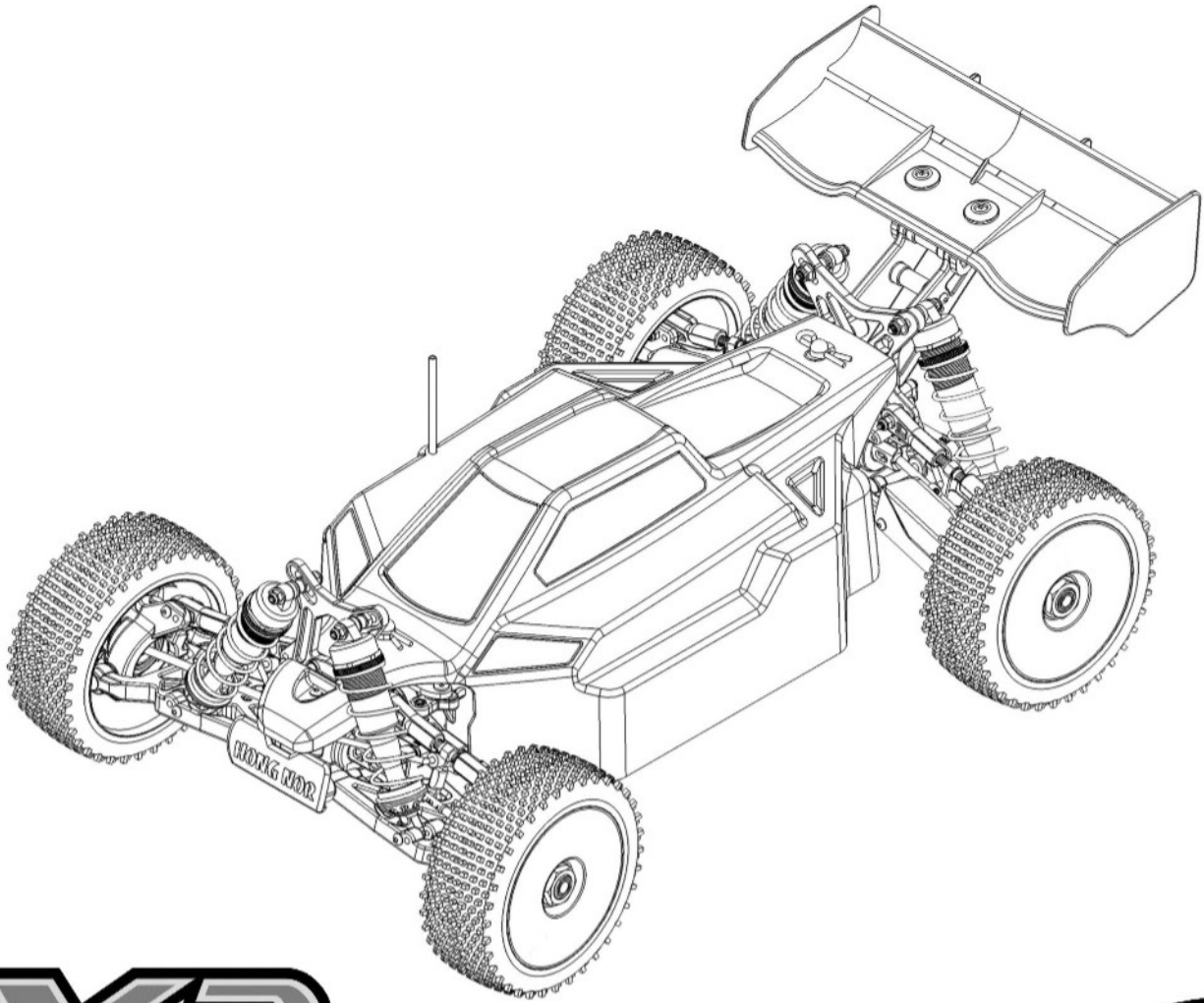


1/8TH SCALE ELECTRIC POWERED OFF-ROAD BUGGY



X3 SABRE E

INSTRUCTION MANUAL

FEATURES

- LIGHT WEIGHT FRONT, REAR AND CENTER DIFFERENTIALS.
- COMPLETE SET OF LIGHT WEIGHT OUT DRIVES.
- 7075 CNC 5MM ALUMINIUM FRONT AND REAR SHOCK TOWERS.
- FULL TRAVEL FRONT AND REAR SUSPENSION.
- REDESIGN STEERING SYSTEM WITH ACKERMAN.
- SOLID CONSTRUCTED ARMS AND CAMBER LINKS.
- STEEL CAPTURED HINGE PINS.
- 7075 CNC ARM HOLDER AND TOE PLATE.
- 7075 CNC FRONT REAR CHASSIS BRACES.
- 7075 3MM LIGHTENED CHASSIS WITH COUNTERSUNK SCREWS.
- VERSION 2 BIG BORE SHOCKS.
- TWO SETS OF SHOCK SPRINGS.
- SPECIAL CAPPED CENTER DRIVELINE.
- SMALL FRONT AND REAR GEAR CASE WITH SWAY BAR MOUNT.
- EQUIPPED WITH TWO SETS OF FRONT AND REAR SWAY BARS.
- ADJUSTABLE TURNBUCKLES AND LIGHTENED CAMBER LINKS.
- COMPLETE HIGH PERFORMANCE BEARING SET.
- FRONT AND REAR CHASSIS KICK UP (PATENTED).
- COMPOSITE STONE GUARDS AND REAR MUD DEFLECTORS.
- HIGH IMPACT DOWN FORCE WING.
- LIGHT WEIGHT INUP WHEELS WITH TIRES.
- CLEAR CAB FORWARD BODY FOR EXCELLENT HANDLING.

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

INCLUDED ITEMS

附帶用品



7000wtg 5000wtg 2000wtg
差速器砂油



45wtg 55wtg
避震器砂油



1.5mm Allen Wrench
1.5mm 內六角板手



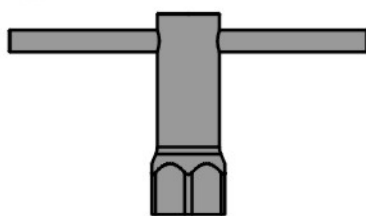
2mm Allen Wrench
2mm 內六角板手



2.5mm Allen Wrench
2.5mm 內六角板手



3mm Allen Wrench
3mm 內六角板手



17mm Wheel Nut Tool
輪胎拆除六角板手



Turnbuckle Wrench
六角板手

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 Drivers
螺絲起子



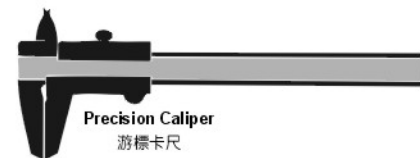
Screw Cement
螺絲膠



Cutter
斜口鉗



Craft Knife
美工刀



Precision Caliper
游標卡尺



Spray Paint
模型用噴漆



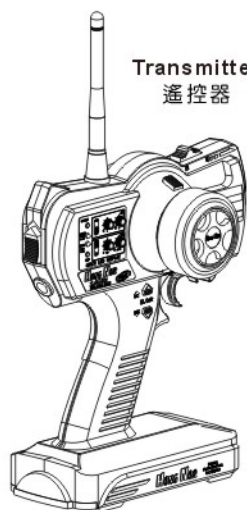
Instant Cement
3秒瞬間膠水



Gear Grease
齒輪潤滑油膏

Equipment Needed

另購品



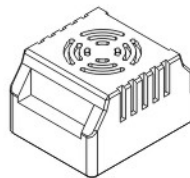
Transmitter
遙控器

Servo
伺服器

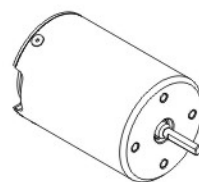
Receiver
接收器



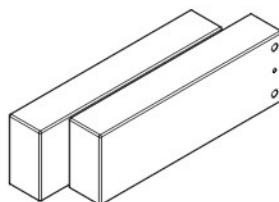
UM-3 Batteries
(8pcs)
3號乾電池 (8顆)



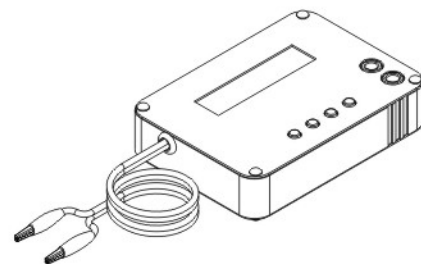
Brushless Electric
Speed Controller
無刷式電子變速器



Brushless Motor
無刷馬達



7.4V Li-Po Battery (Hard Case)
7.4V 鋰充電電池組(硬殼)



Li-Po Battery Charger
鋰電池專用充電器



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碾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. Battery Safety

電池安全

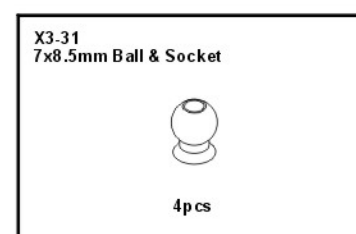
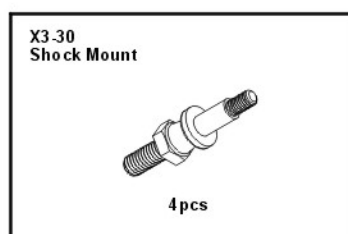
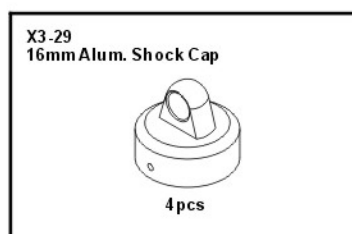
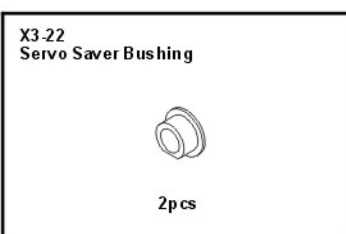
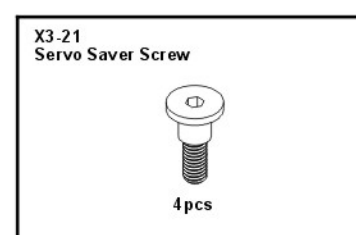
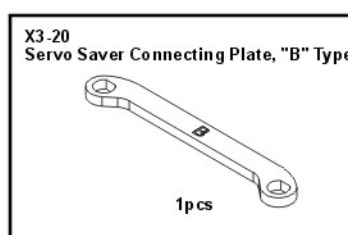
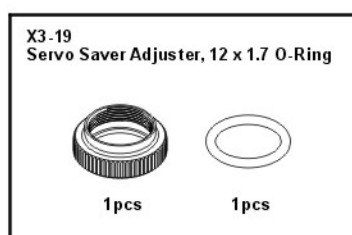
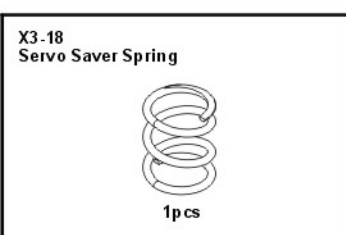
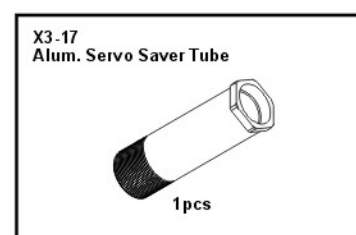
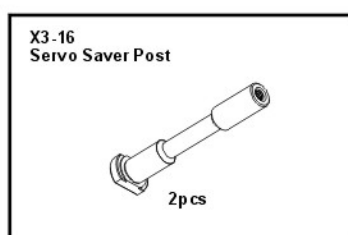
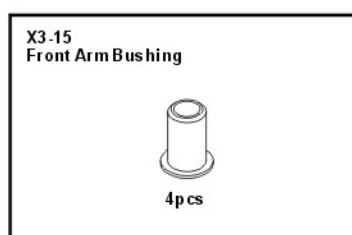
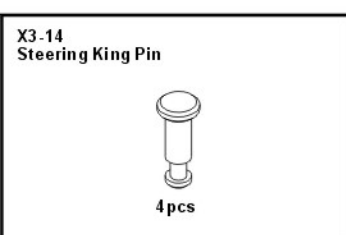
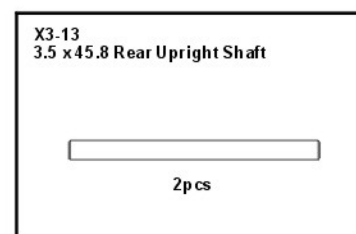
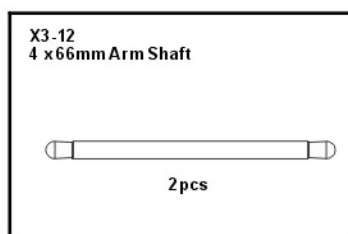
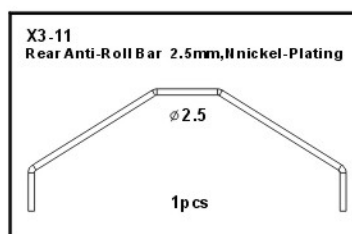
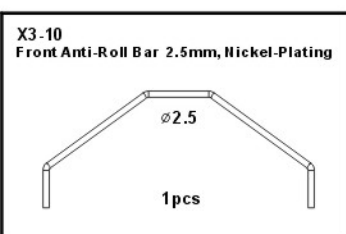
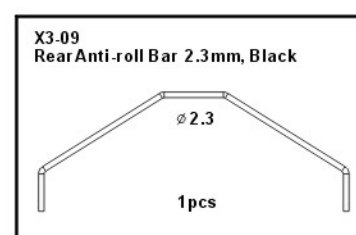
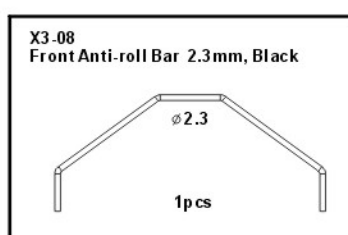
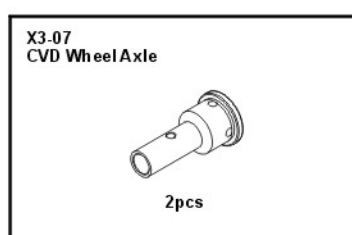
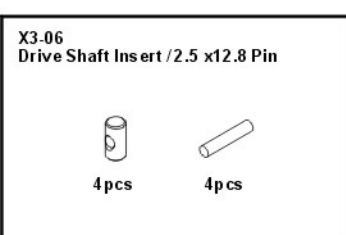
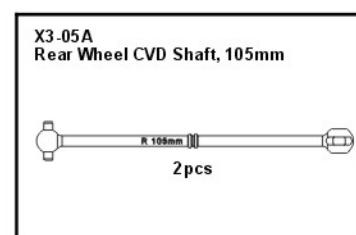
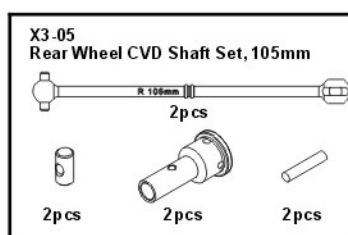
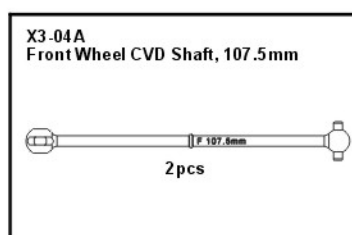
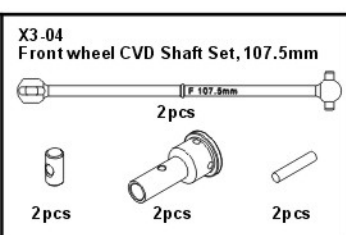
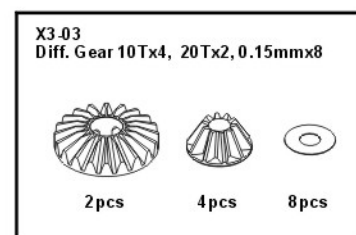
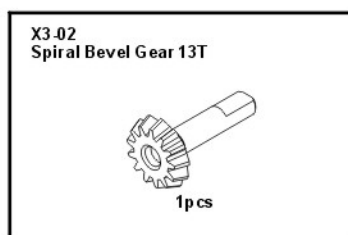
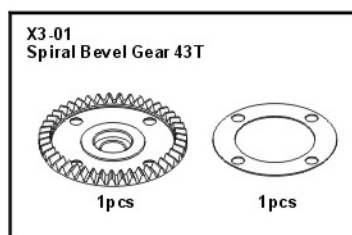
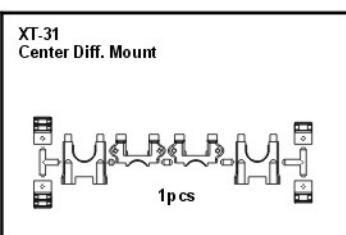
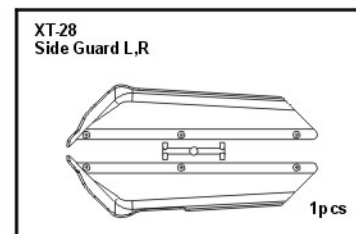
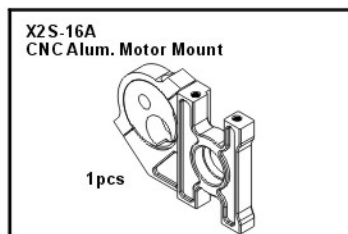
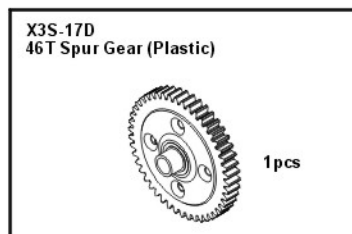
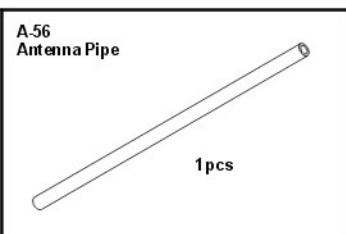
- ◎ **Please be careful when handling the battery. It will be hot after running. If the wire is frayed, a short circuit can cause a fire.**
操作後電池將會發燙，取出電池時請小心。如果電池電線磨損，短路將會導致電池起火燃燒。

WARNING: To avoid a possible fire hazard, always unplug the battery. Do not leave your vehicle unattended with the battery unplugged.




為避免因電線短路而引起之可能災害，請在操作本產品後，隨時拔除電源接頭。請勿在電源接頭未經拔除之下將本遙車產品儲存或置於無法目視的地方。

PARTS REFERENCE 零件圖




PARTS REFERENCE 零件圖

X3-32
7x12mm Ball & Socket




4pcs

X3-34
2.5x11.8 Pins



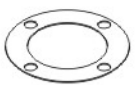
10pcs

X3-35
2.5x12.8 Pin




10pcs

X3-38
Diff Gasket 31x20x0.3



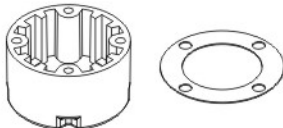
3pcs

X3-40
4x10mm Set Screw, Round Head



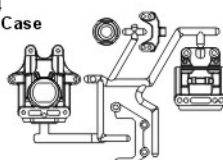
4pcs

X3-43
Diff. Case (F&R)



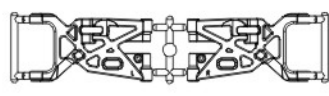
1pcs 1pcs

X3-44
Gear Case



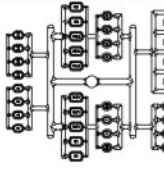
1pcs

X3-45
Front Lower Arms L&R



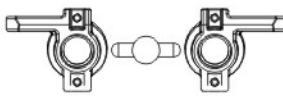
1pcs

X3-46
Suspension Eccentric Bushing



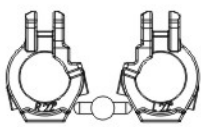
1pcs

X3-47
Steering Knuckle Arm L,R



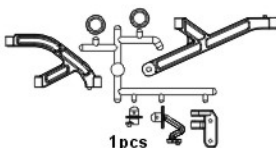
1pcs

X3-48
Front C Hub L,R



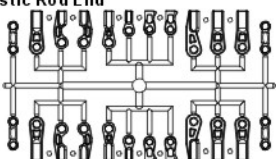
1pcs

X3-49
Body Post/Center Brace



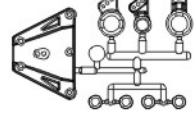
1pcs

X3-50
Plastic Rod End



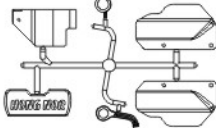
1pcs

X3-51
Servo Saver Set/Front Top Deck



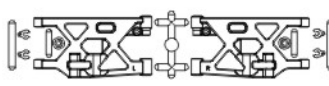
1pcs

X3-52
Front Bumper/Rear Mud Deflectors



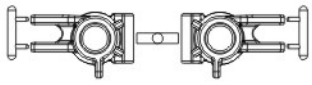
1pcs

X3-53
Rear Lower Arms L&R



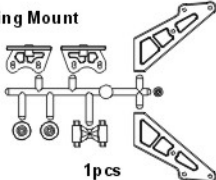
1pcs

X3-54
Rear Hub Carrier L&R




1pcs

X3-55
Rear Wing Mount




1pcs

X3-61
8x14 Ball Bearing



4pcs

X3-62
13x20 Ball Bearing



4pcs

X3S-02
CNC 7075-5mm Front Shock Tower




1pcs

X3S-03
CNC 7075-5mm Rear Shock Tower




1pcs

X3S-04
Diff. Cap Joint (Lightweight)






2pcs

X3S-05A
CNC 7075 Chassis Brace (Front)




1pcs

3x12 3x10 3mm



1pcs 2pcs 3pcs

X3S-05B
CNC 7075 Chassis Brace (Rear)




1pcs

3x10 3mm




2pcs 2pcs

X3S-05
CNC 7075 Chassis Brace (Front/Rear)




1pcs 1pcs

3x12 3x10 3mm


1pcs 4pcs 5pcs

X3S-06
CNC 7075 Suspension Holder, FF



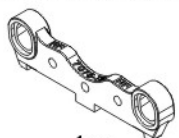
1pcs

X3S-07
CNC 7075 Suspension Holder, FR



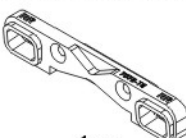
1pcs

X3S-08
CNC 7075 Suspension Holder, RF




1pcs

X3S-09
CNC 7075 Suspension Holder, RR



1pcs

X3S-10
Center CVD Cap Joint



1pcs

PARTS LIST 零件圖

X3S-11
Center CVD Shaft Set, Front, 101.5mm

1pcs
1pcs
1pcs

X3S-11A
Center CVD Shaft, Front, 101.5mm

1pcs

X3S-12
Center CVD Shaft Set, Rear, 113mm

1pcs
1pcs
1pcs

X3S-12A
Center CVD Shaft, Rear, 113mm

1pcs

X3S-17A
X3S EPPC Body, Clear

1pcs

X3S-17B
CNC 7075-3mm Lightweight Chassis

1pcs

X3S-17C
Carbon Center Plate

1pcs

#364
Antenna Pipe Fixing Nut

1pcs

#380
Wing

1pcs

#395
Receiver Box/Center Plate

1pcs

#396
Battery Straps, Black

3pcs

#397-14
14T Pinion Gear 5mm, M1

1pcs

X3S-13
Alum. Chassis Brace Mount **OPT**

1pcs
1pcs
1pcs

X3S-14
Alum. Rear Hub Carrier L.R **OPT**

1pcs
1pcs
4mm
4pcs
8x16x5
2pcs
13x20x4
2pcs

X3S-15
Alum. Wheel Hub (15.9mm) **OPT**

2pcs

X3S-16
SPL Arms Shaft, 3.5mm **OPT**

2pcs

X3S-19
Alum. CNC C Hub (10) L,R **OPT**

1pcs
1pcs
3x18
2pcs
2pcs

X3S-20
Alum. CNC C Hub (12) L,R **OPT**

1pcs
1pcs
3x18
2pcs
2pcs

#410
16mm Shock Spring, Medium (Blue) **OPT**

Front
1.5x68x7.25T-2pcs

Rear
1.5x85x9.5T-2pcs

#411
16mm Shock Spring, Soft (Red) **OPT**

Front
1.5x68x7.5T-2pcs

Rear
1.5x85x9.75T-2pcs

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

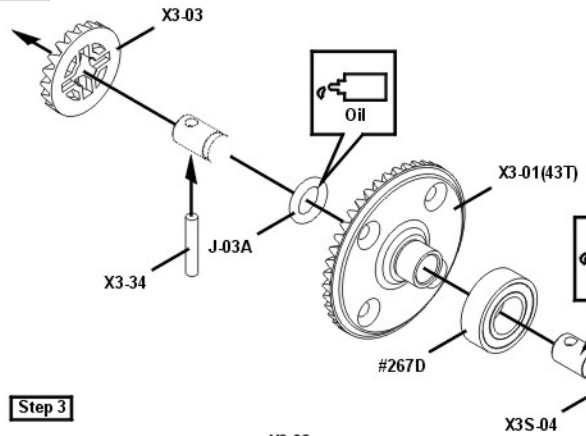
Parts Bag Used 使用零件包裝袋	Degrease with Motor Spray 使用清潔噴劑	Do Not Over Tighten 請勿鎖緊物件	Tighten 鎖緊物件	Ensure Free Movement 確定可自由活動	Contact Adhesive 使用強力打接著劑
Apply Screw Cement 使用螺絲膠	Apply Oil 塗上潤滑油	Apply Lubricant 塗上潤滑黃油	1:1 True-To-Scale 1:1 原寸圖	Time 時間	Pay attention here 注意事項

