

X3 SABRE e

Brushless System Conversion Kit

INSTRUCTION MANUAL 組合說明書

Not Included: Electric Speed Control, Brushless Motor and Battery
本套件不包含:電子變速器, 無刷馬達及各式電池

HONG NOR

QUALITY RIC MODEL PRODUCTS

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XIZHI CITY, TAIPEICOUNTY,
TAIWAN, R.O.C.

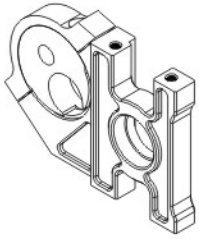
TEL: 886 2-2694-0345
FAX: 886 2-2694-1632

www.hongnor-racing.com

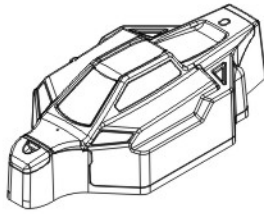
包裝內容以實際出貨為準. 規格配備內容更改恕不另行通知.
SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

PARTS REFERENCE 零件圖

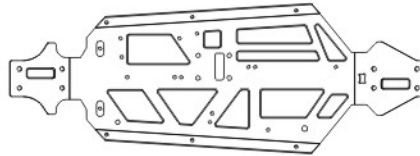
X2S-16A 1pcs



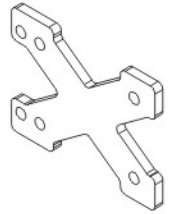
X3S-17A 1pcs



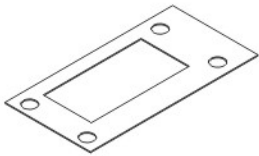
X3S-17B 1pcs



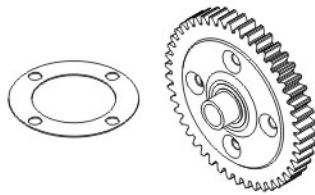
X3S-17C 1pcs



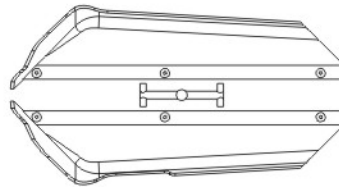
X3-64 2pcs



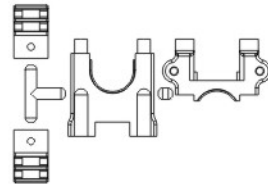
X3S-17D 1pcs



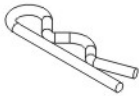
XT-28 1pcs



XT-31 1pcs



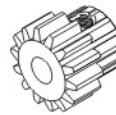
E-41 1pcs



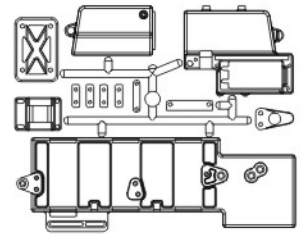
#364 1pcs



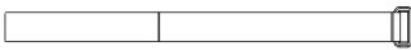
#397-14 1pcs



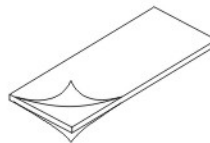
#395 1pcs



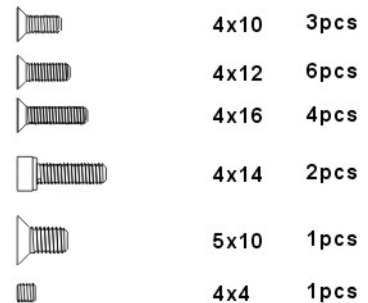
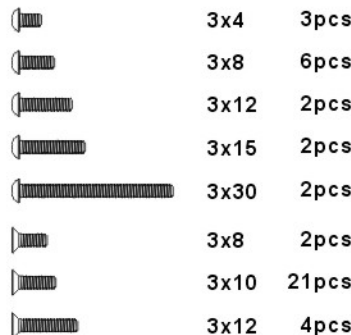
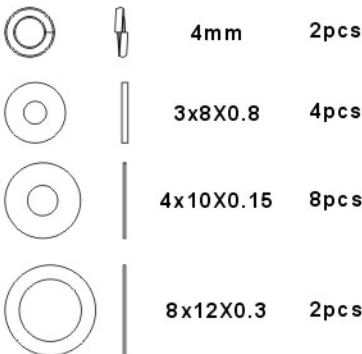
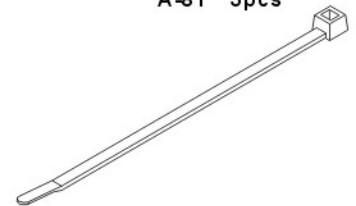
#396 3pcs



