

1/8TH SCALE ELECTRIC POWERED OFF-ROAD BUGGY

ULTA²e

INSTRUCTION MANUAL

(80% PREASSEMBLED)

FEATURES

- 16mm SHOCK BODIES.
- ALL NEW BODY DESIGN.
- CNC MACHINED MOTOR MOUNT AND SPUR GEAR.
- FRONT C-HUB SUSPENSION.
- HI-DOWNFORCE WING.
- LOW CENTER OF GRAVITY RADIO TRAY.
- NEW CHASSIS DESIGN.
- NEW REAR CHASSIS BRACE.
- NEW STONE GUARDS.
- STURDY ONE PIECE MOTOR MOUNT.
- SAFE AND CLEAN WIRE ROUTING.

ADDITIONAL PARTS NEEDED

- Li-Po Battery Charger
- 7.4V Li-Po Battery (Hard Case)
- Batteries (AA) x 8 pcs.
- KIT IN INSTRUCTION MANUAL MAY BE DIFFER FROM PICTURE SHOWN.
- ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

THIS IS NOT TOY!

- Do not use with children under 16 years of age or without adult supervision.

需另購零件

- 鋰電池專用充電器
- 7.4V 鋰充電電池組 (硬殼)
- 乾電池 (AA) x 8顆
- 圖示產品可能為試樣品其可能與包裝不同。
- 全部規格及配備以實際包裝為主，配備內容或零件變更恕不另行通知。

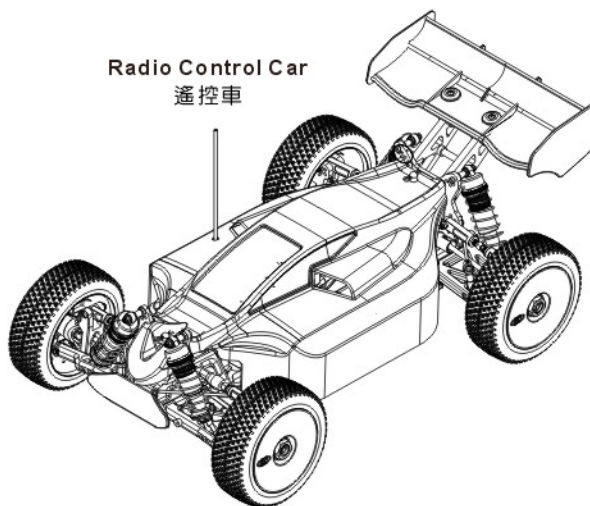
本產品非玩具

- 16歲以下或沒有成人督導之兒童請勿使用。

HONG NOR
QUALITY R/C MODEL PRODUCTS

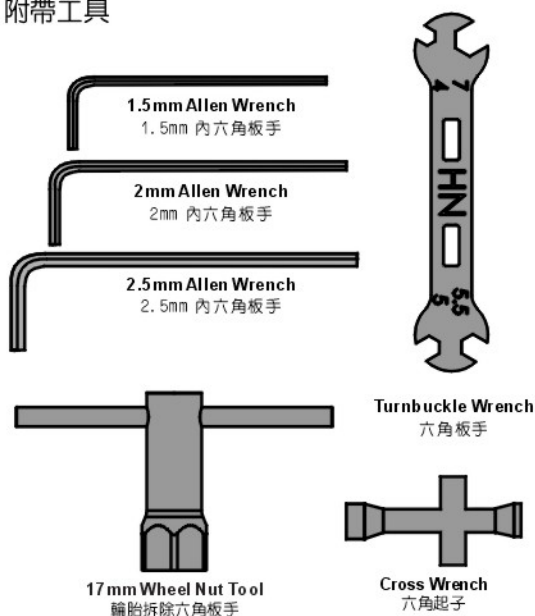
Components

內容物



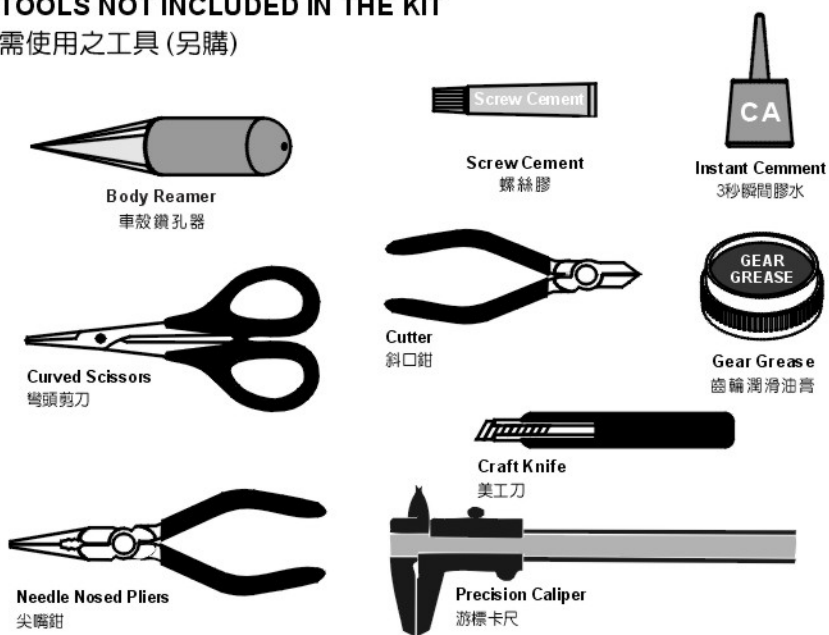
Included Items

附帶工具



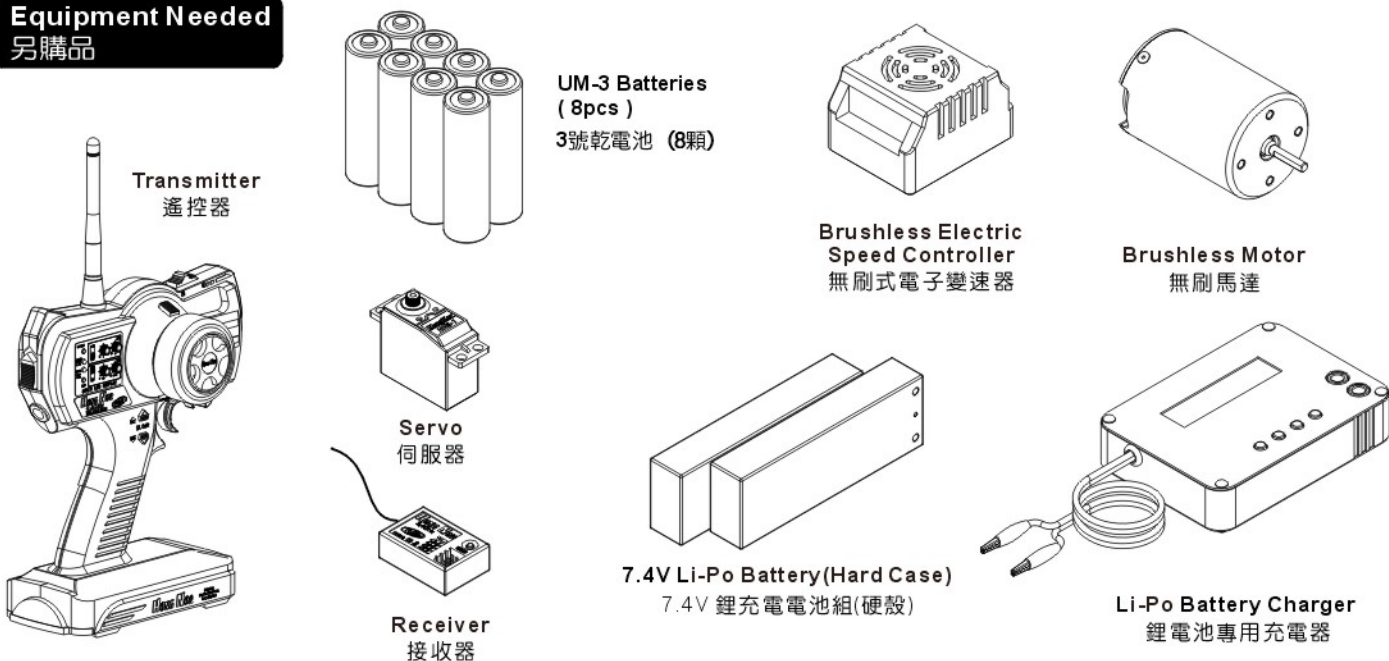
TOOLS NOT INCLUDED IN THE KIT

需使用之工具 (另購)



Equipment Needed

另購品





IMPORTANT-READ THIS BEFORE RUNNING

重要！操作前請先閱讀

1. Before Starting

啟動前

- ◎ **Please read manual (with a parent, guardian or a responsible adult if necessary).**
請閱讀說明書(如有必要，須有家長，監護人，或其他成年人陪同)。

2. While Operating

當操作時

- ◎ **Any running area you choose must be dry. Do not run car near any water or wet dirt.**
請在乾地上操控車子。並請勿操控車子於水池或溼地旁。
- ◎ **Do not run on public streets. It is very easy to have the car run over or be damaged by hitting the curb.**
勿在大街上操控車子，因為它很容易被行駛中的車輛輾過或碰撞而有所損傷。
- ◎ **Do not operate the car in tight confined places. The car is very fast and will easily hit something.**
勿在空間狹窄的地方操作；因為它的速度快很容易碰撞周圍物件。
- ◎ **Do not run near people or animals. The car is very fast and could easily hit someone if you are not an expert driver.**
勿操作車子於人群或動物旁；如您不是專業人士操作，他們都可能發生危險。
- ◎ **Do not operate the car at night. You will not be able to drive it safely.**
勿在晚上操作模型車，因可能視線不佳而導致它發生碰撞。

3. Before Operating

操作前檢查

- ◎ **Make sure that all screws and nuts are properly tightened.**
確認螺絲與螺帽有無鬆動。
- ◎ **Radio-Check battery life before running the car. If the 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 unit.**
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，將導人體受傷或車子受損；我們極力建議裝配“防失控”裝置在您的車上。
- ◎ **Please confirm the neutral throttle trigger position.**
請確認油門位於中立點位置。

4. Check Your Car After Running

操作後注意事項

- ◎ **Turn OFF receiver first, then turn OFF transmitter. This will prevent the car from losing control.**
先關閉接收機電源，再關閉遙控器電源，以避免遙控車失控爆衝。
- ◎ **After running radio controlled car, it is necessary to perform routine maintenance.**
遙控車跑完之後需要進行保養。

5. Battery Safety

電池安全

- ◎ **Please be careful when handling the battery. It will be hot after running. If the wire is frayed, a short circuit can cause a fire.**
操作後電池將會發燙，取出電池時請小心。如果電池電線磨損，短路將會導致電池起火燃燒。

HNT-3 2.4GHz RADIO SYSTEM OVERVIEW

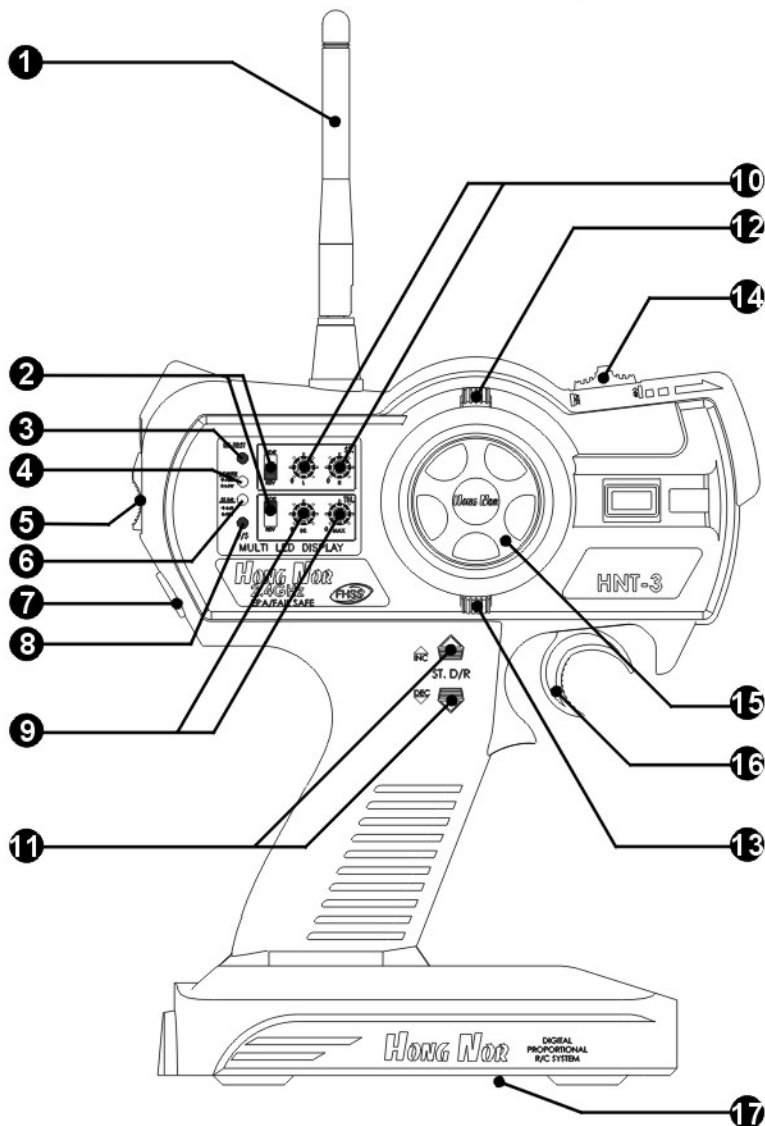
HNT-3 2.4GHz 遙控器概要

HNT-3 Transmitter

HNT-3 遙控器

***Carefully read the instruction manual of your radio controller before using and keep it in a safe place as a reference introduction in the future.**

***使用遙控器前請先仔細閱讀原廠說明書,並保留說明書於安全地方以便未來參考用。**



1. Transmitter Antenna
發射機天線
2. Servo Reverse Switches
伺服機正逆轉開關
3. TX RF Module And Binding Button
發射模組對頻設定鈕
4. Power LED
電源指示燈
5. Power Switch
電源開關
6. Steering And Throttle Trim LED
轉向與油門微調指示燈
7. External Charging Jack
充電孔
8. Fail Safe Button
防失控裝置按鈕
9. Throttle End Point Adjustment Knob
油門行程調整旋鈕
10. Steering End Point Adjustment Knob
轉向舵角行程調整旋鈕
11. Steering Dual Rate Adjustment Button
轉向舵角雙重比率調整鈕
12. Steering Trim
轉向微調鈕
13. Throttle Trim
油門微調鈕
14. AUX Channel Switch
第三動開關
15. Steering Wheel
轉向舵輪
16. Throttle Trigger
油門控制板機
17. Battery Cover
電池蓋

Specification:

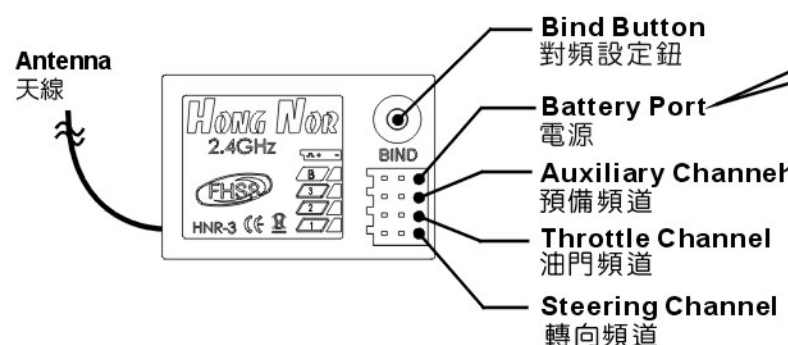
Channels:3Ch
Frequency:2.4GHz
DC:9.6V/ 8 cell AA
Battery
Meas.:310*170*75mm
Net weight:530g

規格資料:

頻道:3Ch
 頻率:2.4GHz
 直流:9.6V/八顆三號
 電池
 尺寸:310*170*75mm
 淨重:530g

HNR-3 Receiver

HNR-3 接收器



***Battery port and Auxiliary Channel are not used for this model.**
***本套件未使用電源及預備頻道插槽。**

Specification:

Channels:3Ch
Frequency:2.4GHz
DC:4.8 ~ 6V
Meas.:40*27*14mm
Net weight:13.5g

規格資料:

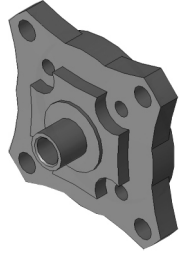
頻道:3Ch
 頻率:2.4GHz
 直流:4.8V ~ 6V
 尺寸:40*27*14mm
 淨重:13.5g

PLASTIC PARTS FOR USE 使用塑膠品

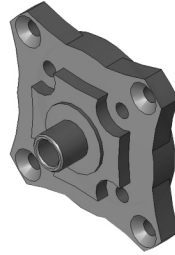
A-85
DIFF. CASE
差速器殼



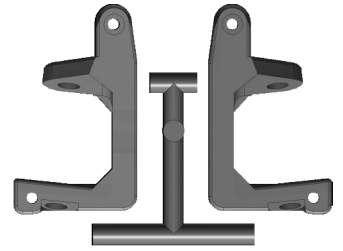
A-85
DIFF. CASE
差速器殼上蓋



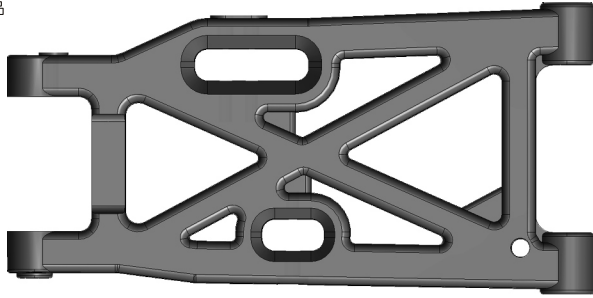
A-86
DIFF. CASE
中央差速器殼上蓋



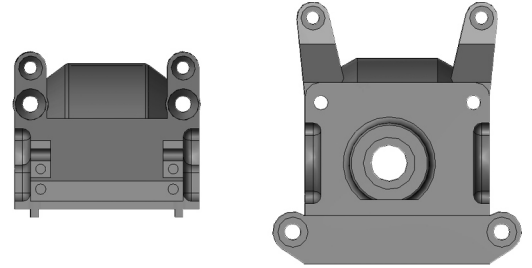
X1-36
FRONT C HUB
C型座



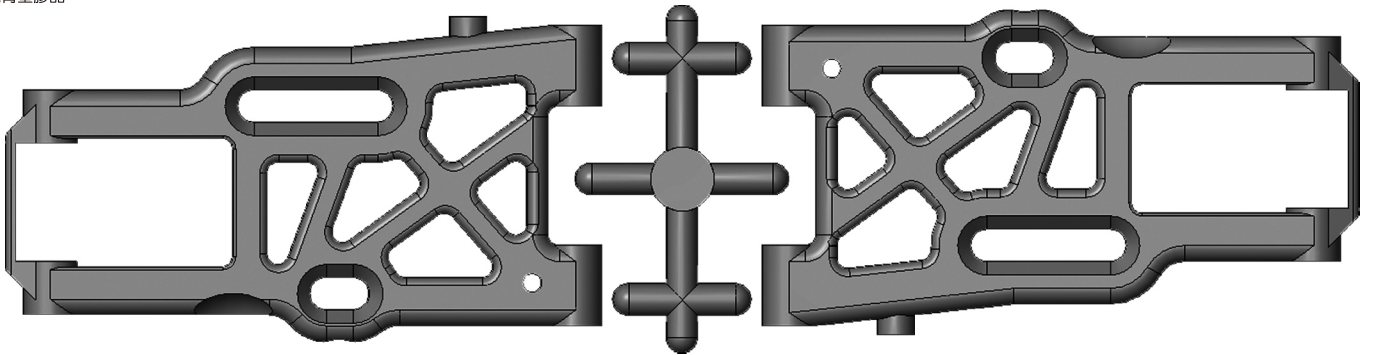
C-32B
REAR LOWER ARM
後下擺臂塑膠品



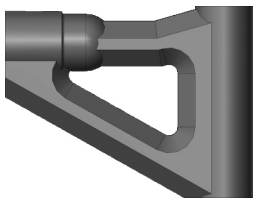
A-1
FRONT AND REARGEAR BOX
差速箱



G-29
FRONT LOWER ARM
前下擺臂塑膠品



D-02
FRONT UPPER ARM
前上擺臂塑膠品



A-35A
REAR LOWER ARM HOLDER
後下擺臂固定座塑膠品



A-24
BUMPER
前防撞板塑膠品



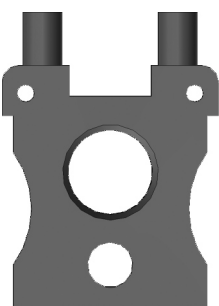
A-16
FRONT LOWER ARM HOLDER
前下擺臂固定座塑膠品



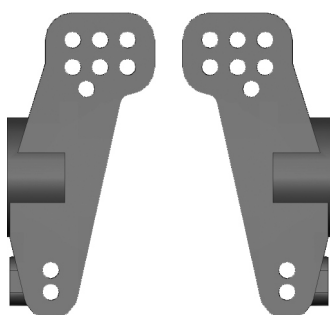
J-50
REAR UPPER ARM
PLASTIC ROD END
後上擺臂塑膠球頭塑膠品



