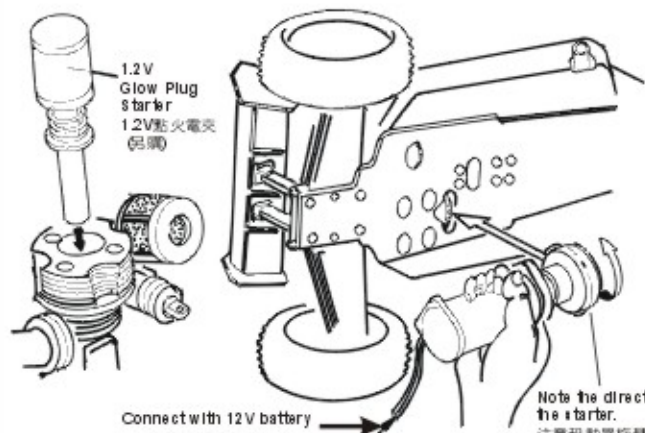
Starter Box
啟動台



Starter rubber ring to rear.
(Insert starter rubber ring on the 12V starter.)



To start the engine, it's equipped with a high power 12V DC starter or starter box. 啟動引擎請使用強力12V啟動器或啟動台。



Connect with 12V battery
連接至12V電池
(另購)

Note the direction of the starter.
注意啟動器旋轉方向。

-
- OPEN
-
-
- MEDIUM
-
-
- TIGHT

-
- HIGH
-
-
- MEDIUM
-
-
- LOW

-
- DUST
-
-
- MEDIUM
-
-
- BUMPY

Driver: _____

 Date: _____ / _____ / _____ AirTemp: _____ F C

Front Suspension

Shock Spring: _____ Blue _____

 Shock Piston: Standard Drilled _____

Shock Oil wt: _____

 Shock Length
 (Center to Center) _____ mm

 Toe-IN: _____

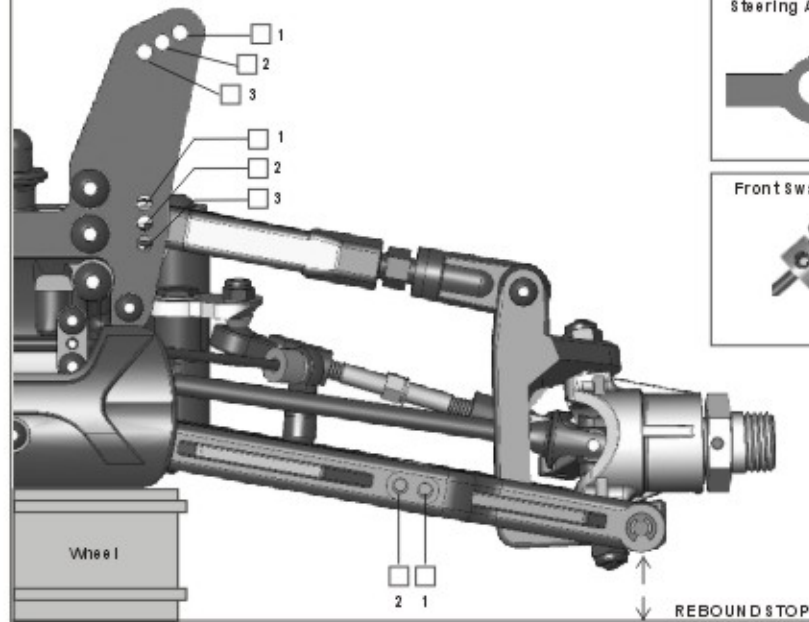
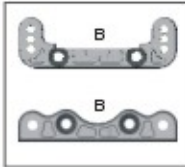
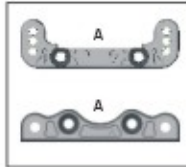
 Toe-Out: _____