E-42(8x25mm) 2pcs



A-81 3pcs

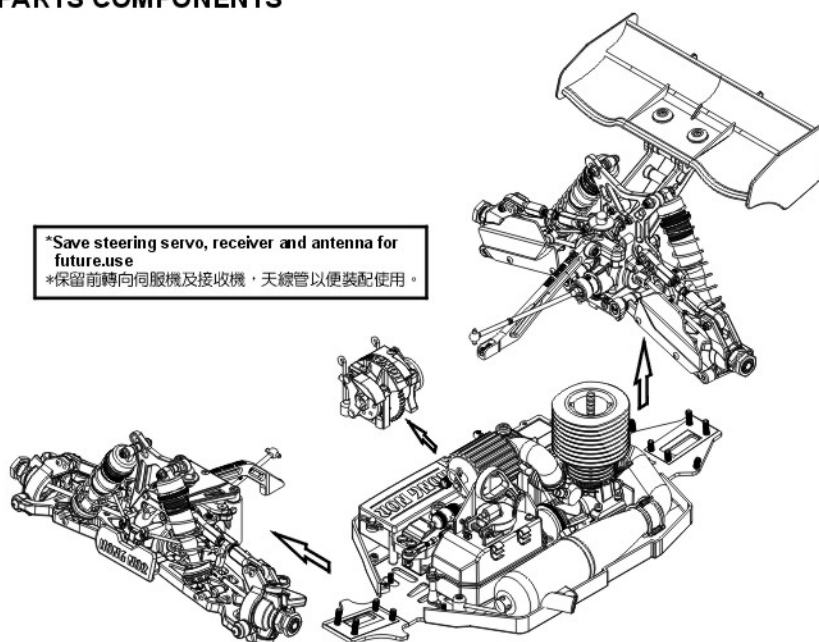


SYMBOLS USED THROUGHOUT THE INSTRUCTION MANUAL 說明書附註使用標示



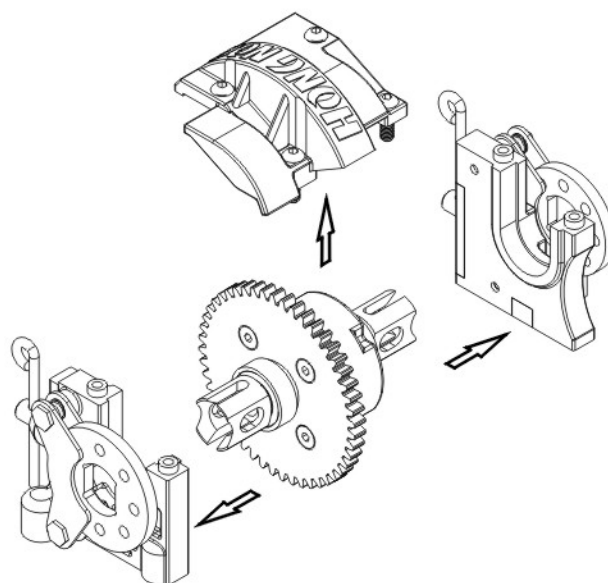
01 REMOVE THE NITRO PARTS COMPONENTS

移除油車的部份零件



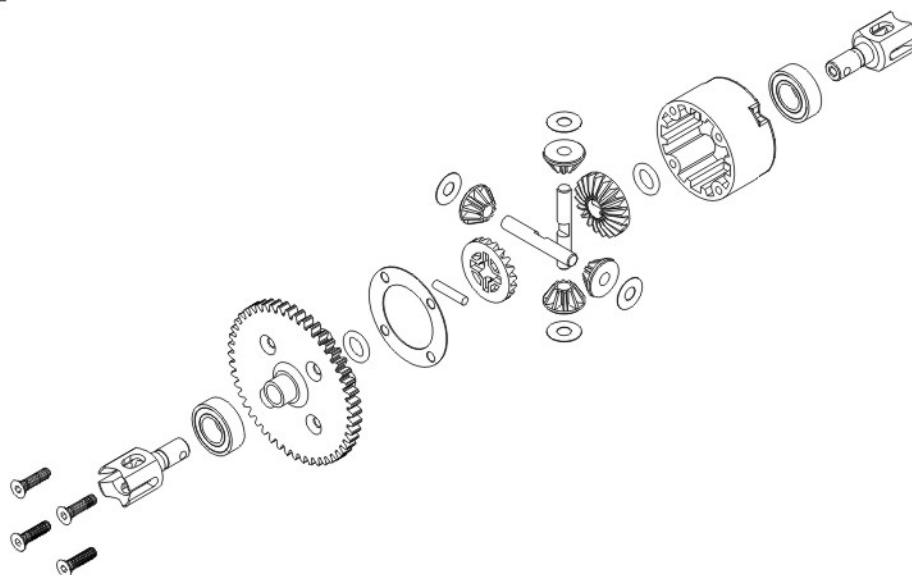
02 REMOVE THE CENTER DIFFERENTIAL COMPONENTS