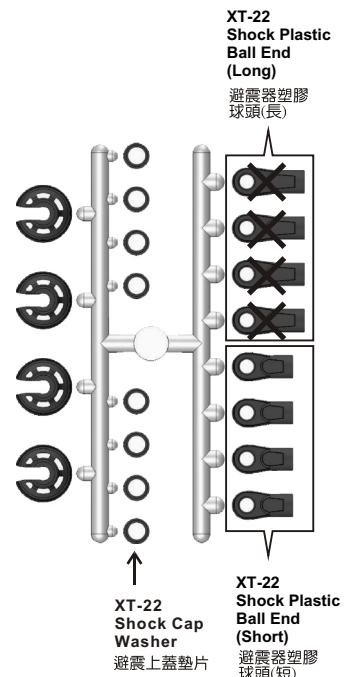
A-20A
CENTER DIFF. MOUNT
中差座塑膠品



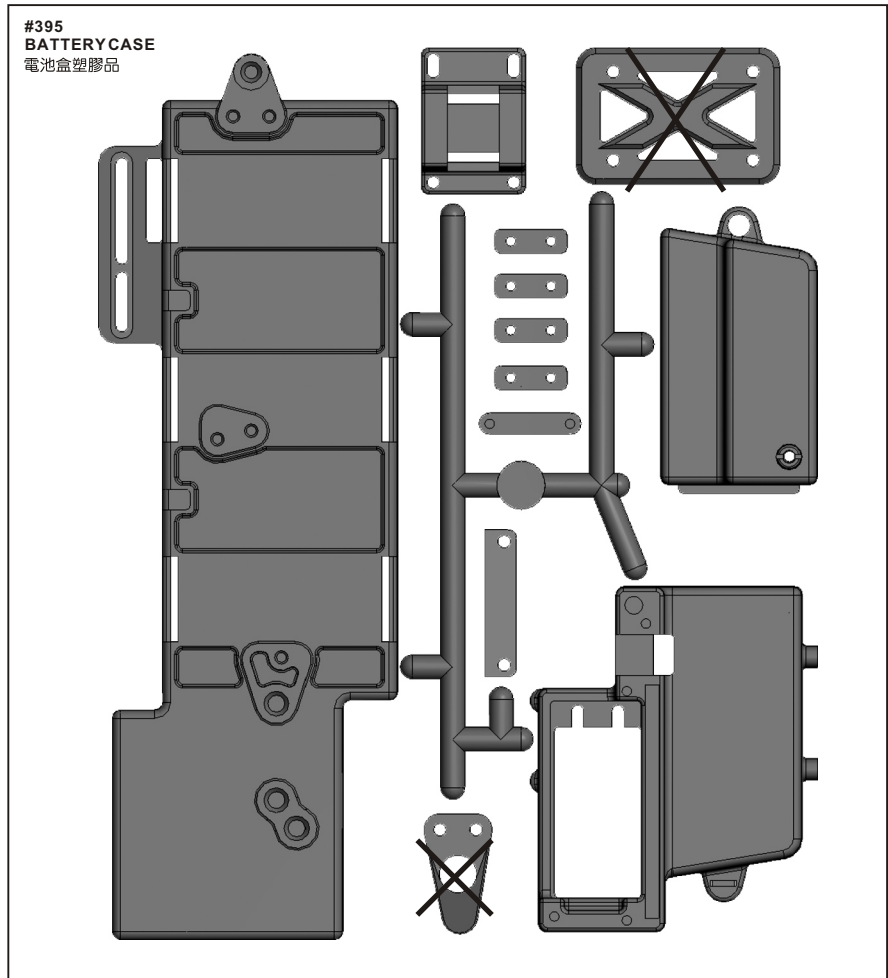
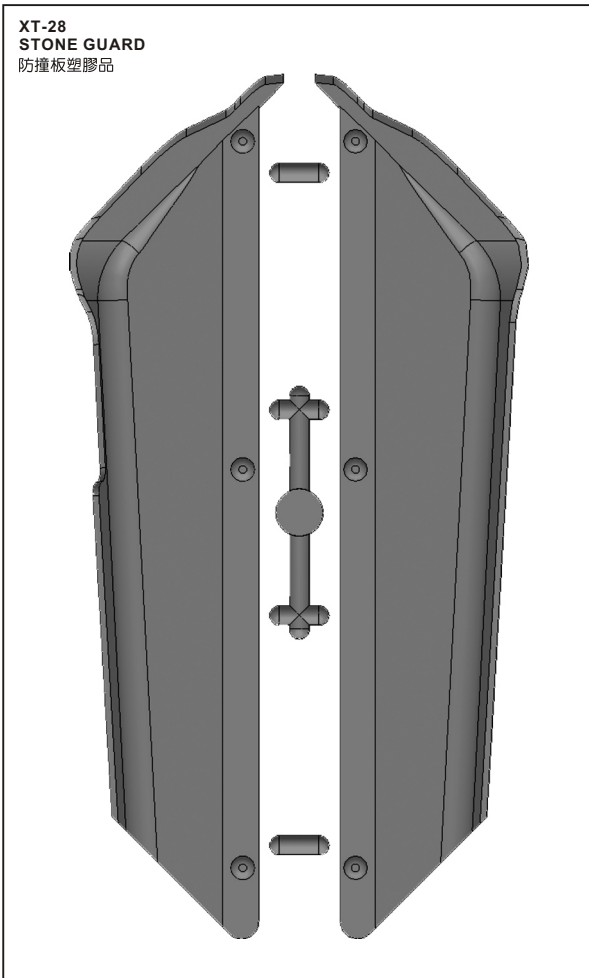
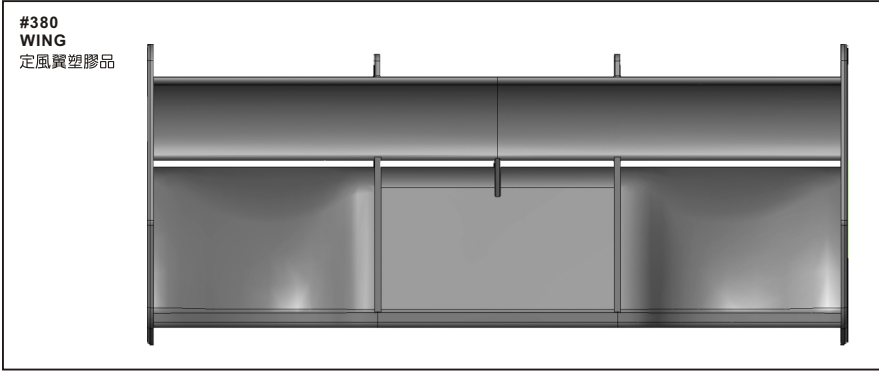
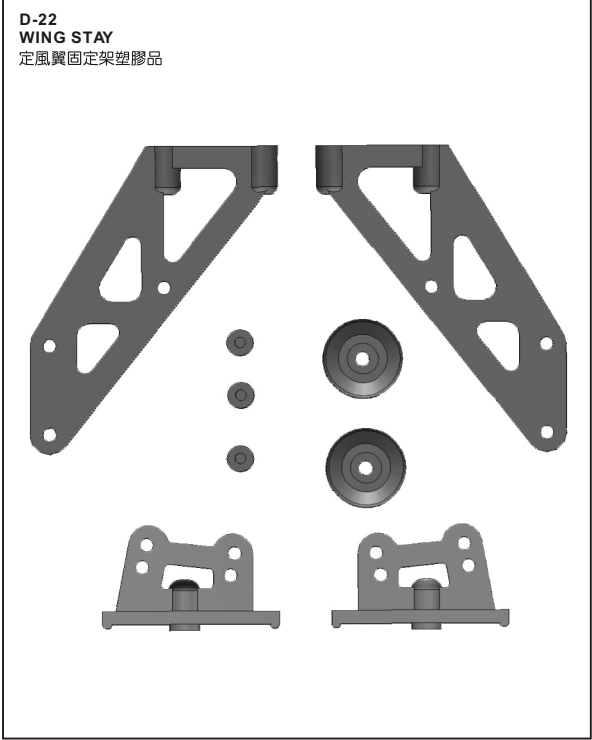
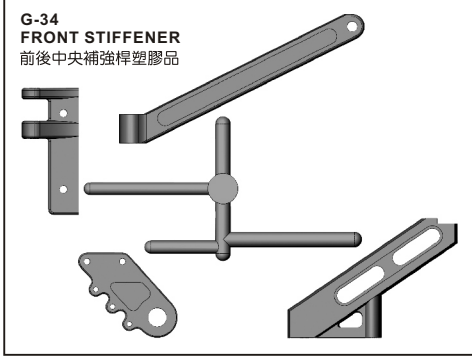
#273B
REAR WHEEL HUB
後輪座塑膠品



XT-22
SHOCK PLASTIC PARTS
避震器塑膠品



PLASTIC PARTS FOR USE 使用塑膠品



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



Parts Bag Used
使用零件包裝袋



Degrease With Motor Spray
使用清潔噴劑



Do Not Over Tighten
請勿鎖緊物件



Tighten
鎖緊物件



Ensure Free Movement
確定可自由活動



Contact Adhesive
使用強力打接著劑



Apply Screw Cement
使用螺絲膠



Apply Oil
塗上潤滑油



Apply Lubricant
塗上潤滑黃油



True-To-Scale
1:1原寸圖



Time
時間







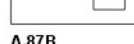



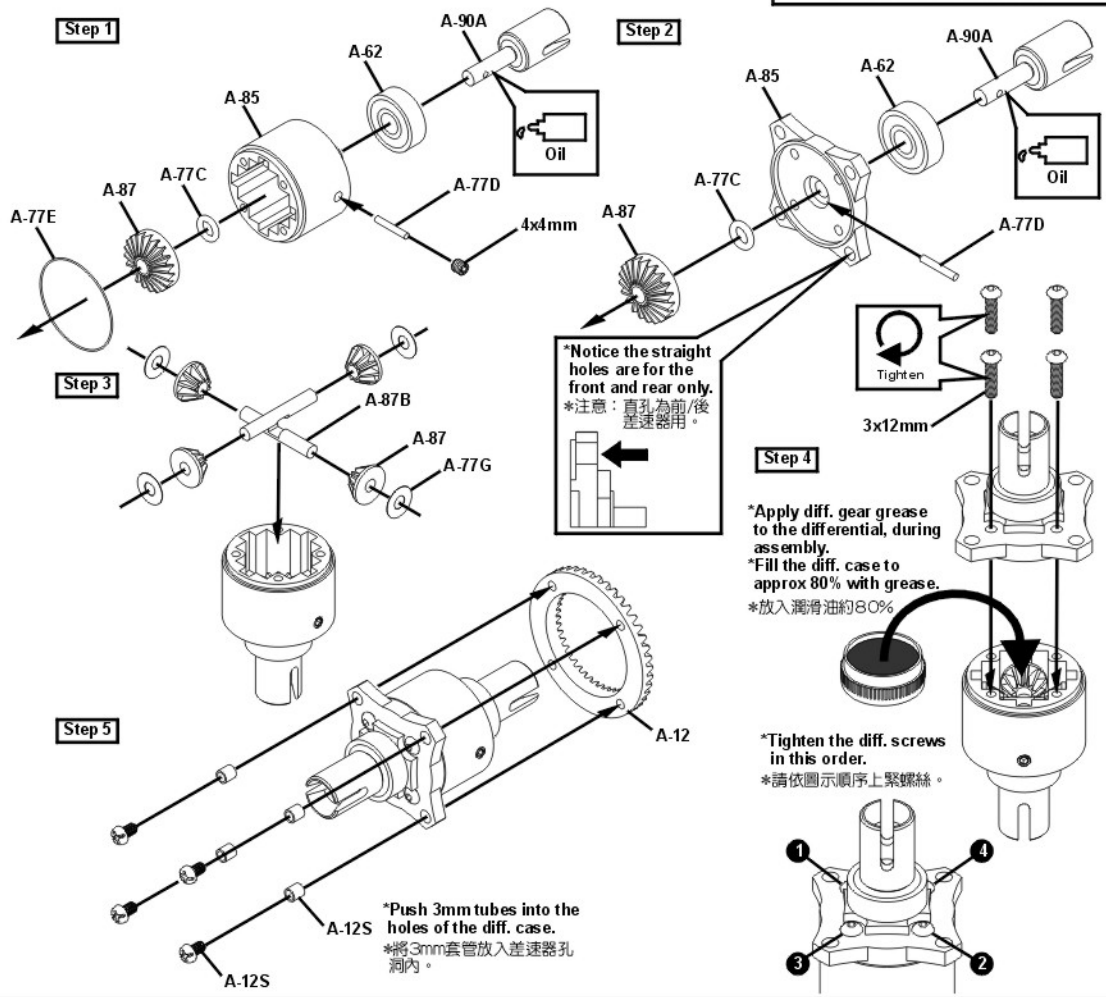
Pay attention here
注意事項

1 ASSEMBLY OF THE FRONT AND REAR DIFF.

組合前後差速器







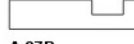
Build two differentials for front and rear.
請組合兩個差速器為前後使用。

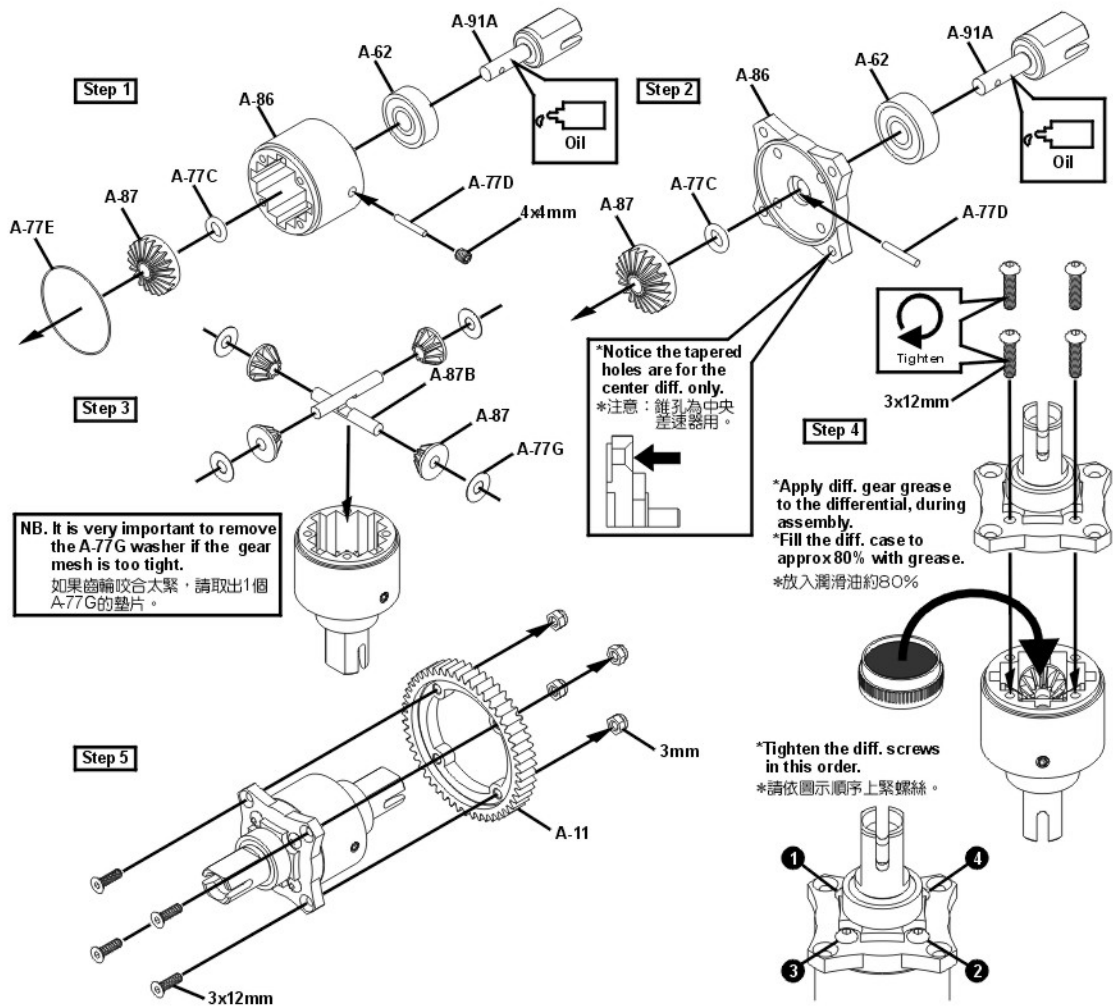
-  4x4mm Set Screwx2
止付螺絲
-  A-12S 3x5mm Screwx8
九十字螺絲
-  3x12mm Hex Screwx8
半孔內六角螺絲
-  A-77C P5 O-Ringx4
O環
-  A-77G 4x10mm Washerx8
墊片
-  A-77D 2x12.8mm Pinx4
滾針
-  A-87B 4mm Cross Pinx4
十字軸
-  A-12S 3mm Tubex8
套管



2 ASSEMBLY OF THE CENTER DIFF.

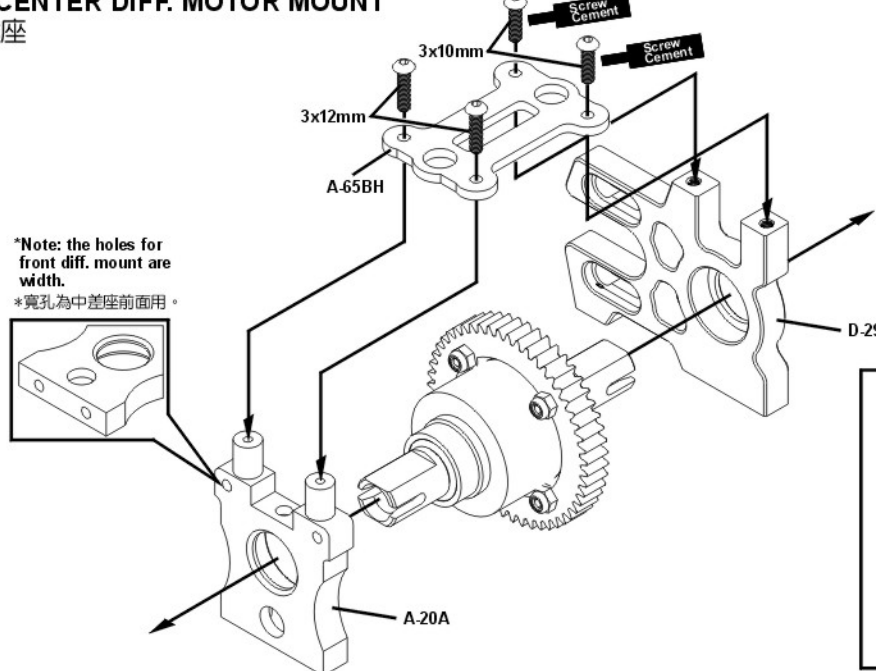
組合中央差速器

-  4x4mm Set Screwx1
止付螺絲
-  3x12mm Flat Head Hex Screwx4
皿頭內六角螺絲
-  3x12mm Hex Screwx4
半孔內六角螺絲
-  A-77C P5 O-Ringx2
O環
-  A-77G 4x10mm Washerx4
墊片
-  A-77D 2x12.8mm Pinx2
滾針
-  A-87B 4mm Cross Pinx2
十字軸



3 ASSEMBLY OF THE CENTER DIFF. MOTOR MOUNT

組合中央差速器與馬達座

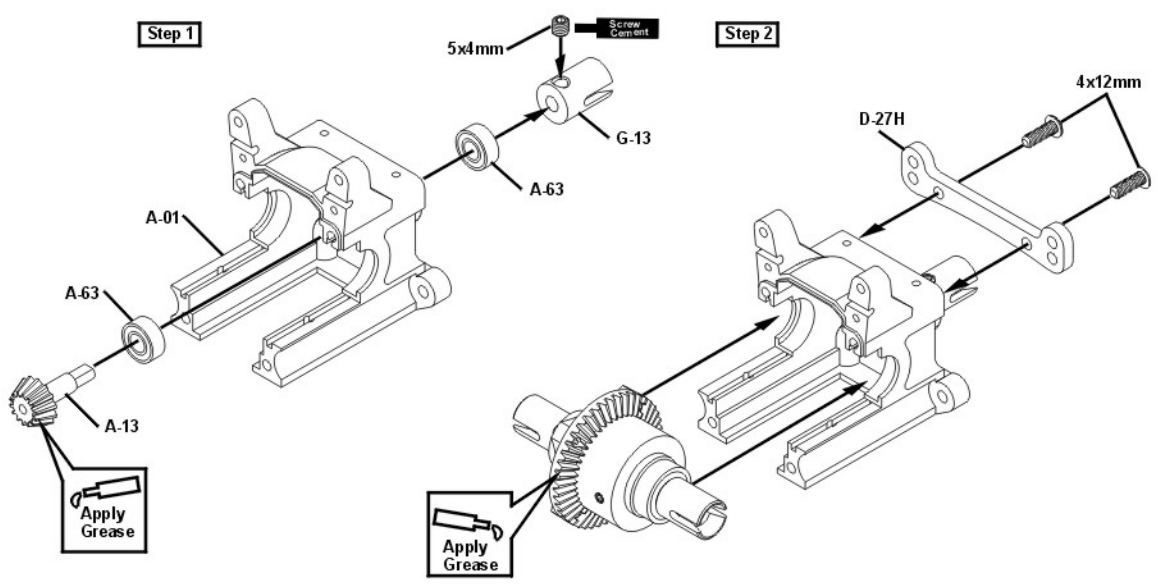


- 3x10mm Hex Screwx2
半丸內六角螺絲
- 3x12mm Hex Screwx2
半丸內六角螺絲

4 ASSEMBLY OF THE FRONT GEAR CASE

組合前齒輪箱

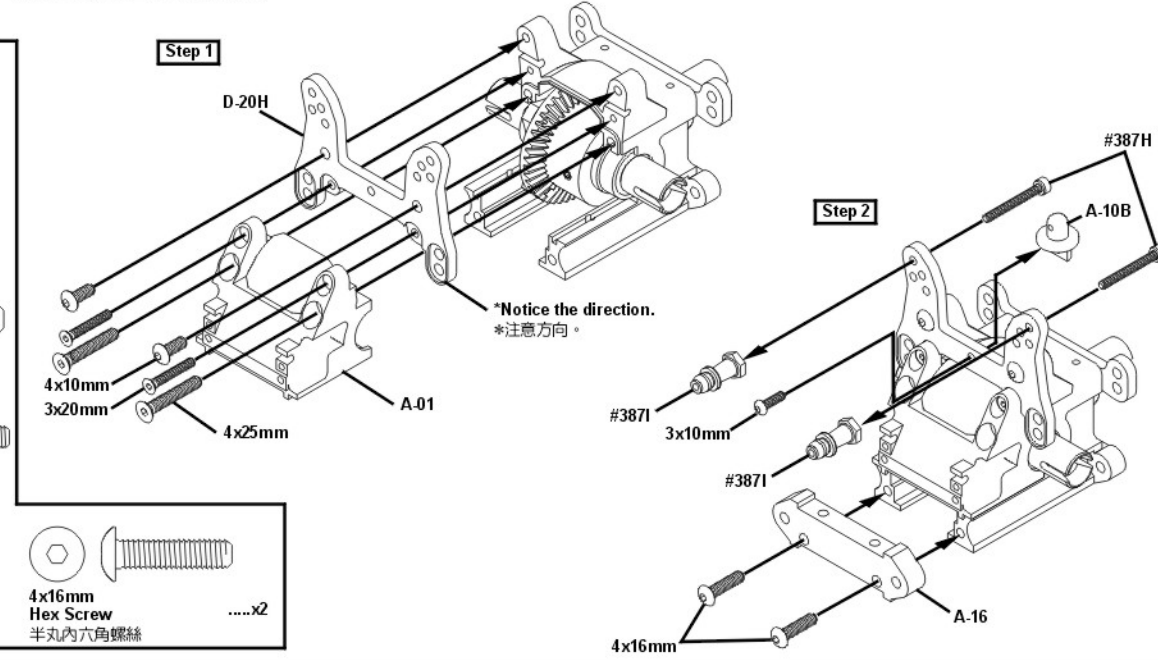
- 5x4mm Set Screwx1
止付螺絲
- 4x12mm Hex Screwx2
半丸內六角螺絲
- A-63 6x13x5mm Ball Bearingx2
培林



5 ASSEMBLY OF THE FRONT GEAR CASE

組合前齒輪箱

- 4x10mm Hex Screwx2
半丸內六角螺絲
- 3x20mm Flat Head Hex Screwx2
皿頭內六角螺絲
- 4x25mm Flat Head Hex Screwx2
皿頭內六角螺絲
- #387H 3x28mm Cap Screw"/> #387H 3x28mm Cap Screwx2
有頭內六角螺絲
- 3x10mm Hex Screwx1
半丸內六角螺絲
- 4x16mm Hex Screwx2
半丸內六角螺絲



6 ASSEMBLY OF THE KNUCKLE ARMS

組合轉向座

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

4x4mm Set Screwx2
止付螺絲

4mm Nylon Nutx4
尼龍螺帽

X1-27 Knuckle Arm Bushingx4
轉向座襯套

X1-28 King Pin Screwx4
大王銷螺絲

#267E 2.5x16.8mm Pinx2
滾針

8x12x0.3mm Washerx2
墊片

Step 1

Step 2

Step 3

7 ASSEMBLY OF THE FRONT SUSPENSION ARMS

組合前懸吊系統

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

4x10mm Set Screwx2
止付螺絲

2.5mm E-Ringx4
E型扣環

G-25 7mm Ballx2
球型

G-25 5x35mm Turnbucklex2
正反牙桿

D-17 3x44.3mm Arm Shaftx2
擺臂軸

Step 1

Step 2

1:1 *Approx. 9.5mm *約 9.5mm 間隙

8 ASSEMBLY OF THE FRONT SUSPENSION ARMS

組合前懸吊系統

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

3mm Nylon Nutx2
尼龍螺帽

3x25mm Hex Screwx2
半丸內六角螺絲

3mm E-Ringx8
E型扣環

G-04 4x47mm Arm Shaftx2
擺臂軸

D-17A 4x74.1mm Arm Shaftx2
擺臂軸

Step 1

Step 2

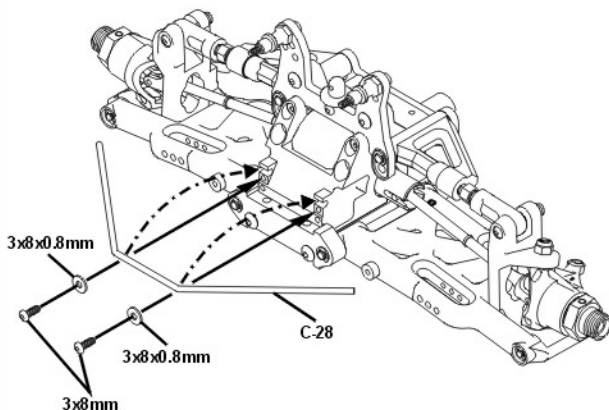
***Insert the front drive shaft into cap joint before assembly.
*組合前請先將傳動軸放入接杯內。**

