

1/8TH SCALE NITRO OFF-ROAD BUGGY

ULTA X²

INSTRUCTION MANUAL

FEATURES

- .23 NITRO ENGINE.
- FRONT C-HUB SUSPENSION.
- 2.4 GHz RADIO SYSTEM.
- 16mm ALUMINUM SHOCKS.
- FRONT UNIVERSALS.
- NEW DESIGN STONE TOWERS.
- HIGH PERFORMANCE TRIAD RACING TIRES.
- ULTRA LITE DISH WHEELS.
- NEW FUEL TANK WITH INTEGRATED HOLDING CLIPS AND SPLASH GUARD.
- ALL NEW CAB FORWARD BODY DESIGN.
- HI-DOWN FORCE WING.
- FRONT AND REAR CHASSIS BRACES.
- FRONT & REAR SWAY BARS.
- DUAL FIBER DISC BRACKES.
- NEW EASY ACCESS BATTERY BOX.
- 3 SHOE COMPETITION RACING CLUTCH.
- HIGH FLOW AIR FILTER.
- ALUMINUM MOTOR MOUNT.
- HARD COATED ALUMINUM CHASSIS.
- SEALED BEARINGS.
- ALL NEW CAB FORWARD BODY DESIGN.
- SEALED RADIO BOX.

2.4 GHz RTR RADIO SYSTEM READY TO RUN

ADDITIONAL PARTS NEEDED

- RC Glow Fuel (20%-30%)
- Glow Igniter
- Batteries(AA) x 12pcs.
- 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

- 遙控車燃油(20%-30%)
- 可充電型點火夾
- 乾電池(AA) x 12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。

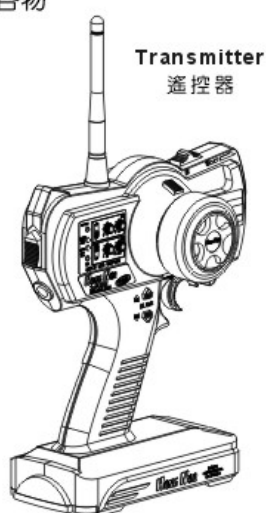
本產品非玩具

- 16歲以下或沒有成人督導之兒童請勿使用。

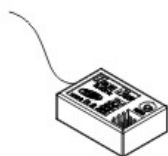
HONGNOR
QUALITY R/C MODEL PRODUCTS

Components

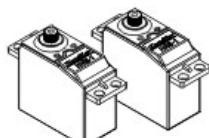
內容物



Transmitter
遙控器

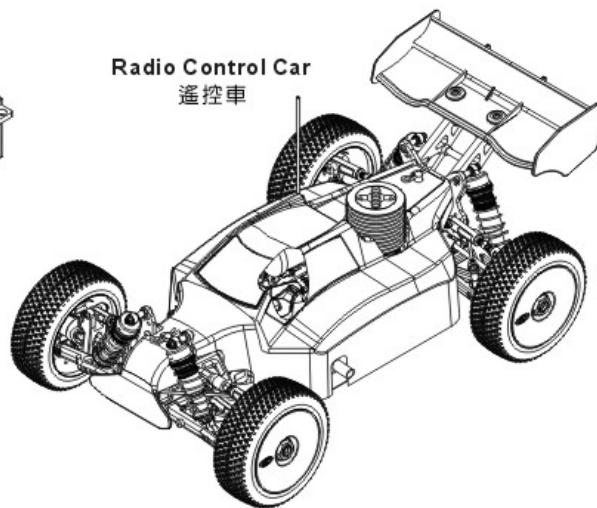


Receiver
接收器



Servo
伺服機

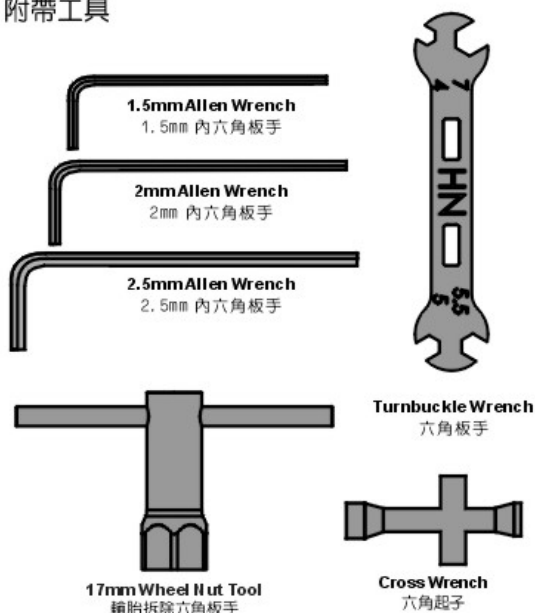
Parts Bag
零件包



Radio Control Car
遙控車

Included Items

附帶工具



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

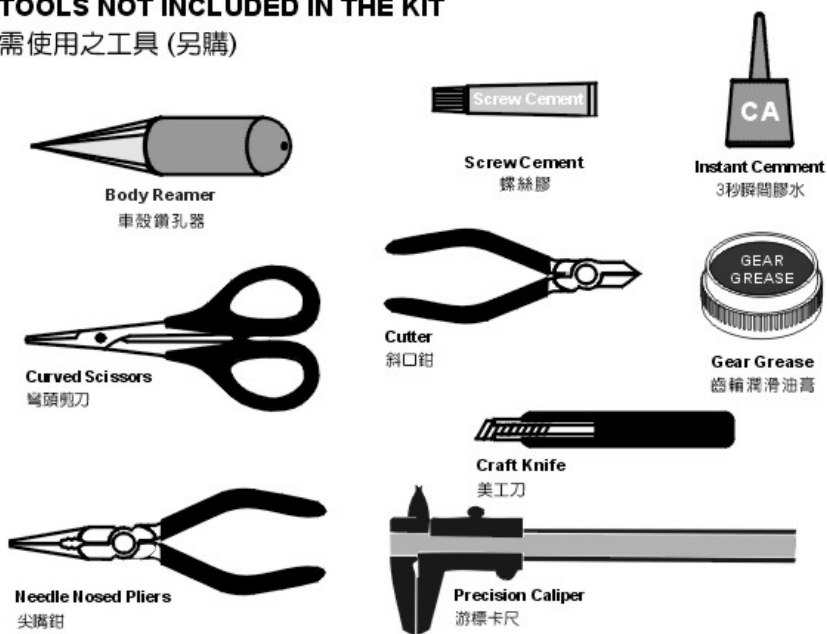
Turnbuckle Wrench
六角板手

17mm Wheel Nut Tool
輪胎拆除六角板手

Cross Wrench
六角起子

TOOLS NOT INCLUDED IN THE KIT

需使用之工具 (另購)



Body Reamer
車殼鑽孔器

Curved Scissors
彎頭剪刀

Needle Nosed Pliers
尖嘴鉗

Screw Cement

Screw Cement
螺絲膠

Instant Cement
3秒瞬間膠水

Cutter
斜口鉗

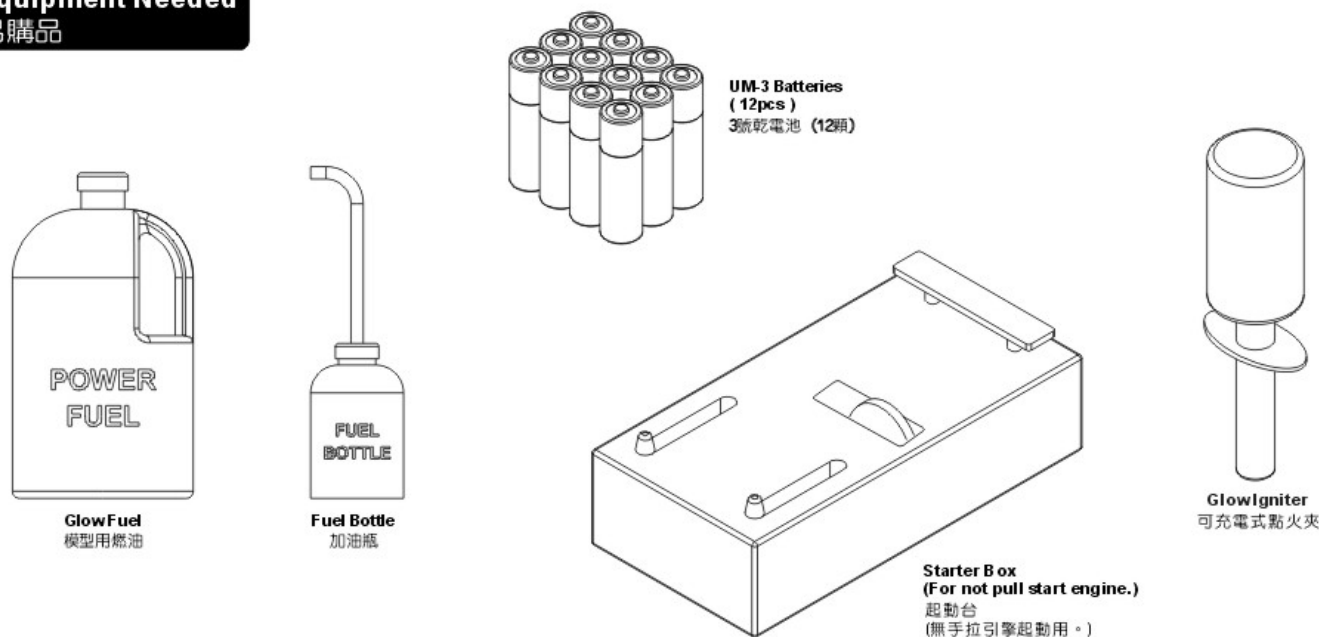
Gear Grease
齒輪潤滑油膏

Craft Knife
美工刀

Precision Caliper
游標卡尺

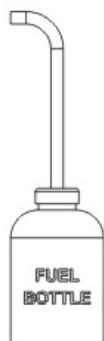
Equipment Needed

另購品



POWER FUEL
FUEL

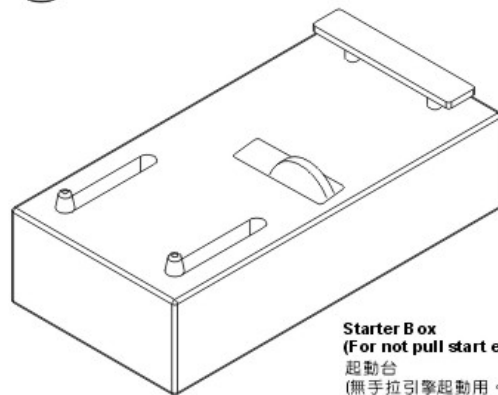
Glow Fuel
模型用燃油



FUEL BOTTLE
加油瓶



UM-3 Batteries
(12pcs)
3號乾電池 (12顆)



Starter Box
(For not pull start engine.)
起動台
(無手拉引擎起動用。)



Glow Igniter
可充電式點火夾



IMPORTANT-READ THIS BEFORE RUNNING

重要！操作前請先閱讀

1. Before Starting

啟動前

- ◎ **Please read manual carefully! (With a parent, guardian or a responsible adult if necessary).**
請仔細閱讀說明書，(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 vehicle near any water or wet areas.**
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 vehicle 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。
- ◎ **Always use fresh batteries for your transmitter and receiver before running the car. If the radio does not have full control of the car with steering, throttle and brake. Do not run it until corrected. Failure to correct this will result in possible injury and damage to the car or property.**
We strongly recommend using a failsafe.
操作前請先換上全新的電池，如果電量不足時，將不能完全控制車子的油門及剎車或行進方向。此刻請立即停駛，並換上全新電池。如果不立即改善，可能將導致失控而使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 steering and throttle is at neutral position.**
請確認油門位於中立點位置。

4. Check Your Vehicle 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，如此以避免遙控車失控產生爆衝。
- ◎ **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. Cautions for Safety

安全注意事項

- ◎ **If your model does not operate correctly, stop it and find the cause.**
如果遙控車有不正確表現，請停止操作，並立即檢查原因。
- ◎ **Keep hands and tools away from parts in action.**
勿用手碰觸運轉中的零件。

WARNING: After each run, the model is hot, beware of getting burned.



警告 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。

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 65KPH, 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 be 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.
- Due 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 safely.
- Do not operate the car indoors. Engine exhaust fumes are dangerous.

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 the 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 for the first time.
- 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 it first starts.
- Turn on the radio and check the linkage before starting engine.
- Turn on car receiver battery switch.
- Always have an air filter on the carburetor to keep dirt out.

4. Engine Break-in

- See section.

5. Emergency Engine Stopping

- 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 the car
- Put a few drops of after run in the 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. 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 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 the 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!

HNT-3 2.4GHz RADIO SYSTEM OVERVIEW

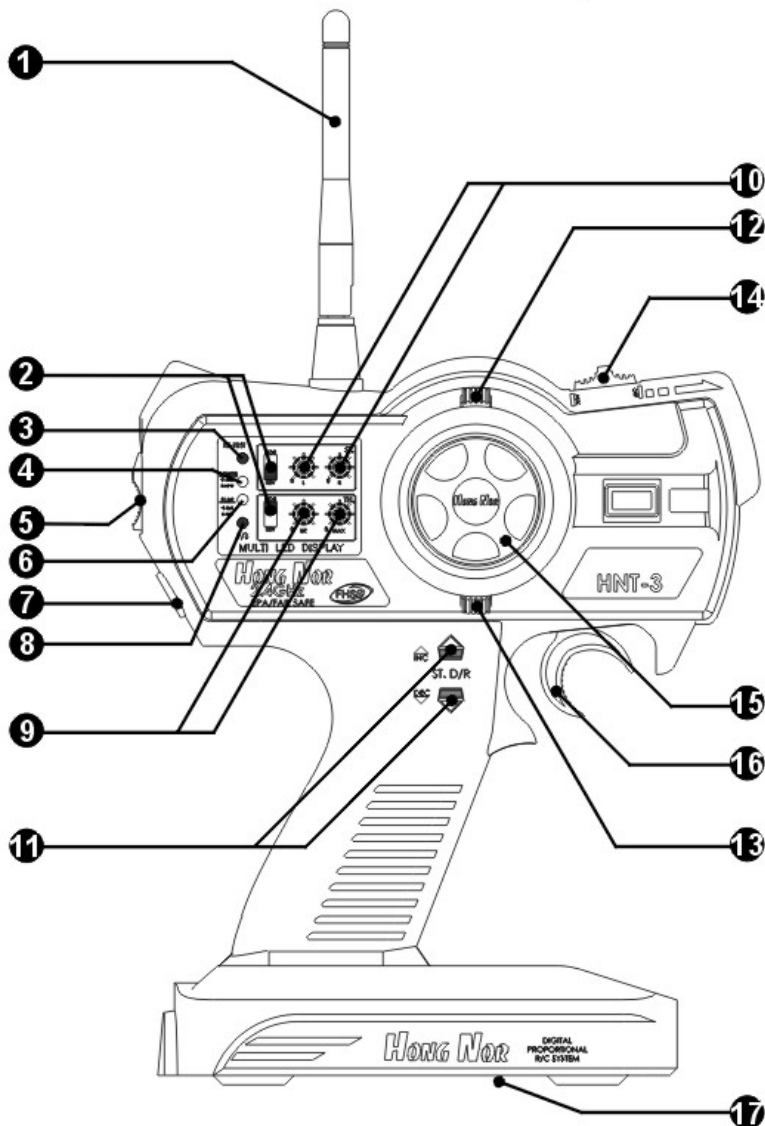
HNT-3 2.4GHz 遙控器概要

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:

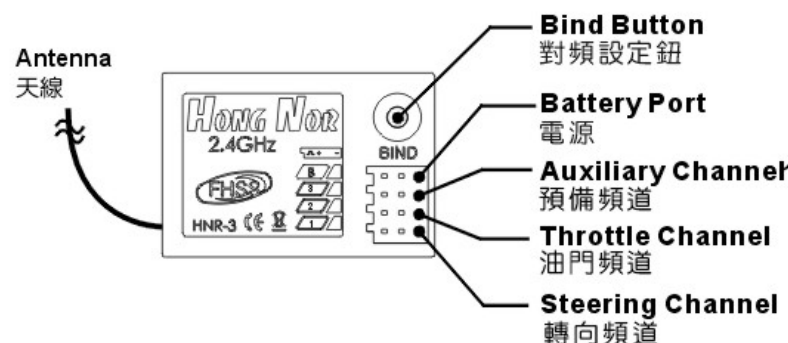
Channels:3Ch
Frequency:2.4GHz
DC:9.6V/ 8 cell AA
Battery
Meas.:310*170*75mm
Net weight:530g

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



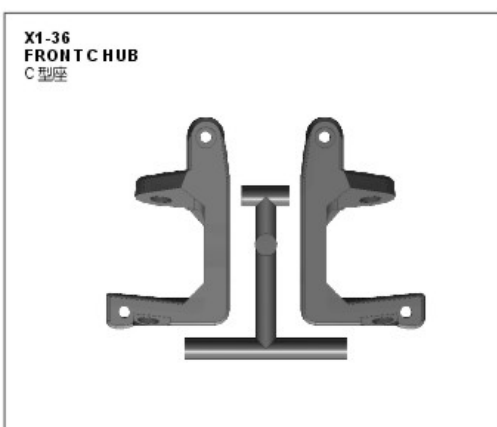
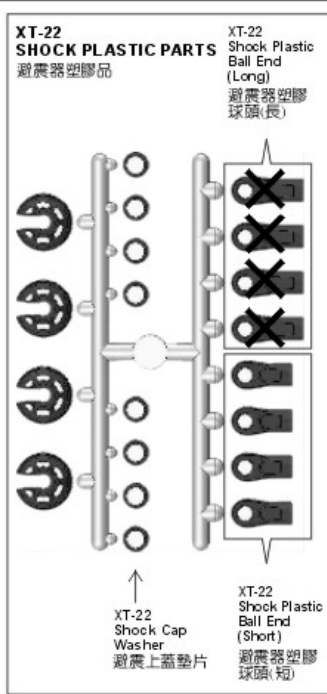
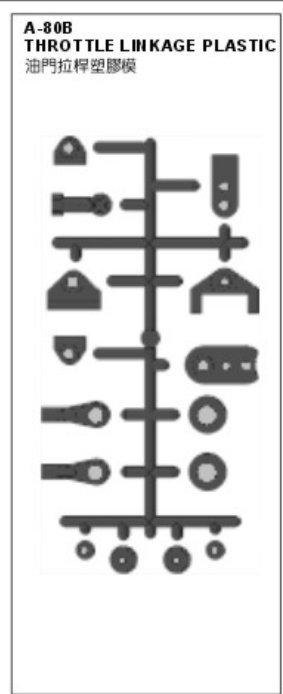
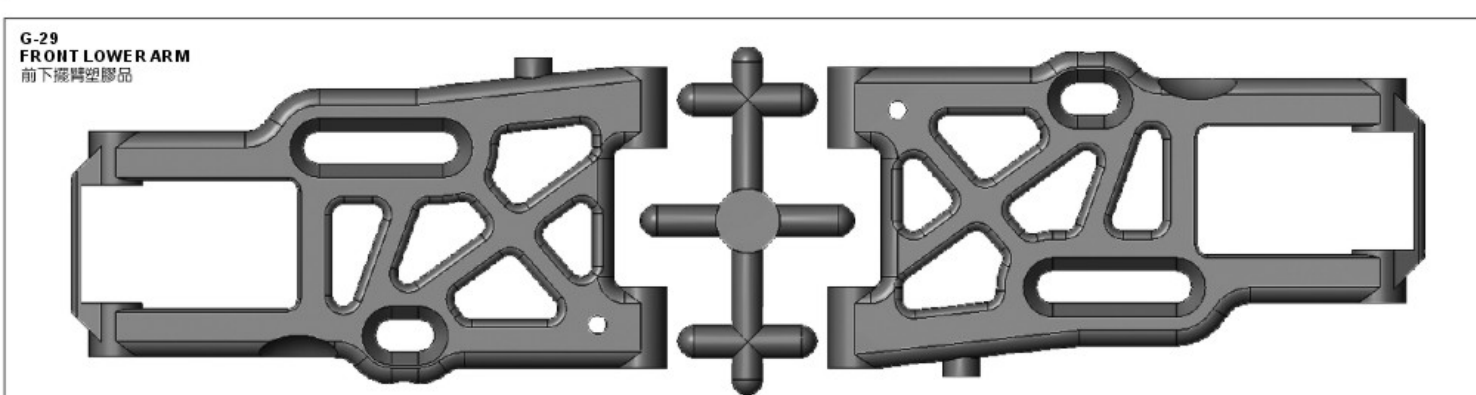
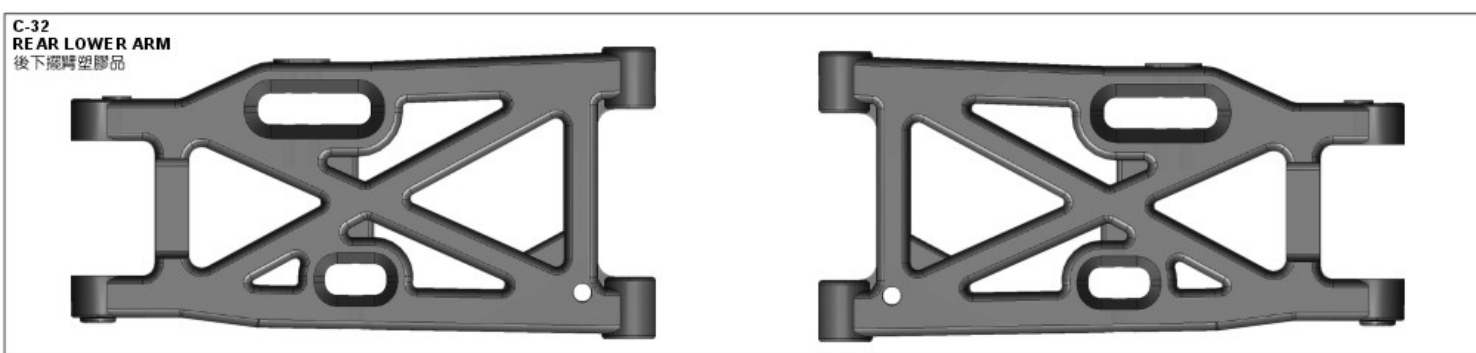
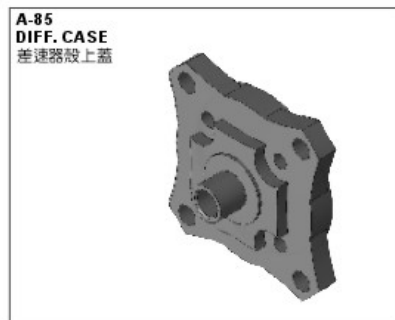
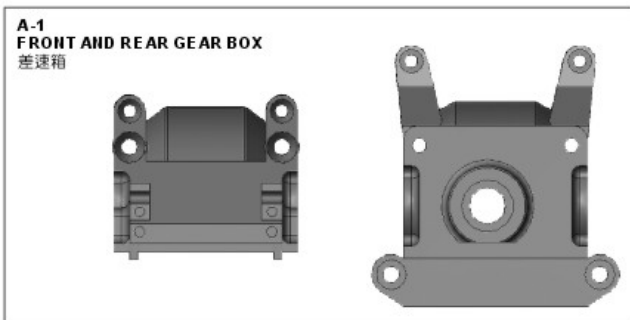
*** Auxiliary Channel are not used for this model.**
***本套件未使用預備頻道插槽。**

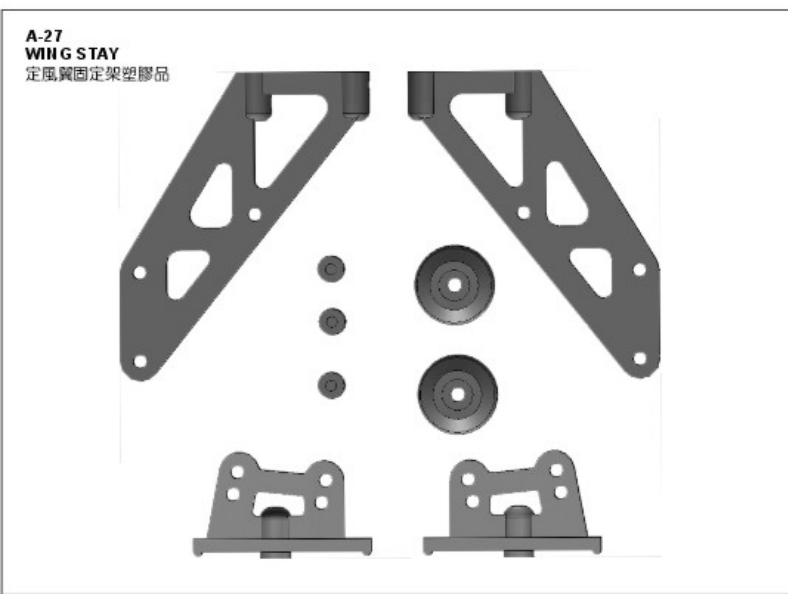
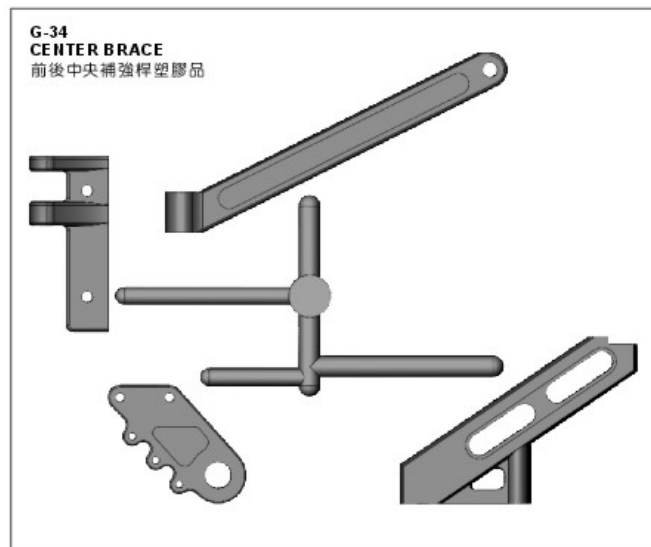
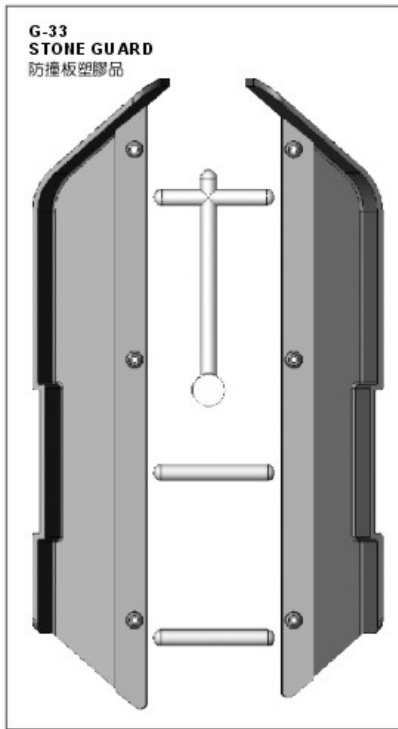
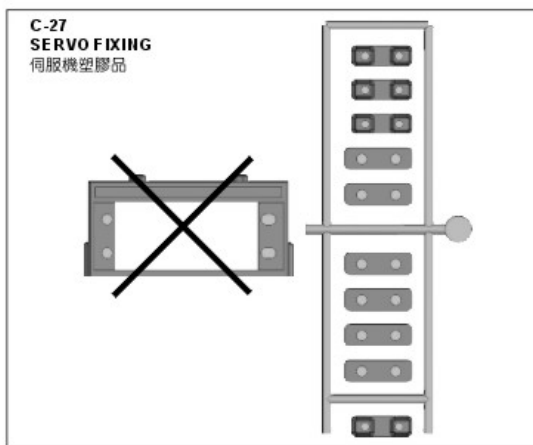
Specification:

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













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

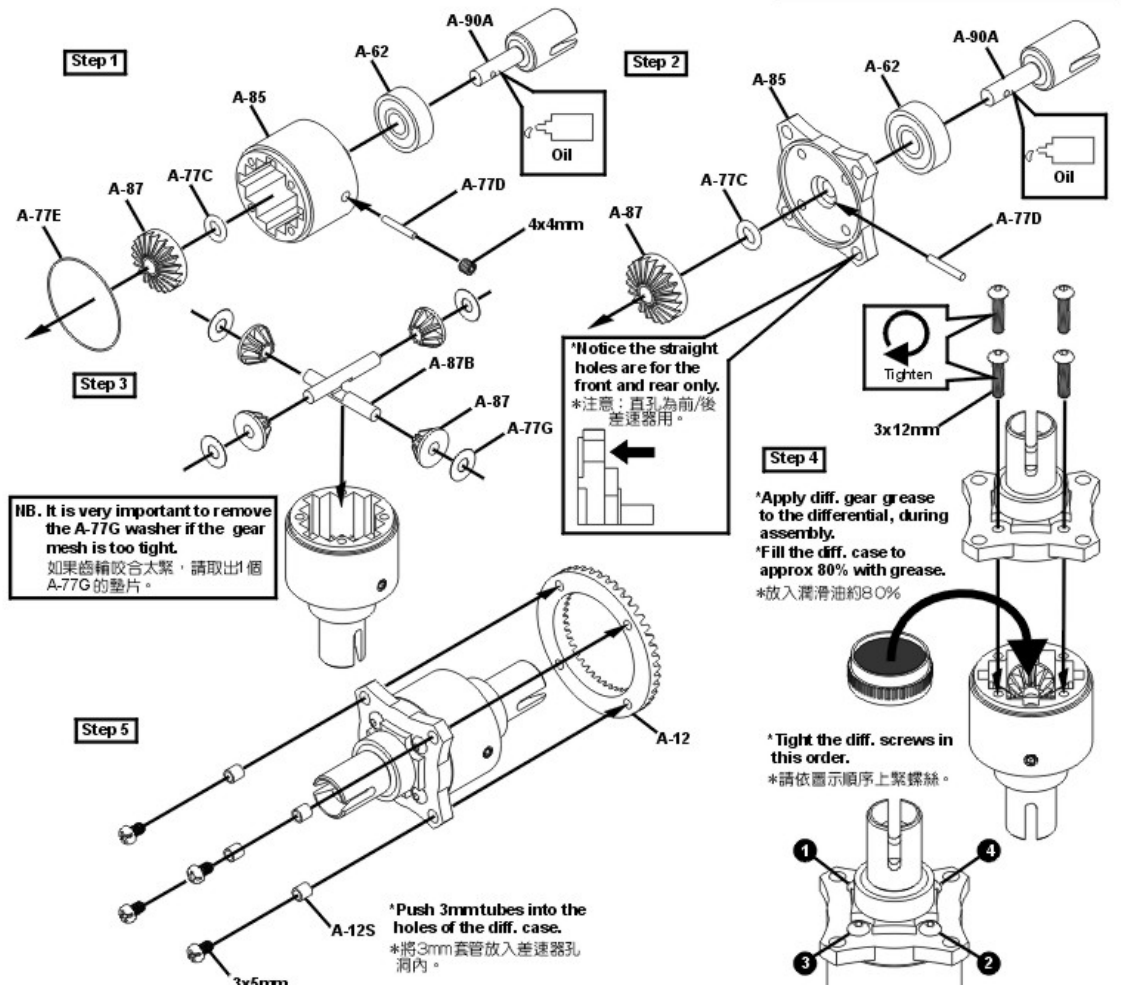
- | | | | | | |
|------------------------------------|--|--------------------------------------|------------------------|--|---|
| Parts Bag Used
使用零件包裝袋 | Degrease With Motor Spray
使用清潔噴劑 | Do Not Over Tighten
請勿鎖緊物件 | Tighten
鎖緊物件 | Ensure Free Movement
確保可自由活動 | Contact Adhesive
使用強力打接著劑 |
| Apply Screw Cement
使用螺絲膠 | Apply Oil
塗上潤滑油 | Apply Lubricant
塗上潤滑黃油 | 1:1 | True-To-Scale
1:1 原寸圖 | Clockwise Rotation
順時針方向旋轉 |
| | | | | Rotate Direction | Anti-clockwise Rotation
反時針方向旋轉 |

1 ASSEMBLY OF THE FRONT AND REAR DIFF.

組合前後差速器









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

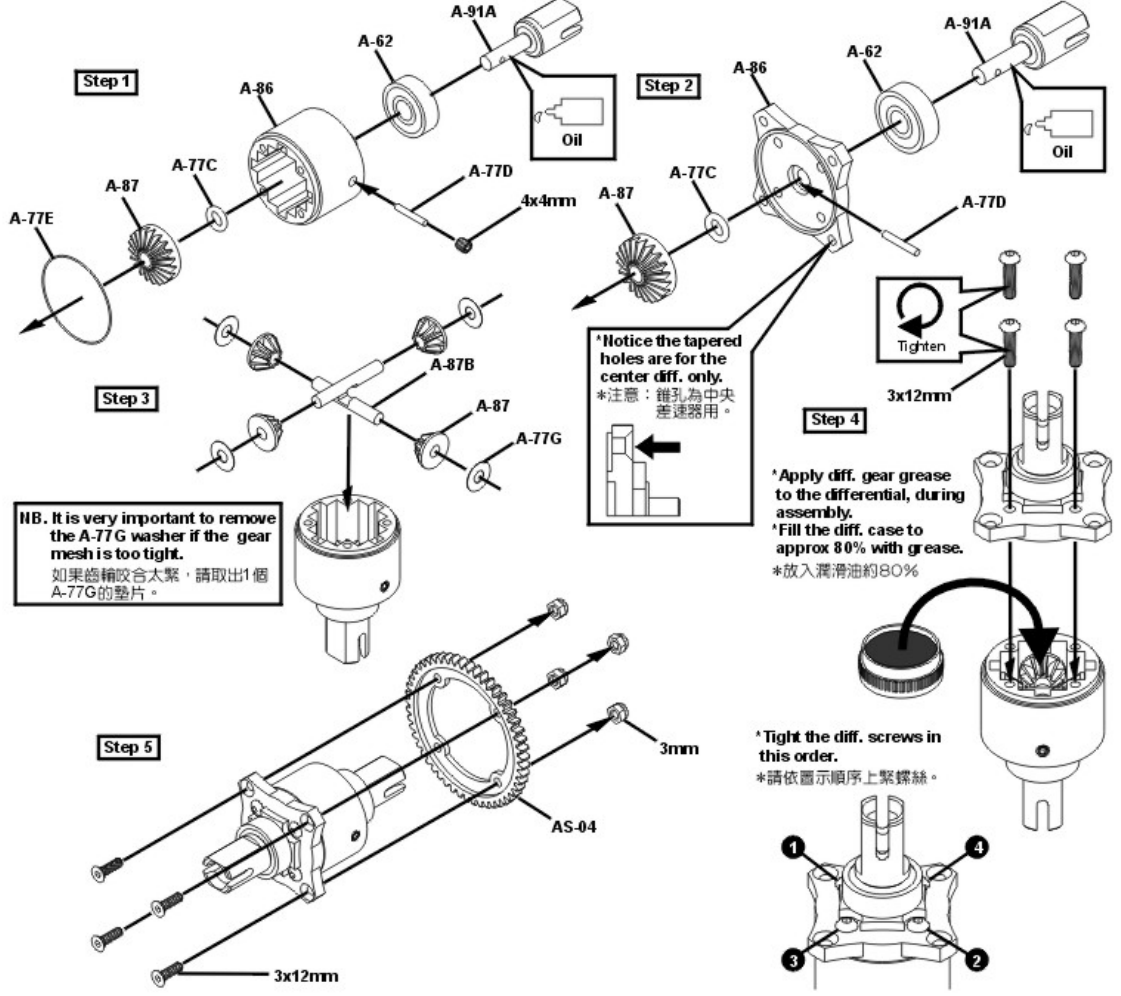
-  M4x4 Set Screw 止付螺絲x2
-  3x5mm Screw 丸十字螺絲x8
-  3x12mm Hex Screw 半丸內六角螺絲x8
-  A-77C P5 O-Ring O 環x4
-  A-77G 4x10mm Washer 墊片x8
-  A-77D 2x12.8mm Pin 滾針x4
-  A-87B 4mm Cross Pin 十字軸x4
-  A-62 7x19x6mm Ball Bearing...x4 7x19x6培林



2 ASSEMBLY OF THE CENTER DIFF.



組合中央差速器

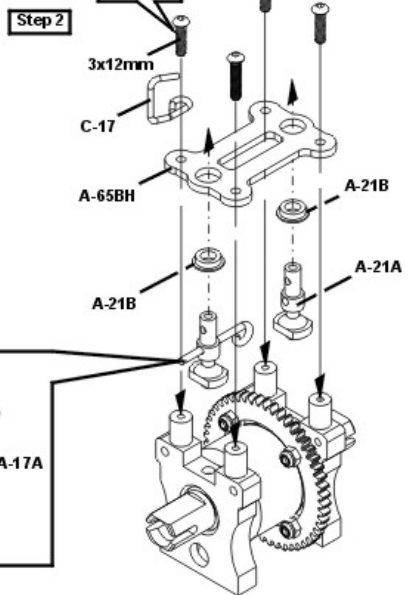
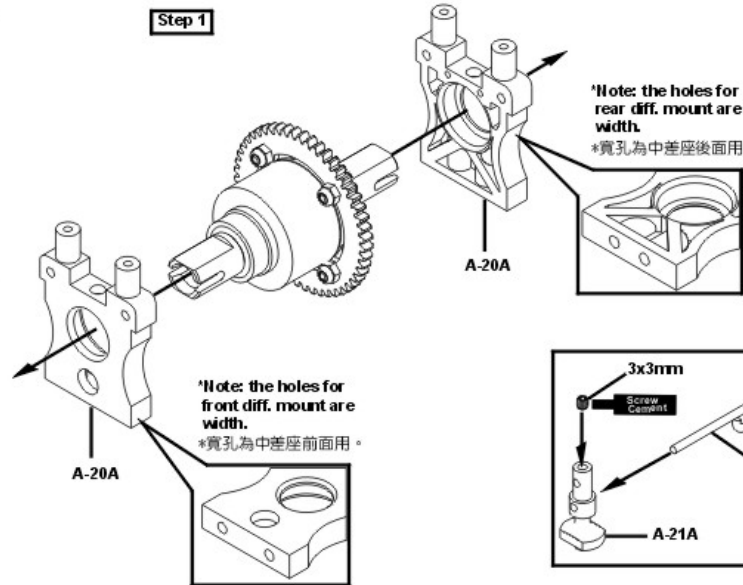
-  M4x4 Set Screw 止付螺絲x1
-  3x12mm Flat Head Hex Screw 血頭內六角螺絲x4
-  3x12mm Hex Screw 半丸內六角螺絲x4
-  A-77C P5 O-Ring O 環x2
-  A-77G 4x10mm Washer 墊片x4
-  A-77D 2x12.8mm Pin 滾針x2
-  A-87B 4mm Cross Pin 十字軸x2
-  A-62 7x19x6mm Ball Bearing...x2 7x19x6培林



3 ASSEMBLY OF THE CENTER DIFF. MOUNT

組合中央差速器與中差座

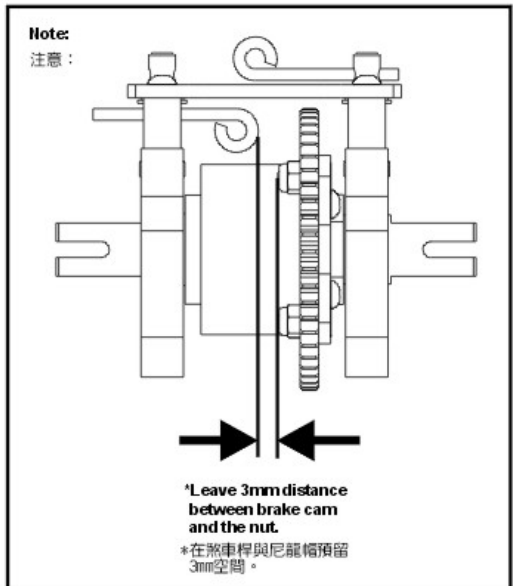
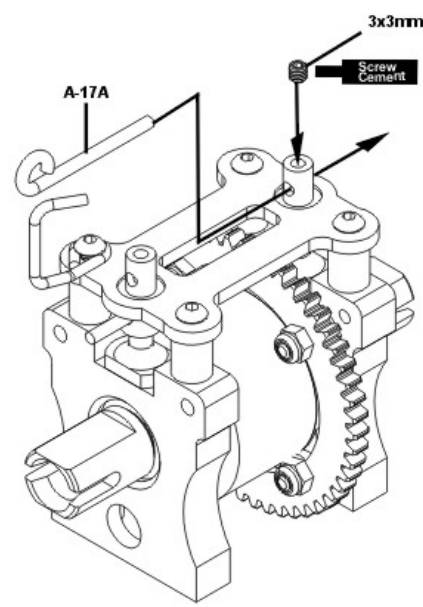
-  MBx3 Set Screwx1
止付螺絲
-  3x12mm Hex Screwx4
半丸內六角螺絲



4 ASSEMBLY OF THE BRAKE LEVER

組合煞車桿

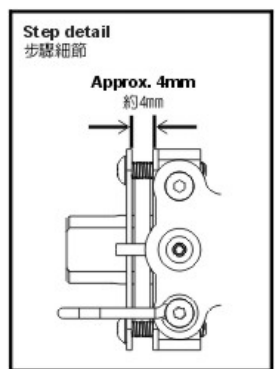
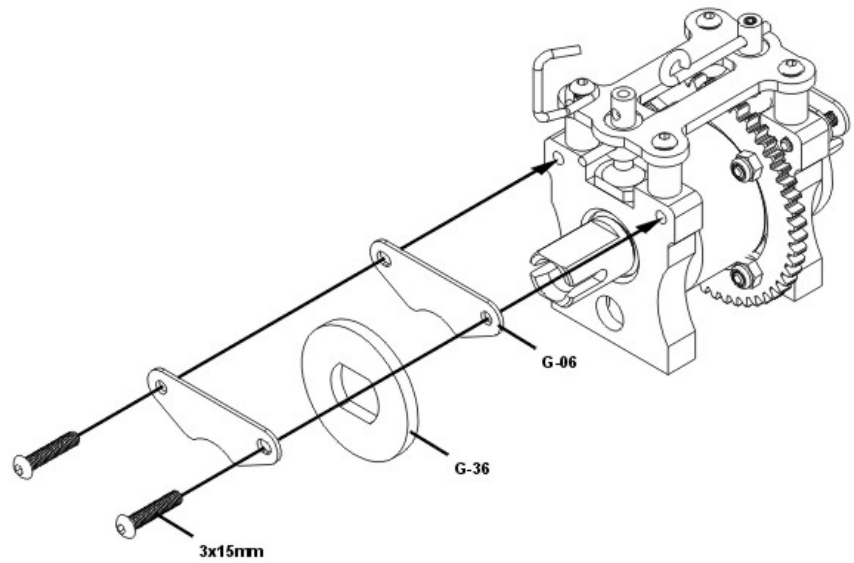
-  MBx3 Set Screwx1
止付螺絲




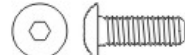

5 ASSEMBLY OF THE BRAKE PADS

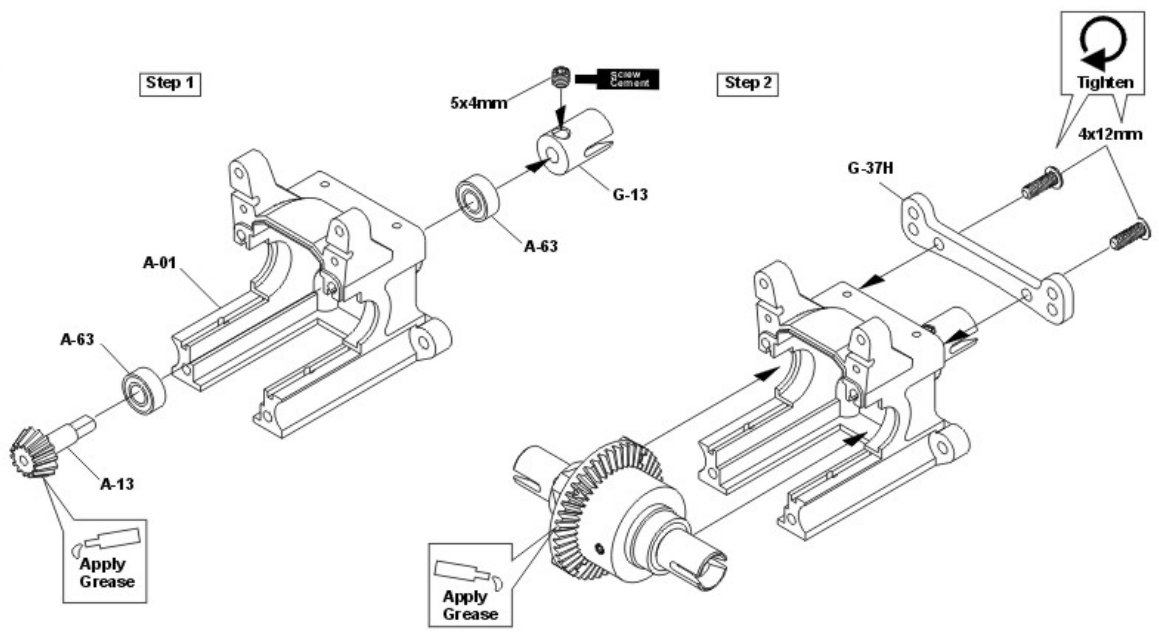
組合煞車夾片

-  3x15mm Hex Screwx4
半丸內六角螺絲

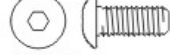
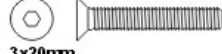
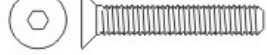





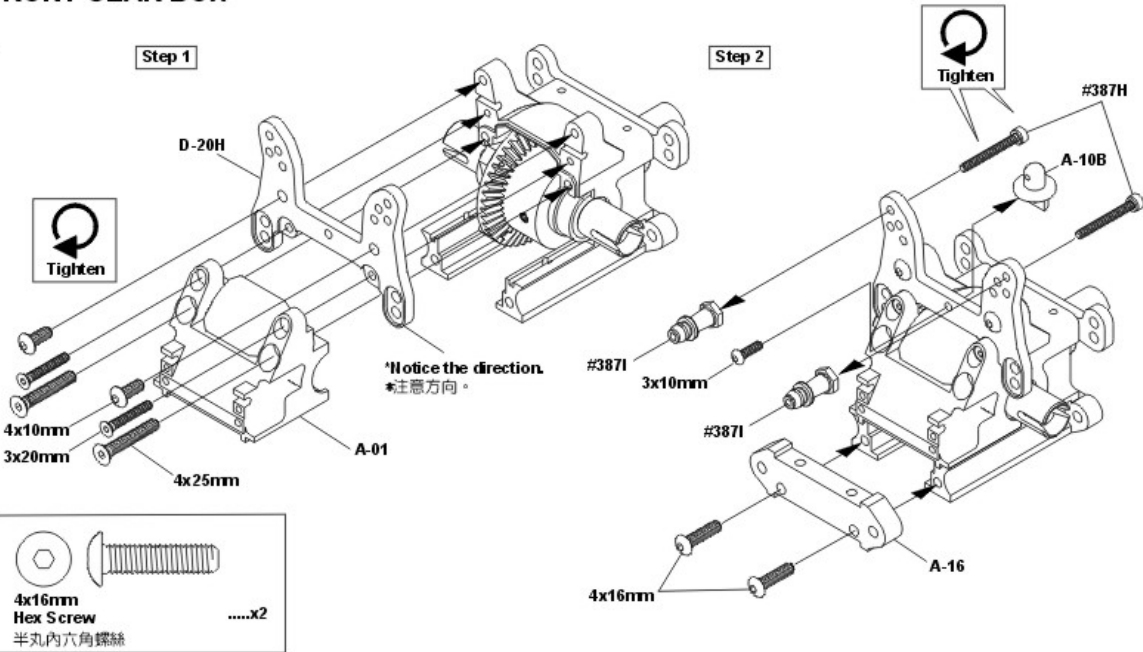
6 ASSEMBLY OF THE FRONT GEAR BOX 組合前齒輪箱

-  5x4mm Set Screwx1
止付螺絲
-  4x12mm Hex Screwx2
半丸內六角螺絲
-  A-63 6x13x5mm Ballbearingsx2
培林









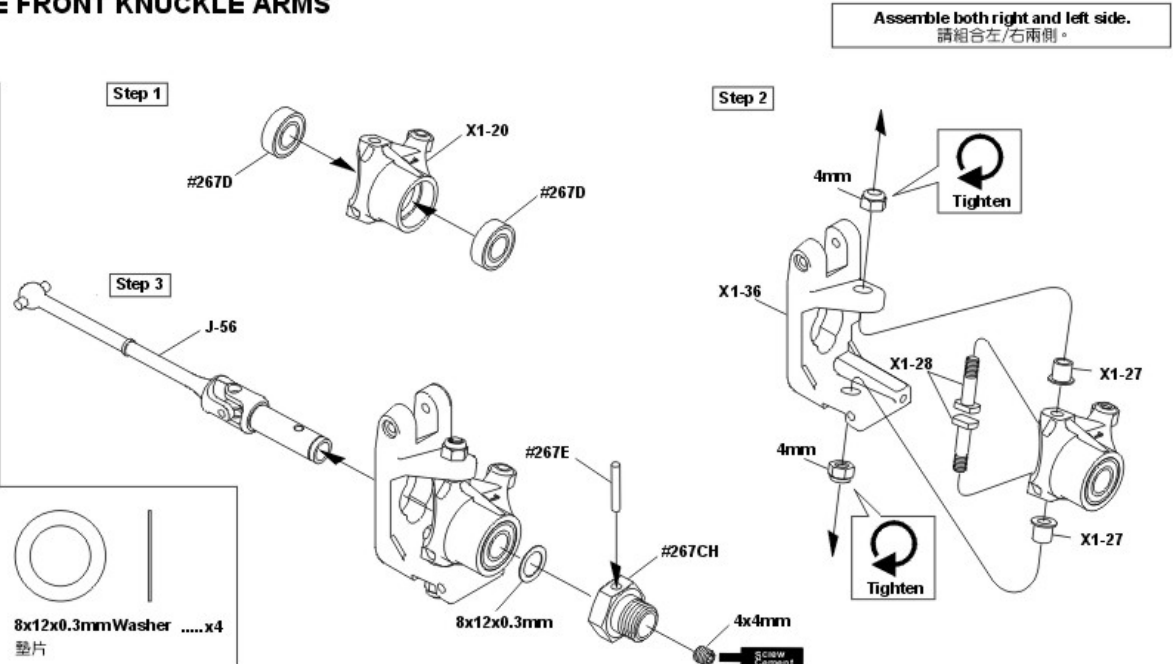
7 ASSEMBLY OF THE FRONT GEAR BOX 組合前齒輪箱

-  4x10mm Hex Screwx2
半丸內六角螺絲
-  3x20mm Flat Head Hex Screwx2
血頭內六角螺絲
-  4x25mm Flat Head Hex Screwx2
血頭內六角螺絲
-  #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






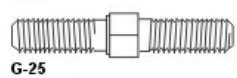
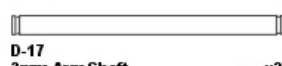
8 ASSEMBLY OF THE FRONT KNUCKLE ARMS 組合轉向座

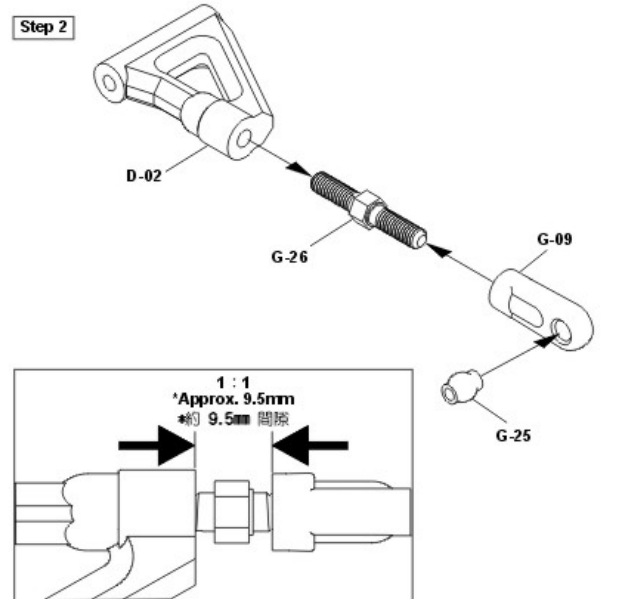
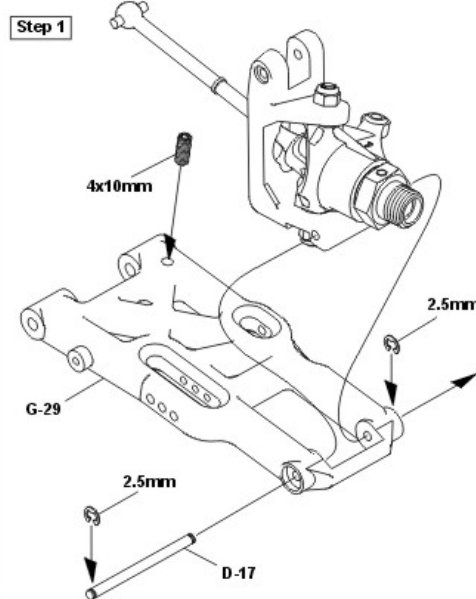
-  M4x4 Set Screwx2
止付螺絲
-  4mm Nylon Nutx4
尼龍螺帽
-  X1-27 Knuckle Arm Bushingx4
轉向座襯套
-  X1-28 King Pin Screwx4
大王銷螺絲
-  #267E 2.5x16.8mm Pinx4
滾針
-  8x12x0.3mm Washerx4
墊片