移除中央差速器的部份零件



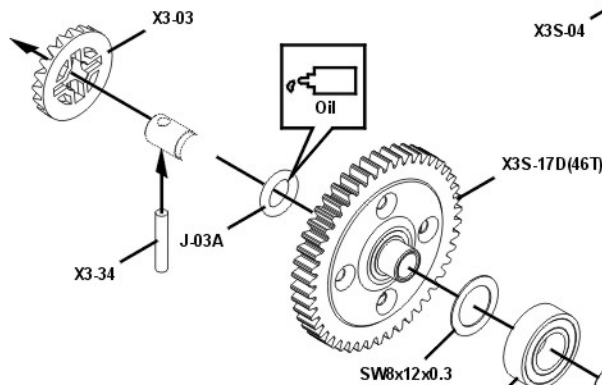
03 DISASSEMBLE THE CENTER DIFFERENTIAL

分解中央差速器零件

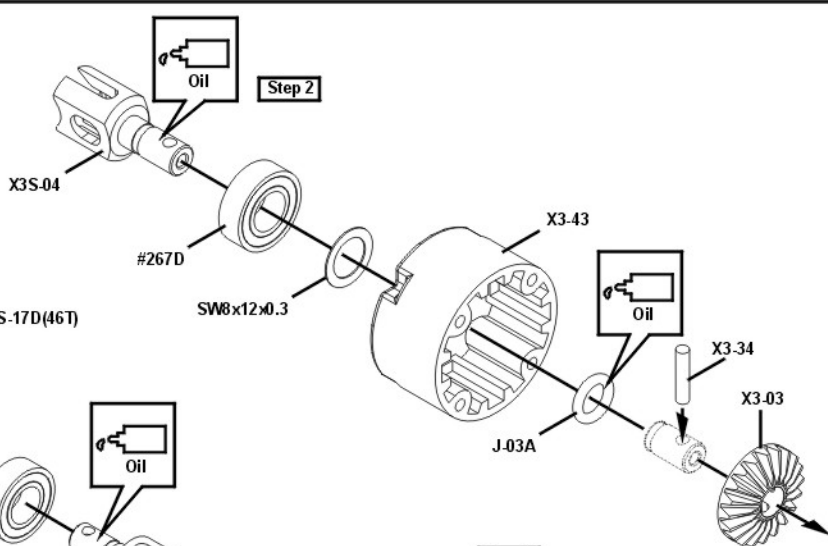


04 ASSEMBLY OF THE SPUR GEAR. 中央大直齒組合

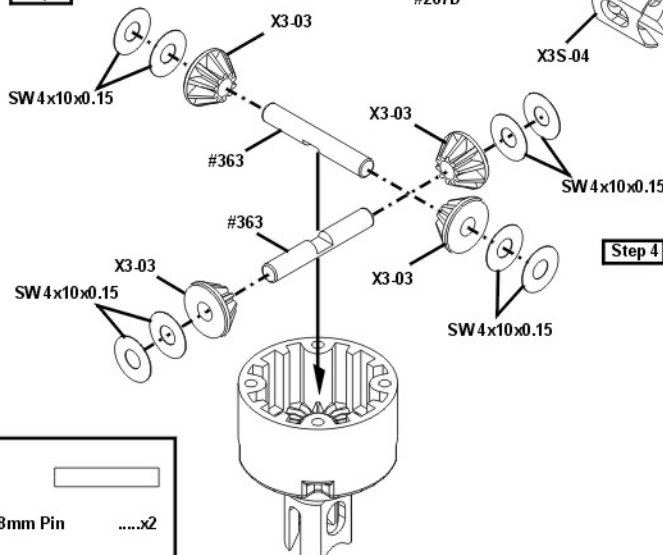
Step 1



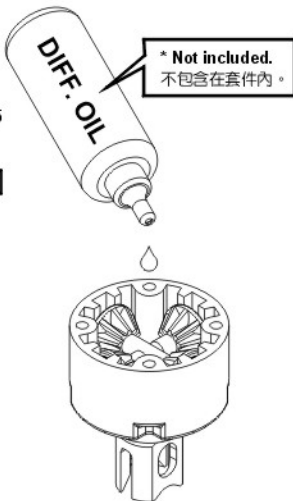
Step 2



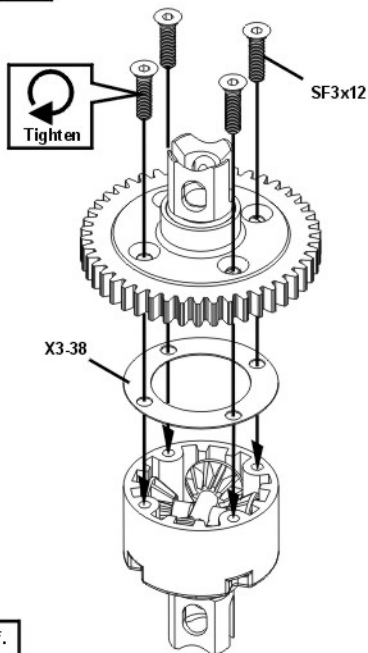
Step 3



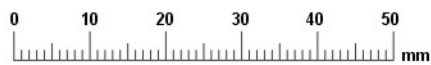
Step 4



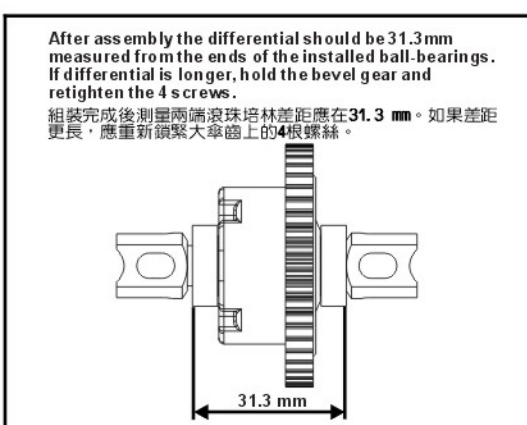
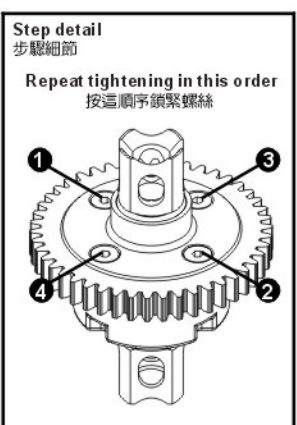
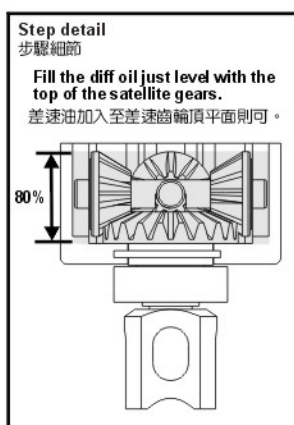
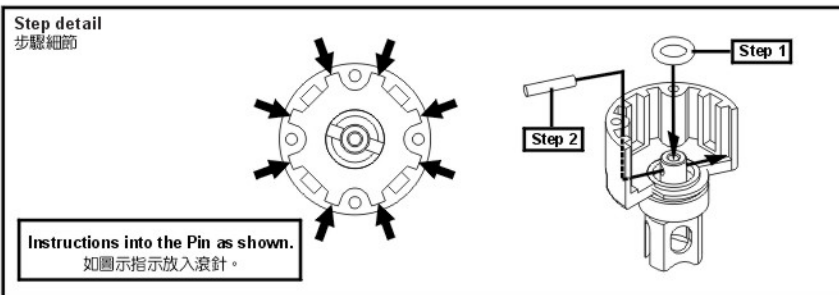
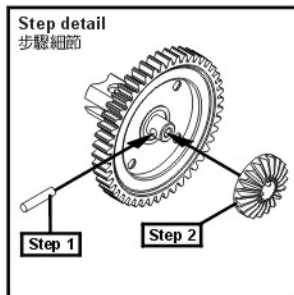
Step 5



Use the Diff. Oil #5000 for the center diff.
中差速器請使用 #5000 差速油。

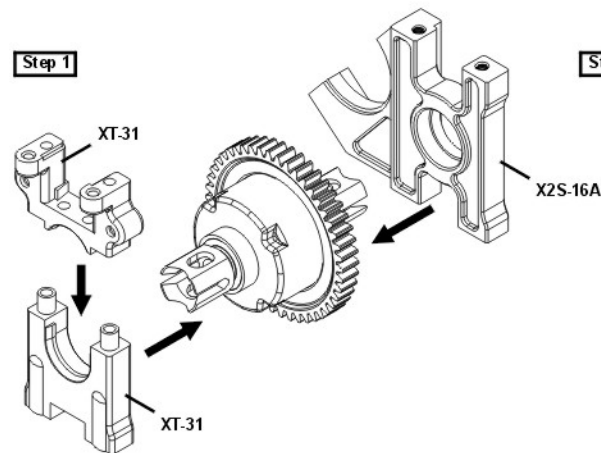


- X3-34
2.5x11.8mm Pinx2
滾針
- J-03A
P6 O-Ringx2
P6 O環
- #267D
8x16x5mm
Ball Bearingx2
培林
- SW 4x10x0.15
4x10x0.15mm
Washerx8
墊片
- SW8x12x0.3mm
Washerx2
墊片
- #363
4mm Alum. Cross Pinx2
4mm 鋁十字軸心
- SF3x12mm
Flat Head Hex Screwx4
皿頭內六角螺絲

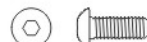
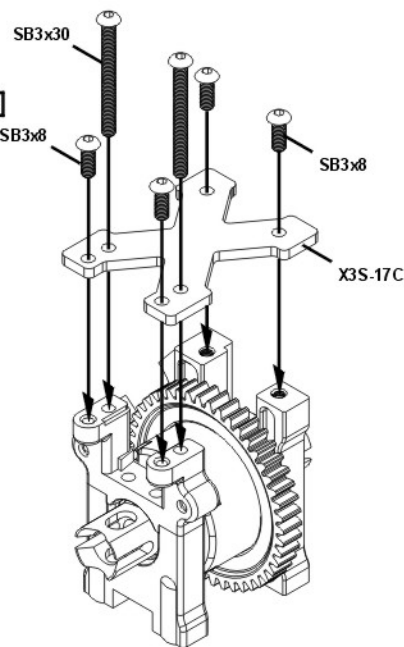


05 ASSEMBLY OF THE CENTER DIFFERENTIAL MOUNT
中差座組合

Step 1



Step 2



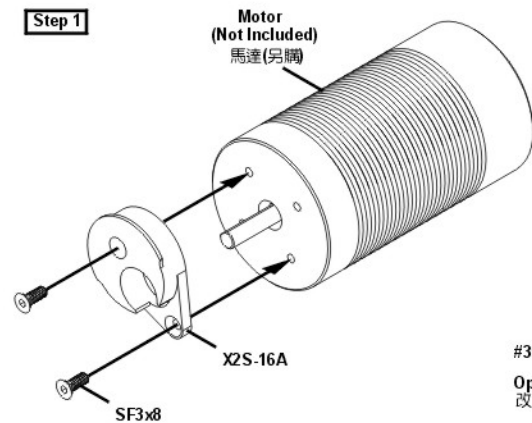
SB3x8mm
Hex Screw
半丸內六角螺絲x4



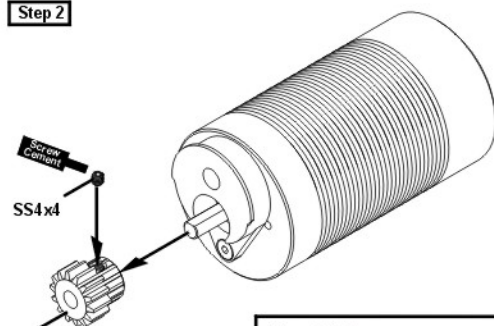
SB3x30mm
Hex Screw
半丸內六角螺絲x2

06 ASSEMBLY OF THE MOTOR GEAR
馬達座組合

Step 1



Step 2



SF3x8mm
Flat Head Hex Screw
半丸內六角螺絲x2



SS4x4mm
Set Screw
止付螺絲x1

#397-14(14T)

Option: #397-13 13T
改裝品 #397-15 15T
#397-16 16T
#397-17 17T

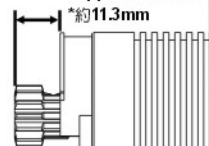


Step detail

步驟細節

*Approx. 11.3mm

*約11.3mm



07 ASSEMBLY OF THE MOTOR MOUNT
馬達座組合



SWS4x7mm
Spring Washer
彈簧墊片x2



SC4x14mm
Cap Screw
有頭內六角螺絲x2

SC4x14

SWS4x7
X2S-16A

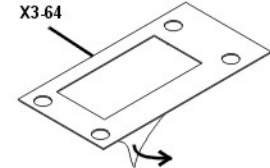
Tighten the SC4x14 screw temporary.