9 ASSEMBLY OF THE FRONT STABILIZER

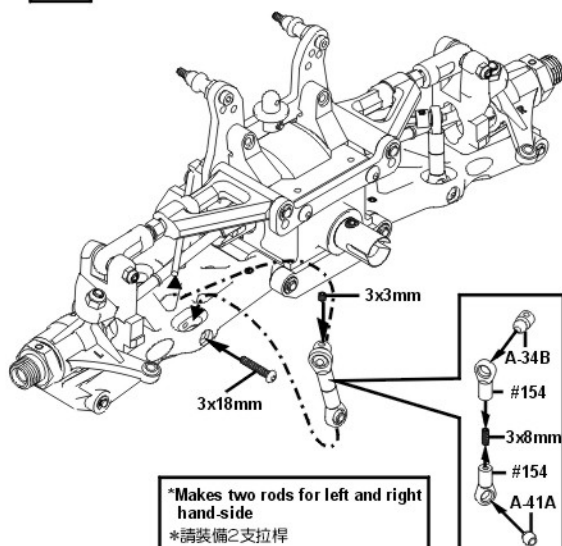
組合前平衡桿

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

Step 1



Step 2

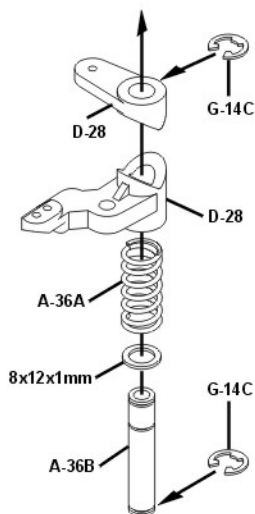


10 ASSEMBLY OF THE SERVO SAVER

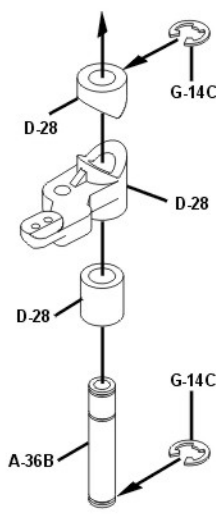
組合緩衝組



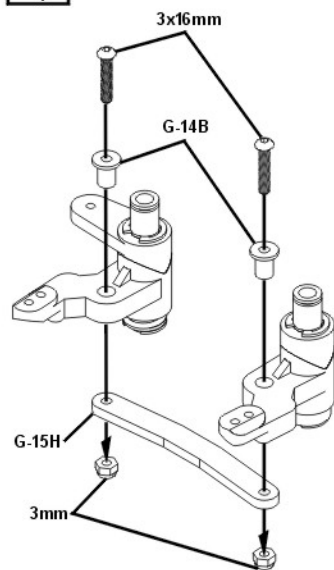
Step 1



Step 2

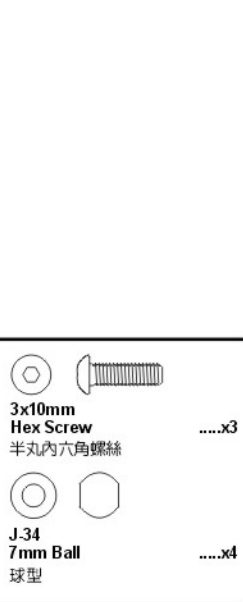


Step 3

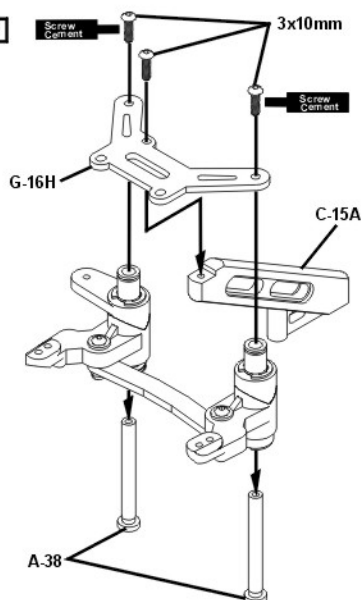


11 ASSEMBLY OF THE SERVO SAVER AND STEERING TIE-ROD

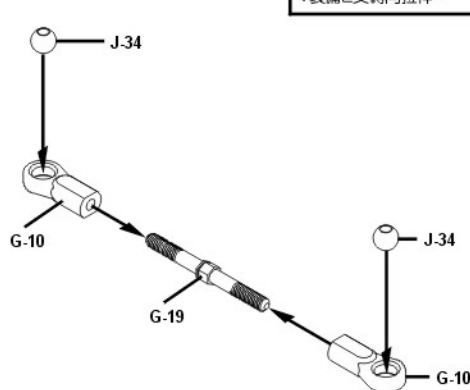
組合緩衝組



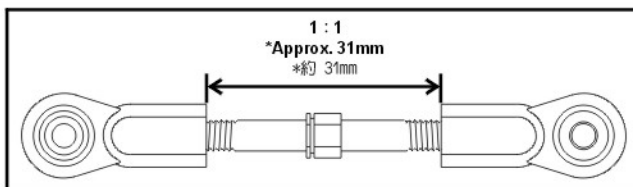
Step 1



Step 2



*Made two steering rods for left and right hand-side.
*裝備2支轉向拉桿。



12 ASSEMBLY OF THE SERVO SAVER ONTO GEAR CASE
 組合緩衝組至齒輪箱

Step 1

3x15mm
J-35

Step 2

3x10mm
3x15mm
J-35
Screw Cement

	3x10mm Hex Screw 半孔內六角螺絲x2
	3x15mm Flat Head Hex Screw 扁頭內六角螺絲x4
	J-35 3mm Tapered Washer(Alum.) 鋁錐型墊片x4

13 ASSEMBLY OF THE REAR GEAR CASE
 組合後齒輪箱

Step 1

5x4mm
A-63
A-13
A-01
Apply Grease

Step 2

5x4mm
A-63
G-13
Apply Grease

	5x4mm Set Screw 止付螺絲x1
	A-63 6x13x5mm Ball Bearing 培林x2

14 ASSEMBLY OF THE REAR GEAR CASE
 組合後齒輪箱

Step 1

3x20mm
A-01
C-22H
4x25mm

Step 2

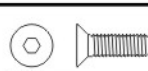



A-35A
4x16mm
A-35A

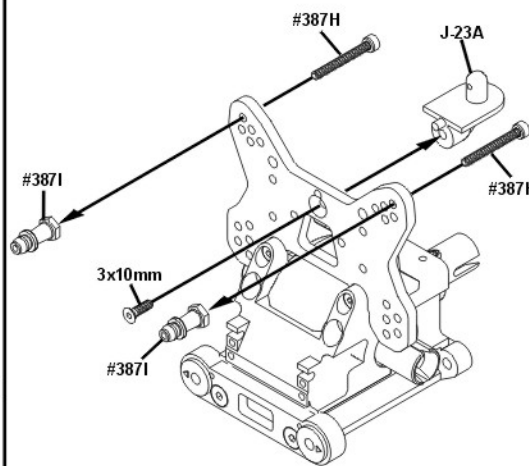
	3x20mm Flat Head Hex Screw 扁頭內六角螺絲x2
	4x16mm Flat Head Hex Screw 扁頭內六角螺絲x2
	4x25mm Flat Head Hex Screw 扁頭內六角螺絲x2

15 ASSEMBLY OF THE REAR GEAR CASE

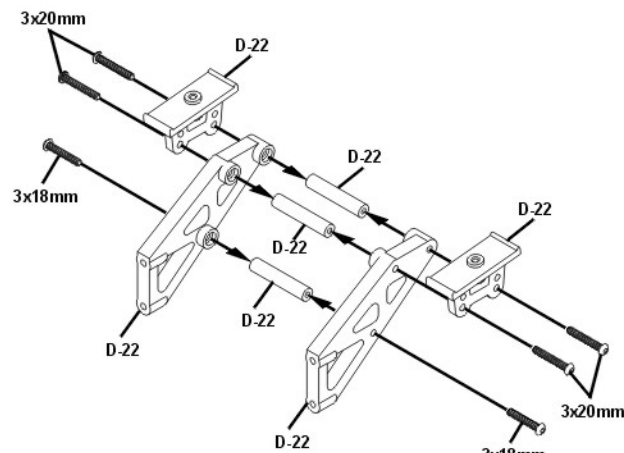
組合後齒輪箱

Step 1

-  3x10mm Flat Head Hex Screwx1
皿頭內六角螺絲
-  3x18mm Hex Screwx2
半丸內六角螺絲
-  3x20mm Hex Screwx4
半丸內六角螺絲
-  #387H 3x28mm Cap Screwx2
有頭內六角螺絲



Step 2


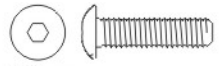





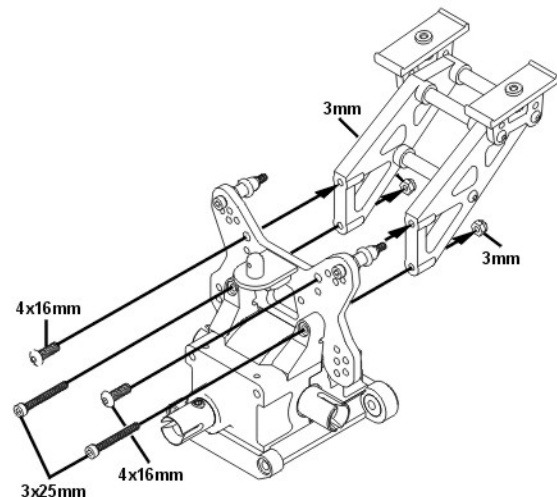
16 ASSEMBLY OF THE WING STAY AND REAR WHEEL HUB

組合定風翼架與後輪座

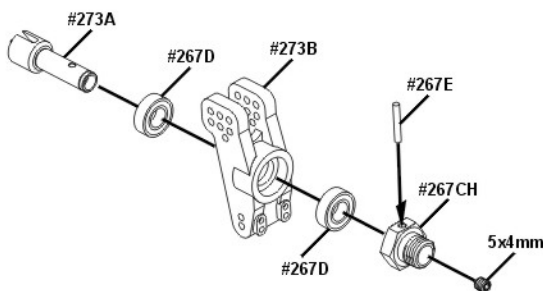
*Builds two rear wheel hubs for us.
*組合兩組後輪座

Step 1

-  5x4mm Set Screwx2
止付螺絲
-  4x16mm Hex Screwx2
半丸內六角螺絲
-  3x25mm Cap Screwx2
有頭內六角螺絲
-  3mm Nylon Nutx2
尼龍螺帽
-  2.5x16.8mm Pinx2
滾針



Step 2

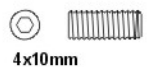





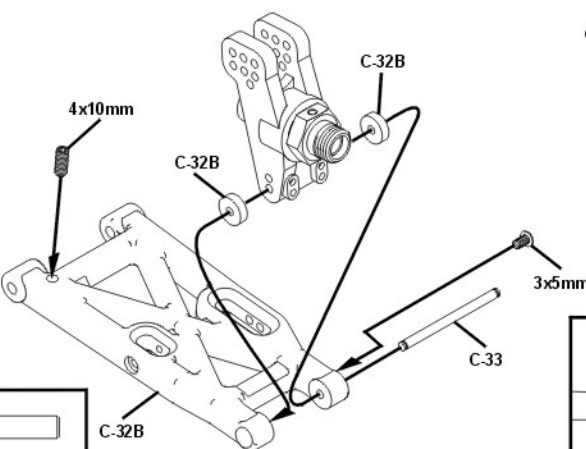
17 ASSEMBLY OF THE REAR WHEEL HUB AND UPPER ARM ROD

組合後輪座與後上擺臂

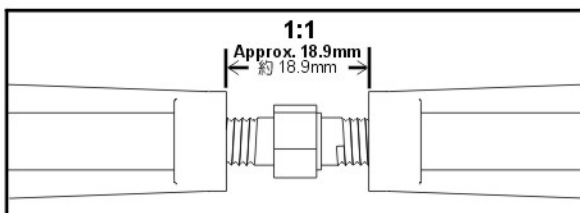
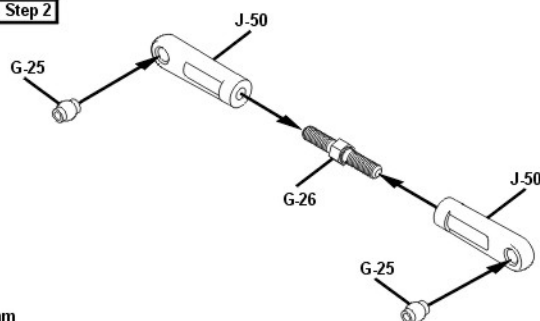
Assemble both right and left side.
請組合左/右兩側。

Step 1

-  4x10mm Set Screwx2
止付螺絲
-  3x5mm Hex Screwx2
半丸內六角螺絲
-  C-32 3x9.5x4mm Plastic Washerx4
塑膠墊片
-  C-33 3x42.6mm Arm Shaftx2
擺臂軸



Step 2



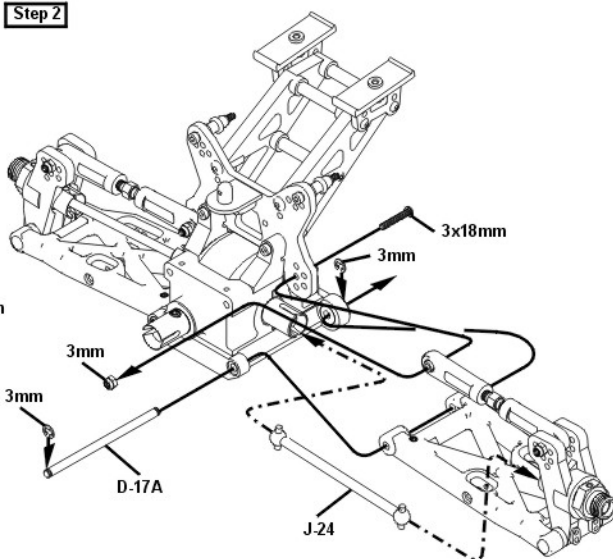
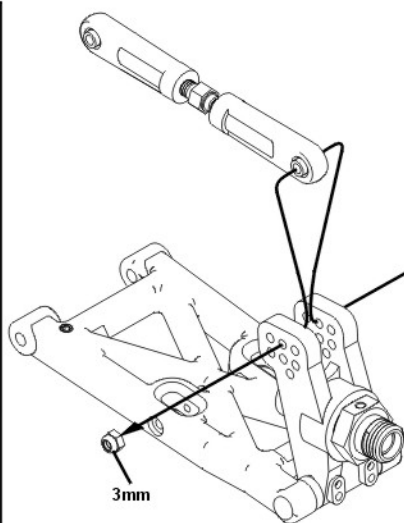
18 ASSEMBLY OF THE REAR LOW ARMS INTO GEAR BOX

組合後下擺臂

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

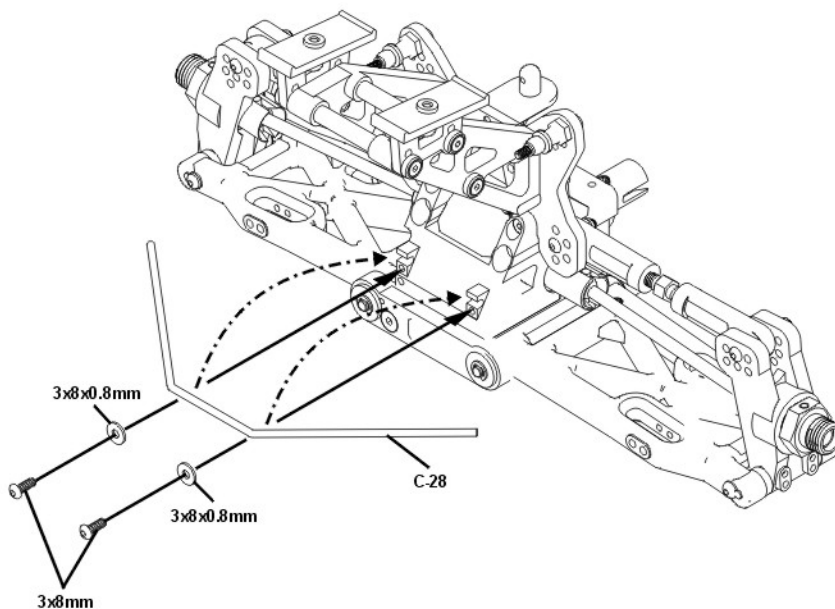
Step 1

Step 2



19 ASSEMBLY OF THE REAR STABILIZER

組合後平衡桿

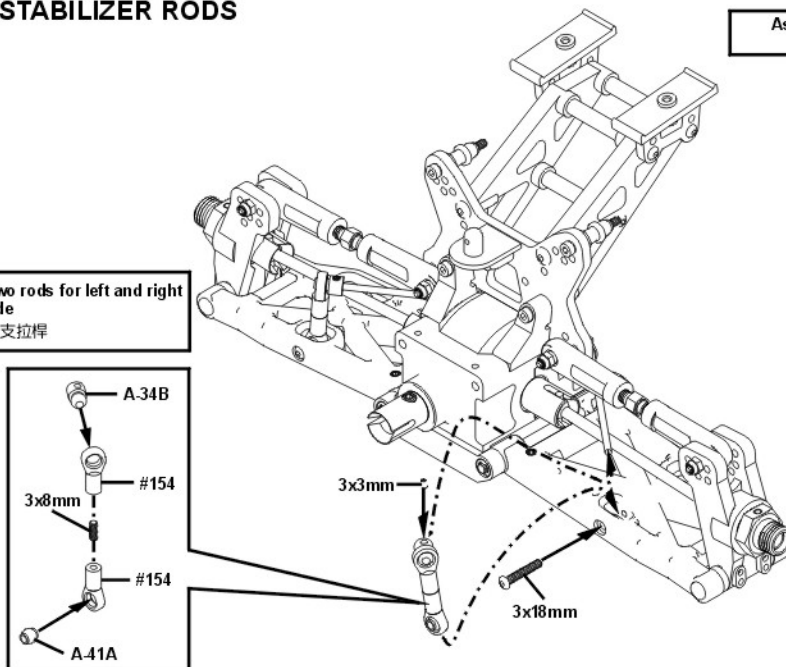


20 ASSEMBLY OF THE REAR STABILIZER RODS

組合後平衡桿球頭

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

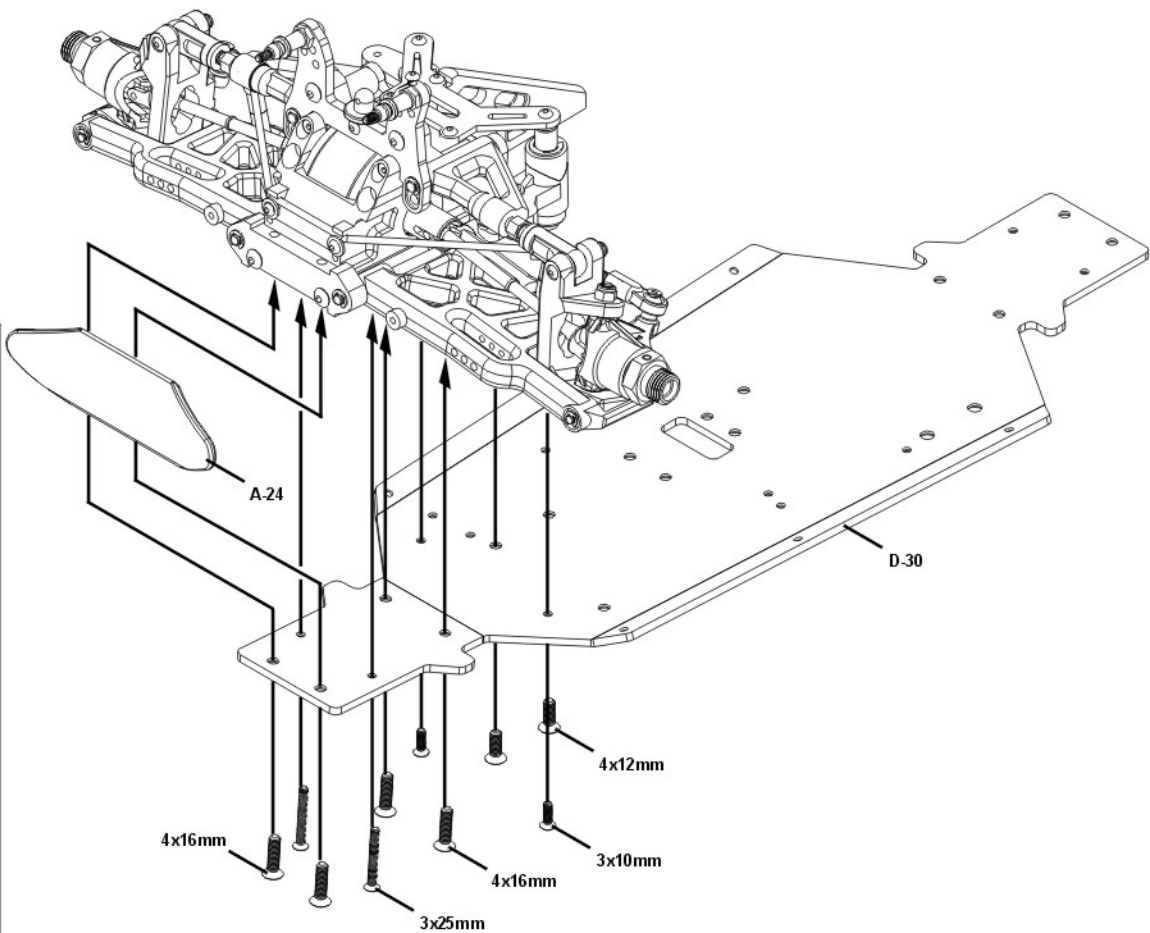
*Makes two rods for left and right hand-side
*請裝備2支拉桿



21 ASSEMBLY OF THE FRONT GEAR CASE ONTO CHASSIS

組合前齒輪箱至底盤

- 
 3x10mm Flat Head Hex Screwx2
 皿頭內六角螺絲
- 
 3x25mm Flat Head Hex Screwx2
 皿頭內六角螺絲
- 
 4x12mm Flat Head Hex Screwx2
 皿頭內六角螺絲
- 
 4x16mm Flat Head Hex Screwx4
 皿頭內六角螺絲