9 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。

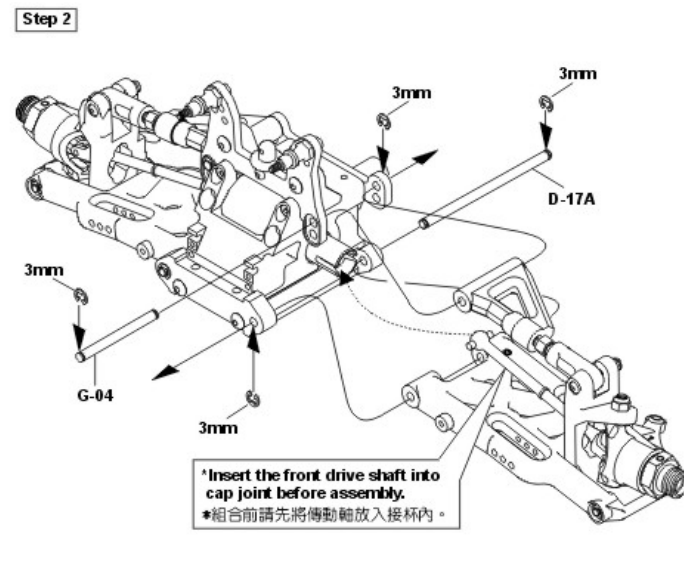
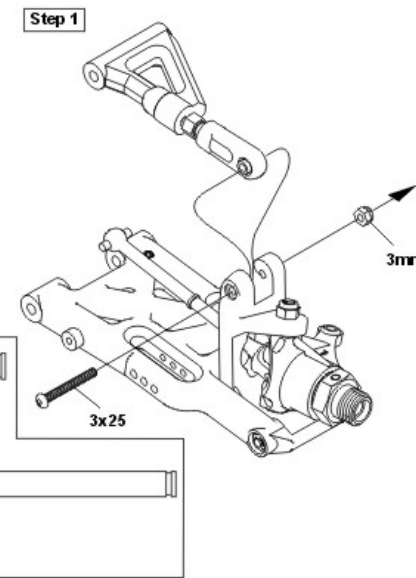
-  **4x10 Set Screw**x2
止付螺絲
-  **2.5mm E-Ring**x4
E型扣環
-  **G-25 7mm Ball**x2
球型
-  **G-25 5x35mm Tumbuckle**x2
正反牙桿
-  **D-17 3mm Arm Shaft**x2
擺臂軸



10 ASSEMBLY OF THE FRONT SUSPENSION ARMS 組合前懸吊系統

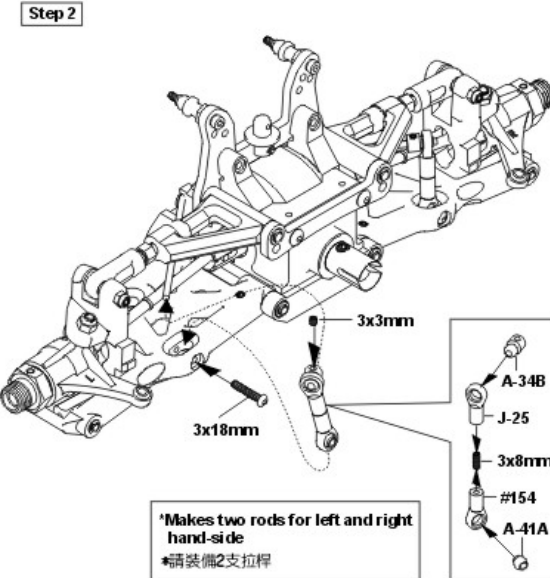
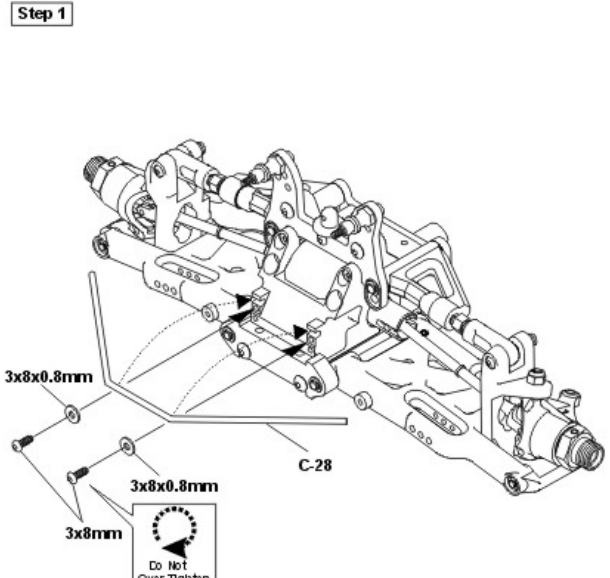
Assemble both right and left side.
請組合左/右兩側。

-  **3mm Nylon Nut**x2
尼龍螺帽
-  **3x25mm Hex Screw**x2
半丸內六角螺絲
-  **3mm E-Ring**x8
E型扣環
-  **G-04 4mm Arm Shaft**x2
擺臂軸
-  **D-17A 4mm Arm Shaft**x2
擺臂軸



11 ASSEMBLY OF THE FRONT SUSPENSION ARMS 組合前懸吊系統

-  **M3x3 Set Screw**x2
止付螺絲
-  **M3x8mm Set Screw**x2
止付螺絲
-  **3x8mm Hex Screw**x2
半丸內六角螺絲
-  **3x18mm Hex Screw**x2
半丸內六角螺絲
-  **3x8x0.8mm Washer**x2
墊片

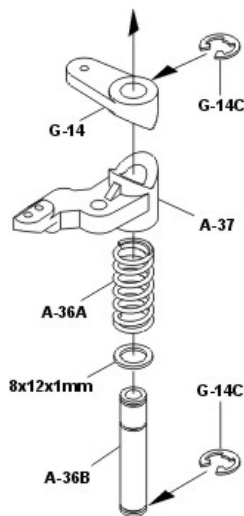


12 ASSEMBLY OF THE SERVO SAVER

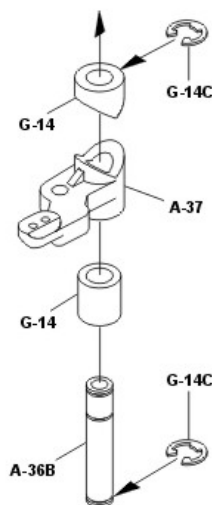
組合緩衝組



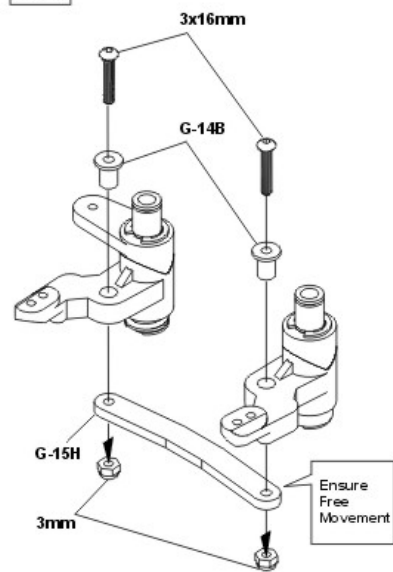
Step 1



Step 2



Step 3

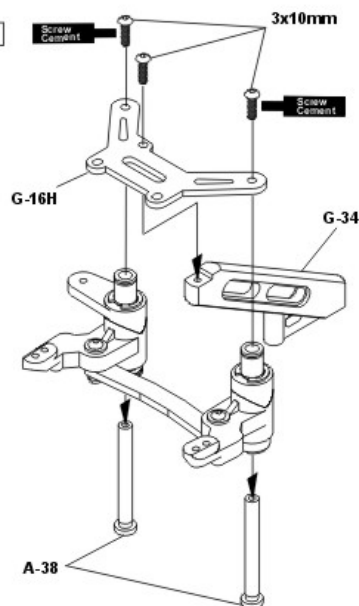


13 ASSEMBLY OF THE SERVO SAVER

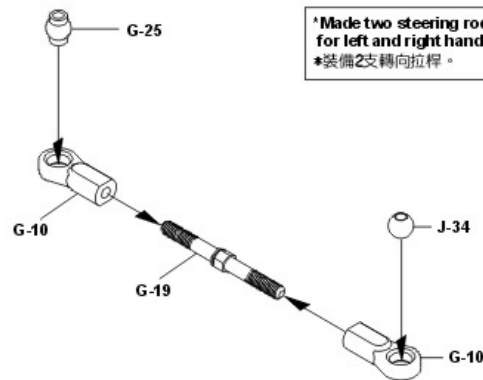
組合緩衝組



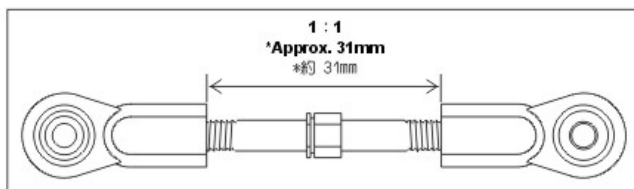
Step 1



Step 2



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

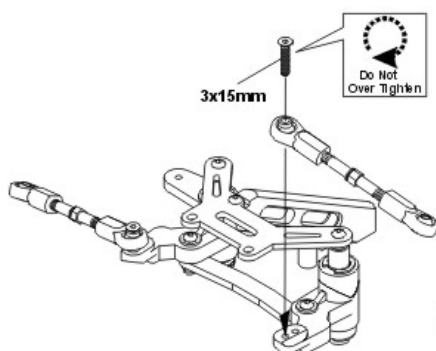


14 ASSEMBLY OF THE SERVO SAVER

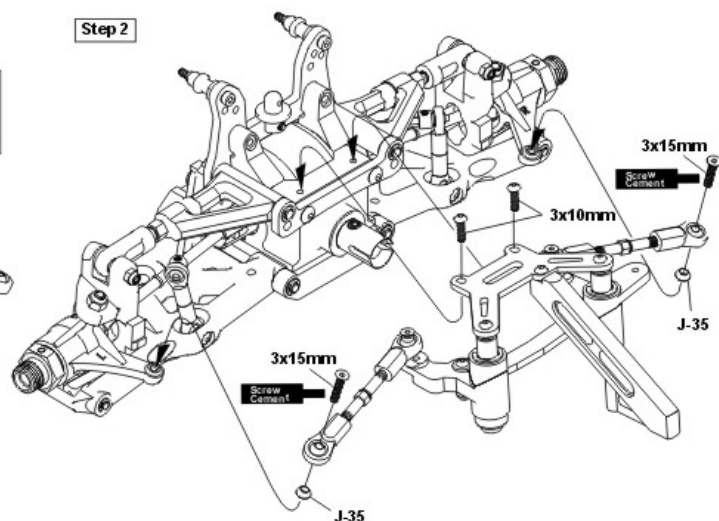
組合緩衝組



Step 1



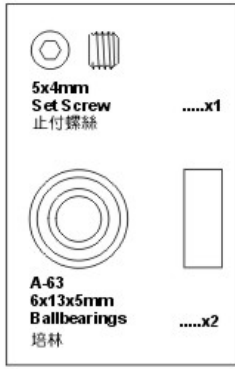
Step 2



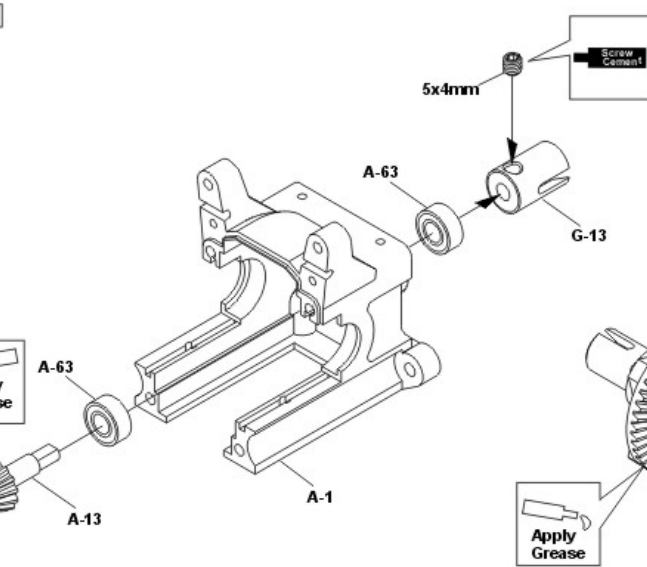
15 ASSEMBLY OF THE REAR GEAR BOX

組合後齒輪箱

Step 1

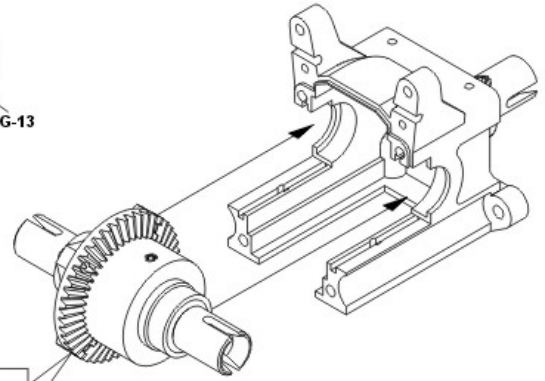


Apply Grease



Step 2

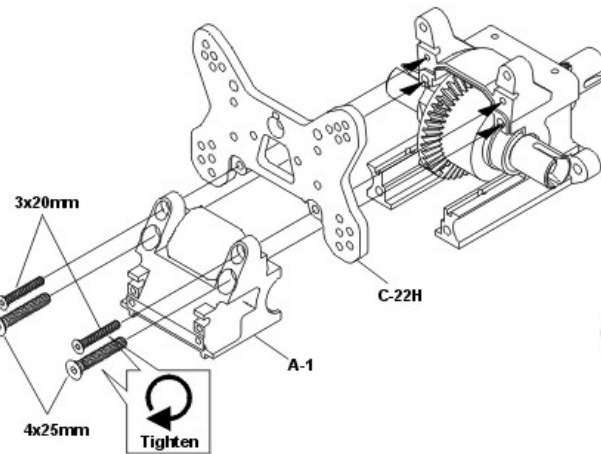
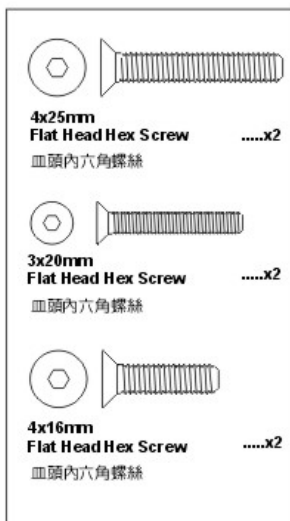
Apply Grease



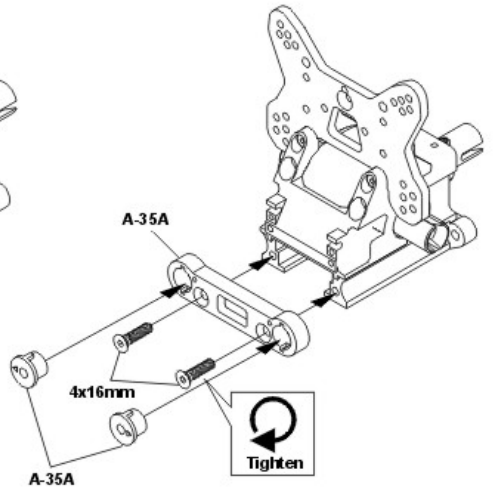
16 ASSEMBLY OF THE REAR GEAR BOX

組合後齒輪箱

Step 1



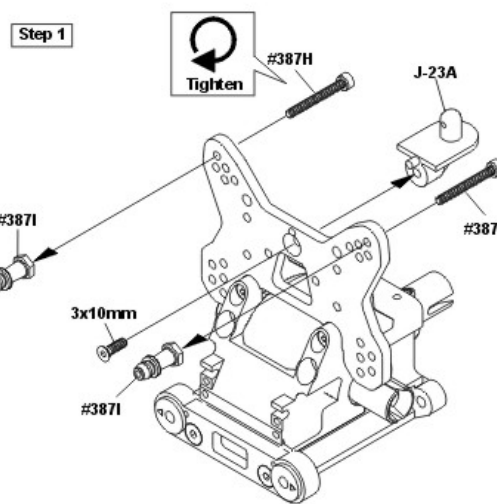
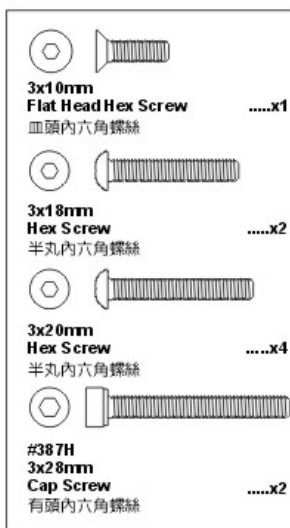
Step 2



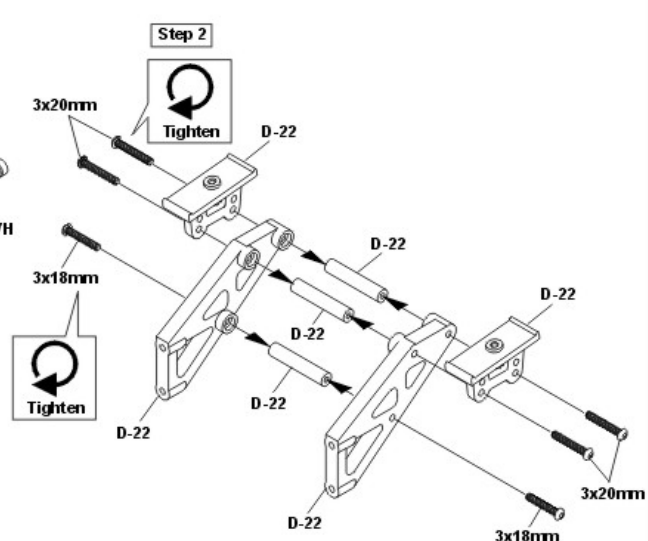
17 ASSEMBLY OF THE REAR GEAR BOX

組合後齒輪箱

Step 1



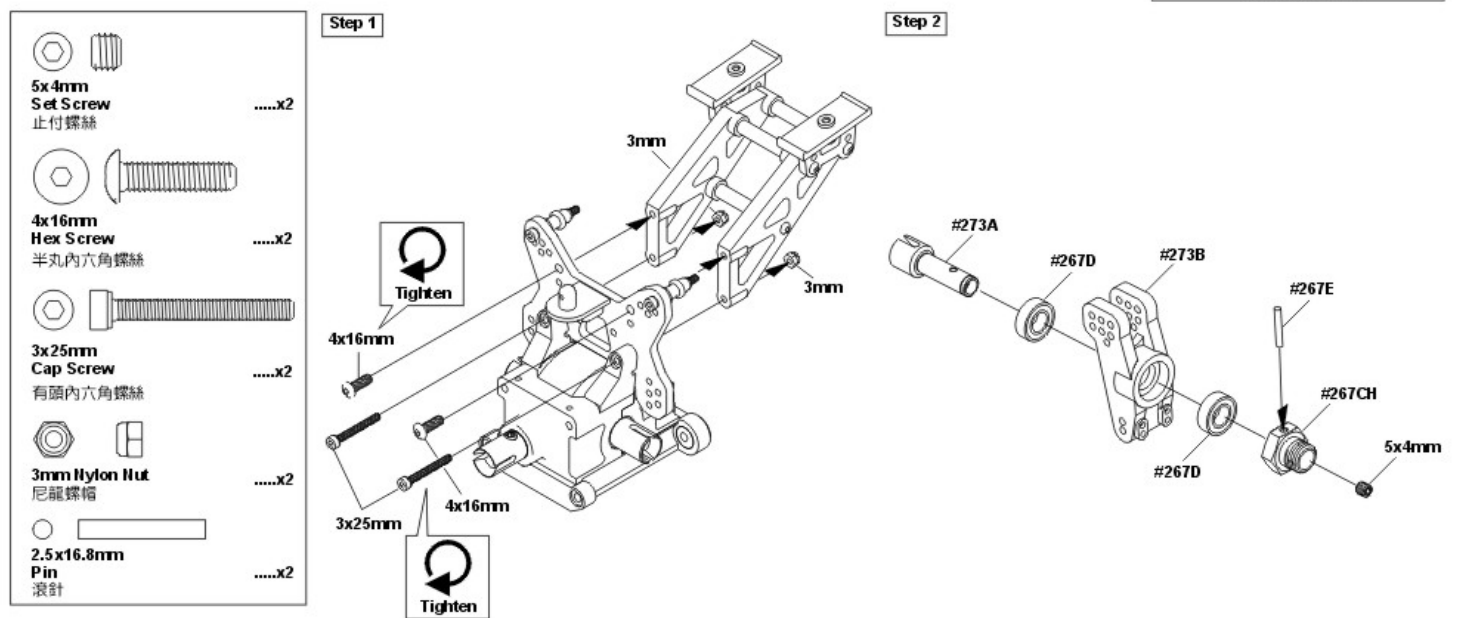
Step 2



18 ASSEMBLY OF THE WING STAY AND REAR WHEEL HUB

組合後定風翼架與後輪座

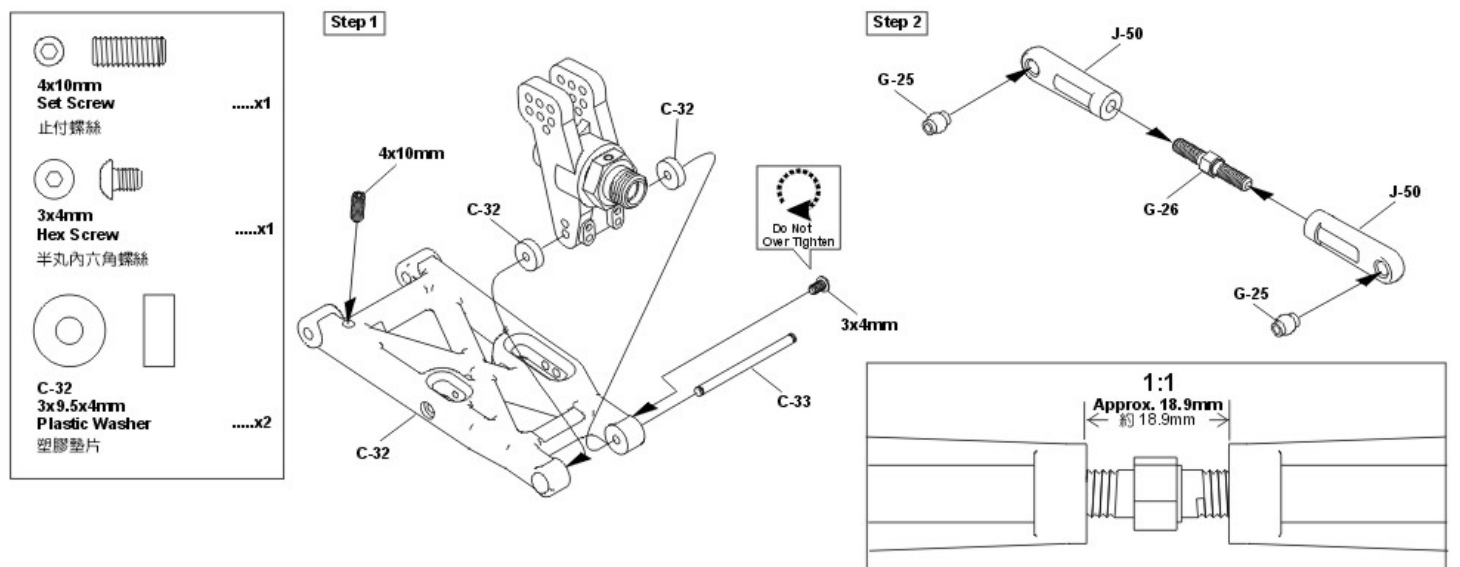
*Builds two rear wheel hubs for use.
*組合兩組後輪座



19 ASSEMBLY OF THE REAR WHEEL HUB AND UPPER ARM ROD

組合後輪座與後上擺臂

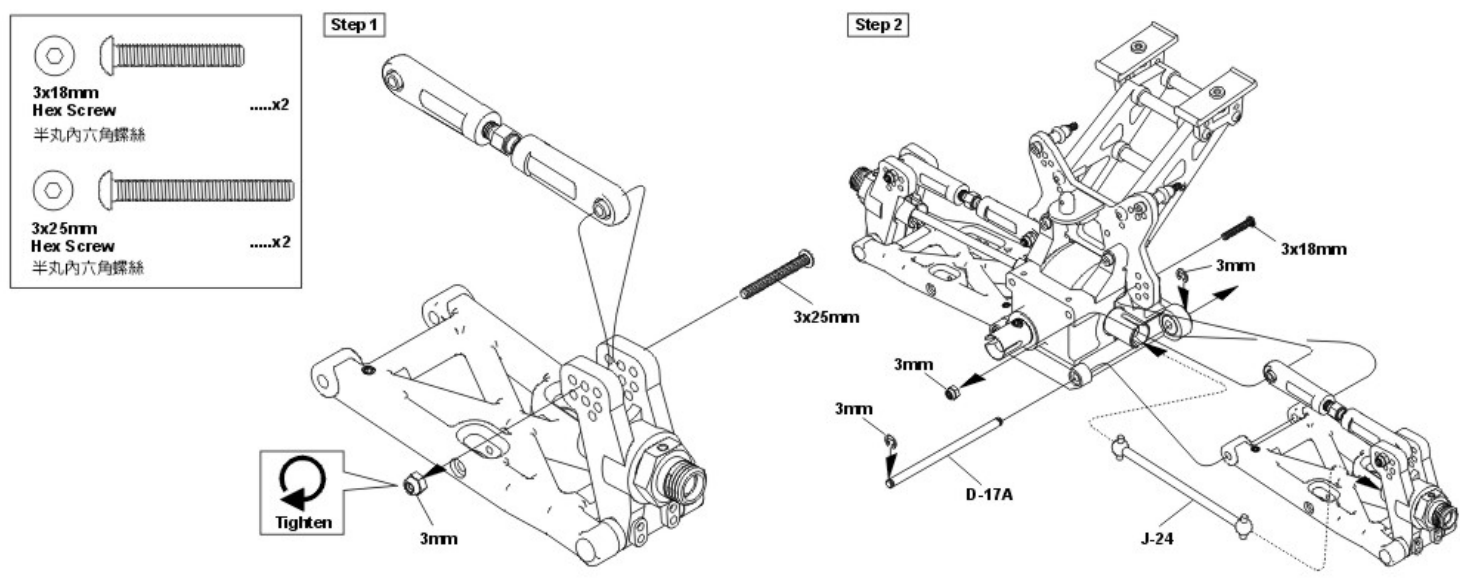
Assemble both right and left side.
請組合左/右兩側。