暫時鎖緊 SC4x14 螺絲。

08 ASSEMBLY OF THE STONE GUARD

防塵板組合

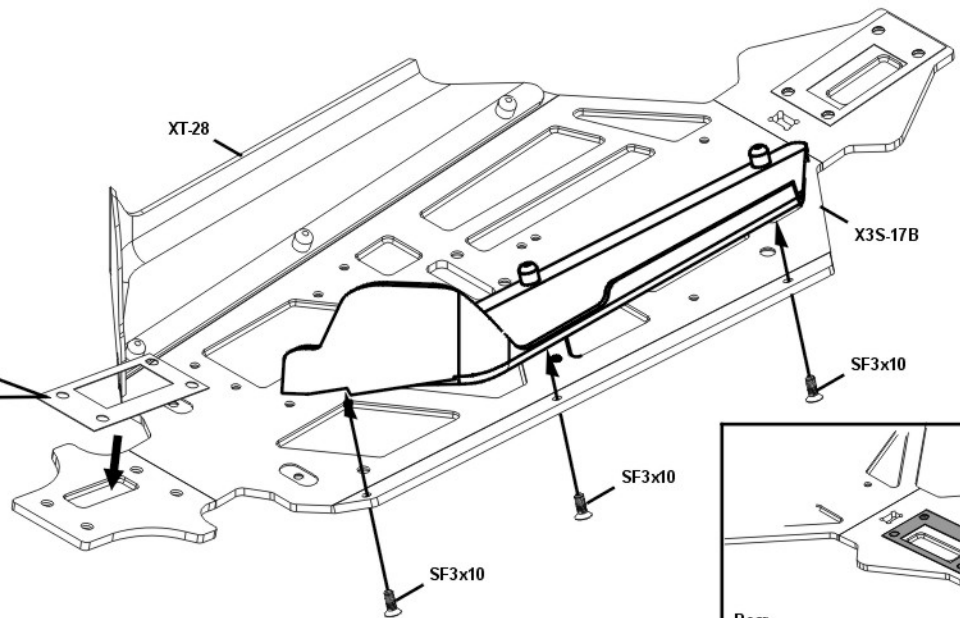
Assemble both right and left sides.
請組合左/右兩側。



請將背膠紙撕開後黏合至底盤上
Tear off the paper before use.



SF3x10mm
Flat Head Hex Screwx6
半丸內六角螺絲



Rear

09 ASSEMBLY OF THE FRONT GEAR CASE ONTO CHASSIS

組合前齒輪箱至底盤



SF3x10mm
Flat Head Hex Screwx4
血頭內六角螺絲



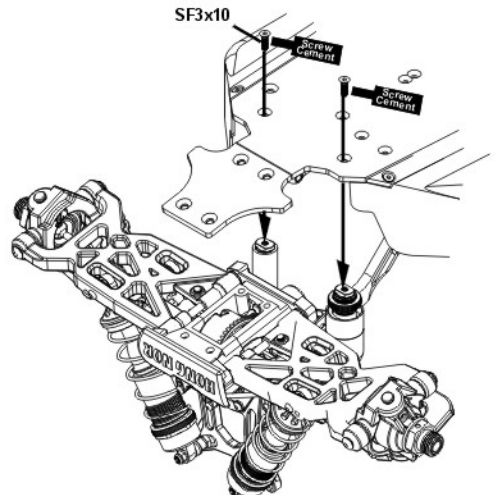
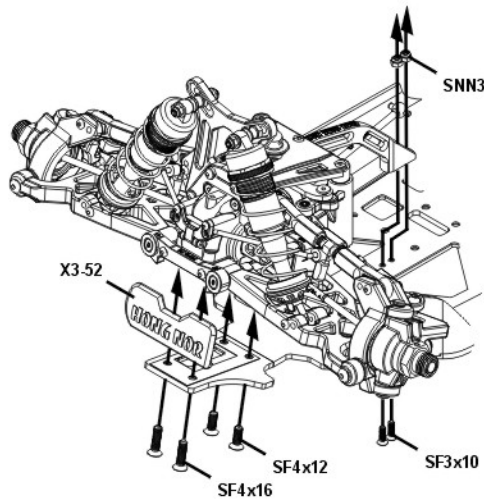
SF4x12mm
Flat Head Hex Screwx2
血頭內六角螺絲



SF4x16mm
Flat Head Hex Screwx2
血頭內六角螺絲



SNN3mm
Nylon Nutx2
尼龍螺帽



10 ASSEMBLY OF THE REAR GEAR CASE ONTO CHASSIS

組合後齒輪箱至底盤



SF3x10mm
Flat Head Hex Screwx2
血頭內六角螺絲



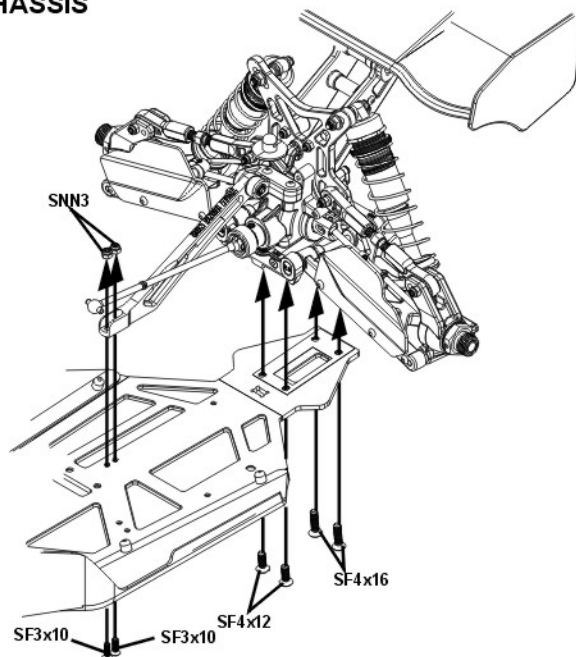
SF4x12mm
Flat Head Hex Screwx2
血頭內六角螺絲



SF4x16mm
Flat Head Hex Screwx2
血頭內六角螺絲



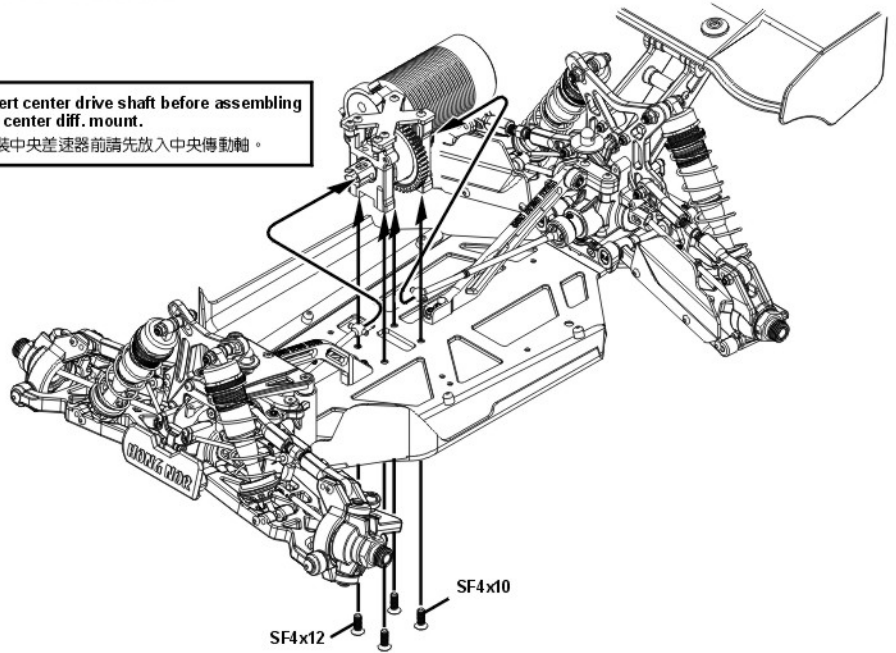
SNN3mm
Nylon Nutx2
尼龍螺帽



11 ASSEMBLY OF THE CENTER DIFF. ONTO CHASSIS

組合中差座至底盤

Insert center drive shaft before assembling the center diff. mount.
安裝中央差速器前請先放入中央傳動軸。



