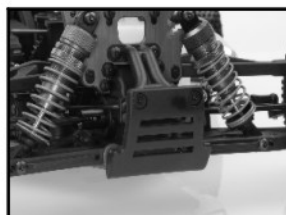
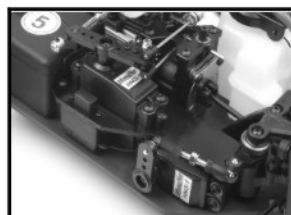


CRTE PBS



1/12 Scale 4WD Nitro Off-Road Mini Truggy



PRE-ASSEMBLED
ASSEMBLED CHASSIS WITH RADIO AND ENGINE INSTALLED

ADDITIONAL PARTS NEEDED

- GLOW STARTER AND GLOW PLUGS.
- GLOW PLUG CROSS WRENCH.
- RC CAR FUEL (20%).
- "AA" TYPE BATTERY FOR TRANSMITTER.
- "AAA" TYPE BATTERY FOR RECEIVER.
- FOR NON-PULL START ENGINES, YOU WILL NEED A 12V HAND HELD STARTER OR STARTER BOX.

THIS IS NOT A TOY!

- DO NOT USE WITH CHILDREN YOUNGER THAN 16 YEARS.

需另購物件

- * 火星塞。
- * 拆火星塞扳手。
- * 模型引擎用燃油(20%)。
- * 可充電點火夾。
- * 發射機用"AA"3號型乾電池。
- * 接收機用"AAA"4號型乾電池。
- * 若使用非手拉器起動引擎者，則請自備12V起動馬達或起動台。

本產品非一般玩具！

- 不適合16歲以下兒童使用。
- (不熟悉模型組裝使用者，請洽專業人士指導。)

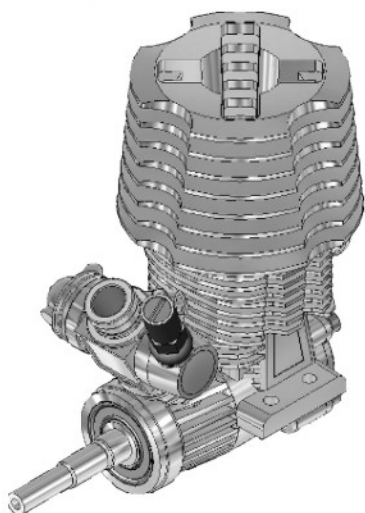
HONG NOR

鴻諾企業有限公司
HONG NOR ENTERPRISE CO., LTD.
5F NO.181-2, CHUNG HSING ROAD,
HSICHIH CITY, TAIPEI HSIEN,
TAIWAN, R.O.C.
TEL: 886 2-2694-0345
FAX: 886 2-2694-1632
www.hongnor.com

圖示產品有可能為試樣品，包裝內容以實際出貨為準。規格配備內容更改恕不另行通知。
MODEL SHOWN MAY BE PROTOTYPE AND VERY SLIGHTLY FROM KIT. SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

THINGS NEED BESIDES THE KIT

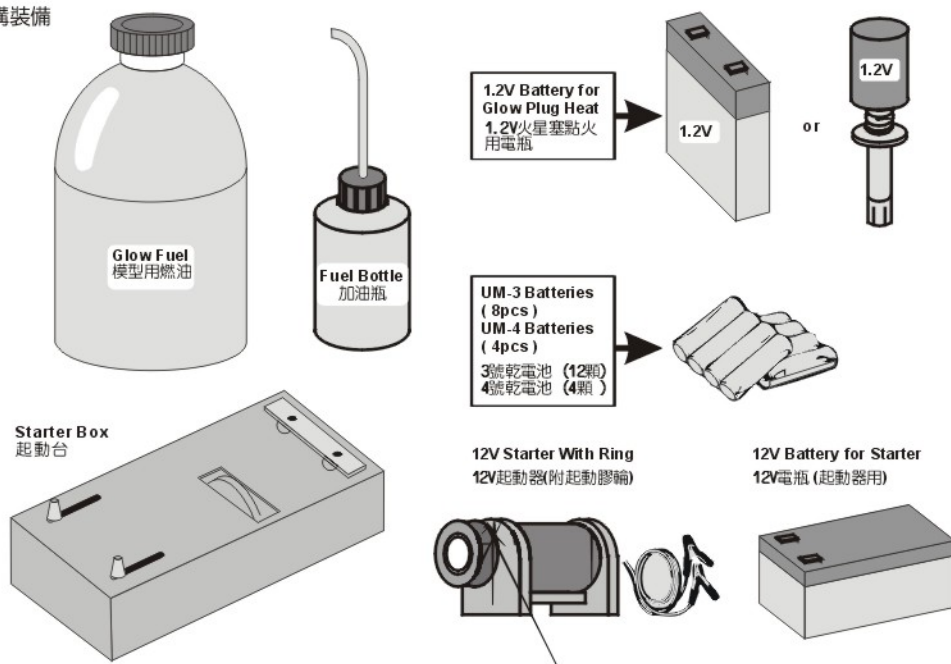
Note: The engine may not include in kit.
引擎可能不包含在套件內



REAR EXHAUST 12 CLASS (2.1 cc) ENGINE

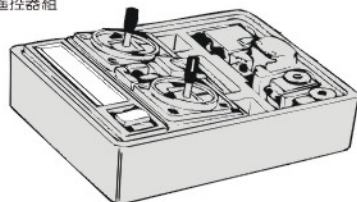
有關引擎使用及調整方式，請參照引擎工廠之手冊。

另購裝備



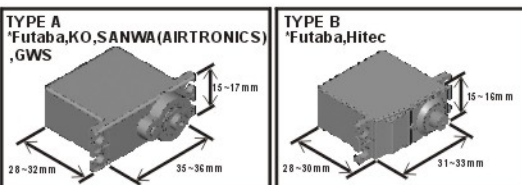
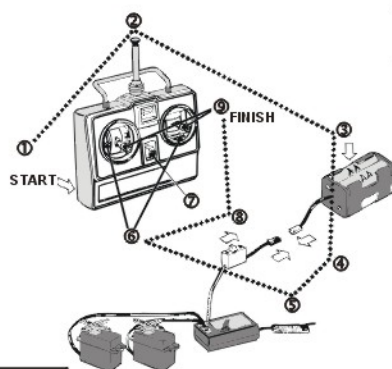
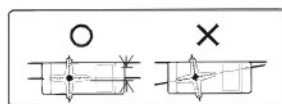
RADIO CONTROL UNIT 另購裝備

2動作遙控器組



Careful read the instruction manual of your 2 channel radio controller before using.
使用遙控器前請先仔細閱讀原廠說明書

SUITABLE SERVO SIZE
伺服機適合尺寸



Radio must be set at neutral position before installing in the kit.

SEQUENCE TO SET NEUTRAL

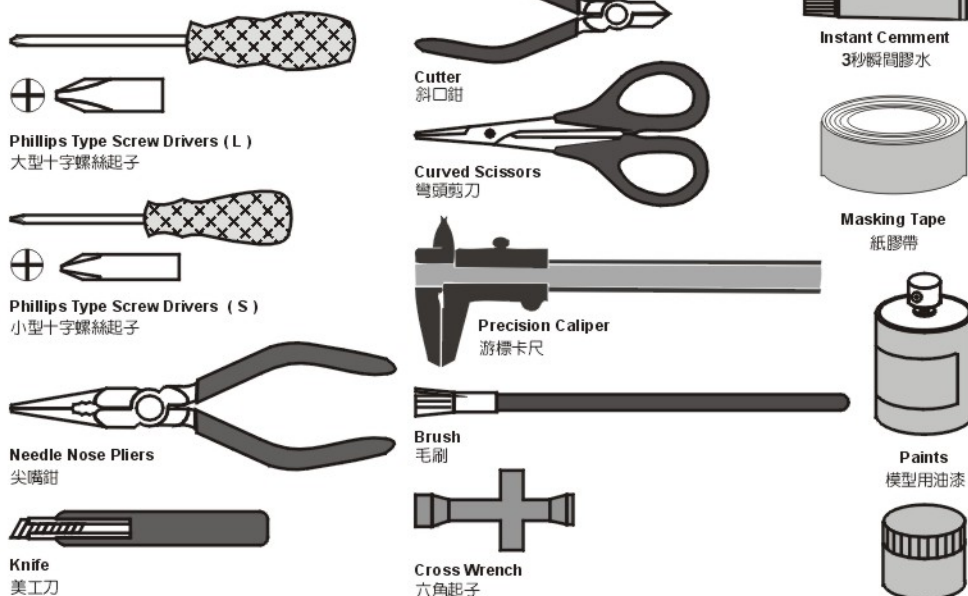
1. Install UM-3 batteries.
2. Extend the antenna. (Transmitter)
3. Install batteries.
4. After installing the battery, connect the battery box.
5. Extend the antenna. (Receiver)
6. Set the trim-level at center.
7. Turn on the switch. (Transmitter)
8. Turn on the switch. (Receiver)
9. Make sure the servos are in command.
10. When the operation stick is in neutral, servo horns must be in neutral as will. (Adjustment can be made by re-installing the servo horn.)
11. Turn off the switch. (Receiver)
12. Turn off the switch. (Transmitter)
13. Retract the antenna. (Transmitter)

遙控在組合前必需要設立中立點

1. 裝入3號乾電池(發射機用)
2. 拉出天線
3. 裝入4號乾電池盒(接收機用)
4. 連接電池盒至開關
5. 拉長接收機天線
6. 調整微調鈕至中央位置
7. 打開發射機電源
8. 打開接收機電源
9. 確認伺服機的動作良好
10. 當遙桿位於中立點時，伺服盤必須在中立位置。(拆下伺服盤可做調整中立位置。)
11. 關閉接收機電源
12. 關閉發射機電源
13. 收回發射機天線