1 ASSEMBLY OF THE FRONT AND REAR DIFF. 前後差速齒輪組合

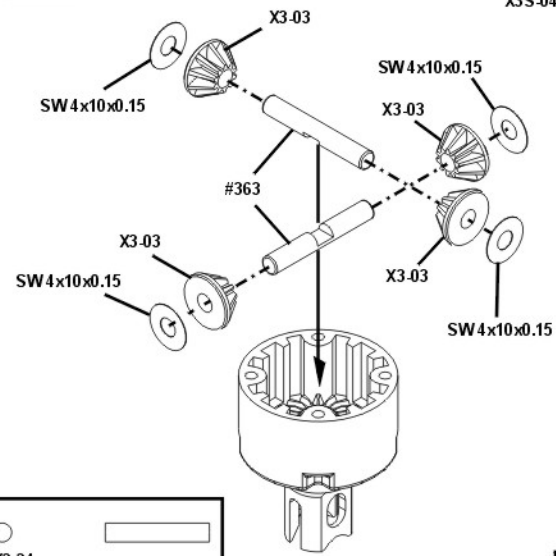


Build two differentials for front and rear.
請組合兩個差速器為前後使用。

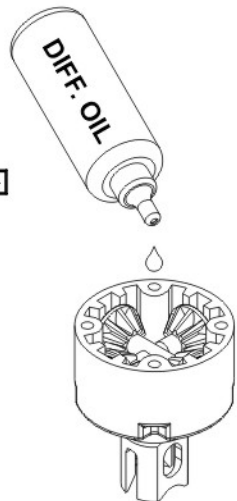
Step 1



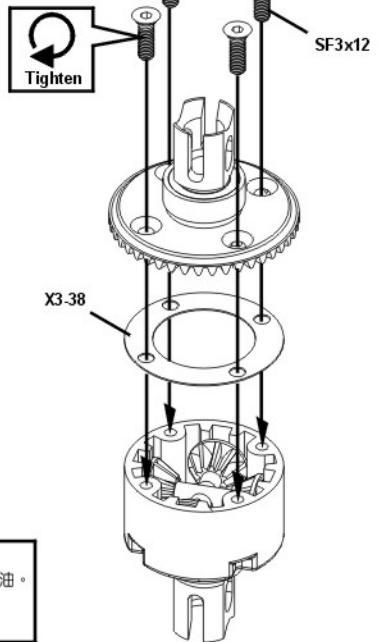
Step 3



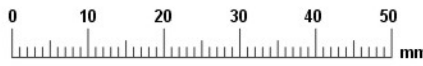
Step 4



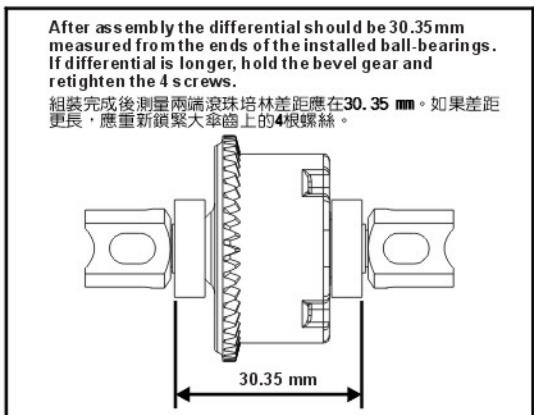
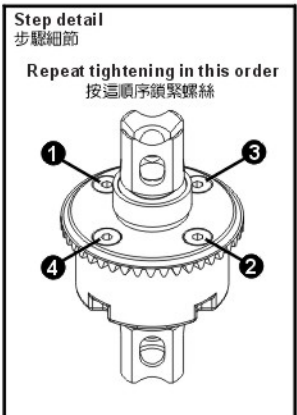
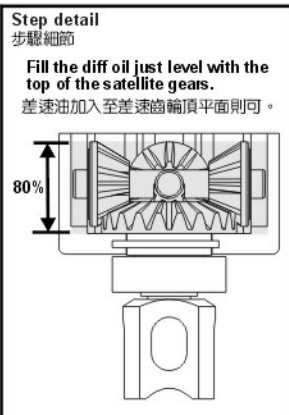
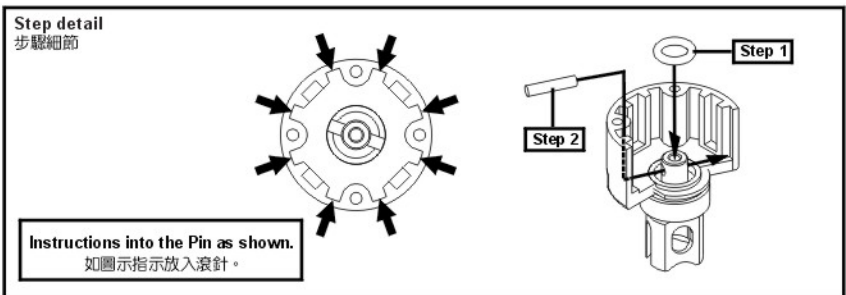
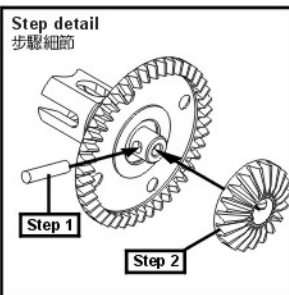
Step 5



● Use the Diff. Oil #7000 for front and #2000 for rear.
前差速器請使用 #7000 差速油，後差速器請使用 #2000 差速油。
● Use a silver sharpie to mark front and rear diff. case.
使用銀色油漆筆標記前差速殼與後差速殼。



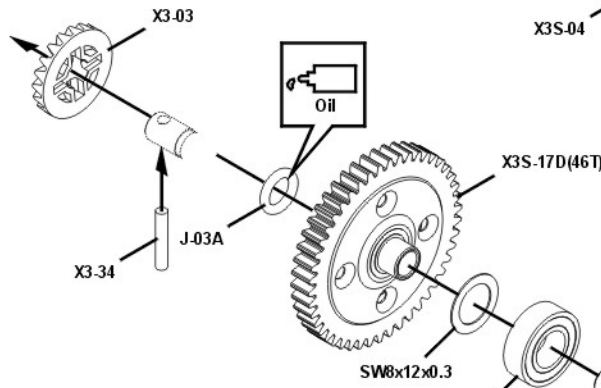
- X3-34
2.5x11.8mm Pinx4
滾針
- J-03A
P6 O-Ringx4
P6 O環
- #267D bearing"/> #267D
8x16x5mm Ball Bearingx4
培林
- SW 4x10x0.15
4x10x0.15mm Washerx8
墊片
- #363 cross pin"/> #363
4mm Alim. Cross Pinx4
4mm 鉛十字軸心
- SF3x12mm
Flat Head Hex Screwx8
皿頭內六角螺絲



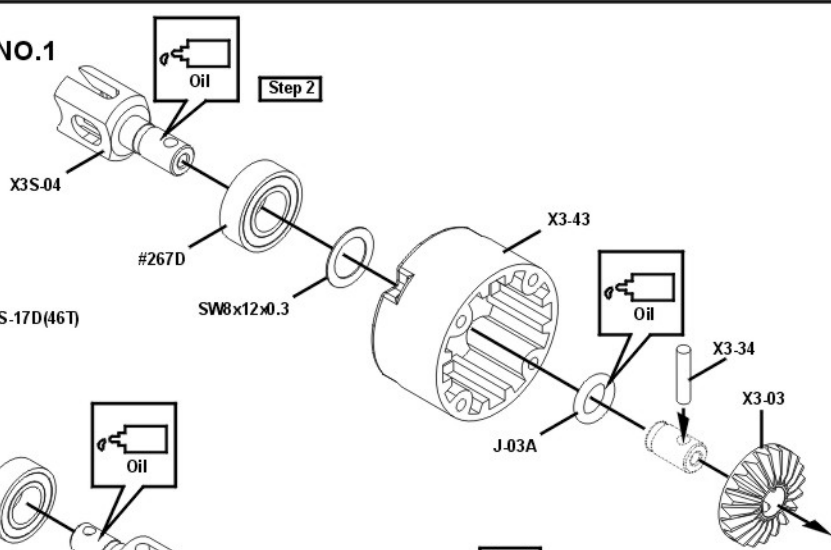
2 ASSEMBLY OF THE CENTER DIFF. 中央差速齒輪組合



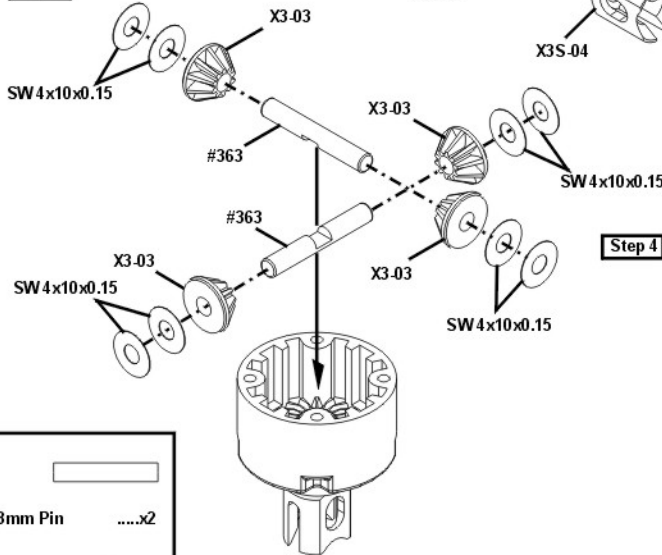
Step 1



Step 2



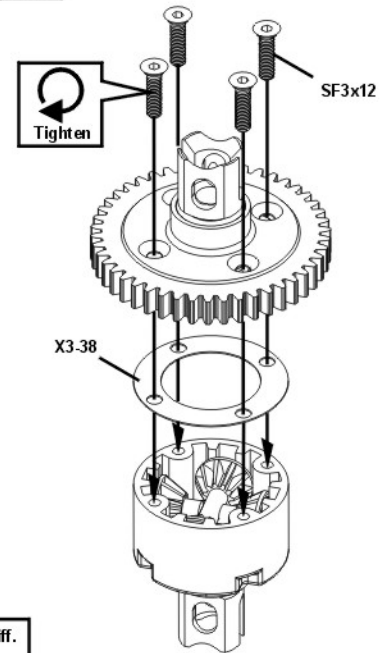
Step 3



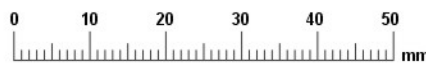
Step 4



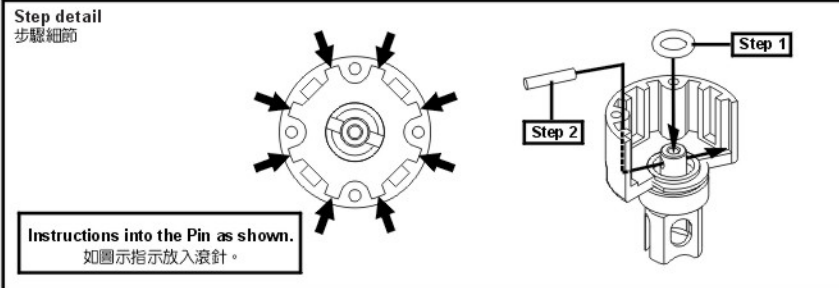
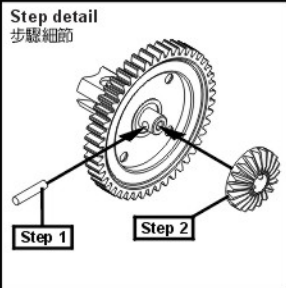
Step 5



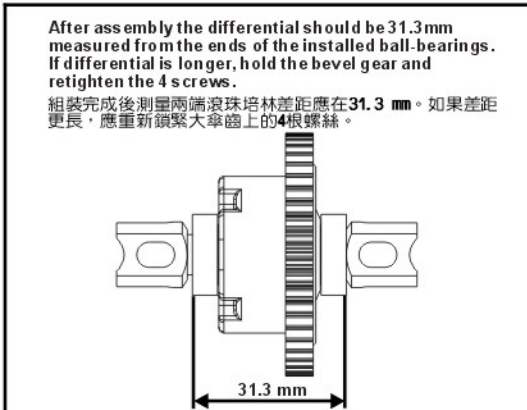
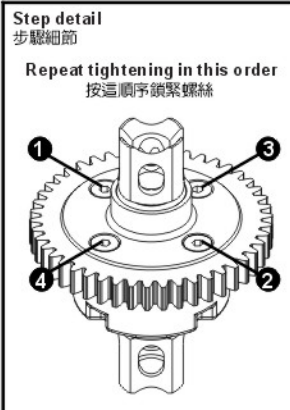
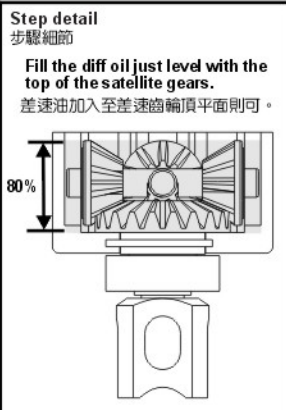
Use the Diff. Oil #5000 for the center diff.
中差速器請使用 #5000 差速油。



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



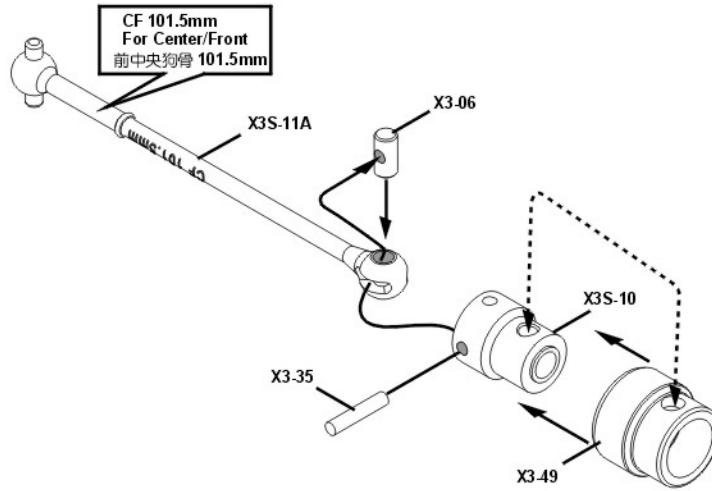
Instructions into the Pin as shown.
如圖示指示放入滾針。



After assembly the differential should be 31.3mm measured from the ends of the installed ball-bearings. If differential is longer, hold the bevel gear and retighten the 4 screws.
組裝完成後測量兩端滾珠培林差距應在31.3mm。如果差距更長，應重新鎖緊大傘齒上的4根螺絲。

3 ASSEMBLY OF THE CENTER/FRONT CVD SHAFT

中央前CVD傳動軸組合



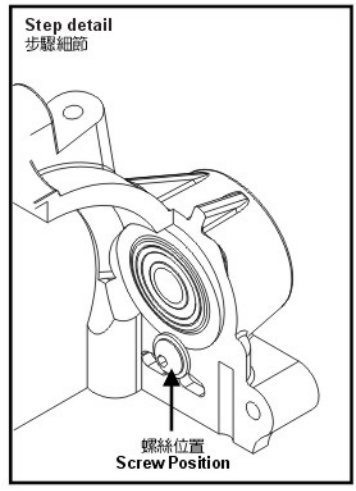
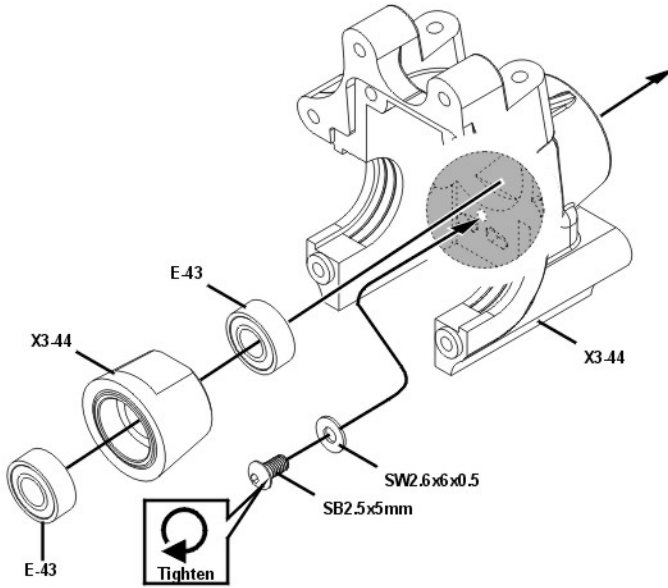
X3-35	2.5x12.8mm Pinx1
	滾針	

4 ASSEMBLY OF THE FRONT GEAR CASE

前齒輪箱組合



SW2.6x6x0.5mm	Washerx1
	墊片	
E-43	5x11x4mm	Ball Bearing
	培林x2
SB2.5x5mm	Hex Screwx1
	丸頭內六角螺絲	

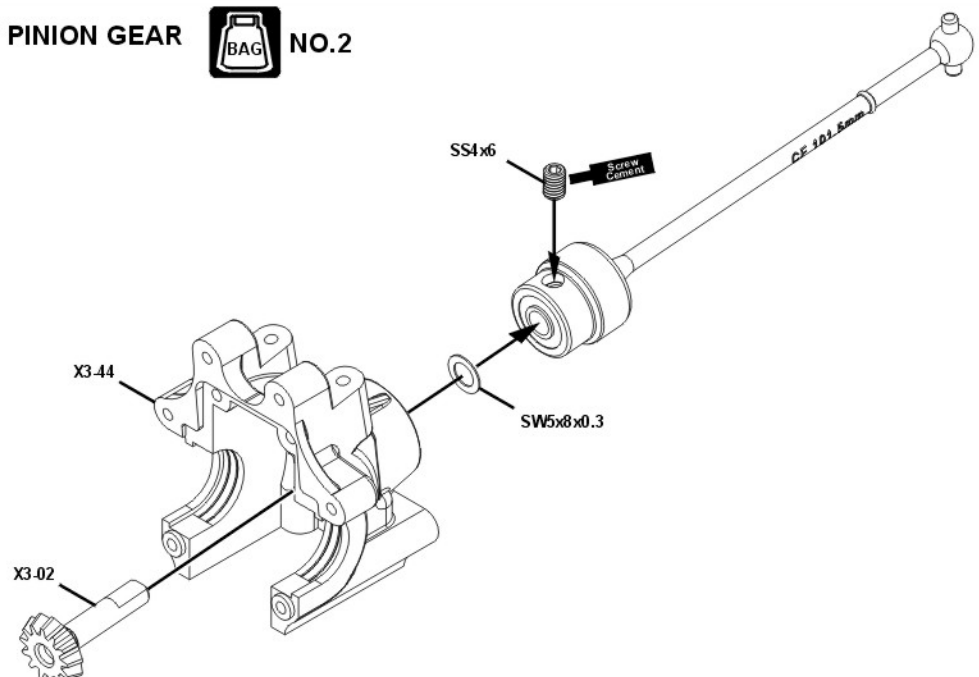


5 ASSEMBLY OF THE FRONT PINION GEAR AND CVD SHAFT

前小傘齒與CVD傳動軸組合



SW5x8x0.3mm	Washerx1
	墊片	
SS4x6mm	Set Screwx1
	止付螺絲	



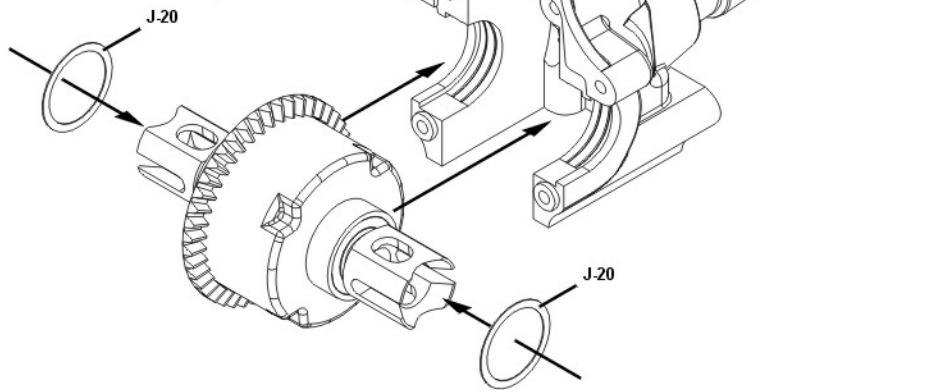
6 ASSEMBLY OF THE FRONT DIFFERENTIAL INTO GEAR CASE

前差速器與齒輪箱組合



NO.1

Adjust the backlash with the Shims.
請使用墊片調整間隙。



J-20
13x16x0.2mm
Shim
墊片x2

7 ASSEMBLY OF THE FRONT GEAR CASE COVER

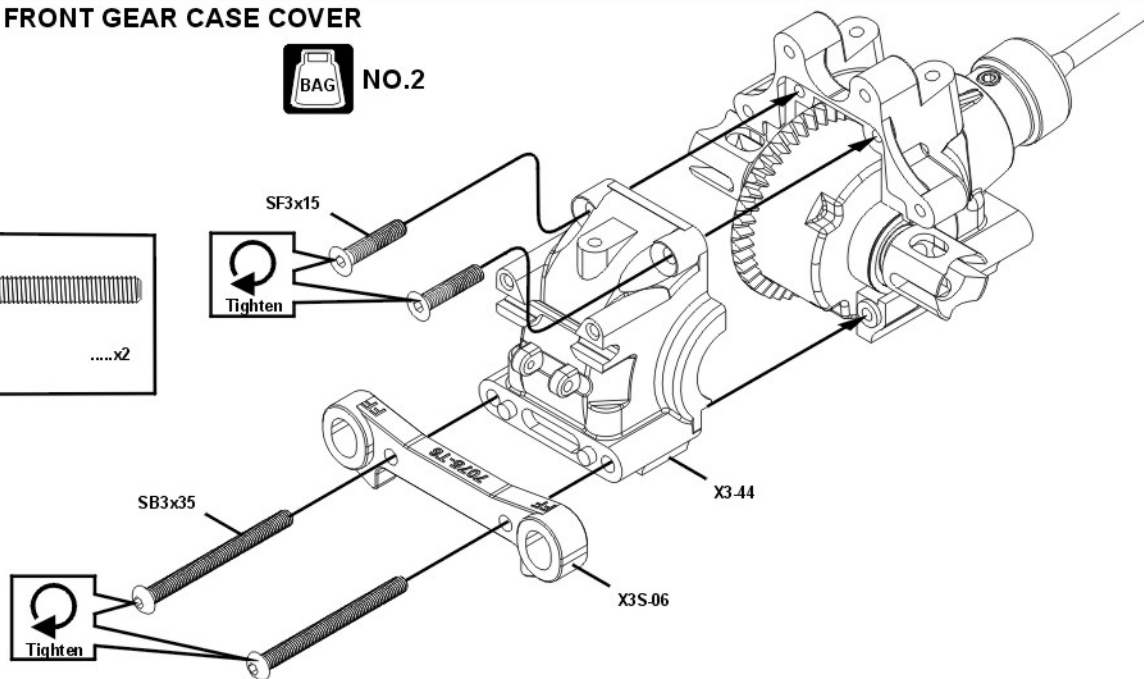
前齒輪箱蓋組合



NO.2

SF3x15mm
Flat Head Hex Screwx2
平頭內六角螺絲

SB3x35mm
Hex Screwx2
半圓內六角螺絲



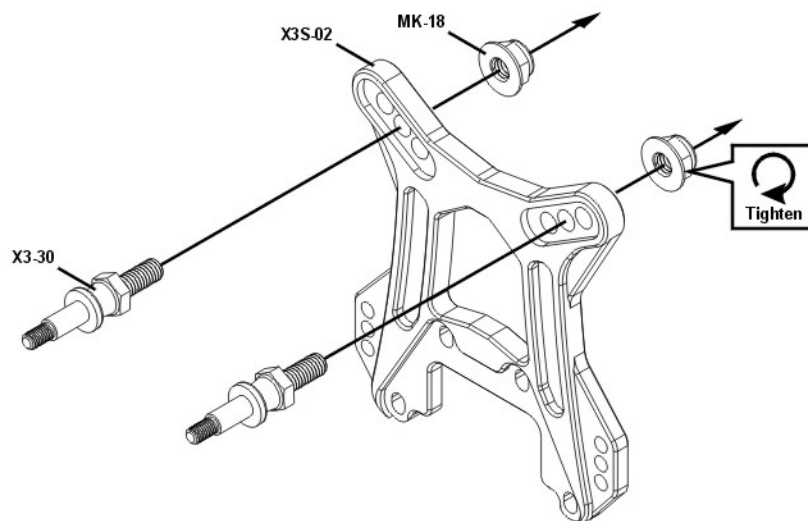
8 ASSEMBLY OF THE FRONT SHOCK STAY

前油壓架組合



NO.2

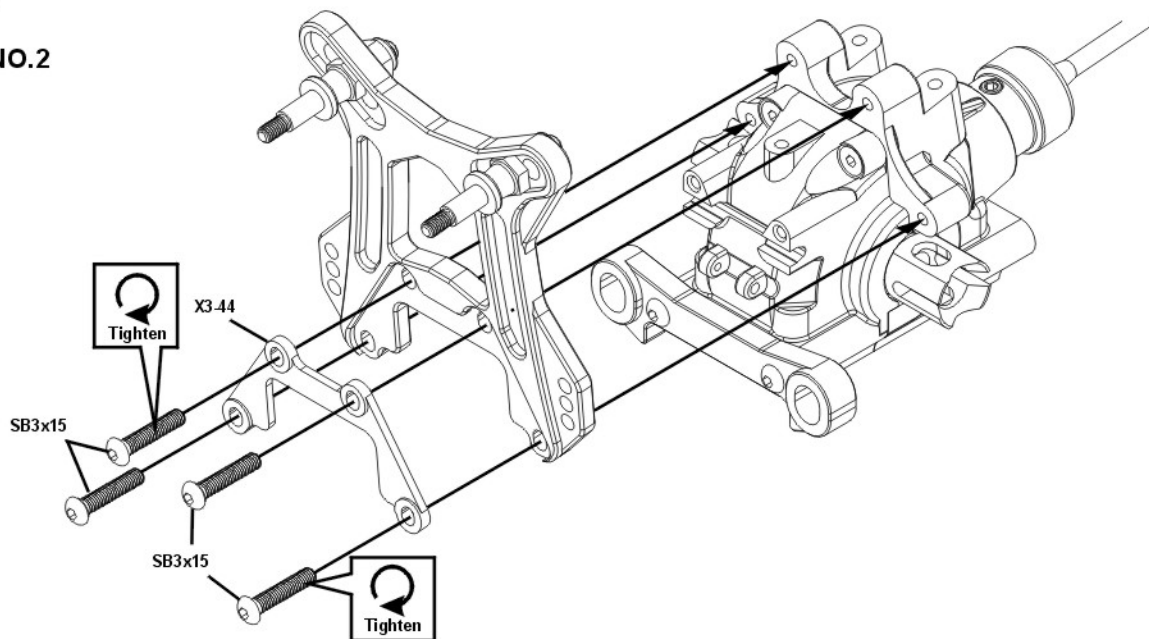
NO.9



MK-18
4mm
Nylon Nut
尼龍螺帽x2

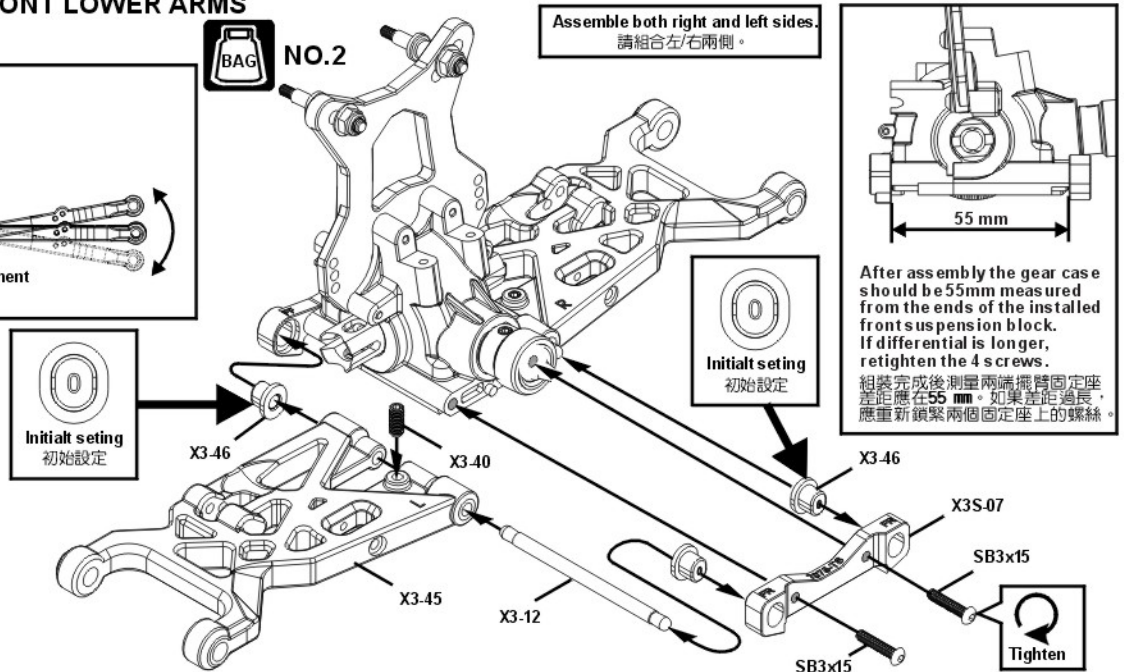
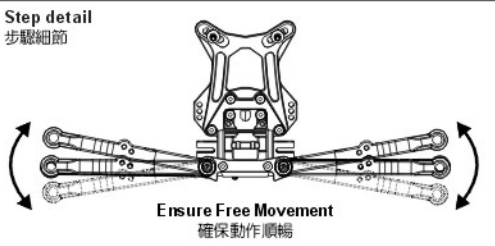
9 ASSEMBLY OF THE FRONT SHOCK STAY ONTO GEAR CASE

前油壓架與齒輪箱組合



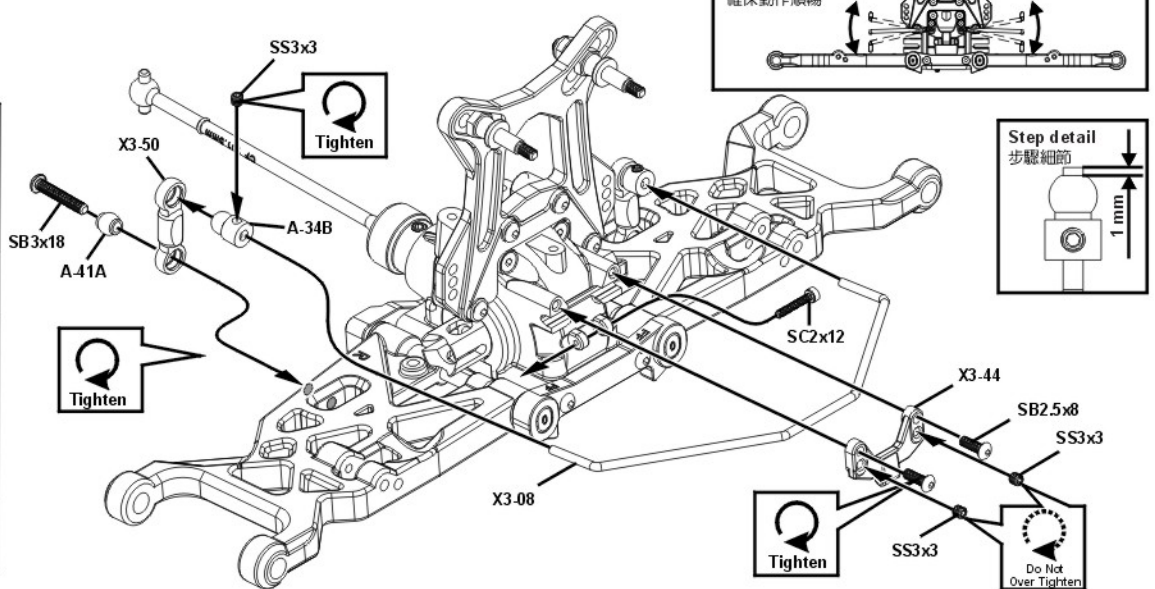
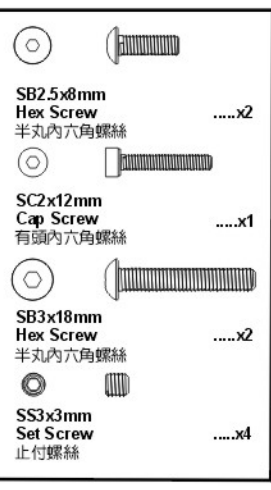
10 ASSEMBLY OF THE FRONT LOWER ARMS

前齒輪箱組合



11 ASSEMBLY OF THE FRONT STABILIZER ROD

前平衡桿組合



12 ASSEMBLY OF THE FRONT KNUCKLE ARMS

轉向座組合

LEFT SIDE
左側

Step 1

Step 2

Step 3

Step detail
步驟細節

X3-14 3x6

Sst Screw position
止付螺絲位置

Parts List:

- X3-62 13x20x4mm Ball Bearing 培林x2
- X3-61 8x14x4mm Ball Bearing 培林x2
- SS3x6mm Set Screw 止付螺絲x4
- 3mm Nylon Nut 尼龍螺帽x2

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

13 ASSEMBLY OF THE FRONT CVD INTO KNUCKLE ARMS

轉向座與CVD傳動軸組合

LEFT SIDE
左側

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

Parts List:

- X3-35 2.5x12.8mm Pin 滾針x2
- #267E 2.5x16.8mm Pin 滾針x2
- SS4x4mm Set Screw 止付螺絲x2

Step 1: Insert pin X3-35 into the knuckle arm.