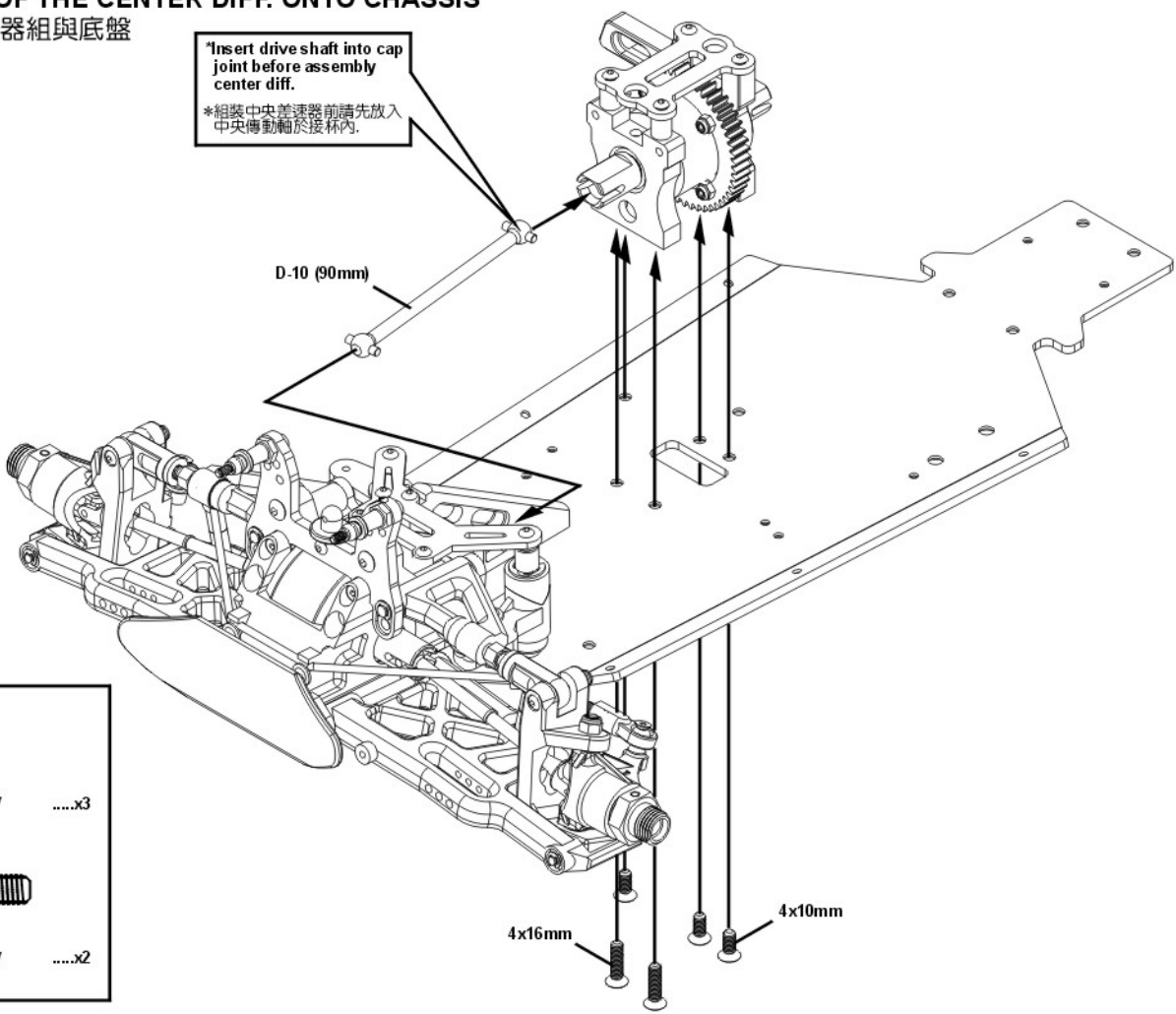


22 ASSEMBLY OF THE CENTER DIFF. ONTO CHASSIS

組合中央差速器組與底盤

*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軸於接杯內。

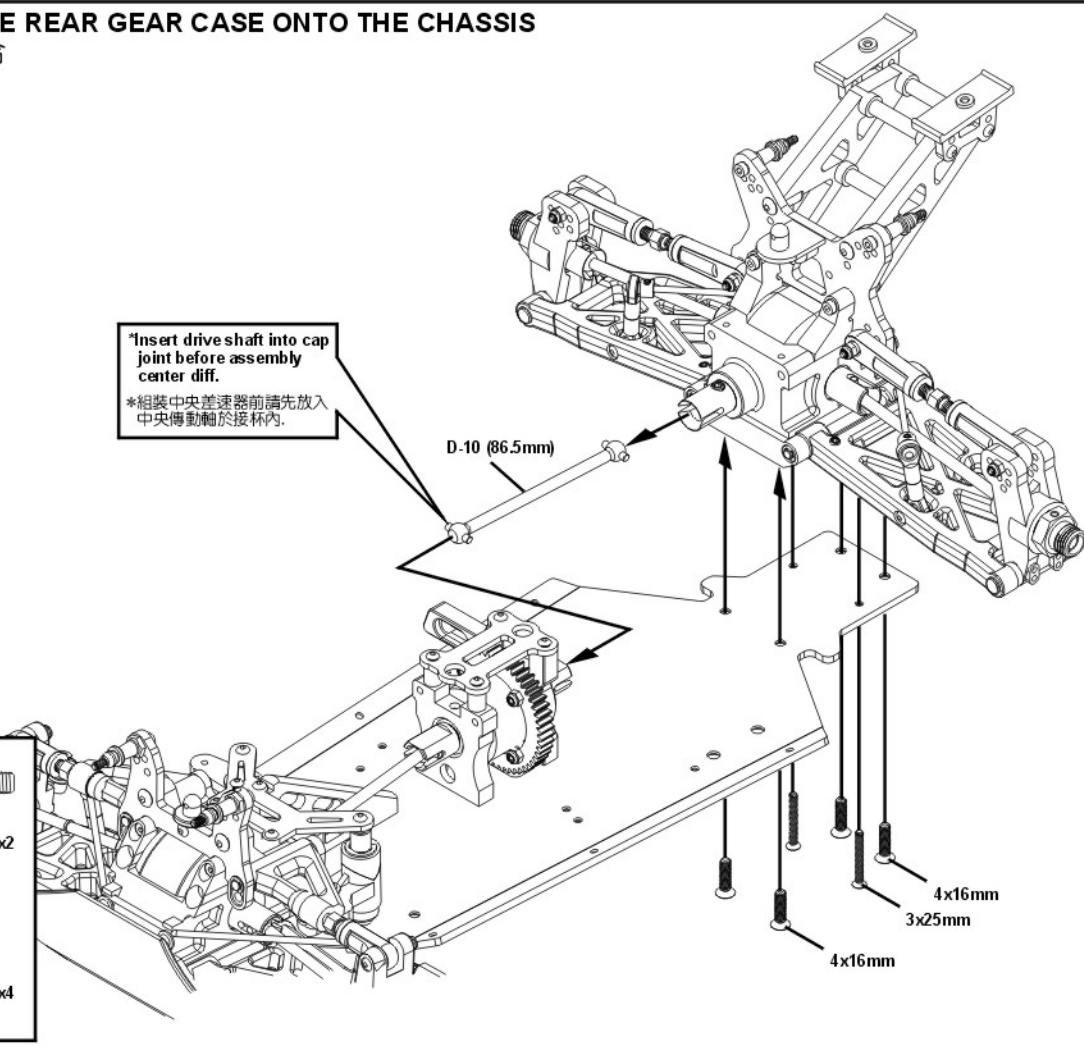
- 
 4x10mm Flat Head Hex Screwx3
 皿頭內六角螺絲
- 
 4x16mm Flat Head Hex Screwx2
 皿頭內六角螺絲



23 ASSEMBLY OF THE REAR GEAR CASE ONTO THE CHASSIS
後齒輪箱與底盤組合

-  3x25mm Flat Head Hex Screwx2
皿頭內六角螺絲
-  4x16mm Flat Head Hex Screwx4
皿頭內六角螺絲

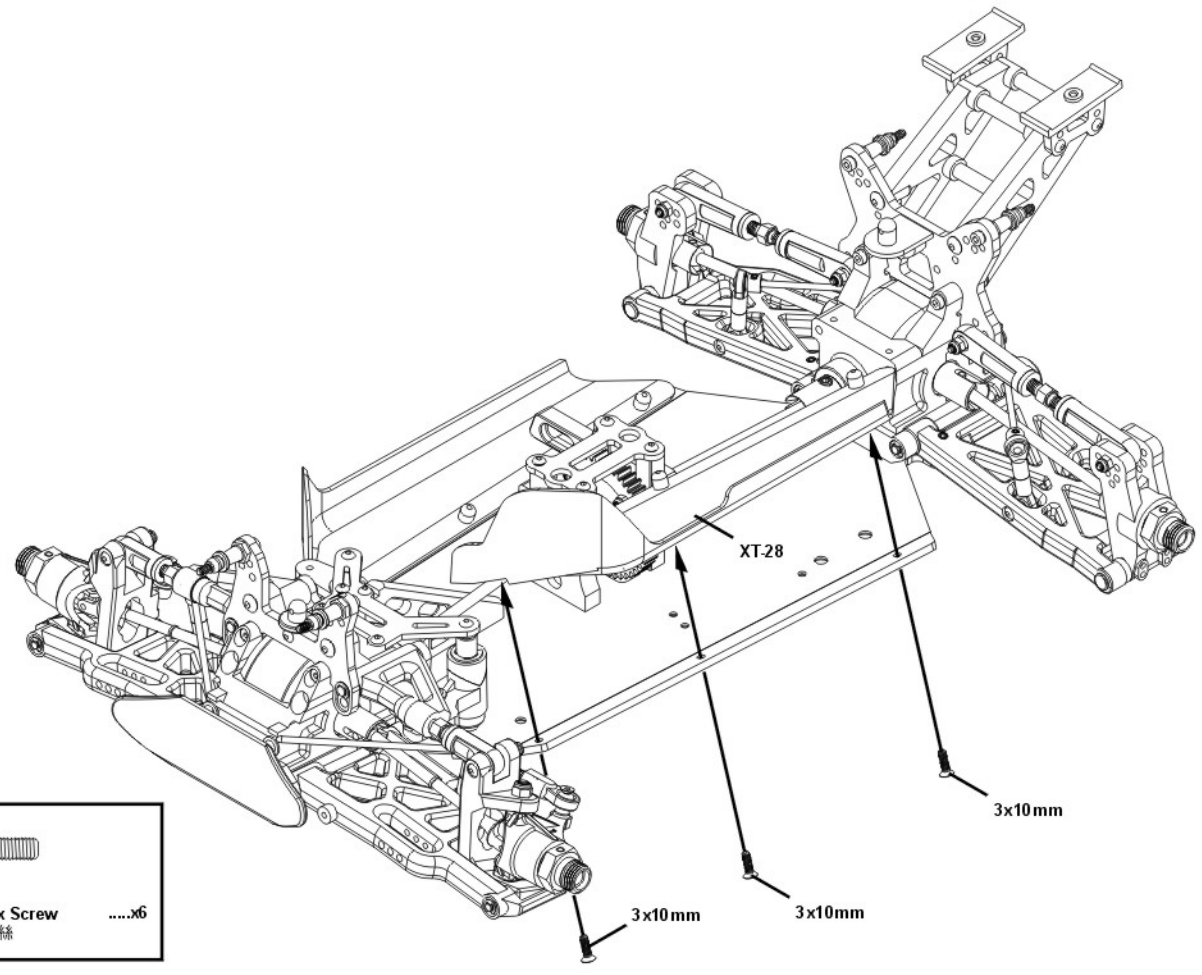
*Insert drive shaft into cap joint before assembly center diff.
*組裝中央差速器前請先放入中央傳動軸於接杯內。



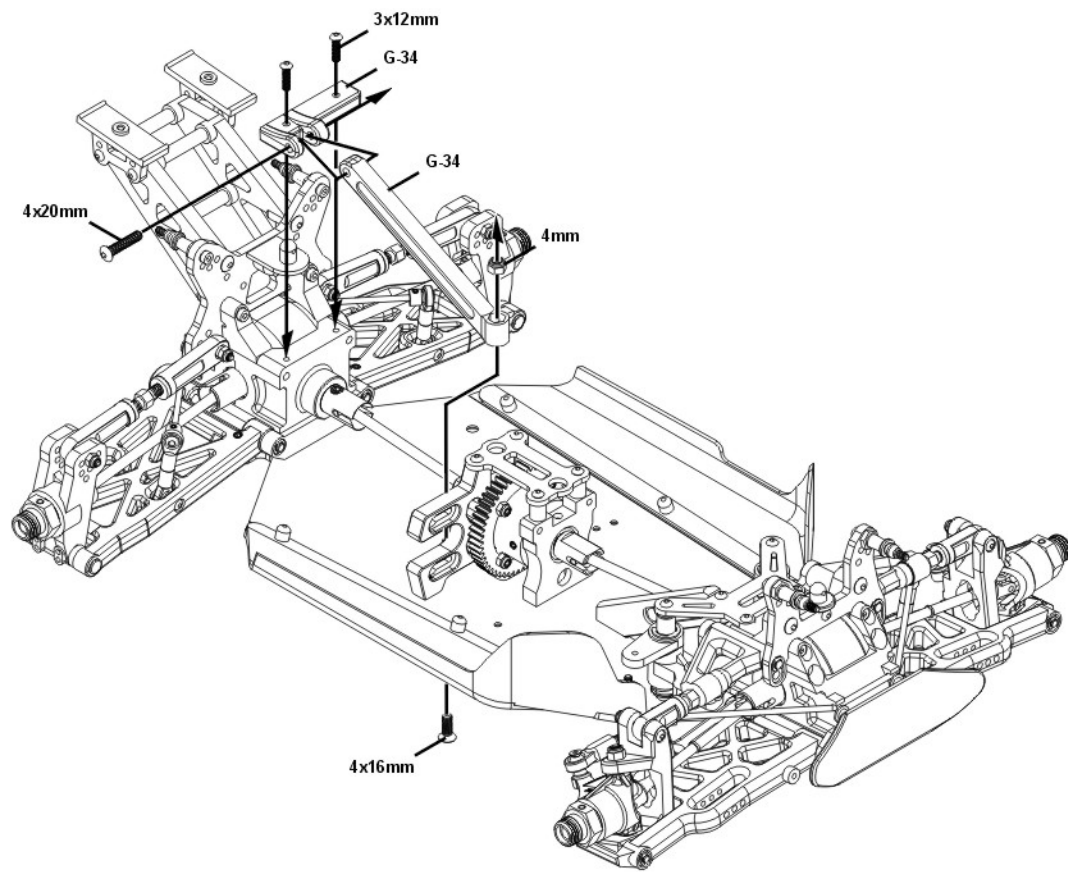
24 ASSEMBLY OF THE STONE GUARD
組合防撞板

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

-  3x10mm Flat Head Hex Screwx6
皿頭內六角螺絲



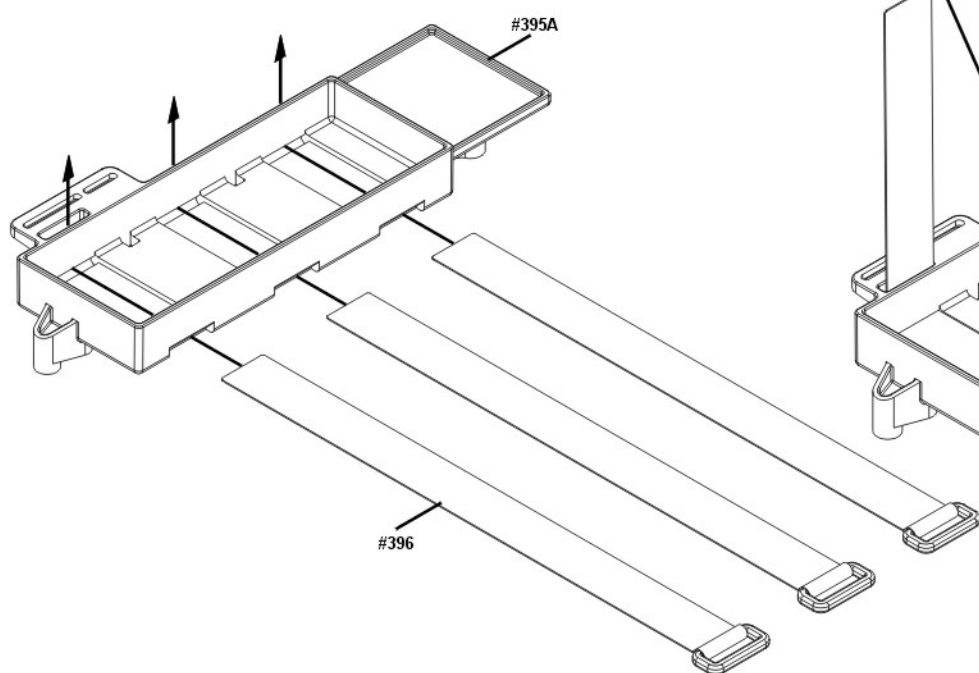
25 ASSEMBLY OF THE REAR CENTER BRACE
後中央補強桿組合



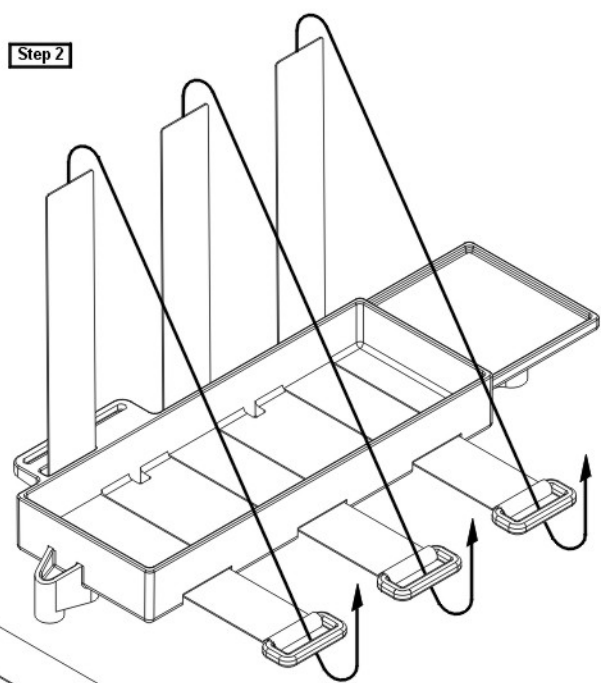
- | | | | |
|--|--|---------------------------------------|--------|
| | | 4mm Nylon Nut
尼龍螺帽 |x2 |
| | | 3x12mm Hex Screw
半丸內六角螺絲 |x2 |
| | | 4x20mm Hex Screw
半丸內六角螺絲 |x1 |
| | | 4x16mm Flat Head Hex Screw
皿頭內六角螺絲 |x1 |

26 ASSEMBLY OF THE MAGIC TAPE INTO BATTERY CASE
組合魔術粘束帶至電池盒

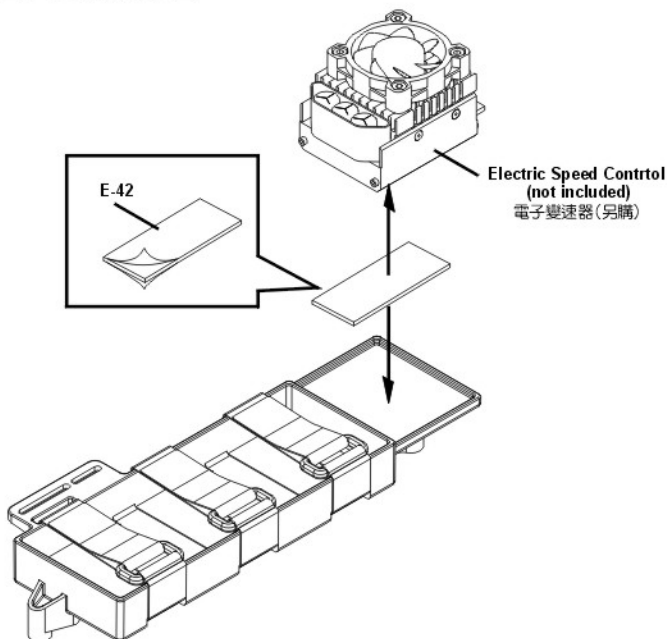
Step 1



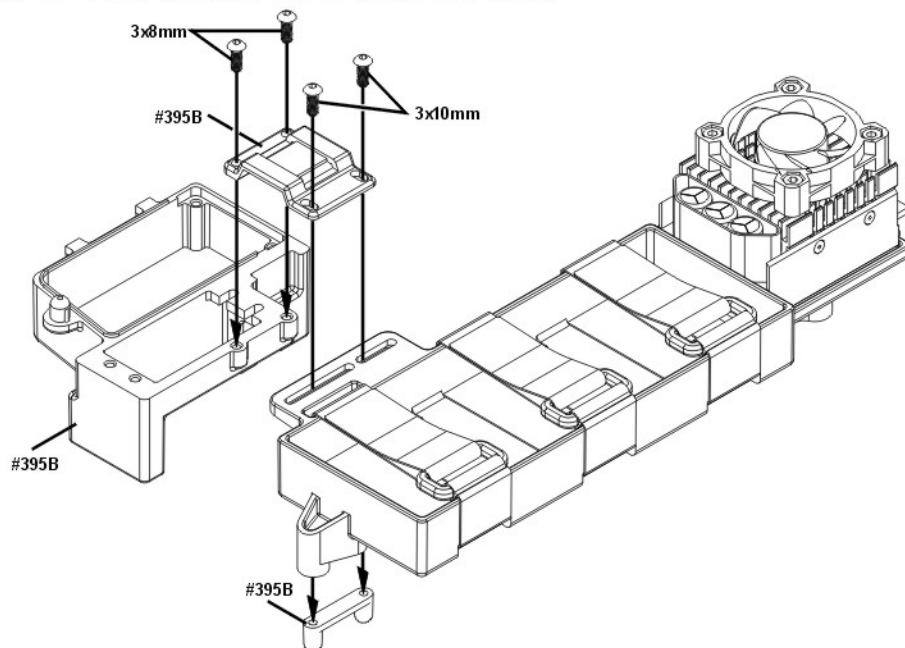
Step 2



27 ASSEMBLY OF THE ELECTRIC SPEED CONTROL
 組合電子變速器至電池盒

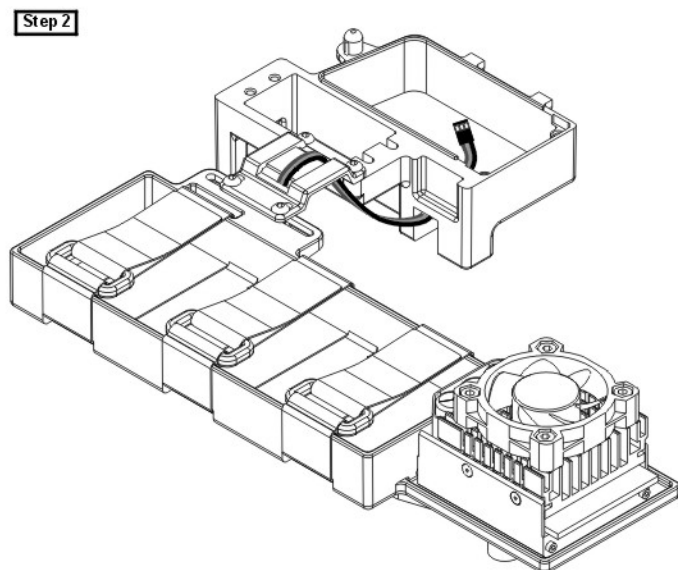
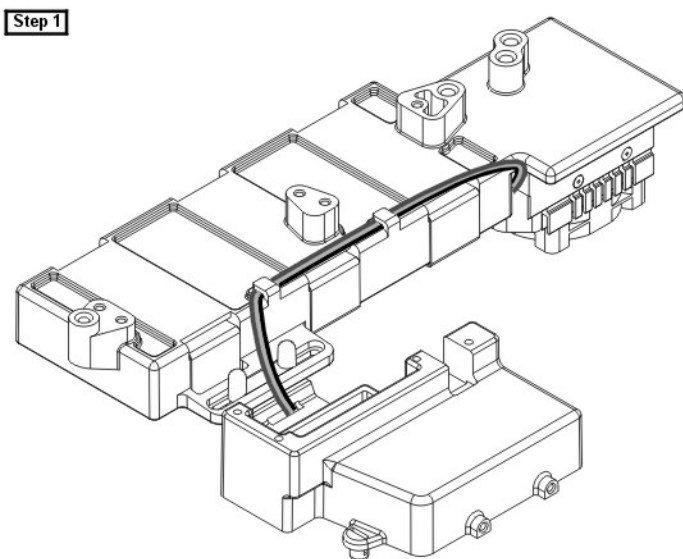