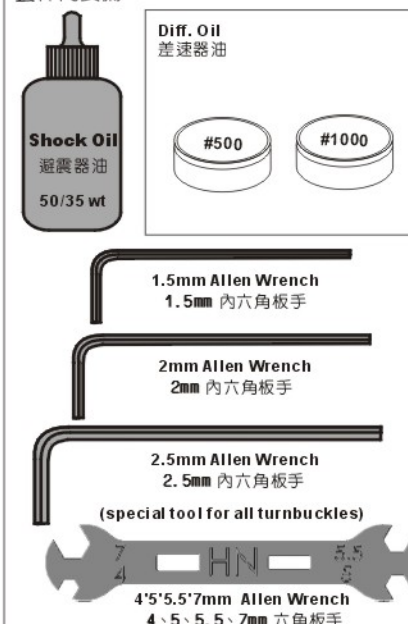
TOOLS NOT INCLUDED IN KIT

需使用之工具

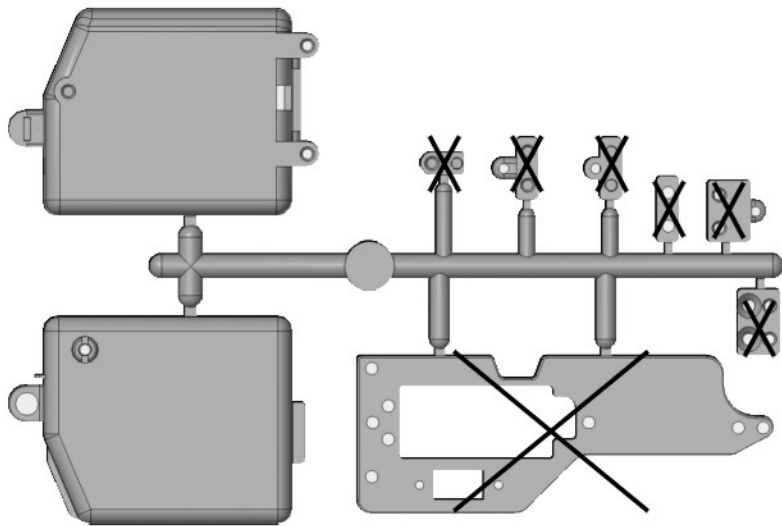


INCLUDED WITH KIT

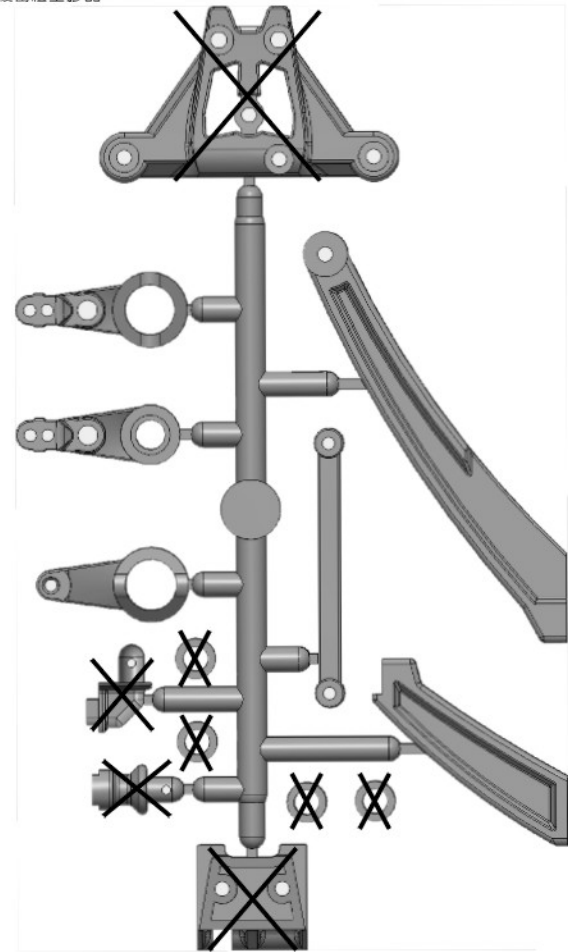
套件內裝備



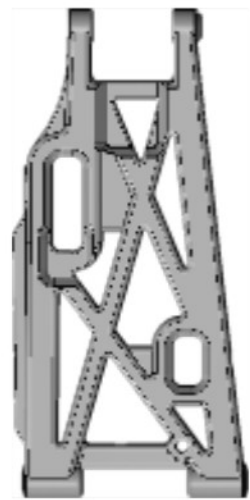
TM-33
RECEIVER BOX
防塵盒塑膠品



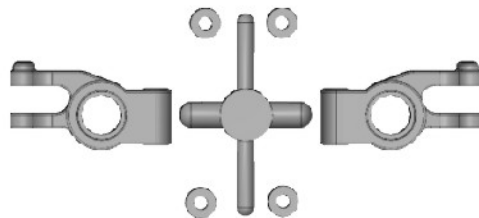
TM-34
SERVO SAVER
緩衝組塑膠品



TM-36B
REAR LOWER ARM
後下擺臂塑膠品



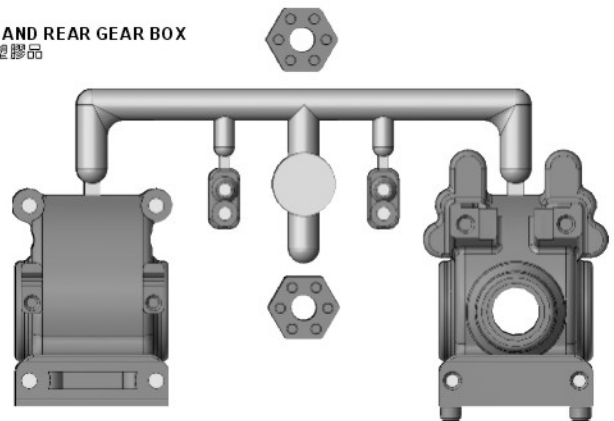
TM-43
REAR UPRIGHT
後輪固定座L、R塑膠品



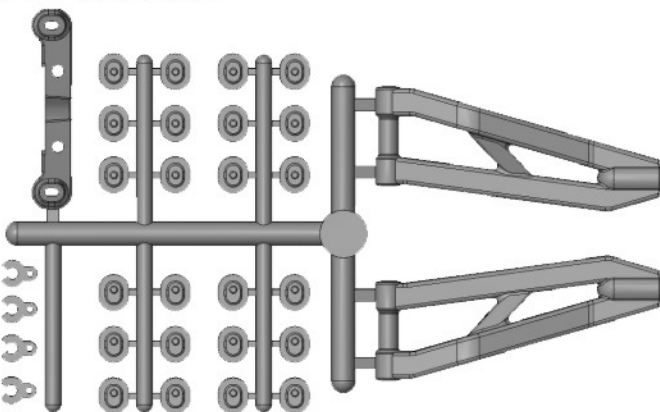
TM-35
DIFF. CASE
差速殼塑膠品



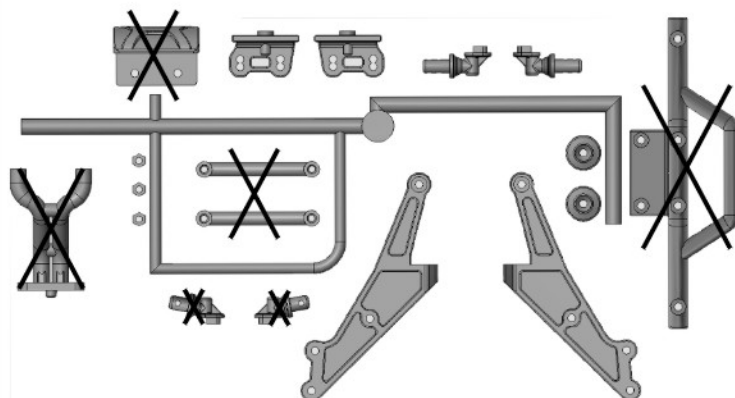
TM-40
FRONT AND REAR GEAR BOX
齒輪箱塑膠品

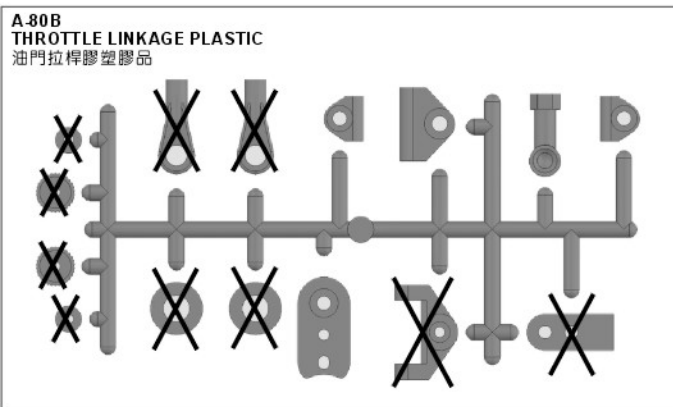
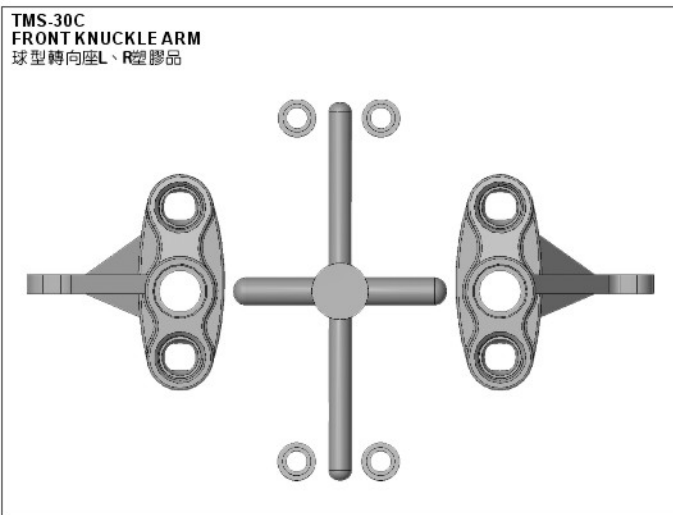
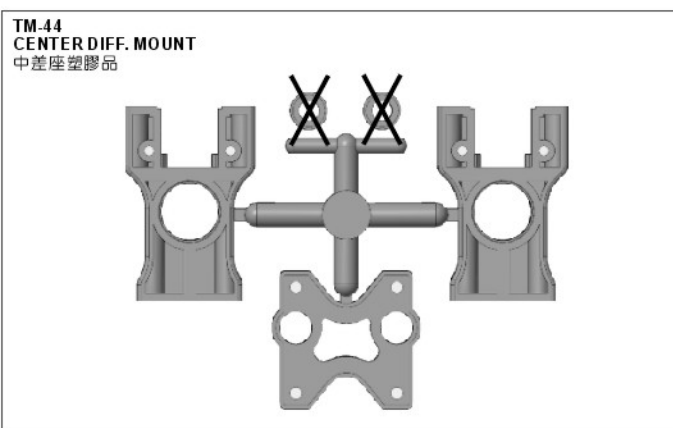
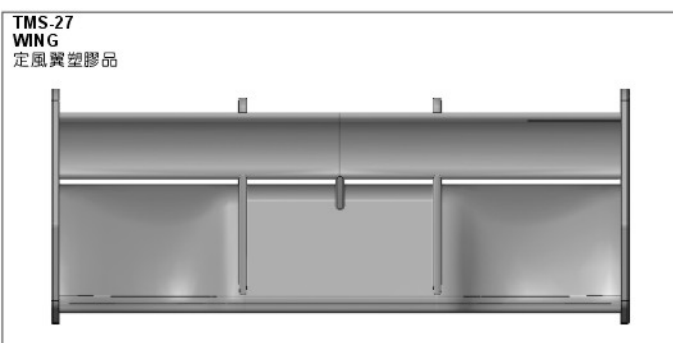
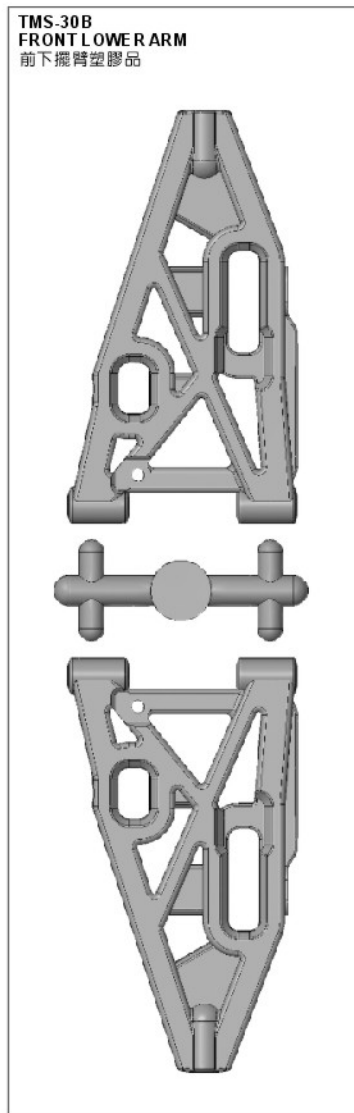
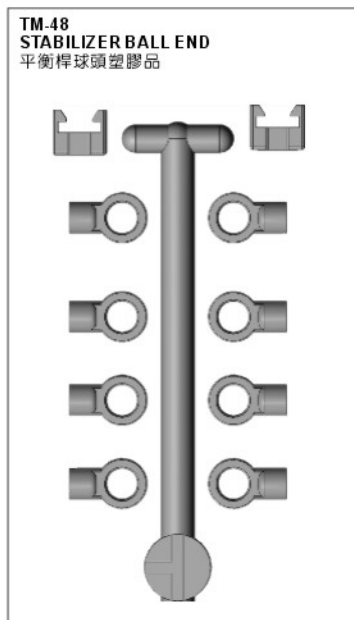
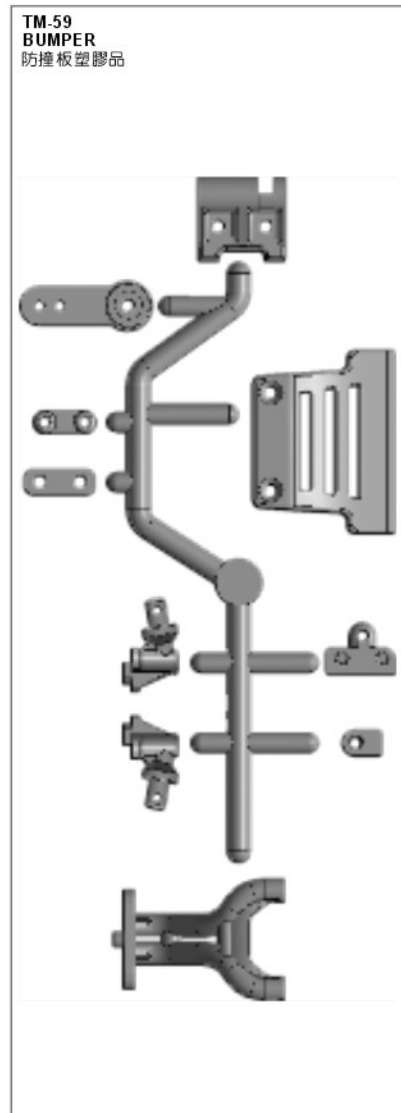
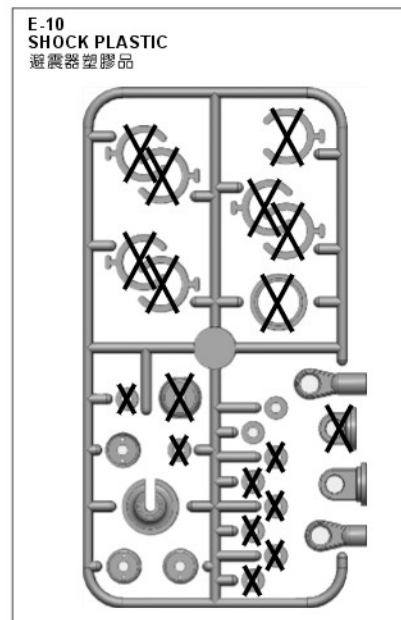


TMS-30A
FRONT UPPER ARM AND ARM HOLDER
前上擺臂、擺臂固定座塑膠品



TM-42
WING STAY & BUMPER
定風翼架、防撞板塑膠品





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



遙控車在操作上雖好玩且容易，但如果想玩的更安全和更不一樣的體驗，請遵守以列幾點。另外，由於此模型車的時速超過60公里，如果不小心使用，可能會傷及他人。

1. 哪兒是適合操作的場地呢？

- ◎任何乾燥的空地。勿在水池或濕地。
- ◎勿在大街上，因為它可能會被行駛中的車輛輾過或碰撞而導致有所損傷。
- ◎勿在空間狹窄的地方操作；因為它的速度快很容易碰撞物件。
- ◎勿駕駛於人群或動物旁；如您是非專業人士操作，他們都可能發生危險。
- ◎由於當它被啟動後會發出很大聲響，在操作前請先考慮其周圍的環境。
- ◎勿在晚上操作模型車，因可能視線不佳而導致它發生碰撞。
- ◎勿在室內操作；因為發動引擎後所排出的廢氣對人體有害。

2. 燃油

- ◎它是有害身心的。
- ◎它是易燃的。
- ◎別讓它從油瓶溢出。
- ◎勿將其他非專業燃油放入引擎中。

3. 第一次發動引擎

注意！
在您發動引擎前請先確認以下幾點：

- ◎將主油針設定在3圈位置（富油狀態）。
- ◎別獨自一人組裝，請找位有經驗的朋友幫忙一起完成。
- ◎裝滿油箱試著別溢出油箱於容器上。
- ◎遲些將模型車放置地面上，避免一開始它亂跑。
- ◎發動引擎前，請先確認無線電設備是否已連結。
- ◎發動引擎前，請先打開遙控發射機和接收器的電源，並檢查各項連結桿。
- ◎需要安裝空氣濾清器在化油器上，使其不被弄髒。

4. 磨合引擎

◎閱讀後面幾頁。

5. 緊急停止正發動中的引擎

- ◎移除空氣濾器和堵住化油器的入口。
 - ◎握緊油管直到引擎停止。
 - ◎用破布等填塞物，堵住廢氣排放口。
- ## 6. 操作後之收藏動作
- ◎移除油箱和油管中的燃油。
 - ◎關閉模型車上的無線電。
 - ◎滴入少許保養油於引擎中，以免它生鏽。
 - ◎用去污布擦去底盤上的油污。

7. 叮嚀注意事項

- ◎此模型車並非一般玩具，操作時至少二人，一為操作者，一為監督者。
- ◎溫度過高的零件－如排氣管、引擎等，勿用手觸碰，以免燙傷。
- ◎運轉中的零件－如車輪、齒輪和引擎等，勿用動手去調整。
- ◎無線電－在操作前先檢查電池的電量，當電量不足時，將不能完全控制油門及剎車或行進方向。此刻請立即停駛，並換上新電池。如果不立即改善，將導致人體受傷或車子受損；我們極力建議裝配“防暴走”裝置在你的車上。
- ◎燃料油－勿讓油溢出瓶口；因為它的成份中含有甲醇和甲烷皆為易燃物且一旦吸入是有害健康的。

油品應當置放於低溫且通風的地方，並貼上“小心使用”的標籤。

- ◎車子上的油箱－在操作後，別存留油於油箱中，如不慎流出會破壞引擎。
- ◎平時不操作模型車時，必要將關閉車上電源，然後關閉遙控器。
- ◎如果車子因無法控制以致損壞，將導致不在保證之內。

忽略閱讀磨合引擎的相關說明，將會失去保證條款。

IMPORTANT-READ THIS BEFORE RUNNING

Running nitro kit is fun and easy, but to make this a safe and good experience you must observe a few rules. This kit is extremely fast, easily over 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!

OPERATING YOUR MODEL SAFELY 安全的操作說明

操作前 Before Running

Your radio control model can move at high speed and therefore can cause injury to people or damage property. It is your responsibility to operate your model safely.

你所駕駛的遙控模型車的速度是很快，因此很容易會導致人或財物的損失，所以操作者需負責其安全性。

For radio equipment, refer to the manual included with the radio.

無線電設備，包含了模型車上的接收器和遙控器。

Check that all screws and nuts are tight.

確認所有的螺絲是否已全部鎖緊。

If the model begins to operate by itself, there is someone else on your frequency. Do not try to operate your model under these conditions for it may go out of control.

如果一開始模型車不受你所控制時，可能是受到另一個頻率干擾到，在這種情況之下，請別一再嘗試去控制你的模型車，以免它失控。

Fill in the fuel.

加滿油箱。

Fully extend transmitter antenna.

把遙控器上的天線完全伸展。

Switch on transmitter.

打開遙控器的開關。

Switch on receiver.

打開接收器的開關。

啟動引擎 Engine Start-Up

For engine use, refer to the manual included with the engine. 閱讀其引擎說明書。



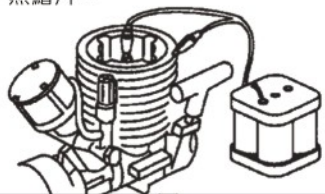
To prime the engine with fuel, press down the primer button.

首先，裝填引擎燃料，再按下進油幫浦（如果有此裝備）。



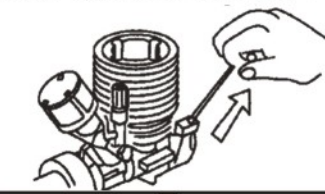
Attach one clip to the glow plug's end and the other clip to one of the cylinder cooling fins.

使用一個啟動火星塞用電夾，一端夾住火星塞，一端夾住散熱片。



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

快速拉動引擎的手拉啟動裝置。



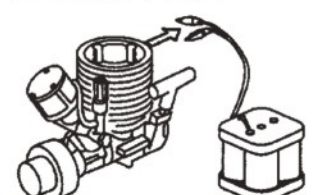
Adjust by screwing the needle little by little.

以順時針方向逐漸地微調油針。



Remove the clips from the engine.

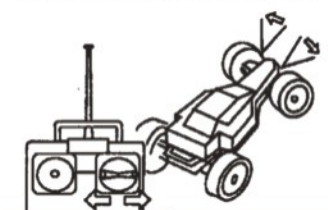
移去起動火星塞電夾。



操作時 While Running

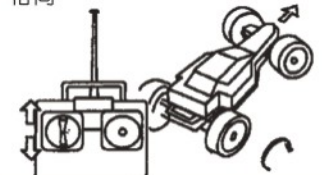
Check that the model turns in proportion to the amount you move the steering control of the transmitter.

試跑遙控車的行進方向是否和你操作的遙控器左右方向相同。



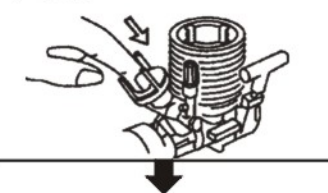
Check that the speed of the model changes in proportion to the amount you move the speed control of the transmitter.

試跑遙控車的行進方向是否和你操作的遙控器前後方向相同。



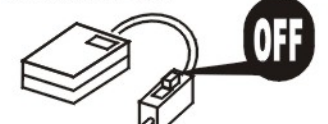
操作後 After Running

By pushing with your fingers the air cleaner, interrupt the engine 用手指壓下空氣濾清器，可以中斷引擎。



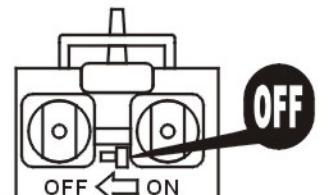
Switch off receiver.

關閉接收器電源



Switch off transmitter.

關閉遙控器的電源。



Proper maintenance extends the life of the model.

正確的保養可延長模型車的壽命。

Use genuine parts.

使用原廠零件。

安全注意事項 Cautions for Safety

Do not run your model through water. This may cause rust or electrical problems.

勿駕駛遙控車接近水池或溼地。此行為會導致引發電子零件故障！



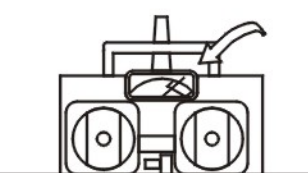
If model does not operate correctly stop it and find the cause.

如果遙控車有不正確表現，請停止操作，並立即檢查原因。



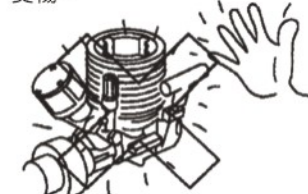
Check the batteries.

確認發射機電力是否充足。



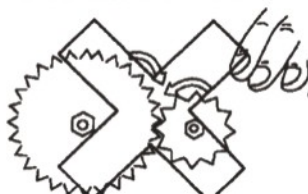
After each run, the model is hot. Beware of getting burned.

每次行駛都將導致引擎在高溫中，請勿用手觸摸引擎，以免燙傷。



Keep hands and tools away from moving parts.

勿用手碰觸運轉中的零件。



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

各種油類需要遠離火源。



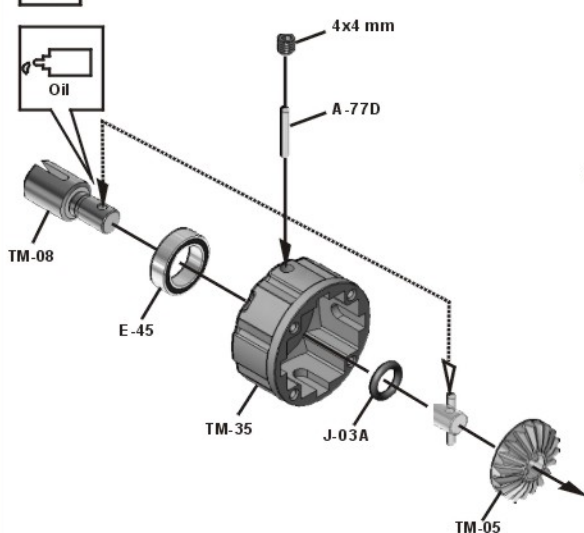
1 ASSEMBLY OF THE FRONT AND REAR DIFF.

前後差速齒輪組合

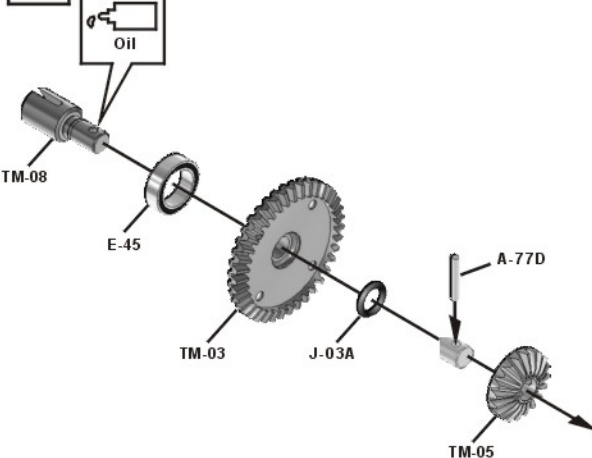
Builds two differentials for front and rear.
請組合兩個差速器為前後使用。

- A-77D
2x12.8mm Pin
滾針x4
- 4x4mm
Set Screw
止付螺絲x2
- J-03A
P6 O-Ring
P6 O環x4
- E-45
10x15mm Ball Bearing
培林x4

Step 1



Step 2



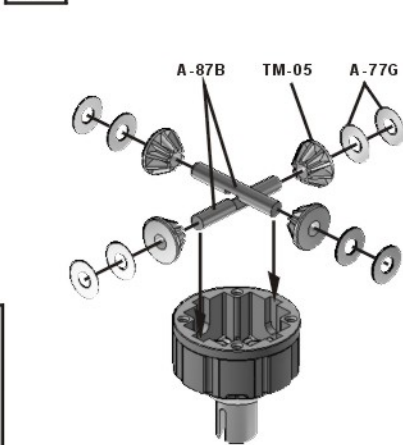
2 ASSEMBLY OF THE FRONT AND REAR DIFF.