20 ASSEMBLY OF THE REAR LOW ARMS INTO GEAR BOX

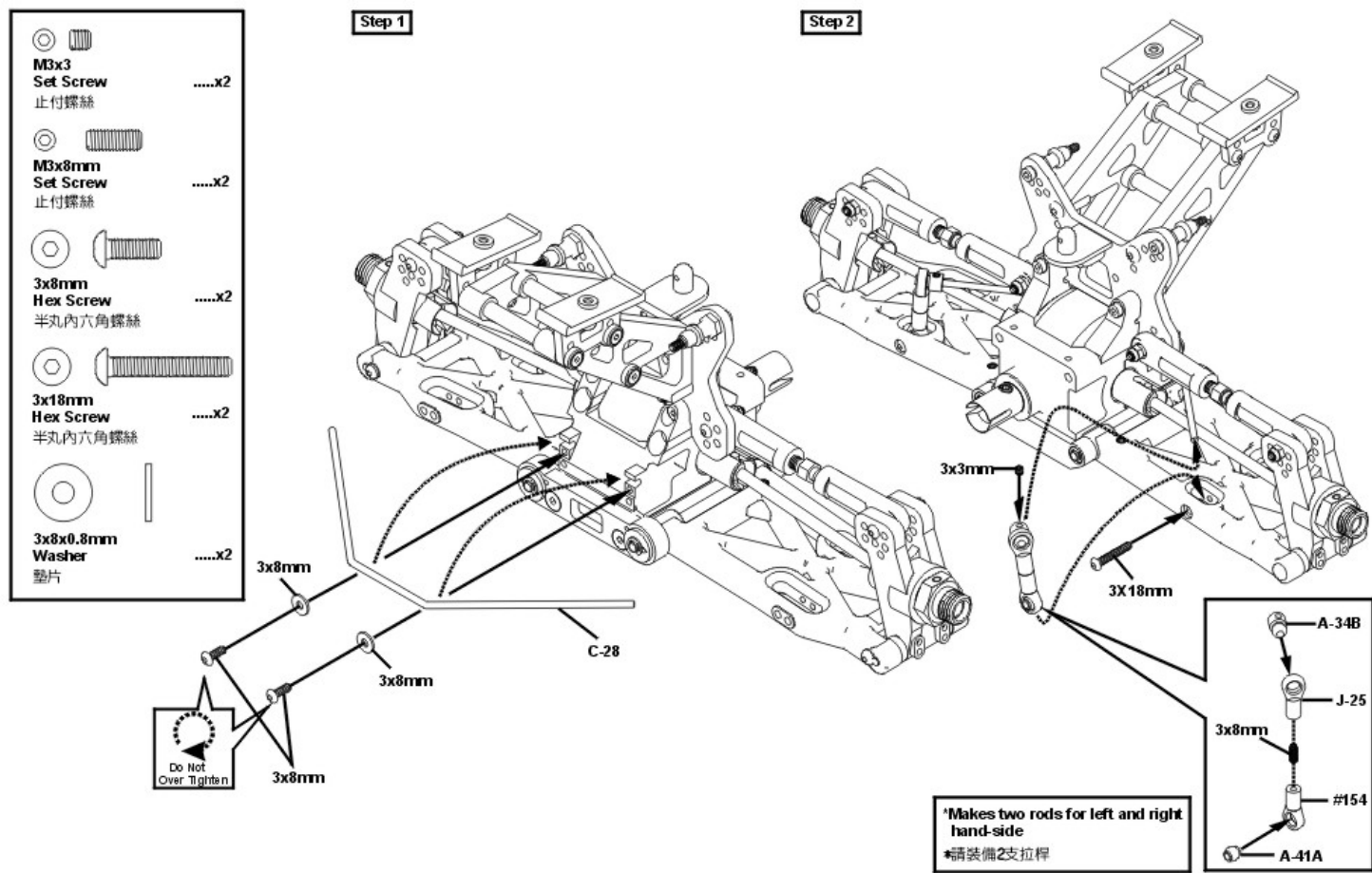
組合後下擺臂

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



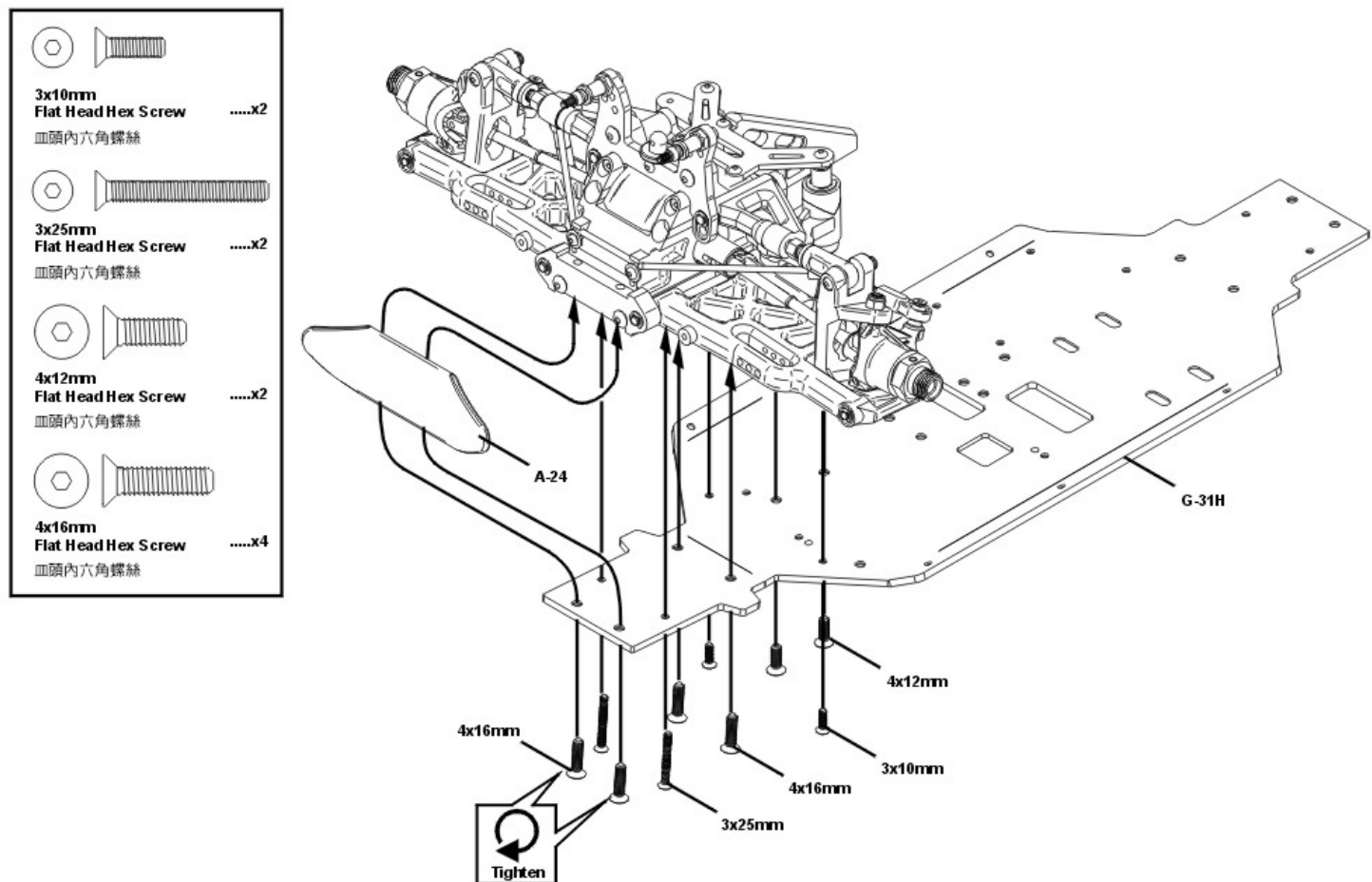
21 ASSEMBLY OF THE FRONT STABILIZER

組合平衡桿



22 ASSEMBLY OF THE FRONT GEAR BOX ONTO CHASSIS

組合前齒輪箱至底盤

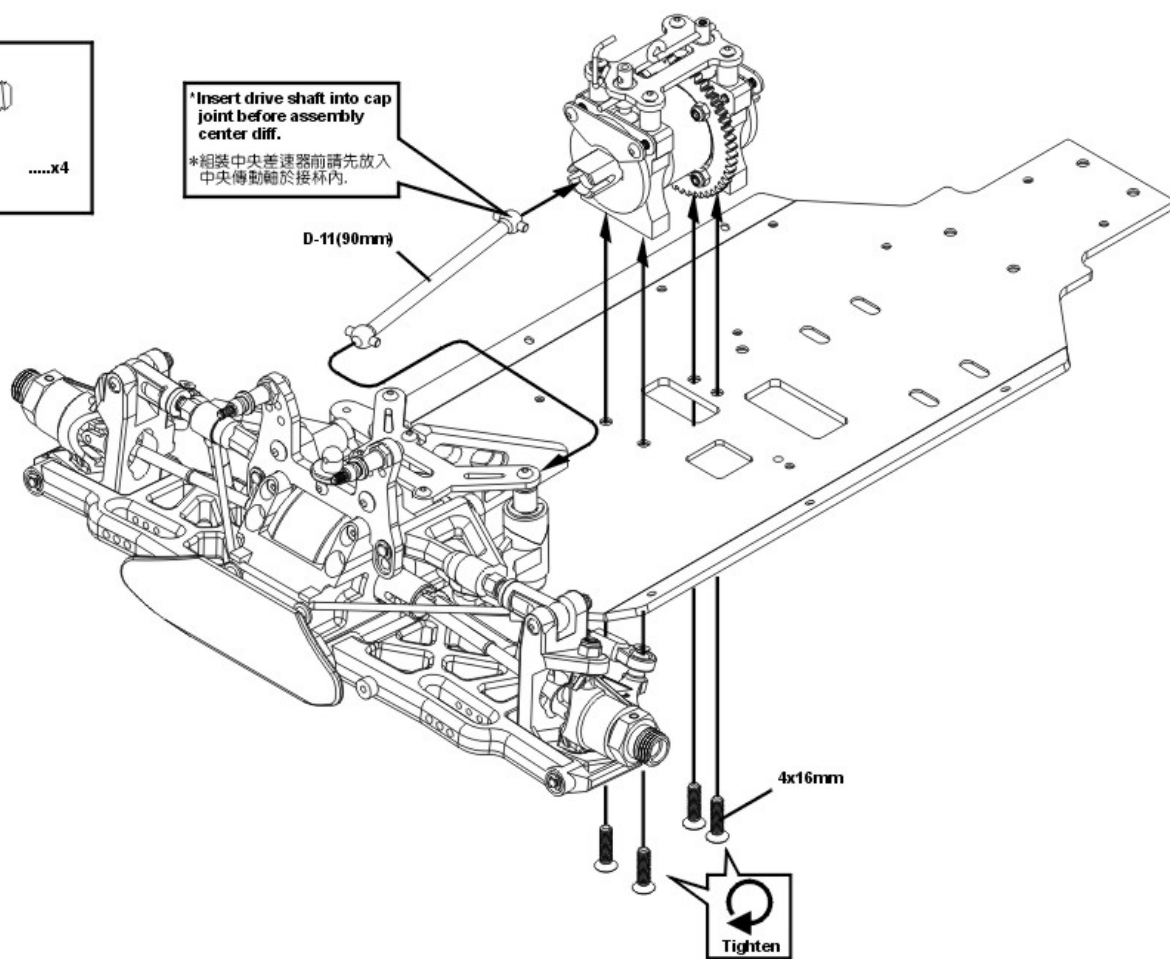


23 ASSEMBLY OF THE CENTER DIFF. ONTO CHASSIS

組合中央差速器組與底盤組合

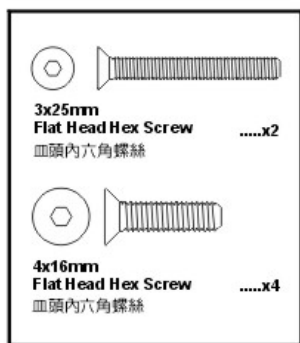


*Insert drive shaft into cap joint before assembly center diff.
*組裝中央差速器前請先放入中央傳動軸於接杯內。

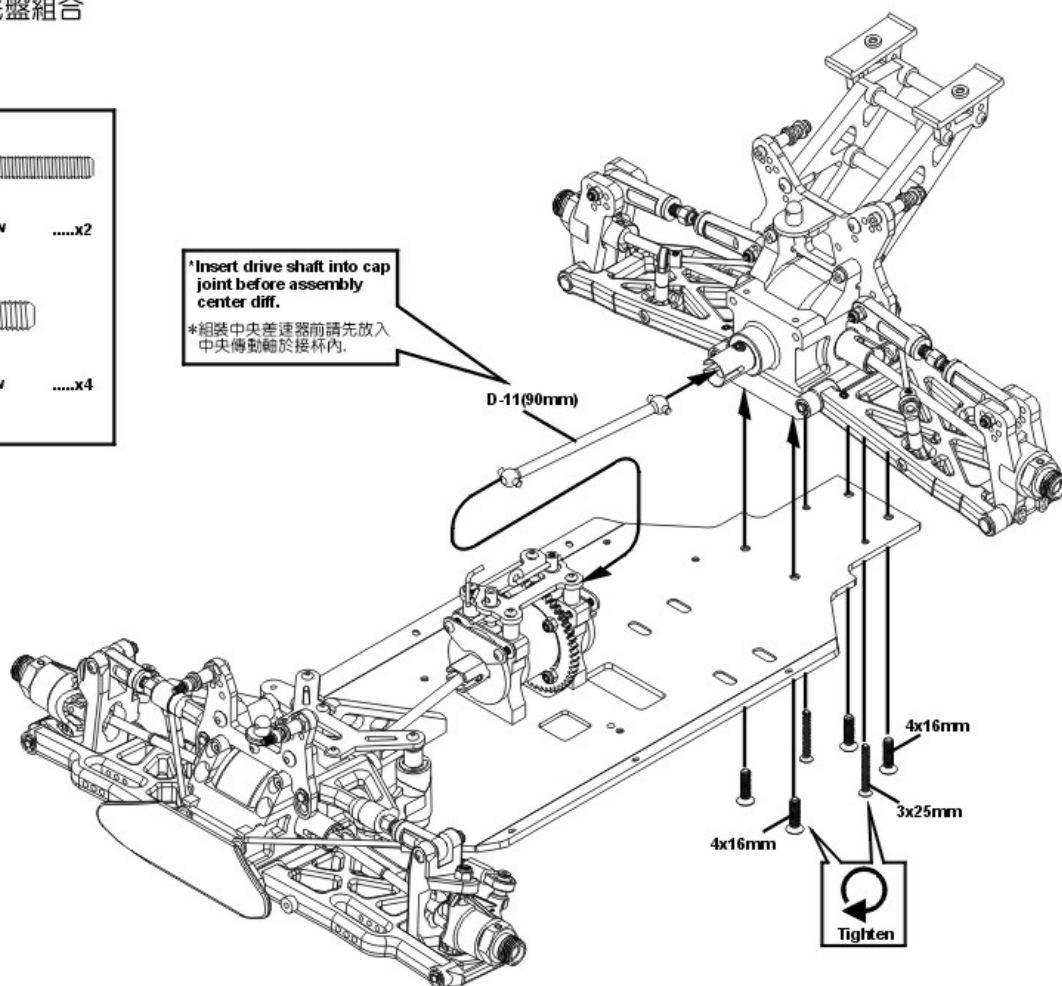


24 ASSEMBLY OF THE REAR GEAR BOX ONTO THE CHASSIS

後齒輪箱與底盤組合

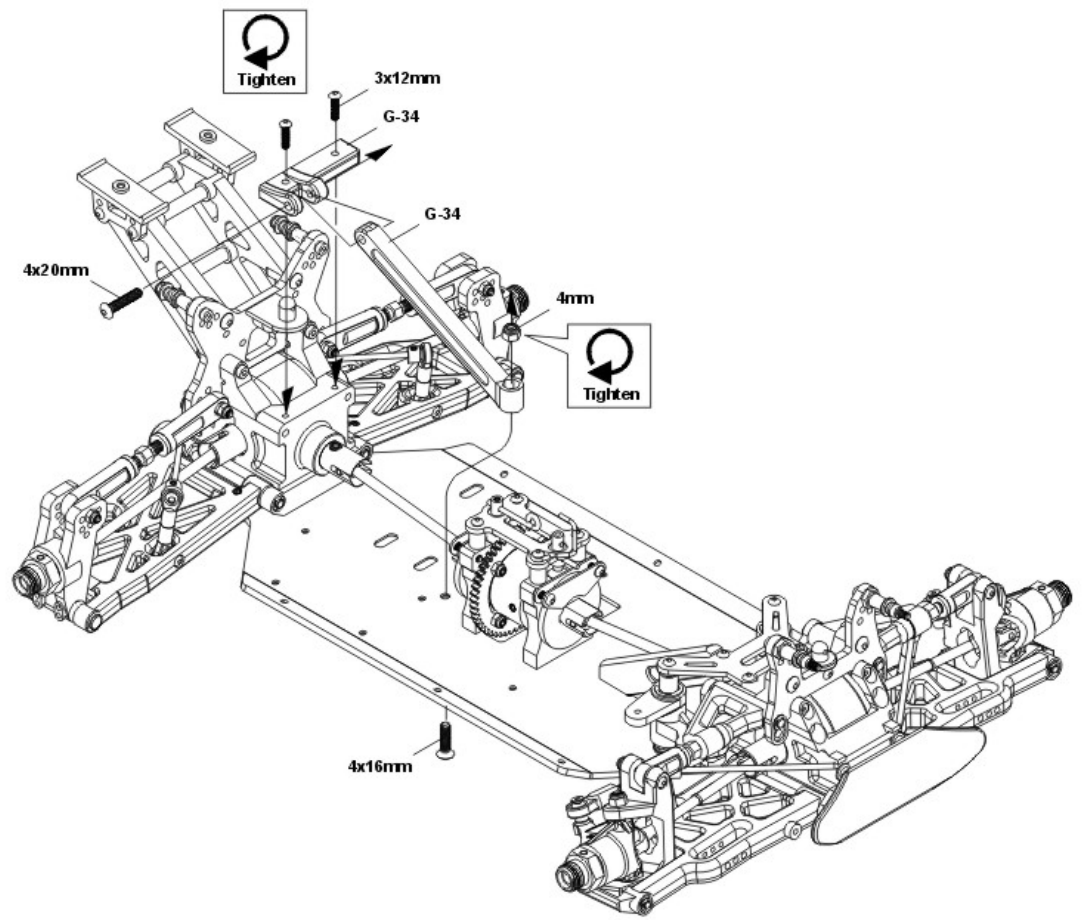


*Insert drive shaft into cap joint before assembly center diff.
*組裝中央差速器前請先放入中央傳動軸於接杯內。



25 ASSEMBLY OF THE REAR CENTER BRACE

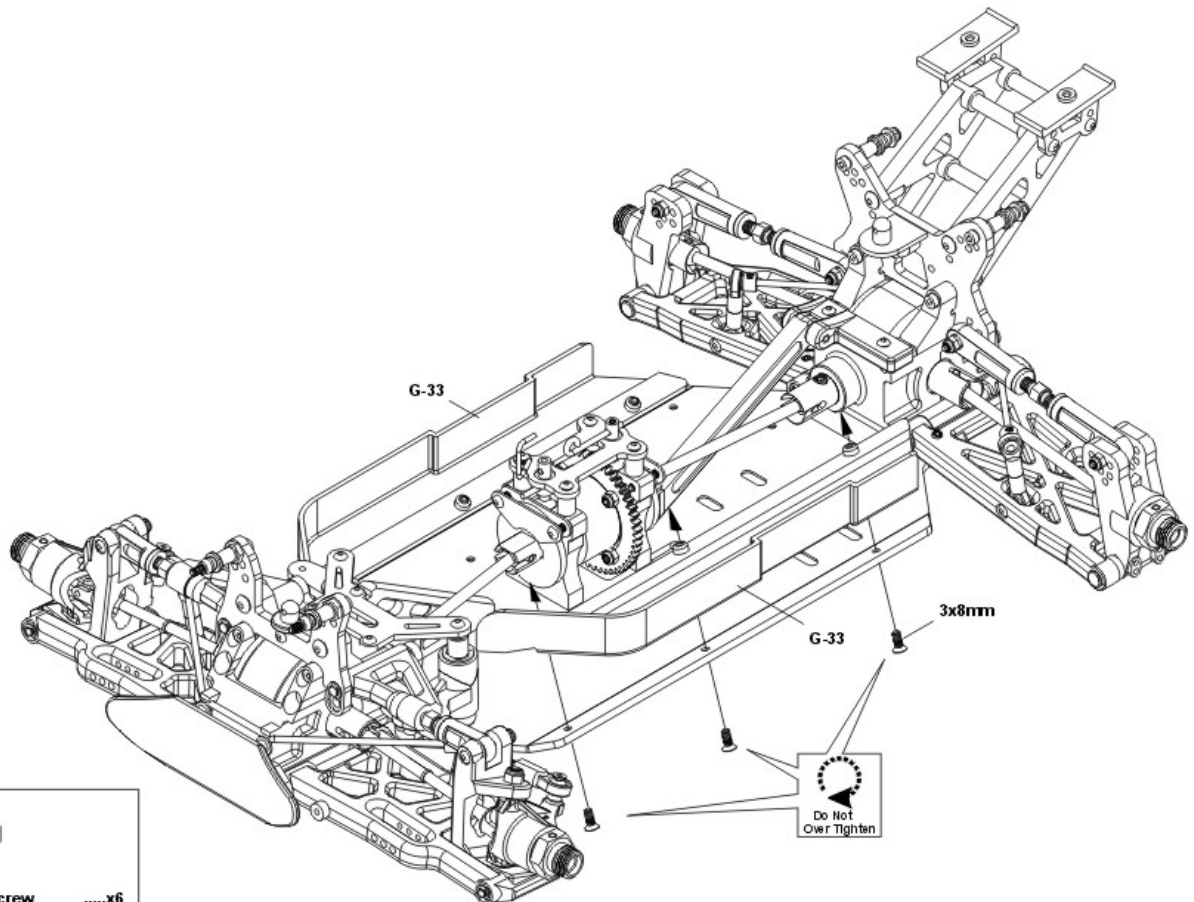
後中央補強桿組合



26 ASSEMBLY OF THE STONE GUARD

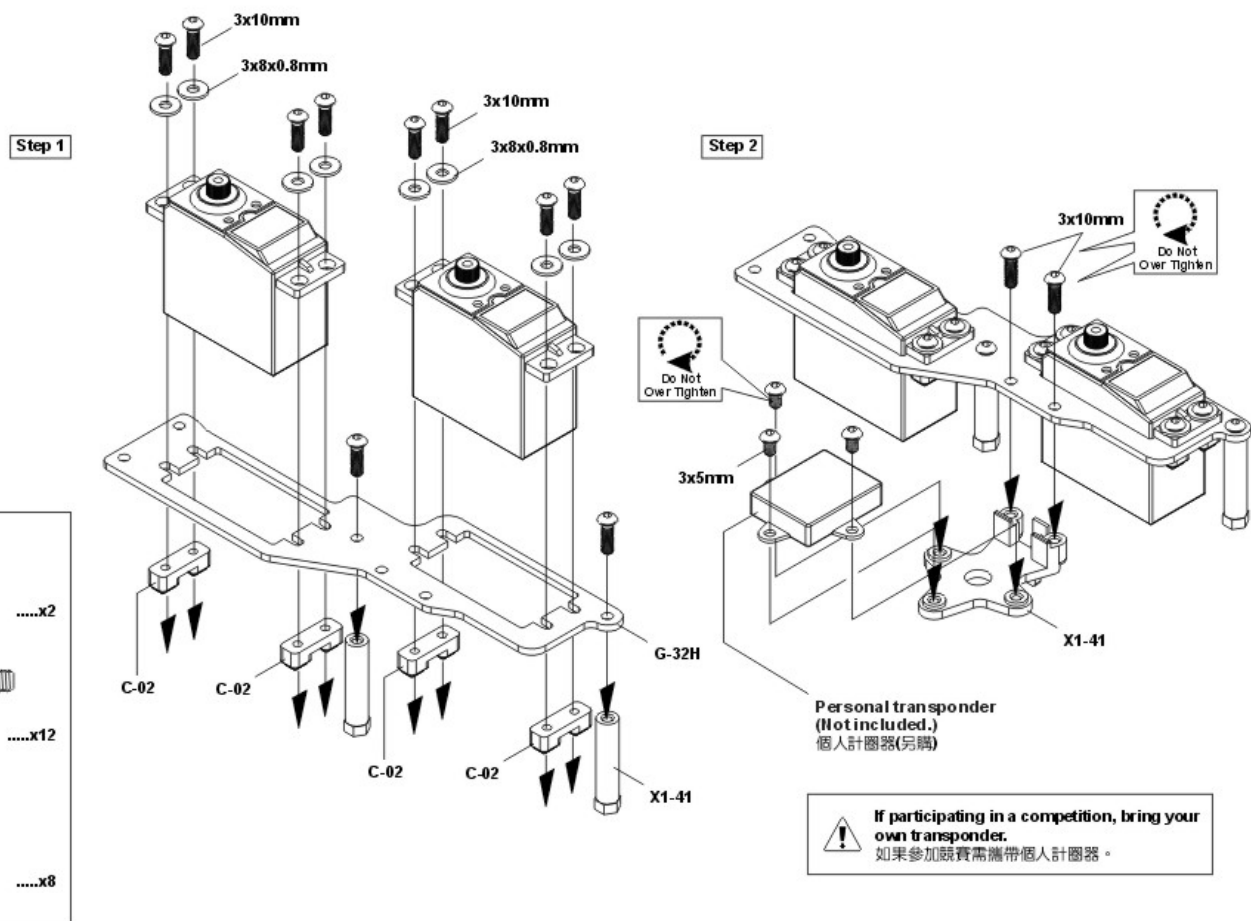
組合防撞板

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



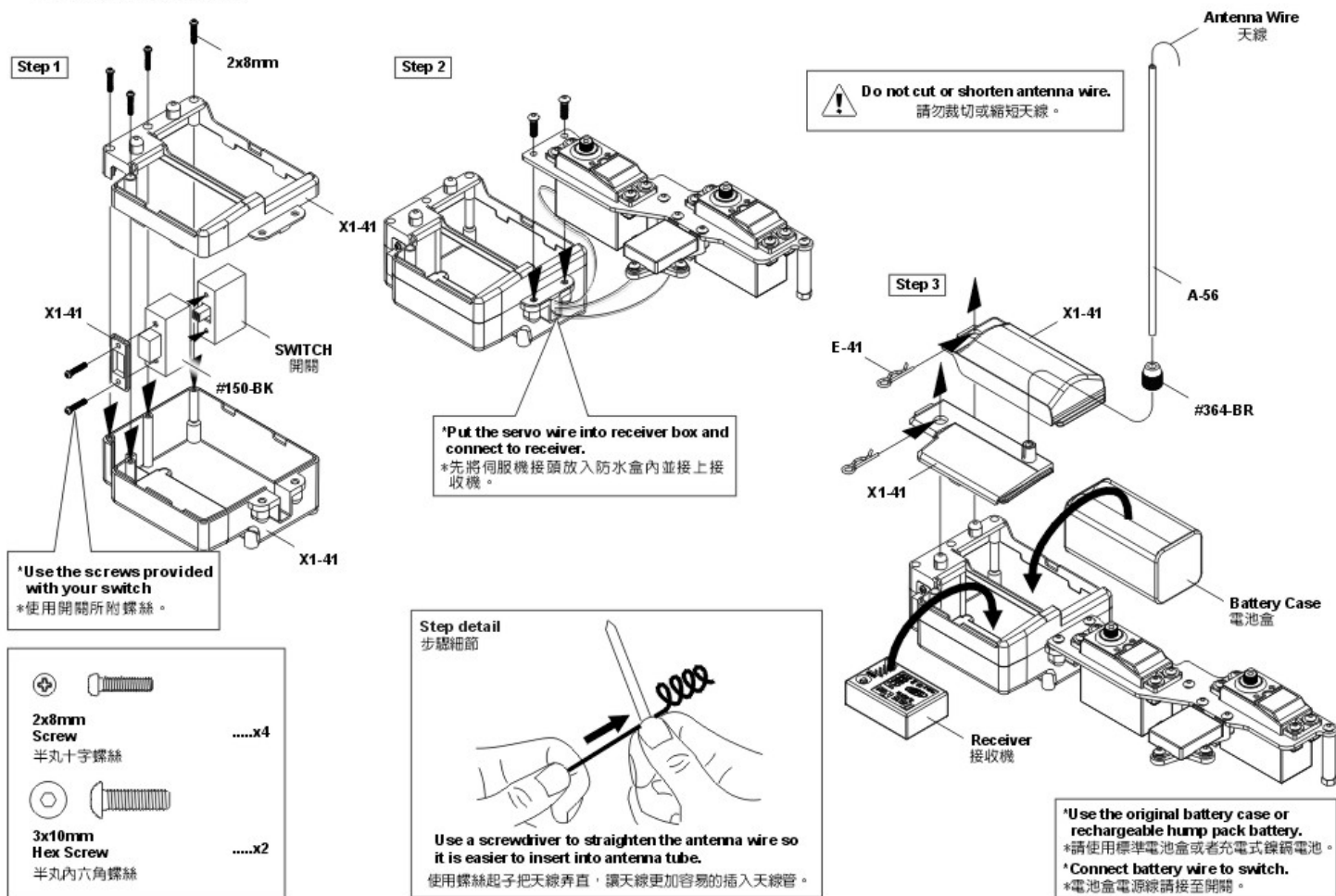
27 ASSEMBLY OF THE FRONT SERVO AND RADIO TRAY