28 ASSEMBLY OF THE BATTERY TRAY BRIDGE ONTO BATTERY CASE
 組合電線座至電池盒



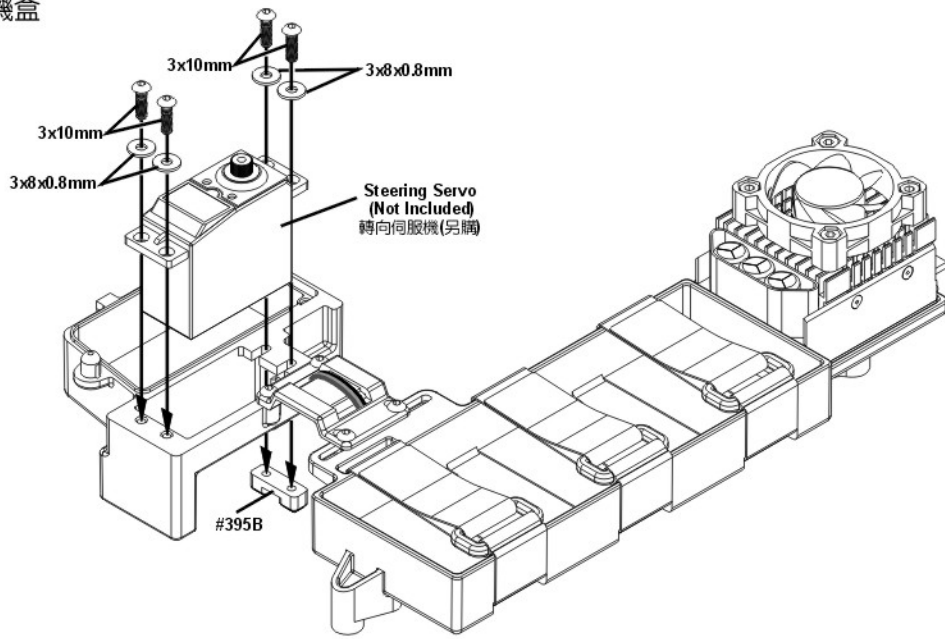
- | | | |
|--|--------------------------------|--------|
| | 3x8mm
Hex Screw
半丸內六角螺絲 |x2 |
| | 3x10mm
Hex Screw
半丸內六角螺絲 |x2 |

29 ASSEMBLY OF THE ELECTRIC SPEED CONTROL WIRE INTO RADIO CASE
 組合電子變速器導線至接收機盒



30 ASSEMBLY OF THE STEERING SERVO ONTO RADIO CASE

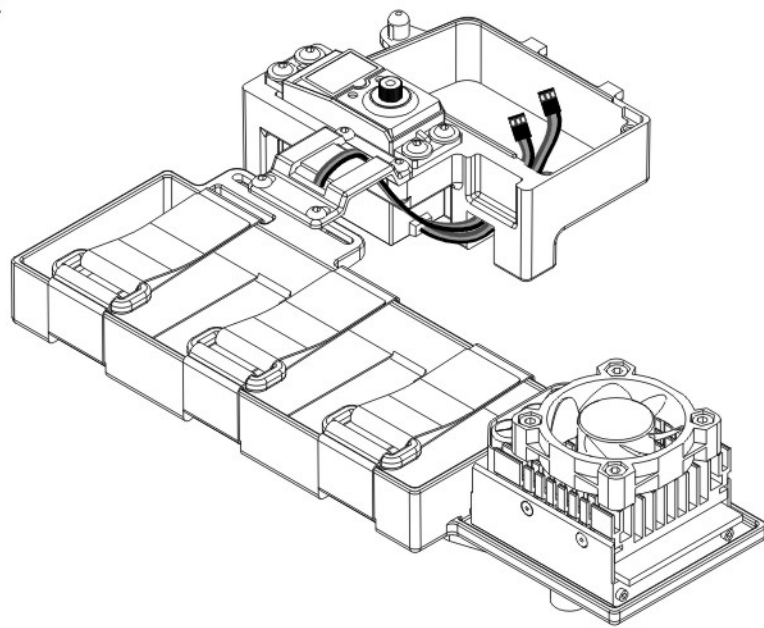
組合轉向伺服機至接收機盒



- | | | |
|--|------------------|---------|
| | 3x10mm Hex Screw |x4 |
| | 半丸內六角螺絲 | |
| | 3x8x0.8mm Washer |x4 |
| | 墊片 | |

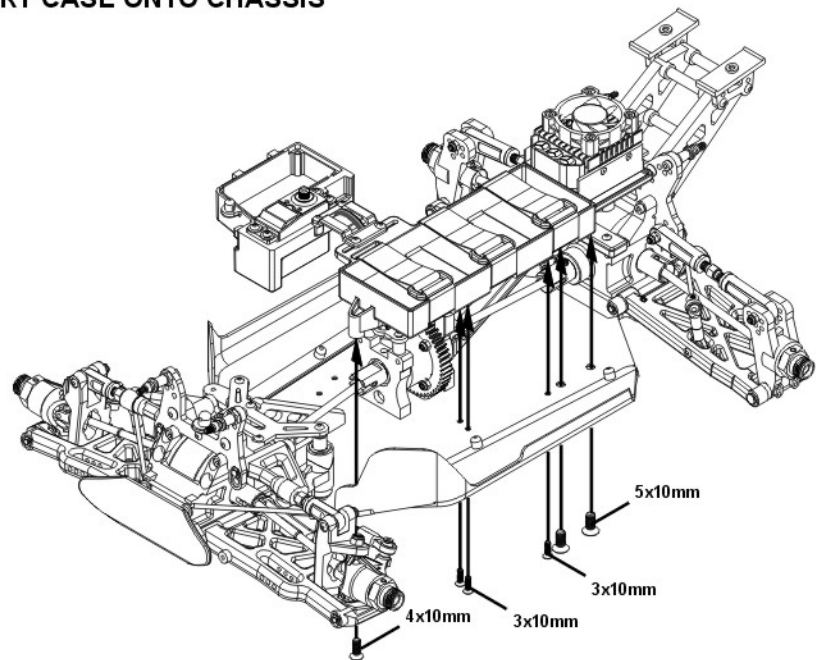
31 ASSEMBLY OF THE SERVO WIRE INTO RADIO CASE

組合伺服機導線至接收機盒



32 ASSEMBLY OF THE BATTERY CASE ONTO CHASSIS

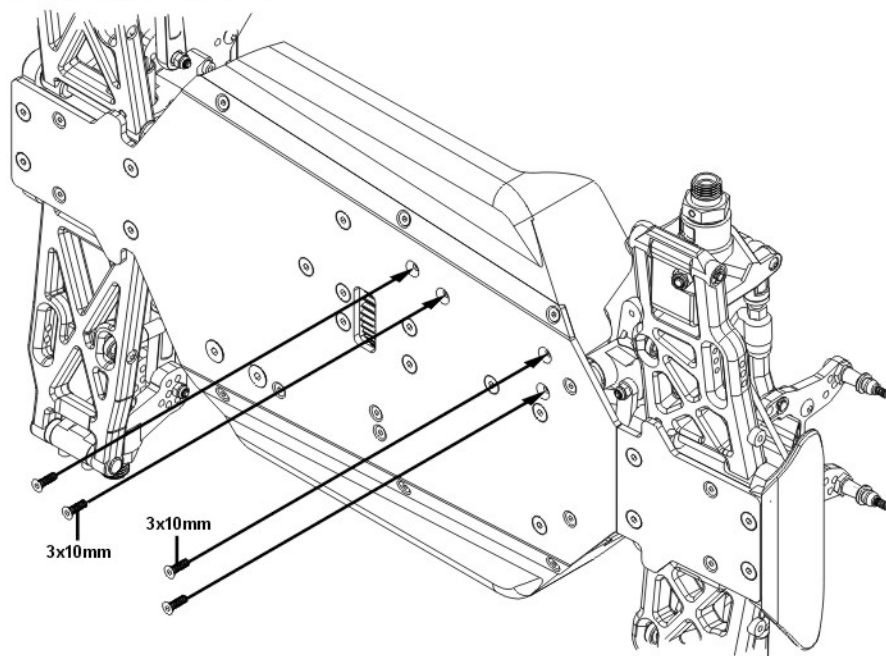
組合電池盒至底盤



- | | | |
|--|----------------------------|---------|
| | 3x10mm Flat Head Hex Screw |x3 |
| | 圓頭內六角螺絲 | |
| | 4x10mm Flat Head Hex Screw |x1 |
| | 圓頭內六角螺絲 | |
| | 5x10mm Flat Head Hex Screw |x2 |
| | 圓頭內六角螺絲 | |

33 ASSEMBLY OF THE RADIO CASE ONTO CHASSIS

組合接收機盒至底盤



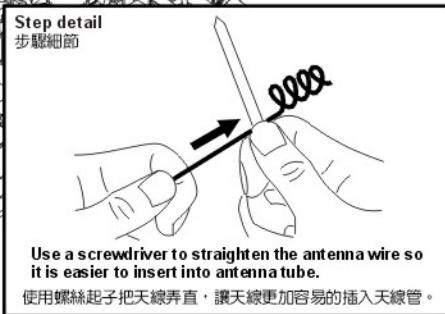
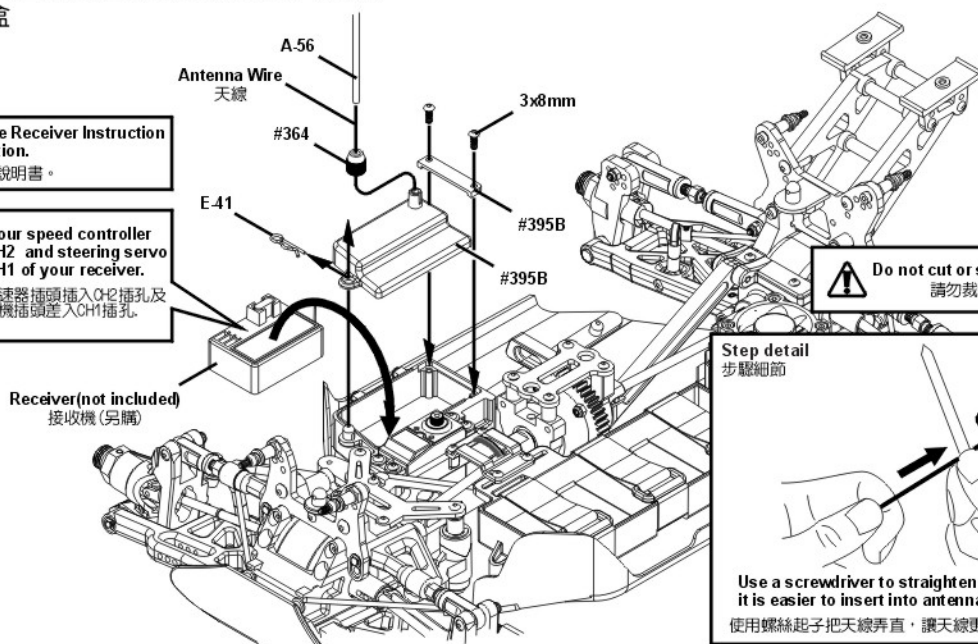
34 ASSEMBLY OF THE RECEIVER INTO RADIO CASE

組合接收機至接收機盒

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

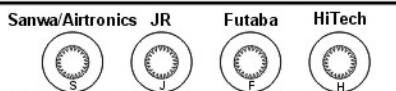
***Plug in your speed controller wire to CH2 and steering servo wire to CH1 of your receiver.**
*將電子變速器插頭插入CH2插孔及轉向伺服機插頭插入CH1插孔。

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



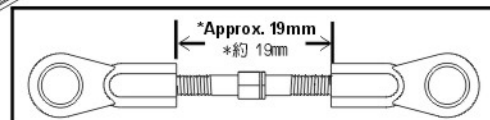
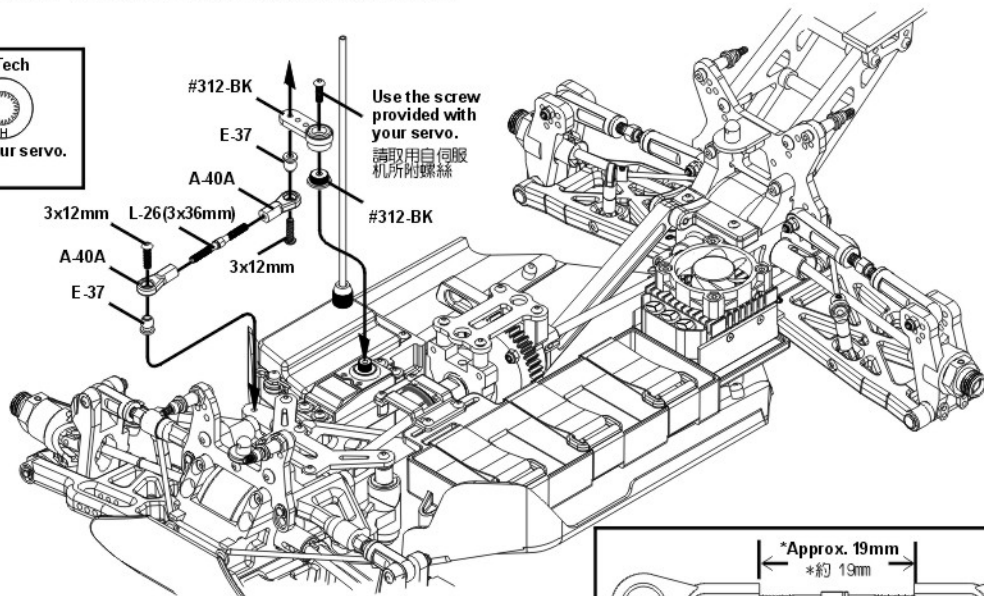
35 ASSEMBLY OF THE STEERING ROD ONTO STEERING SERVO

組合轉向拉桿至接收機盒

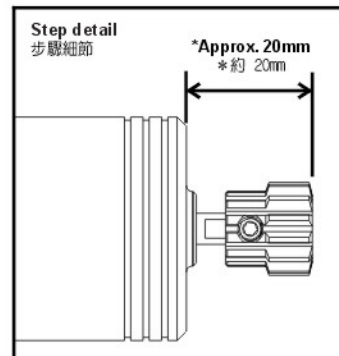
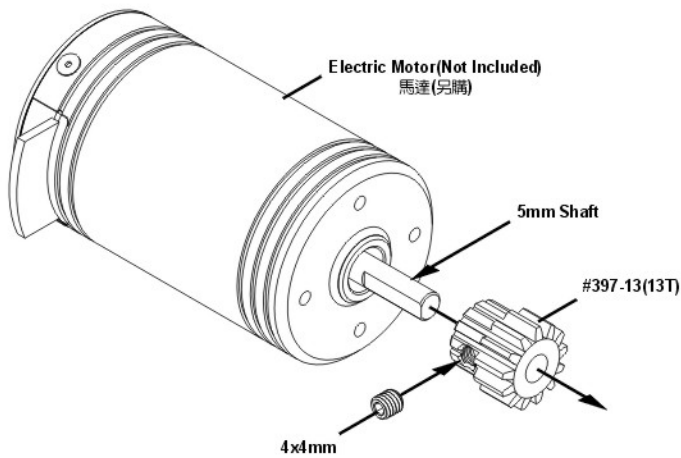


*** Choose the right servo horn adapter for your servo.**
*請選擇適用伺服機轉接套。

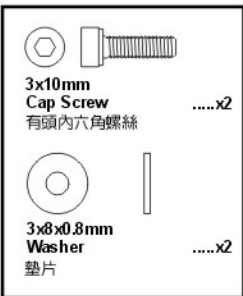
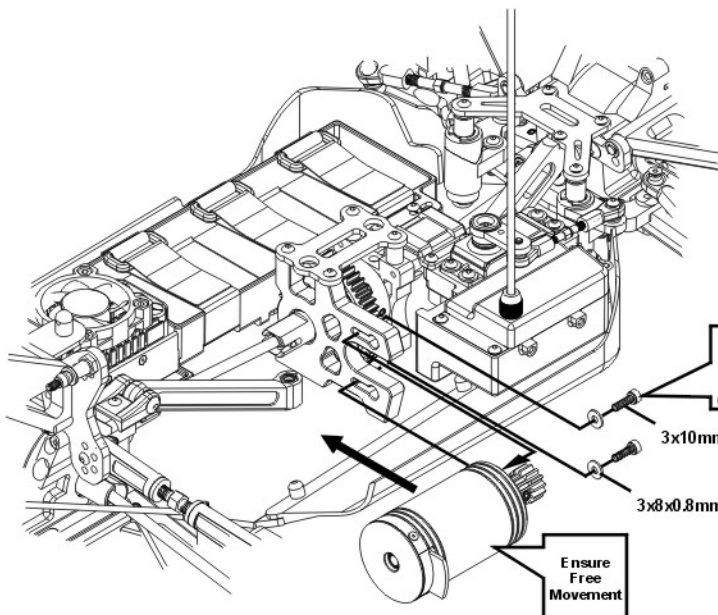
Use the screw provided with your servo.
請取用自伺服機所附螺絲



36 MOTOR INSTALL 安裝馬達



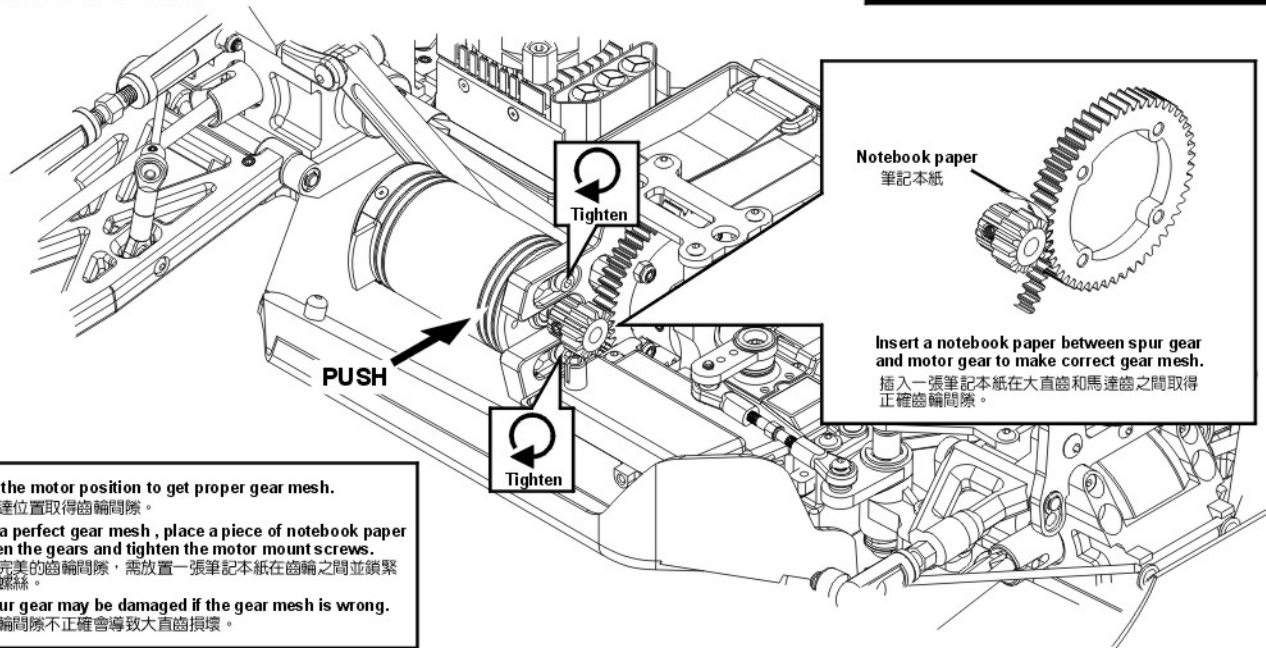
37 MOTOR INSTALL 安裝馬達



Tighten the 3x10mm screw temporary.
暫時鎖緊 3x10mm 螺絲。

38 ADJUST MOTOR AND SPUR GEAR MAINTENANCE 調整馬達與大直齒距離

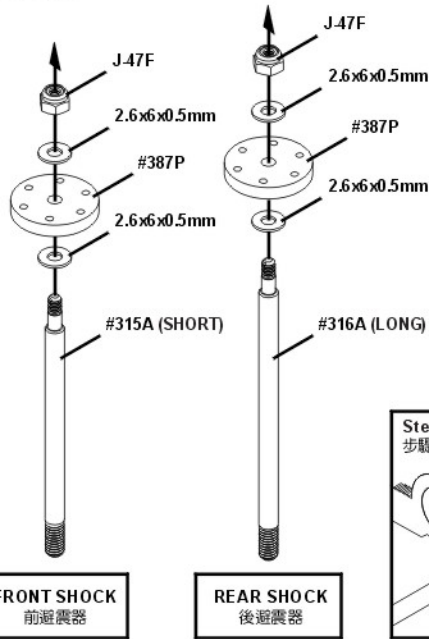
EXTREMELY IMPORTANT 非常重要



- Adjust the motor position to get proper gear mesh.
調整馬達位置取得齒輪間隙。
- 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 wrong.
如果齒輪間隙不正確會導致大直齒損壞。

39 ASSEMBLY OF THE SHOCKS 組合避震器

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

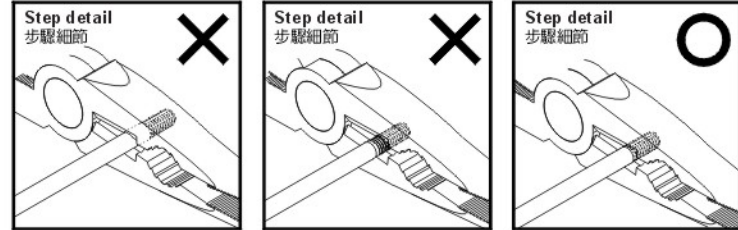


Step detail
步驟細節

- Hold the shock rod at top of exposed thread with side cutting needle nosed pliers. 使用尖嘴鉗夾住避震軸心螺紋頂部。
- Be careful not to damage the shock rod. 小心不要夾傷避震軸心。

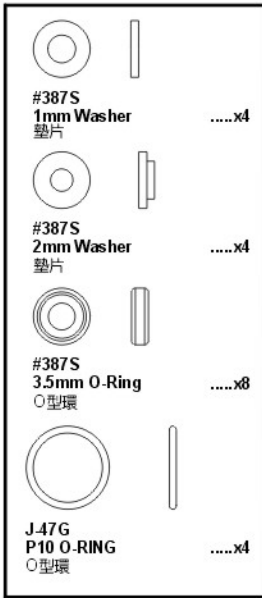
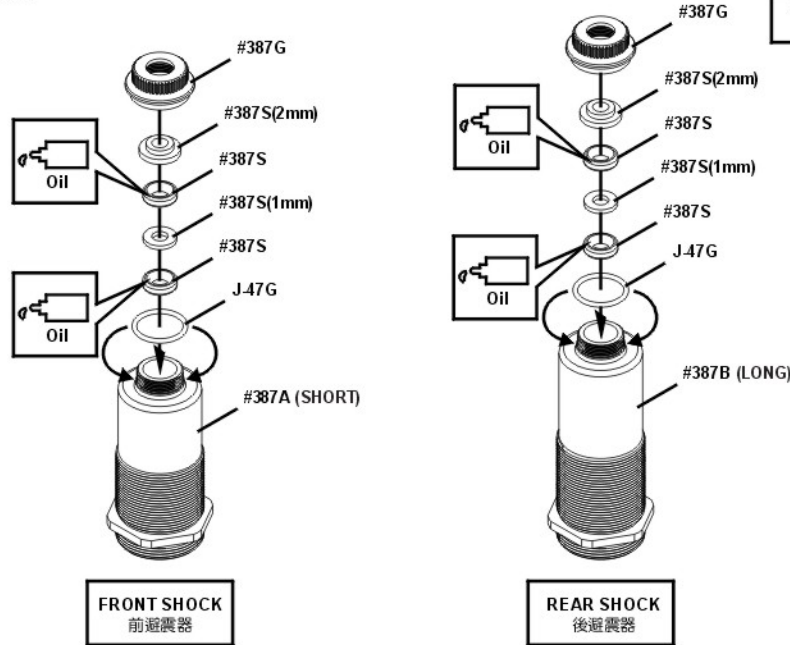