前後差速齒輪組合

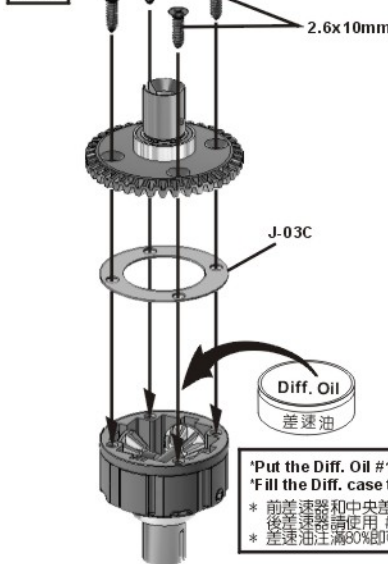
Builds two differentials for front and rear.
請組合兩個差速器為前後使用。

- A-77G
4x10mm Washer
墊片x16
- 2.6x10mm
Flat Head Screw
血自皮螺絲x8
- A-87B
4mm
Cross Pin
4mm 十字軸心x4

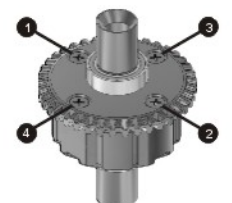
Step 1



Step 2



Tighten the diff screws in this order.
請依圖示順序上緊螺絲。



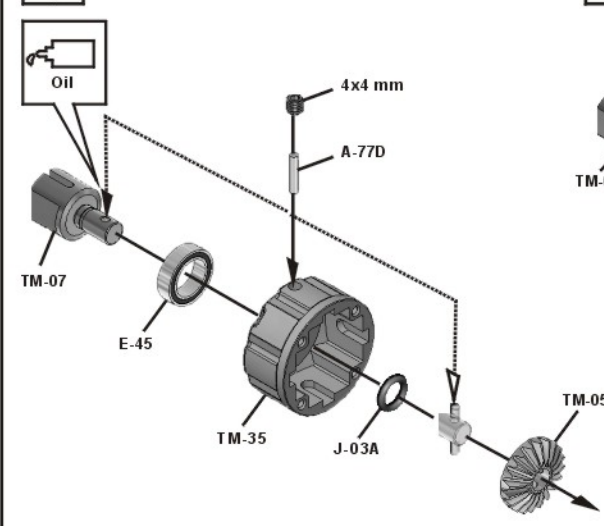
*Put the Diff. Oil #1000 for front and the #500 for rear
*Fill the Diff. case to approx. 80% with the Diff. Oil
* 前差速器和中央差速器請使用 #1000 差速油
* 後差速器請使用 #500 差速油
* 差速油注滿80%即可

3 ASSEMBLY OF THE CENTER DIFF.

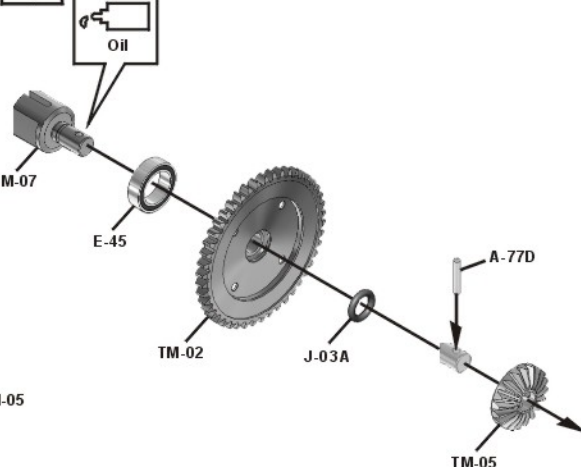
中央差速齒輪組合

- A-77D
2x12.8mm Pin
滾針x2
- 4x4mm
Set Screw
止付螺絲x1
- J-03A
P6 O-Ring
P6 O環x2
- E-45
10x15mm Ball Bearing
培林x2

Step 1



Step 2



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



A-77G
4x10mm Washer
墊片x8

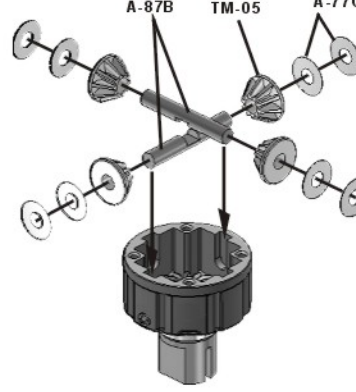


2.6x10mm
Flat Head Screw
皿自攻螺絲x4

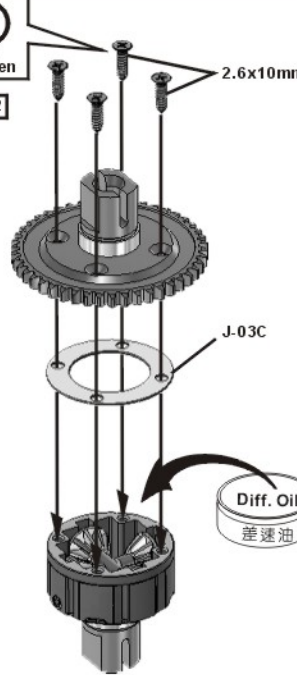


A-87B
4mm
Cross Pin
4mm 十字軸心x2

Step 1



Step 2



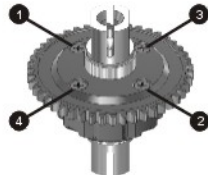
Tighten

2.6x10mm

J-03C

Diff. Oil
差速油

Tight the diff screws in this order.
請依圖示順序上緊螺絲。



Use 1000 weight diff. oil in the center.
Fill the Diff. Case to approx. 80% with the Diff.Oil.
中差速器請使用#1000差速油注滿80%即可

5 ASSEMBLY OF THE FRONT GEAR CASE
前齒輪箱組合



4x4mm Set Screw
止付螺絲x1



E-43
5x11mm Ball Bearing
培林x2



L-02B
12x15x0.25mm Shim
墊片x2

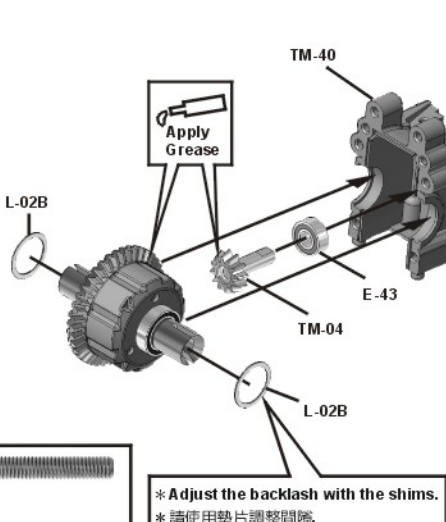


3x10mm Hex Screw
半孔內六角螺絲x2

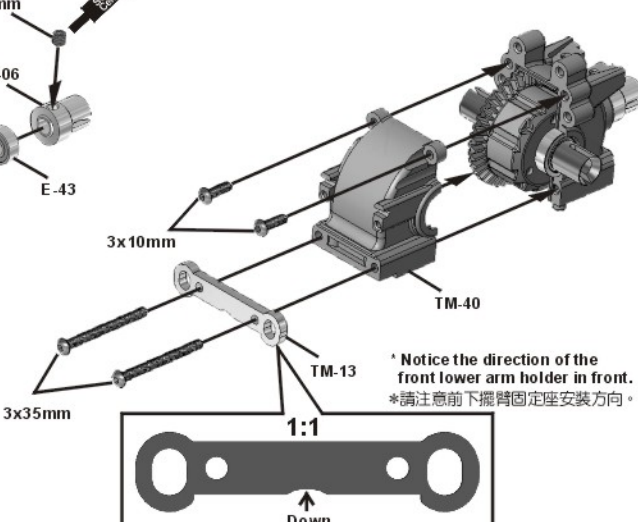


3x35mm Hex Screw
半孔內六角螺絲x2

Step 1



Step 2



Apply Grease

TM-40

E-43

TM-06

L-02B

TM-04

TM-13

TM-40

3x10mm

3x35mm

1:1

Down

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

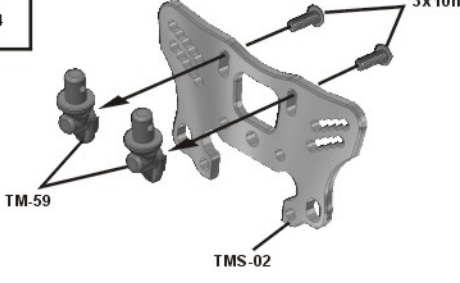
* Notice the direction of the front lower arm holder in front.
* 請注意前下擺臂固定座安裝方向。

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

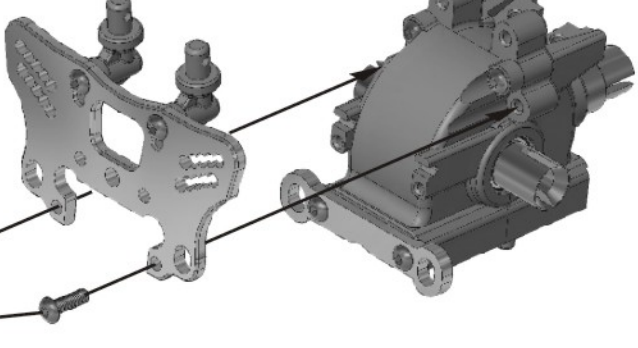


3x10mm
Hex Screw
半孔內六角螺絲x4

Step 1



Step 2



TM-59

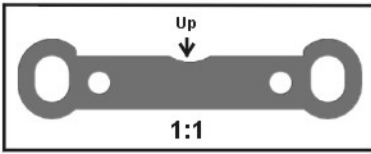
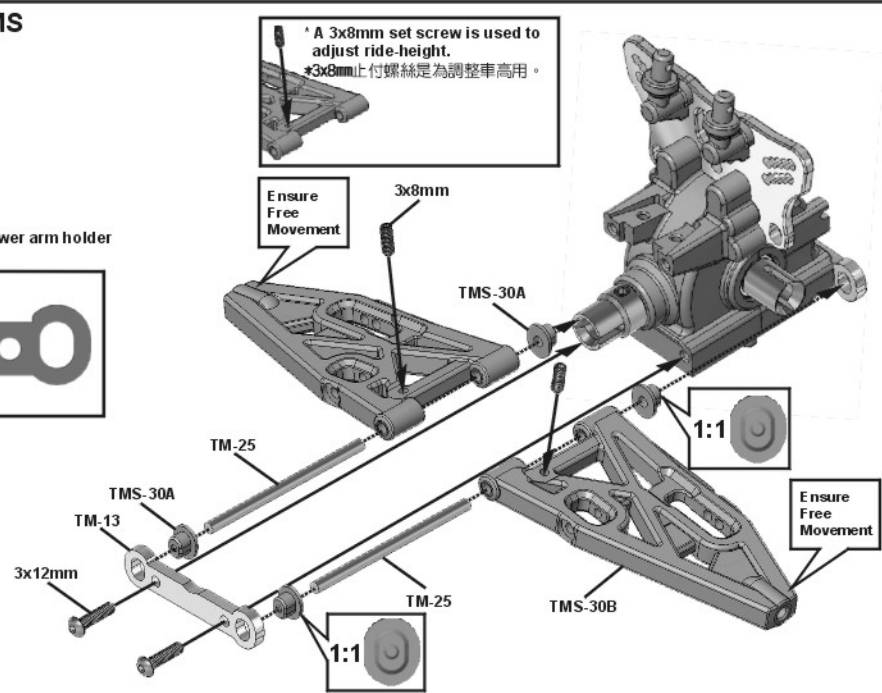
TMS-02

3x10mm

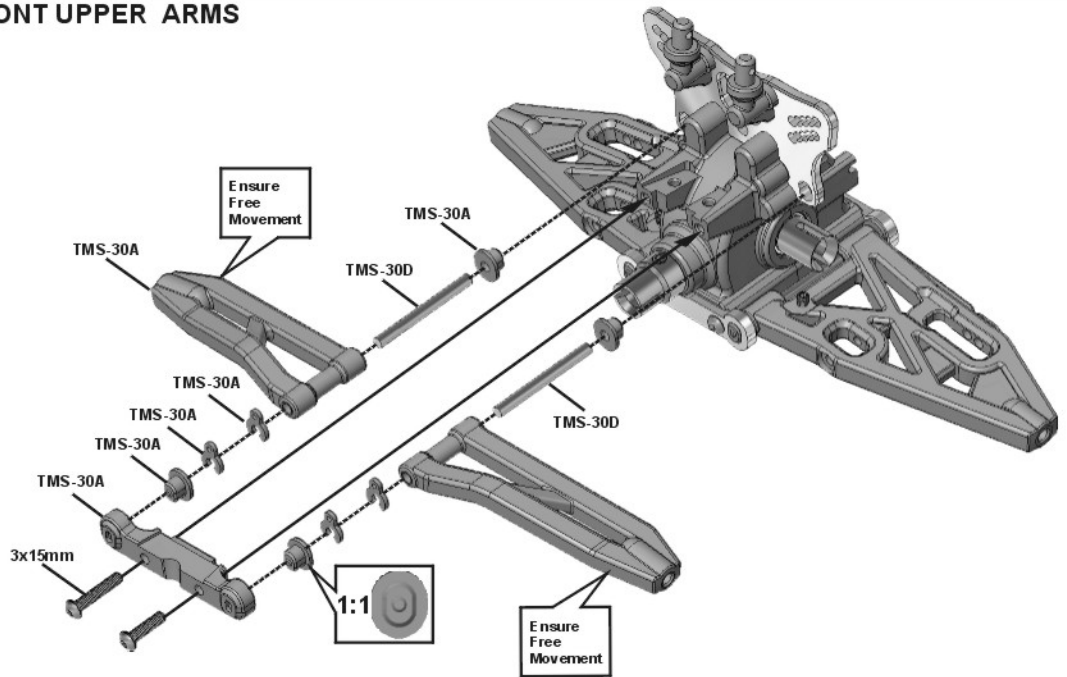
7 ASSEMBLY OF THE FRONT LOWER ARMS
前下擺臂組合



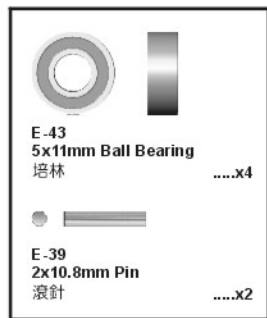
* Notice the direction of the front lower arm holder in rear.



8 ASSEMBLY OF THE FRONT UPPER ARMS
前上擺臂組合

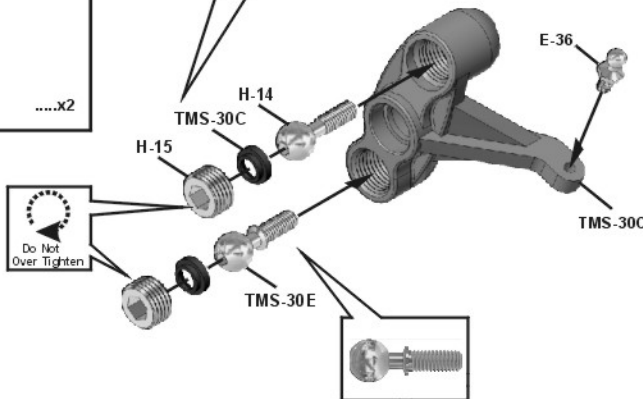


9 ASSEMBLY OF THE KNUCKLE ARMS
球型轉向座組合

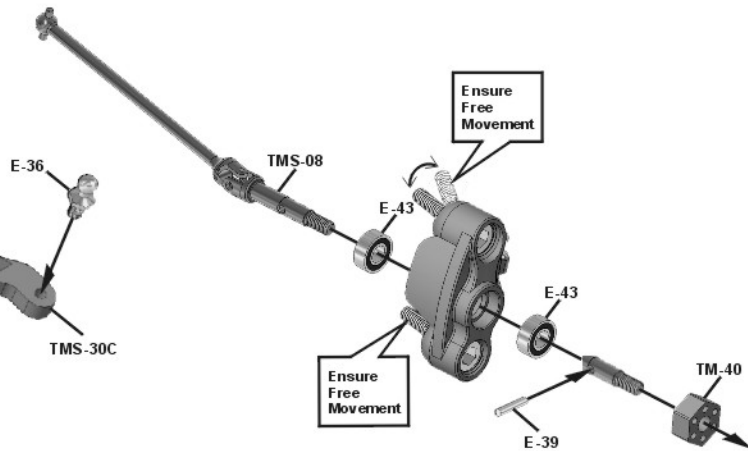


Step 1

* Notice the direction of the plastic washer.
注意塑膠墊片方向。



Step 2

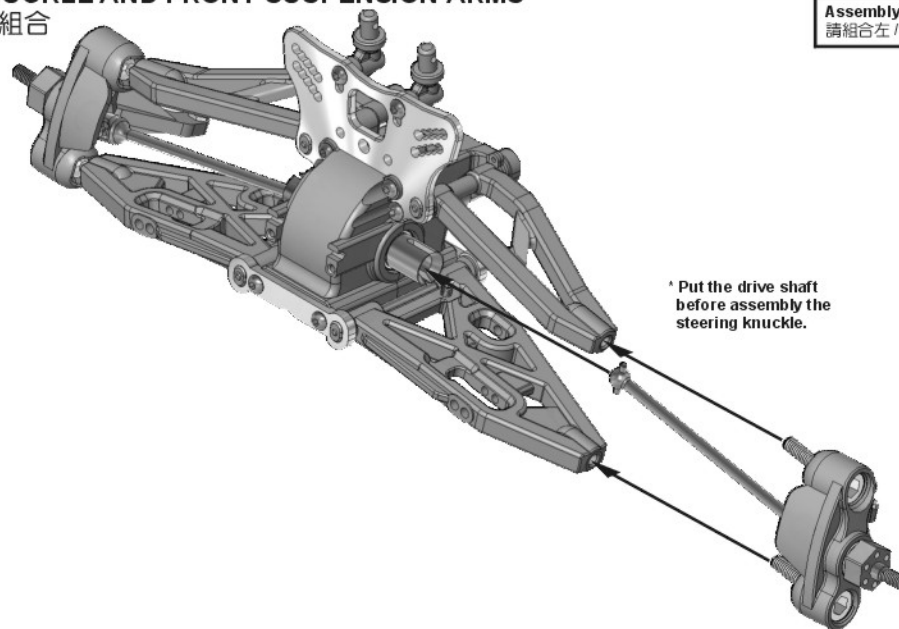


Assembly for both right and left side.
請組合左 / 右兩側。

10 ASSEMBLY OF THE KNUCKLE AND FRONT SUSPENSION ARMS

球型轉向座與前懸吊系統組合

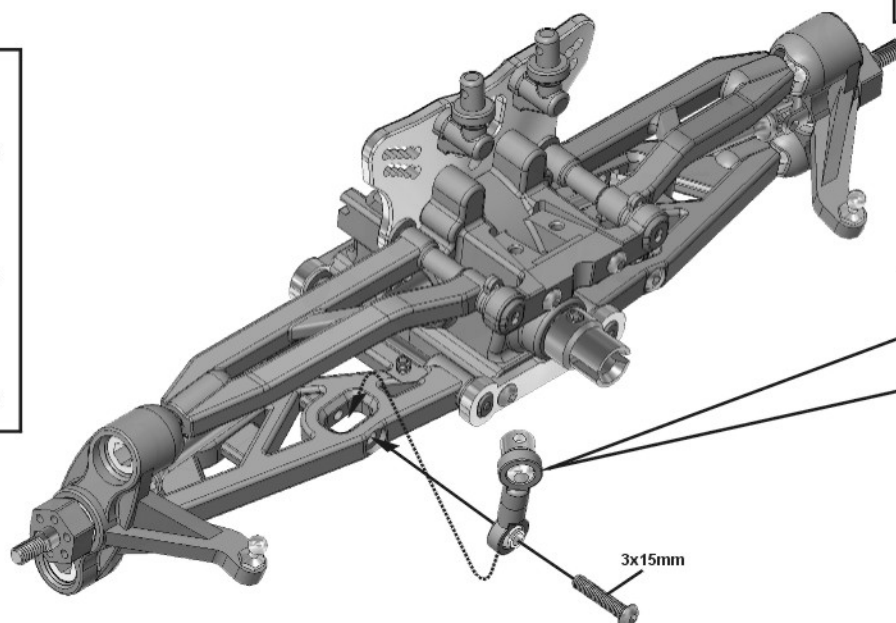
Assembly for both right and left side.
請組合左 / 右兩側