組合二樓板與伺服機

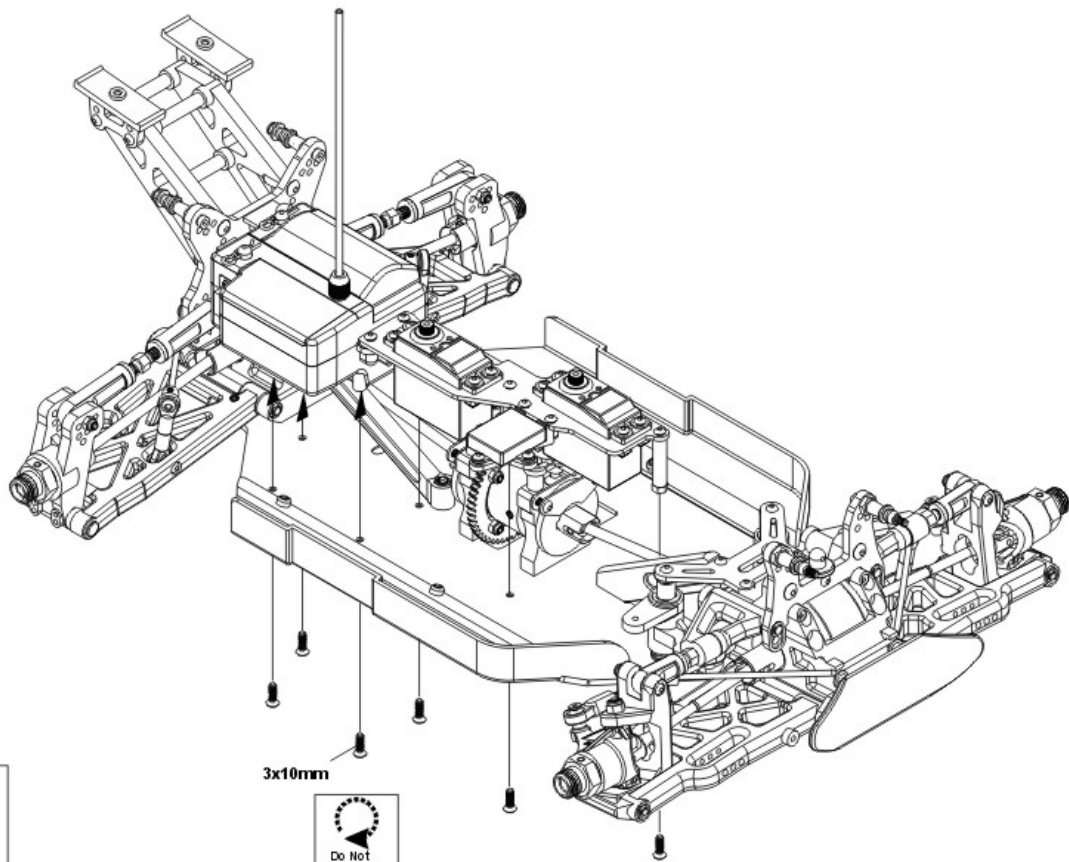


28 ASSEMBLY OF THE RADIO TRAY AND RECEIVER BOX

二樓板與防水盒組合



29 ASSEMBLY OF THE REDIO TRAY ONTO CHASSIS
 組合二樓板組至底盤

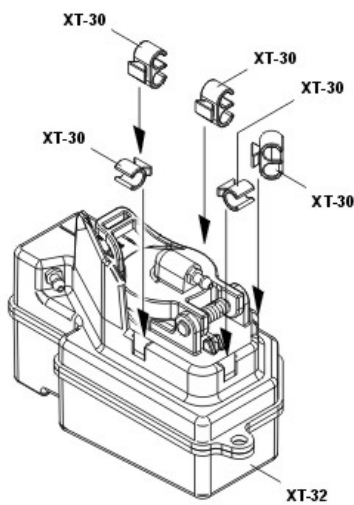


**3x10mm
 Flat Head Hex Screw**x6
 皿頭內六角螺絲

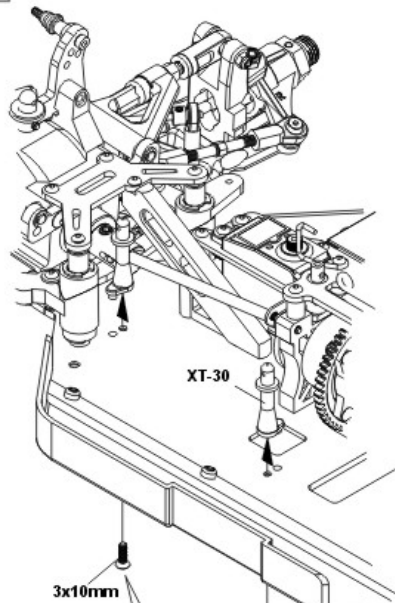


30 ASSEMBLY OF THE FUEL TANK ONTO CHASSIS
 組合油箱至底盤

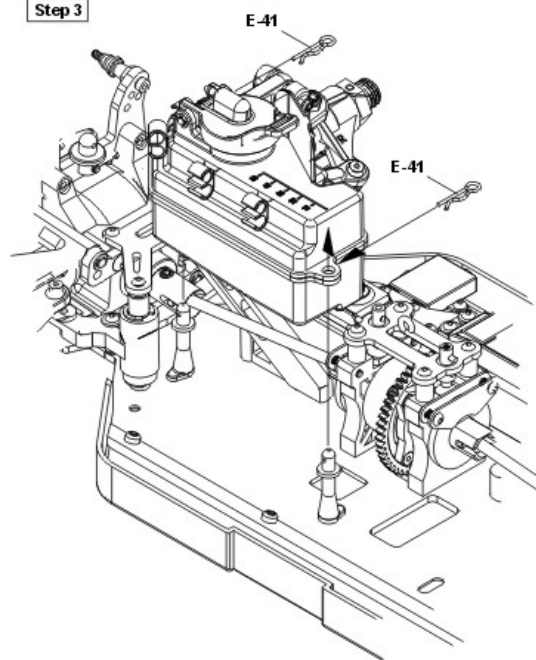
Step 1



Step 2



Step 3



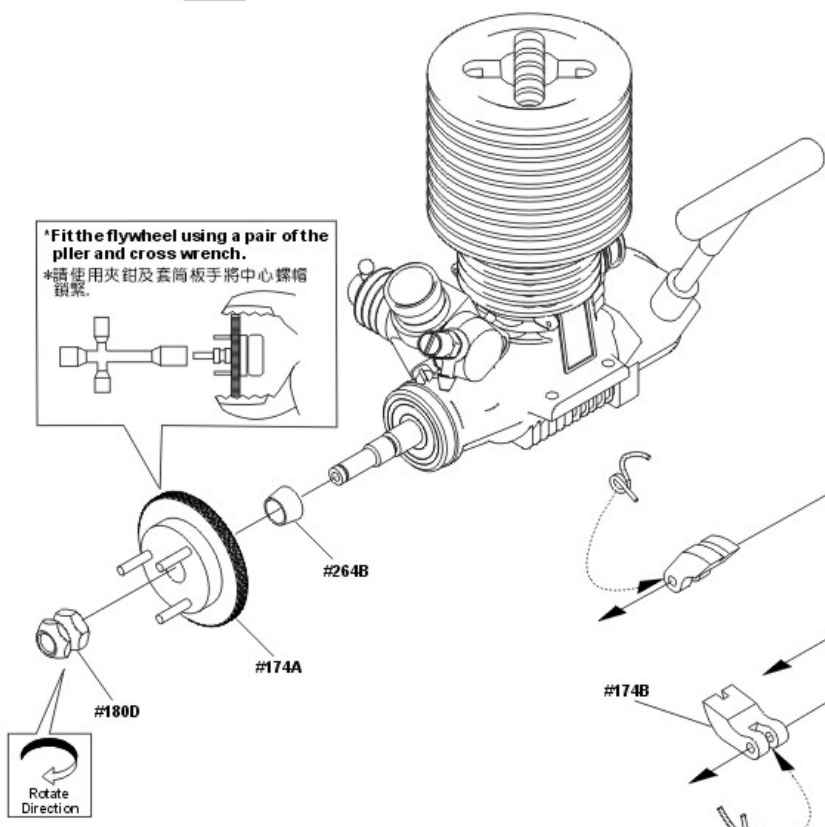
**3x10mm
 Flat Head Hex Screw**x2
 皿頭內六角螺絲



31 ASSEMBLY OF THE CLUTCH 組合離合器

Step 1

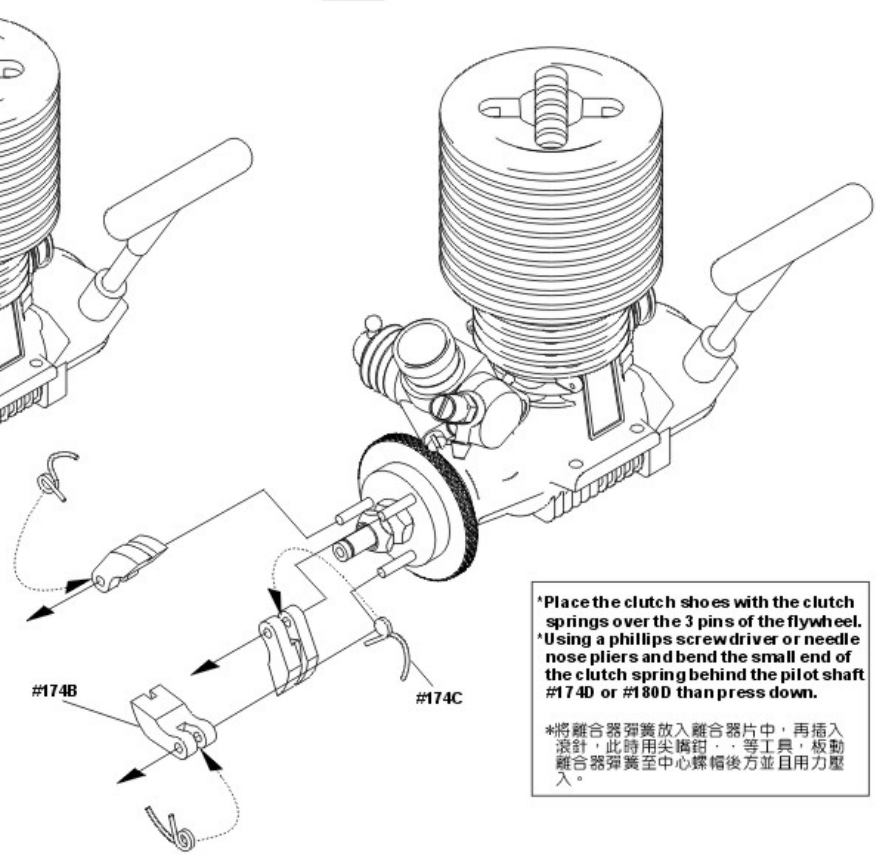
*Fit the flywheel using a pair of the plier and cross wrench.
*請使用夾鉗及套筒板手將中心螺帽鎖緊。



Step 2







*Place the clutch shoes with the clutch springs over the 3 pins of the flywheel.
*Using a phillips screw driver or needle nose pliers and bend the small end of the clutch spring behind the pilot shaft #174D or #180D then press down.

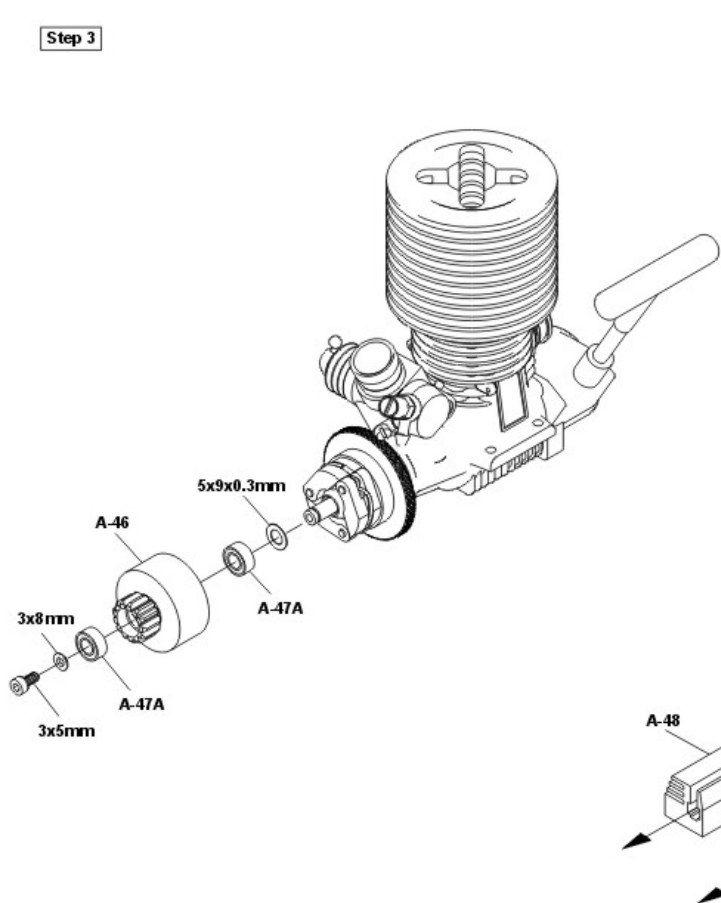
*將離合器彈簧放入離合器片中，再插入滾針，此時用尖嘴鉗、等工具，板動離合器彈簧至中心螺帽後方並且用力壓入。



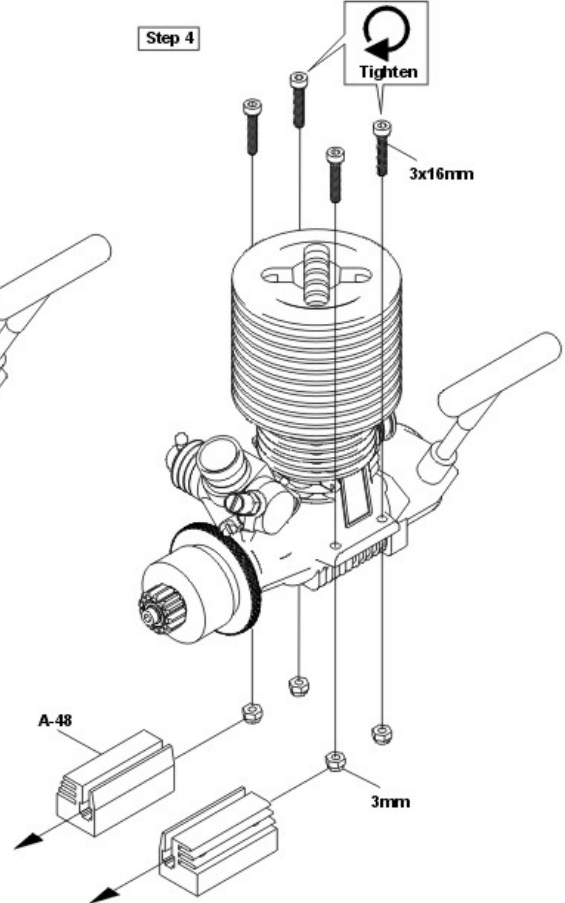
32 ASSEMBLY OF THE CLUTCH 組合離合器

Step 3

-  3x16mm Cap Screwx4
有頭內六角螺絲
-  3x5mm Cap Screwx1
有頭內六角螺絲
-  A-47A 5x10x4mm Ballbearingsx2
培林
-  5x9x0.3mm Washerx1
墊片
-  3x8x0.8mm Washerx1
墊片
-  3mm Nylon Nutx4
尼龍螺帽

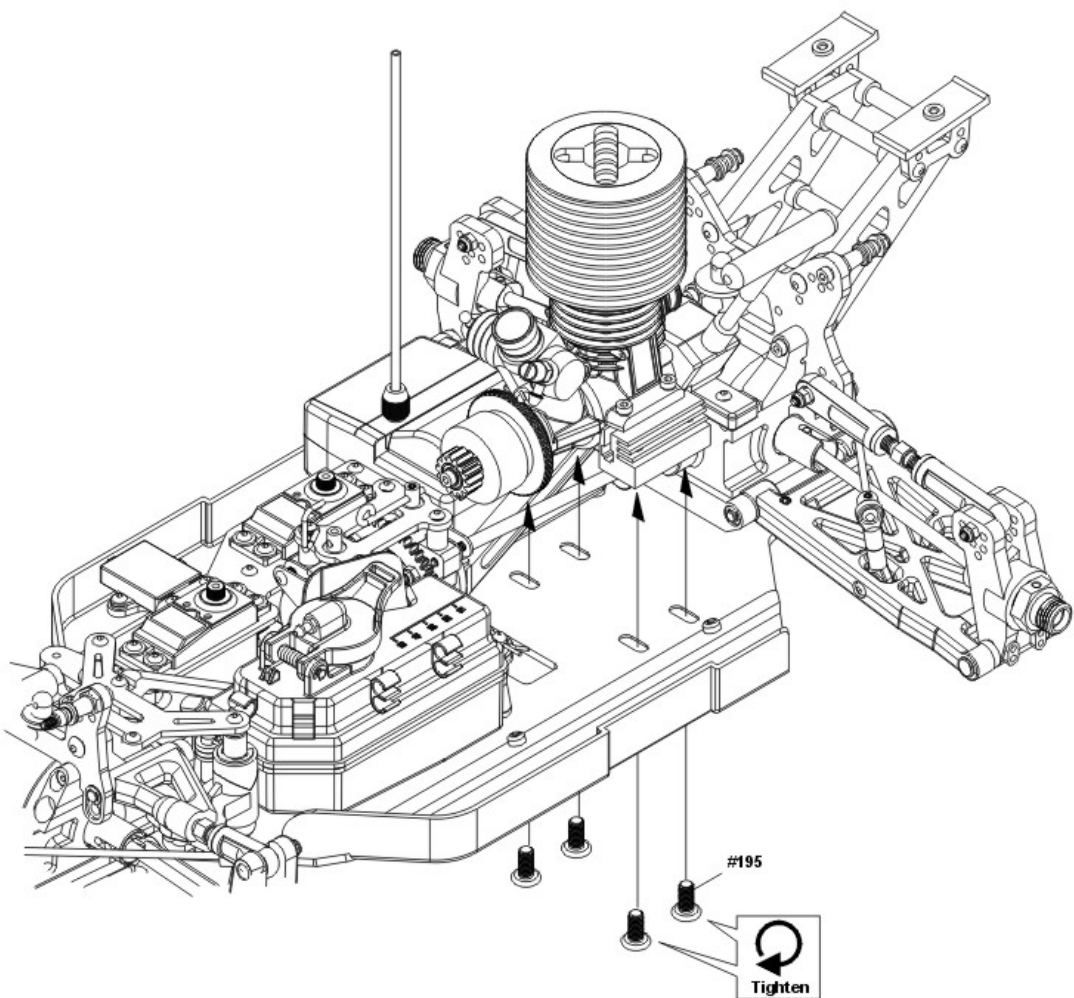
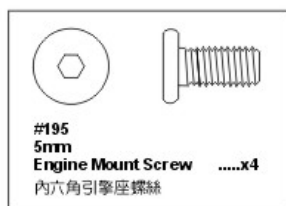
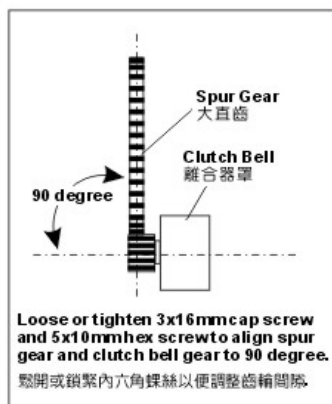


Step 4



33 ASSEMBLY OF THE ENGINE ONTO CHASSIS

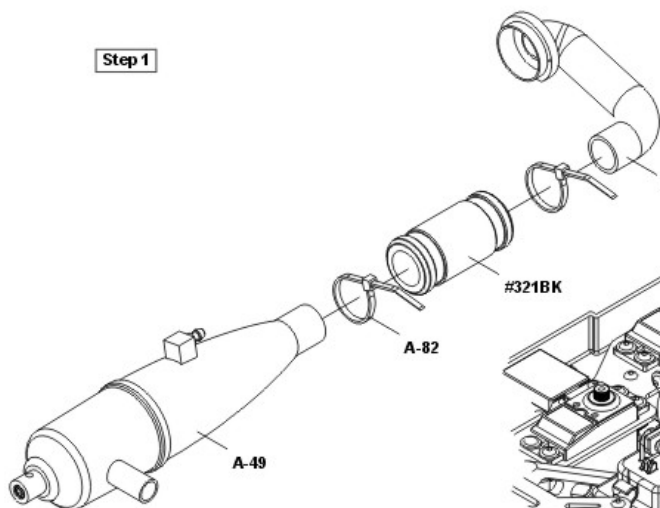
組合引擎至底盤



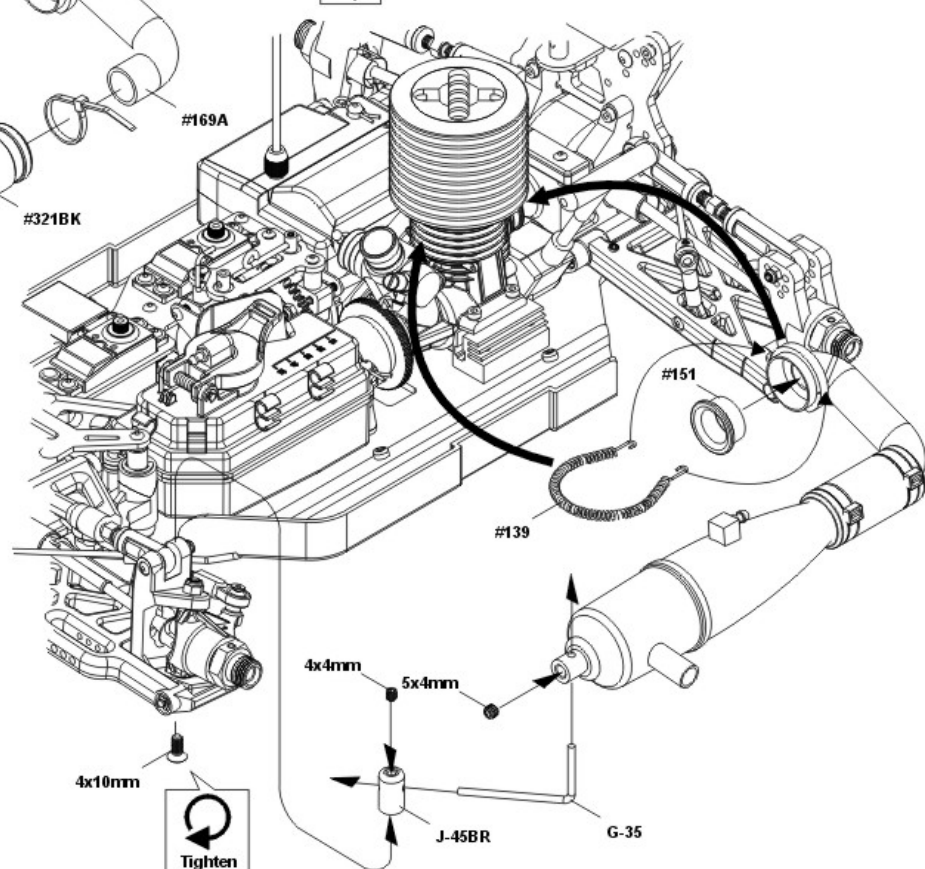
34 ASSEMBLY OF THE MUFFLER INTO ENGINE

組合排氣管至引擎

Step 1

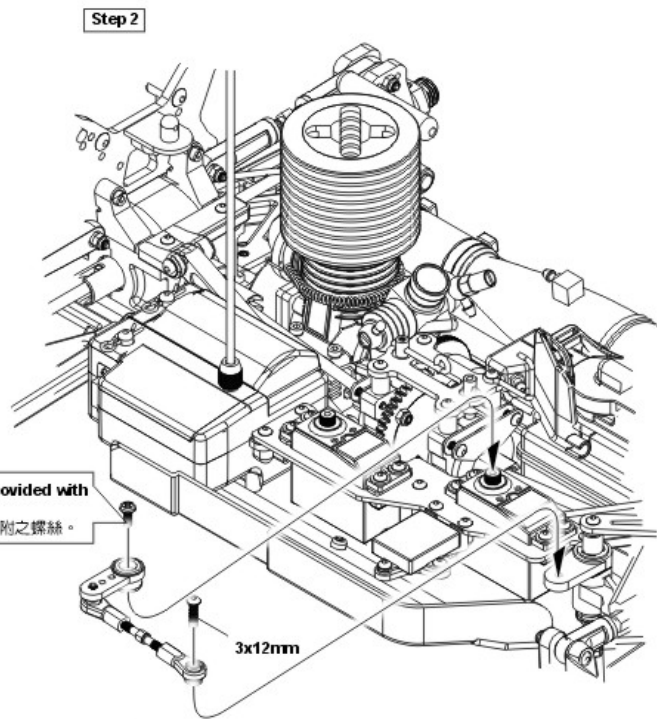
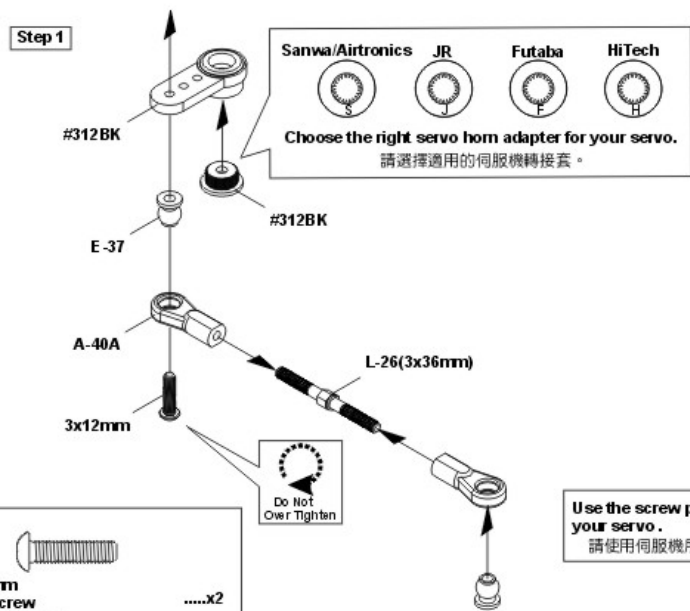