SF4x10mm Flat Head Hex Screwx2
皿頭內六角螺絲



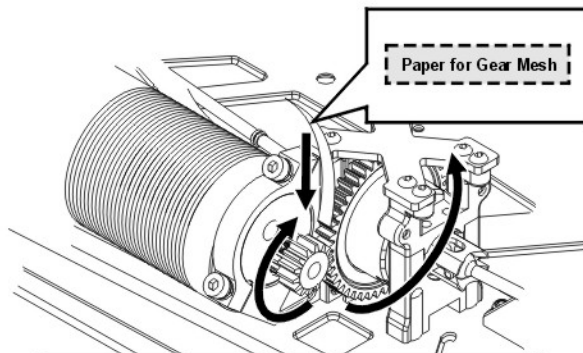
SF4x12mm Flat Head Hex Screwx2
皿頭內六角螺絲

12 ADJUST MOTOR AND SPUR GEAR MAINTENANCE

調整馬達與大直齒距離

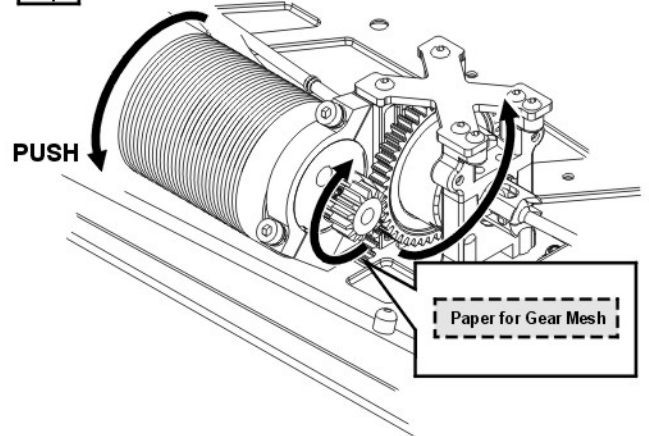
EXTREMELY IMPORTANT 非常重要

Step 1



Paper for Gear Mesh

Step 2



Paper for Gear Mesh

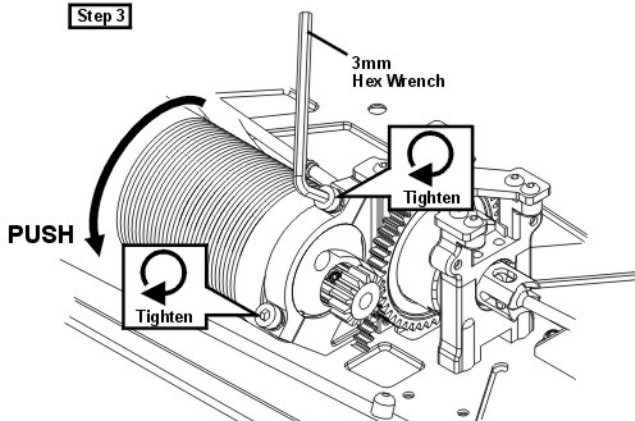
- Adjust the motor mount position to get correct gear mesh.
調整馬達座位置取得齒輪間隙。
- To get a perfect gear mesh, place a piece of notebook paper between the gears and tighten the motor mount screws.
要取得完美的齒輪間隙，需放置一張筆記本紙在齒輪之間並鎖緊馬達座螺絲。
- The spur gear may be damaged if the gear mesh is not correct.
如果齒輪間隙不正確會導致大直齒損壞。