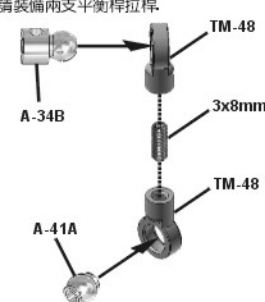
11 ASSEMBLY OF THE FRONT STABILIZER

前平衡桿組合

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

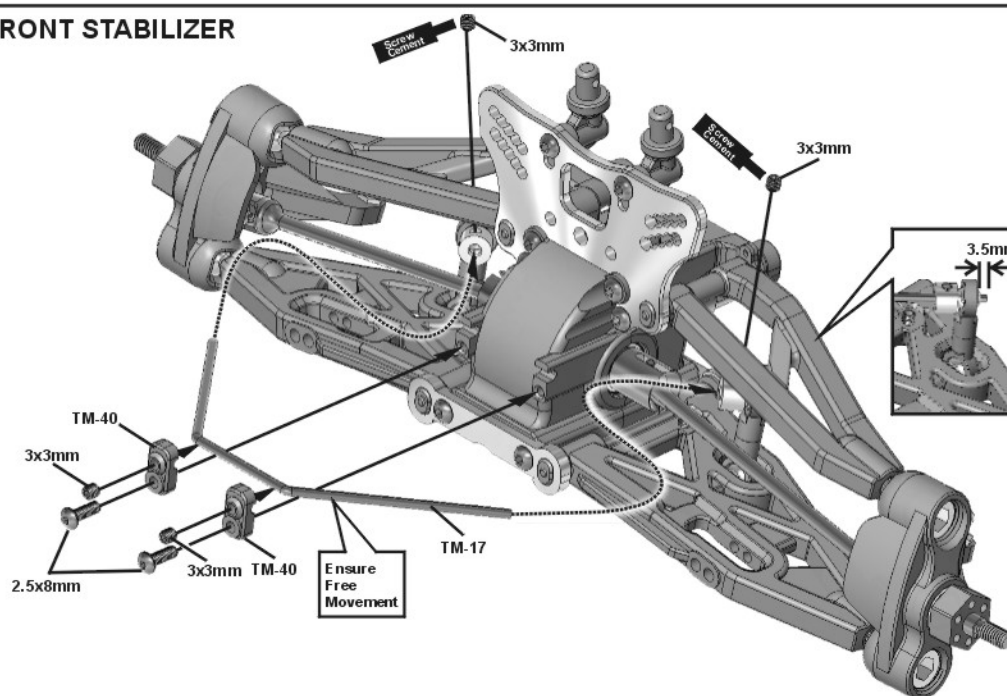


Makes two rods for left and right hand-side.
請裝備兩支平衡桿拉桿



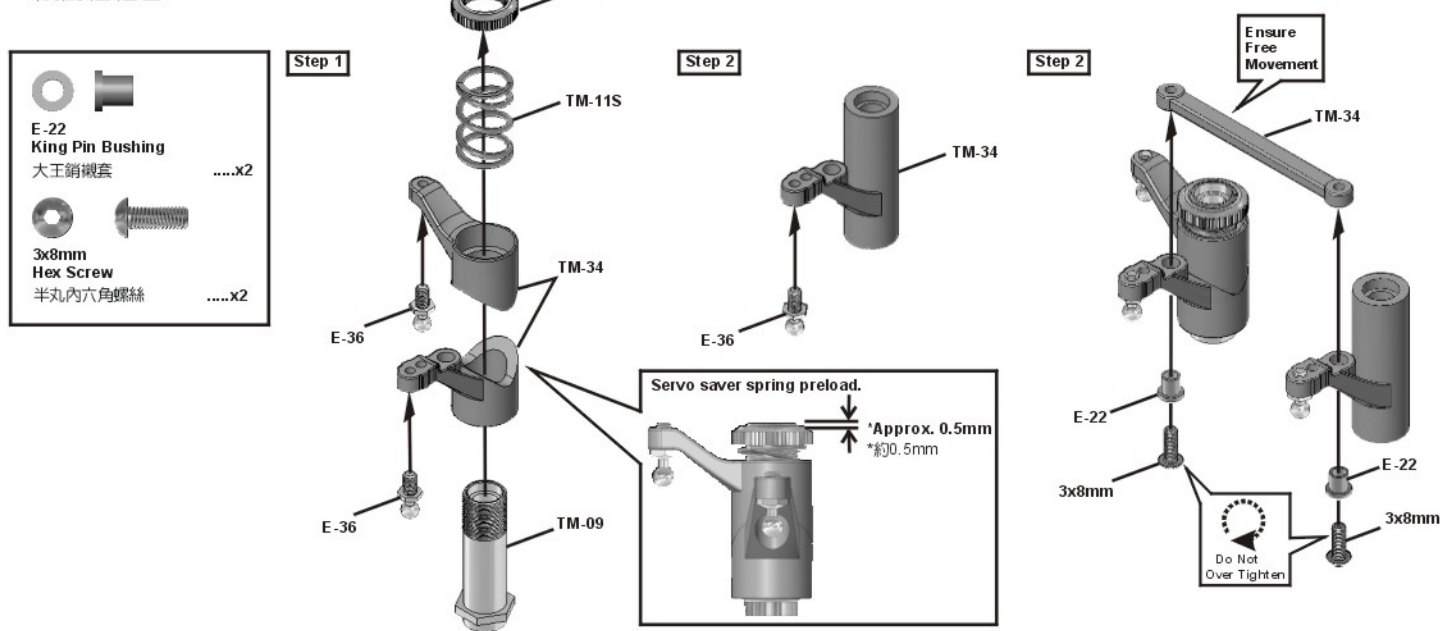
12 ASSEMBLY OF THE FRONT STABILIZER

前平衡桿組合



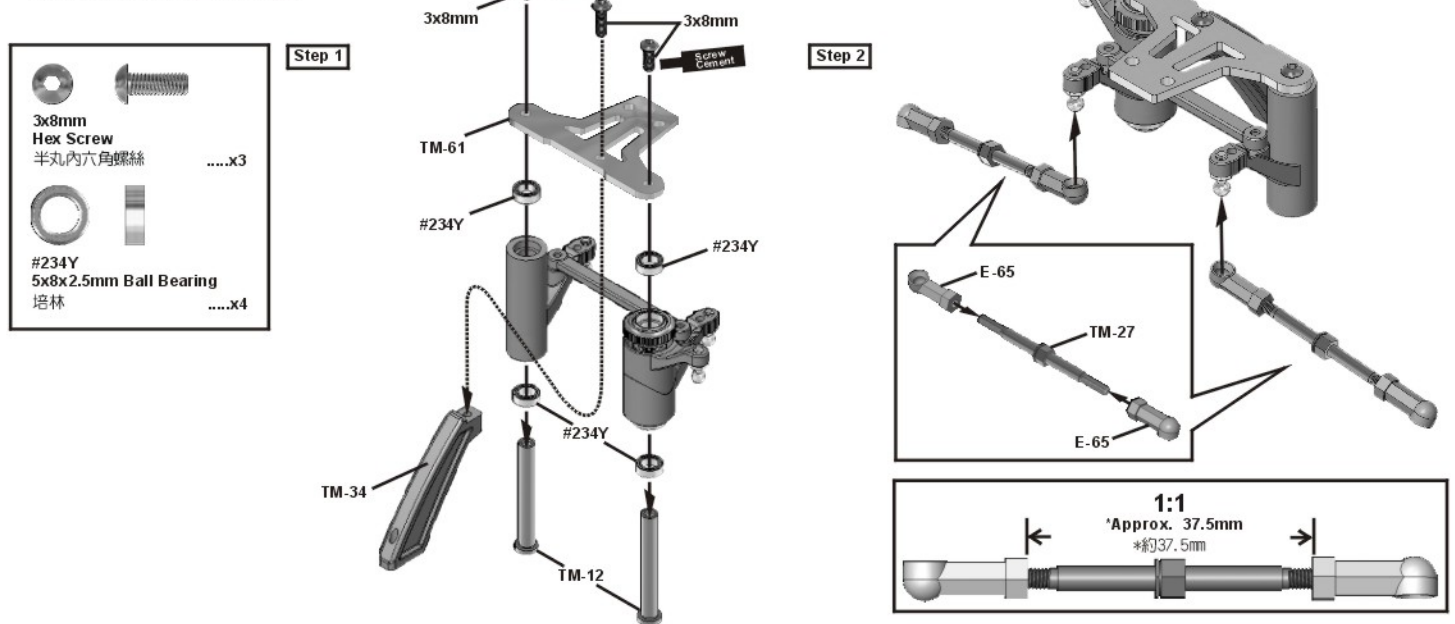
13 ASSEMBLY OF THE SERVO SAVER

緩衝組組合



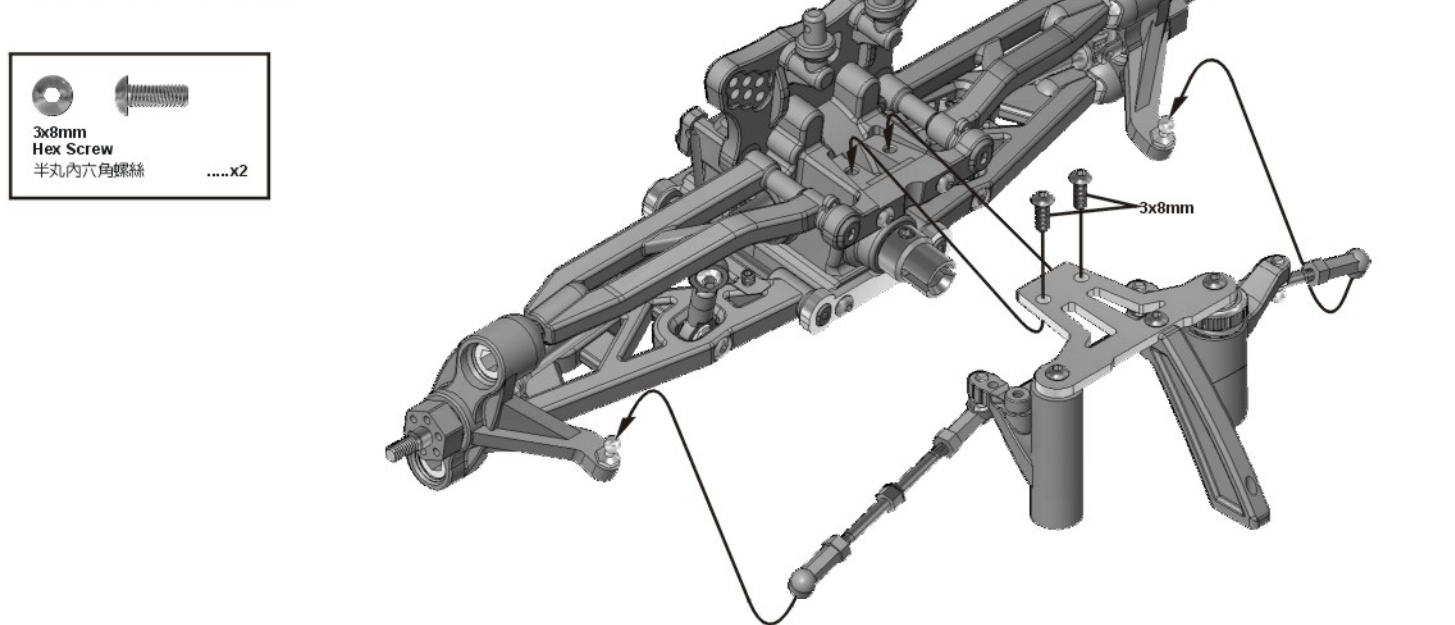
14 ASSEMBLY OF THE SERVO SAVER AND THE STEERING TIE-ROD

緩衝組及轉向拉桿組合



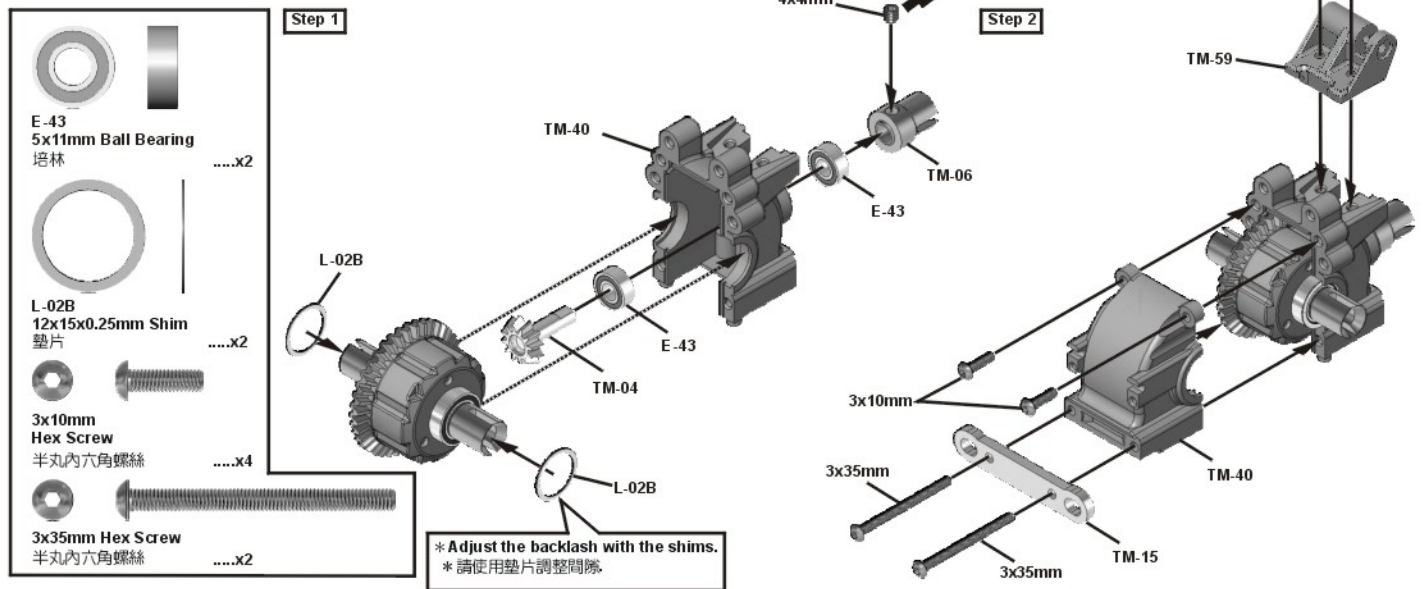
15 ASSEMBLY OF THE SERVO SAVER ONTO THE FRONT GEAR BOX