Step 2

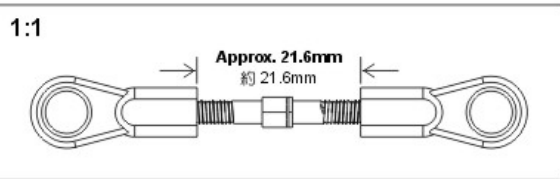


35 ASSEMBLY OF THE FRONT STEERING ROD

組合轉向拉桿

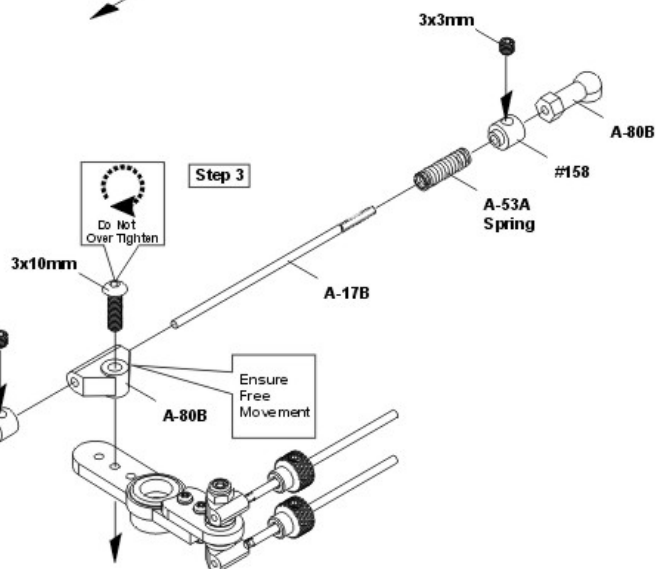
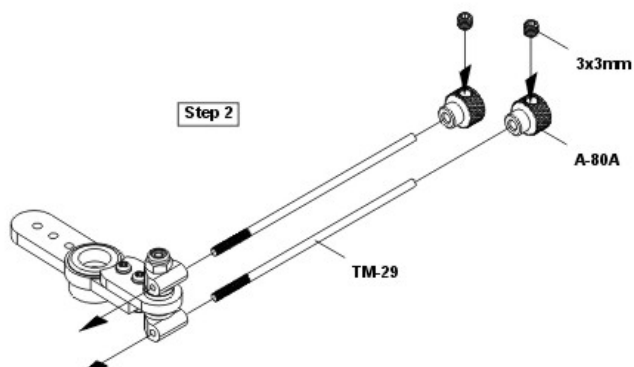
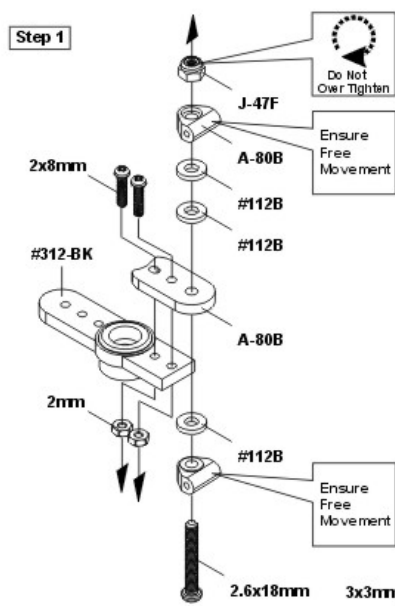


- 3x12mm Hex Screwx2
半丸內六角螺絲
- E-37 6mm Ball and socketx2
球型座
- L-26 3x36mm Turnbucklex2
正反牙桿



36 ADJUSTING THE ENGINE CONTROL LINKAGES

油門/煞車拉桿組調整



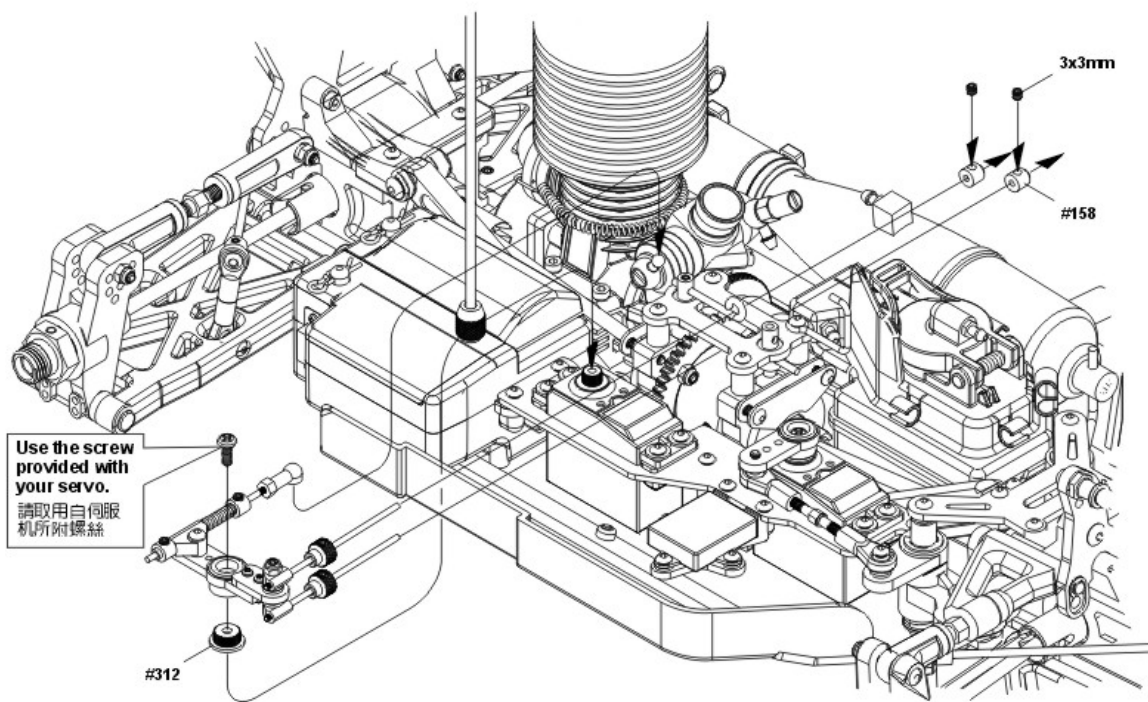
Cut off the servo saver as shown.
請依圖示剪裁伺服機片。



- 2mm Nutx1
螺帽
- J-47F Nylon Nutx1
尼龍螺帽
- M3x3 Set Screwx3
止付螺絲
- 2x8mm Hex Screwx2
丸十字螺絲
- 2.6x18mm Hex Screwx1
丸十字螺絲
- 3x10mm Hex Screwx2
半丸內六角螺絲

37 ASSEMBLY OF THE BRAKE LINKAGE INTO BRAKE LEAVE

組合煞車調整組與油門伺服器盤



M3x3
Set Screwx2
止付螺絲

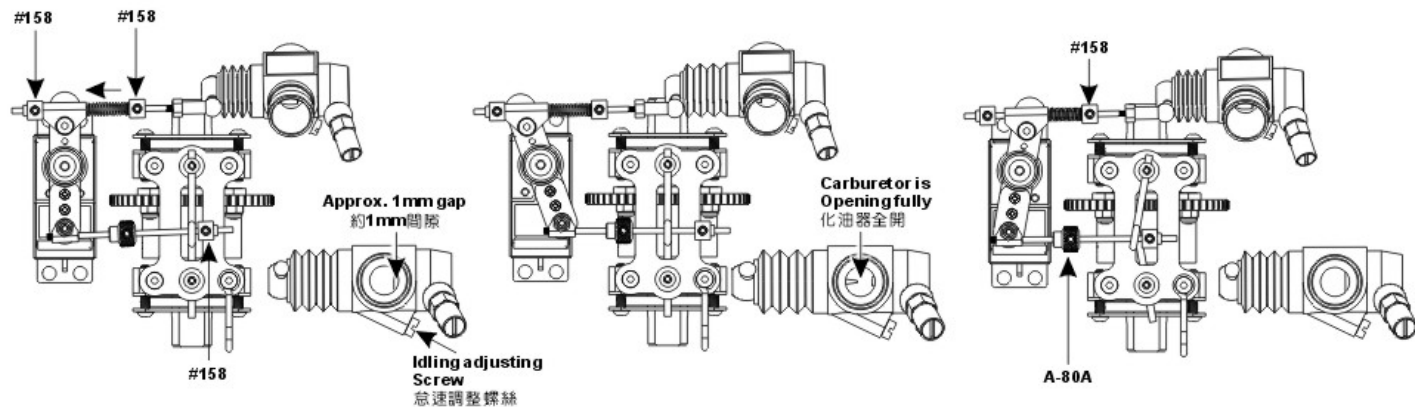
38 ADJUSTING THE ENGINE CONTROL LINKAGES

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 at the neutral position.
- * Adjust the idling adjusting screw on the Carburetor to be open approx. 1mm gap.
- * Adjust both #158 Engine Control and Brake linkage accordingly.
- * DO NOT adjust Control linkage with the engine running.

- * 開啟遙控器和接收機的電源並且調整伺服機片在中立位置
- * 調整怠速螺絲使化油器開口約1mm間隙。
- * 相互對照調整在油門滑座及煞車拉桿上的 #158 鉛輪檔位置。
- * 調整引擎運轉位置時，引擎不可以發動。

- * Adjust the Servo-Horn mounting position for the Carburetor to be full 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 End Point Knob to the correct position.

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

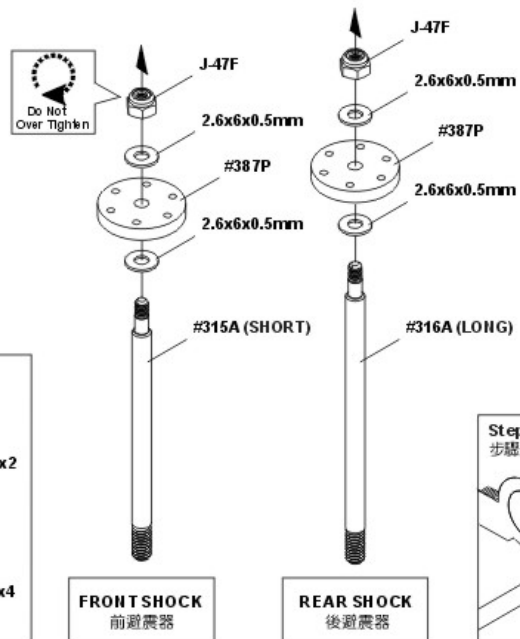
- * Adjust #158 so the brakes work smoothly.
- * If the brakes apply too much or not enough, adjust A80A accordingly. Or if available on the Transmitter, adjust the Brake End Point.
- * Adjust the upper and lower A-80A to Change the front or Rear Brake.

- * 調整彈簧鉛輪檔使煞車動作滑順。
- * 如果煞車不足或過度，請適度調整#158鉛輪檔位置，或是遙控器有煞車行程調整功能，也可使用調整煞車位置。
- * 調整上方及下方連桿的A-80A調整鉛輪，改變前/後煞車利度。

39 ASSEMBLY OF THE SHOCKS

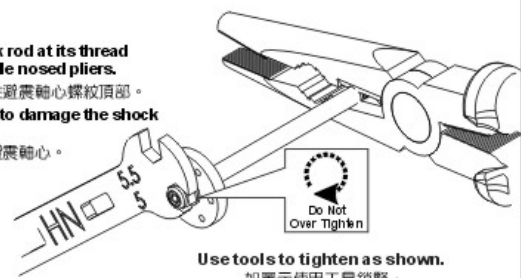
組合避震器

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



Step detail 步驟細節

- Hold the shock rod at its thread with side 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。

- 2.6mm Nylon Nut 尼龍螺帽x2
- 2.6x6x0.5mm Washer 墊片x4

FRONT SHOCK
前避震器

REAR SHOCK
後避震器

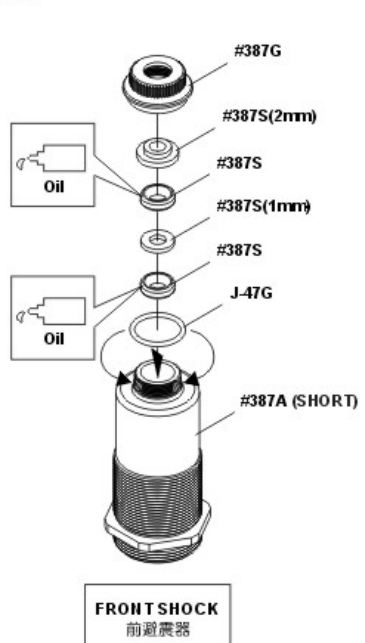


40 ASSEMBLY OF THE SHOCKS

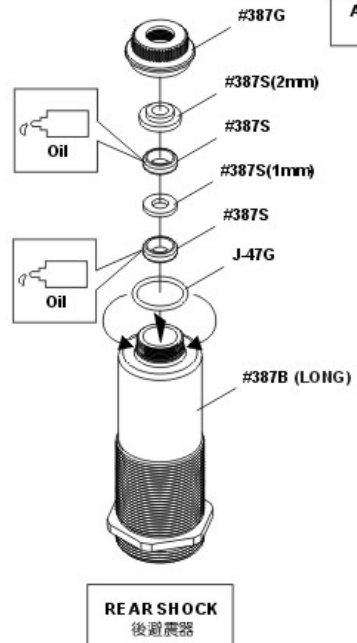
組合避震器

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

- #387S 1mm Washer 墊片x4
- #387S 2mm Washer 墊片x4
- #387S 3.5mm O-Ring O型環x8
- J-47G P10 O-RING O型環x4



FRONT SHOCK
前避震器

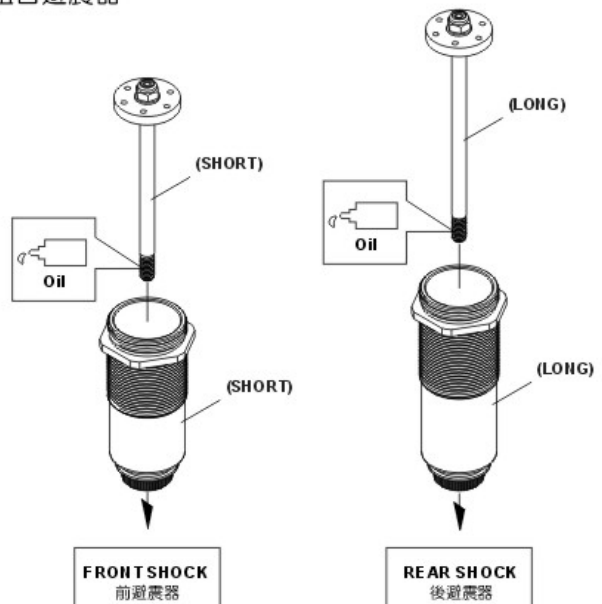


REAR SHOCK
後避震器

41 ASSEMBLY OF THE SHOCKS

組合避震器

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

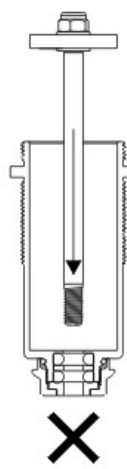


FRONT SHOCK
前避震器

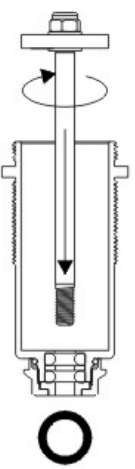
REAR SHOCK
後避震器

! 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。



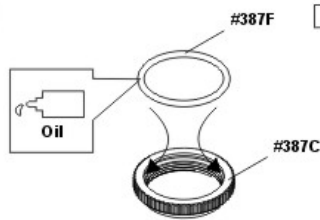
Slowly twist the shock shaft down to the bottom.
組裝時避震軸心應該旋轉穿過避震套筒底部。



42 ASSEMBLY OF THE SHOCKS

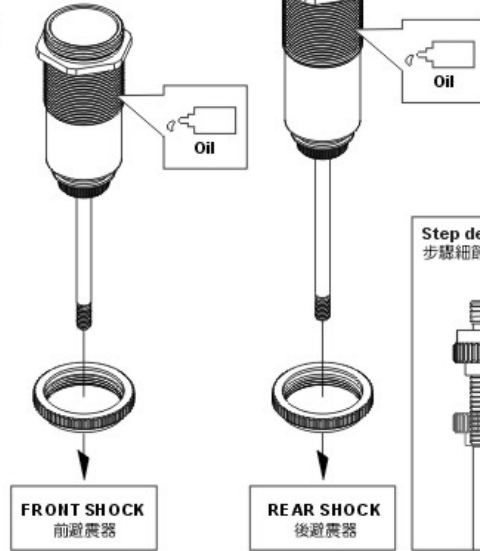
組合避震器

Step 1



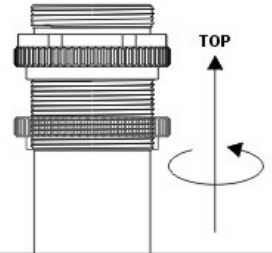
Fit the o-ring into groove before assembly.
將O環預先裝入調整環的溝槽內

Step 2



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

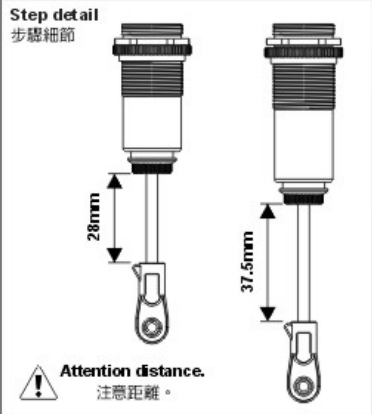
Step detail
步驟細節



#387F
P10 O-RING
O型環X4

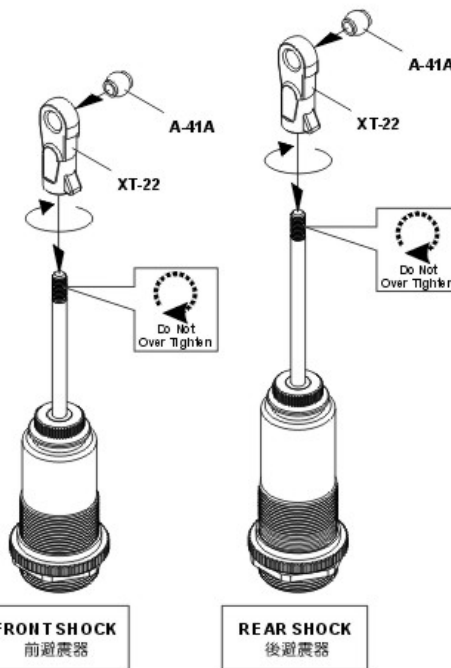
43 ASSEMBLY OF THE SHOCKS

組合避震器

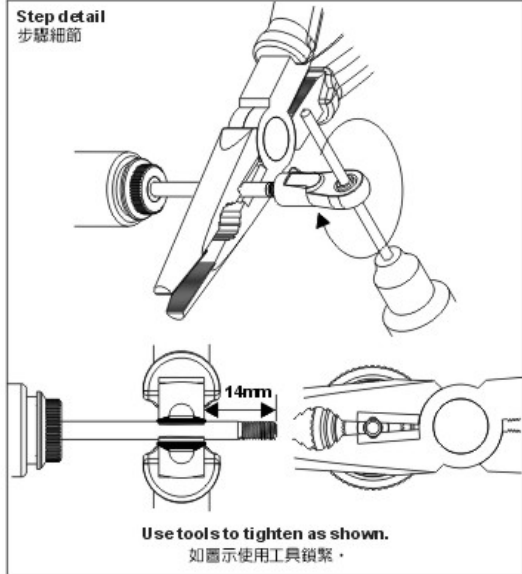


Attention distance.
注意距離。

A-41A
6mm Ball
球型X4



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



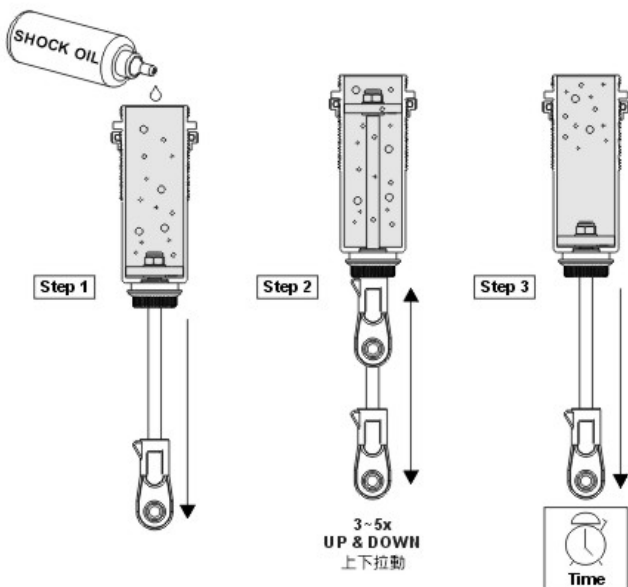
Step detail
步驟細節

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

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

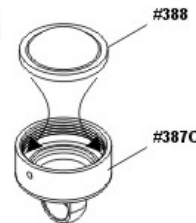
Step 2

Step 3

3~5x
UP & DOWN
上下拉動

Time

Step 4

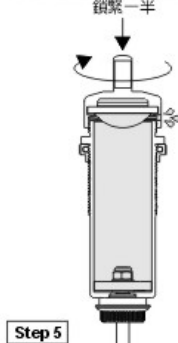


Step detail
步驟細節



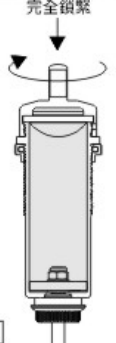
- Leave the filled shock vertically for several minutes with the shock shaft fully extended.
將避震軸心下拉到底垂直放置幾分鐘。
- The remaining air bubbles will release.
剩餘空氣泡會消散。

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

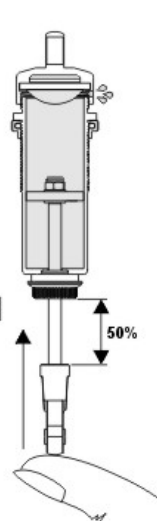
TIGHTENED 100%

完全鎖緊

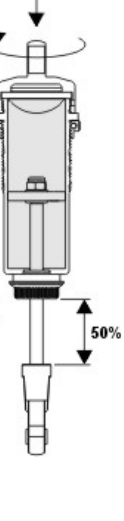
Step 1



Step 2



Step 3



TIGHTENED HALF WAY 50%

鎖緊一半

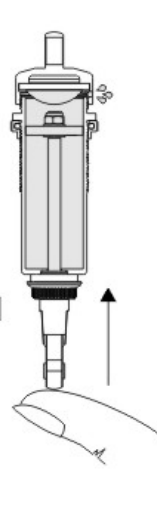
TIGHTENED 100%

完全鎖緊

Step 1



Step 2

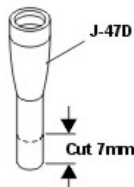


Step 3

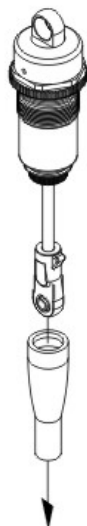


46 ASSEMBLY OF THE SHOCKS SPRING
 組合避震器彈簧

Step 1



Step 2

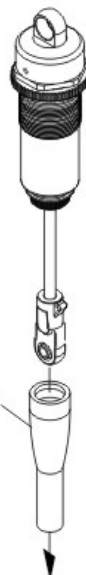


Step 3



FRONT SHOCK
前避震器

Step 1



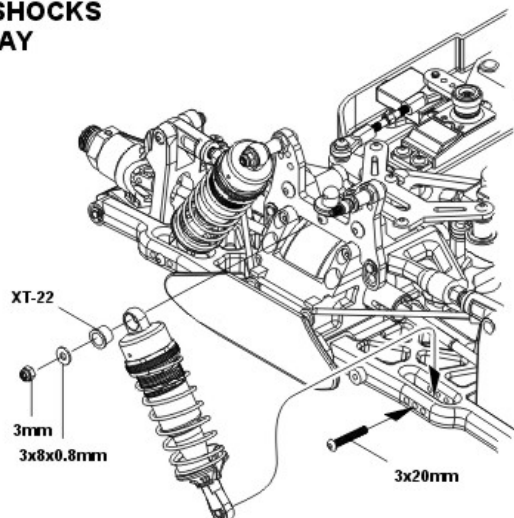
Step 2



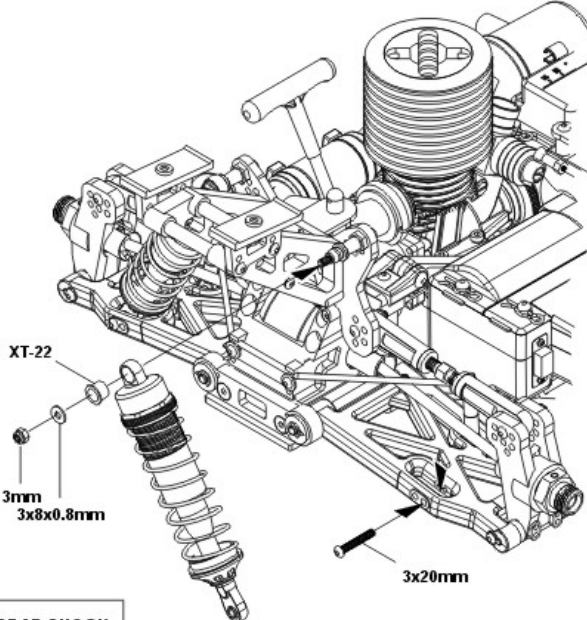
REAR SHOCK
後避震器

47 ASSEMBLY OF THE SHOCKS INTO THE SHOCK STAY
 組合避震器至油壓架

- 3mm Nylon Nutx4
尼龍螺帽
- 3x8x0.8mm Washerx4
墊片
- 3x20mm Hex Screwx4
半丸內六角螺絲

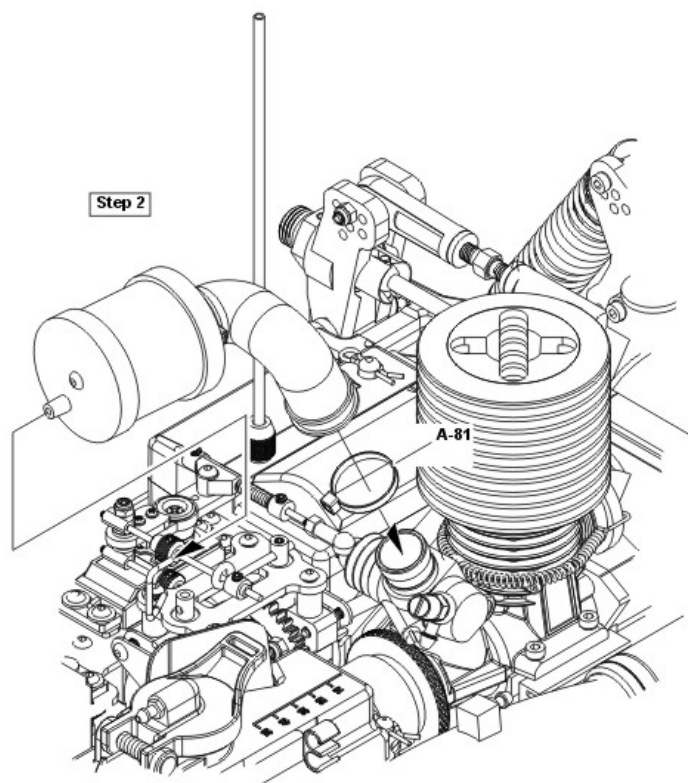
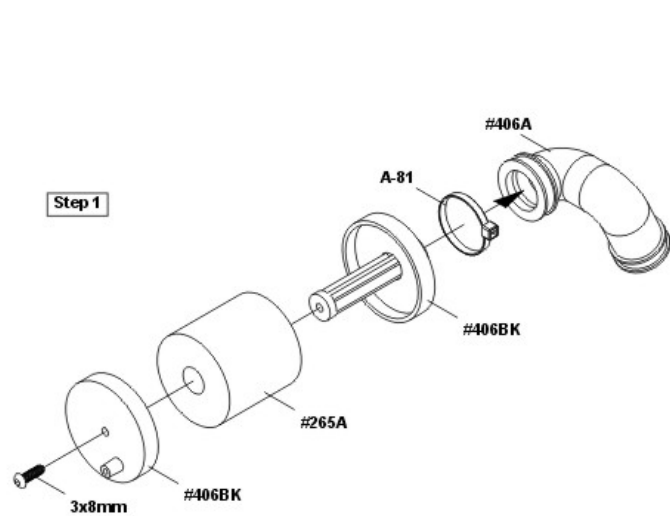