Step 2: Insert pin #267E into the CVD shaft.

Step 3: Tighten the set screw SS4x4mm.

Step 4: Assemble the CVD shaft into the knuckle arm.

Step 5: Tighten the set screw SS4x4mm.

Step 6: Tighten the set screw SS4x4mm.

Right side
右側

Parts List:

- X3-04A F 107.5mm For Front 前CVD狗骨 107.5mm
- X3-06
- X3-07
- X3-35
- X3-62
- X3-61
- X3-48
- X3-47
- X3-14
- X1-27
- X1-26
- SNN3
- SS3x6
- SS4x4

Tighten

14 ASSEMBLY OF THE KNUCKLE ARMS ONTO FRONT LOWER ARMS

組合前轉向座至下擺臂

LEFT SIDE
左側

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

Parts List:

- 4x18mm Hex Screw 半丸內六角螺絲x4

Step 1: Attach the knuckle arm to the lower arm using hex screws SB4x18.

Step 2: Tighten the hex screws SB4x18.

Step 3: Tighten the hex screws SB4x18.

Step 4: Tighten the hex screws SB4x18.

Step 5: Tighten the hex screws SB4x18.

Step 6: Tighten the hex screws SB4x18.

Step 7: Tighten the hex screws SB4x18.

Step 8: Tighten the hex screws SB4x18.

Step 9: Tighten the hex screws SB4x18.

Step 10: Tighten the hex screws SB4x18.

Step 11: Tighten the hex screws SB4x18.

Step 12: Tighten the hex screws SB4x18.

Step 13: Tighten the hex screws SB4x18.

Step 14: Tighten the hex screws SB4x18.

Step 15: Tighten the hex screws SB4x18.

Step 16: Tighten the hex screws SB4x18.

Step 17: Tighten the hex screws SB4x18.

Step 18: Tighten the hex screws SB4x18.

Step 19: Tighten the hex screws SB4x18.

Step 20: Tighten the hex screws SB4x18.

Step 21: Tighten the hex screws SB4x18.

Step 22: Tighten the hex screws SB4x18.

Step 23: Tighten the hex screws SB4x18.

Step 24: Tighten the hex screws SB4x18.

Step 25: Tighten the hex screws SB4x18.

Step 26: Tighten the hex screws SB4x18.

Step 27: Tighten the hex screws SB4x18.

Step 28: Tighten the hex screws SB4x18.

Step 29: Tighten the hex screws SB4x18.

Step 30: Tighten the hex screws SB4x18.

Step 31: Tighten the hex screws SB4x18.

Step 32: Tighten the hex screws SB4x18.

Step 33: Tighten the hex screws SB4x18.

Step 34: Tighten the hex screws SB4x18.

Step 35: Tighten the hex screws SB4x18.

Step 36: Tighten the hex screws SB4x18.

Step 37: Tighten the hex screws SB4x18.

Step 38: Tighten the hex screws SB4x18.

Step 39: Tighten the hex screws SB4x18.

Step 40: Tighten the hex screws SB4x18.

Step 41: Tighten the hex screws SB4x18.

Step 42: Tighten the hex screws SB4x18.

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Step 45: Tighten the hex screws SB4x18.

Step 46: Tighten the hex screws SB4x18.

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Step 49: Tighten the hex screws SB4x18.

Step 50: Tighten the hex screws SB4x18.

Step 51: Tighten the hex screws SB4x18.

Step 52: Tighten the hex screws SB4x18.

Step 53: Tighten the hex screws SB4x18.

Step 54: Tighten the hex screws SB4x18.

Step 55: Tighten the hex screws SB4x18.

Step 56: Tighten the hex screws SB4x18.

Step 57: Tighten the hex screws SB4x18.

Step 58: Tighten the hex screws SB4x18.

Step 59: Tighten the hex screws SB4x18.

Step 60: Tighten the hex screws SB4x18.

Step 61: Tighten the hex screws SB4x18.

Step 62: Tighten the hex screws SB4x18.

Step 63: Tighten the hex screws SB4x18.

Step 64: Tighten the hex screws SB4x18.

Step 65: Tighten the hex screws SB4x18.

Step 66: Tighten the hex screws SB4x18.

Step 67: Tighten the hex screws SB4x18.

Step 68: Tighten the hex screws SB4x18.

Step 69: Tighten the hex screws SB4x18.

Step 70: Tighten the hex screws SB4x18.

Step 71: Tighten the hex screws SB4x18.

Step 72: Tighten the hex screws SB4x18.

Step 73: Tighten the hex screws SB4x18.

Step 74: Tighten the hex screws SB4x18.

Step 75: Tighten the hex screws SB4x18.

Step 76: Tighten the hex screws SB4x18.

Step 77: Tighten the hex screws SB4x18.

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Step 79: Tighten the hex screws SB4x18.

Step 80: Tighten the hex screws SB4x18.

Step 81: Tighten the hex screws SB4x18.

Step 82: Tighten the hex screws SB4x18.

Step 83: Tighten the hex screws SB4x18.

Step 84: Tighten the hex screws SB4x18.

Step 85: Tighten the hex screws SB4x18.

Step 86: Tighten the hex screws SB4x18.

Step 87: Tighten the hex screws SB4x18.

Step 88: Tighten the hex screws SB4x18.

Step 89: Tighten the hex screws SB4x18.

Step 90: Tighten the hex screws SB4x18.

Step 91: Tighten the hex screws SB4x18.

Step 92: Tighten the hex screws SB4x18.

Step 93: Tighten the hex screws SB4x18.

Step 94: Tighten the hex screws SB4x18.

Step 95: Tighten the hex screws SB4x18.

Step 96: Tighten the hex screws SB4x18.

Step 97: Tighten the hex screws SB4x18.

Step 98: Tighten the hex screws SB4x18.

Step 99: Tighten the hex screws SB4x18.

Step 100: Tighten the hex screws SB4x18.

Step detail
步驟細節

Ensure Free Movement
確保動作順暢

Do Not Over Tighten

Parts List:

- X3-15
- X3-15
- SB4x18
- SB4x18

15 ASSEMBLY OF THE FRONT UPPER ARMS

前上拉桿組合

BAG NO.2

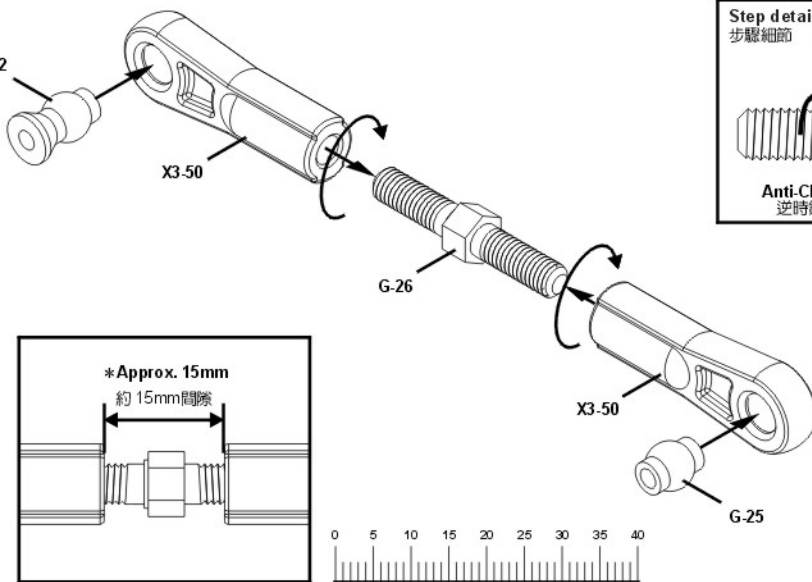
Assemble both left and right sides.
請組合左/右兩側。

LEFT SIDE
左側

X3-32
7x12mm Ball
7x12mm 球型座x2

G-25
7mm Ball
球型x2

G-26
5x35mm Turnbuckle
正反牙桿x2



Step detail
步驟細節

Note the locking direction!
注意鎖緊方向!

Anti-Clockwise
逆時鐘反牙

Clockwise
順時鐘正牙

Step detail
步驟細節

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

16 ASSEMBLY OF THE FRONT UPPER ARMS

前上拉桿組合

BAG NO.2

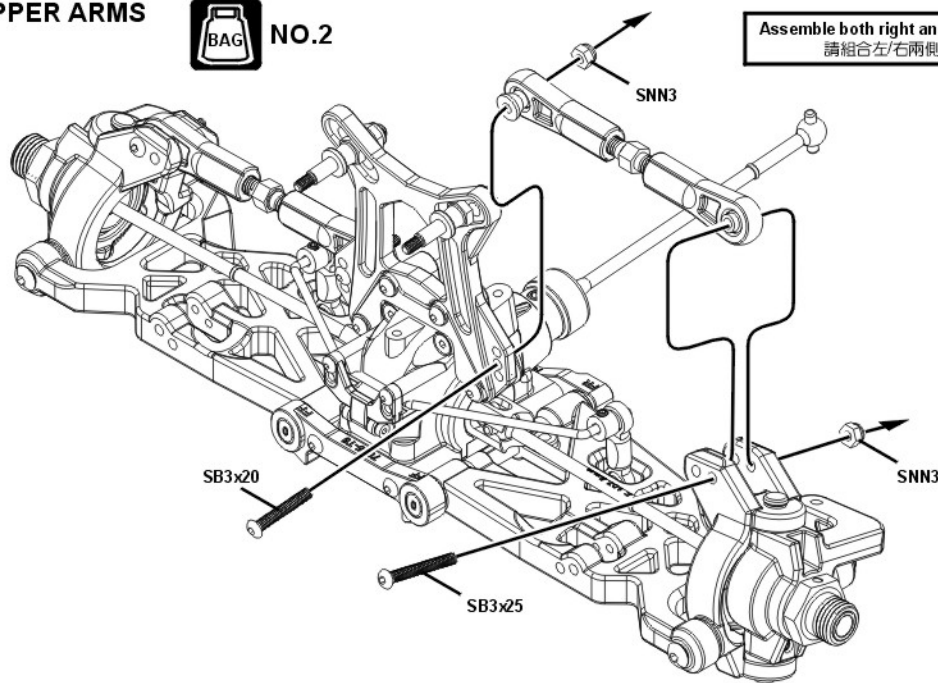
Assemble both right and left sides.
請組合左/右兩側。

LEFT SIDE
左側

SNN3mm
Nylon Nut
尼龍螺帽x4

SB3x25mm
Hex Screw
半丸內六角螺絲x2

SB3x20mm
Hex Screw
半丸內六角螺絲x2



17 ASSEMBLY OF THE SERVO SAVER

緩衝組組合

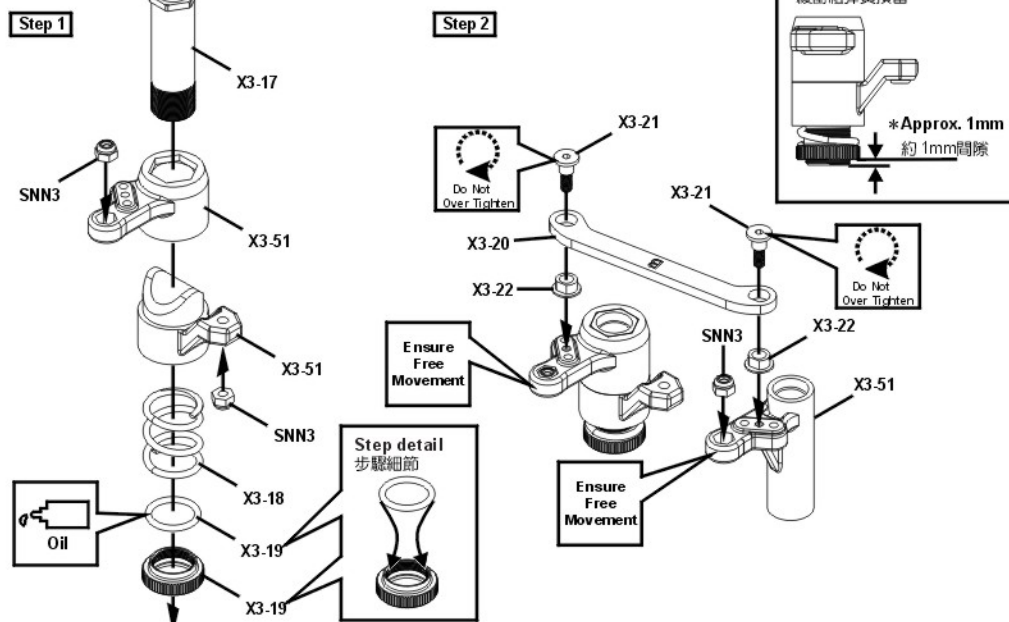
BAG NO.3

Servo saver spring preload.
緩衝組彈簧預留

X3-21
Steering Plat Hex Screw
緩衝組螺絲x2

X3-19
12x1.7mm O-Ring
12x1.7mm O環x1

SNN3mm
Nylon Nut
尼龍螺帽x3

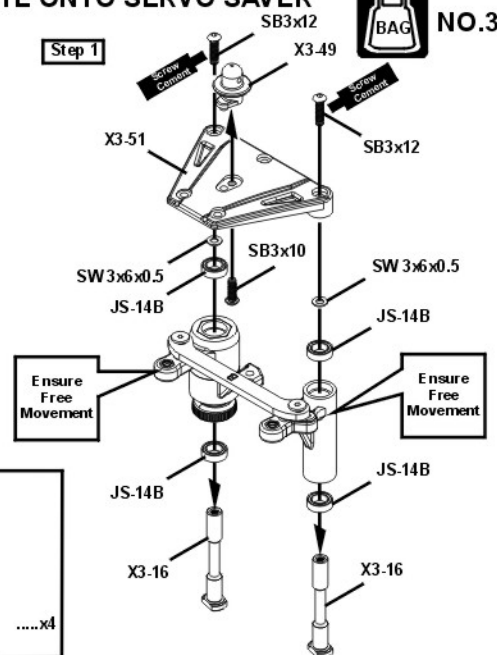


18 ASSEMBLY OF THE FRONT PLATE ONTO SERVO SAVER

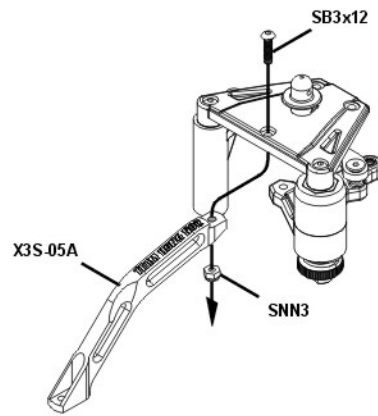
緩衝組與前三角板組合



Step 1



Step 2



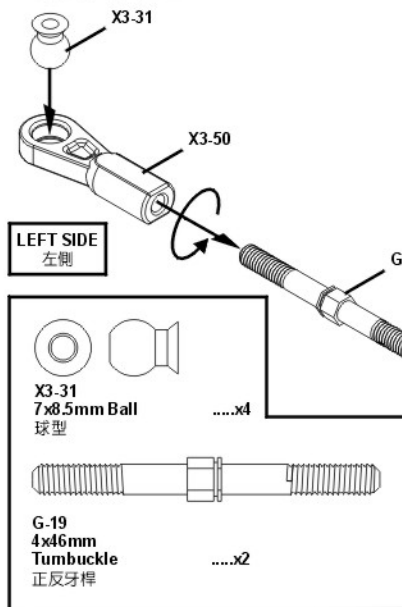
19 ASSEMBLY OF THE STEERING TIE-ROD

轉向拉桿組合



NO.3

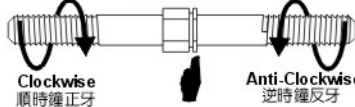
Make two steering rods for left and right hand sides.
請裝備左邊和右邊2支轉向拉桿。



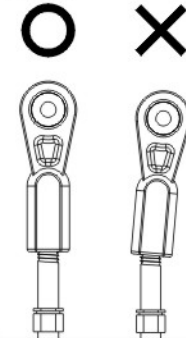
Step detail

Note the locking direction!

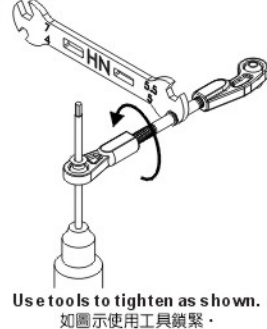
注意鎖緊方向!



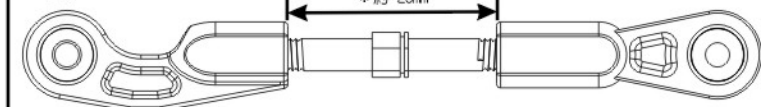
Step detail



Step detail



RIGHT SIDE 右側 1:1

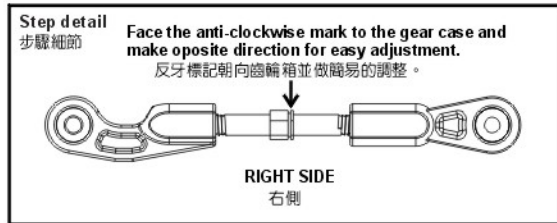


20 ASSEMBLY OF THE STEERING TIE-ROD

轉向拉桿組合



NO.3

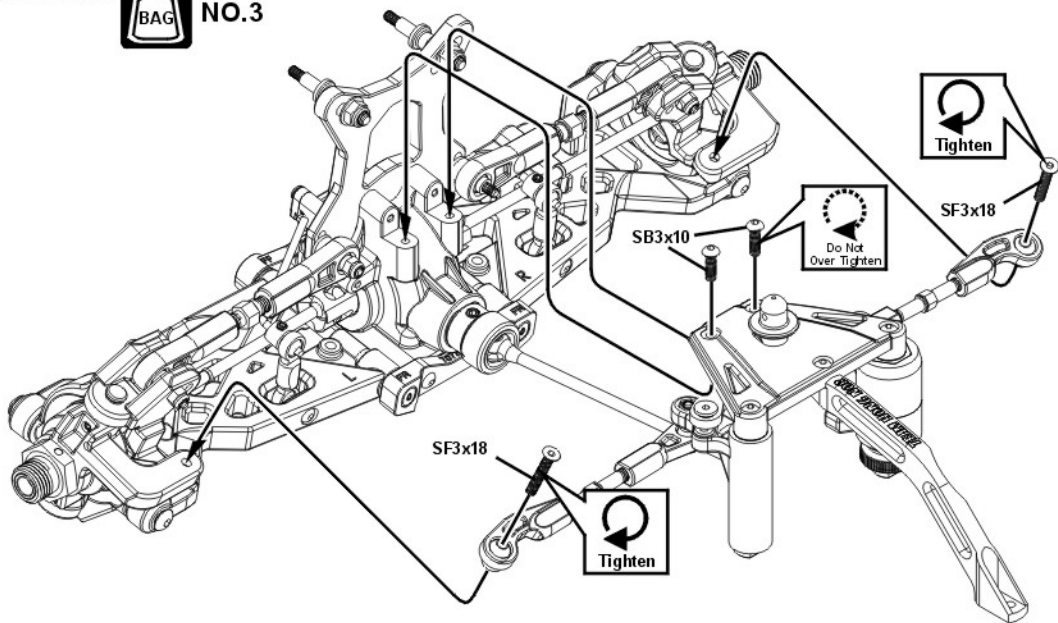




Tighten SF3x16

21 ASSEMBLY OF THE FRONT GEAR BOX
 組合緩衝組至前齒輪箱



NO.3

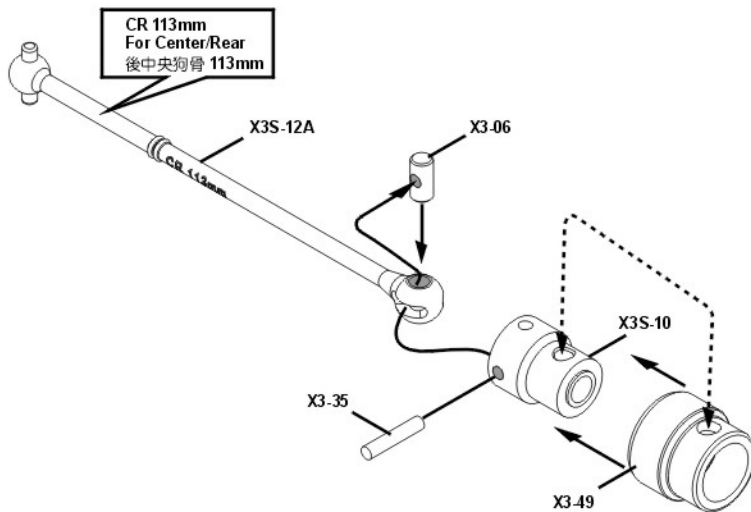



-  SF3x18mm Flat Head Hex Screwx2
血頭內六角螺絲
-  SB3x10mm Hex Screwx2
半丸內六角螺絲

22 ASSEMBLY OF THE CENTER/REAR CVD SHAFT
 中央/後CVD傳動軸組合



NO.4

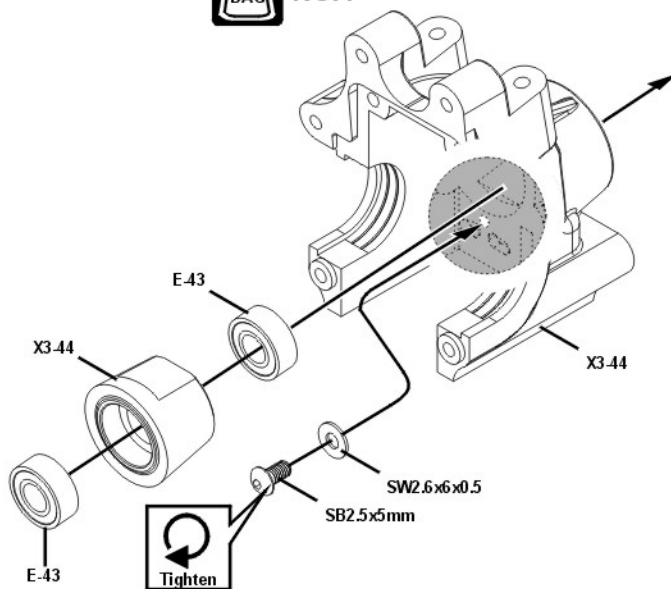





-  X3-35 2.5x12.8mm Pinx1
滾針

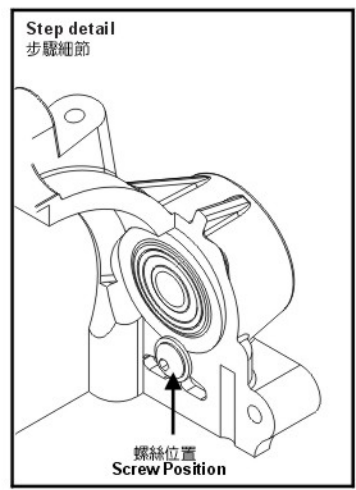
23 ASSEMBLY OF THE REAR GEAR CASE
 後齒輪箱組合



NO.4

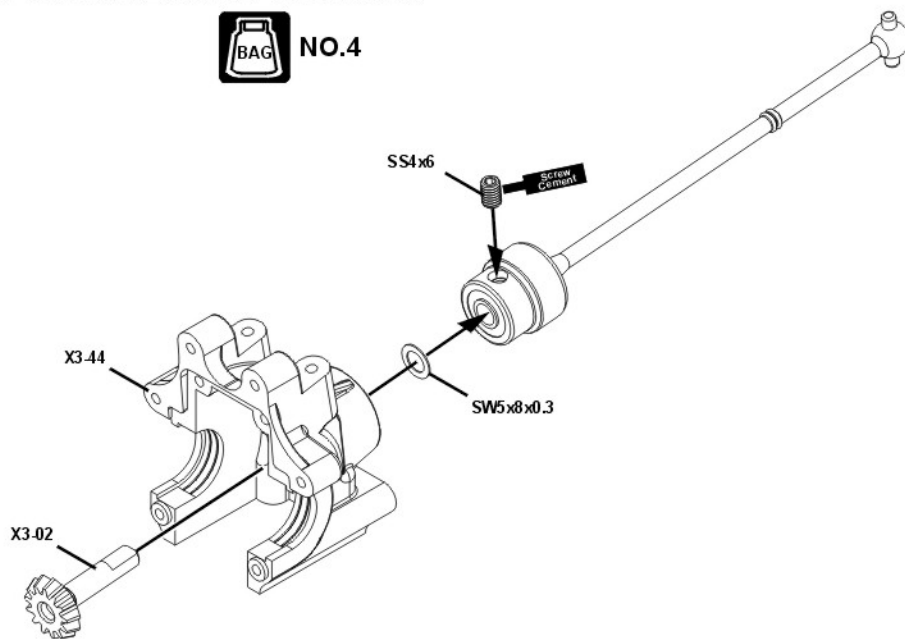
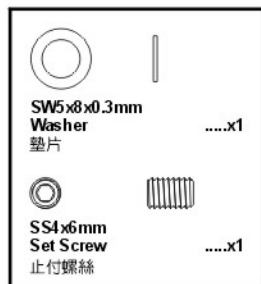