緩衝組與前齒輪箱組合



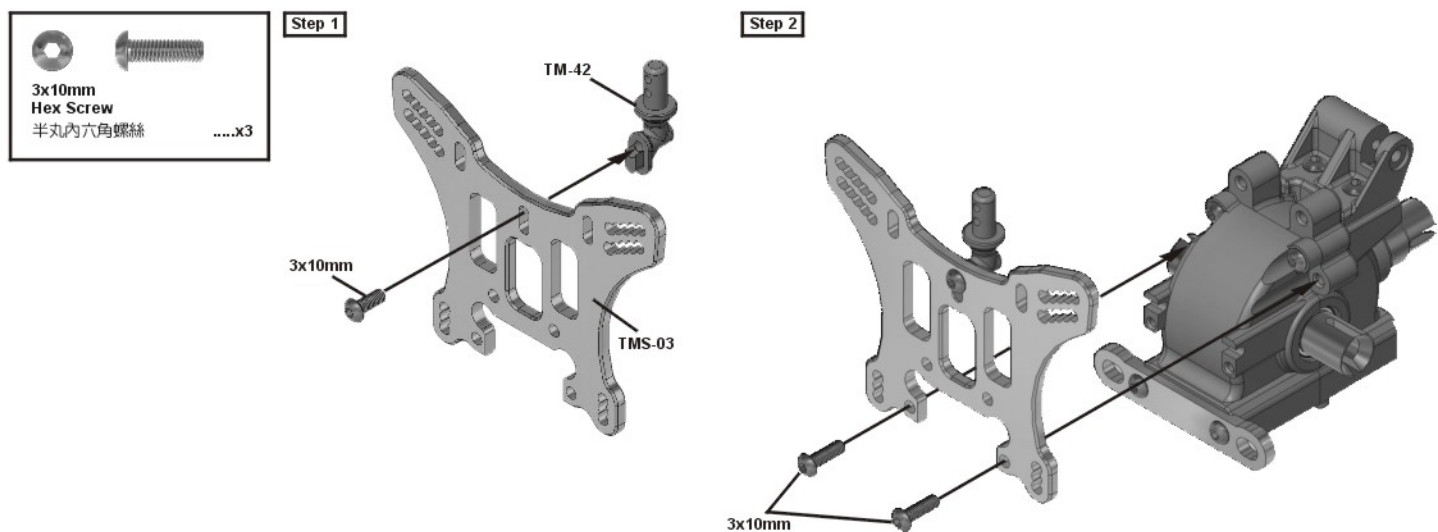
16 ASSEMBLY OF THE REAR GEAR CASE

後齒輪箱組合



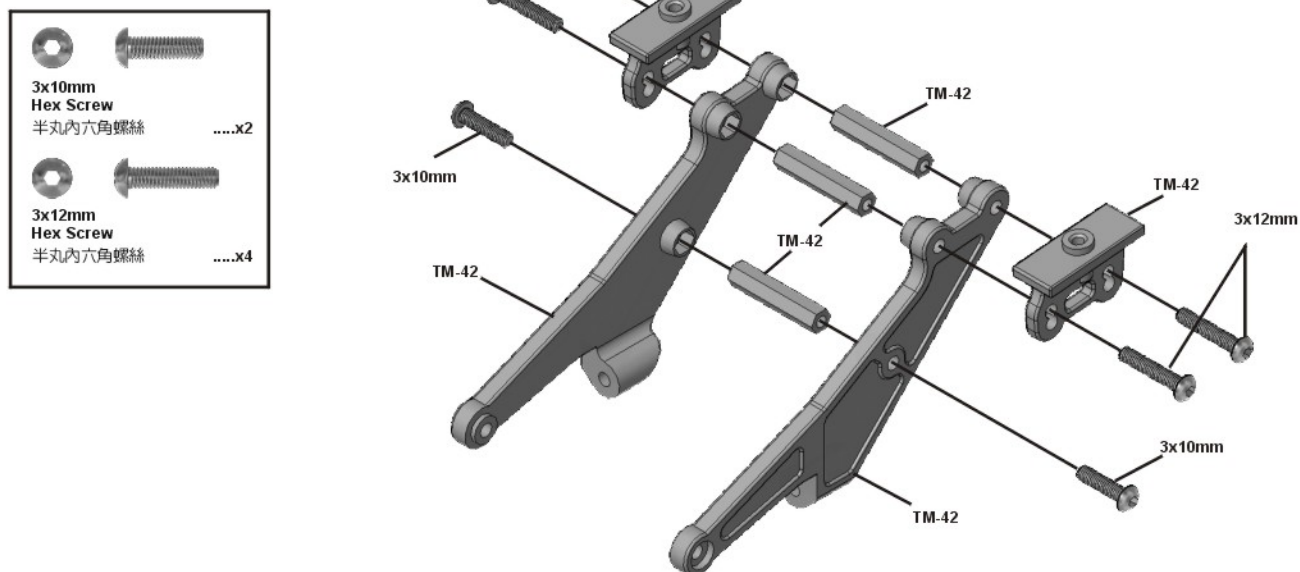
17 ASSEMBLY OF THE REAR SHOCK STAY

後油壓架組合



18 ASSEMBLY OF THE WING STAY

後定風翼架組合

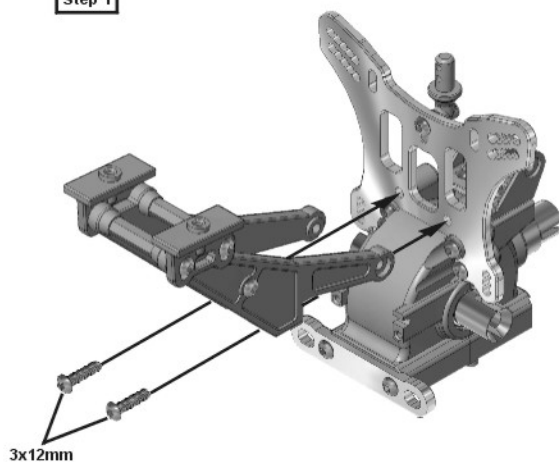


19 ASSEMBLY OF THE WING STAY

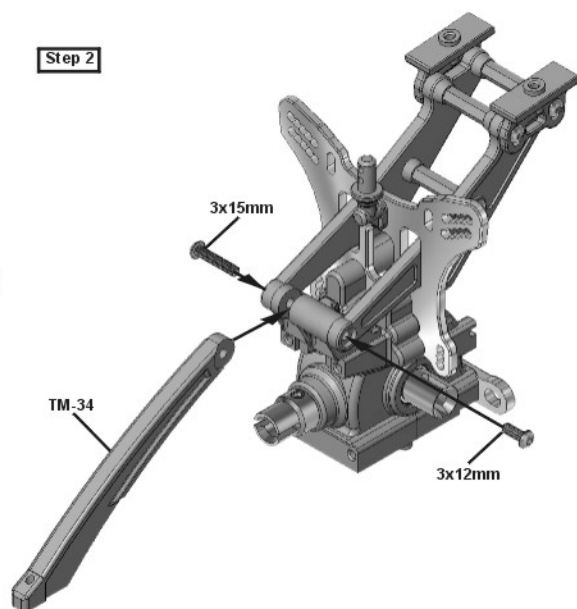
後定風翼架組合



Step 1

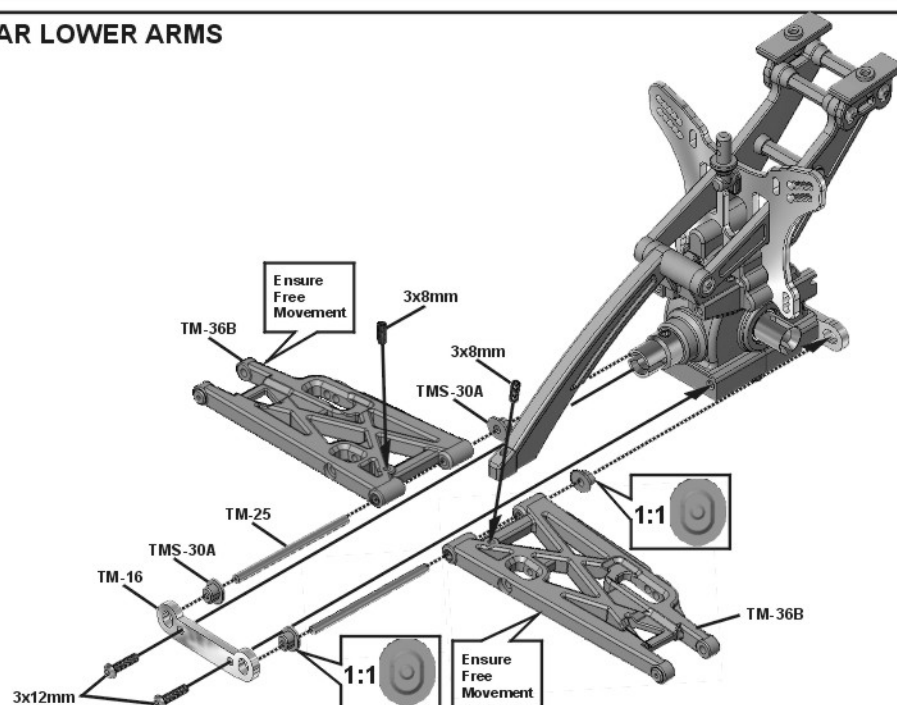


Step 2



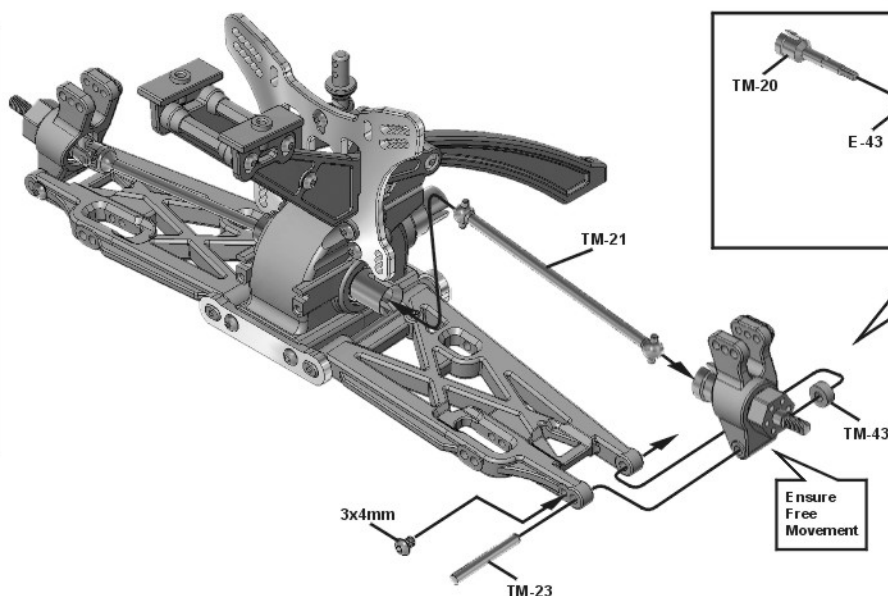
20 ASSEMBLY OF THE REAR LOWER ARMS

後下擺臂組合

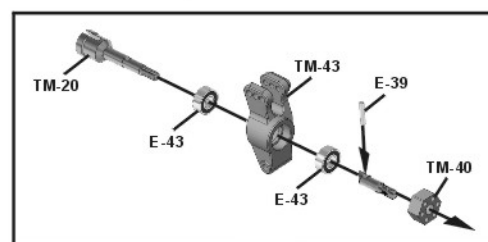


21 ASSEMBLY OF THE REAR SUSPENSION ARMS

後懸吊系統組合

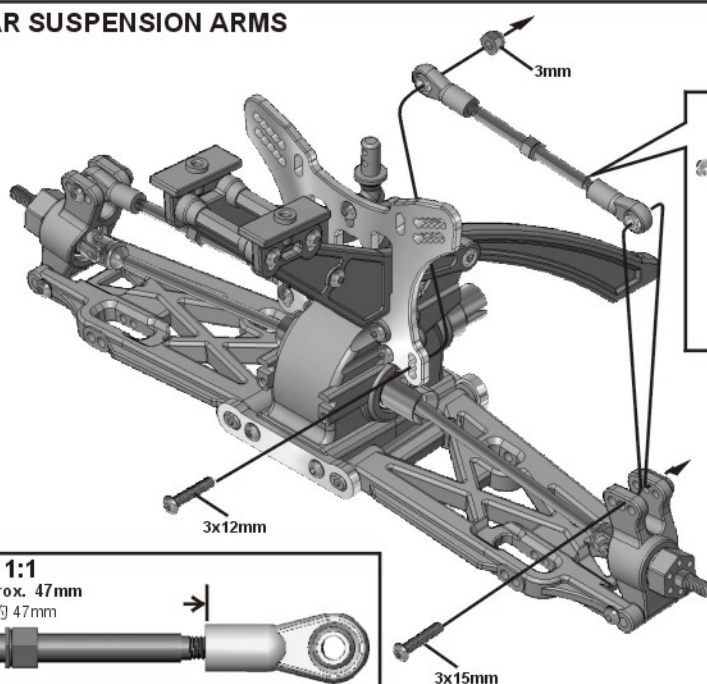


Assembly for both right and left side.
請組合左 / 右兩側

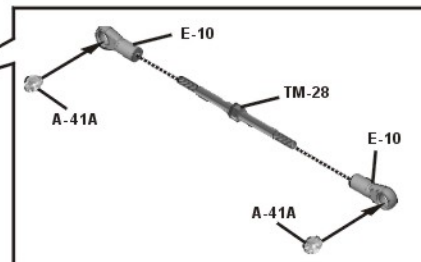


22 ASSEMBLY OF THE REAR SUSPENSION ARMS

後懸吊系統組合



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

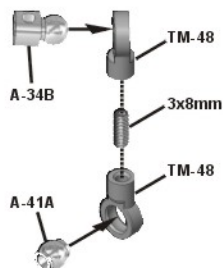
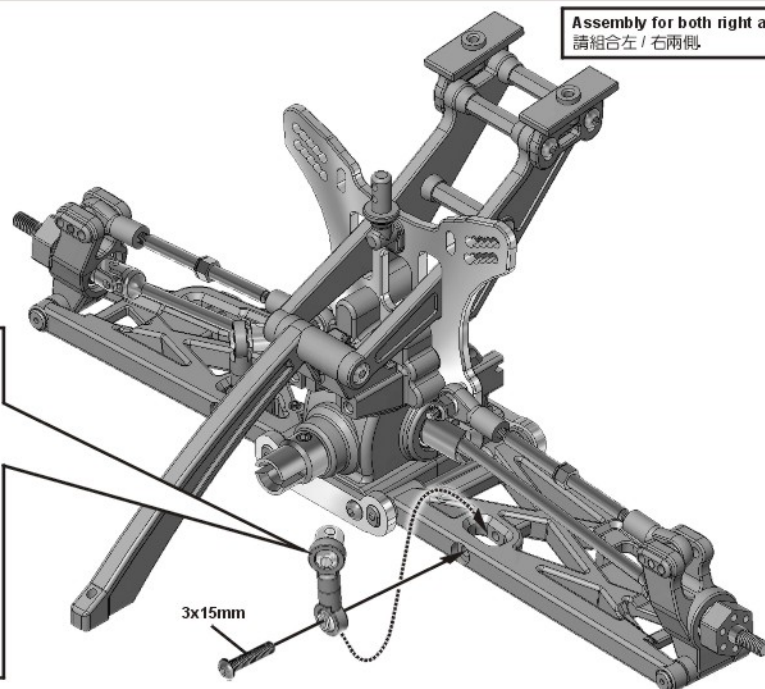


23 ASSEMBLY OF THE REAR STABILIZER

後平衡桿組合



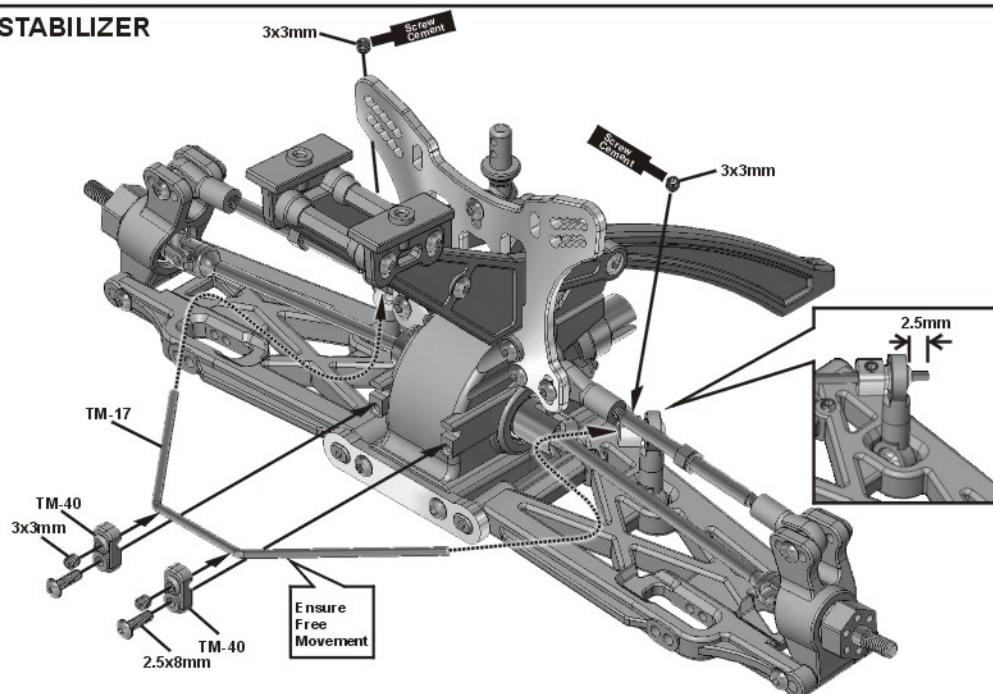
Makes two rods for left and right hand-side.
請裝配兩支平衡桿拉桿。



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

24 ASSEMBLY OF THE REAR STABILIZER

後平衡桿組合



28 ASSEMBLY OF THE CENTER DIFF. ONTO CHASSIS

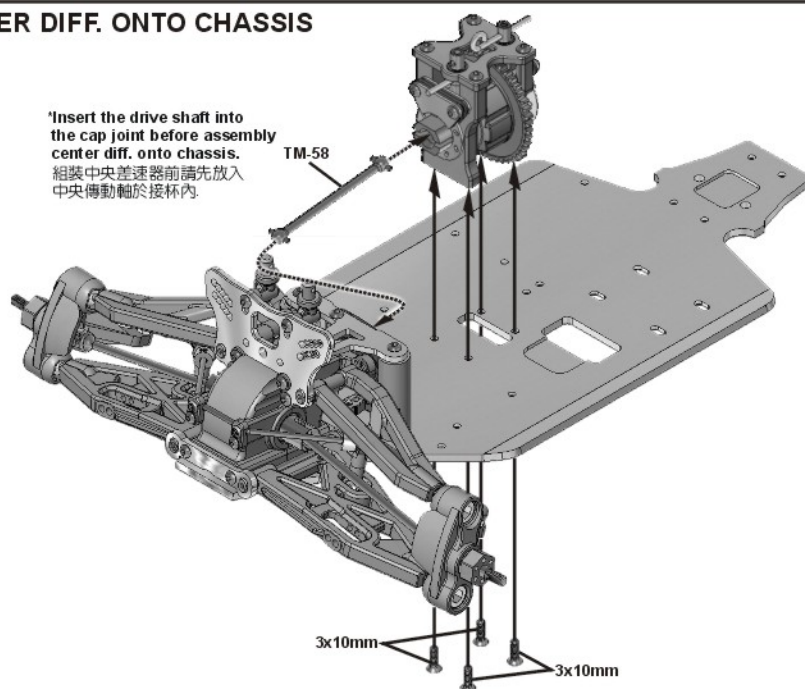
組合中差座至底盤



3x10mm
Flat Head Hex Screw
皿頭內六角螺絲

.....x4

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



29 ASSEMBLY OF THE REAR GEAR CASE ONTO CHASSIS

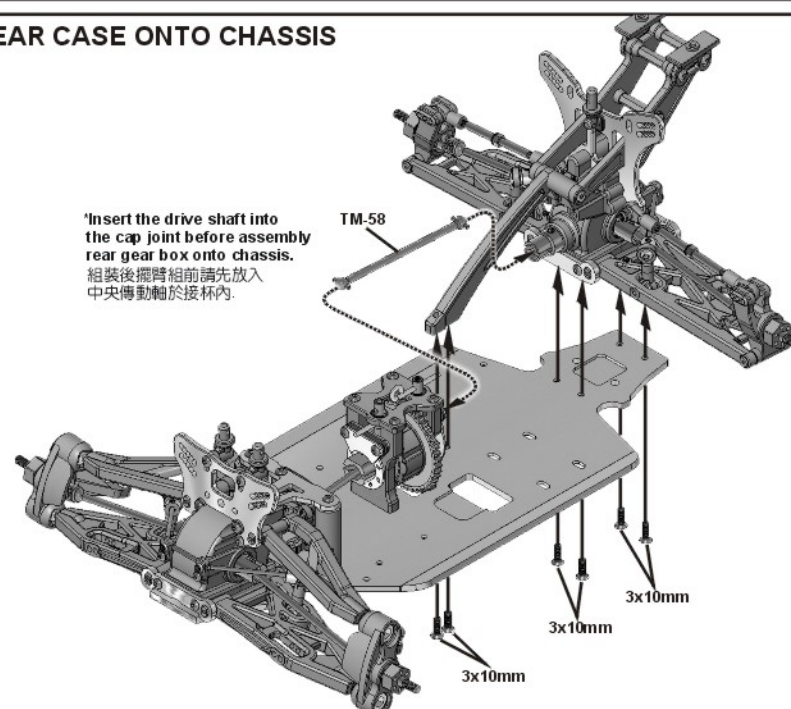
組合後齒輪箱至底盤



3x10mm
Flat Head Hex Screw
皿頭內六角螺絲

.....x6

*Insert the drive shaft into the cap joint before assembly rear gear box onto chassis.
組裝後擺臂組前請先放入中央傳動軸於接杯內。



30 ASSEMBLY OF THE RADIO TRAY

二樓板組合



3x8x0.8mm Washer
墊片

.....x8



3x10mm
Flat Head Hex Screw
皿頭內六角螺絲

.....x1



3x8mm
Hex Screw
半孔內六角螺絲

.....x3



3x10mm
Hex Screw
半孔內六角螺絲

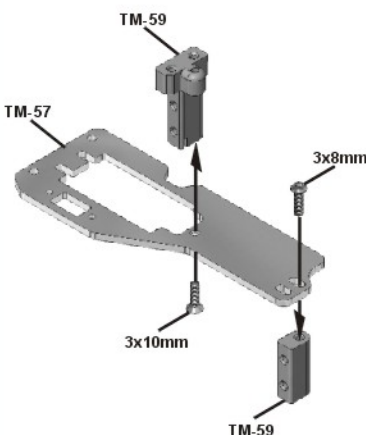
.....x4



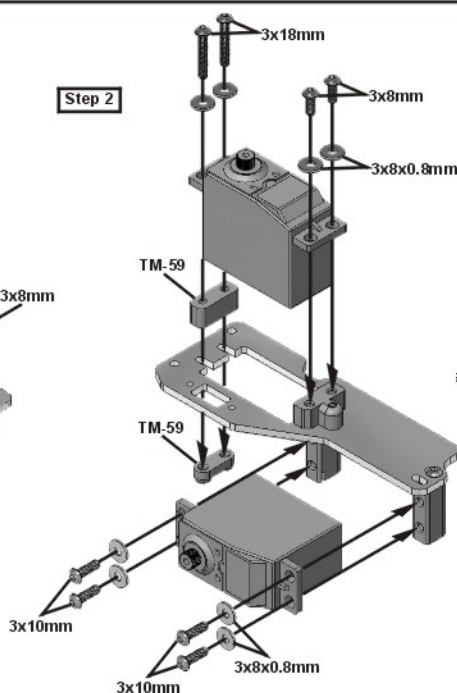
3x18mm
Hex Screw
半孔內六角螺絲

.....x2

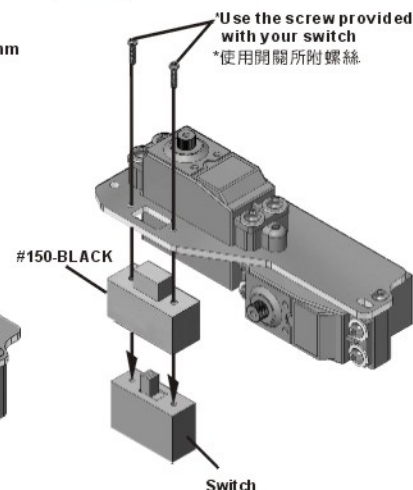
Step 1



Step 2



Step 3



*Use the screw provided with your switch
*使用開關所附螺絲

31 ASSEMBLY OF THE RADIO TRAY AND RECEIVER BOX

二樓板與防水盒組合



3x8mm
Hex Screw
半丸內六角螺絲

....x2

Step 1

3x8mm

TM-33

*Steering servo wire.
*轉向伺服機電源線。

Steering Servo

*Put the Servo and Switch wire into receiver box and connect to receiver .
*伺服機及開關接頭放入防水盒內並接上接收機。