FRONT SHOCK
前避震器

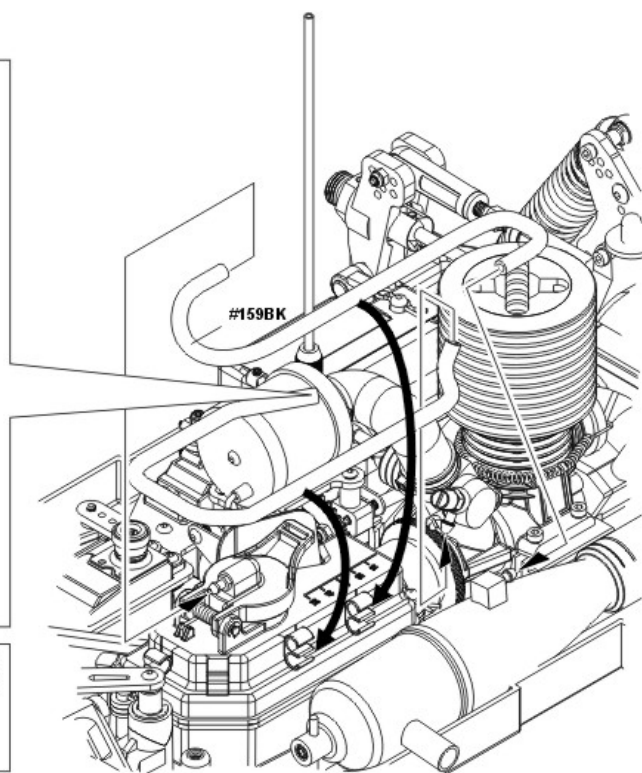
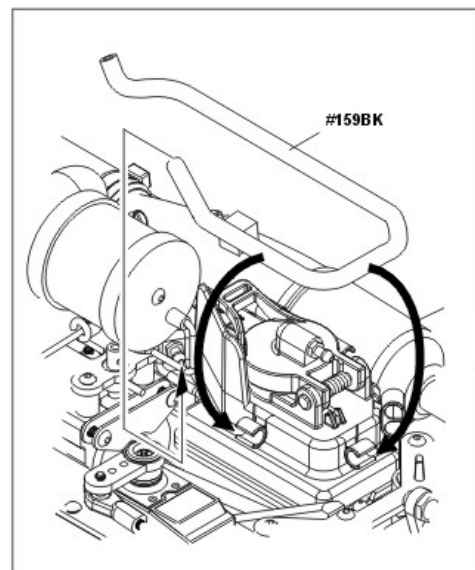


REAR SHOCK
後避震器

48 ASSEMBLY OF THE AIR FILTER 組合空氣濾清器



49 ASSEMBLY OF THE FUEL TUBE 組合油管

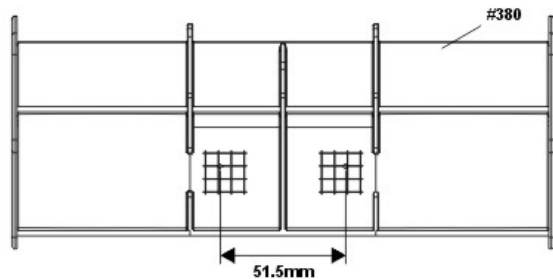


*Cut the fuel tube depending on engine and muffer used. Use the clips on the top of fuel tank to hold the tubes together.

*油管的長度取決於使用的引擎及排氣管，使用油箱零件所附油管夾將油管夾住。

50 ASSEMBLY OF THE WING 組合定風翼

Step 1



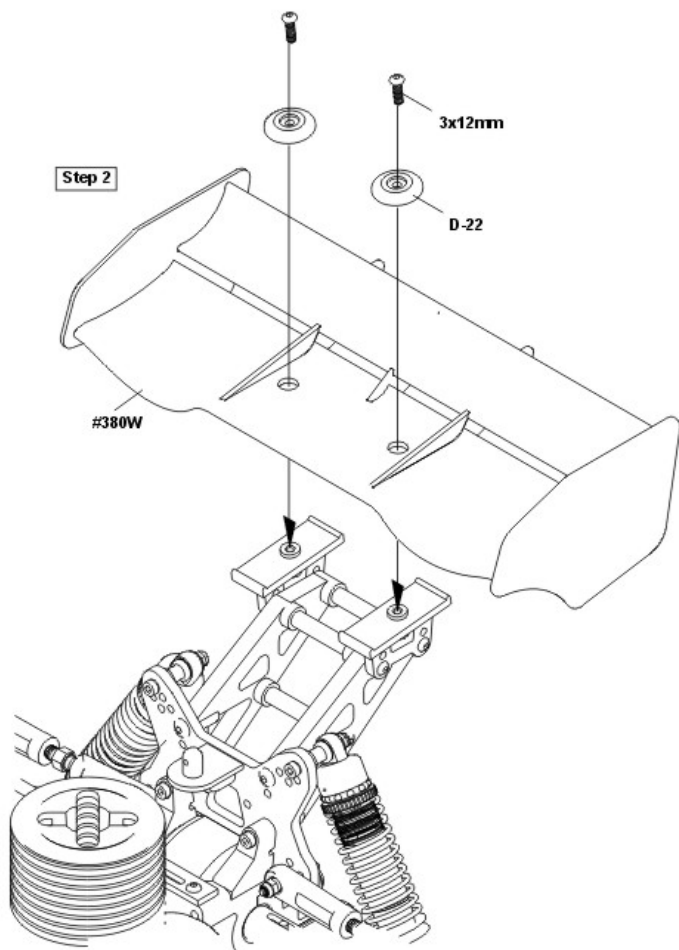
Check the hole spacing on the underside.
依據定風翼背面指示尺寸做出正確孔位。

Drill two 7mm holes
for mounting.
在指示位置使用鑽
孔器鑽出7mm孔。



3x12mm
Hex Screwx2
半孔內六角螺絲

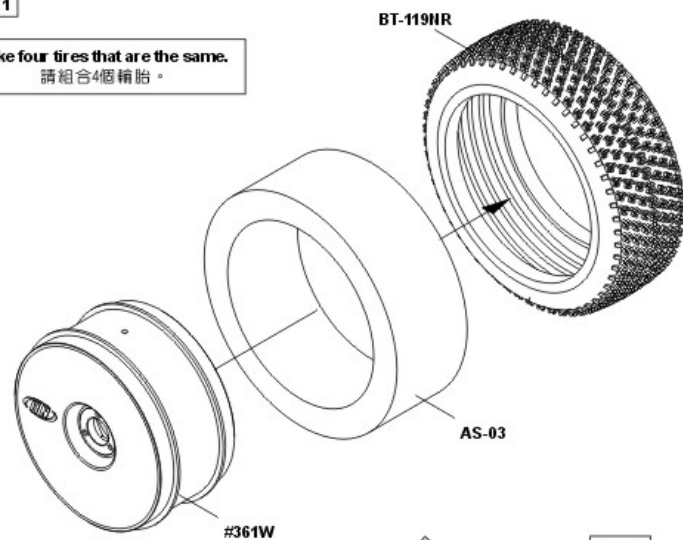
Step 2



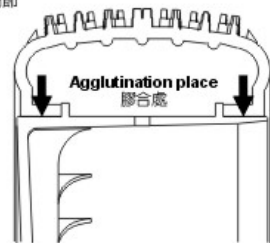
51 ASSEMBLY OF THE TIRES AND WHEELS 組合輪胎與輪框

Step 1

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



Step detail
步驟細節



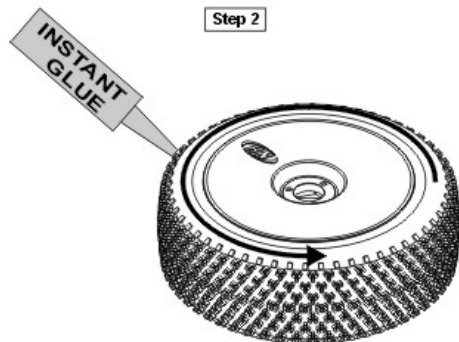
●Use "Instant glue" and draw a line around the rim where it attaches the tire. When it is dry glue the other side of the rim.

請在輪胎與輪框接合處用「瞬間膠水」粘合。並等其乾固之後再粘另一面。

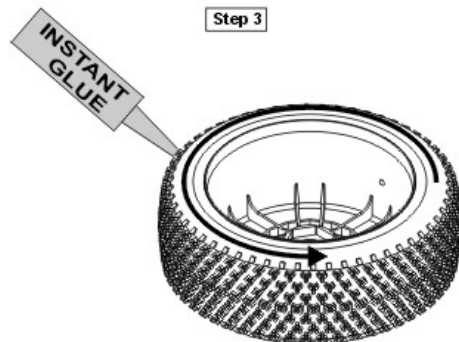
●Repeat the step and ensure the rim and tire are fully glued.

請重複步驟確定輪胎與輪框完全粘合，以避免脫落。

Step 2

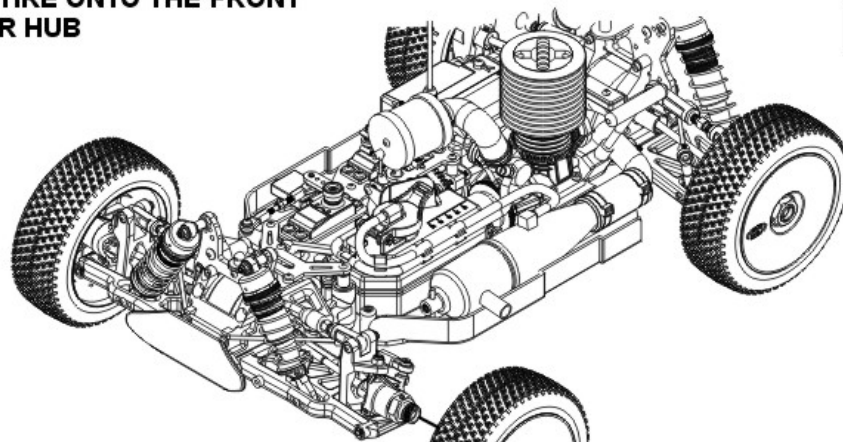


Step 3

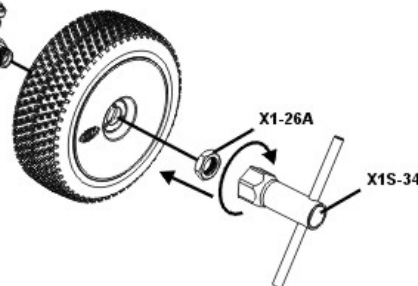


51 ASSEMBLY OF THE TIRE ONTO THE FRONT KNUCKLE AND REAR HUB
組合輪胎至車體

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



X1-26A
Wheel Nut
鋁六角螺帽x4

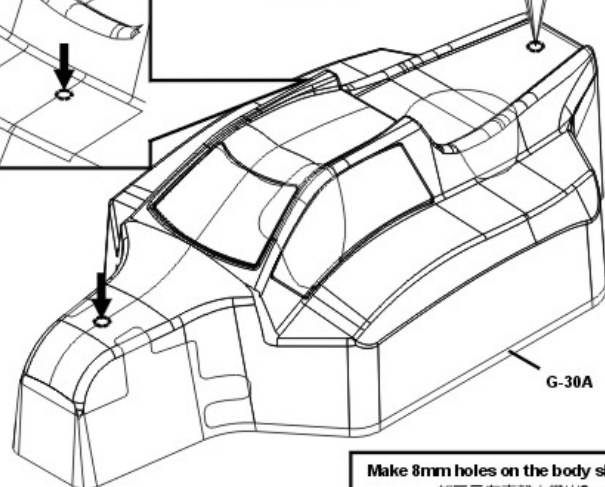


To tighten the Wheel Nut you can also use 17mm Wheel Nut Tool.(X1S-34)
你可以使用17mm六角套筒板手鎖緊輪胎螺帽。(X1S-34)

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

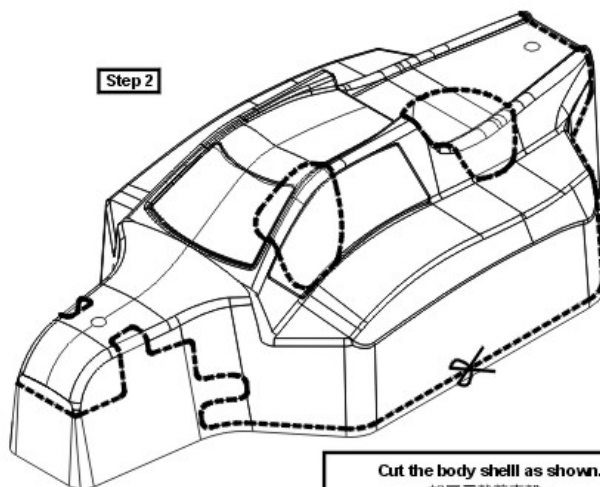
Step 1

Body Reamer (not included)
車殼鑽孔器(另購)



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

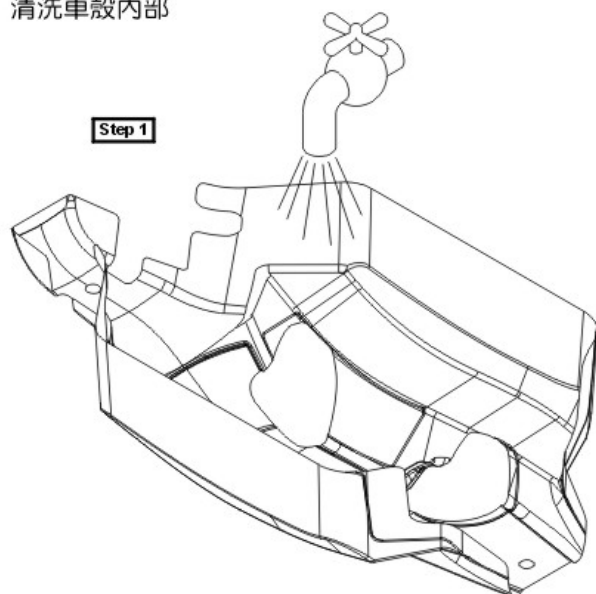
Step 2



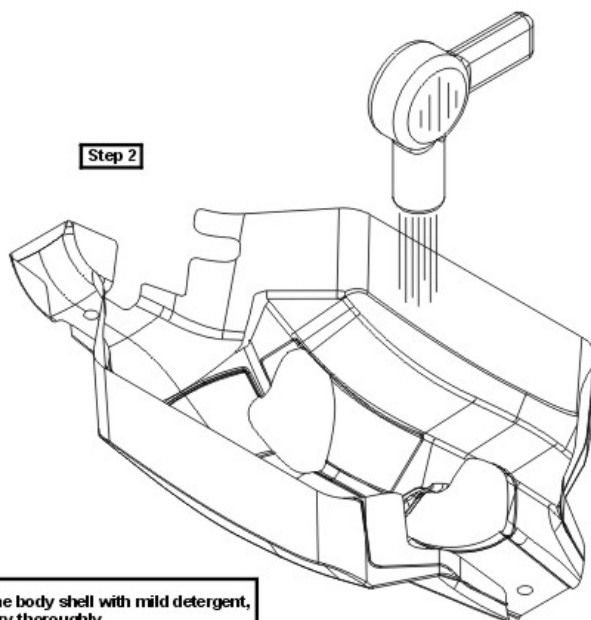
Cut the body shell as shown.
如圖示裁剪車殼。

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。

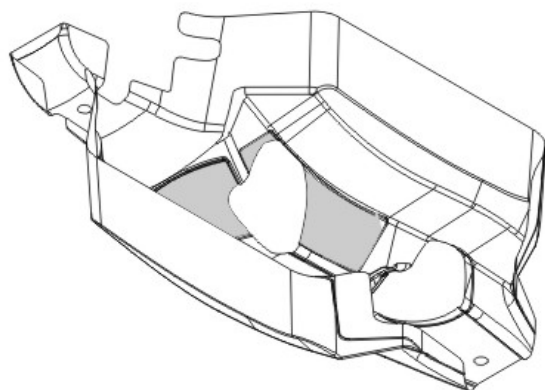
52 PAINTING BODY SHELL

塗裝車殼

Step 1

Mask the windows on the inside with masking tape.

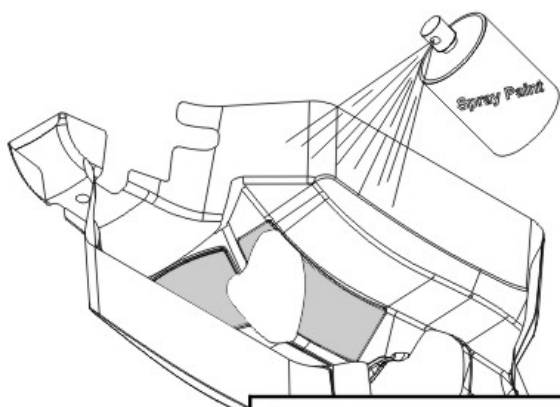
使用車窗覆蓋紙由內面貼上車窗部份。



Step 2

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。

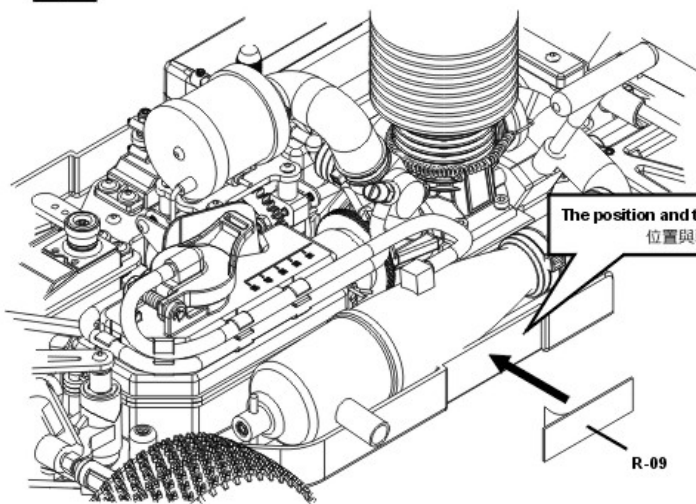
53 ATTACH THE VELCRO ON THE BODY PLANK AND BODY SHELL INSIDE

黏貼魔鬼氈在車殼固定板上與車殼內部

Assemble both left and right sides.

請組合左/右兩側。

Step 1

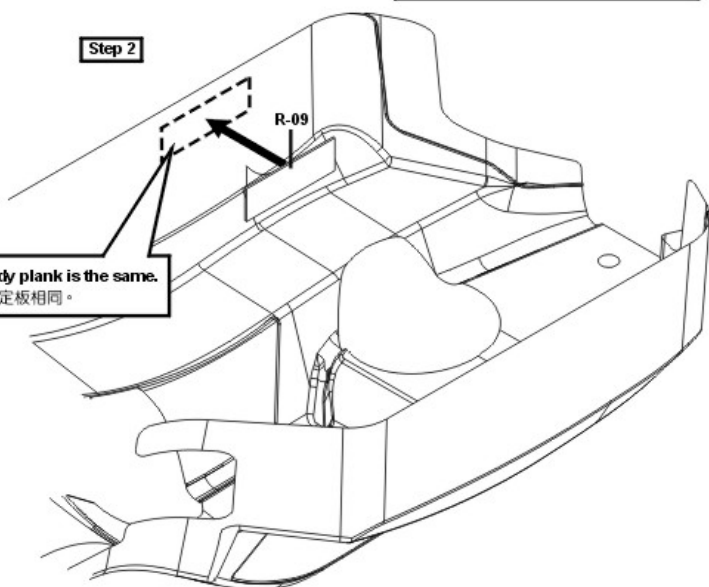


The position and the body plank is the same.