-  SW2.6x6x0.5 Washerx1
墊片
-  E-43 5x11x4mm Ball Bearingx2
培林
-  SB2.5x5mm Hex Screwx1
半丸內六角螺絲



24 ASSEMBLY OF THE REAR PINION GEAR AND CVD SHAFT

後小傘齒與CVD傳動軸組合

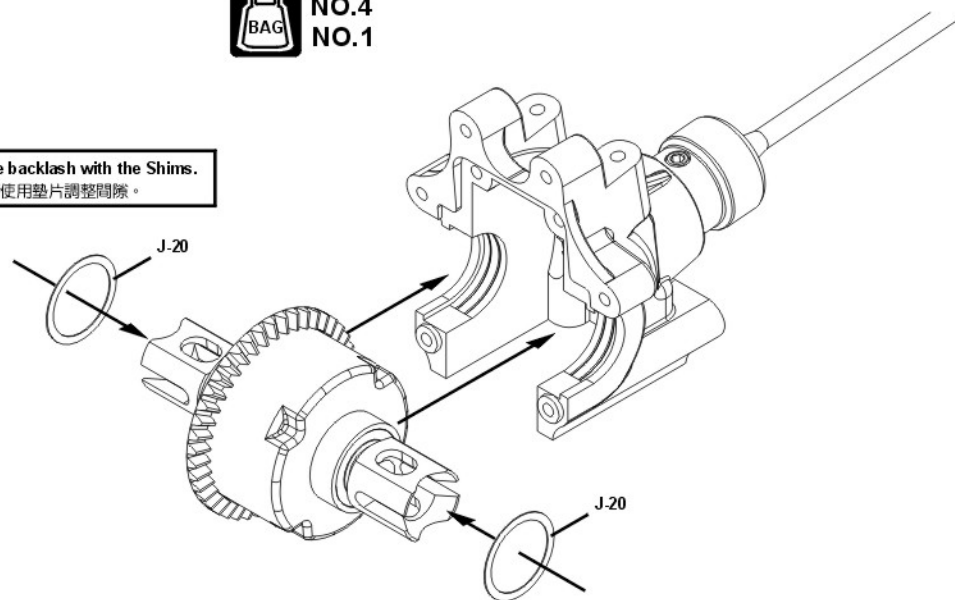


25 ASSEMBLY OF THE REAR DIFFERENTIAL ONTO GEAR CASE

後差速器與後齒輪箱組合

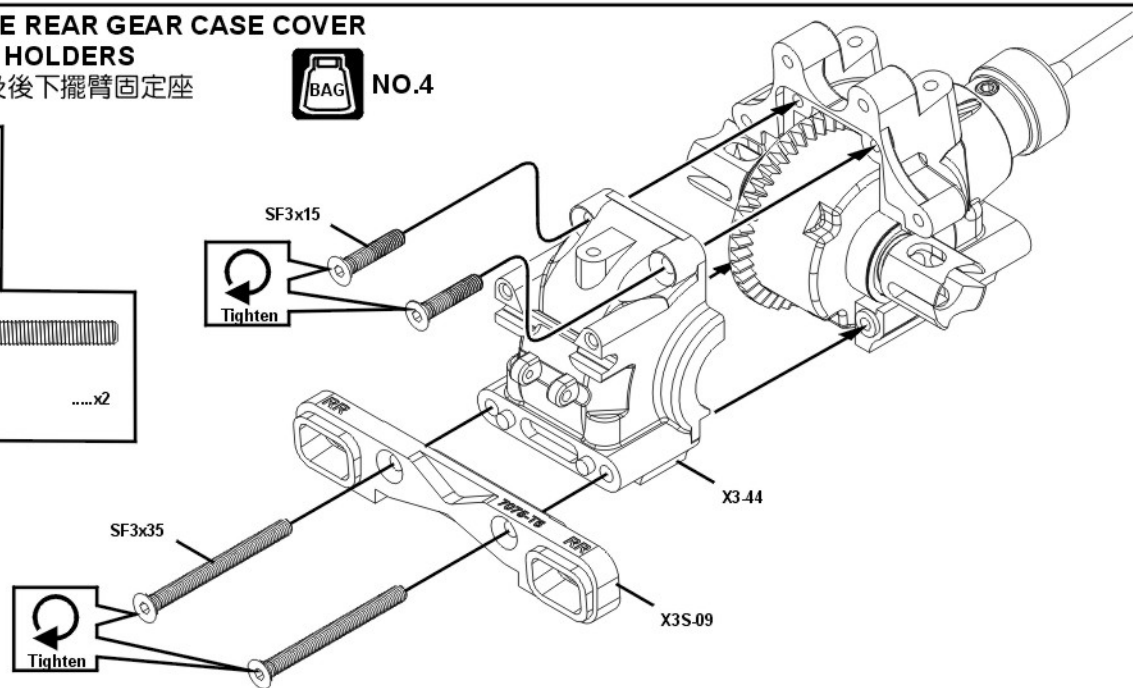
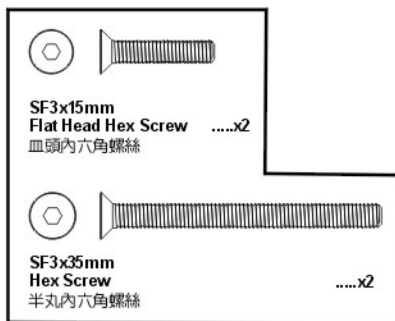


Adjust the backlash with the Shims.
請使用墊片調整間隙。



26 ASSEMBLY OF THE REAR GEAR CASE COVER AND LOWER ARM HOLDERS

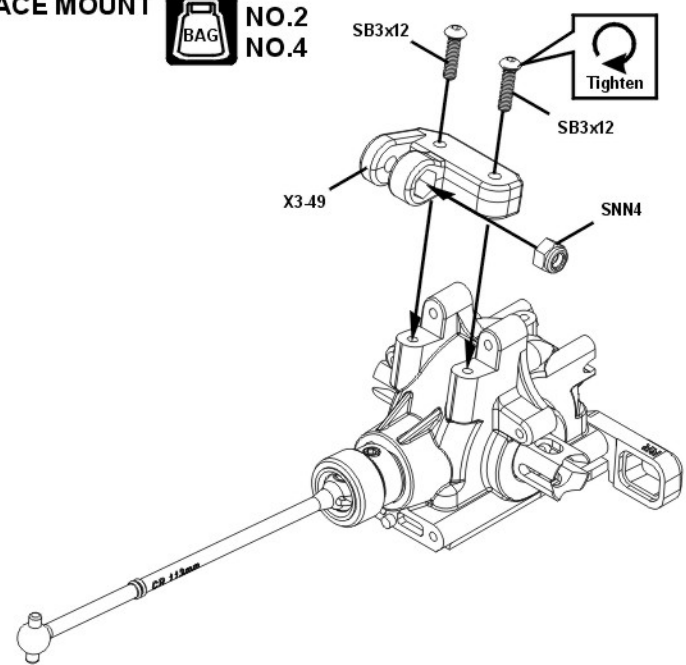
組合後齒輪箱前蓋及後下擺臂固定座



27 ASSEMBLY OF THE REAR BRACE MOUNT
後支撐架座組合

BAG NO.2
NO.4

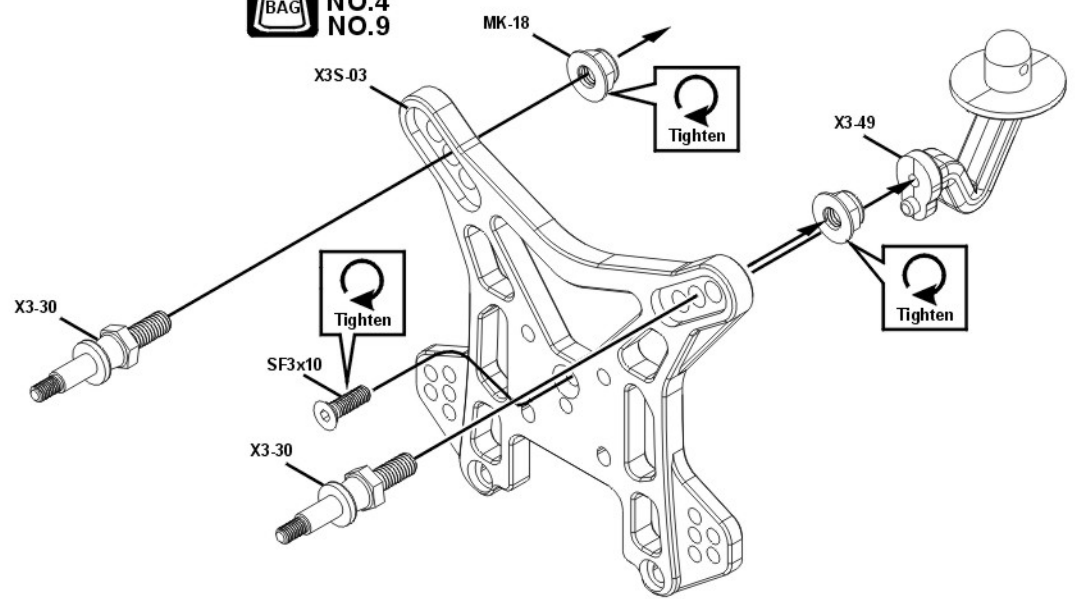
- SNN4mm Nylon Nut
尼龍螺帽x1
- SB3x12mm Hex Screw
半丸內六角螺絲x2



28 ASSEMBLY OF THE REAR SHOCK STAY
後油壓架組合

BAG NO.2
NO.4
NO.9

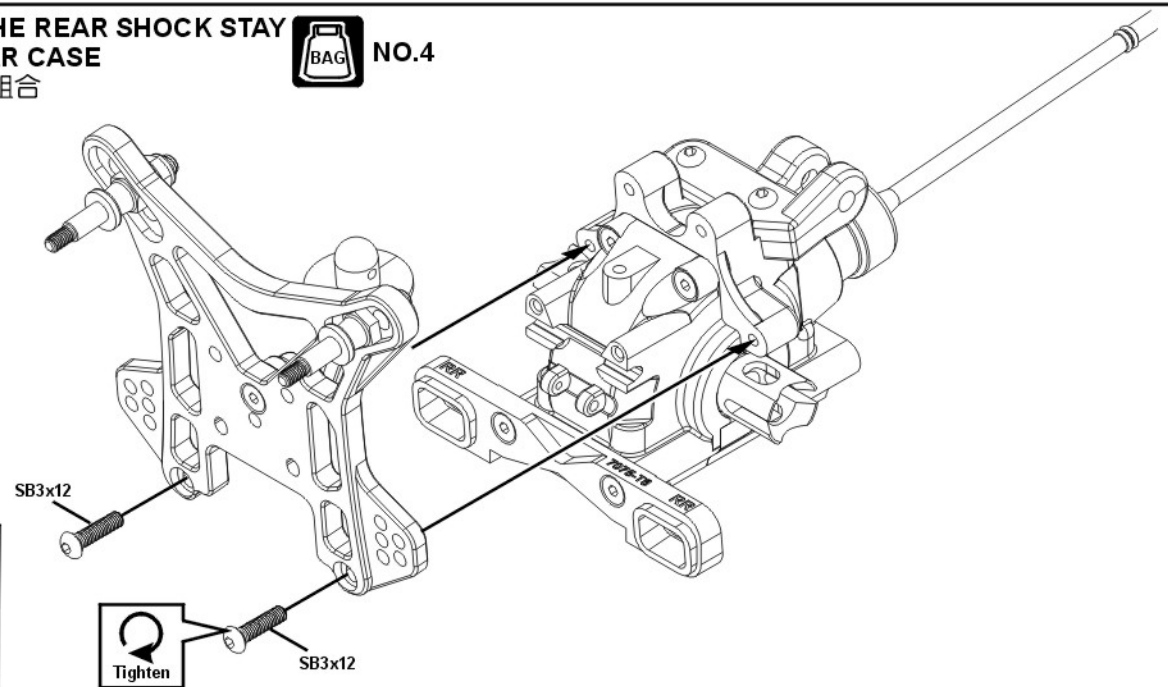
- SF3x10mm Flat Head Hex Screwx1
皿頭內六角螺絲
- MK-18 4mm Alum. Nylon Nut
鋁尼龍螺帽x2



29 ASSEMBLY OF THE REAR SHOCK STAY ONTO REAR GEAR CASE
後油壓架與齒輪箱組合

BAG NO.4

- SB3x12mm Hex Screw
半丸內六角螺絲x2






30 ASSEMBLY OF THE WING STAY

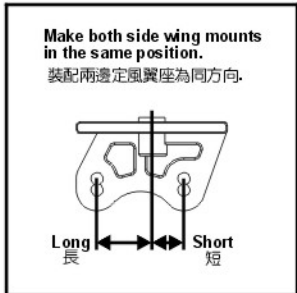
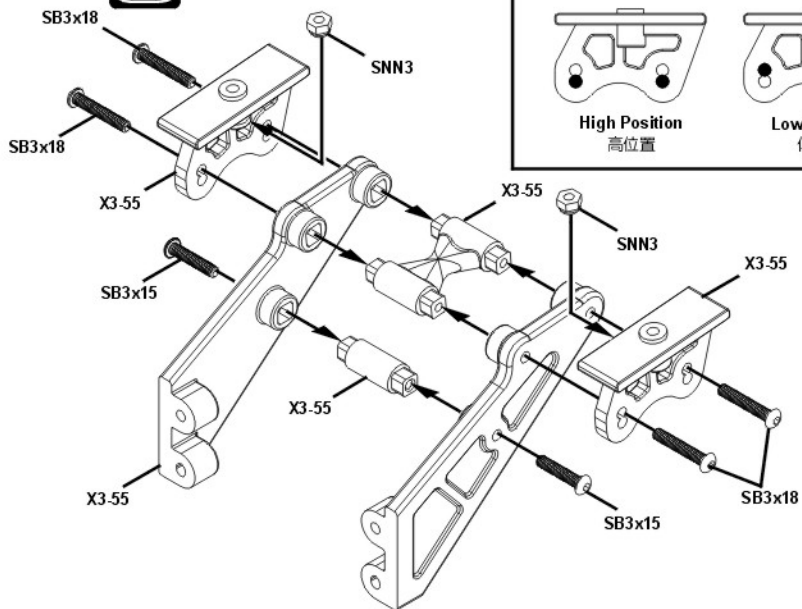
定風翼架組合

BAG NO.4

The angle of the wing mount can become bigger or higher as picture shown.

定風翼角度如圖示可以依裝配定風翼座位置不同而會有角度及高低變化。

-  SNN3mm Nylon Nut 尼龍螺帽x2
-  SB3x18mm Hex Screw 半丸內六角螺絲x4
-  SB3x15mm Hex Screw 半丸內六角螺絲x2

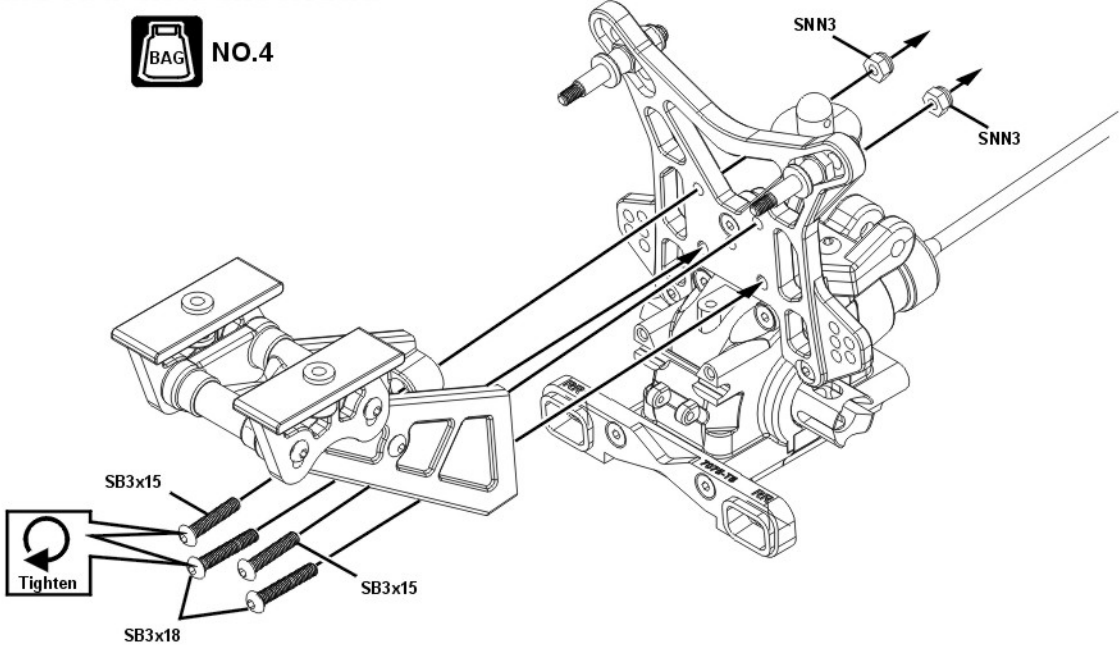


31 ASSEMBLY OF THE WING STAY ONTO SHOCK STAY

定風翼架油壓架組合

BAG NO.4

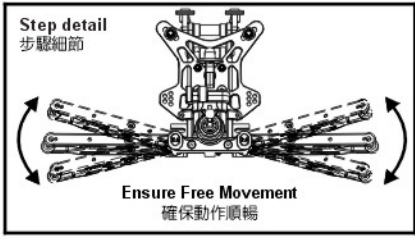
-  SNN3mm Nylon Nut 尼龍螺帽x2
-  SB3x18mm Hex Screw 半丸內六角螺絲x2
-  SB3x15mm Hex Screw 半丸內六角螺絲x2



32 ASSEMBLY OF THE REAR LOWER ARMS

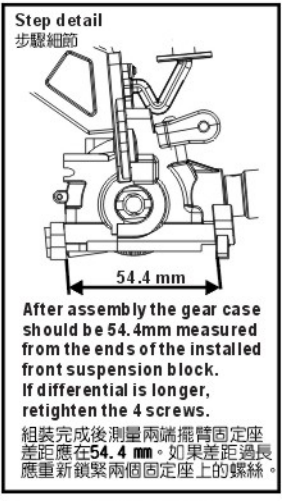
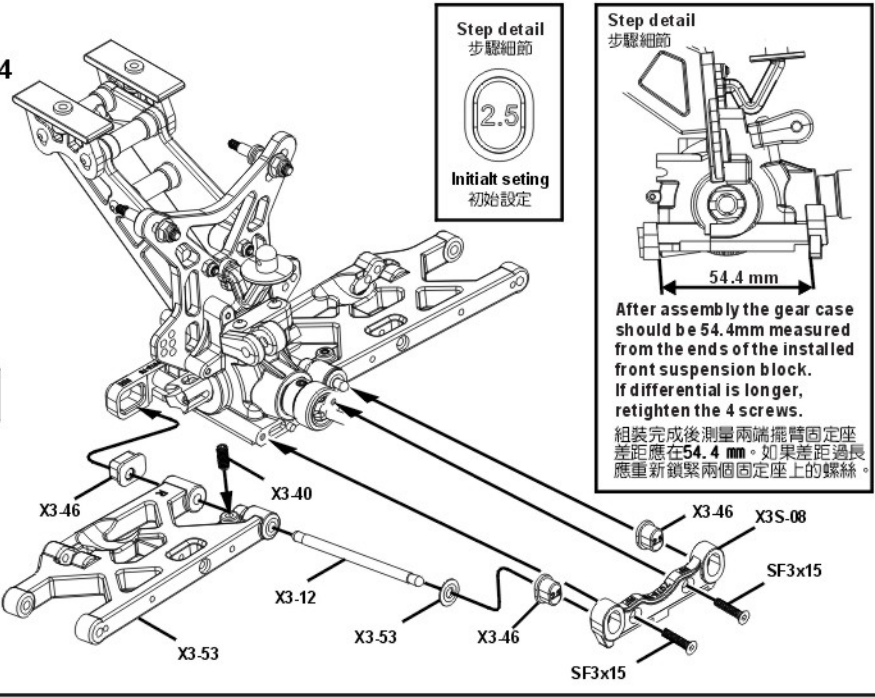
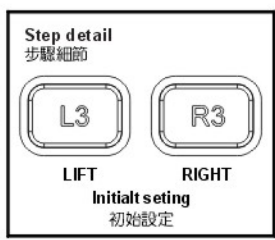
後齒輪箱與擺臂組合

BAG NO.4



-  SF3x15mm Flat Head Hex Screwx2
-  X3-40 4x10mm Round Head Set Screwx2

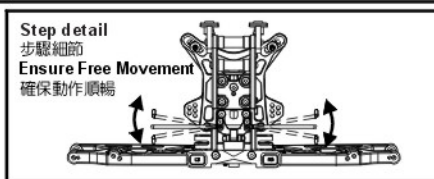
Assemble both right and left side.
請組合左右兩側。



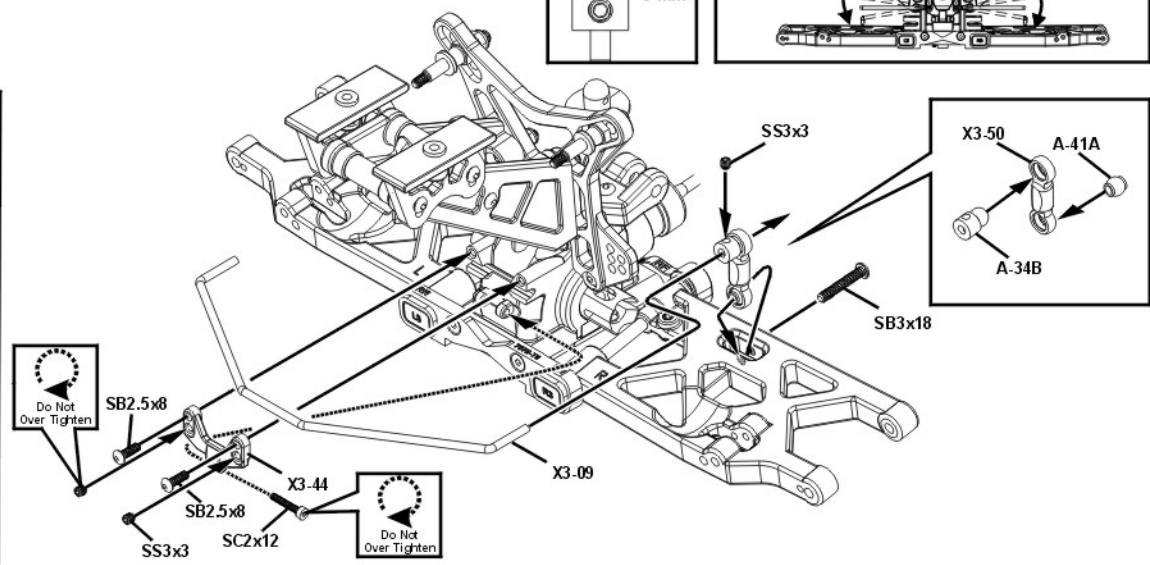
33 ASSEMBLY OF THE REAR STABILIZER

後平衡桿組合

BAG NO.4



- SB2.5x8mm Hex Screwx2
半丸內六角螺絲
- SC2x12mm Cap Screwx1
有頭內六角螺絲
- SB3x18mm Hex Screwx2
半丸內六角螺絲
- SS3x3mm Set Screwx4
止付螺絲