Use tools to tighten as shown.
如圖示使用工具鎖緊。



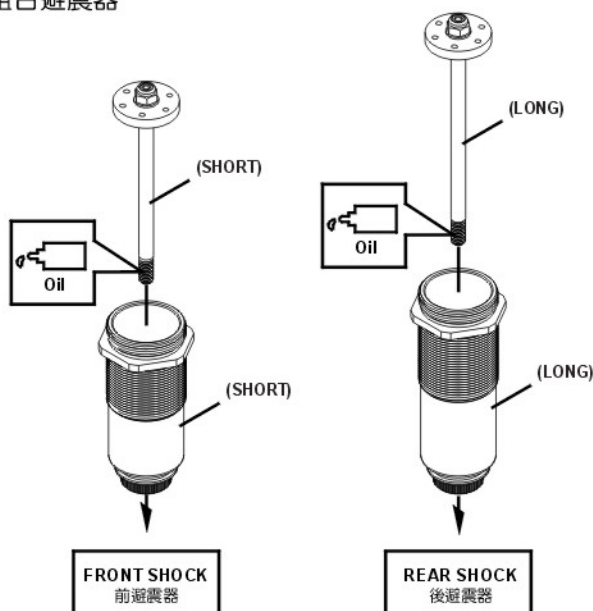
40 ASSEMBLY OF THE SHOCKS 組合避震器

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



41 ASSEMBLY OF THE SHOCKS 組合避震器

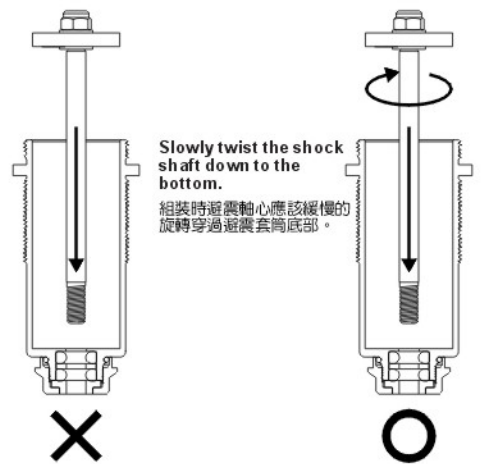
Assemble both left and right sides.
請組合左 / 右兩側。



EXTREMELY IMPORTANT 非常重要

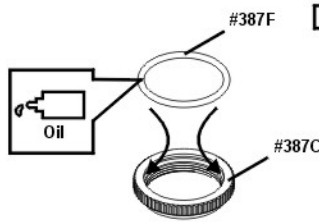
Do not push the shock shaft straight down; O-ring can be damaged.
組裝時避震軸心不可直接穿過避震套筒底部；O型環可能會受損。

Slowly twist the shock shaft down to the bottom.
組裝時避震軸心應該緩慢的旋轉穿過避震套筒底部。



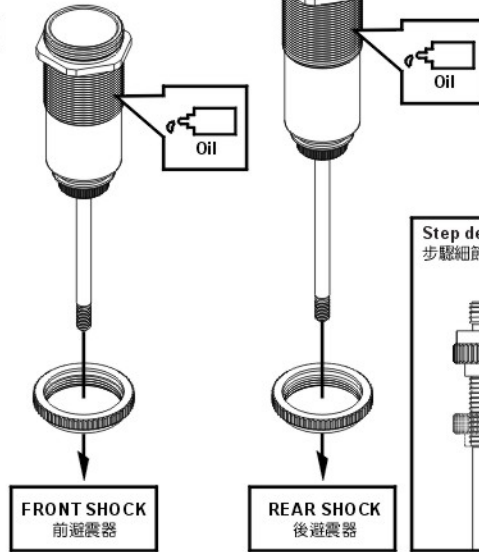
42 ASSEMBLY OF THE SHOCKS 組合避震器

Step 1



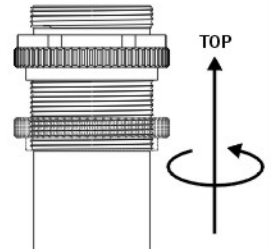
Fit the o-ring into groove before assembly.
將O環預先裝入調整環的溝槽內

Step 2



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

Step detail
步驟細節



#387F
P10 O-RING
O型環

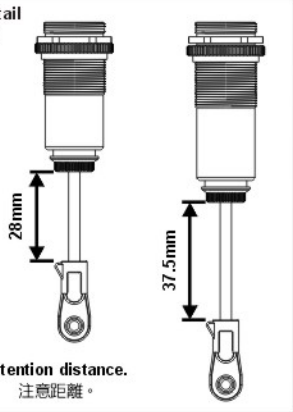
.....x4

FRONT SHOCK
前避震器

REAR SHOCK
後避震器

43 ASSEMBLY OF THE SHOCKS 組合避震器

Step detail
步驟細節

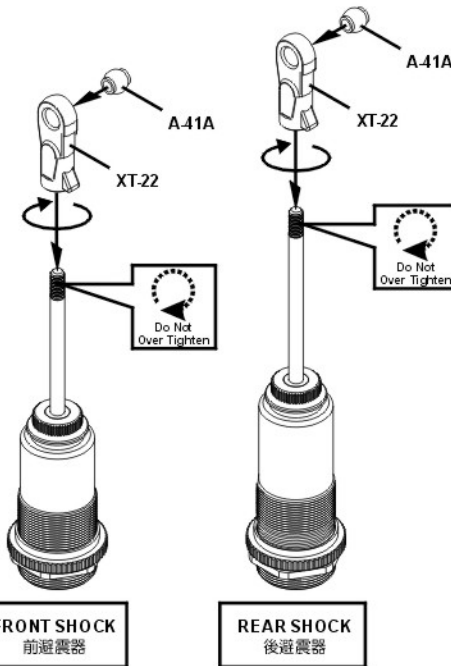


Attention distance.
注意距離。



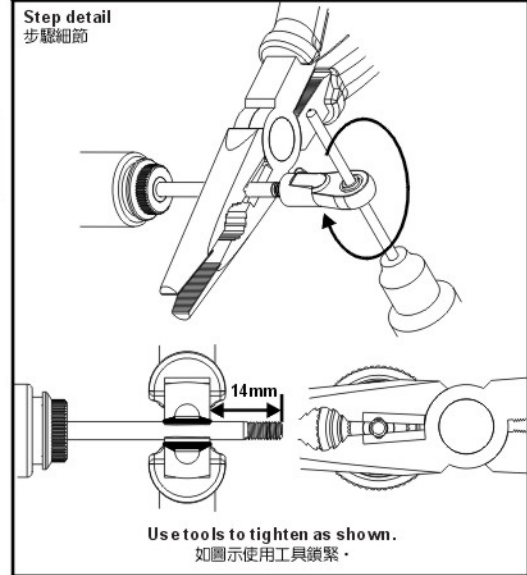
A-41A
6mm Ball
球型

.....x4



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

Step detail
步驟細節



Use tools to tighten as shown.
如圖示使用工具鎖緊。

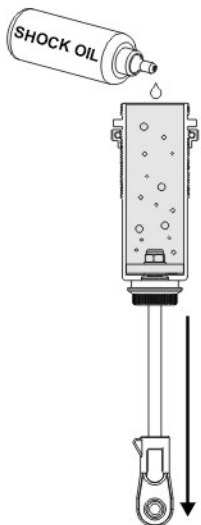
FRONT SHOCK
前避震器

REAR SHOCK
後避震器

44 SETTING THE SHOCK REBOUND TO 100% (HIGH REBOUND) 設置避震器反彈到 100% (高反彈)

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

Step 1



Step 2



3-5x
UP & DOWN
上下拉動

Step 3



Time

Step 4

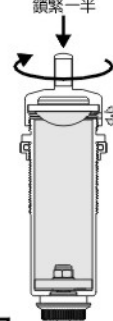


Step detail
步驟細節



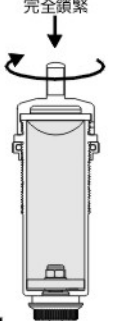
● Leave the filled shock vertically for several minutes with the shock shaft fully extended.
將避震軸心下拉到底垂直放置幾分鐘。
● The remaining air bubbles will release.
剩餘空氣氣泡會消散。

TIGHTENED HALF WAY 50%
鎖緊一半



Step 5

TIGHTENED 100%
完全鎖緊



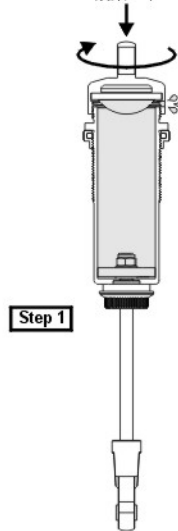
Step 6

45 SETTING THE SHOCK REBOUND TO 50% & 0% (MEDIUM REBOUND & LOW REBOUND)

設置避震器反彈到 50% 與 0% (適中反彈與低反彈)

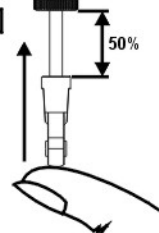
TIGHTENED HALF WAY 50%

鎖緊一半

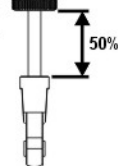


Step 1

Step 2



Step 3



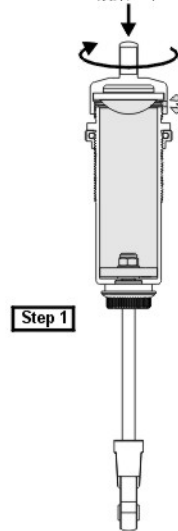
TIGHTENED 100%

完全鎖緊



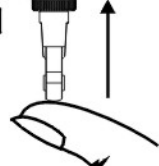
TIGHTENED HALF WAY 50%

鎖緊一半



Step 1

Step 2

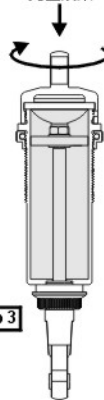


Step 3



TIGHTENED 100%

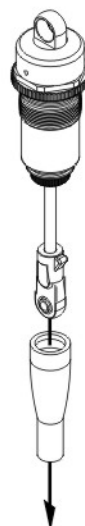
完全鎖緊



46 ASSEMBLY OF THE SHOCKS SPRING

組合避震器彈簧

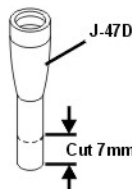
Step 2



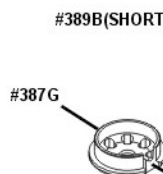
Step 3



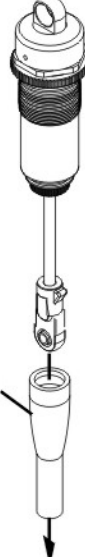
Step 1



FRONT SHOCK
前避震器



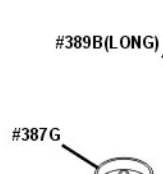
Step 1



Step 2

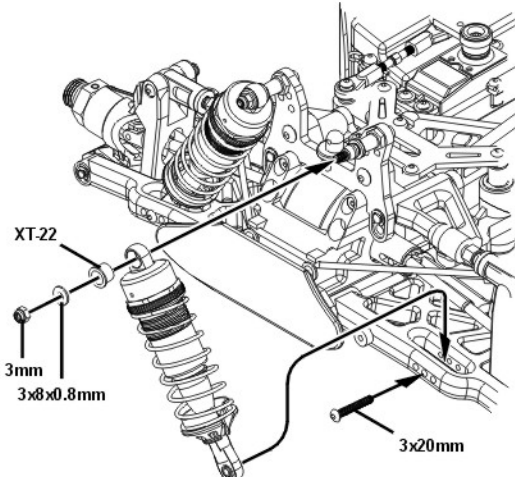
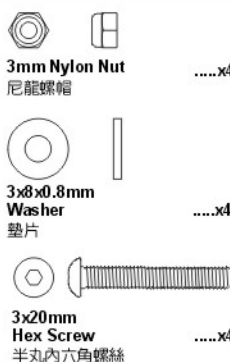


REAR SHOCK
後避震器

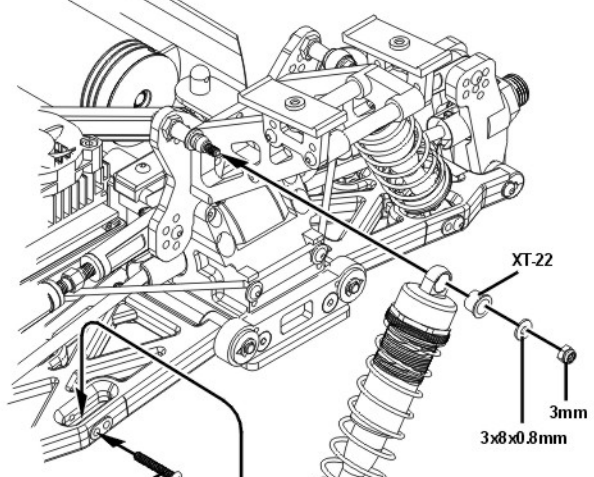


47 ASSEMBLY OF THE SHOCKS INTO THE SHOCK STAY

組合避震器至油壓架



FRONT SHOCK
前避震器



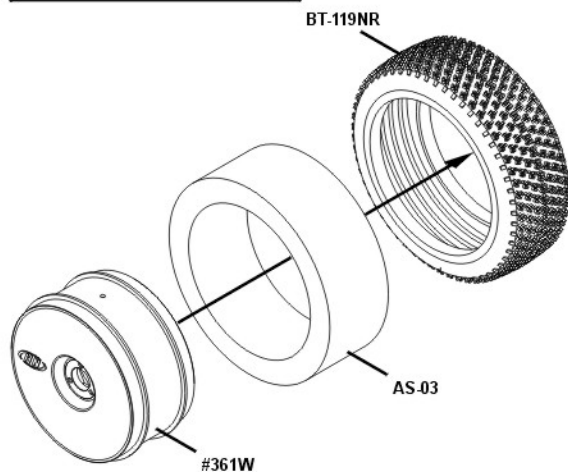
REAR SHOCK
後避震器

48 ASSEMBLY OF THE TIRES AND WHEELS

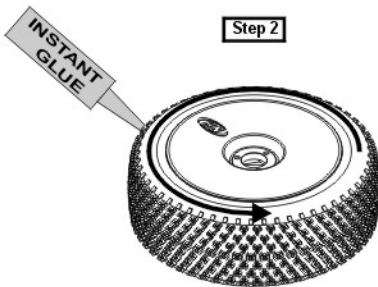
組合輪胎與輪框

Step 1

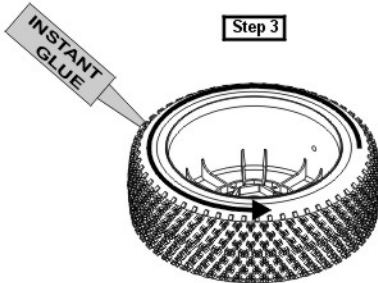
Make four tires that are the same.
請組合4個輪胎。



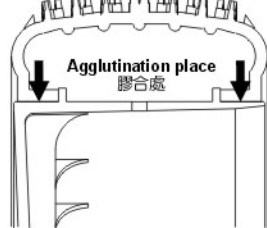
Step 2



Step 3



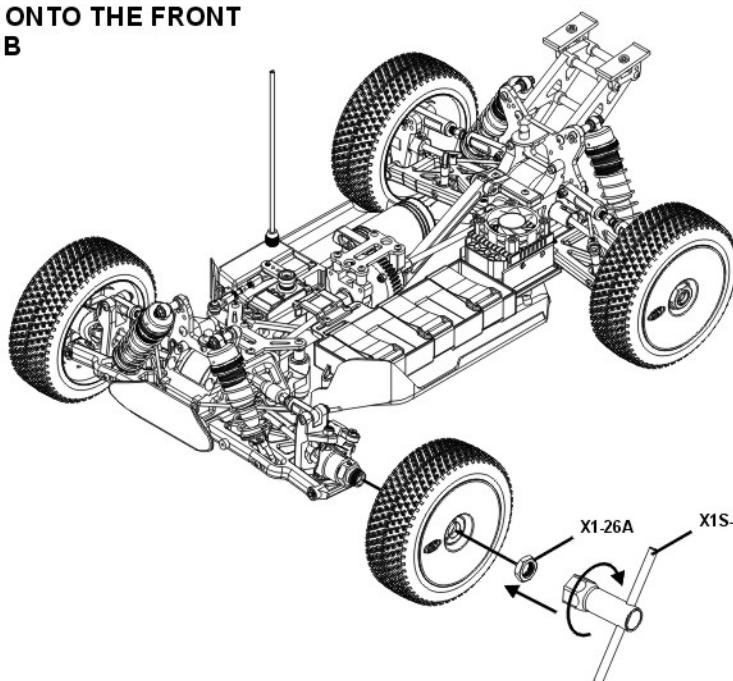
Step detail 步驟細節



- Use "Instant glue" and draw a round the rim where it attaches the tire. When it is dry glue the other side of the rim.
請在輪圈與輪胎接合處用「瞬間膠水」粘合。並等其乾固之後再粘合另外一面。
- Repeat the step and ensure the rim and tire are fully glued.
請重複步驟確定輪胎與輪框完全粘合，以避免脫落。

49 ASSEMBLY OF THE TIRE 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

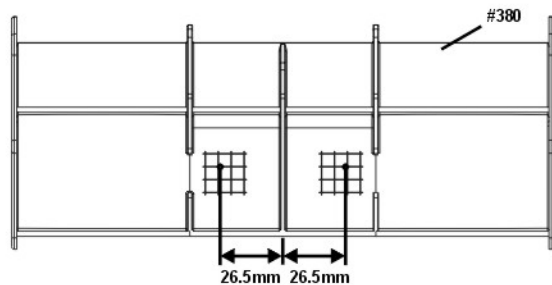
....x4

X1-26A X1S-34

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框螺帽。(X1S-34)

50 ASSEMBLY OF THE WING

組合定風翼

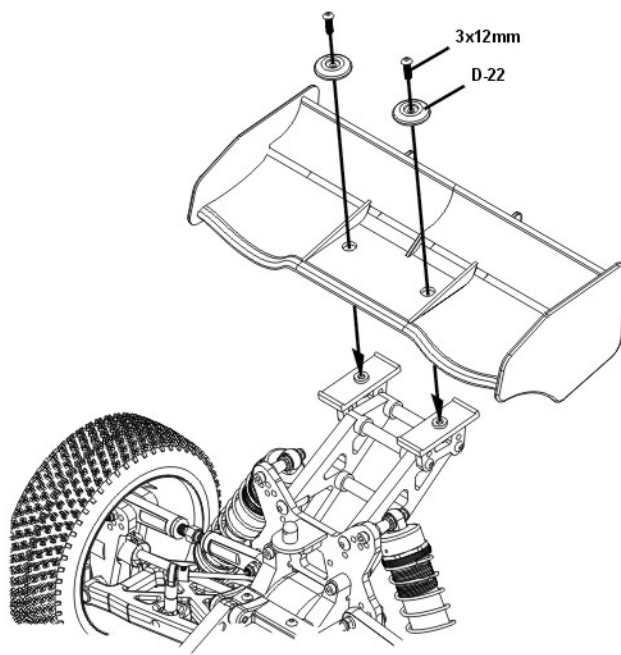


Drill two 7mm holes for mounting.
在圖示位置使用鑽孔器鑽出7mm孔。



3x12mm
Hex Screw
半丸內六角螺絲

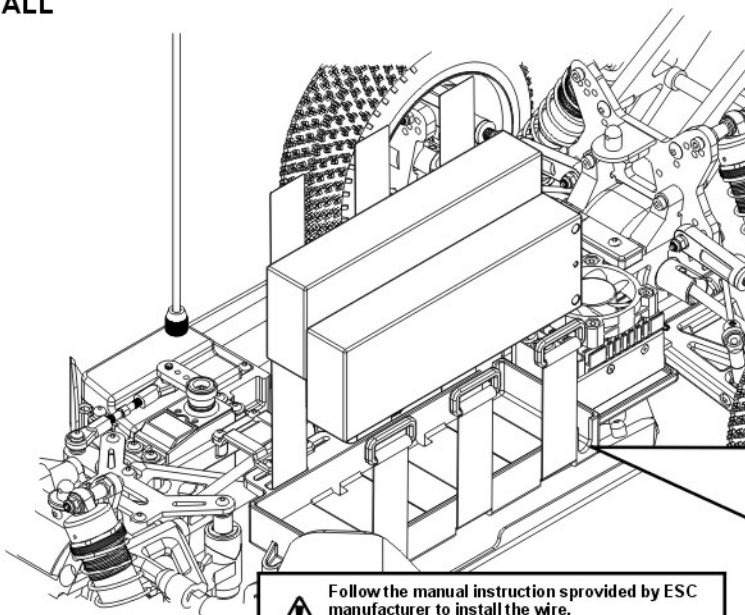
....x2



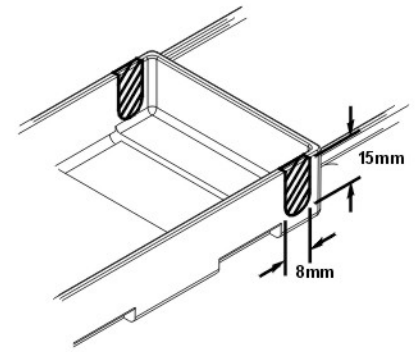
3x12mm

D-22

51 BATTERY INSTALL 安裝電池



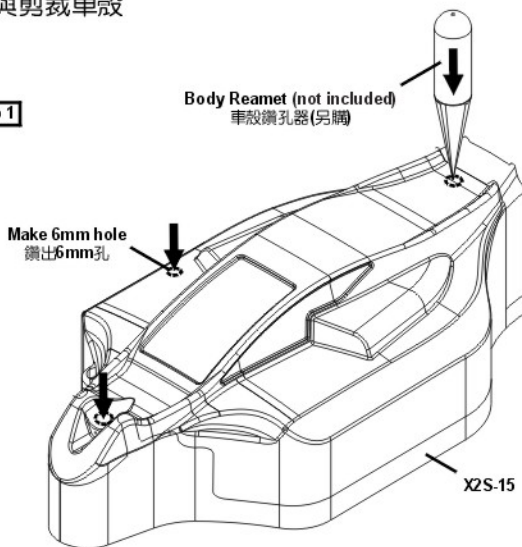
*If use hard case battery , make a hole as picture shown.
*使用部分硬殼種類電池時，須在電池盒上裁出如圖所示的開口。



⚠ Follow the manual instruction provided by ESC manufacturer to install the wire.
請依照電子變速器製造商建議安裝電線。

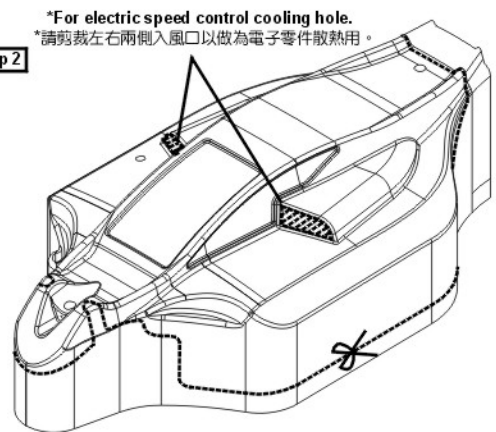
52 MAKING HOLES AND CUTTING ON THE BODY SHELL 鑽孔與剪裁車殼