Front Ride Height: _____ mm

 Sway Bar: 2mm 2.3mm 2.5mm
 _____ None

 Camber: Neg: _____

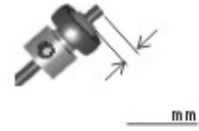
 Pos: _____

 Caster Block: A/A B/B


Steering Ackerman Location



Front Sway Bar Preload


 Notes: _____

Rear Suspension

Shock Spring: _____ Blue _____

 Shock Piston: Standard Drilled _____

Shock Oil wt: _____

 Shock Length
 (Center to Center) _____ mm

Rear Ride Height: _____ mm

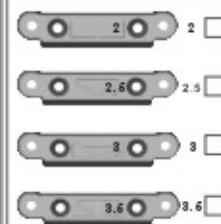
 Sway Bar: 2.3mm 2.5mm 2.8mm
 _____ None

 Camber: Neg: _____

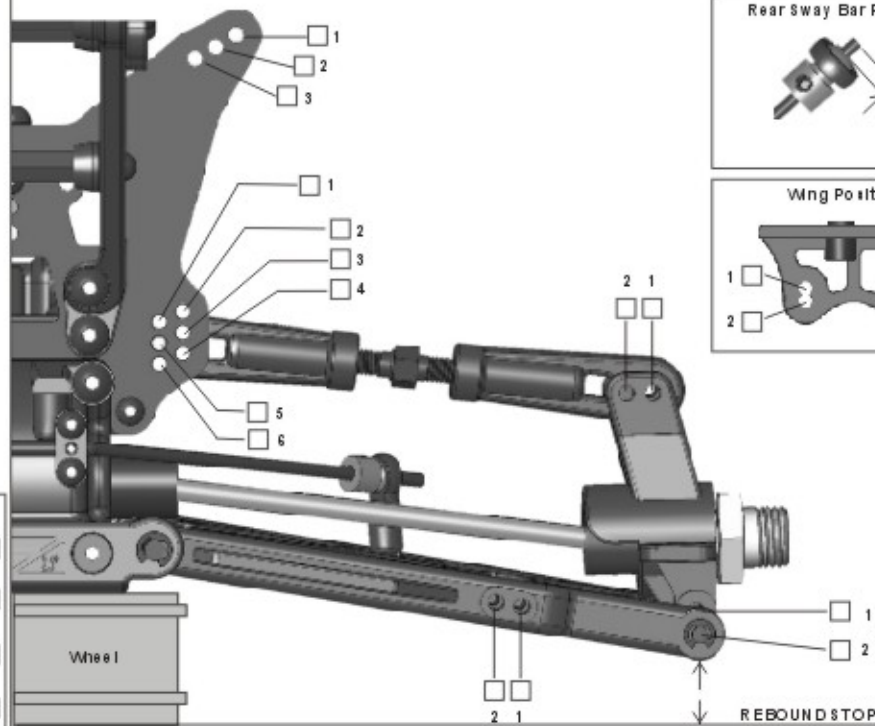
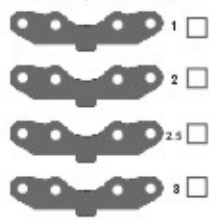
 Pos: _____

 Rear Hub/Wheelbase: Forward Middle
 Back

Rear Toe-In Plate



Anti-Squat Plate



Rear Sway Bar Preload



Wing Position



Differential

 Front Type: STD Torsen Oil: _____ K

 Center Type: STD Torsen Oil: _____ K

 Rear Type: STD Torsen Oil: _____ K

Tires

Front Type: _____ Compound _____ Insert Foam: _____

Rear Type: _____ Compound _____ Insert Foam: _____

Note: _____

Engine

Type: _____ Port: _____

 Plug: _____ Normal Turbo

Head Clearance: _____

Pipe: _____

Fuel Brand: _____ / _____ %

CLUTCH

 Shoe Brand: _____ Compound _____ ALUM: Blue Purple

Spring Brand: _____ Tension _____ mm

 Gearing: 13T 14T To 46T 48T

Note: _____

Clutch Shoes:

-
- 2 Shoe
-
-
- 3 Shoe
-
-
- 4 Shoe
-
-
- _____

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