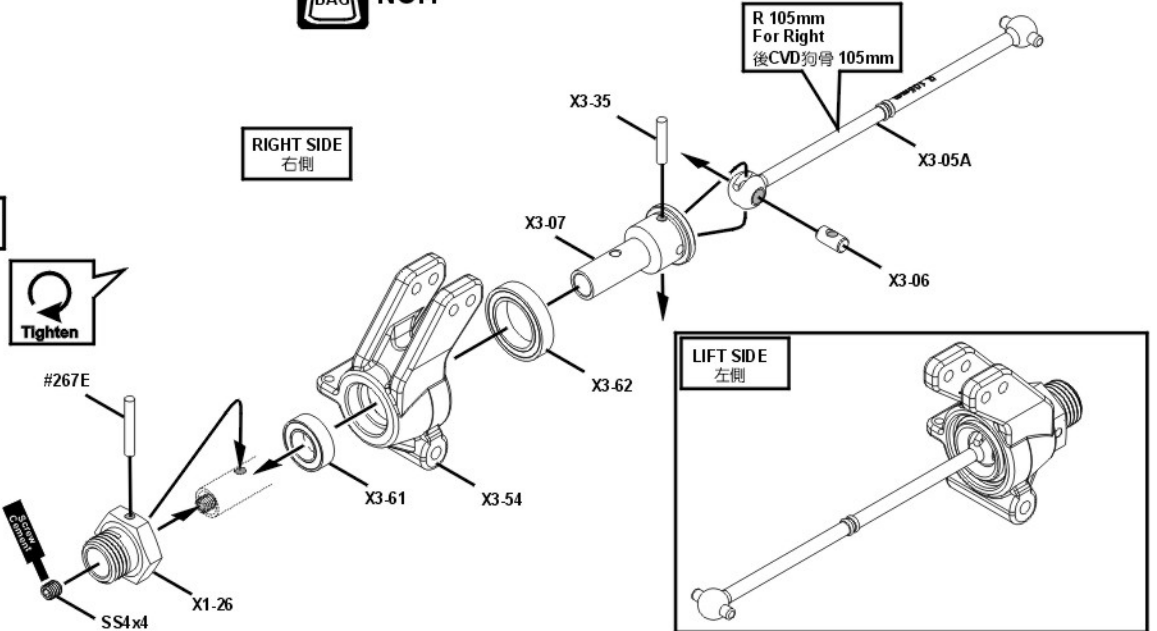
34 ASSEMBLY OF THE REAR WHEEL HUBS

後輪座組合

BAG NO.4

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

- X3-35 2.5x12.8mm Pinx2
滾針
- #267E 2.5x16.8mm Pinx2
滾針
- 4x4mm Set Screwx2
止付螺絲

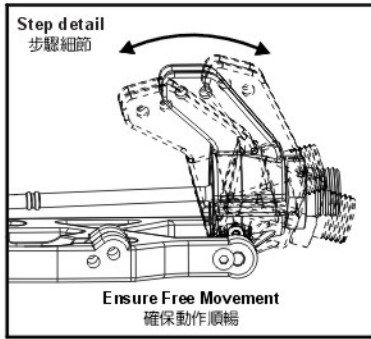


35 ASSEMBLY OF THE REAR SUSPENSION ARMS

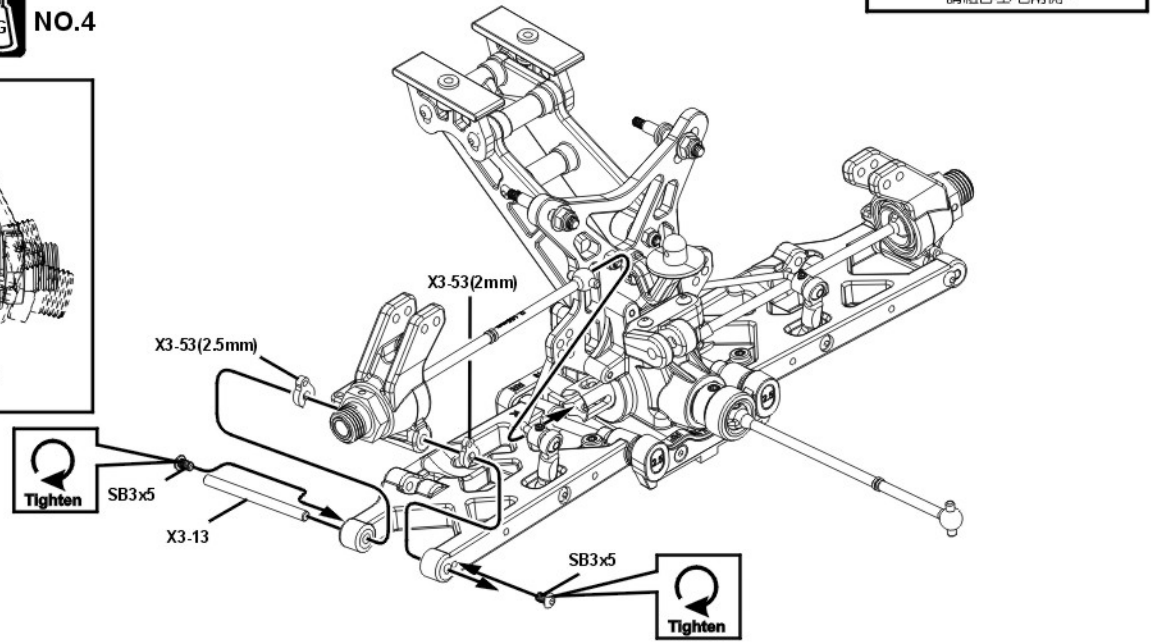
後懸吊系統組合

BAG NO.4

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



- SB3x5mm Hex Screwx4
半丸內六角螺絲

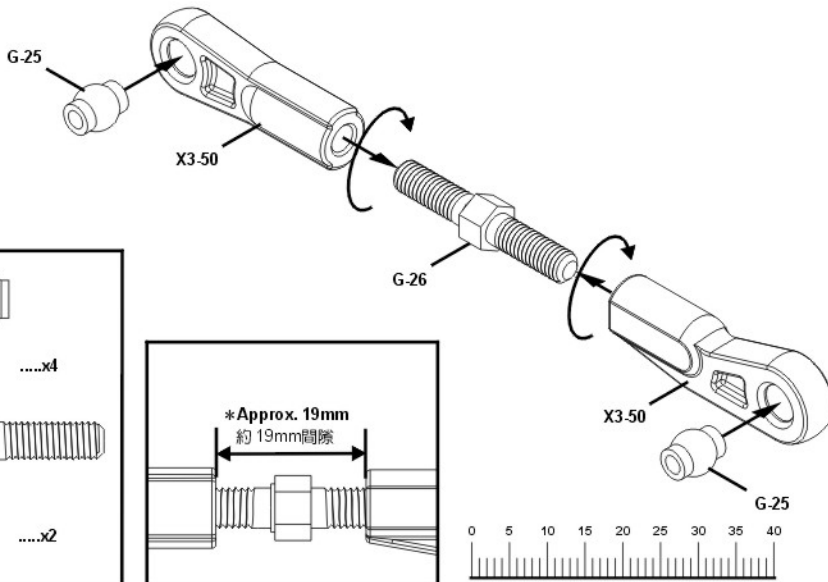


35 ASSEMBLY OF THE REAR UPPER ARMS

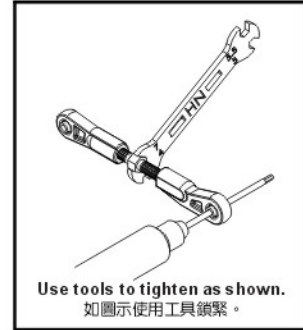
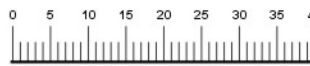
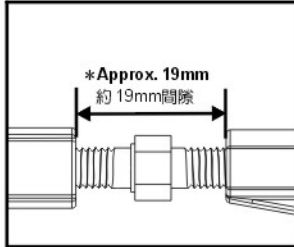
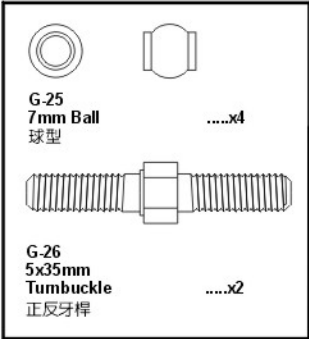
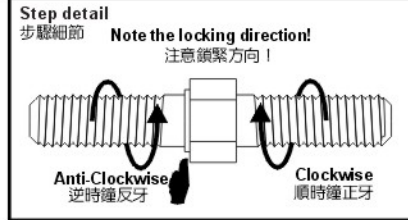
後上擺臂組合

BAG NO.2
NO.4

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



RIGHT SIDE
右側



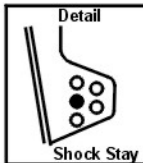
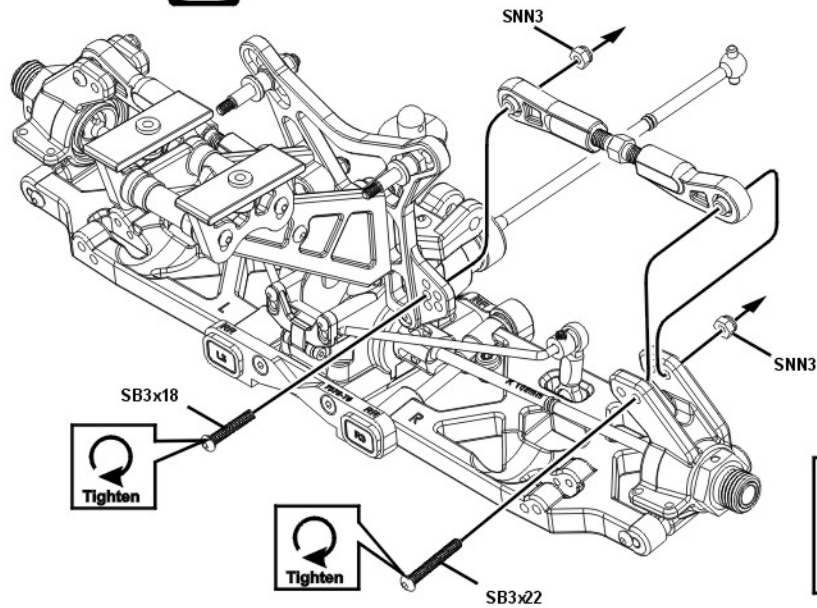
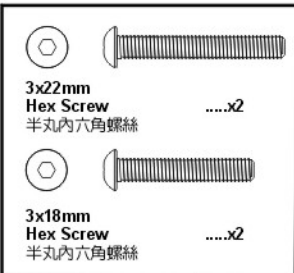
36 ASSEMBLY OF THE REAR UPPER ARMS

後懸吊系統組合

BAG NO.4

RIGHT SIDE
右側

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



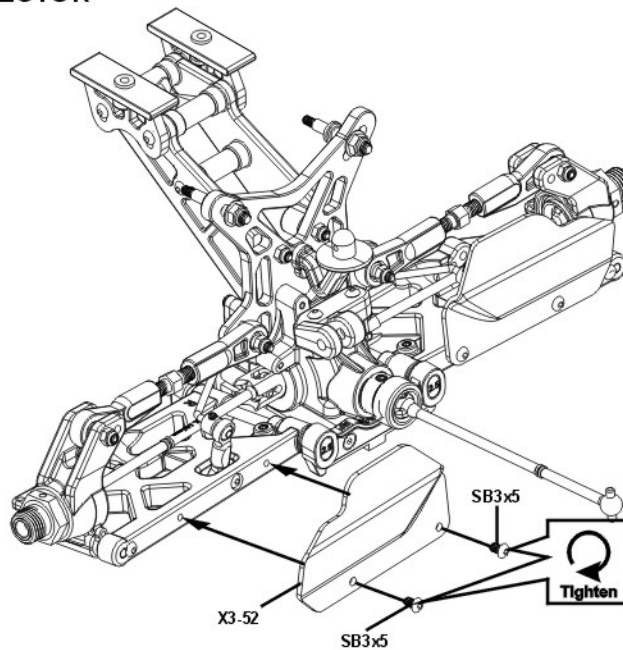
37 ASSEMBLY OF THE REAR MUD DEFLECTOR

後防泥板組合

BAG NO.2
NO.4

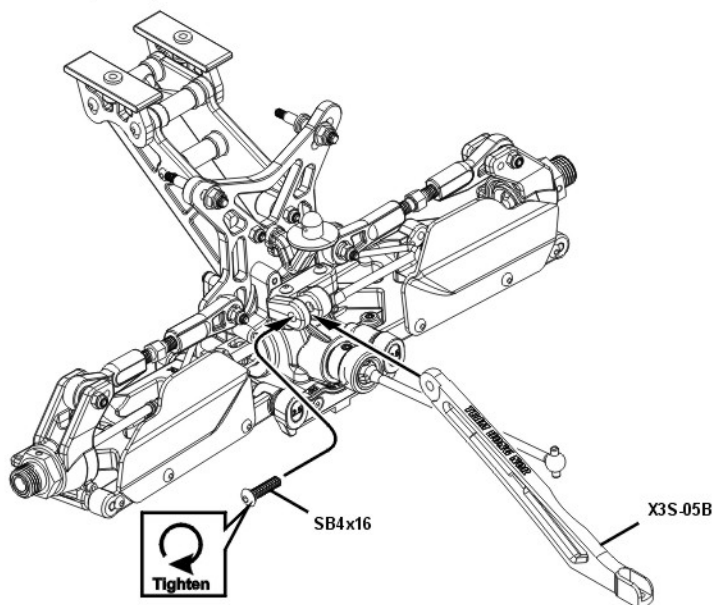
RIGHT SIDE
右側

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



39 ASSEMBLY OF THE REAR CENTER BRACE

後中央補強桿組合

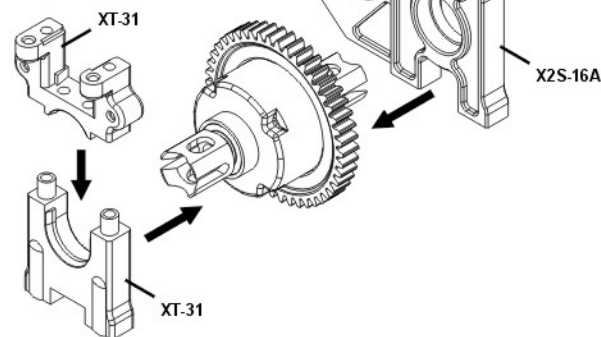


40 ASSEMBLY OF THE CENTER DIFF MOUNT

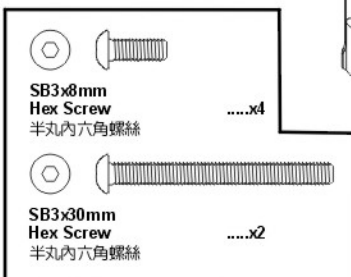
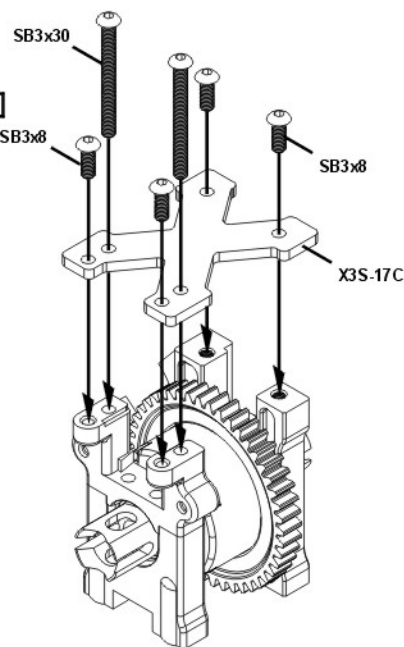
中差座組合



Step 1



Step 2

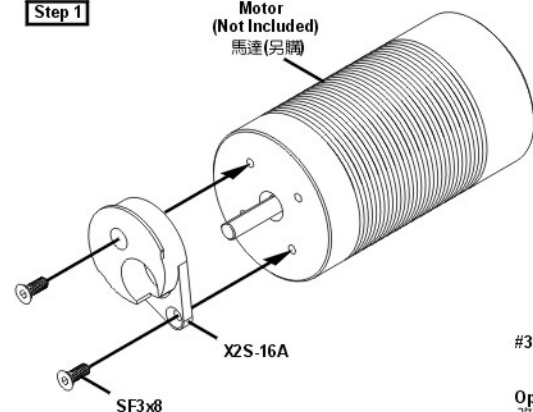


41 ASSEMBLY OF THE MOTOR MOUNT

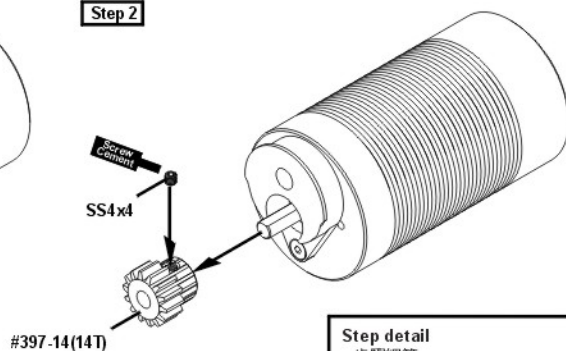
馬達座組合



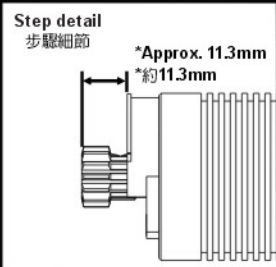
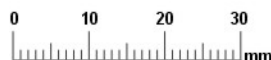
Step 1



Step 2



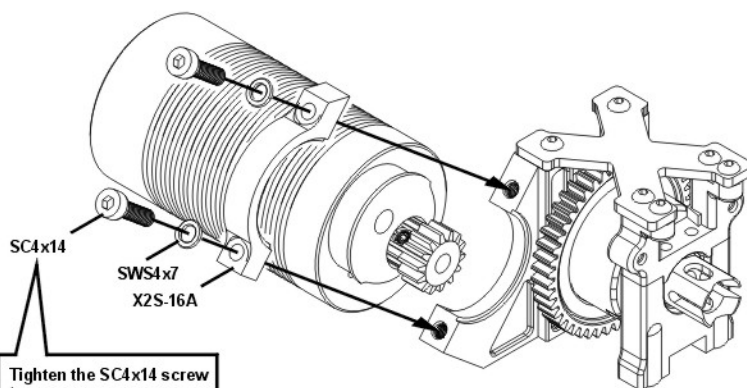
Option: #397-13 (13T)
改裝品 #397-15 (15T)
#397-16 (16T)
#397-17 (17T)



42 ASSEMBLY OF THE MOTOR MOUNT 馬達座組合



NO.5



SC4x14

SWS4x7
X2S-16A

Tighten the SC4x14 screw temporary.
暫時鎖緊 SC4x14 螺絲。



SWS4x7mm
Spring Washer
彈簧墊片

....x2



SC4x14mm
Cap Screw
有頭內六角螺絲

....x2

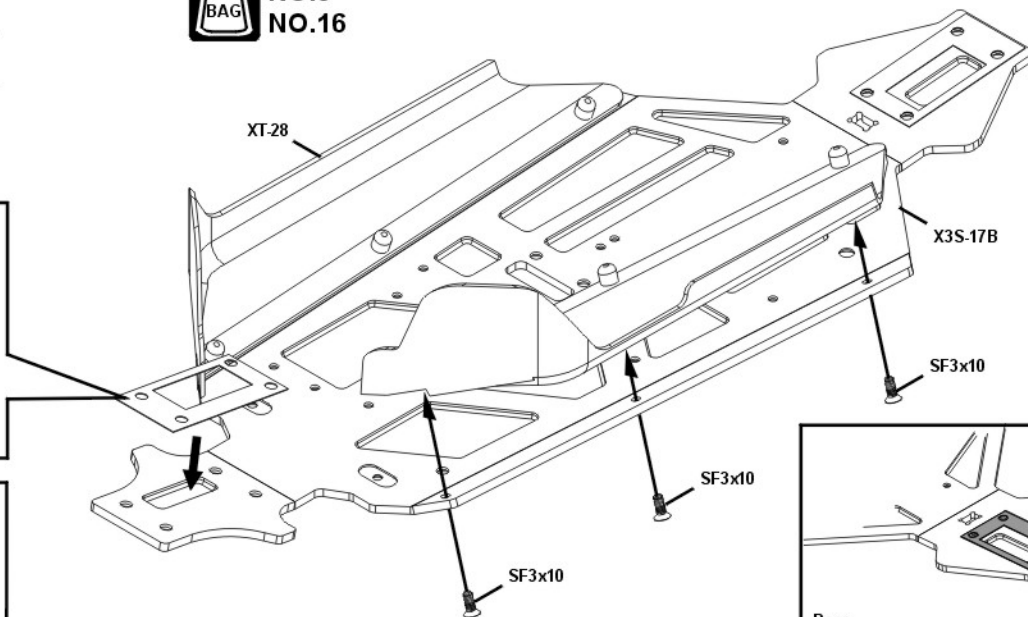
43 ASSEMBLY OF THE STONE GUARD 防塵板組合



NO.6

NO.16

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



XT-28

X3S-17B

SF3x10

SF3x10

SF3x10

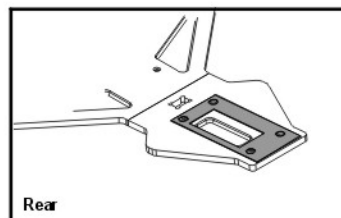
X3-64

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



SF3x10mm
Flat Head Hex Screw
半丸內六角螺絲

....x6



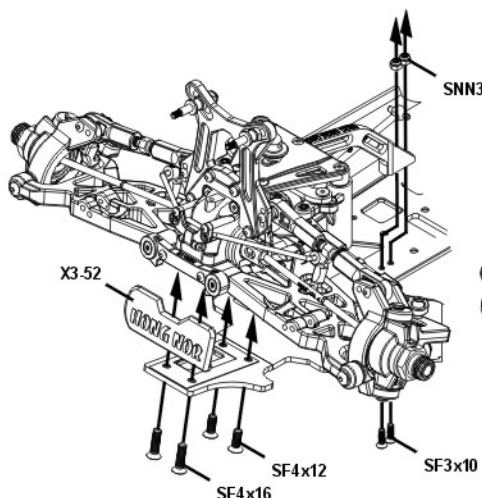
Rear

44 ASSEMBLY OF THE FRONT GEAR CASE ONTO CHASSIS 組合前齒輪箱至底盤



NO.2

NO.16



SNN3

X3-52

SF4x12

SF4x16

SF3x10



Fill the right amount of grease.
添加適量的潤滑油。



SF3x10mm
Flat Head Hex Screw
半丸內六角螺絲

....x4



SF4x12mm
Flat Head Hex Screw
半丸內六角螺絲

....x2



SF4x16mm
Flat Head Hex Screw
半丸內六角螺絲

....x2



SNN3mm
Nylon Nut
尼龍螺帽





....x2

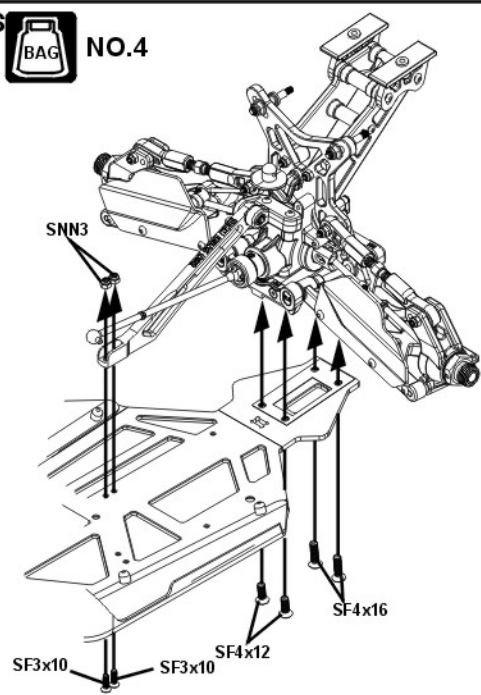
45 ASSEMBLY OF THE REAR GEAR CASE ONTO CHASSIS

組合後齒輪箱至底盤



NO.4

-  SF3x10mm Flat Head Hex Screwx2
皿頭內六角螺絲
-  SF4x12mm Flat Head Hex Screwx2
皿頭內六角螺絲
-  SF4x16mm Flat Head Hex Screwx2
皿頭內六角螺絲
-  SNN3mm Nylon Nutx2
尼龍螺帽



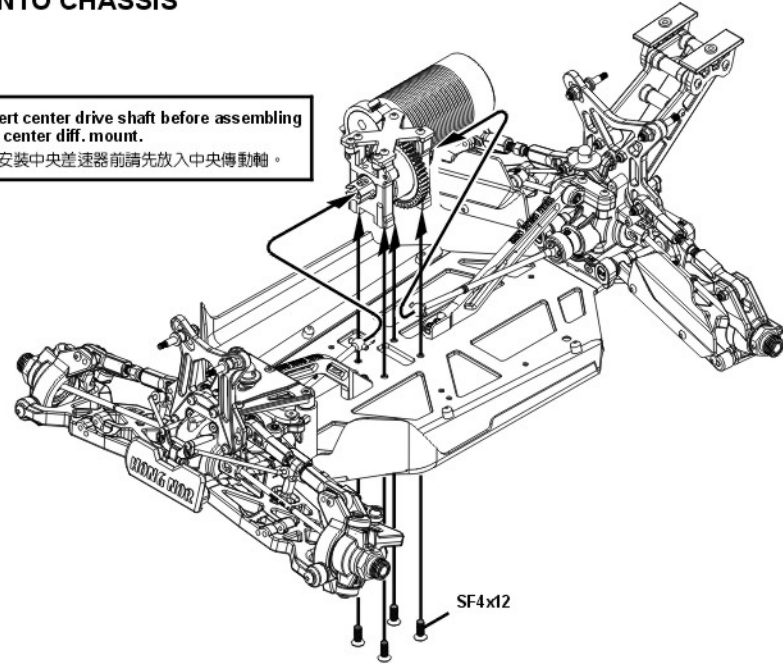
46 ASSEMBLY OF THE CENTER DIFF. ONTO CHASSIS


組合中差座至底盤



NO.5

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



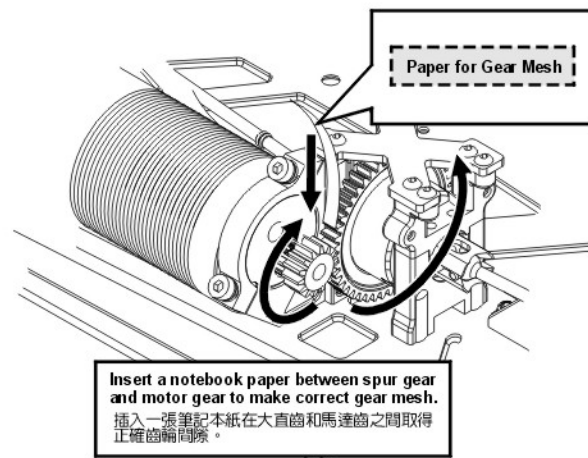
-  SF4x12mm Flat Head Hex Screwx4
皿頭內六角螺絲

47 ADJUST MOTOR AND SPUR GEAR MAINTENANCE

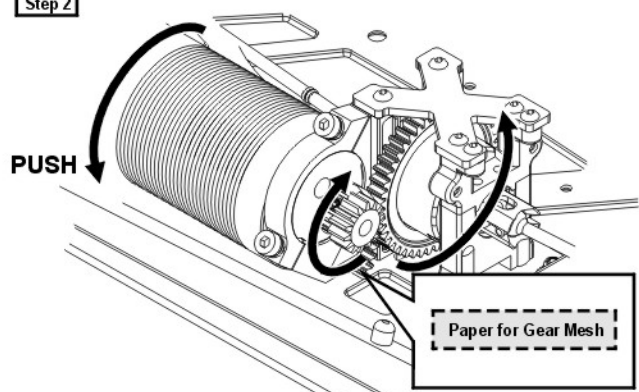
調整馬達與大直齒距離

EXTREMELY IMPORTANT 非常重要

Step 1

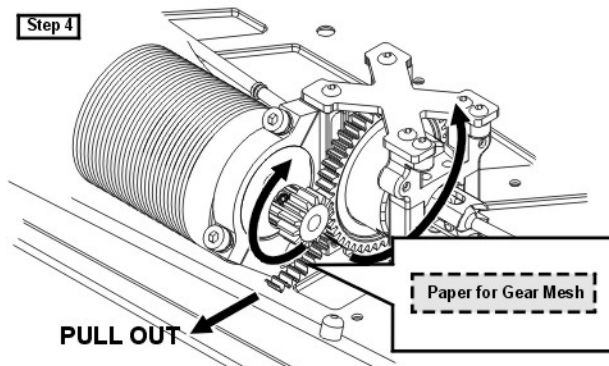
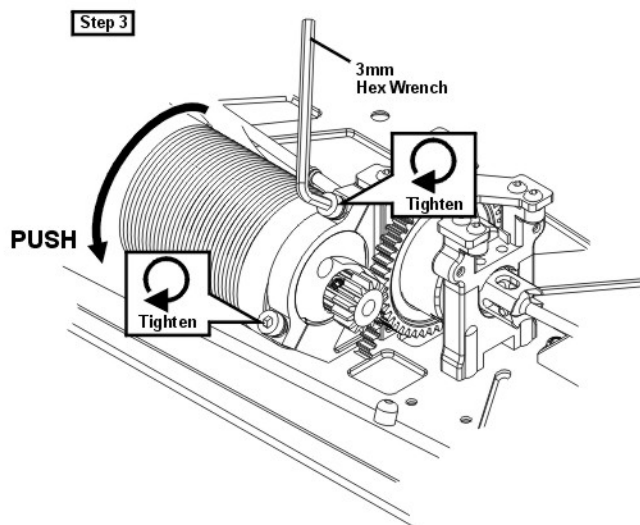


Step 2



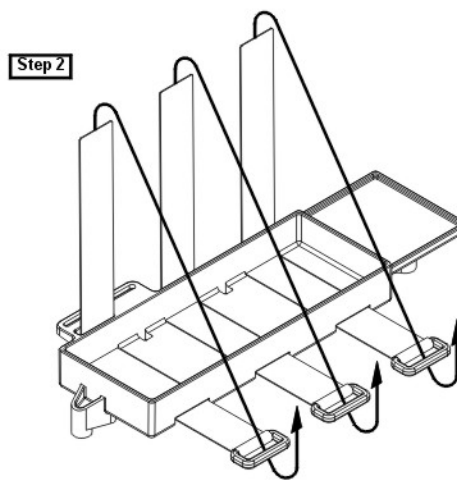
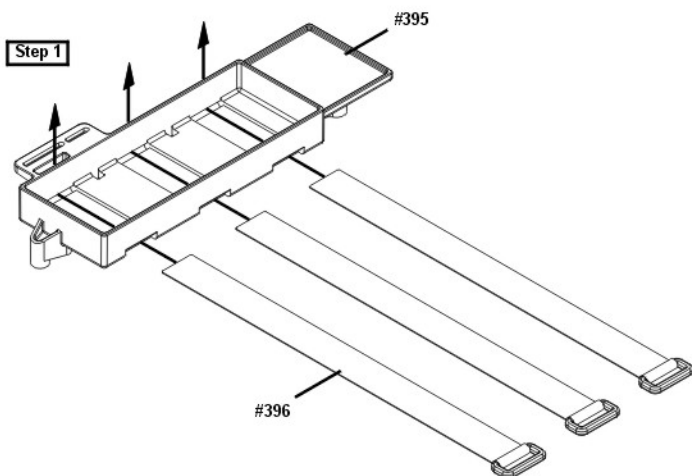
48 ADJUST MOTOR AND SPUR GEAR MAINTENANCE 調整馬達與大直齒距離