位置與車殼固定板相同。

R-09

Step 2

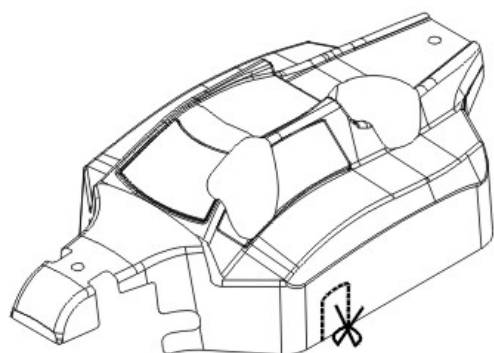


R-09

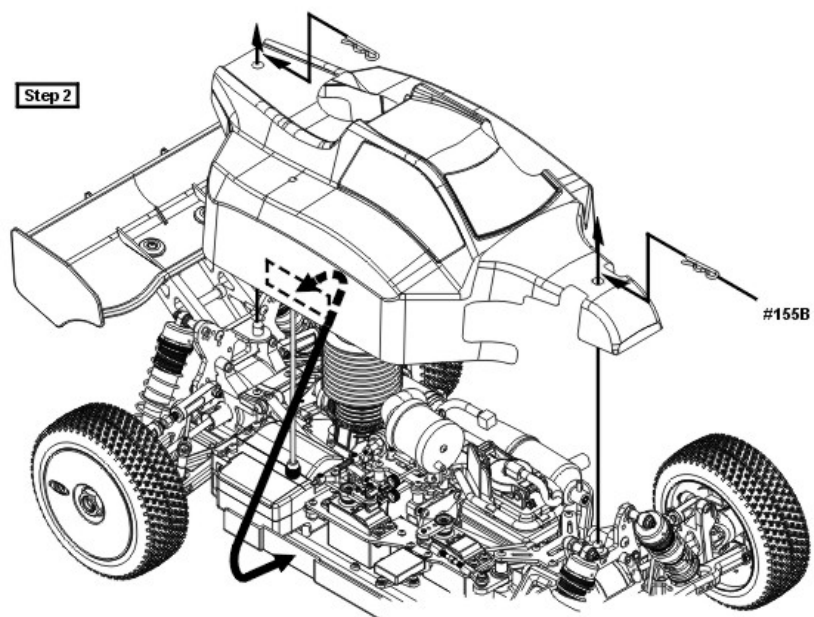
54 MOUNTING THE BODY SHELL

安裝車殼

Step 1

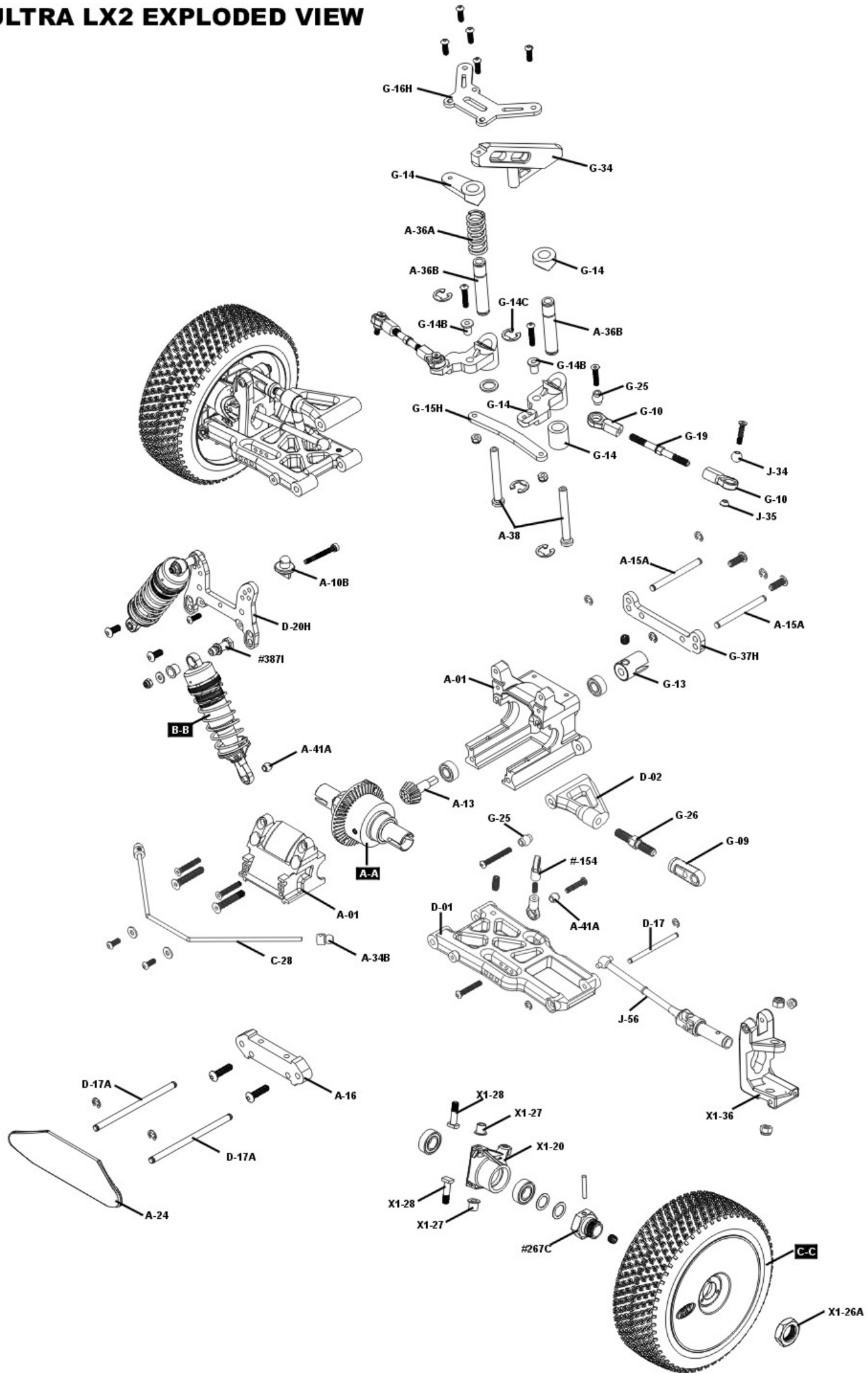


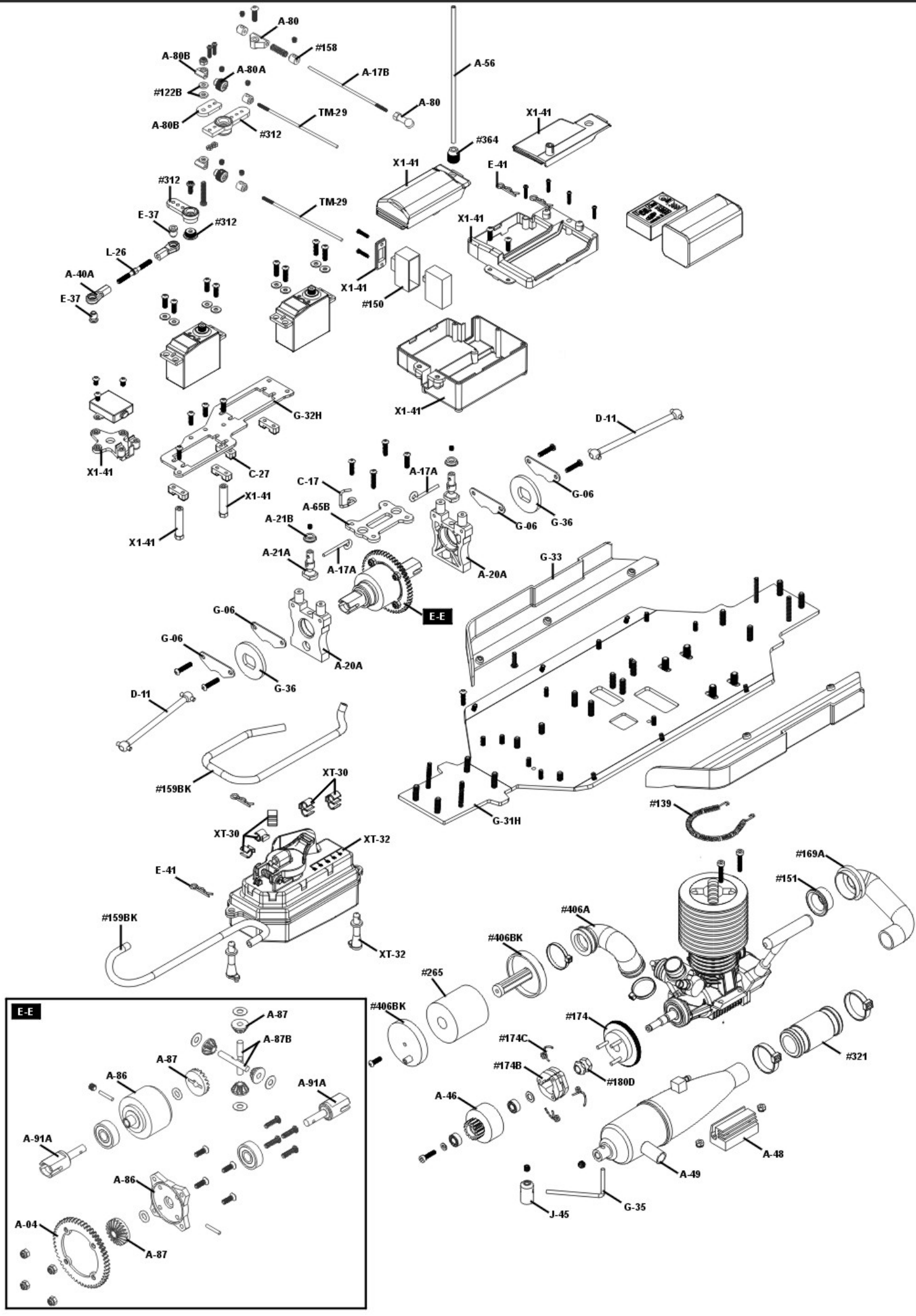
Step 2

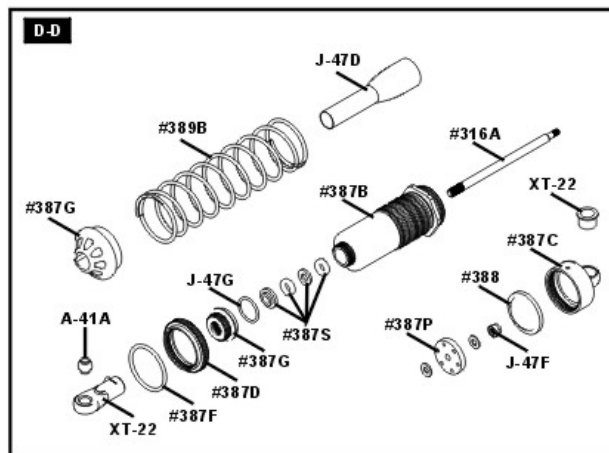
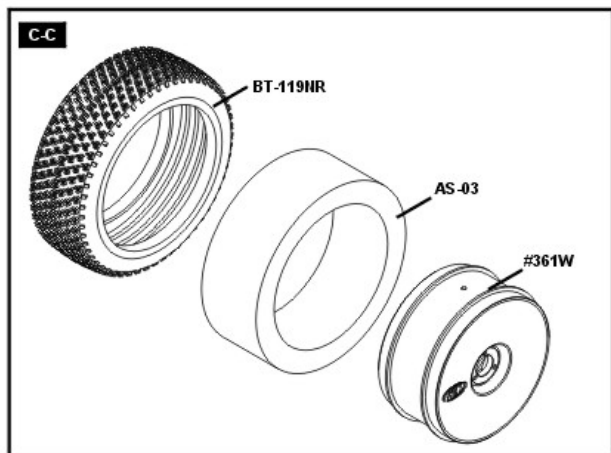
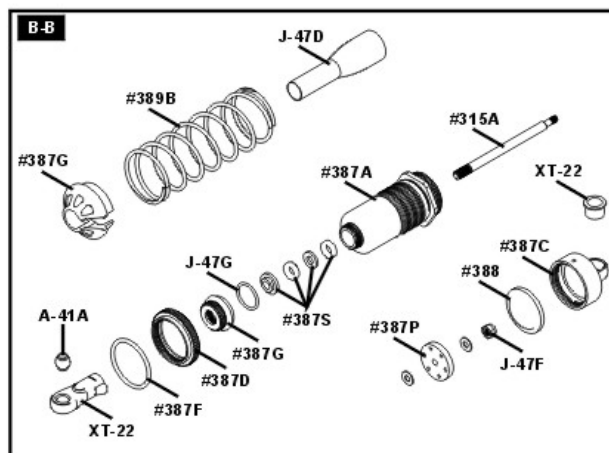
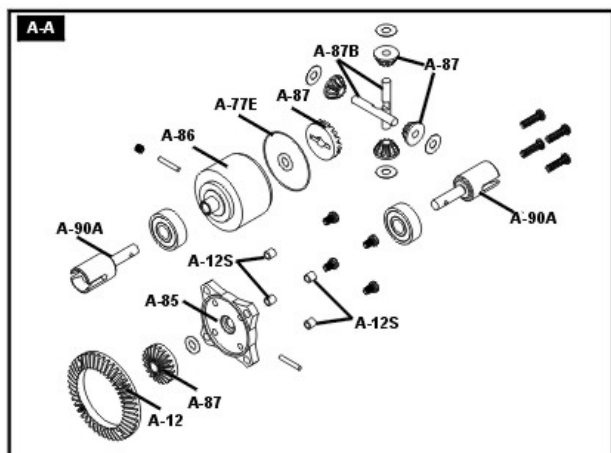
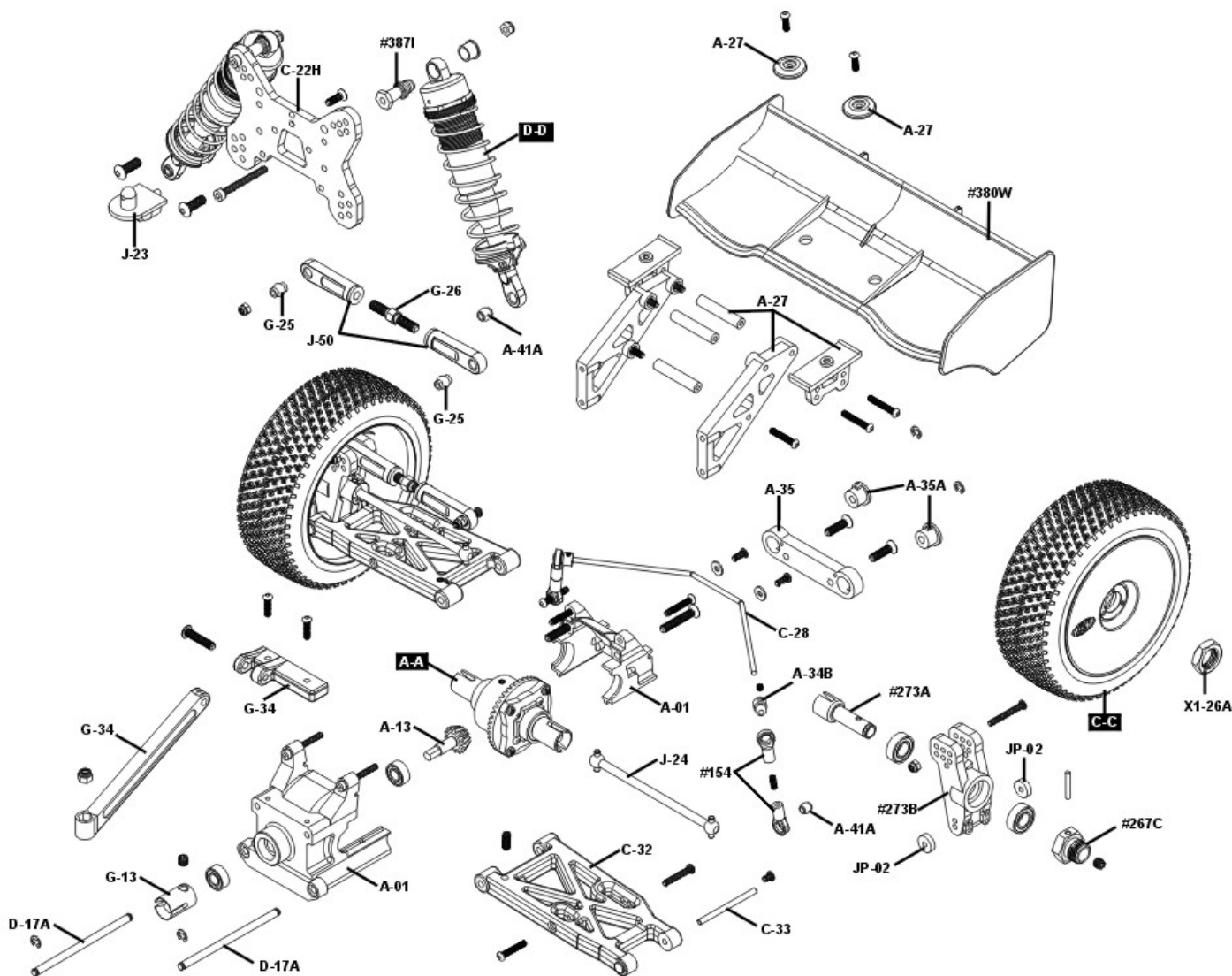


#155B

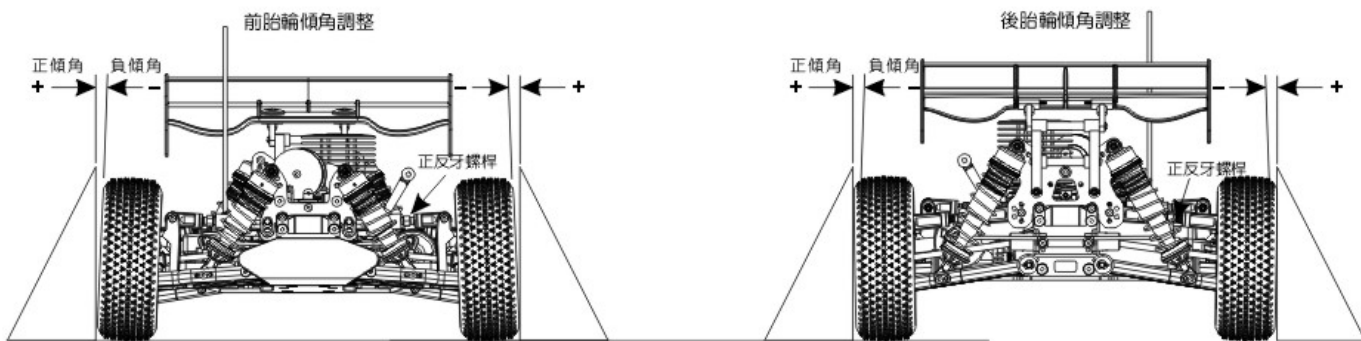
ULTRA LX2 EXPLODED VIEW





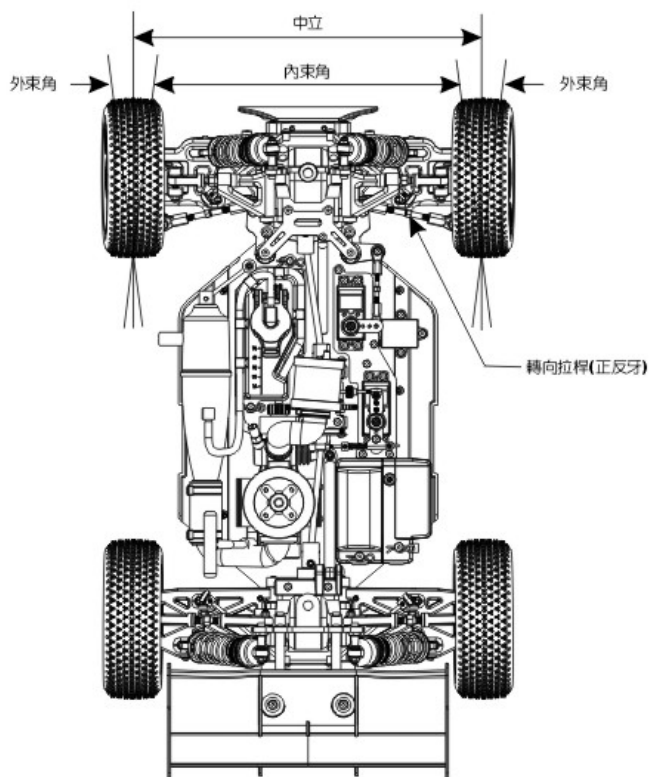


輪胎角度設定



- 將車體放置在平整表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

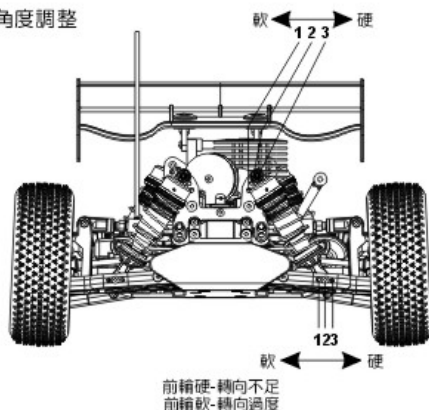


改變前輪轉向拉桿之長度可以改變前輪“內束角”與“外束角”。

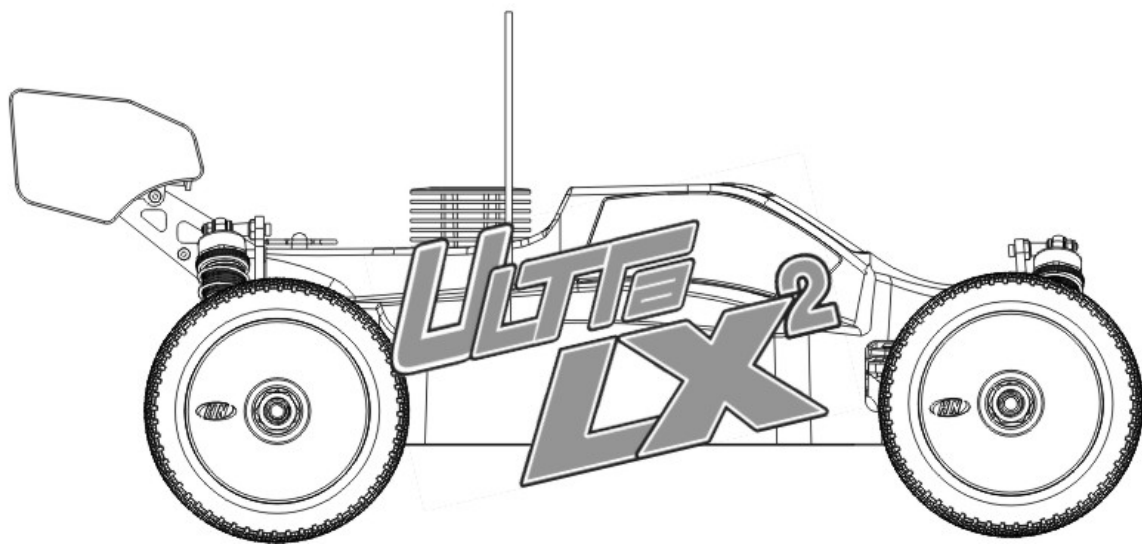
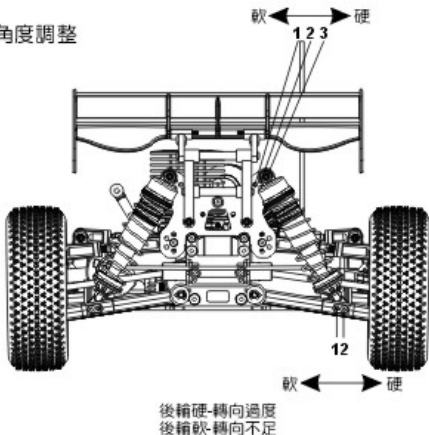
1. 將前輪轉向拉桿加長, 前輪會變成內束角。此時轉向反應會變慢, 並且有轉向過度情形產生。
2. 將前輪轉向拉桿變短, 前輪會變成向外束角。此時轉向反應會變快, 並且有轉向不足情形產生。

- 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, 懸吊反應變軟。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

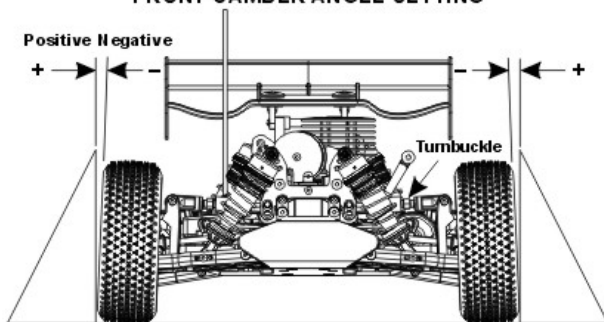


後油壓避震器角度調整



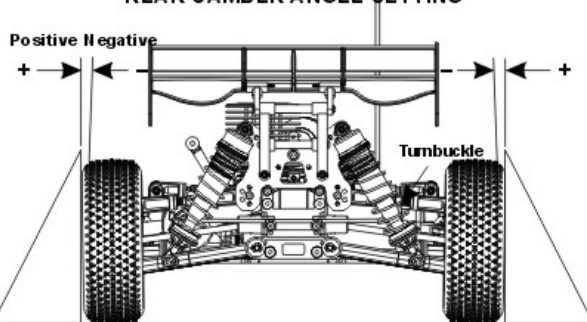
SETTING GUIDE

FRONT CAMBER ANGLE SETTING

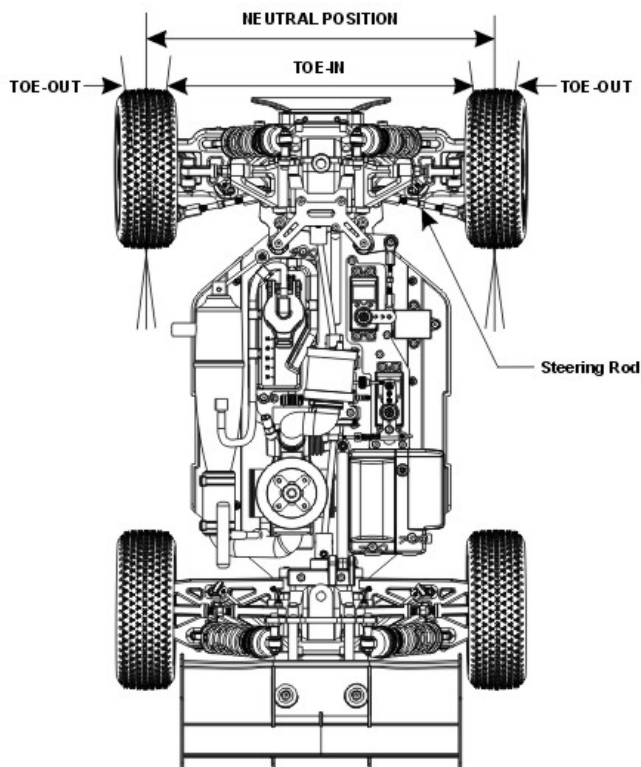


- Place the model car on flat surface. Raise the chassis to its maximum clearance before the wheels leave the ground.
- Adjust the length of the front and rear upper arms so that the wheels are vertical to the ground.
- Adjust the camber angle by turning the turnbuckle rod on the upper arms clockwise or anti-clockwise. (We suggest to use zero degree for the front and 1.5 degree negative for the rear.)

REAR CAMBER ANGLE SETTING



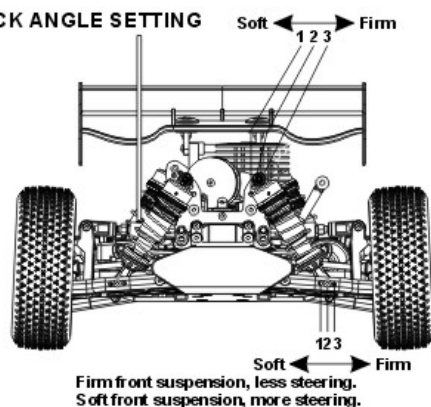
FRONT TOE-IN AND TOE-OUT SETTING



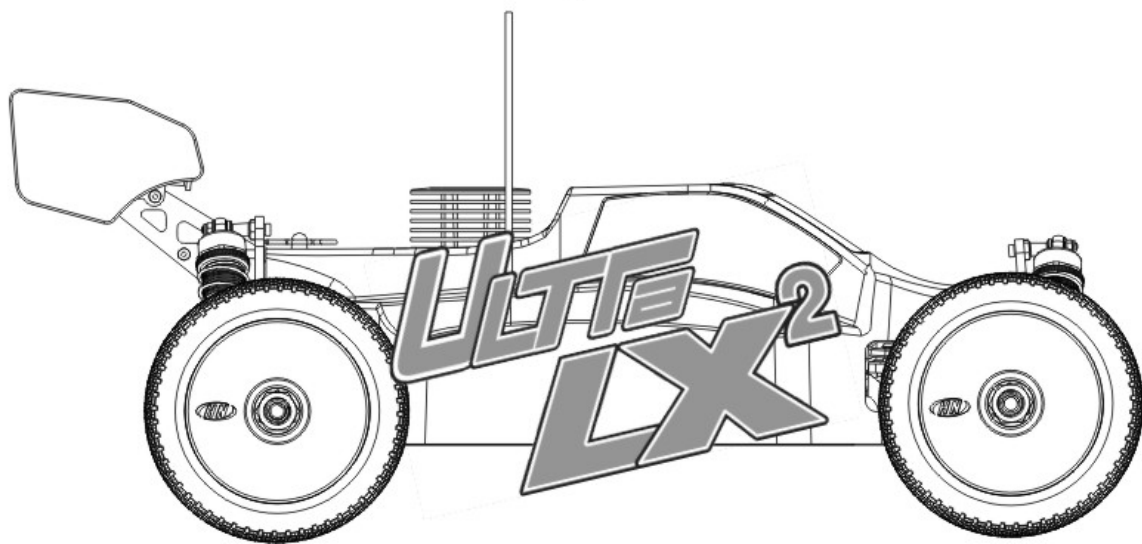
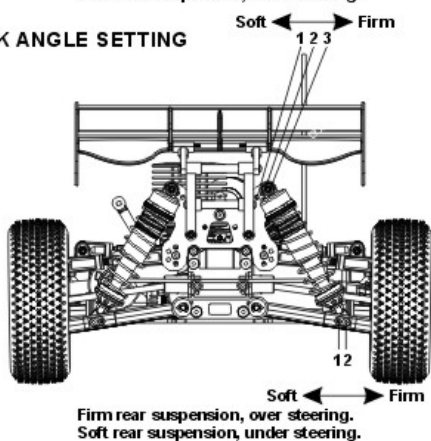
- Adjust the length of front steering rod to change the toe angle.
- Making the tie rod longer will make front tires change into toed in. Response will be slower and may over steer.
- Making the tie rod shorter will make front tires change into toed out. Response will be quicker and may under steer.

- 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





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