13 ADJUST MOTOR AND SPUR GEAR MAINTENANCE

調整馬達與大直齒距離

EXTREMELY IMPORTANT 非常重要

Step 3

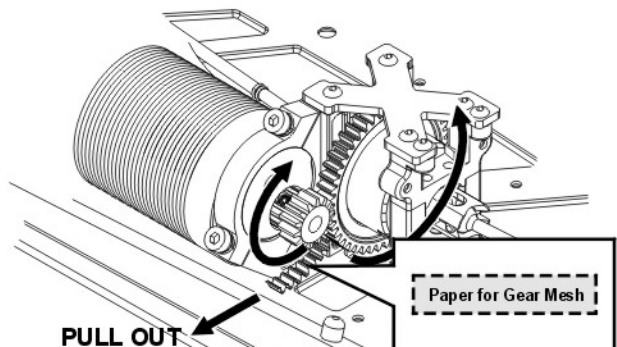


3mm Hex Wrench

Tighten

Tighten

Step 4

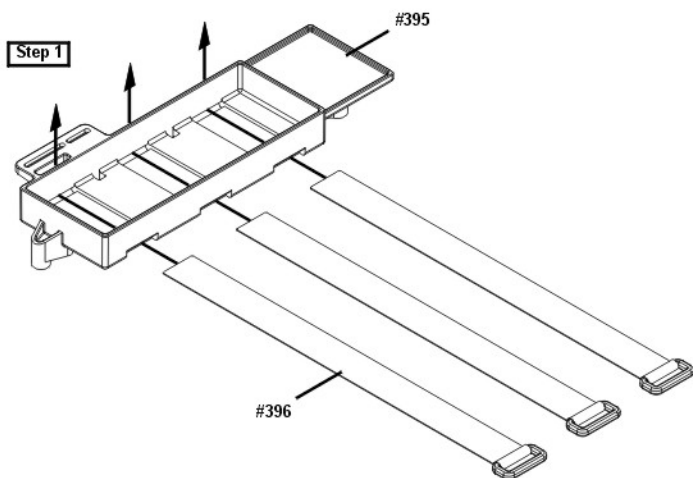


Paper for Gear Mesh

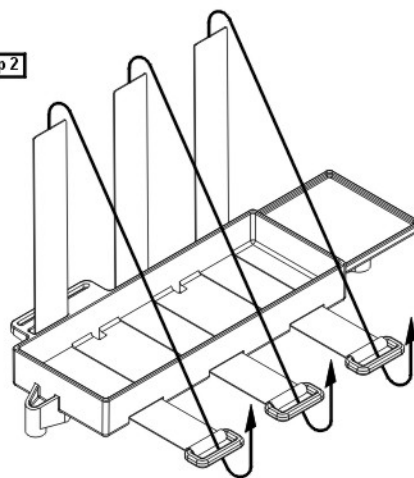
PULL OUT

14 ASSEMBLY OF THE VELCRO BATTERY STRAPS INTO BATTERY CASE

組合魔術粘束帶至電池盒

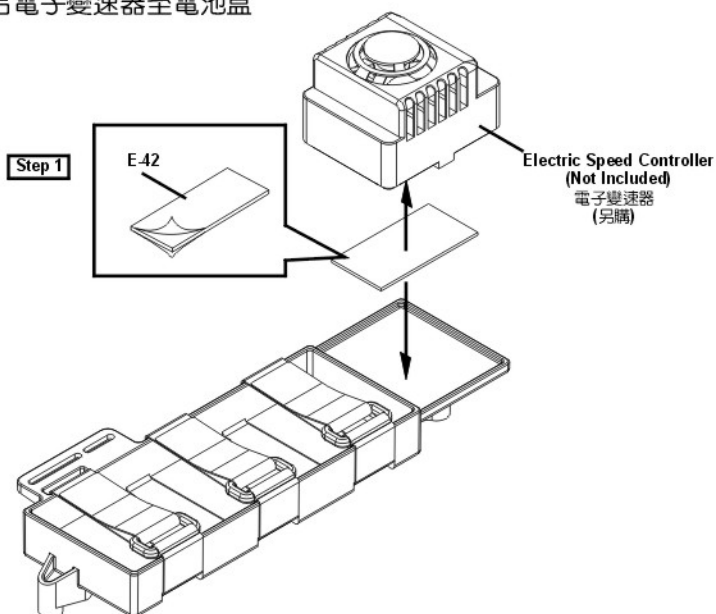


Step 2

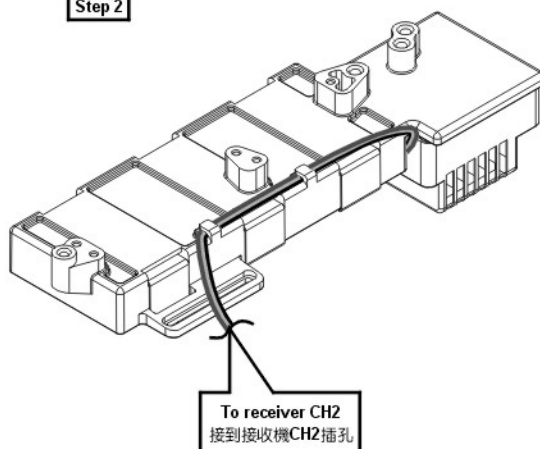


15 ASSEMBLY OF THE ELECTRIC SPEED CONTROL

組合電子變速器至電池盒

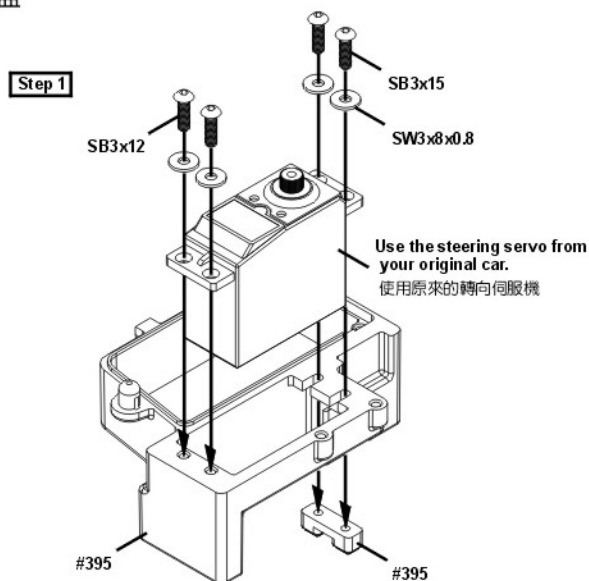


Step 2

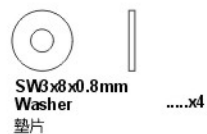
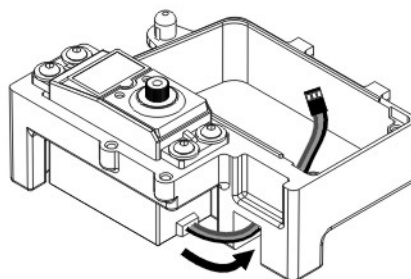


16 ASSEMBLY OF THE STEERING SERVO ONTO RADIO CASE

組合轉向伺服機至接收機盒



Step 2



17 ASSEMBLY OF THE BATTERY CASE ONTO CHASSIS

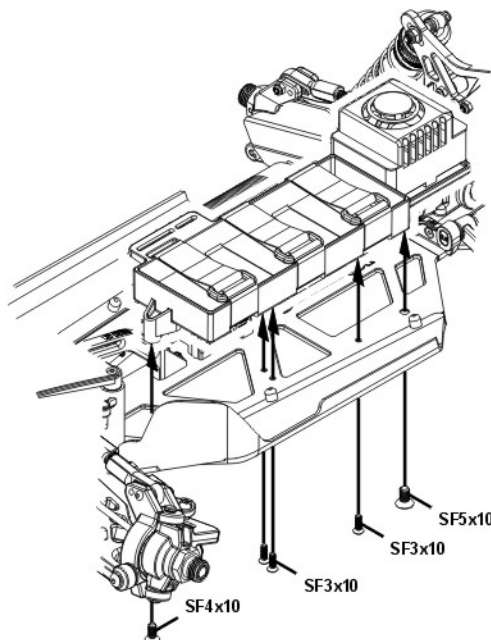
組合電池盒至底盤

Step 1

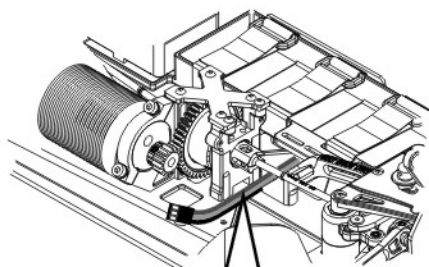
SF3x10mm
Flat Head Hex Screwx3
皿頭內六角螺絲

SF4x10mm
Flat Head Hex Screwx1
皿頭內六角螺絲

SF5x10mm
Flat Head Hex Screwx1
皿頭內六角螺絲



Step 2

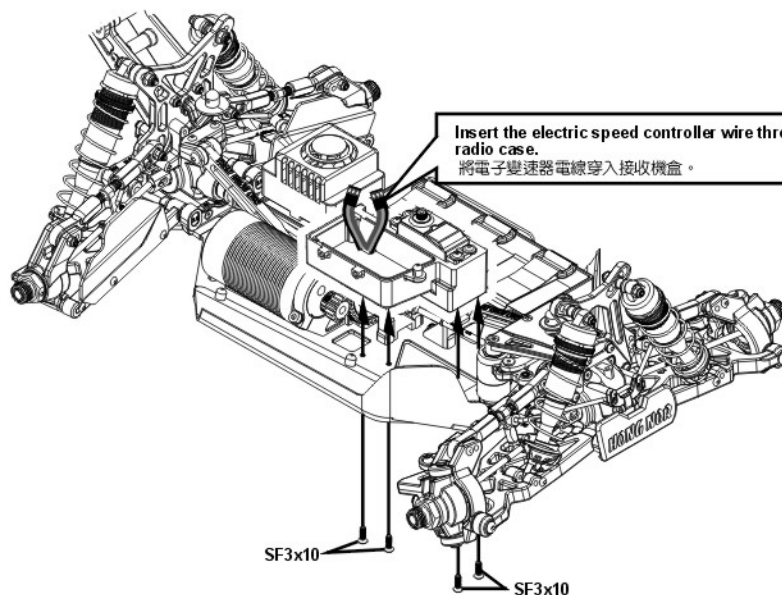


Use tape or hot melt gel to secure the electric speed controller wire on the chassis.
使用膠帶或熱熔膠暫時固定電子變速器電線在底盤上。

18 ASSEMBLY OF THE RADIO CASE ONTO CHASSIS

組合收音機盒至底盤

SF3x10mm
Flat Head Hex Screwx4
皿頭內六角螺絲



Insert the electric speed controller wire through the radio case.
將電子變速器電線穿入接收機盒。

19 ASSEMBLY OF THE RECEIVER INTO RADIO CASE

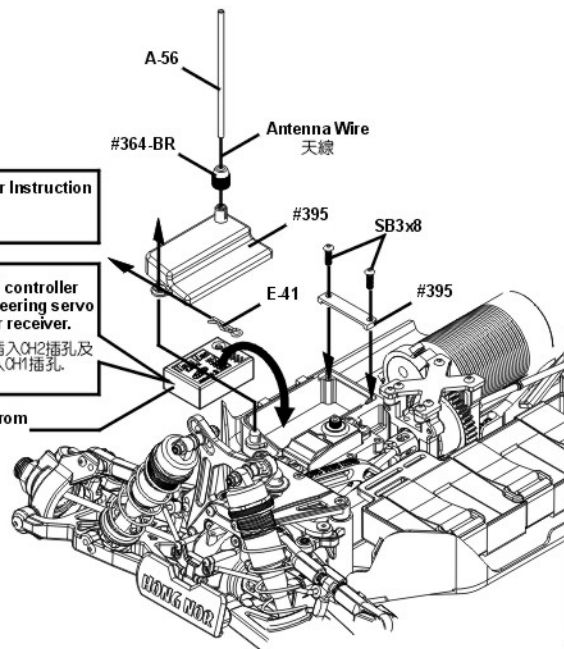
組合接收機到接收機盒

⚠ Please carefully read the Receiver Instruction Manuals before installation.
安裝前請詳細閱讀接收機說明書。

*Plug in your speed controller wire to CH2 and steering servo wire to CH1 of your receiver.
*將電子變速器插頭插入CH2插孔及轉向伺服機插頭插入CH1插孔。

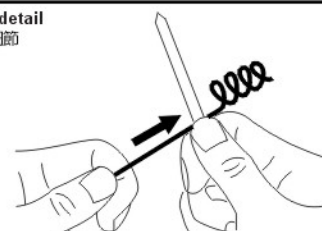
Use the Receiver from your original car.
使用原來的接收機。