EXTREMELY IMPORTANT 非常重要

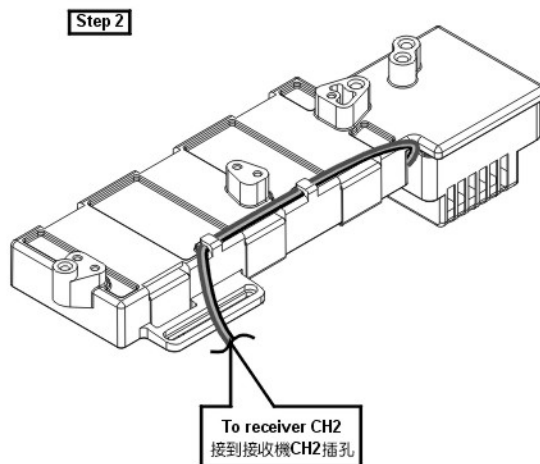
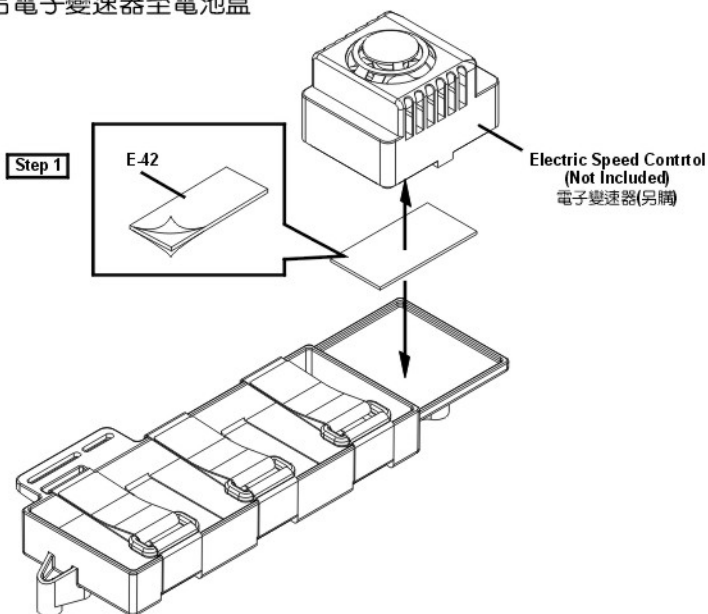


- Adjust the motor mount position to get proper gear mesh.
調整馬達座位置取得齒輪間隙。
- To get a perfect gear mesh, place a piece of notebook paper between the gears and tighten the motor mount screws.
要取得完美的齒輪間隙，需放置一張筆記本紙在齒輪之間並鎖緊馬達座螺絲。
- The spur gear may be damaged if the gear mesh is not correct.
如果齒輪間隙不正確會導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

49 ASSEMBLY OF THE VELCRO BATTERY STRAPS INTO BATTERY CASE 組合魔術粘束帶至電池盒



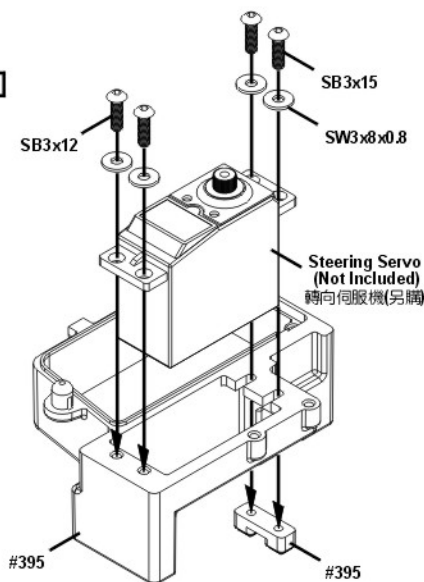
50 ASSEMBLY OF THE ELECTRIC SPEED CONTROL 組合電子變速器至電池盒



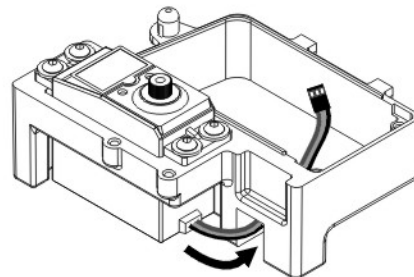
51 ASSEMBLY OF THE STEERING SERVO ONTO RADIO CASE

組合轉向伺服機至接收機盒

Step 1



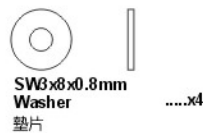
Step 2



SB3x12mm
Hex Screwx2
半丸內六角螺絲



SB3x15mm
Hex Screwx2
半丸內六角螺絲

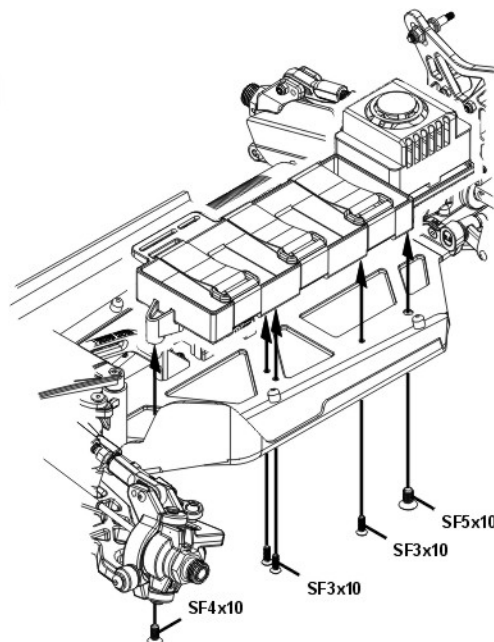


SW3x8x0.8mm
Washerx4
墊片

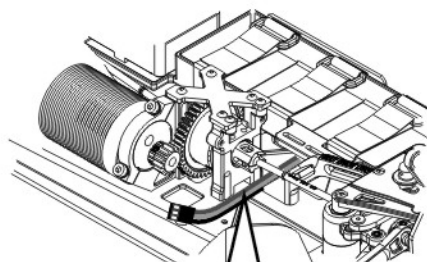
52 ASSEMBLY OF THE BATTERY CASE ONTO CHASSIS

組合電池盒至底盤

Step 1



Step 2



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



SF3x10mm
Flat Head Hex Screwx3
皿頭內六角螺絲



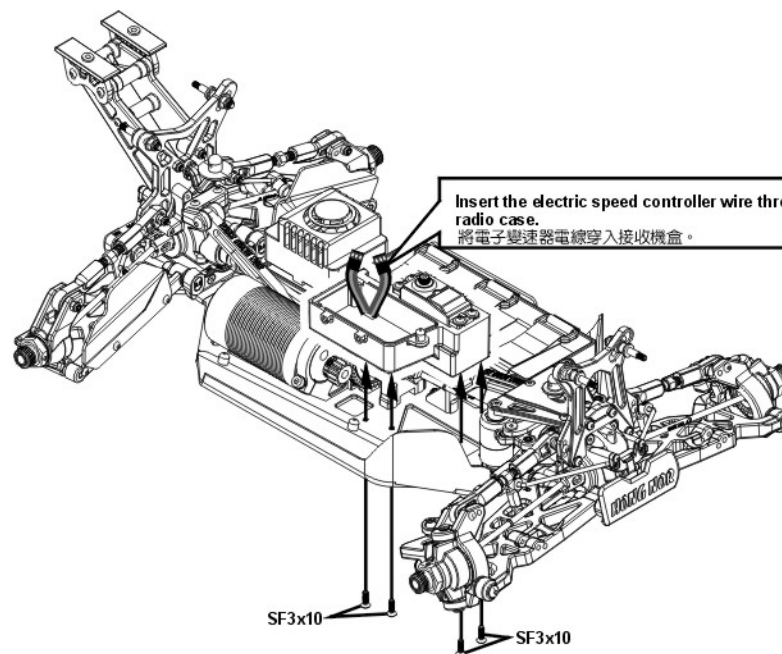
SF4x10mm
Flat Head Hex Screwx1
皿頭內六角螺絲



SF5x10mm
Flat Head Hex Screwx1
皿頭內六角螺絲

53 ASSEMBLY OF THE RADIO CASE ONTO CHASSIS

組合收機盒至底盤



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



SF3x10mm
Flat Head Hex Screwx4
皿頭內六角螺絲

54 ASSEMBLY OF THE RECEIVER INTO RADIO CASE

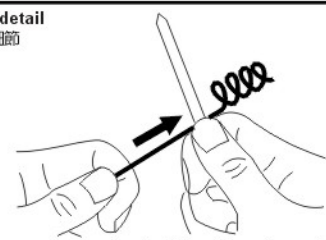
組合接收機到接收機盒

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

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

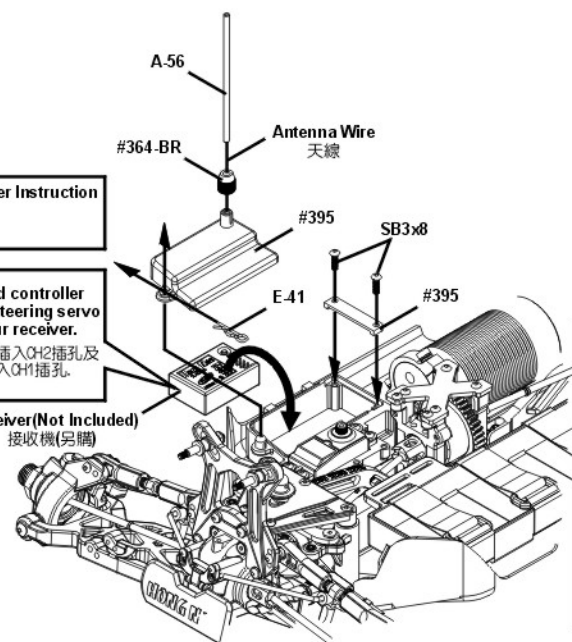
⚠ Do not cut or shorten antenna wire.
請勿裁切或縮短天線。

Step detail
步驟細節



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

SB3x8mm Hex Screw
半丸內六角螺絲x2

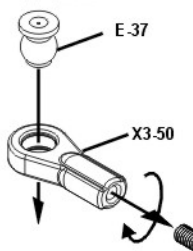


55 ASSEMBLY OF THE STEERING ROD

轉向拉桿組合

BAG NO.2 NO.11

Step 1



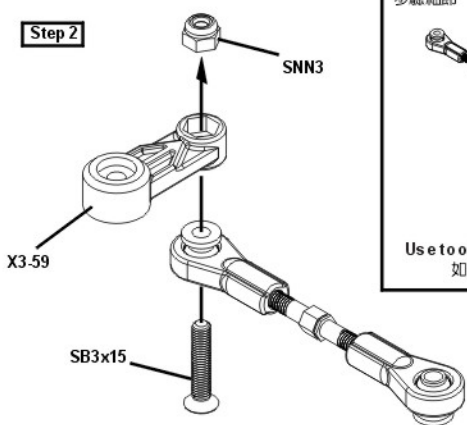
Step detail
步驟細節

Note the locking direction!
注意鎖緊方向!

Clockwise
順時鐘正牙

Anti-Clockwise
逆時鐘反牙

Step 2



Step detail
步驟細節

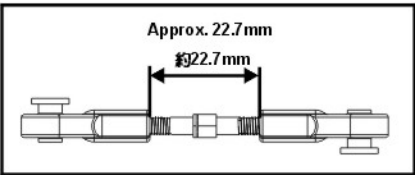


Use tools to tighten as shown.
如圖示使用工具鎖緊。

SB3x15mm Hex Screw
半丸內六角螺絲x1

E-37 6mm Ball and socketx2
球型座

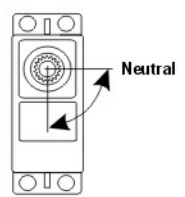
SNN3mm Nylon Nutx1
尼龍螺帽



56 ASSEMBLY OF THE STEERING ROD ON STEERING SERVO

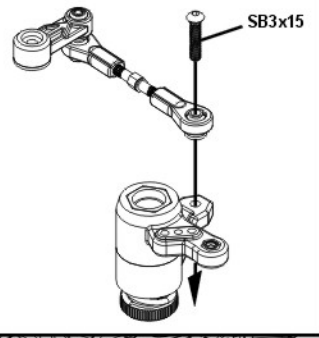
組合轉向拉桿到轉向伺服機

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



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

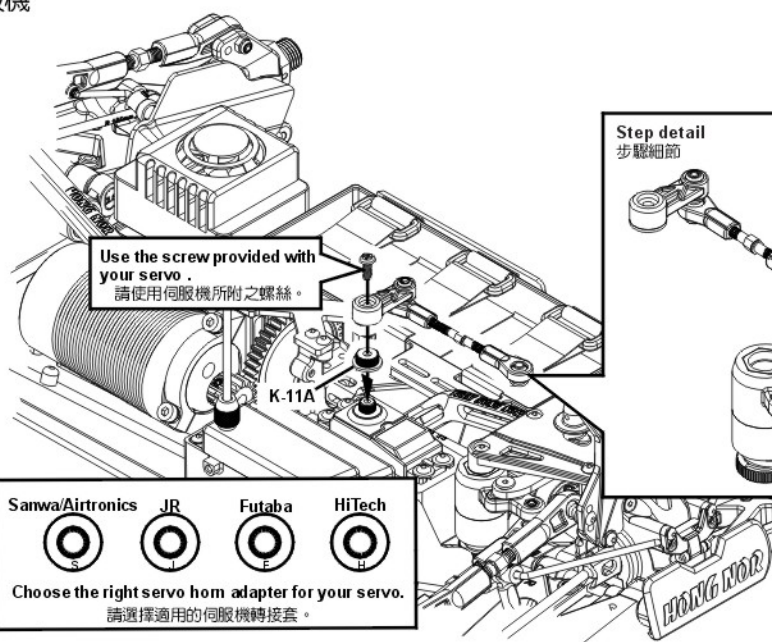
Step detail
步驟細節



SB3x15mm Hex Screw
半丸內六角螺絲x1

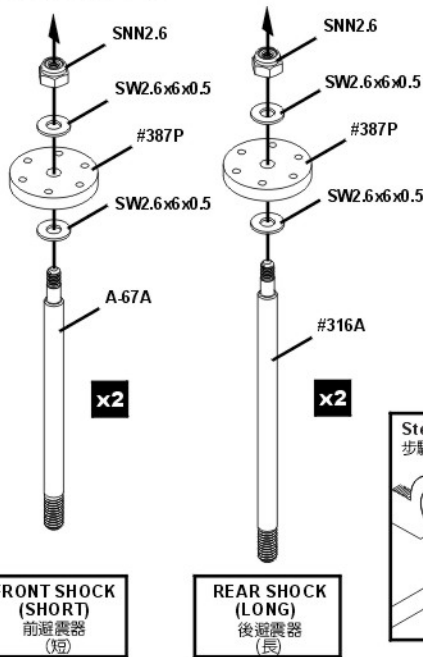
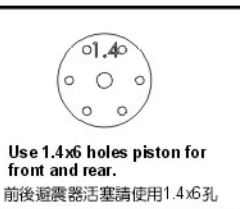
Sanwa/Airtronics JR Futaba HiTech

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



57 ASSEMBLY OF THE SHOCK SHAFTS

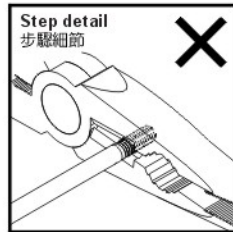
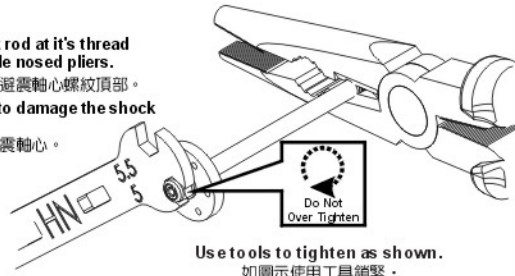
組合避震器



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

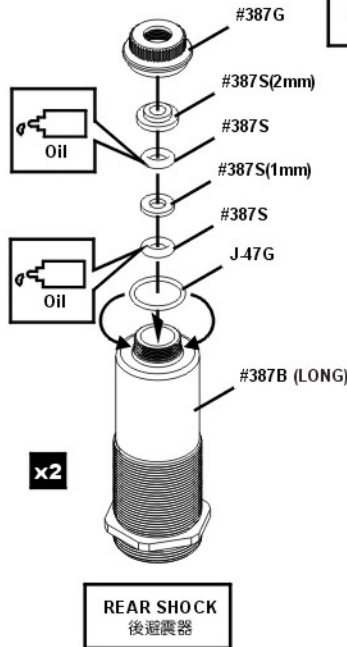
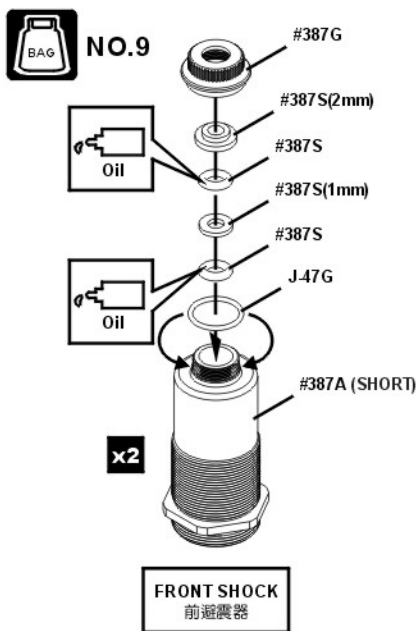
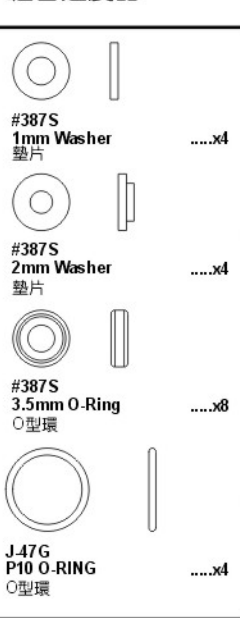
Step detail 步驟細節

- 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。



58 ASSEMBLY OF THE SHOCK O-RING

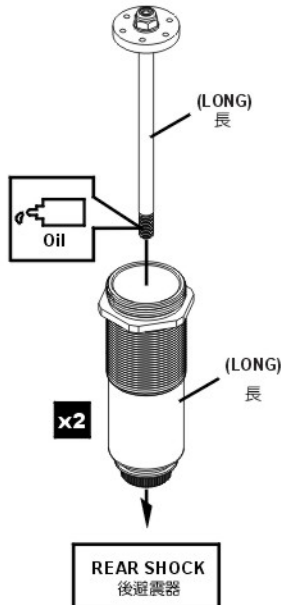
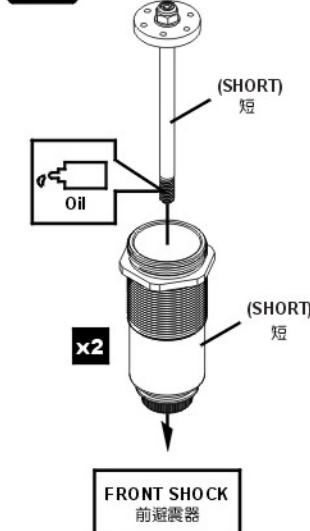
組合避震器



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

59 ASSEMBLY OF THE SHOCK SHAFTS INTO SHOCK BODIES

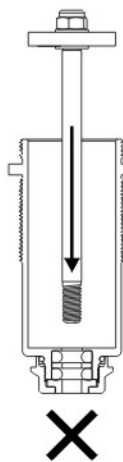
組合避震器



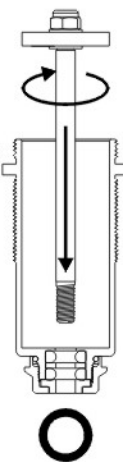
Assemble both left and right sides.
請組合左 / 右兩側。

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旋轉穿過避震套筒底部。



60 ASSEMBLY OF THE SHOCK ADJUST RING

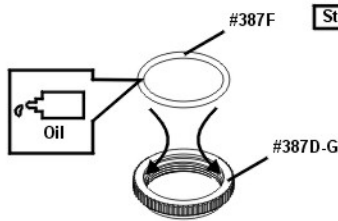
組合避震器



NO.9

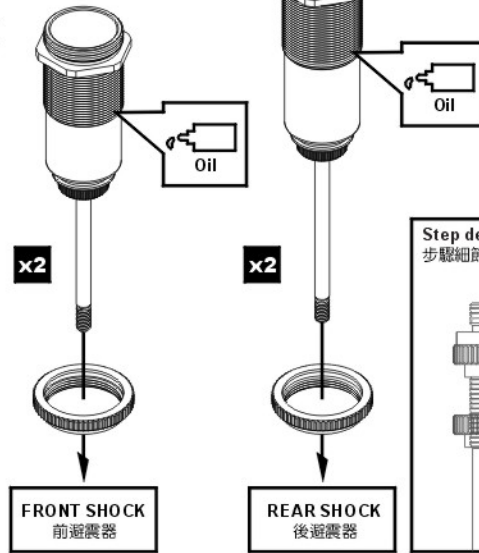
Assemble both left and right sides.
請組合左/右兩側。

Step 1

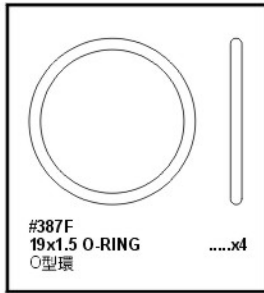
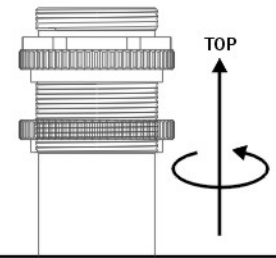


Fit the o-ring into groove before assembly.
將O環預先裝入調整環的溝槽內

Step 2



Step detail
步驟細節



#387F
19x1.5 O-RING
O型環

.....x4

61 ASSEMBLY OF THE SHOCK BALL END

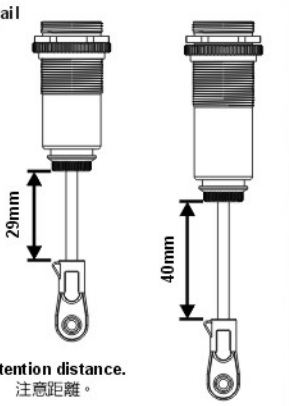
組合避震器



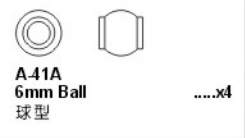
NO.9

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

Step detail
步驟細節

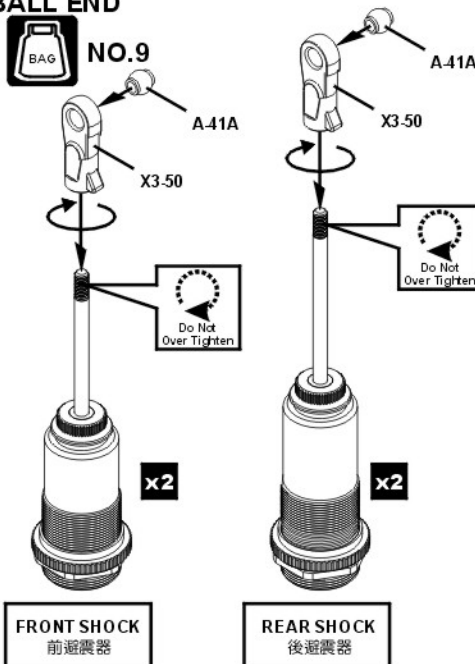


Attention distance.
注意距離。



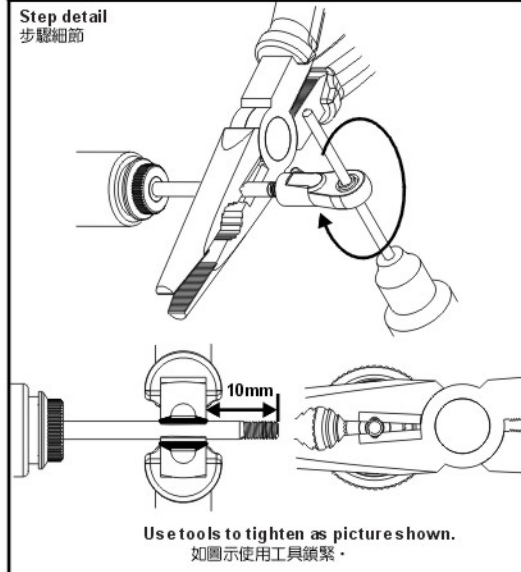
A-41A
6mm Ball
球型

.....x4



Do Not
Over Tighten

Step detail
步驟細節



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

62 SETTING THE SHOCK REBOUND TO 100% (HIGH REBOUND)

設置避震器反彈到 100% (高反彈)



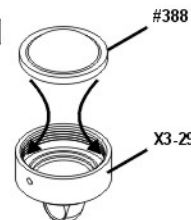
NO.9

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

FRONT (SHORT) SHOCKS OIL #60
前(短)避震器油 #60

REAR (LONG) SHOCKS OIL #50
後(長)避震器油 #50

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

TIGHTENED 100%
完全鎖緊

Step 1

Step 2

Step 3

Step 5

Step 6

3~5x
UP & DOWN
上下拉動



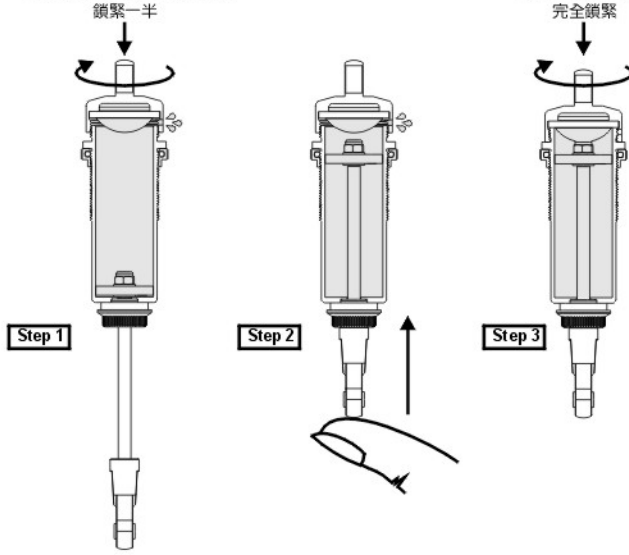
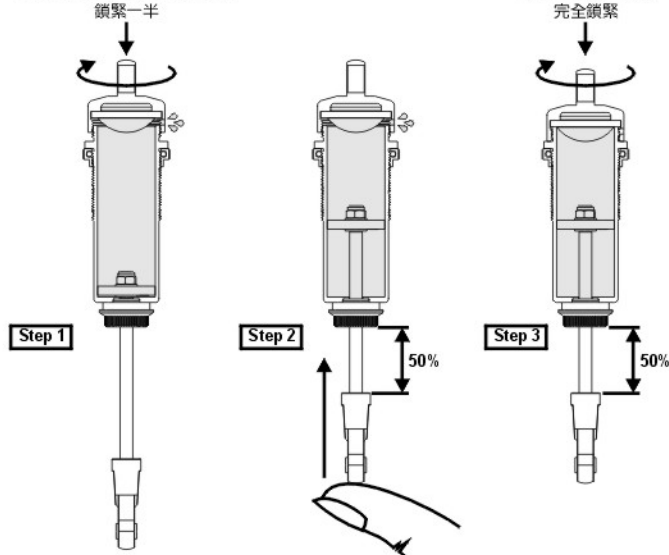
63 SETTING THE SHOCK REBOUND TO 50% & 0% (MEDIUM REBOUND & LOW REBOUND)
 設置避震器反彈到 50% 與 0% (適中反彈與低反彈)