*請將轉向伺服機電源線依圖示安裝。

Step 2

A-56

#364-BR

TM-33

E-41

#385

Use the
"AAA" battery

Receiver

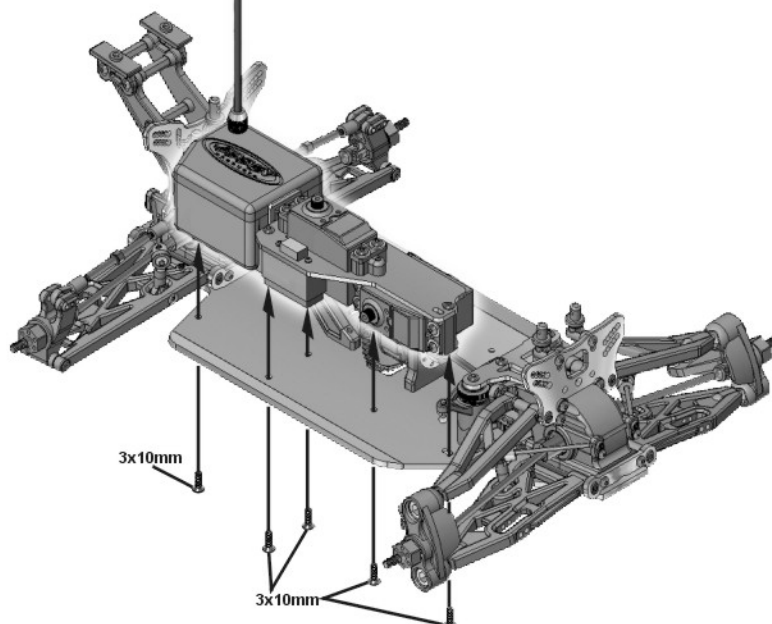
32 ASSEMBLY OF THE RADIO TRAY ONTO CHASSIS

組合二樓板至底盤



3x10mm
Flat Head Hex Screw
皿頭內六角螺絲

....x5

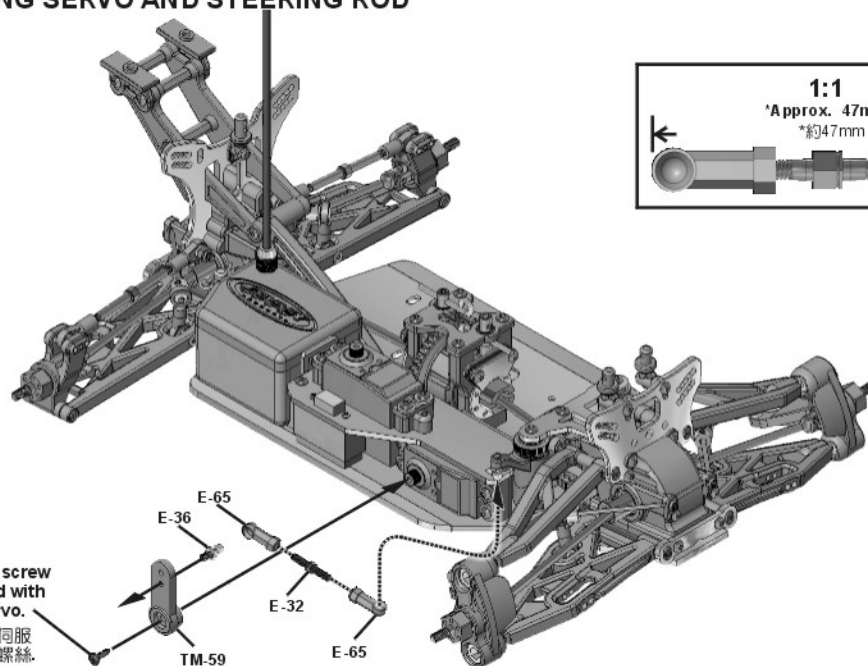


3x10mm

3x10mm

33 ASSEMBLY OF THE STEERING SERVO AND STEERING ROD

轉向伺服機與轉向拉桿組合



*Use the screw
provided with
your servo.
請取用自伺服
機所附的螺絲。

E-36

E-65

E-32

E-65

TM-59

1:1

*Approx. 47mm
*約47mm



34 ASSEMBLY OF THE FUEL TANK ONTO CHASSIS

組合油箱至底盤

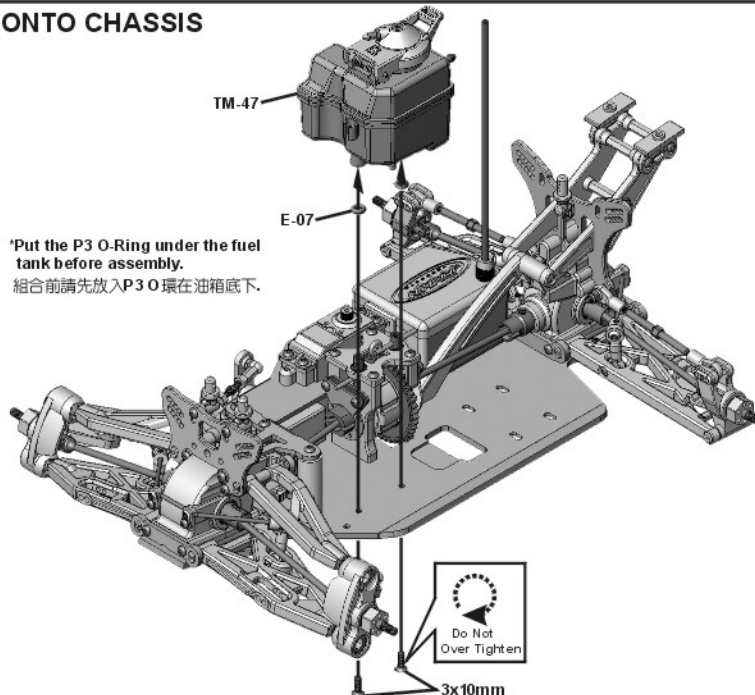


E-07
P3 O-Ring
P3 O環x2



3x10mm
Flat Head Hex Screw
皿頭內六角螺絲x2

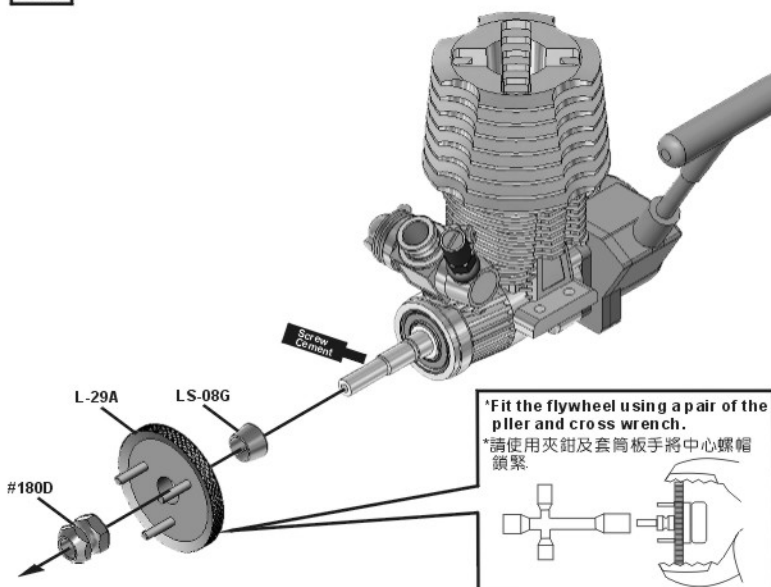
*Put the P3 O-Ring under the fuel tank before assembly.
組合前請先放入P3 O環在油箱底下。



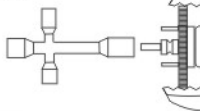
35 ASSEMBLY OF THE CLUTCH

組合離合器

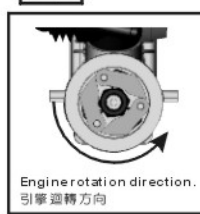
Step 1



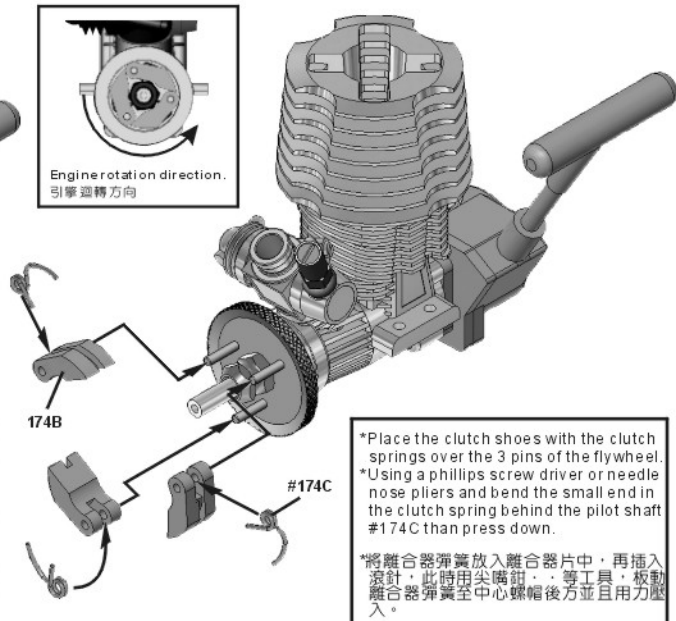
*Fit the flywheel using a pair of the piler and cross wrench.
*請使用夾鉗及套筒板手將中心螺帽鎖緊。



Step 2



Engine rotation direction.
引擎旋轉方向



*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 in the clutch spring behind the pilot shaft #174C than 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。

36 ASSEMBLY OF THE CLUTCH AND ENGINE MOUNT

組合離合器與引擎座



3x8mm Washer
墊片x1



5x8x0.3mm Washer
墊片x1



5x8x0.8mm Washer
墊片x2



3x5mm Cap Screw
有頭內六角螺絲x1



3x12mm Cap Screw
有頭內六角螺絲x4

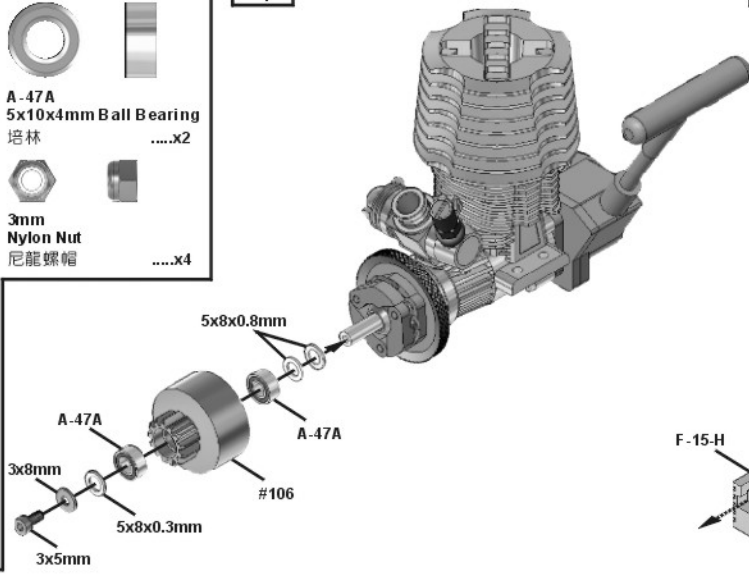


A-47A
5x10x4mm Ball Bearing
培林x2

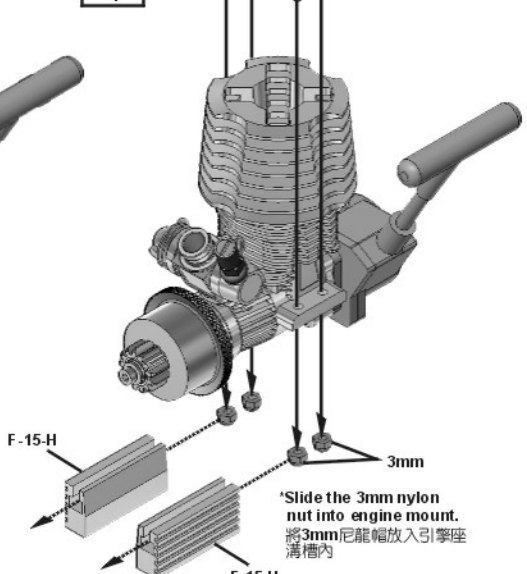


3mm
Nylon Nut
尼龍螺帽x4

Step 1



Step 2



*Slide the 3mm nylon nut into engine mount.
將3mm尼龍帽放入引擎座溝槽內

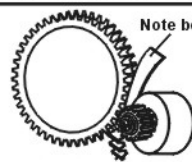
37 ASSEMBLY OF THE ENGINE ONTO CHASSIS

組合引擎至底盤



3x8mm
Hex Screw
半丸內六角螺絲

....x4

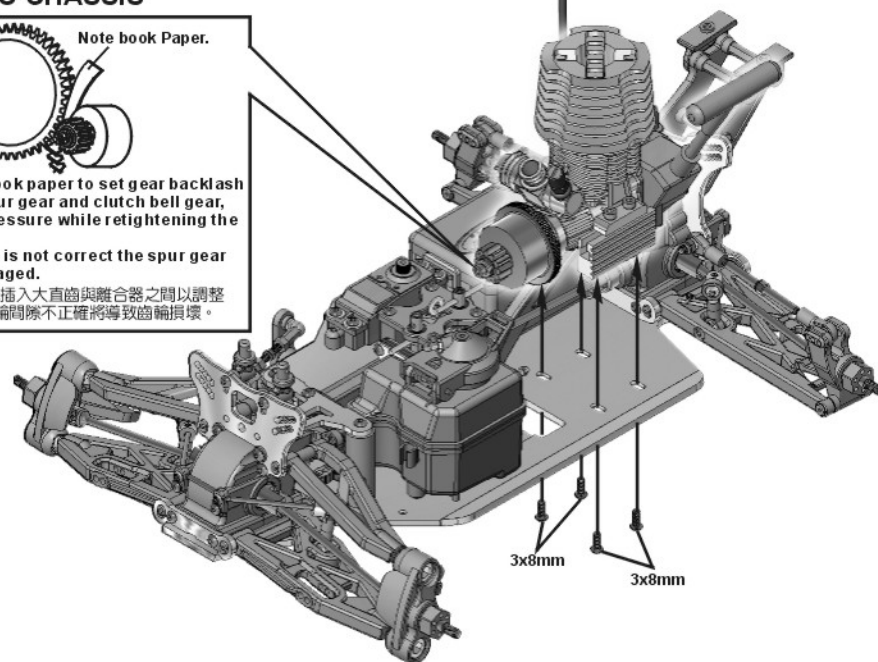


Note book Paper.

*Use note book paper to set gear backlash between spur gear and clutch bell gear, applying pressure while retightening the engine.

*If the space is not correct the spur gear will be damaged.

使用筆記本紙插入大直齒與離合器之間以調整齒輪間隙。齒輪間隙不正確將導致齒輪損壞。



38 ASSEMBLY OF THE MANIFOLD AND MUFFLER

排氣管與彎管組合



4x4mm
Set Screw
止付螺絲

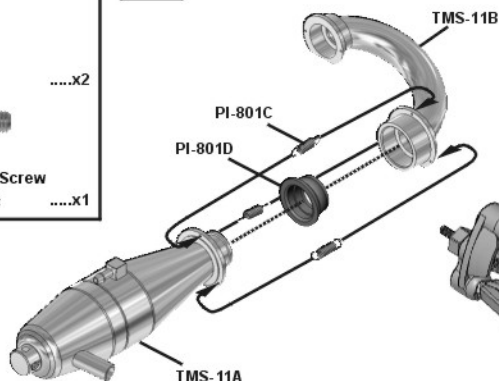
....x2



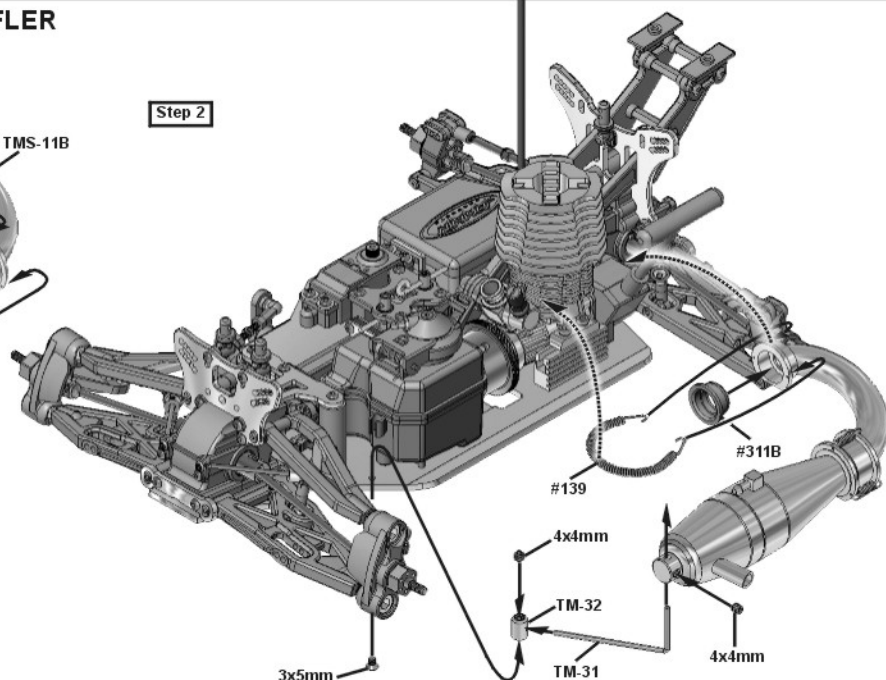
3x5mm
Flat Head Hex Screw
扁頭內六角螺絲

....x1

Step 1



Step 2



39 ASSEMBLY OF THE THROTTLE LINKAGE

油門伺服盤與煞車調整組組合



3x3mm
Set Screw
止付螺絲

....x2



2mm Nut
螺帽

....x2



J-47F
2.5mm Nylon Nut
止鬆螺帽

....x1



2X8mm
Screw
半丸十字螺絲

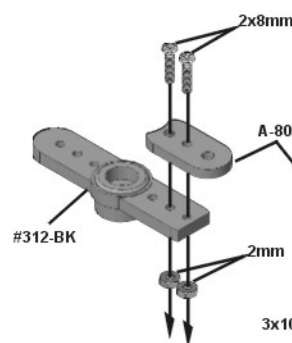
....x2



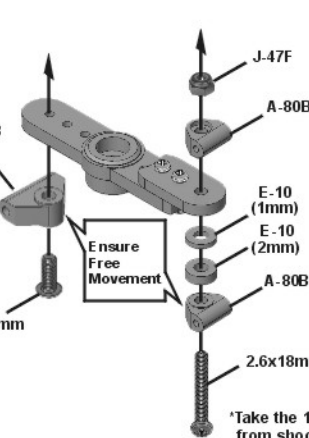
2.6X18mm
Screw
半丸十字螺絲

....x1

Step 1



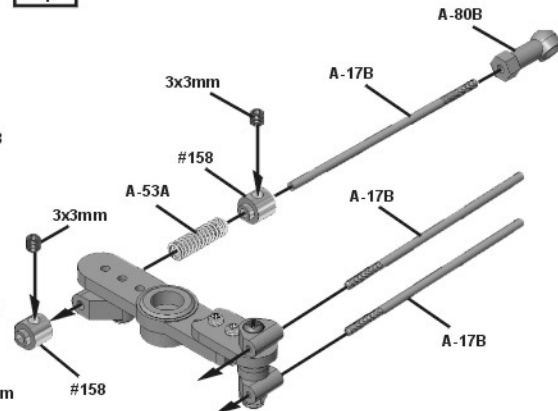
Step 2



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



Step 3



*Take the 1mm and 2mm washer from shock plastic tree.