SB3x8mm
Hex Screwx2
半丸內六角螺絲



⚠ Do not cut or shorten antenna wire.
請勿裁切或縮短天線。

Step detail
步驟細節



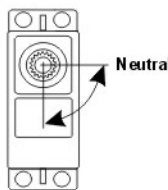
Use a screwdriver to straighten the antenna wire so it is easier to insert into antenna tube.
使用螺絲起子把天線弄直，讓天線更加容易的插入天線管。

20 ASSEMBLY OF THE STEERING ROD ON STEERING SERVO

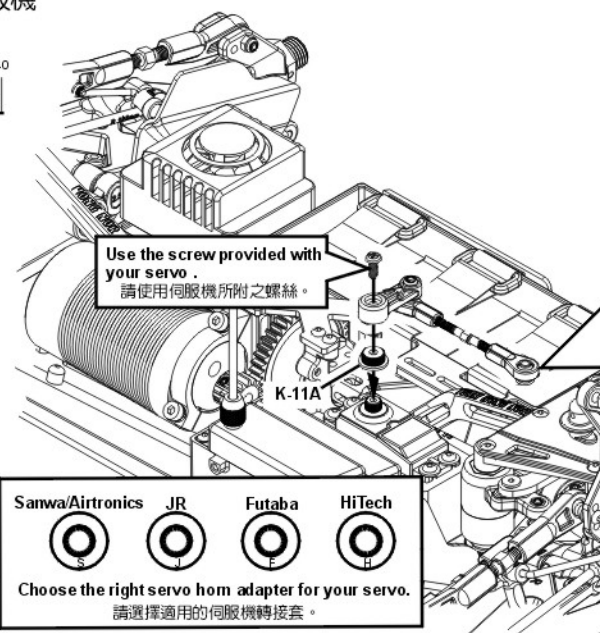
組合轉向拉桿到轉向伺服機



Make sure your steering servo at neutral position before assembly.
安裝前請先確認轉向伺服機是在中立點位置。



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



Step detail
步驟細節



Use the steering rod from your original car.
使用原來的轉向拉桿。



SB3x15mm
Hex Screw
半孔內六角螺絲

.....x1

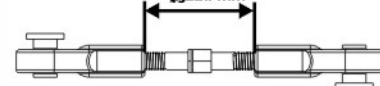
Samwa/Airtronics JR Futaba HiTech



Choose the right servo horn adapter for your servo.
請選擇適用的伺服機轉接套。

Approx. 22.7mm

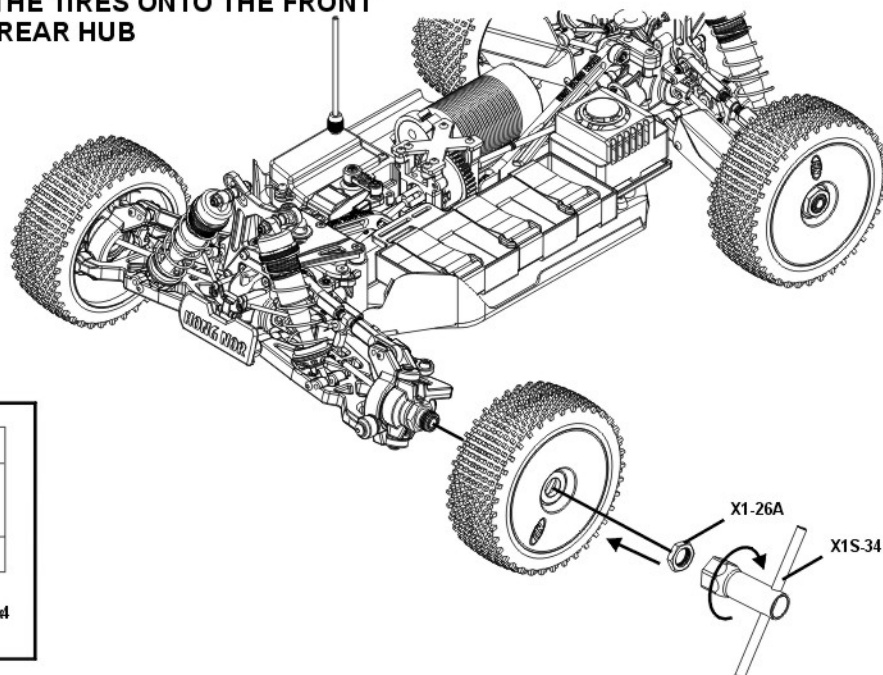
約22.7mm



21 ASSEMBLY OF THE TIRES ONTO THE FRONT KNUCKLE AND REAR HUB

組合輪胎至車體

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



X1-26A
Wheel Nut
鋁六角螺帽

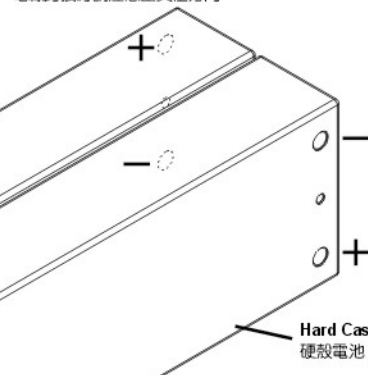
.....x4

To tighten the Wheel Nut you can also use 17mm Wheel Nut Tool.(X1S-34)
你可以使用17mm六角套筒板手鎖緊輪胎螺帽。(X1S-34)

22 BATTERY INSTALL

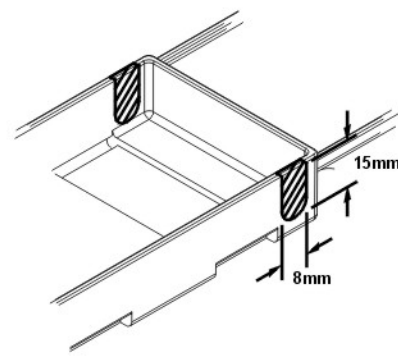
安裝電池

*Be aware of the Negative and Positive connects direction of the battery.
*電線跨接時請注意正負極方向。



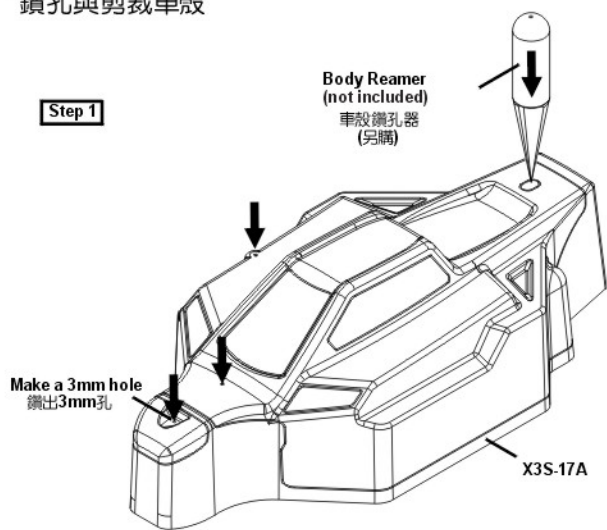
Hard Case Battery
硬殼電池

*If use hard case battery, make a hole as picture shown.
*使用部分硬殼種類電池時，須在電池盒上裁出如圖所示的開口。