TIGHTENED HALF WAY 50%
鎖緊一半

TIGHTENED 100%
完全鎖緊

TIGHTENED HALF WAY 50%
鎖緊一半

TIGHTENED 100%
完全鎖緊



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

NO.9

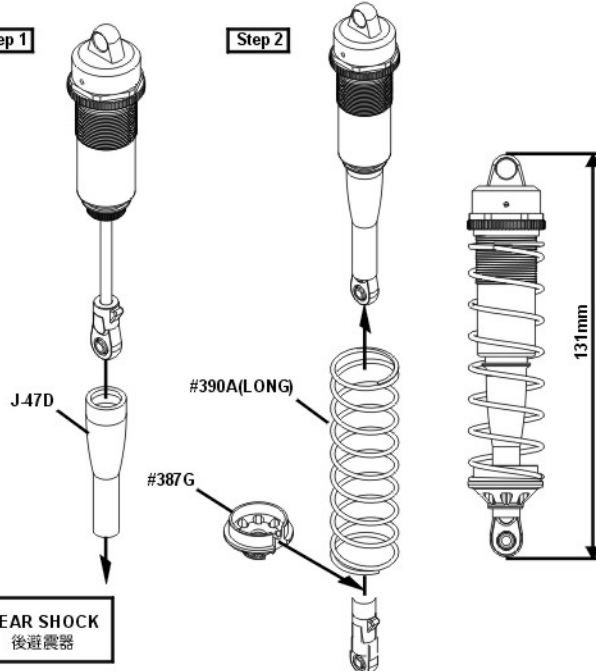
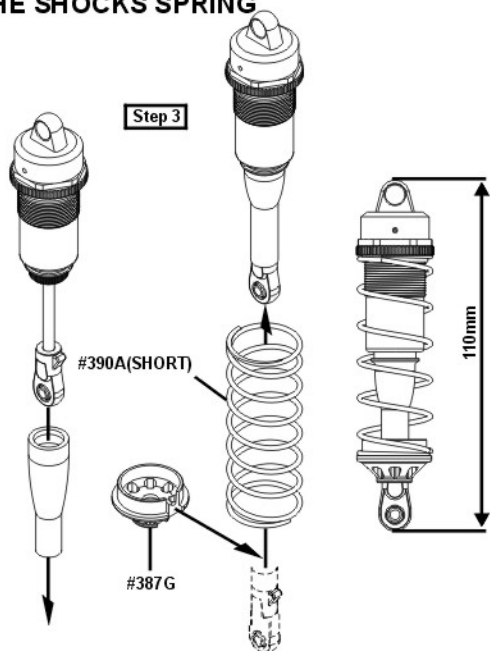
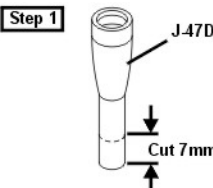


Step 2

Step 3

Step 1

Step 2



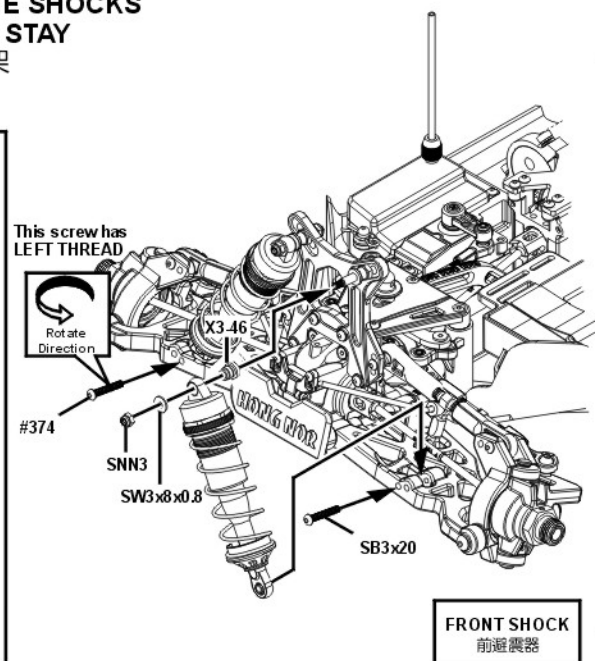
FRONT SHOCK
前避震器

REAR SHOCK
後避震器

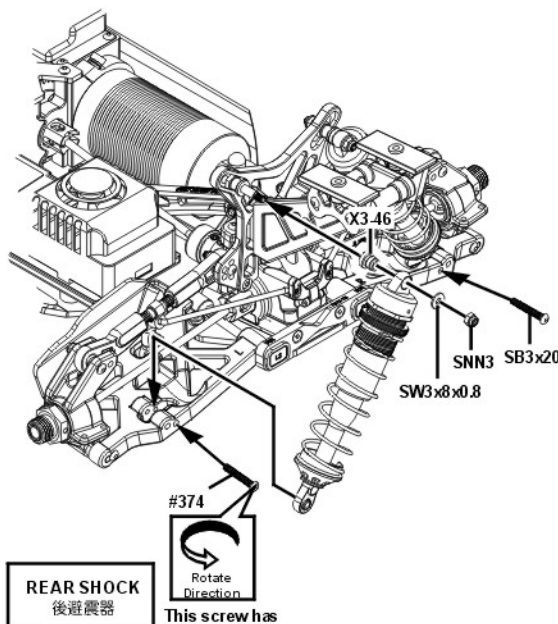
65 ASSEMBLY OF THE SHOCKS INTO THE SHOCK STAY
組合避震器至油壓架

組合避震器至油壓架

- SNN3mm Nylon Nut 尼龍螺帽x4
- SW3x8x0.8 Washer 墊片x4
- SB3x20mm Hex Screw 半丸內六角螺絲x2
- #374 3x20mm Left Thread Hex Screw 反牙半丸內六角螺絲x2



FRONT SHOCK
前避震器



REAR SHOCK
後避震器

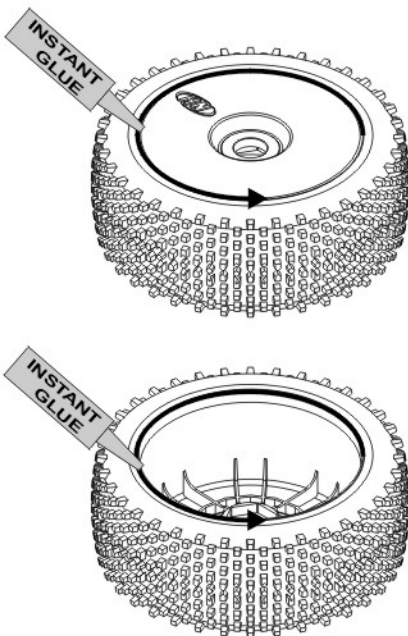
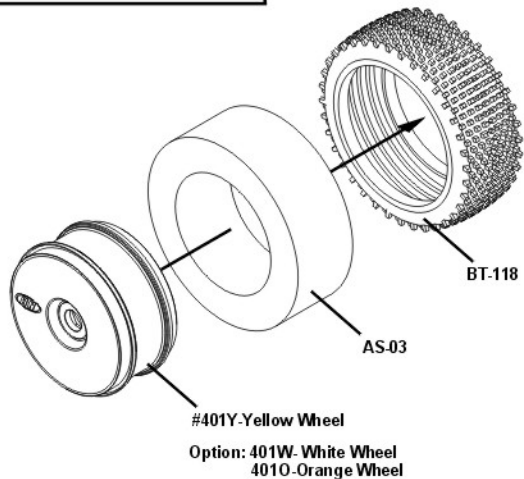
66 ASSEMBLY OF THE TIRES AND WHEELS

組合輪胎與輪框

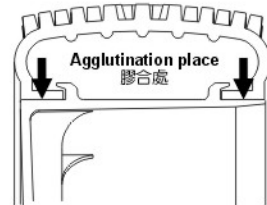
 NO.12

Step 1

Make four tires 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.

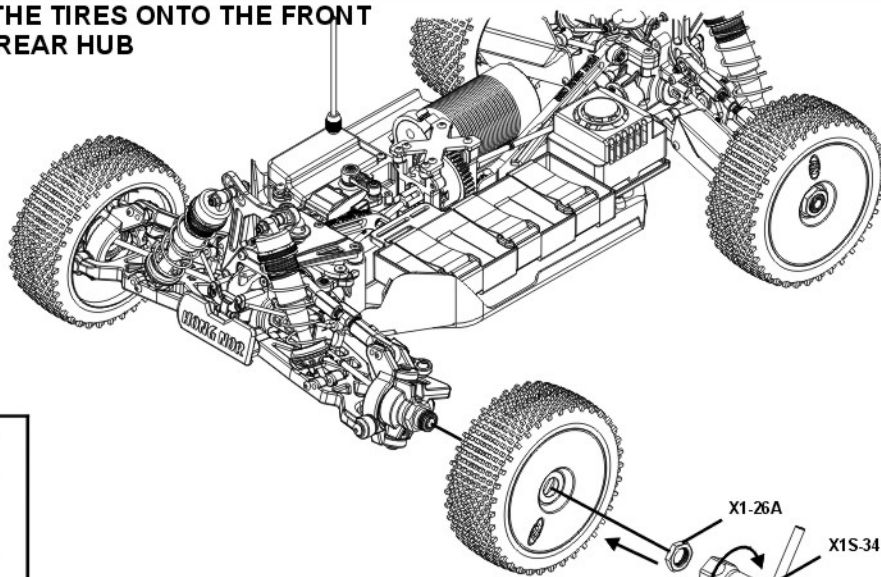
請在輪圈與輪胎接合處用「瞬間膠水」粘合。並等其乾固之後再粘另一面。

●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。

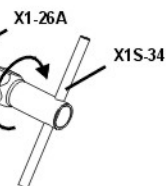
67 ASSEMBLY OF THE TIRES ONTO THE FRONT KNUCKLE AND REAR HUB

組合輪胎至車體



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

X1-26A
Wheel Nut
鋁六角螺帽
.....x4

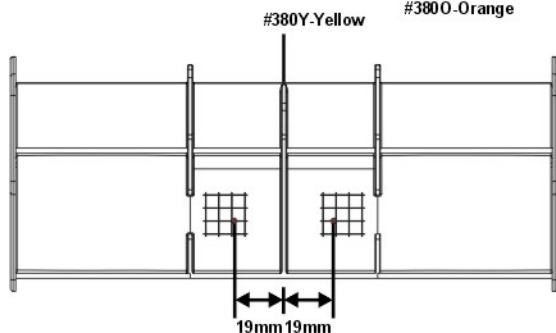


To tighten the Wheel Nut you can also use 17mm Wheel Nut Tool.(X1S-34)
你可以使用17mm六角套筒板手鎖緊輪胎螺帽。(X1S-34)

68 ASSEMBLY OF THE WING

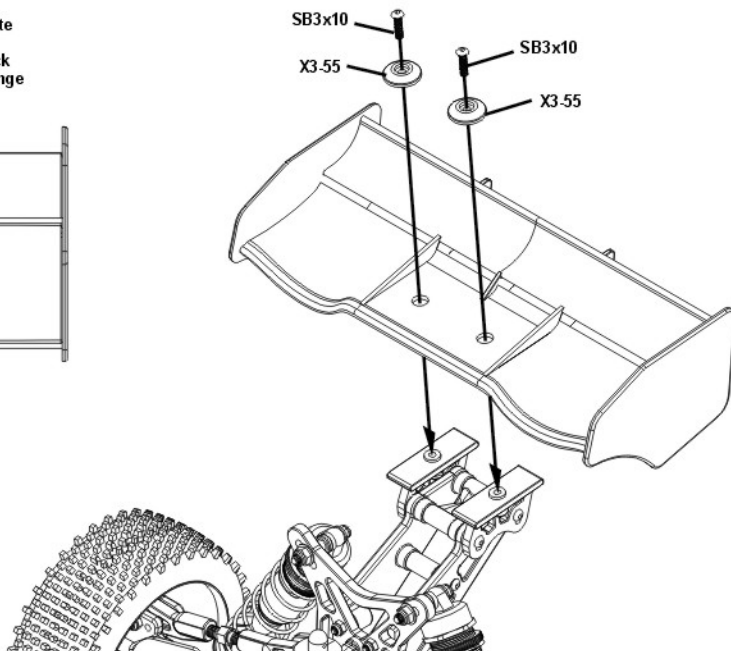
組合定風翼

Option: #380W-White
#380R-Red
#380B-Black
#380O-Orange



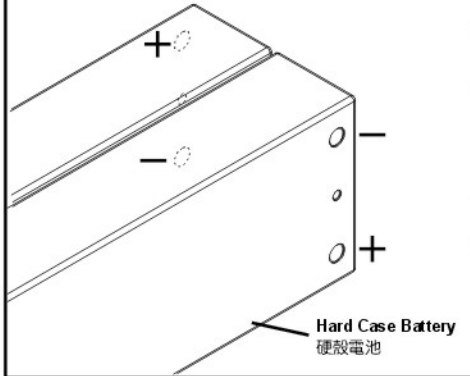
Drill two 7mm holes for mounting.
在圖示位置使用鑽孔器鑽出7mm孔。

SB3x10mm
Hex Screw
半孔內六角螺絲
.....x2

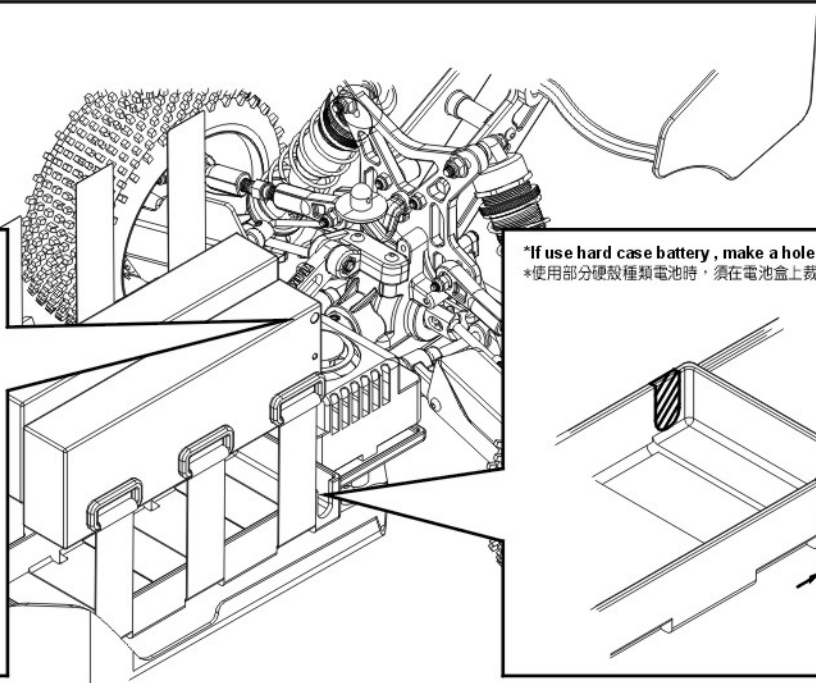


69 BATTERY INSTALL 安裝電池

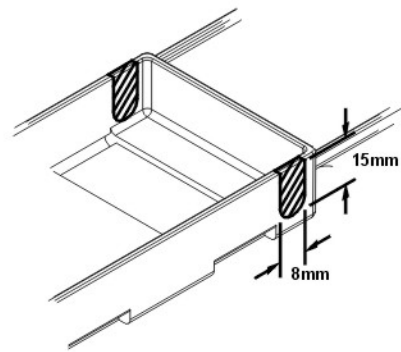
*Be aware of the Negative and Positive connects direction of the battery.
*電線跨接時請注意正負極方向。



Hard Case Battery
硬殼電池



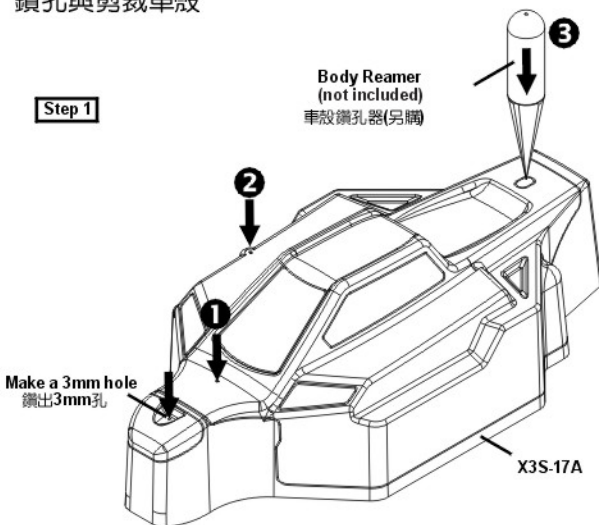
*If use hard case battery , make a hole as picture shown.
*使用部分硬殼種類電池時，須在電池盒上裁出如圖所示的開口。



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

鑽孔與剪裁車殼

Step 1



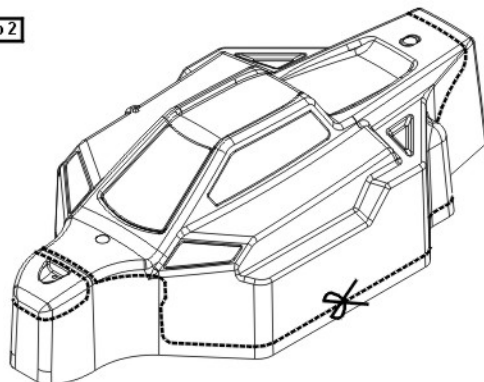
Body Reamer
(not included)
車殼鑽孔器(另購)

Make a 3mm hole
鑽出3mm孔

X3S-17A

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

Step 2

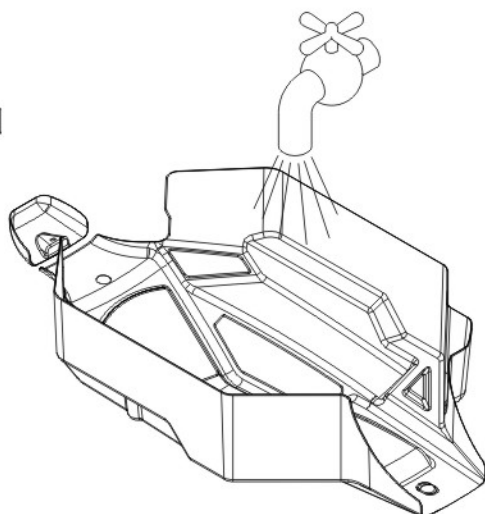


Cut the body shell as shown.
如圖示裁剪車殼。

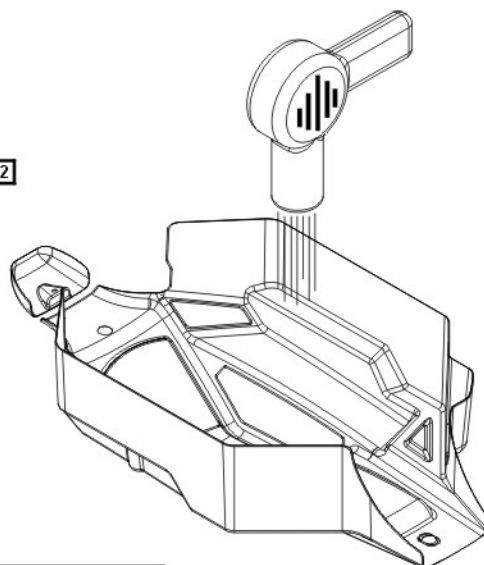
71 WASH THE INSIDE OF THE BODY SHELL 清洗車殼內部

清洗車殼內部

Step 1



Step 2

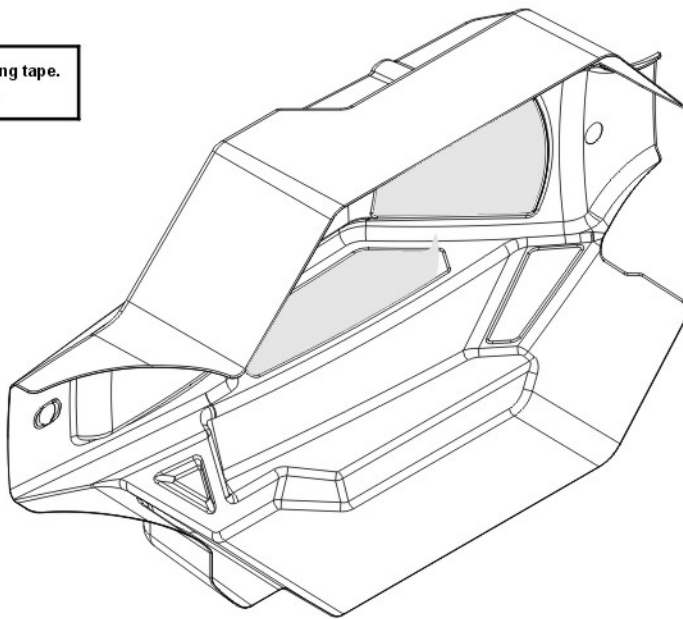


Wash the inside of the body shell with mild detergent,
and then rinse and dry thoroughly.
用中性清潔劑清洗車身內部，然後沖洗乾淨並充分烘乾。

72 PAINTING BODY SHELL

塗裝車殼

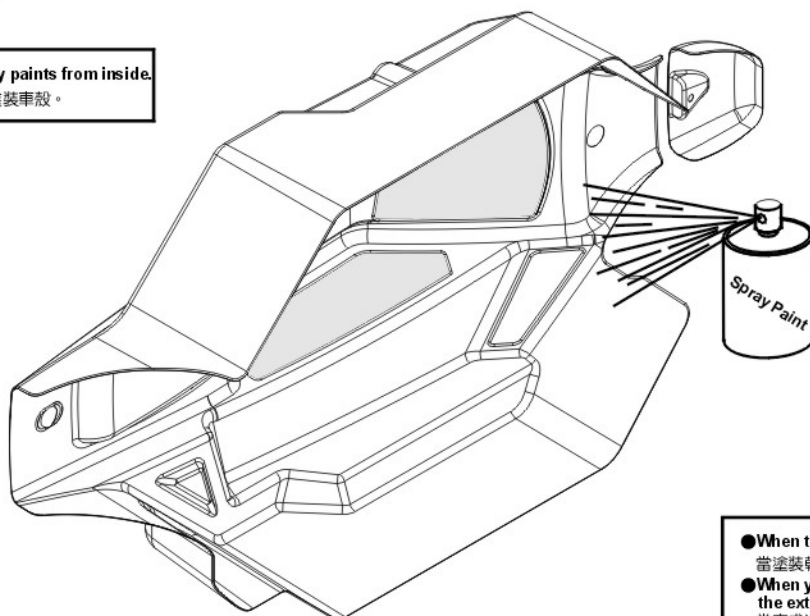
Mask the windows on the inside with masking tape.
使用車窗覆蓋紙由內面貼上車窗部份。



73 PAINTING BODY SHELL

塗裝車殼

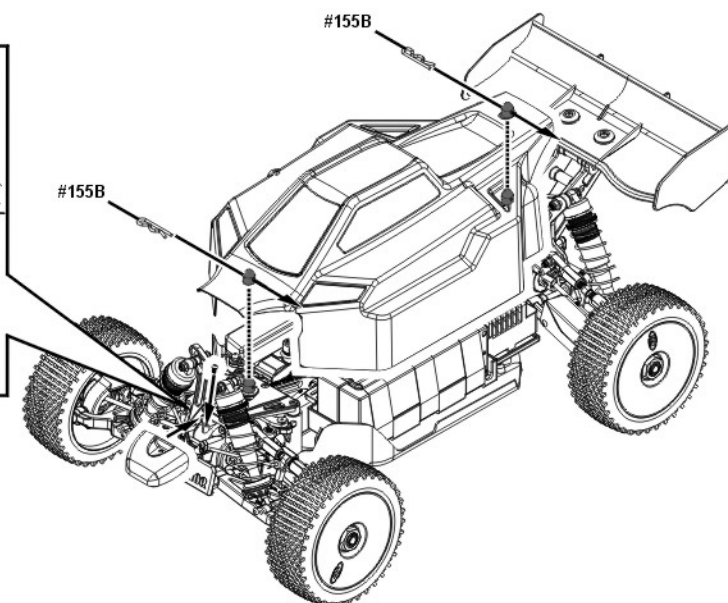
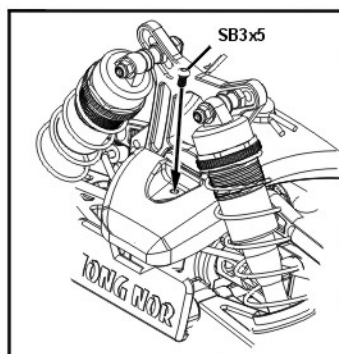
Paint the body with polycarbonate spray paints from inside.
由內面貼上彩繪貼紙再使用車殼專用噴漆塗裝車殼。



- When the paint is dry, remove the masking.
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。