Step 1



Make 7.5mm holes on the body shell as shown.
如圖示在車殼上鑽出8mm孔。

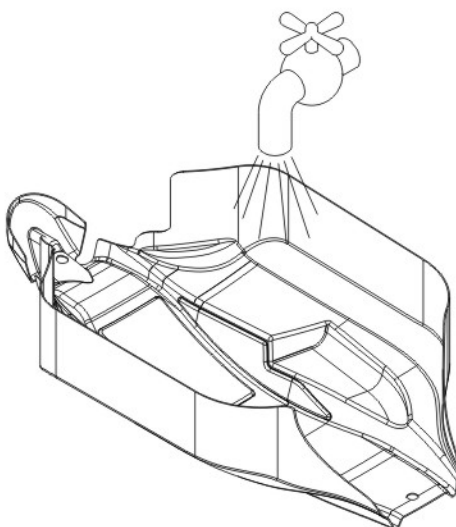
Step 2



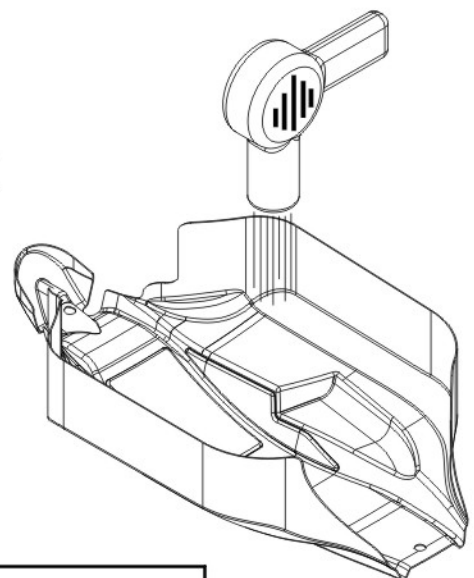
Cut the body shell as shown.
如圖示裁剪車殼。

53 WASH THE INSIDE OF THE BODY SHELL 清洗車殼內部

Step 1



Step 2

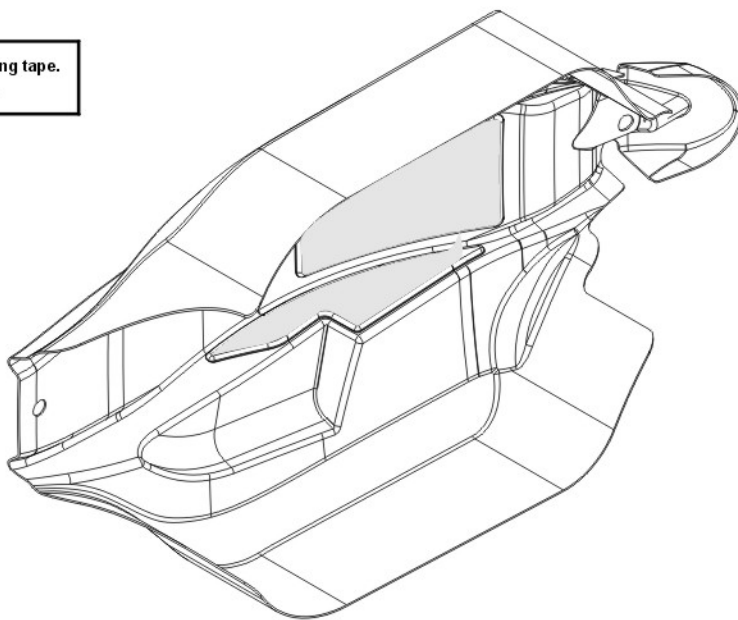


Wash the inside of the body shell with mild detergent, and then rinse and dry thoroughly.
用中性清潔劑清洗車身內部，然後沖洗乾淨並充分烘乾。

54 PAINTING BODY SHELL

塗裝車殼

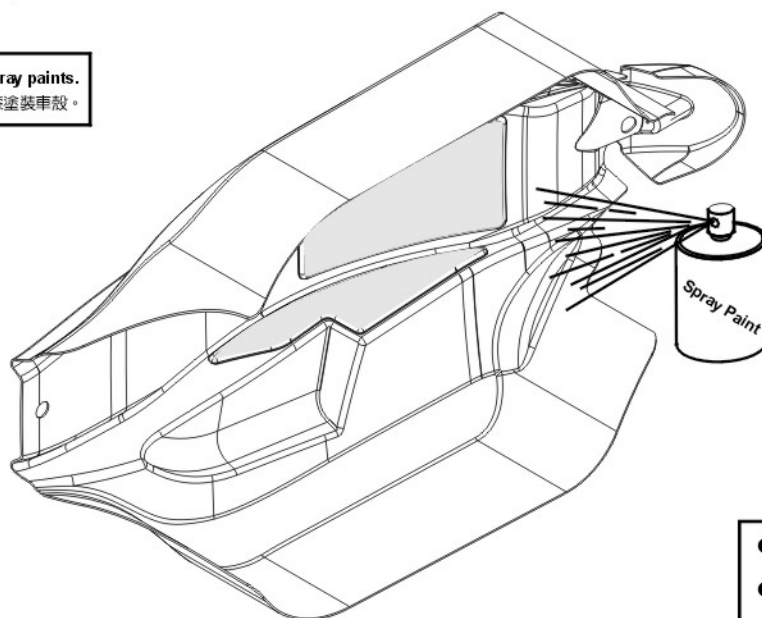
Mask the windows on the inside with masking tape.
使用車窗覆蓋紙由內面貼上車窗部份。



55 PAINTING BODY SHELL

塗裝車殼

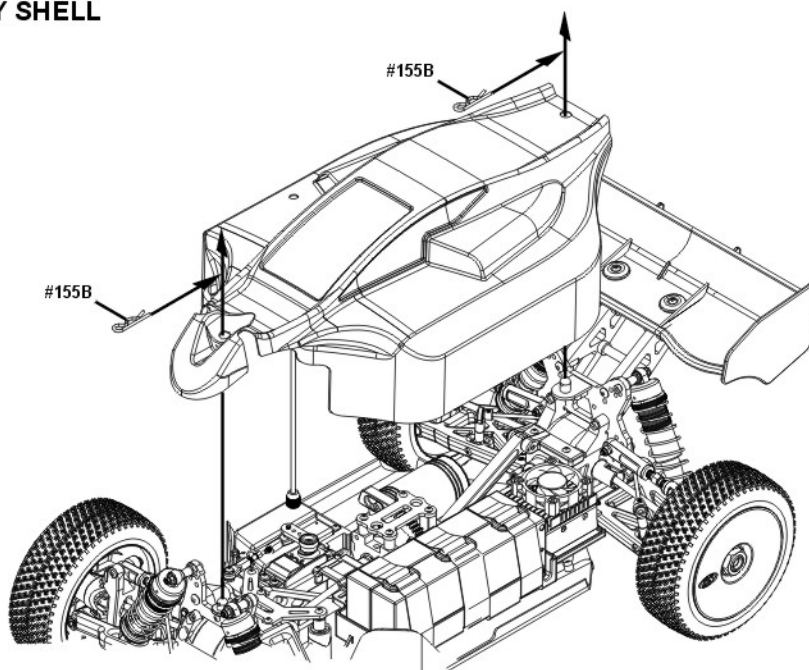
Paint the body with polycarbonate spray paints.
由內面貼上彩繪貼紙再使用車殼專用噴漆塗裝車殼。



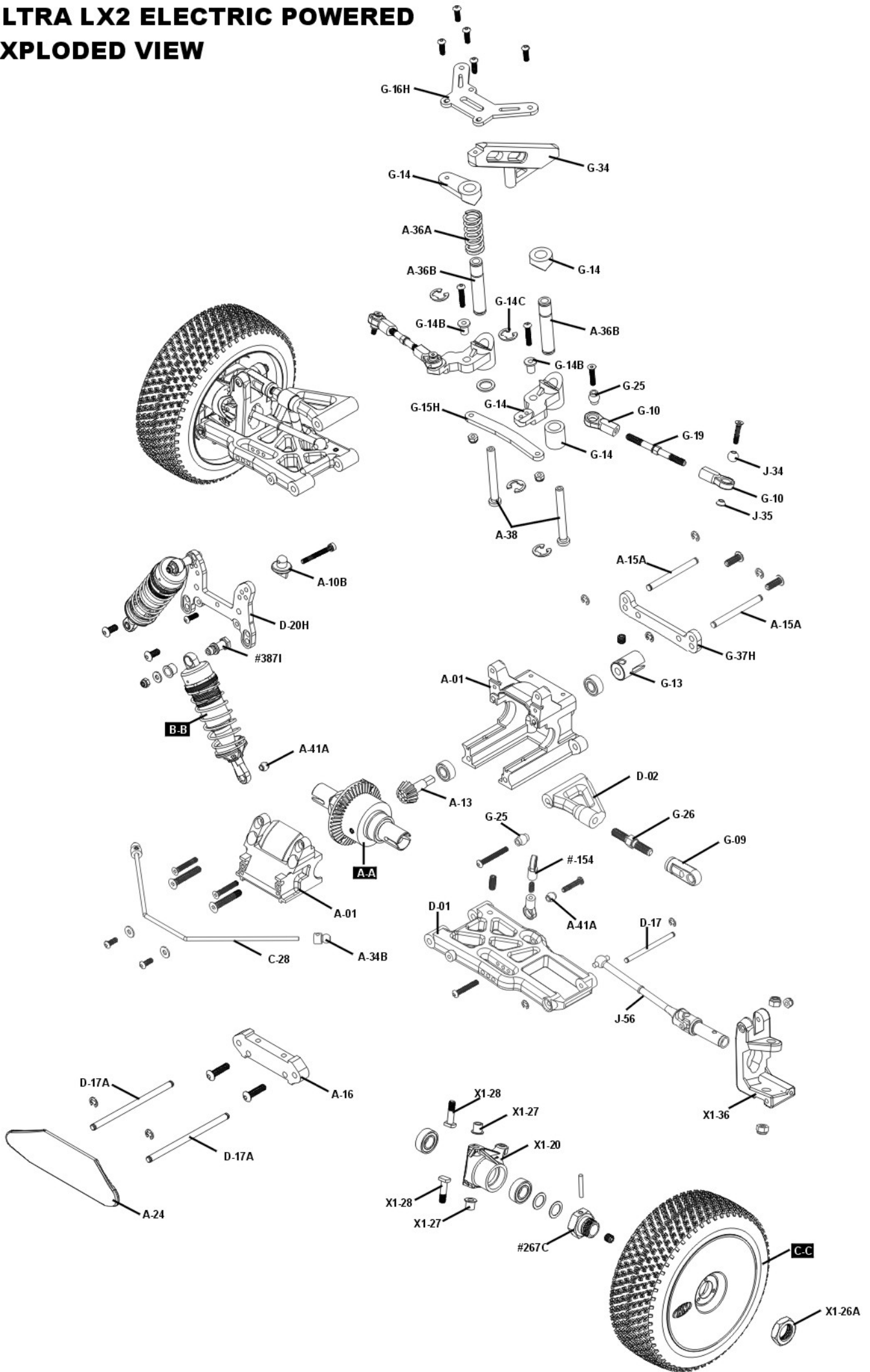
- When the paint is dry, remove the masking.
當塗裝乾燥後，撕去車窗覆蓋紙。
- When you have finished painting, peel off the external protective films.
當完成塗裝後，撕去外部保護膜。

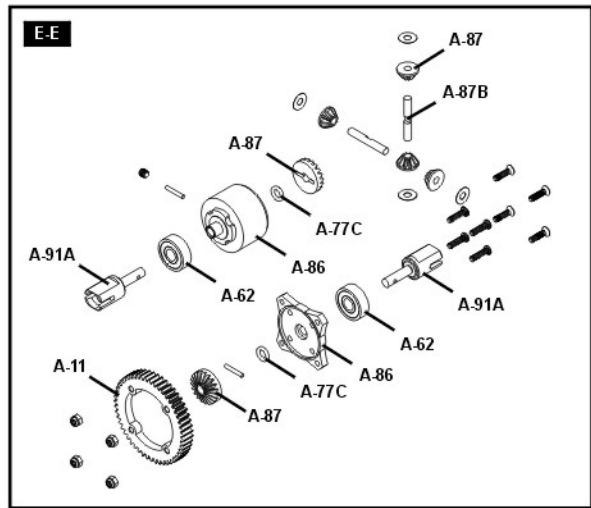
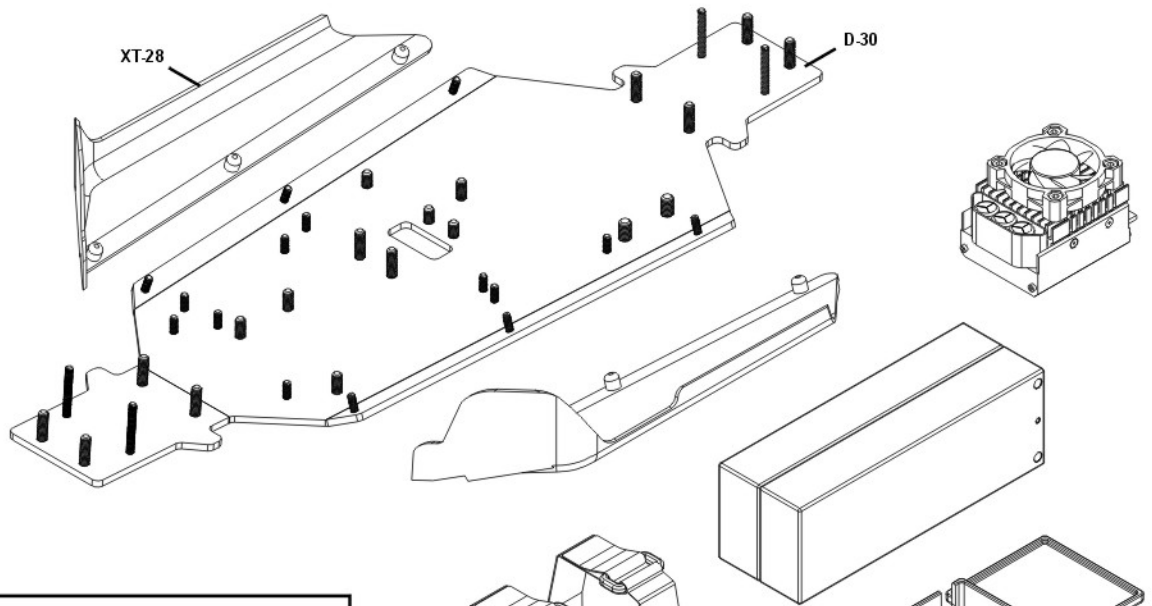
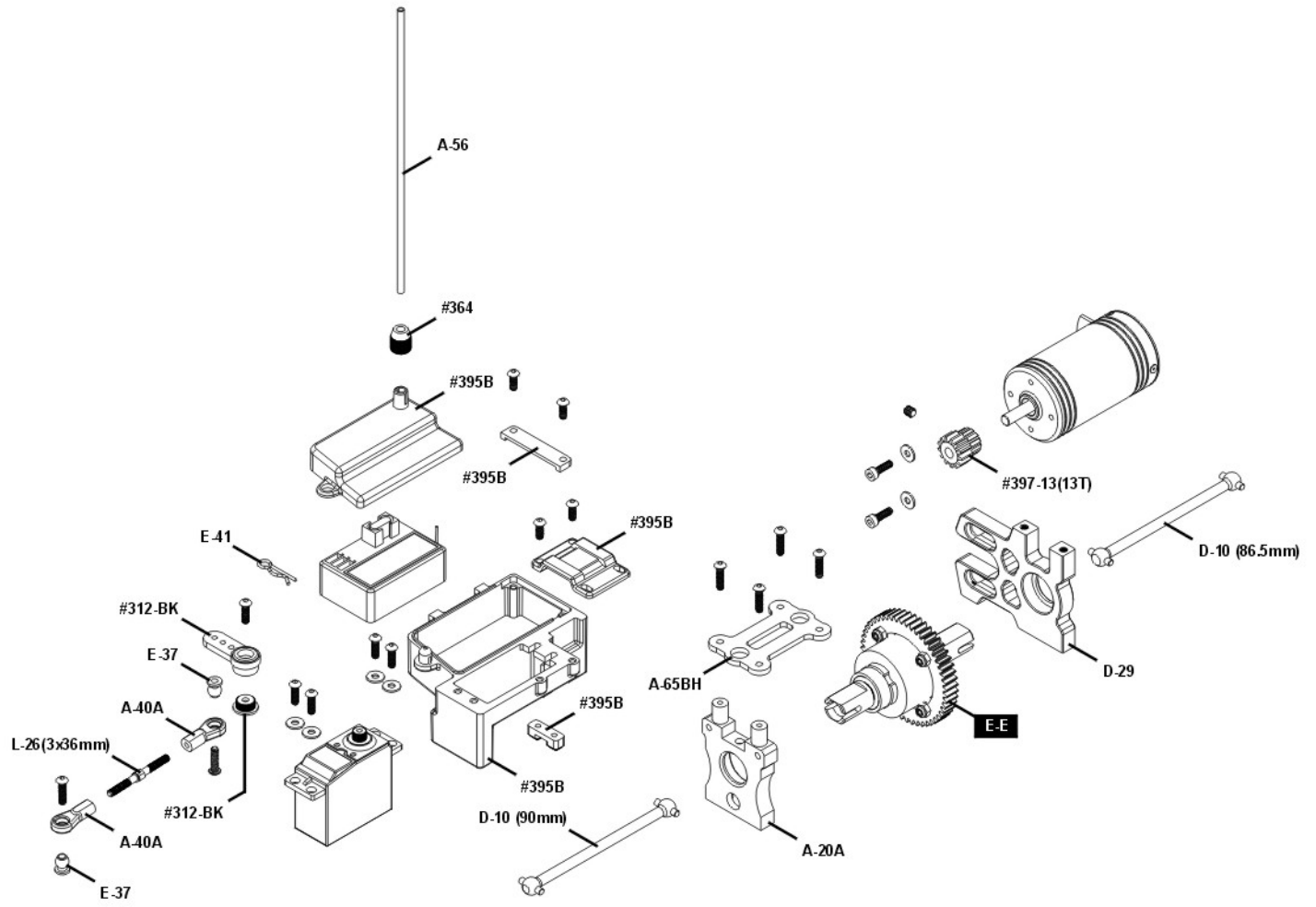
56 MOUNTING THE BODY SHELL

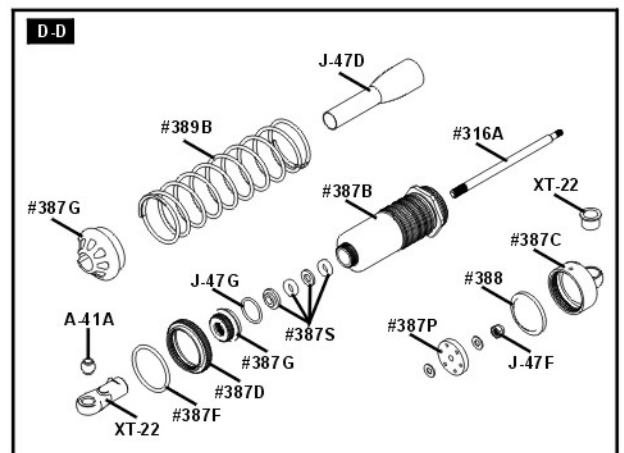
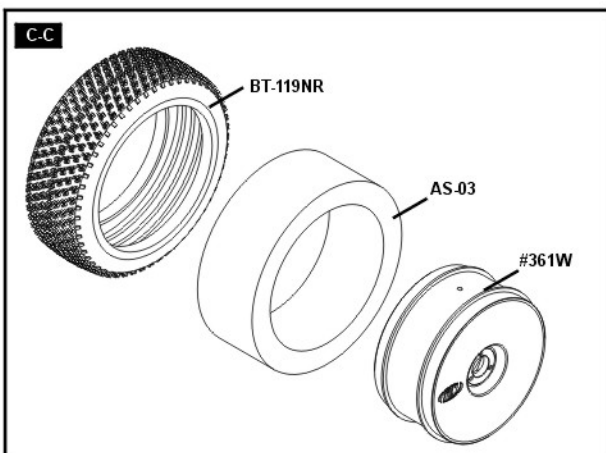
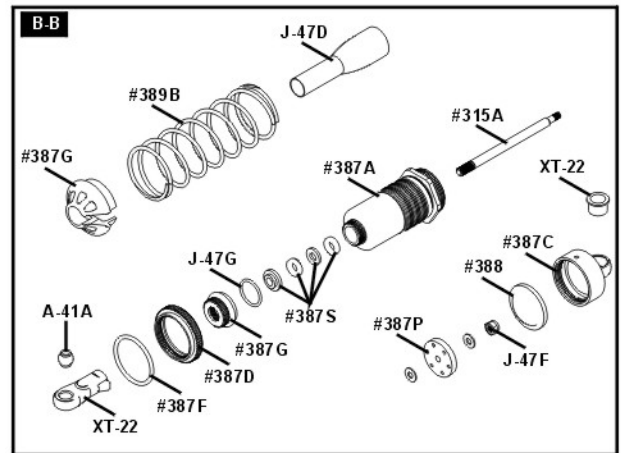
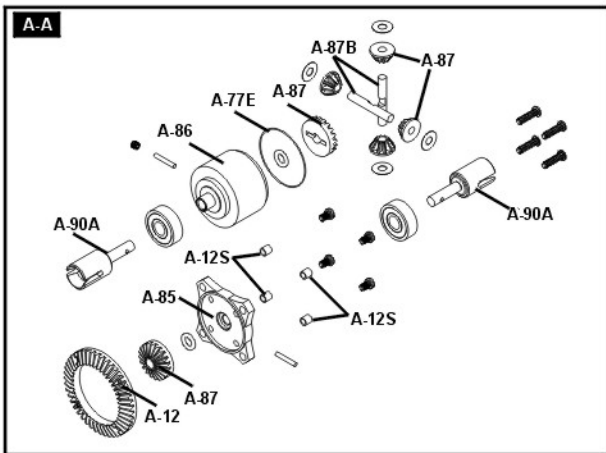
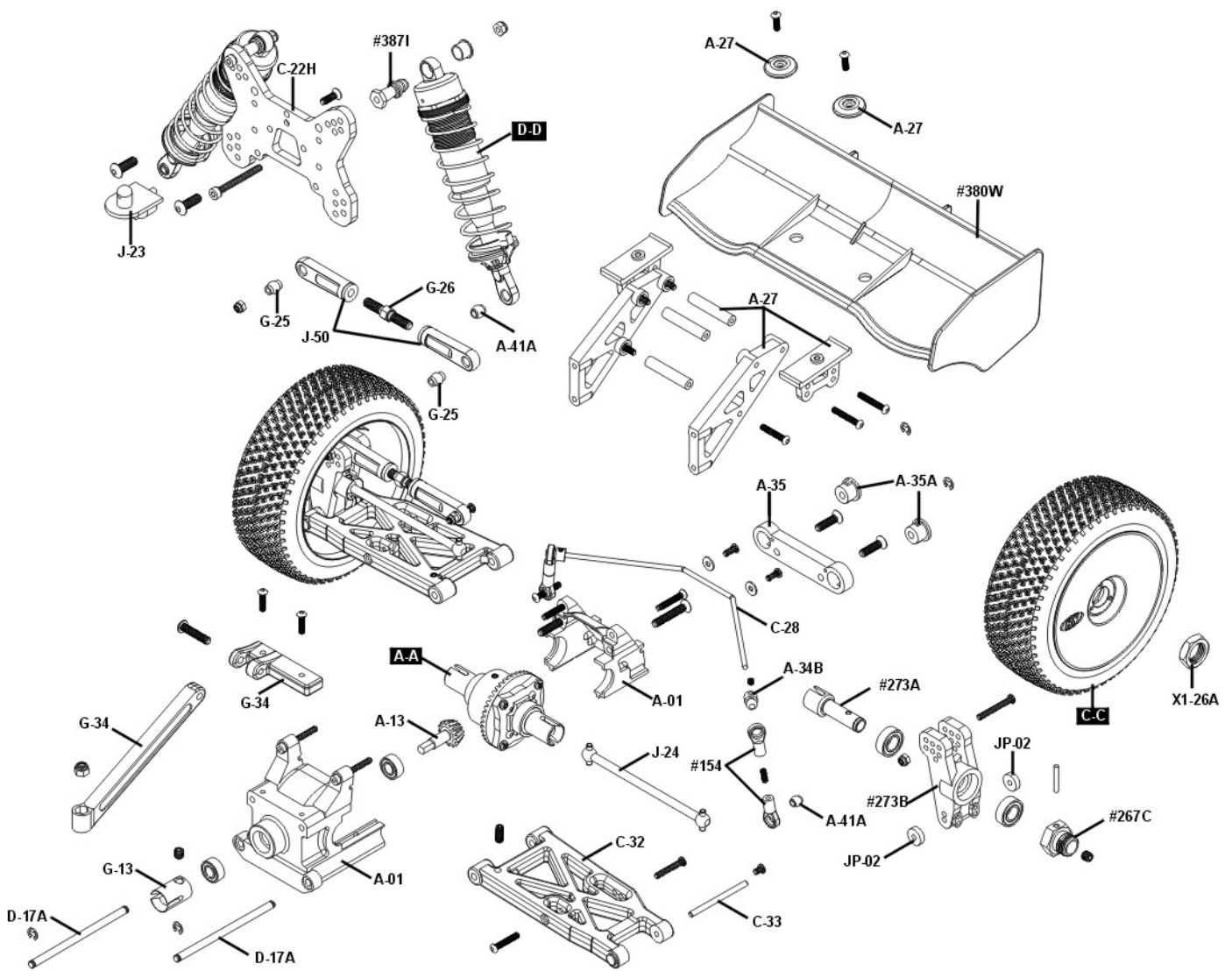
安裝車殼