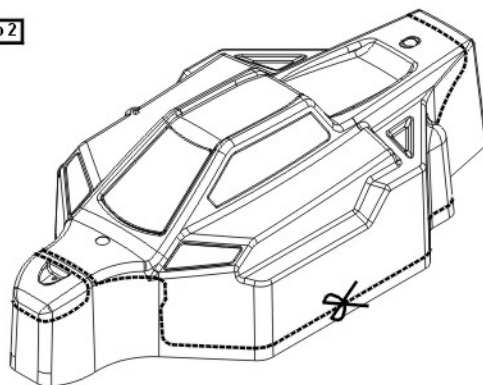


23 MAKING HOLES AND CUTTING ON THE BODY SHELL

鑽孔與剪裁車殼



Step 2



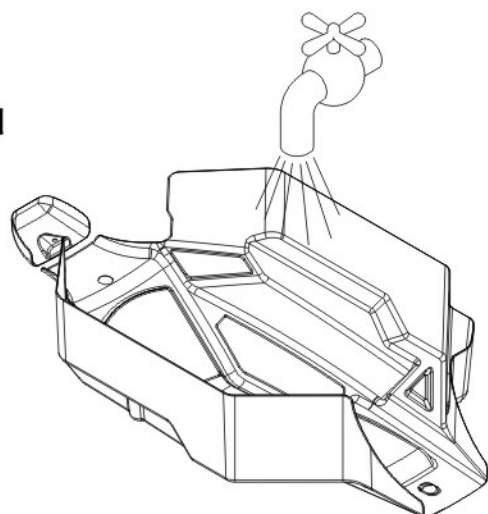
Make three 8mm holes on the body shell as shown.
如圖示在車殼上鑽出3個8mm孔。

Cut the body shell as shown.
如圖示裁剪車殼。

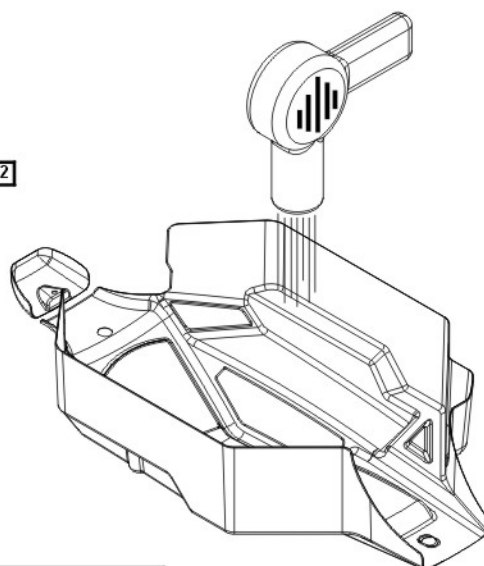
24 WASH THE INSIDE OF THE BODY SHELL

清洗車殼內部

Step 1



Step 2

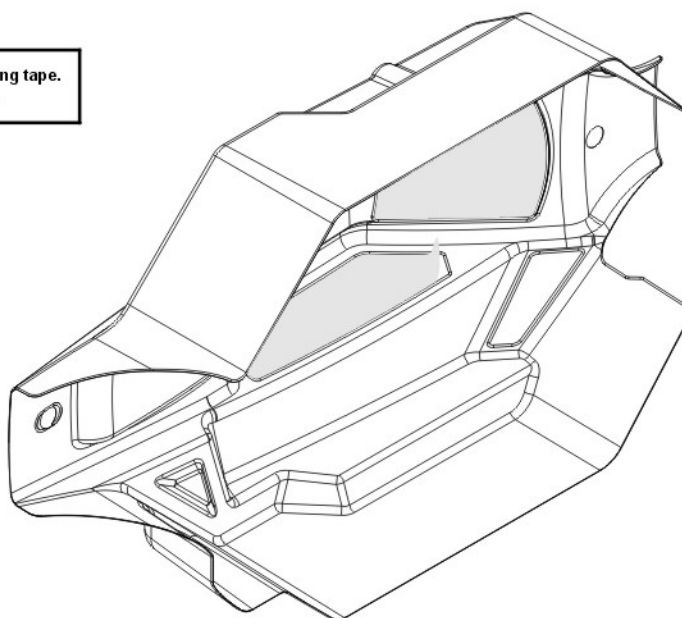


Wash the inside of the body shell with mild detergent,
and then rinse and dry thoroughly.
用中性清潔劑清洗車身內部，然後沖洗乾淨並充分烘乾。

25 PAINTING BODY SHELL

塗裝車殼

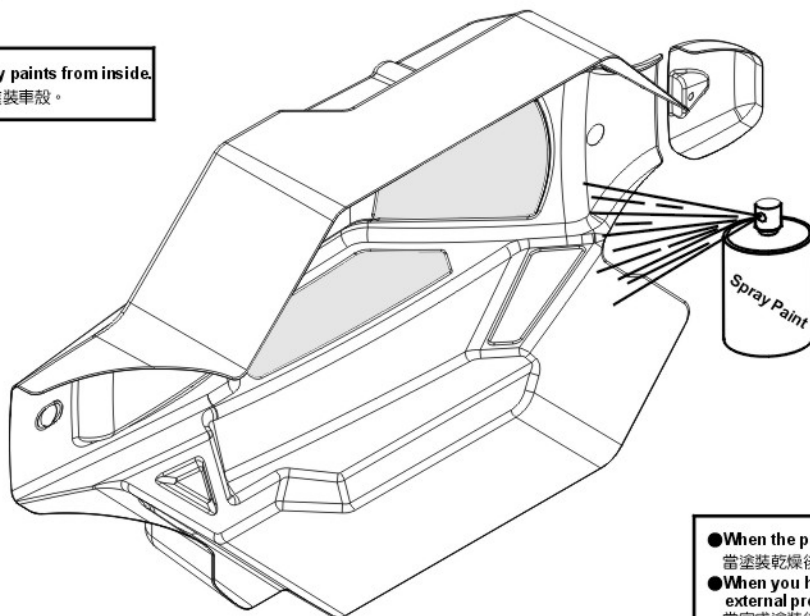
Mask the windows on the inside with masking tape.
使用車窗覆蓋紙由內面貼上車窗部份。



26 PAINTING BODY SHELL

塗裝車殼

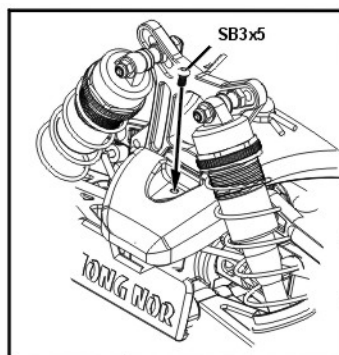
Paint the body with polycarbonate spray paints from inside.
由內面貼上彩繪貼紙再使用車殼專用噴漆塗裝車殼。



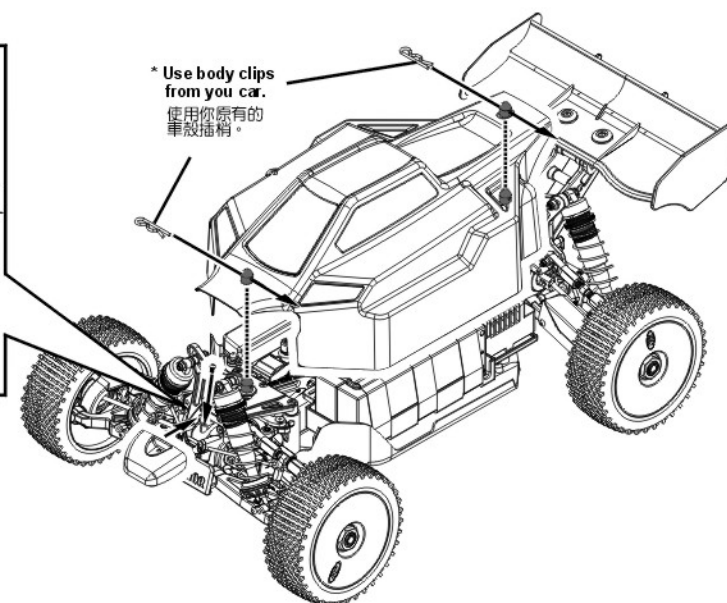
- When the paint is dry, remove the masking tape.
當塗裝乾燥後，撕去車窗覆蓋紙。
- When you have finished painting, peel off the external protective films.
當完成塗裝後，撕去外部保護膜。

27 MOUNTING THE BODY SHELL

安裝車殼



* Use body clips
from you car.
使用你原有的
車殼插梢。



SB3x5mm
Hex Screw
半丸內六角螺絲

.....x1