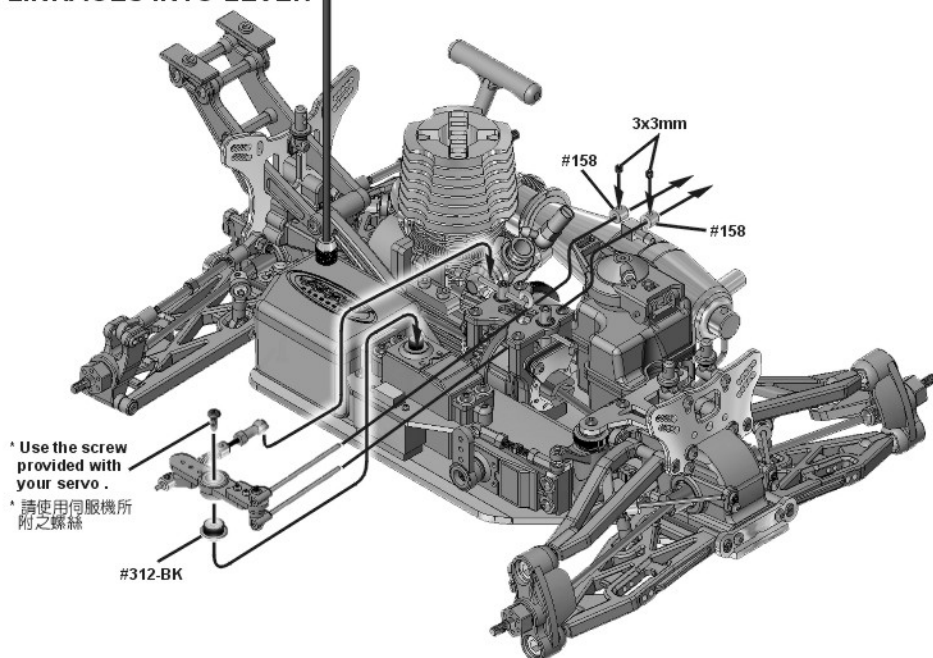
請至避震器塑膠零件取用1mm及2mm墊片。

40 ASSEMBLY OF THE THROTTLE LINKAGES INTO LEVER 油門伺服盤與煞車調整組組合



3x3mm
Set Screw
止付螺絲

.....x2



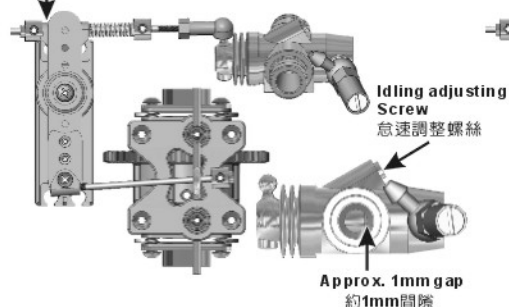
* Use the screw provided with your servo.
* 請使用伺服機所附之螺絲

#312-BK

41 ADJUSTING THE ENGINE CONTROL LINKAGES 油門 / 煞車拉桿組調整

(Neutral)
中立點位置

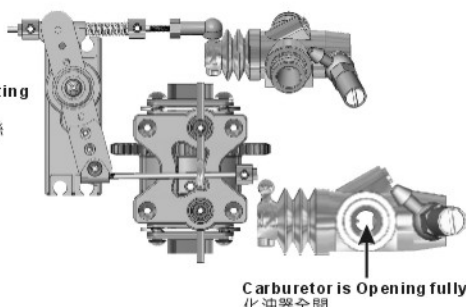
Approx. 0.5mm
約0.5mm



- * Turn on the Transmitter then Receiver and set the Engine Control Servo Trim to the neutral position.
- * Adjust the idling adjusting screw on the Carburetor to be open approx. 1mm gap.
- * Adjust both of the #158 Engine Control and Brake linkage accordingly.
- * Adjust the Engine while it is not running.

- * 開啟遙控器和接收機的電源並且調整伺服機片在中立位置
- * 調整怠速螺絲使化油器開口約1mm間隙
- * 調整 #158 鉛輪檔與油門滑座約0.5mm間隙且油門 / 煞車拉桿在中立位置
- * 調整引擎怠速中，車子不可行走

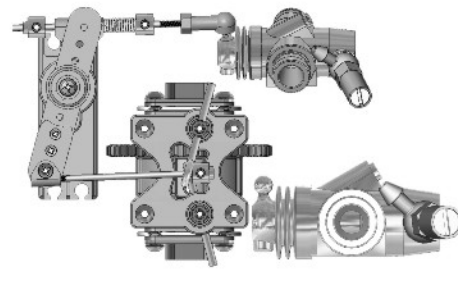
(Throttle High)
全速油門位置



- * 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 high end point.

- * 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。

(Brake)
煞車位置



- * 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 High-End Brake adjustment.
- * Adjust 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A-80A調整鉛檔，改變前 / 後煞車力度。

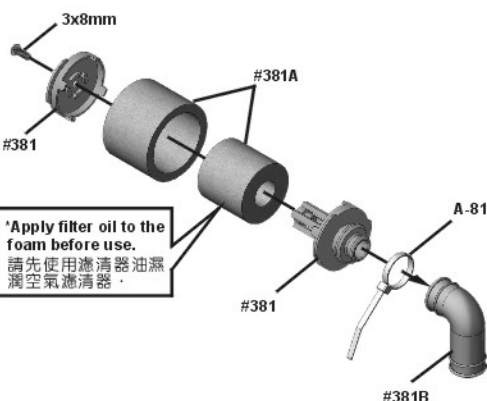
42 ASSEMBLY OF THE AIR FILTER 空氣過濾器組合



3x8mm
Hex Screw
半孔內六角螺絲

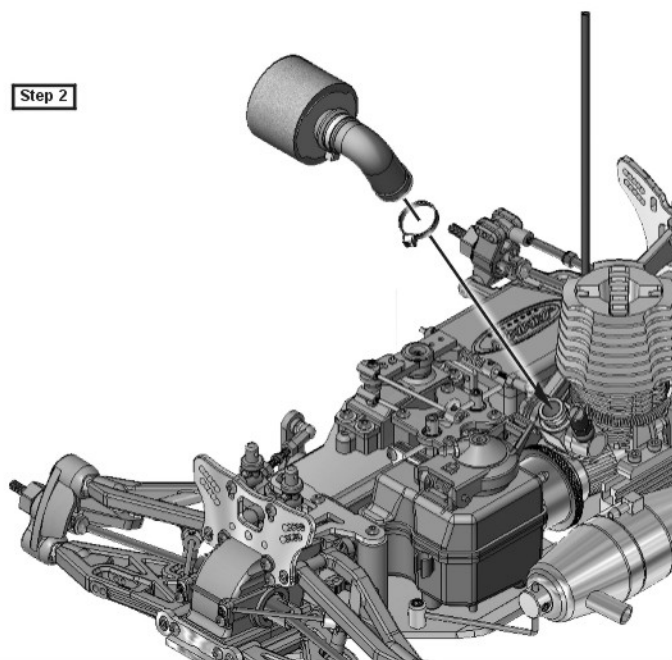
.....x1

Step 1



* Apply filter oil to the foam before use.
請先使用濾清器油潤滑空氣濾清器。

Step 2



43 ASSEMBLY OF THE FRONT SHOCKS

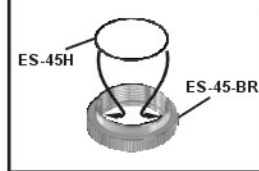
*Assemble 2 sets for front
請組合 2 支前面用

前避震器組合

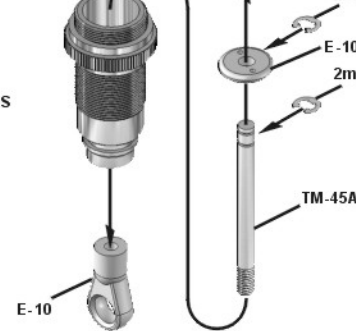


Step 1

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



Step 2



CORRECT SHOCK ASSEMBLY

油壓避震器正確組合

Carefully screw the shock shaft into the bottom of the plastic ball and until the distance between the ball and the shock body is 18mm for the front.

N.B. Do not over tighten as the plastic will strip.

請小心組合避震器塑膠球頭，並鎖入至塑膠球頭底部，並保持前油壓避震器球頭與避震器筒身距離為18mm。

*請勿將塑膠球頭鎖過緊，以避免滑牙。

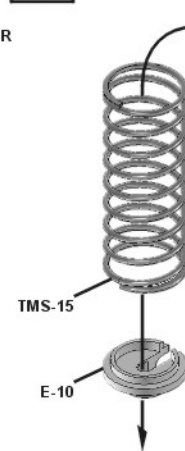


Step 3

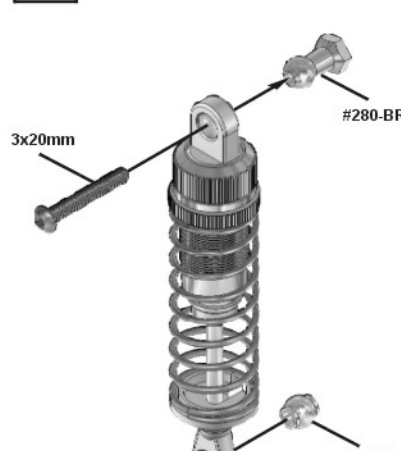
Fill the shocks with oil.
加入避震油



Step 4



Step 5



1. Pull down piston and pour oil into shock cylinder.
2. To remove air bubbles by slowly moving piston up and down.
3. Pull down piston, attach pressure top and shock oil overflow with tissue paper.

1. 拉下活塞到底部並注入避震油。
2. 輕微上下拉動活塞以使氣泡消失。
3. 拉下活塞並放入氣室，用棉紙擦拭溢出的避震油。



44 ASSEMBLY OF THE REAR SHOCKS

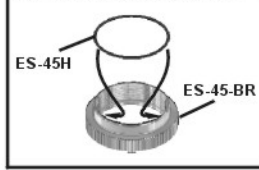
*Assemble 2 sets for rear
請組合 2 支後面用

後避震器組合

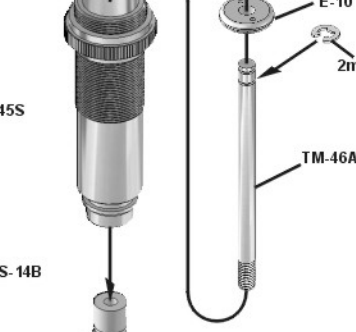


Step 1

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



Step 2



CORRECT SHOCK ASSEMBLY

油壓避震器正確組合

Carefully screw the shock shaft into the bottom of the plastic ball and until the distance between the ball and the shock body is 32mm for the rear.

N.B. Do not over tighten as the plastic will strip.

請小心組合避震器塑膠球頭，並鎖入至塑膠球頭底部，並保持後油壓避震器球頭與避震器筒身距離為32mm。

*請勿將塑膠球頭鎖過緊，以避免滑牙。

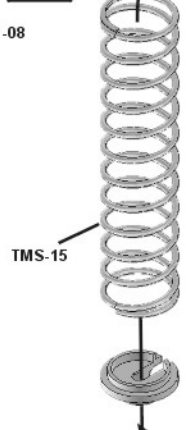


Step 3

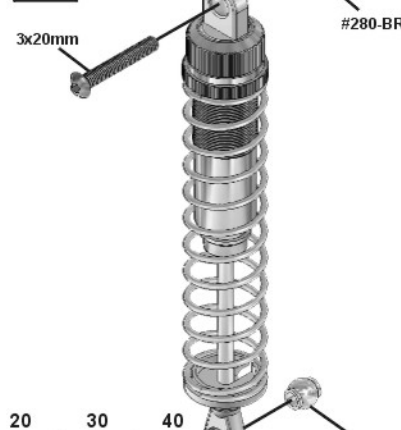
Fill the shocks with oil.
加入避震油



Step 4



Step 5

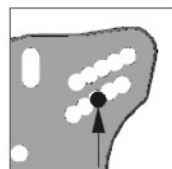
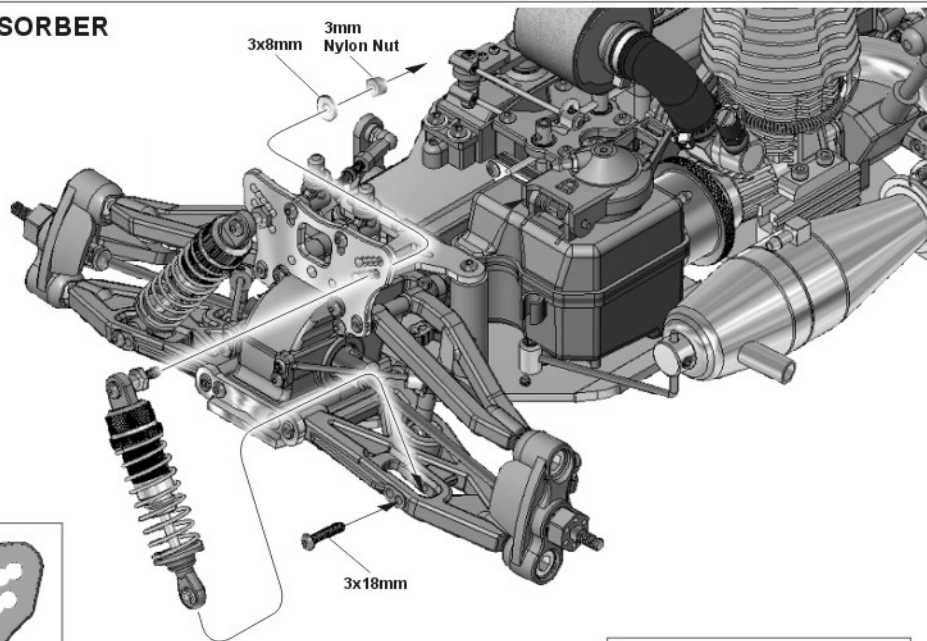


1. Pull down piston and pour oil into shock cylinder.
2. To remove air bubbles by slowly moving piston up and down.
3. Pull down piston, attach pressure top and shock oil overflow with tissue paper.

1. 拉下活塞到底部並注入避震油。
2. 輕微上下拉動活塞以使氣泡消失。
3. 拉下活塞並放入氣室，用棉紙擦拭溢出的避震油。

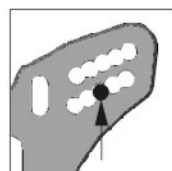
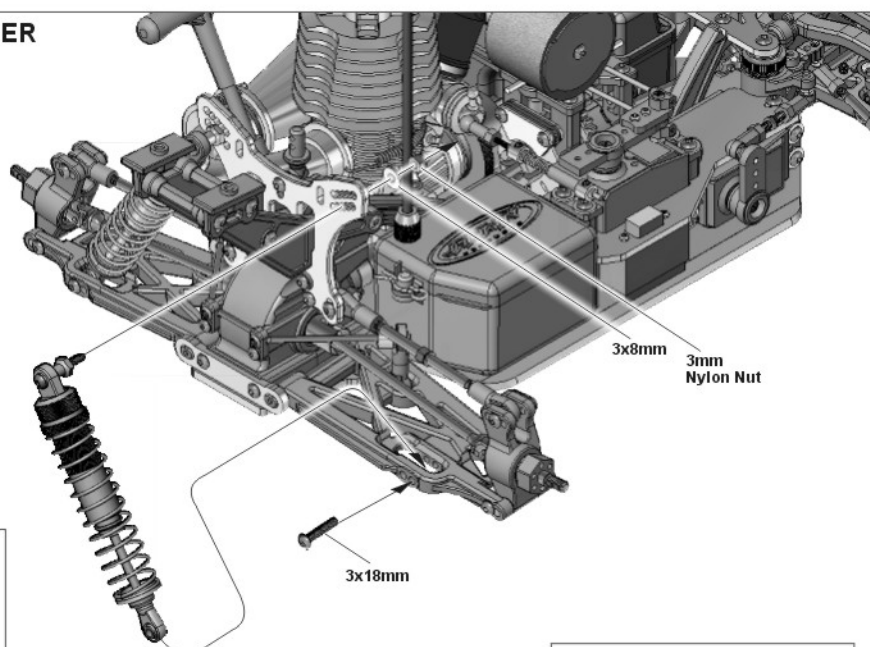


45 ASSEMBLY OF THE FRONT SHOCK ABSORBER 前避震器與油壓架組合



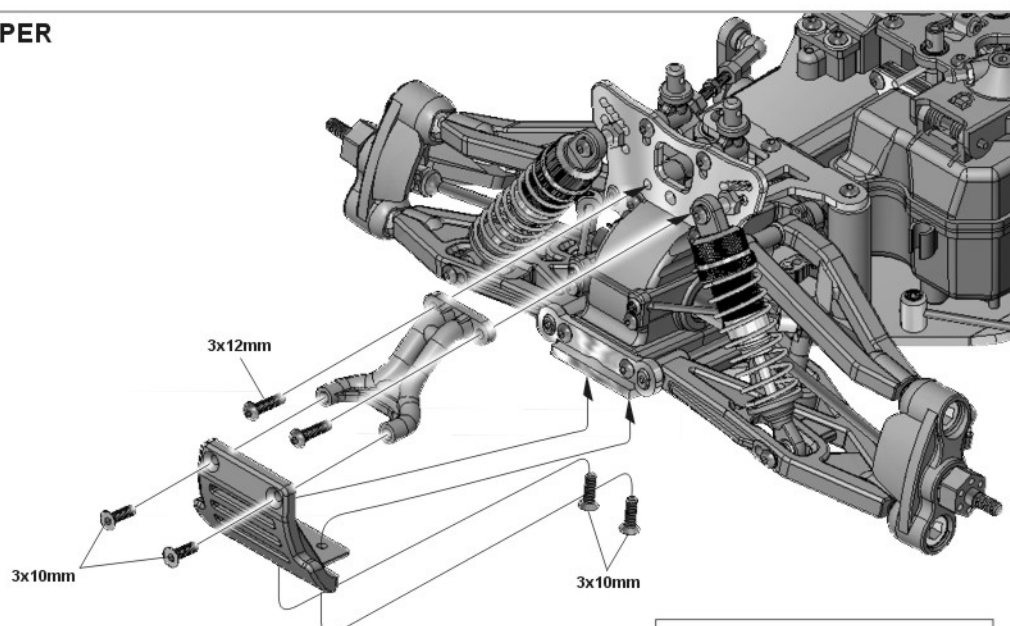
Assembly for both right and left side.
請組合左 / 右兩側。