ULTRA LX2 ELECTRIC POWERED EXPLODED VIEW

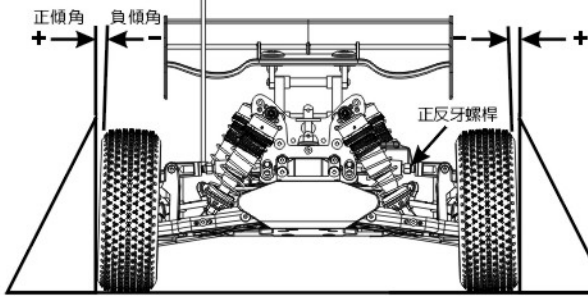




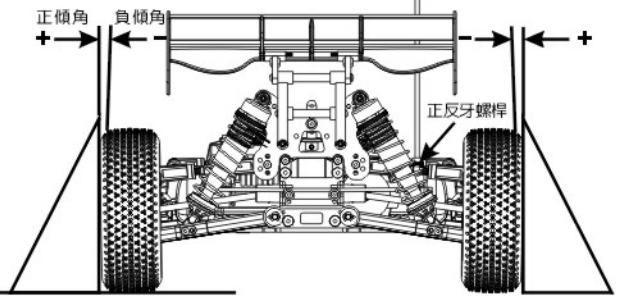


輪胎角度設定

前胎輪傾角調整



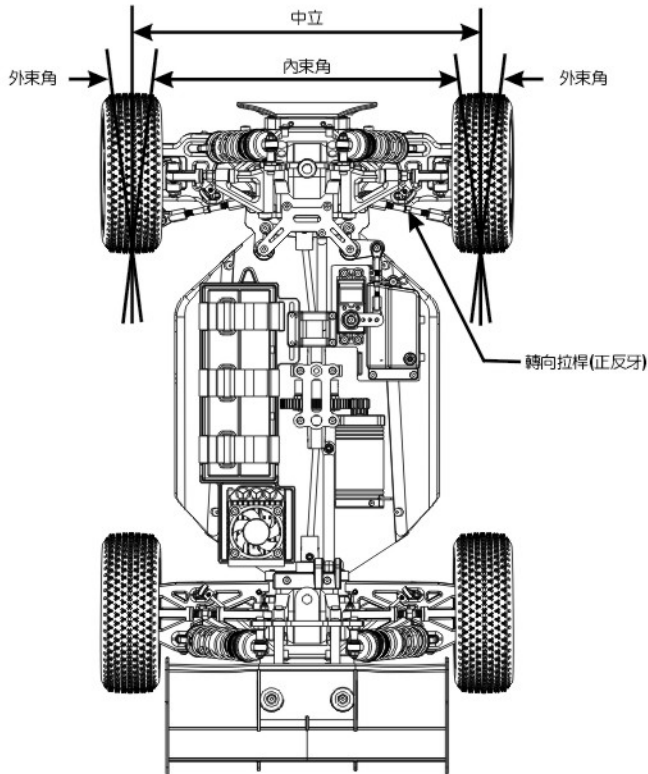
後胎輪傾角調整



- 將車體放置在平整桌面上並保持在正確離地高度。調整上擺臂長度使輪胎與地面垂直(0度)。
- 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。

(我們建議前輪為0度，後輪為負1.5度。)

前輪內束角/外束角調整

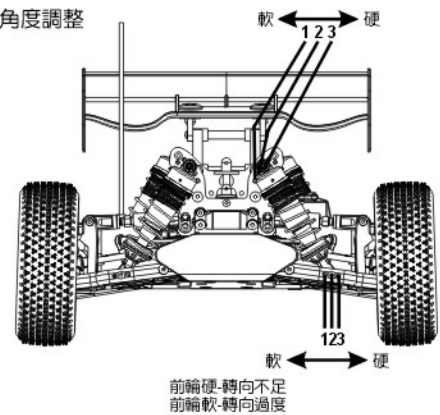


改變前輪轉向拉桿之長度可以改變前輪“內束角”與“外束角”。

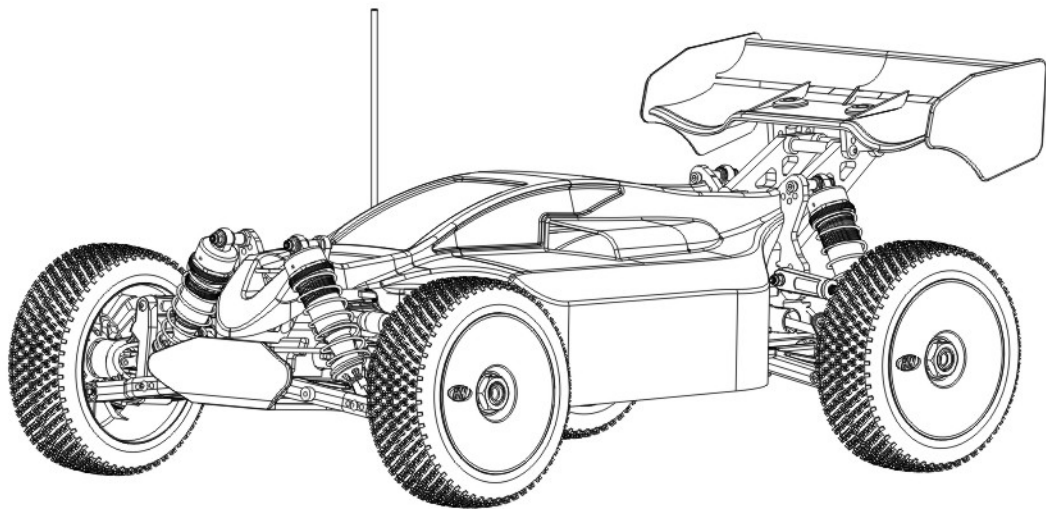
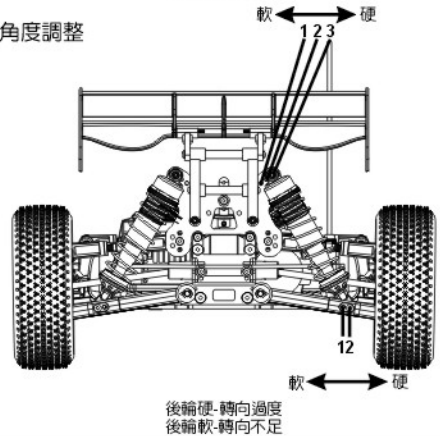
1. 將前輪轉向拉桿加長，前輪會變成向內束角。此時轉向反應會變慢，並且有轉向過度情形產生。
2. 將前輪轉向拉桿變短，前輪會變成向外束角。此時轉向反應會變快，並且有轉向不足情形產生。

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

前油壓避震器角度調整

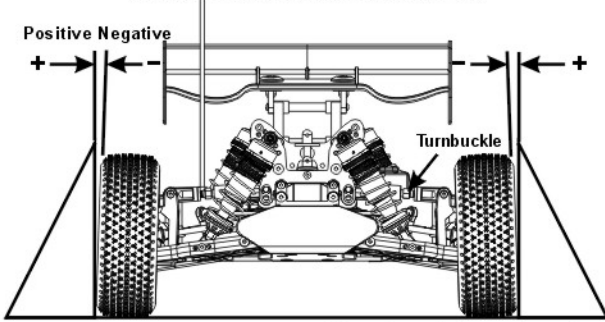


後油壓避震器角度調整

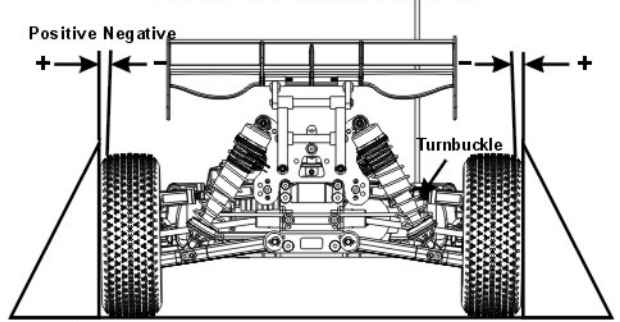


SETTING GUIDE

FRONT CAMBER ANGLE SETTING

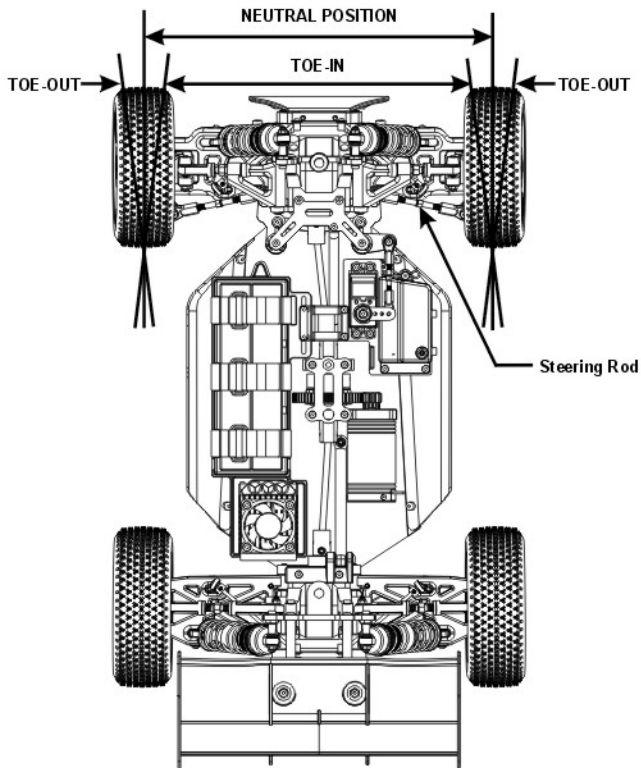


REAR CAMBER ANGLE SETTING



- 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 vertical to the ground.
- Adjust the camber angle by turning the turnbuckle rod on the upper arms clockwise or anti-clockwise. (We suggest to use zero degree for the front and 1.5 degree negative for the rear.)

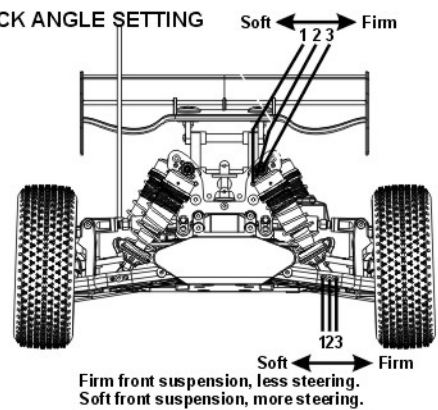
FRONT TOE-IN AND TOE-OUT SETTING



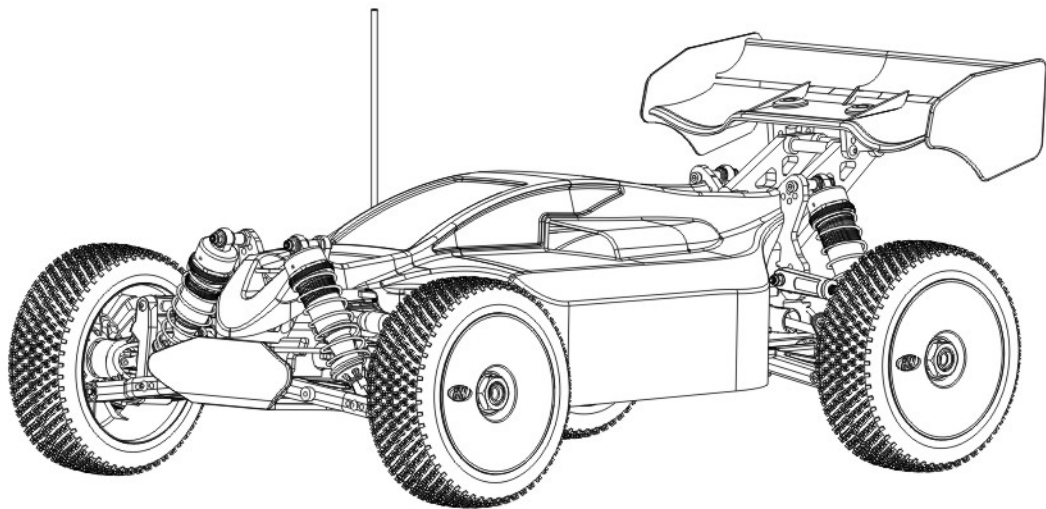
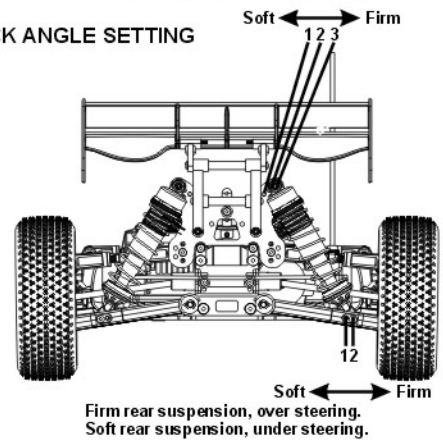
- Adjust the length of front steering rod to change the toe angle.
- Making the tie rod longer will make front tires toed in.
- Response will be slower and may over steer.
- Making the tie rod shorter will make front tires toed out.
- Response will be quicker and may under steer.

- Different shock positions will result in firmer or softer response of the suspension system.
- Install the shock in an inward angle will cause softer rebound. Softer or firmer suspension system will lead to different steering response.
- Adjust the shock angle positions according to track conditions.

FRONT SHOCK ANGLE SETTING



REAR SHOCK ANGLE SETTING



ULTRA LX 2 電車零件表

編號	品名	數量	編號	品名	數量
A-01	差速箱	1	G-15H	緩衝組連結板(硬陽)	1
A-11	大直齒(塑膠)	1	G-16H	三角補強板(硬陽)	1
A-10B	車殼柱(前)	2	G-19	4x46mm 正反牙	4
A-12	大傘齒(粉末)	1	G-25	7mm 球形	6
A-12S	3x4x4mm 鋼套	5	G-26	5x35mm 正反牙	2
A-13	小傘齒(鋼製)	1	G-29	前下擺臂	1 set
A-16	前擺固定座	2	G-34	前後中央補強桿模	1set
A-20A	中差座	2	G-38	LX2電車專用PC車殼(透明)	1
A-24	防撞板	1	J-23A	車殼柱(後)	1
A-34B	平衡桿球型	2	J-24	93mm傳動軸	2
A-35A	後擺臂固定座	1	J-34	7mm 圓球(黑)	4
A-36A	緩衝組彈簧	1	J-35	3mm鋁錐型墊片	4
A-36B	緩衝組銅管	2	J-47D	透明黑防塵套	4
A-38	緩衝組支柱	2	J-47F	M2.5尼龍帽	4
A-40A	轉向塑膠球頭	6	J-47G	10x1mm O環	4
A-41A	6mm球型	6	J-50	後上臂球頭	4
A-62	7X19X6培林	6	J-56	連結式傳動軸	2
A-63	6X13X5培林	12	L-26	3x36mm正反牙拉桿	2
A-65BH	中差固定鋁片(硬陽)	1	X1-20	轉向座L.R (鋁)	1 set
A-77C	P5 O-環(橘色)	2	X1-26A	17mm六角螺帽(硬陽)	2
A-77D	2x12.8 滾針	2	X1-27	轉向襯套	4
A-77E	0.5x26 O-環	1	X1-28	大王銷螺絲	4
A-77G	4x10x0.15mm 墊片	4	X1-36	C型座 L.R	1模
A-85	差速器殼(前/後),菊花牙	1	XT-22	避震器塑膠件	1模
A-86	差速器殼(中),菊花牙	1	XT-28	X2 CRT 防塵板 R.L	1模
A-87	菊花牙差速齒Lx2, Sx4	1 set	#154	平衡桿塑膠球頭	4
A-87B	4mm十字軸心	2	#155B	車殼插梢	4
A-90A	一體式差速接杯	2	#267CH	六角輪座(8mm)硬陽	2
A-91A	一體式剎車接杯	2	#267D	8x16培林	8
AS-03	輪胎內海綿	2	#267E	2.5x16.8mm滾針	4
BT-119NR	1/8 輪胎 (三角釘) NR	4	#273A	長軸接杯(8mm)	2
C-15A	中央補強柱	1	#273B	後輪固定座(8mm)	2
C-22H	後油壓架 4mm(硬陽)	1	#312-BK	伺服器片(黑色)	1 set
C-28	平衡桿鐵線 3mm	2	#315A	2001避震軸心, 前	2
C-32B	後下擺臂模	2	#316A	2001避震軸心, 後	2
C-33	3x42.6mm後下擺臂軸	2	#361W	1/8 平面框(白色)	4
D-02	前上擺臂	2	#364	天線管固定螺帽	1
D-10	中央傳動軸(86.5mm+90mm)	1	#380W	1/8 高下壓力定風翼(白)	1
D-17	3mm擺臂軸	4	#387A	16mm外牙筒身(短)	2
D-17A	4mm擺臂軸	2	#387B	16mm外牙筒身(長)	2
D-20H	前油壓架 4mm(硬陽)	1	#387C	16mm避震器上蓋(硬陽)	4
D-22	定風翼架組	1	#387D	16mm避震器調整環(硬陽)	4
D-27H	前上固定板(硬陽)	1	#387F	19x1.5mm O環	4
D-28	緩衝組塑膠	1 set	#387G	彈簧止座塑膠模	1set
D-29	CNC 鋁馬達座	1	#387H	3x28mm有頭內六角	4
D-30	6061 底盤	1	#387I	避震器上支座(加長型)	4
E-37	6mm球型座	6	#387P	16mm避震器活塞	8
E-41	1/10 R型插梢	10	#387S	16mm避震器修理包	1set
G-04	前上擺臂軸 4x44.5mm	2	#388	16mm避震器氣室 桔色	4
G-09	7mm擺臂外端塑膠球頭	6	#389B	16mm避震器彈簧(白色)軟	4
G-10	7mm轉向拉桿塑膠球頭	8	#395A	電池盒塑膠模	1
G-13	小傘接杯	2	#395B	接收機盒/中差板塑膠模	1
G-14B	緩衝組襯套	2	#396	電池固定帶(魔鬼粘)	3
G-14C	6mm E扣	4	#397-14	14t馬達齒 5mm軸, M1	1

ULTRA LX 2 Electric Part List

Item No.	Description	Q'Ty	Item No.	Description	Q'Ty
A-01	Front Gear Case	1	G-15H	Servo Saver Connector (Hard-coate)	1
A-11	Spur Gear	1	G-16H	Front Plate Joint (hard-coated)	1
A-10B	Body Mount (front)	2	G-19	4x46 Turnbuckle	4
A-12	Bevel Gear (L)	1	G-25	7mm Ball	6
A-12S	Plastic Bushing	5	G-26	5x40 turnbuckle	2
A-13	Bevel Gear (S)	1	G-29	Front Lower Arms	2
A-16	Arm Holder	2	G-34	Plastic Center Bracer	1set
A-20A	Diff. Housing	2	G-38	LX2-E Body (clear)	1
A-24	Front Bumper	1	J-23A	Wing Mount (rear)	1
A-34B	Stabilizer Ball End	2	J-24	93mm Rear Drive Shaft	2
A-35A	Rear Lower Arm Holder	1	J-34	7mm Balls (Black)	4
A-36A	Servo Saver Spring	1	J-35	Alum. 3mm Tapered Washers	4
A-36B	Servo Saver Sahft	2	J-47D	Shock Shaft Dust Covers	4
A-38	Servo Saver Supporter	2	J-47F	M2.5 Net	4
A-40A	6mm Ball End (plastic)	6	J-47G	10x1mm O-Ring	4
A-41A	6mm BALL	6	J-50	Rear Upper Ball End	4
A-62	Bearing 7X19X6	6	J-56	Front Universal Joint	2
A-63	Bearing 6X13X5	12	L-26	3x36mm Turnbuckle	2
A-65BH	Center Plate (Hard-coated)	1	X1-20	Knuckle Arm, L & R	1set
A-77C	P-5 O-ring	2	X1-26A	Alum. 17mm Wheel Nut	2
A-77D	2x12.8 pin	2	X1-27	Knuckle Arm Bushing	4
A-77E	0.5x26 O-ring	2	X1-28	King Pin Screw	4
A-77G	4x10x0.2 Washer	4	X1-36	Front C Hub	1set
A-85	New Diff. Case (front/rear)	1 pc	XT-22	Plastic Shock Parts Set	1
A-86	New Diff. Case (center)	1 pc	XT-28	X2 Stone Gurad R&L	1
A-87	Diff Bevel Gear (S+L)	1 set	#154	Plastic Ball End	4
A-87B	4mm Cross Pin	2	#155B	Body Clips	1set
A-90A	Cap Joint For Diff	2	#267CH	Wheel Hub 8mm (Hard-coated)	2
A-91A	Brake Cap Joint	2	#267D	8x16 Bearing	8
AS-03	Inner Sponge for Tire	1	#267E	2.5x16.8 Pins	4
BT-119NR	1/8 Buggy Tire, W/ Foam Insert	4	#273A	Rear Wheel Axle Shaft	2
C-15A	Front Chassis Bracer	1	#273B	Rear Upper Right	2
C-22H	Rear Shock Stay (4mm)(hard-coate)	1	#312-BK	Universal Servo Horn (black)	1 set
C-28	Stabilizer 3mm	2	#315A	Shock Shafts (front)	2
C-32B	Rear Lower Arms	2	#316A	Shock Shafts (Rear)	2
C-33	3x42.6mm Rear Lower Arm Shaft	2	#361W	1/8 Diss Wheels, Yellow	4
D-02	Front Upper Arms	1	#364	Antenna Pipe Fixing Nut	1
D-10	Center Shaft	2	#380W	1/8 High Force Wing, White	1
D-17	Arm Shafts 3mm	4	#387A	16mm Front Shock Body	pair
D-17A	Arm Shaft 4mm	2	#387B	16mm Rear Shock Body	pair
D-20H	Front Shock Stay(hard-coated)	1	#387C	16mm Shock Cap	4
D-22	Wing Stay	1	#387D	16mm Shock Spring Adjuster	4
D-27H	Front Upper Arm Holder H.C	1	#387F	19 x 1.5mm O-Ring	4
D-28	Servo Saver Plastic Set	1 set	#387G	Plastic Shock Spring Holder	1set
D-29	CNC Motor Mount	1	#387H	3 x 28mm Cap Screws	4
D-30	6061 Chassis	1	#387I	Shock Ball End Post (long)	4
E-37	6mm Ball & Socket	6	#387P	16mm Shock Piston	8
E-41	Body Pin (S)	10	#387S	Repair Kit for #387	1set
G-04	Arm Shaft (4x44.5mm)	2	#388	16mm Pressure Top (Orange)	4
G-09	Plastic Arm Ball End 7mm	6	#389B	16mm Shock Spring , White	1set/4pcs
G-10	Steering Ball End 7mm	8	#395A	Battery Case	1
G-13	Cap Joint	2	#395B	Receiver Box/Center Plate	1
G-14B	Servo Saver Bushing	2	#396	Battery Straps, Black	3
G-14C	6mm E-Clips	4	#397-14	14T Pinion Gear 5mm, M1	1

ULTRA LX²e

HONG NOR

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