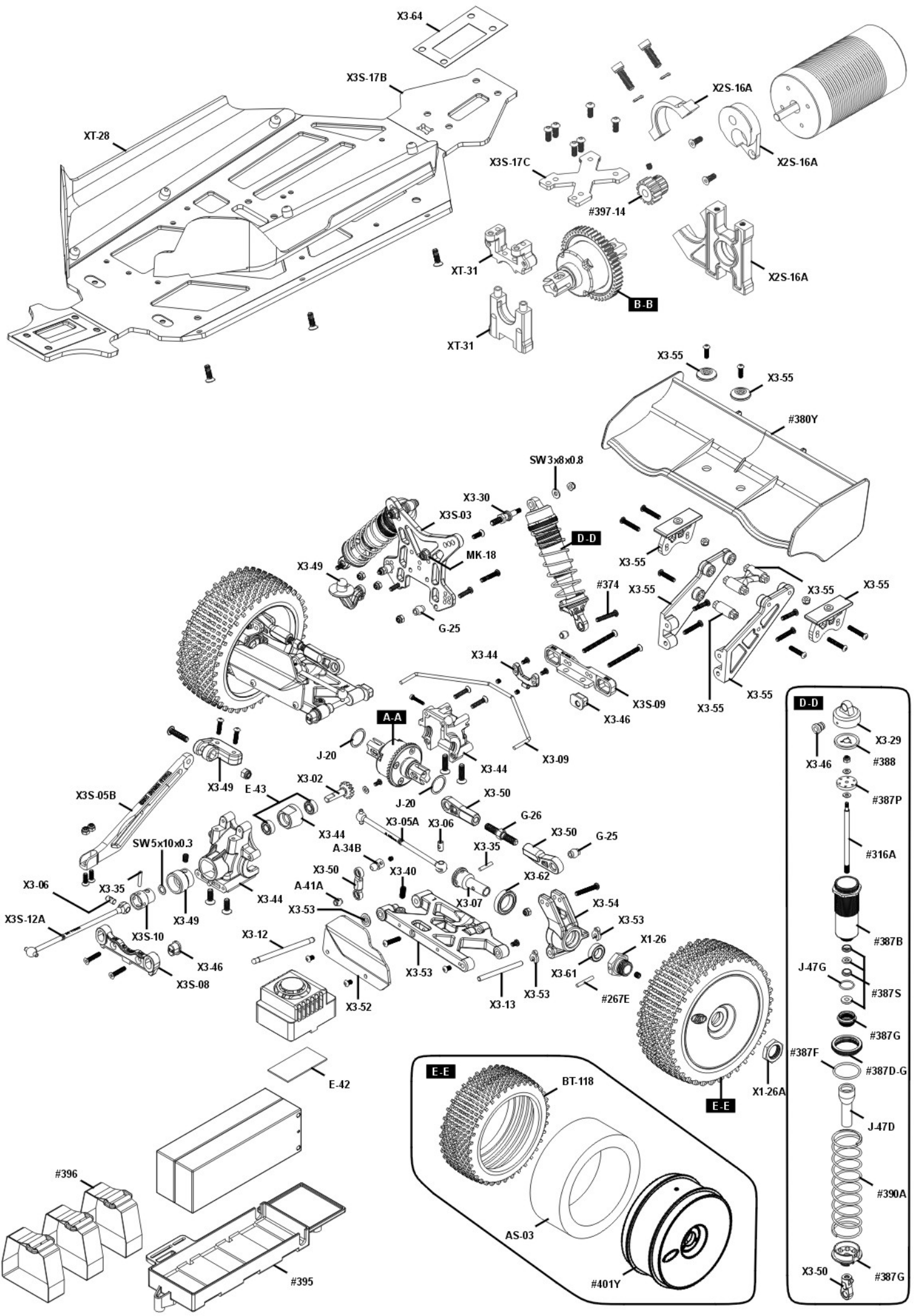
74 MOUNTING THE BODY SHELL

安裝車殼

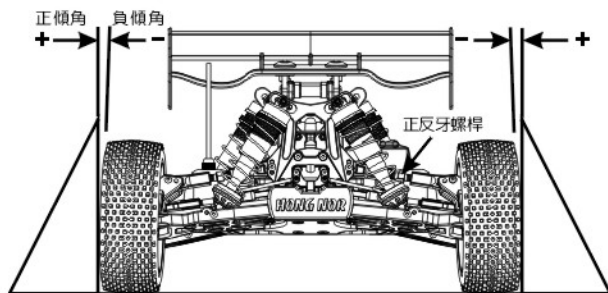


SB3x5mm
Hex Screw
半孔內六角螺絲

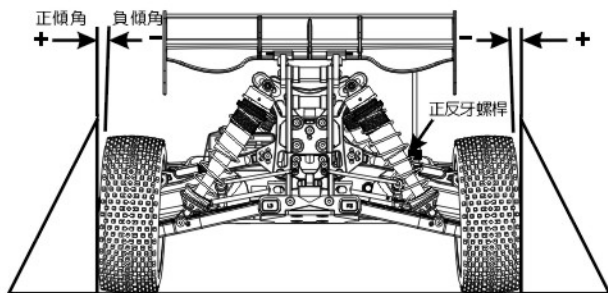
....x1



前輪傾角調整

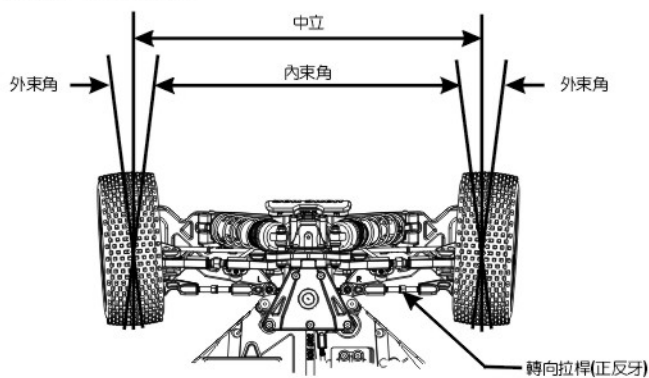


後輪傾角調整



- 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

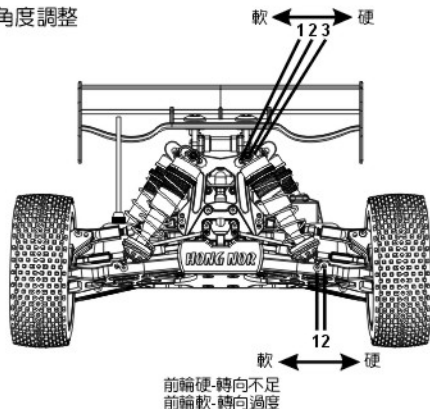


改變前輪轉向拉桿之長度可以改變前輪“內束角”與“外束角”。

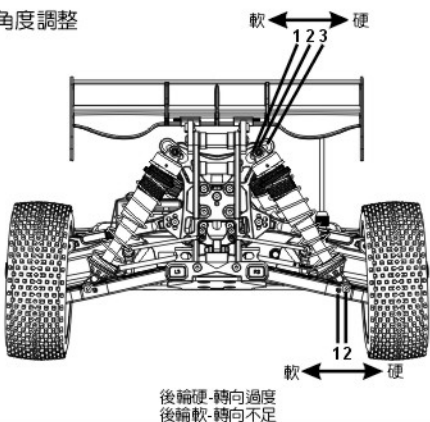
1. 將前輪轉向拉桿加長，前輪會變成向外束角。此時轉向反應會變慢，並且有轉向過度情形產生。
2. 將前輪轉向拉桿變短，前輪會變成向外束角。此時轉向反應會變快，並且有轉向不足情形產生。

- 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。

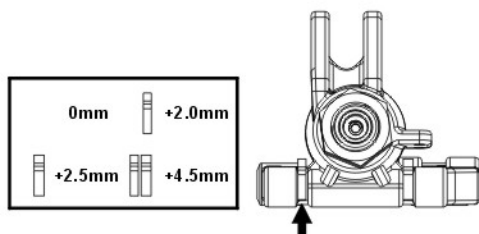
前油壓避震器角度調整



後油壓避震器角度調整



後輪軸距



- 透過使用在後輪座的插扣來調整軸距。
- 重要事項：後輪座左右邊的插扣必需相同。

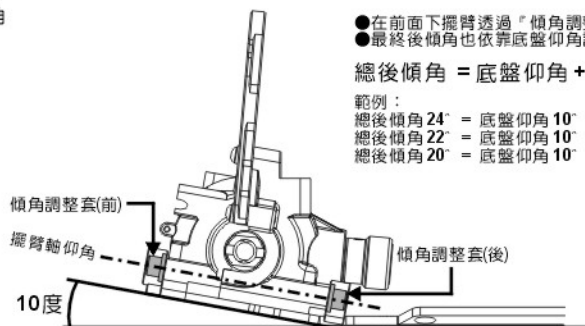
短軸距

- 在後輪座的前方減少插扣。
- 在加速時增加重心向後移動。
- 油門開啟時增加抓地力。
- 油門關閉時轉向會進彎角較靈敏。
- 油門開啟時出彎有輕微的轉向不足。
- 增加轉向反應。
- 對於較急彎與技術性跑道有較好操控性。

長軸距

- 在後輪座的前方增加插扣。
- 減少加速時重心向後移動。
- 增加行車穩定性。
- 最初操控反應緩慢(油門關閉時)。
- 改善油門開啟時的出彎性。
- 在不良起伏及凹凸路面有較好操控性。
- 在較寬及高速彎角跑道有較好的控制性。

後傾角



- 在前面下擺臂透過“傾角調整套”，調整前面後傾角。
- 最終後傾角也依靠底盤仰角設定。

總後傾角 = 底盤仰角 + C型座後傾角 + 擺臂軸仰角

範例：

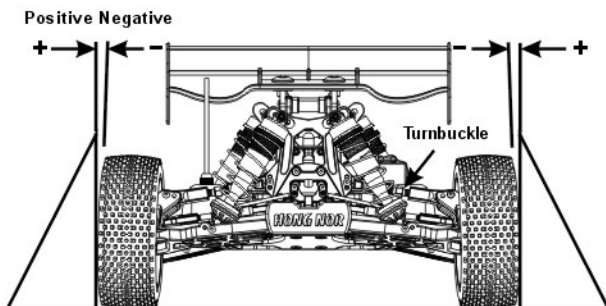
- 總後傾角 24° = 底盤仰角 10° + C型座後傾角 12° + 擺臂軸仰角 +2°
- 總後傾角 22° = 底盤仰角 10° + C型座後傾角 12° + 擺臂軸仰角 0°
- 總後傾角 20° = 底盤仰角 10° + C型座後傾角 12° + 擺臂軸仰角 -2°

後傾角	特性
較少的後傾角	<ul style="list-style-type: none"> ●油門關閉時增加轉向進彎反應。 ●油門開啟時降低進彎與出彎反應。 ●降低直線加速穩定性。
較多的後傾角	<ul style="list-style-type: none"> ●油門關閉時降低轉向進彎反應。 ●油門開啟時增加進彎與出彎反應。 ●增加直線加速穩定性。

傾角調整套(前)	擺臂軸仰角	傾角調整套(後)	傾角
○ 1°	+2°	○ 1°	24°
○ 0.5°	+1.5°	○ 1°	23.5°
○ 1°	+1°	○ 0°	23°
○ 0.5°	+0.5°	○ 0°	22.5°
○ 0°	0°	○ 0°	22°
○ 0°	-0.5°	○ 0.5°	21.5°
○ 0°	-1°	○ 1°	21°
○ 1°	-1.5°	○ 0.5°	20.5°
○ 1°	-2°	○ 1°	20°

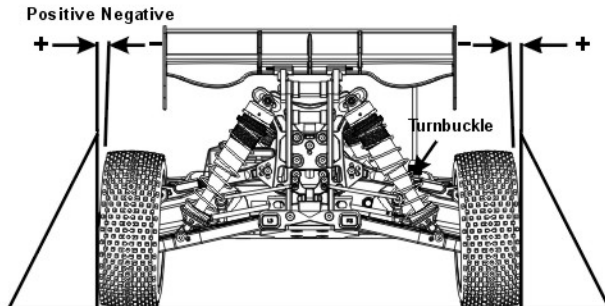
SETTING GUIDE

FRONT CAMBER ANGLE SETTING



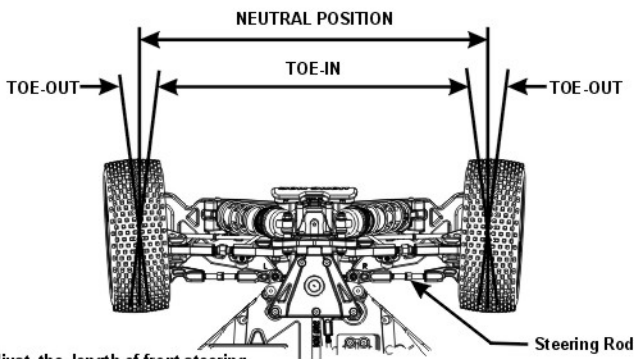
- Place the model car on flat surface. Raise the chassis to its maximum clearance before the wheels leave the ground.
- Adjust the length of the front and rear upper arms so that the wheels are vertical to the ground.
- Adjust the camber angle by turning the turnbuckle rod on the upper arms clockwise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

REAR CAMBER ANGLE SETTING



- 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 responses.
- Adjust the shock angle positions according to track conditions.

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.

REAR WHEELBASE

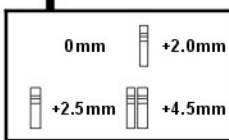
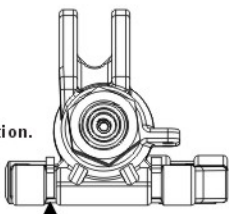
Adjust the wheelbase by using the spacers on either side of the rear wheel hub (at the bottom pin). **IMPORTANT!** Make equal adjustments on both left and right sides of the car.

Shorter wheelbase

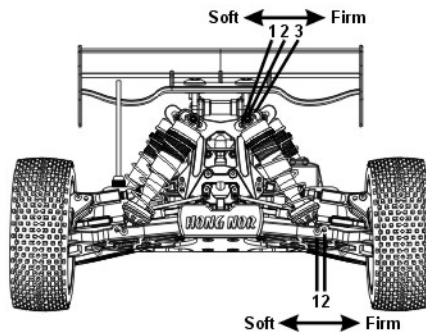
- less spacers in front of the rear wheel hub.
- increases rearward weight transfer during acceleration.
- increases on-power traction.
- quicker off-power steering into corners.
- slight tendency to push on-power at corner exit.
- increases steering response.
- better on tighter, more technical tracks.

Longer wheelbase

- more spacers in front of the rear wheel hub.
- decreases off-power steering into sharp corners.
- increases stability.
- slower initial steering reaction (off-power).
- improves on-power steering at corner exit.
- better handling over bumps and ruts.
- better on more open tracks with high-speed corners.

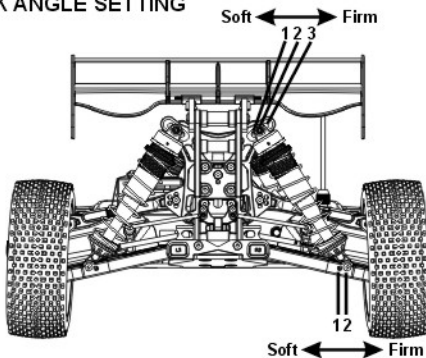


FRONT SHOCK ANGLE SETTING



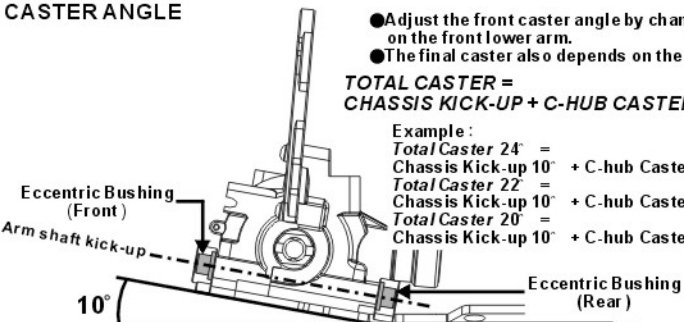
Firm front suspension, less steering.
Soft front suspension, more steering.

REAR SHOCK ANGLE SETTING



Firm rear suspension, over steering.
Soft rear suspension, under steering.

CASTER ANGLE



- Adjust the front caster angle by changing the "Eccentric Bushing" on the front lower arm.
- The final caster also depends on the kick-up setting.

$$\text{TOTAL CASTER} = \text{CHASSIS KICK-UP} + \text{C-HUB CASTER} + \text{ARM SHAFT KICK-UP}$$

Example:
 Total Caster 24° = Chassis Kick-up 10° + C-hub Caster 12° + Arm Shaft Kick-up +2°
 Total Caster 22° = Chassis Kick-up 10° + C-hub Caster 12° + Arm Shaft Kick-up 0°
 Total Caster 20° = Chassis Kick-up 10° + C-hub Caster 12° + Arm Shaft Kick-up -2°

Front Eccentric Bushing	Arm shaft Kick-up	Rear Eccentric Bushing
1°	+2°	1°
0.5°	+1.5°	1°
1°	+1°	0°
0.5°	+0.5°	0°
0°	0°	0°
0°	-0.5°	0.5°
0°	-1°	1°
1°	-1.5°	0.5°
1°	-2°	1°

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

X3 SABRE-E SET-UP SHEET

AIR TEMP F C
 LAPS
 BEST LAP TIME in LAP
 TRACK SIZE
 OPEN MEDIUM TIGHT
 TRACK TRACTION
 HIGH MEDIUM LOW

DIFFERENTIAL OIL

FRONT	CENTER	REAR
<input type="checkbox"/> STD	<input type="checkbox"/> STD	<input type="checkbox"/> STD
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

OIL wt.

FRONT	CENTER	REAR
<input type="text"/>	<input type="text"/>	<input type="text"/>

GEARING

SPUR GEAR T
 PINION GEAR T

TIRES

FRONT TYPE
 COMPOUND
 INSERT FOAM
 REAR TYPE
 COMPOUND
 INSERT FOAM

ELECTRIC MOTOR

TURN /
 RPM
 KV
 BRAND

ELECTRIC SPEED CONTROLLER

BRAND
 TYPE

FRONT

STEERING BAR
 A B C

FRONT SPINDLE CARRIERS
 PLASTIC ALUM

STEERING KNUCKLE ARM
 PLASTIC ALUM

FRONT SPINDLE CARRIERS CASTER
 20°
 22°
 24°

TOTAL CASTER
 18° 22.5°
 18.5° 23°
 19° 23.5°
 19.5° 24°
 20° 24.5°
 20.5° 25°
 21° 25.5°
 21.5° 26°
 22°

SHOCK FRONT
 SHOCK LENGTH mm
 OIL wt.
 PISTON mm
 SPRING

SHOCK LENGTH

INSERT NR.

INSERT NR.

REAR

WHEEL HUB
 PLASTIC ALUM

SHOCK REAR
 SHOCK LENGTH mm
 OIL wt.
 PISTON mm
 SPRING

SHOCK LENGTH

WHEELBASE SHIMS
 0mm 2mm
 2.5mm 4.5mm

INSERT NR.

INSERT NR.

X3SABRE 電車80% 零件表

編號	品名	數量	編號	品名	數量
A-34B	防傾桿球形	2	X3-44	差速箱模	1
A-41A	6mm 球形	6	X3-45	前下擺臂模 L.R	1
A-67A	前避震軸心(短)	2	X3-46	傾角調整套	1
AS-03	輪胎內海綿	2	X3-47	轉向座模 L.R	1
BT-118	1/8 越野輪胎 Raipitor	2	X3-48	C型座 L.R	1
E-37	6mm球形座	6	X3-49	車殼柱/中支柱模	1
E-41	1/10 R 捐	10	X3-50	塑膠拉桿球頭	1
E-43	5x11x4 培林	8	X3-51	緩衝組/三角板模	1
G-19	4x46 正反牙(黑)	4	X3-52	防撞板/後防塵板	1
G-25	7mm球形	6	X3-53	後下擺臂模 L.R	1
G-26	5x35mm正反牙(黑)	2	X3-54	後輪座 L.R	1
J-03A	P6 O環	2	X3-55	定風翼架模	1
J-20	13x16x0.2 墊片(鋼)	4	X3-59	伺服片模	1
J-47D	避震器防塵套(黑)	4	X3-61	8x14 培林	4
J-47G	10x1mm O環	4	X3-62	13x20 培林	4
JS-14B	6x10x3 培林	4	X3-64	差速箱防塵墊片	2
K-11A	伺服片轉接座	1set	X3S-02	CNC 7075-5mm前油壓架	1
L-26	3x36 正反牙	2	X3S-03	CNC 7075-5mm後油壓架	1
MK-18	4mm鋁尼龍帽(咖啡)	4	X3S-04	輕量差速接杯	2
X1-26	8mm六角輪座(硬陽)	2	X3S-05	CNC 7075 中央補強桿(前.後)	1set
X1-26A	六角螺帽(硬陽)	2	X3S-05A	CNC 7075 中央補強桿(前)	1
X1-27	轉向襯套	4	X3S-05B	CNC 7075 中央補強桿(後)	1
XT-28	防塵板 R.L	1set	X3S-06	CNC 前下擺臂固定座(前)	1
XT-31	中差座塑膠模	1set	X3S-07	CNC 前下擺臂固定座(後)	1
X2S-16A	鋁CNC馬達座(三件式)	1set	X3S-08	CNC 後上反角固定座	1
X3-01	蝸型大傘齒 43t	1	X3S-09	CNC 後Toe-in固定座	1
X3-02	蝸型小傘齒 13t	1	X3S-10	中央 CVD 傳動接杯	1
X3-03	差速傘齒(粉末)10tx2 20tx2	1set	X3S-11	中央 CVD傳動軸組(前)101.5mm	1set
X3-04	前CVD傳動軸組107.5mm	1set	X3S-11A	中央 CVD傳動軸(前)101.5mm	1
X3-04A	前CVD傳動軸107.5mm	2	X3S-12	中央 CVD 傳動軸組(後)113mm	1set
X3-05	後CVD傳動軸組 105mm	1set	X3S-12A	中央後 CVD傳動軸(後)113mm	1
X3-05A	後CVD傳動軸 105mm	2	X3S-17A	PC 透明車殼	1
X3-06	CVD 結合軸 / 2.5 x12.8 滾針	4	X3S-17B	CNC 7075-3mm輕量底盤	1
X3-07	CVD輪軸	2	X3S-17C	碳纖中差板	1
X3-08	前防傾桿 2.3mm 染黑	1	X3S-17D	46t 塑膠大直齒	1
X3-09	後防傾桿 2.3mm 染黑	1	#155B	車殼插梢	4
X3-12	4x66mm 圓頭擺臂軸	2	#267D	8x16 培林	8
X3-13	3.5 x 45.8 後輪座軸心	2	#267E	2.5 x 16.8 滾針	4
X3-14	轉向座大王銷	4	#316A	後避震軸心(長)	2
X3-15	擺臂襯套	4	#363	鋁合金十字軸心	6
X3-16	緩衝組支柱	2	#364-BR	天線管固定螺帽(BR)	1
X3-17	緩衝組鋁管	1	#374	3x20 反牙內六角圓机	4
X3-18	緩衝組彈簧	1	#380W	高下壓力定風翼(白)	1
X3-19	緩衝組調整環 /12 x 1.7 O環	1set	#387A	16mm外牙筒身(短)	2
X3-20	緩衝組連接板 B	1	#387B	16mm外牙筒身(長)	2
X3-21	緩衝組螺絲	2	#387D-G	16mm避震器調整環(金)	4
X3-22	緩衝組襯套	2	#387F	19x1.5mm O環	4
X3-29	避震器上蓋	4	#387G	彈簧止座塑膠模	1set
X3-30	一體式避震器上支座	4	#387P	16mm避震器活塞模	1set
X3-31	7x8.5mm球形座	4	#387S	16mm避震器修理包	1set
X3-32	7x12mm球形座	4	#388	16mm避震器用氣室 桔色	4
X3-34	2.5x11.8 滾針	10	#390A	16mm避震器彈簧(灰色)	4
X3-35	2.5 x12.8 滾針	10	#395	接收机盒/中差板/電池盒塑膠模	1 set
X3-38	差速器防漏墊片 31x20x0.3	3	#396	電池固定帶(魔鬼粘)	3
X3-40	4x10 圓頭止付	4	#397-14	14t馬達齒 5mm軸 , M1	1
X3-43	差速殼	1	#401W	平面框(白)	4

X3S EP Parts List

Part No.	Description	Q'TY	Part No.	Description	Q'TY
A-34B	Stabilizer Ball End	2	X3-44	Gear Case	1
A-41A	6mm Ball	6	X3-45	Front Lower Arms L,R	1
A-67A	Shock Shaft (front)	2	X3-46	Suspension Bracket Inserts	1
AS-03	Inner Sponge for Tire	2	X3-47	Steering Knuckle Arm L,R	1
BT-118	1/8 Buggy Tires "Raptor"	2 pcs	X3-48	Front C Hub L,R	1
E-37	6mm Ball & Socket	6	X3-49	Body Post/Center Brace	1
E-41	Body Pin (small)	10	X3-50	Plastic Rod End	1
E-43	5x11x4 Ball Bearing	8	X3-51	Servo Saver Set/Front Top Deck	1
G-19	4x46 Turnbuckle	4	X3-52	front Bumper/Rear Mud Guard	1
G-25	7mm Ball	6	X3-53	Rear Lower Arms L,R	1
G-26	5x35 Turnbuckle	2	X3-54	Rear Hub L.R	1
J-03A	P-6 O-Ring	2	X3-55	Rear Wing Mount	1
J-20	Diff Bevel Gear Shim 13x16x0.2mm	4	X3-59	Throttle/Steering Level Set	1
J-47D	Shock Shaft Dust Covers	4	X3-61	8x14 Ball Bearing	4
J-47G	10x1mm O-Ring	4	X3-62	13x20 Ball Bearing	4
JS-14B	6x10 Ball Bearing	4	X3-64	Gear Box Dust Seal	2
K-11A	Insert for Servo Saver	1set	X3S-02	CNC 7075-5mm Front Shock Tower	1
L-26	3x36mm Turnbuckle	2	X3S-03	CNC 7075-5mm Rear Shock Tower	1
MK-18BR	4mm Flange Nut, brown	4	X3S-04	Diff. Cap Joint (Lightweight)	2
X1-26	Alum. Wheel Hub	2	X3S-05	CNC 7075 Chassis Brace (F/R)	1set
X1-26A	Alum. Wheel Nut	2	X3S-05A	CNC 7075 Chassis Brace (F)	1
X1-27	Knuckle Arm Bushing	4	X3S-05B	CNC 7075 Chassis Brace (R)	1
XT-28	X2 Stone Gurad R&L	1	X3S-06	CNC 7075 Suspension Bracket FF	1
XT-31	Plastic Center Diff. Mount	1set	X3S-07	CNC 7075 Suspension Bracket FR	1
X2S-16A	CNC 3 pcs Motor Mount	1 set	X3S-08	CNC 7075 Suspension Bracket RF	1
X3-01	Spiral Bevel Gear 43t	1	X3S-09	CNC 7075 Suspension Bracket RR	1
X3-02	Spiral Bevel Gear 13t	1	X3S-10	Center CVD Cap Joint	1
X3-03	Diff. Gear 10tx4 20tx2	1set	X3S-11	Center CVDUniversal Joint Set(F)101.5mm	1set
X3-04	Front CVD Universal Joint Set 107.5mm	1set	X3S-11A	Center CVD Drive Shaft (F)101.5mm	1
X3-04A	Front CVD Drive Shaft 107.5mm	2	X3S-12	Center CVDUniversal Joint Set(R)101.5mm	1set
X3-05	Rear CVD Universal Joint Set 105mm	1set	X3S-12A	Center CVD Drive Shaft (R)101.5mm	1
X3-05A	Rear CVD Drive Shaft 105mm	2	X3S-17A	X3S-EP PC Body, clear	1
X3-06	Drive Shaft Insert / 2.5 x12.8 Pin	4	X3S-17B	CNC 7075-3mmLightweight Chassis	1
X3-07	CVD Wheel Axle	2	X3S-17C	Graphite Center Diff. Mount Plate	1
X3-08	Front Anti-roll Bar 2.3mm, black	1	X3S-17D	Spur Gear 46T, Plastic	1
X3-09	Rear Anti-roll Bar 2.3mm, black	1	#155B	Body Clips	1set
X3-12	4x66mm Arms Shaft	2	#267D	8x16 Ball Bearing	8
X3-13	3.5 x 45.8 Rear Hub Shaft	2	#267E	2.5 x 16.8 Pin	4
X3-14	Steering King Pin	4	#316A	Shock Shaft (Rear)	2
X3-15	Front Arm Bushing	4	#363	Alum. Diff Cross Pin (Hard-Coated)	6
X3-16	Servo Saver Post	2	#364-BR	Antenna Pipe Fixing Nut	1
X3-17	Alum. Servo Saver Tube	1	#374	3x20 Left Hands Threaded	4
X3-18	Servo Saver Spring	1	#380W	1/8 High Force Wing, White	1
X3-19	Servo Saver Adjuster /12 x 1.7 Oring	1set	#387A	16mm Front Shock Body	pair
X3-20	Servo Saver Connecting Plate B	1	#387B	16mm Rear Shock Body	pair
X3-21	Servo Saver Screws	2	#387D-G	16mm Shock Spring Adjuster	4
X3-22	Servo Saver Bushing	2	#387F	19 x 1.5mm O-Ring	4
X3-29	16mm Shock Top Alum.	4	#387G	Plastic Shock Spring Holder	1set
X3-30	Shock Mount	4	#387P	16mm Shock Piston	8
X3-31	7x8.5mm Ball & Socket	4	#387S	Repair Kit for #387	1set
X3-32	7x12mm Ball & Socket	4	#388	16mm Pressure Top (Orange)	4
X3-34	2.5x11.8 Pins	10	#390A	16mm Shock Spirng, Soft (Grey)	4pcs
X3-35	2.5 x12.8 Pins	10	#395	Receiver Box/Top Plate/Battery Case	1 set
X3-38	Diff Gasket 31x20x0.3	3	#396	Velcro Battery Straps (Black)	3 pcs
X3-40	4x10 Round Head Set Screw	4	#397-14	14T Pinion Gear 5mm, M1	1
X3-43	Diff. Case (F&R)	1	#401W	84mm Dish Wheel, White 4 pcs	4pcs

X³ SAGRE

HONG NOR

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