46 ASSEMBLY OF THE REAR SHOCK ABSORBER 後避震器與油壓架組合



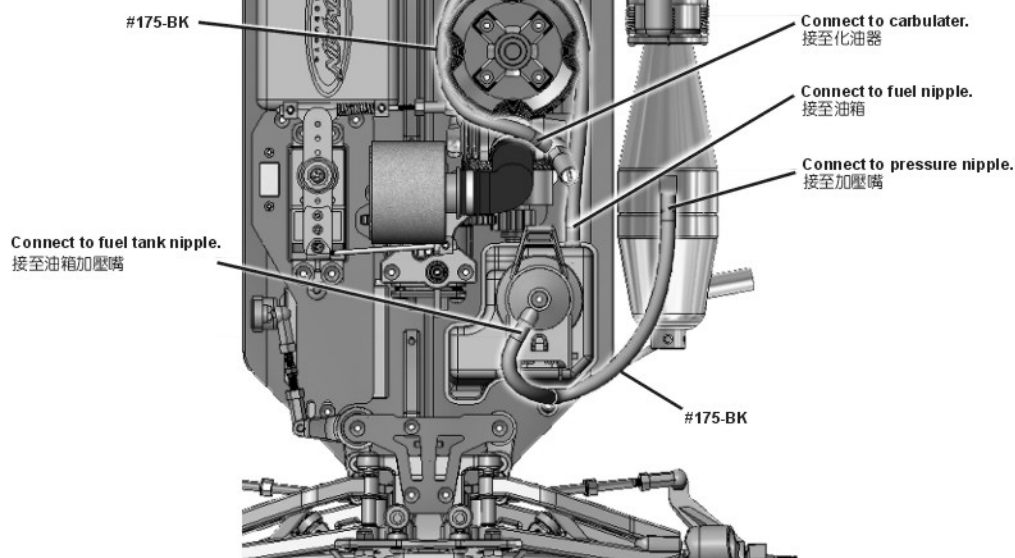
Assembly for both right and left side.
請組合左 / 右兩側。

47 ASSEMBLY OF THE FRONT BUMPER 前防撞板組合

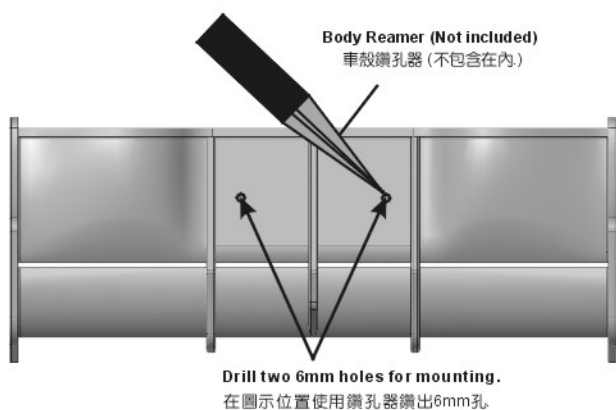
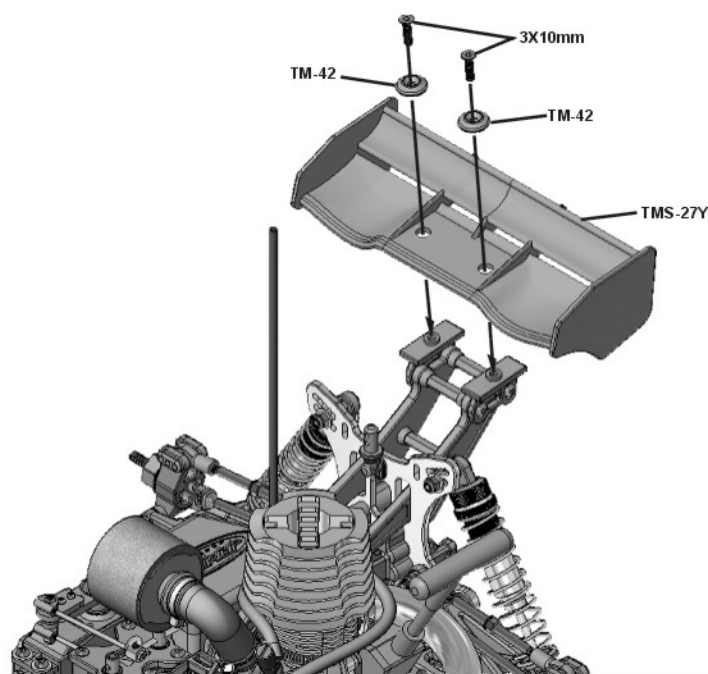


*Insert the front bumper before assembly
the screw.
請先放入前防撞板再鎖上螺絲。

48 ASSEMBLY OF THE FUEL TUBE 油管組合

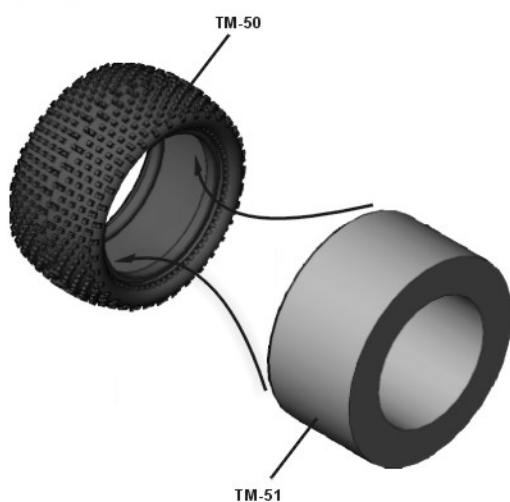


49 ASSEMBLY OF THE WING 定風翼架組合

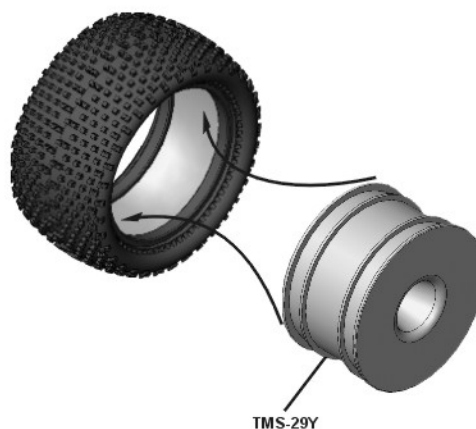


50 ASSEMBLY OF THE TIRES AND WHEELS 輪胎與輪圈組合

Step 1

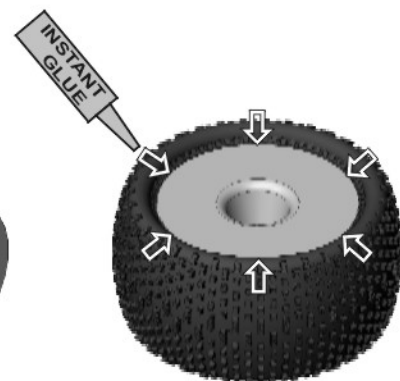


Step 2



Step 3

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

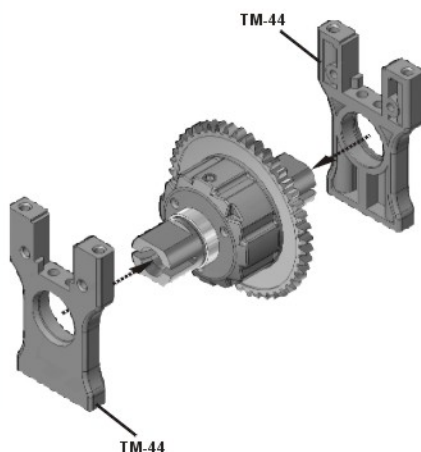


25 ASSEMBLY OF THE CENTER DIFF. MOUNT

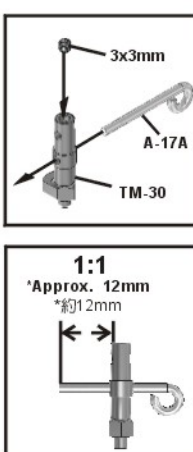
中央差速器與中差座組合



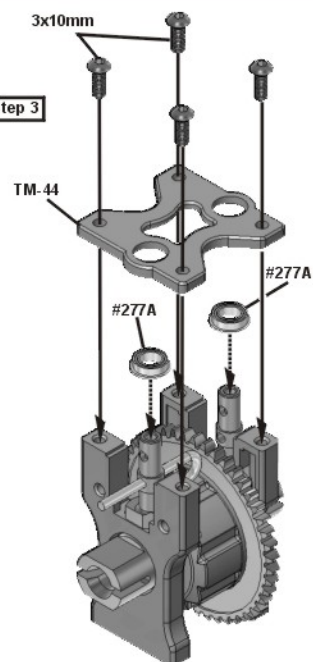
Step 1



Step 2



Step 3

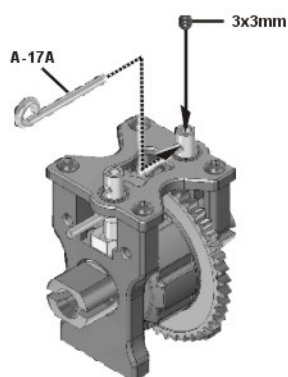


26 ASSEMBLY OF THE BRAKE DISK INTO CENTER DIFF.

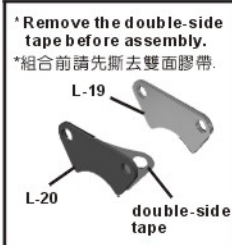
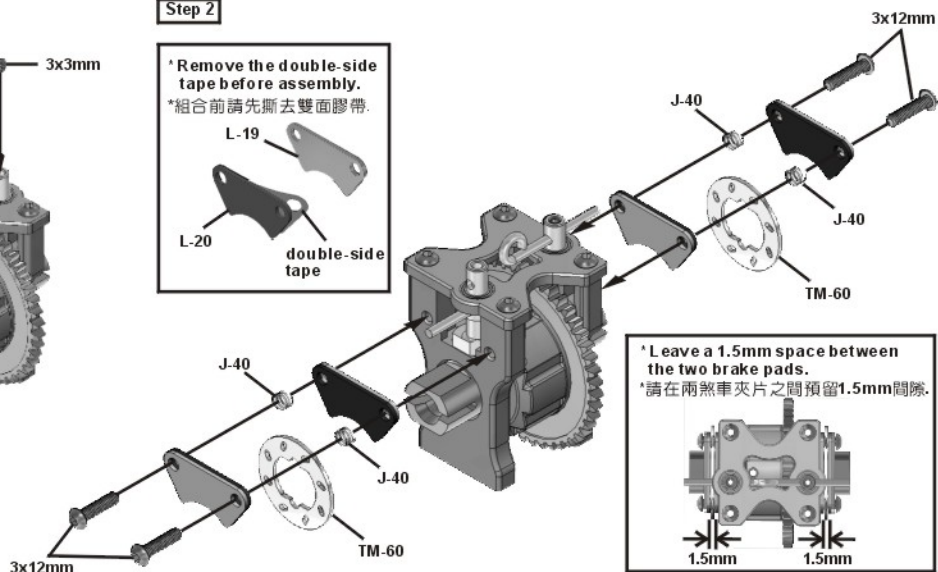
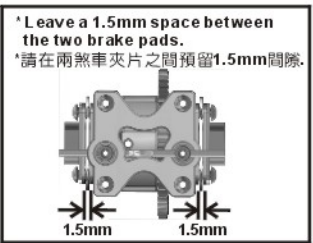
煞車片與中差座組合



Step 1

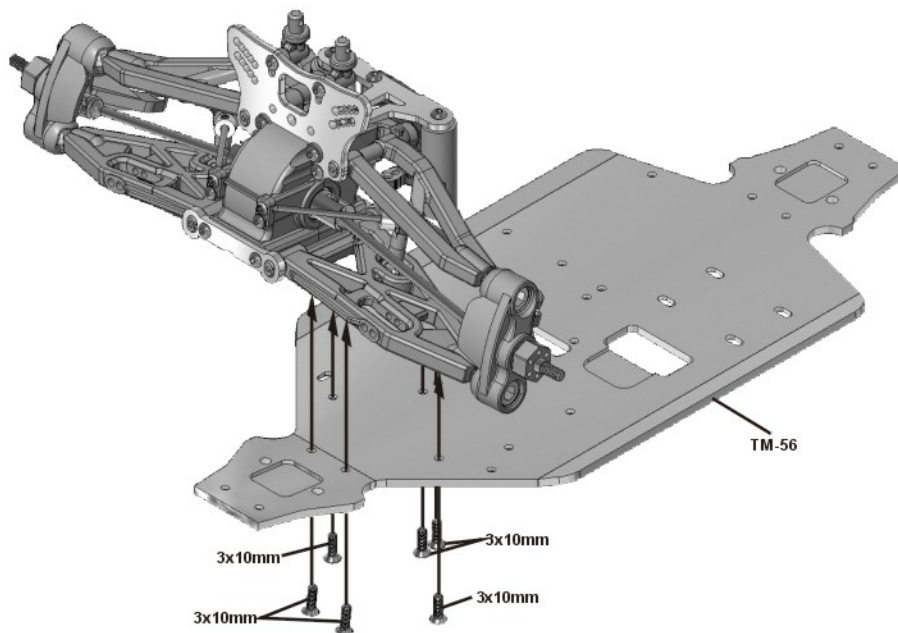


Step 2

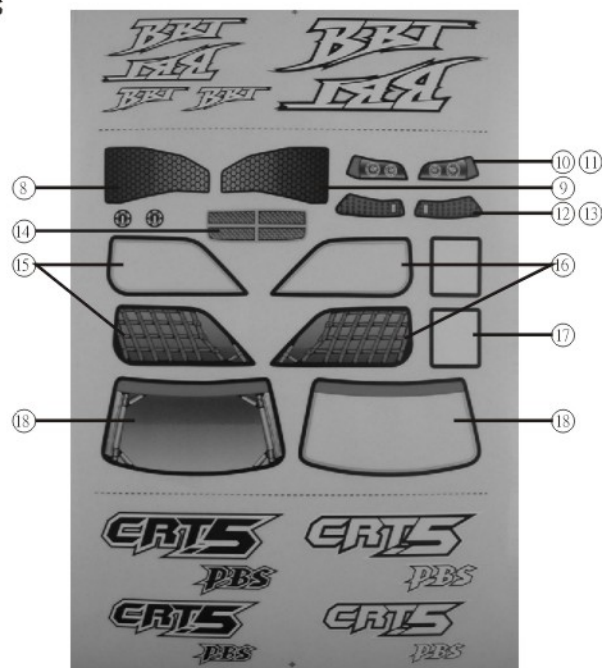
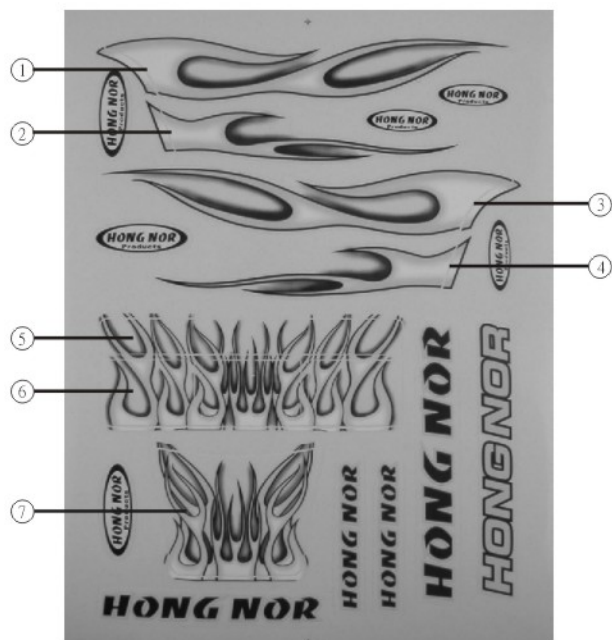


27 ASSEMBLY OF THE FRONT GEAR CASE ONTO CHASSIS

前齒輪箱與底盤組合



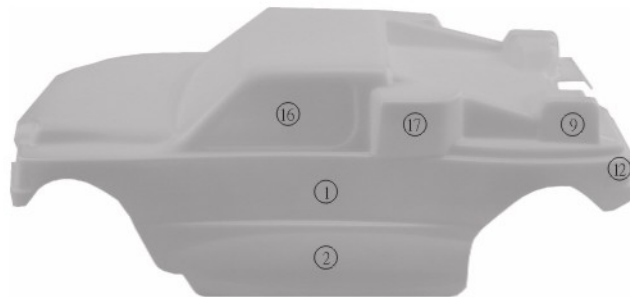
51 STICKER 貼紙



52 PUT THE STICKER ON THE BODY AND WING 將貼紙黏貼於車殼上



(Right Side)
(右邊)



(Left Side)
(左邊)

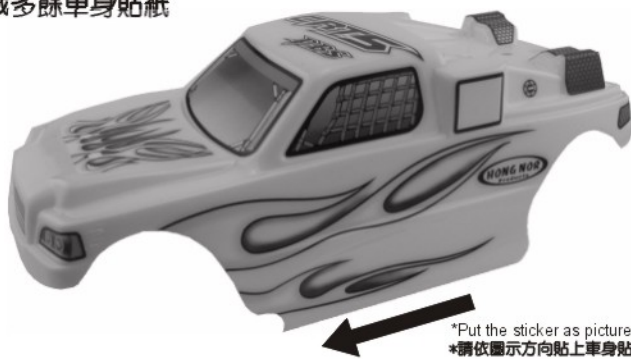


(Front)
(前面)



(Wing)
(定風翼)

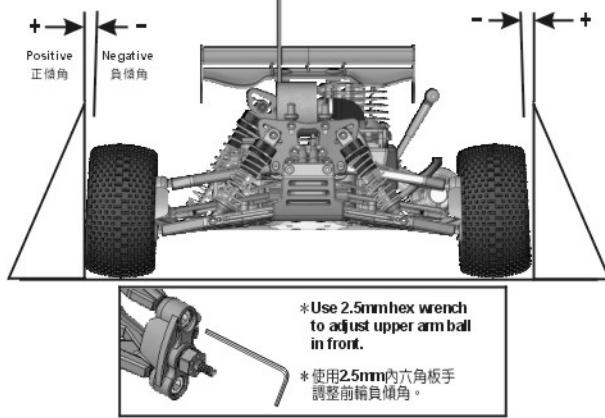
53 CUT THE EXTRA STICKER 剪裁多餘車身貼紙



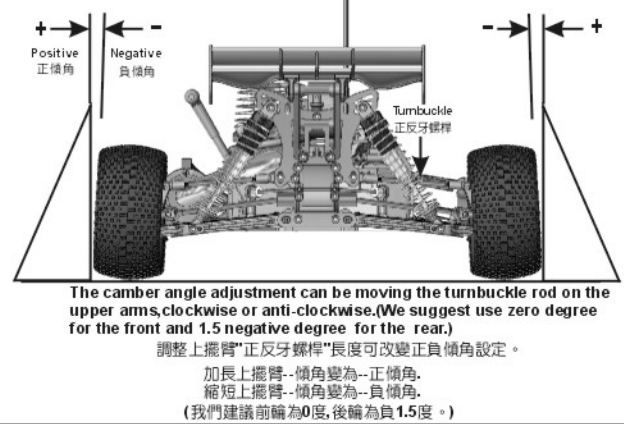
*Use hobby knife and cut the extra part.
*剪裁多餘貼紙。

SETTING GUIDE 輪胎角度設定

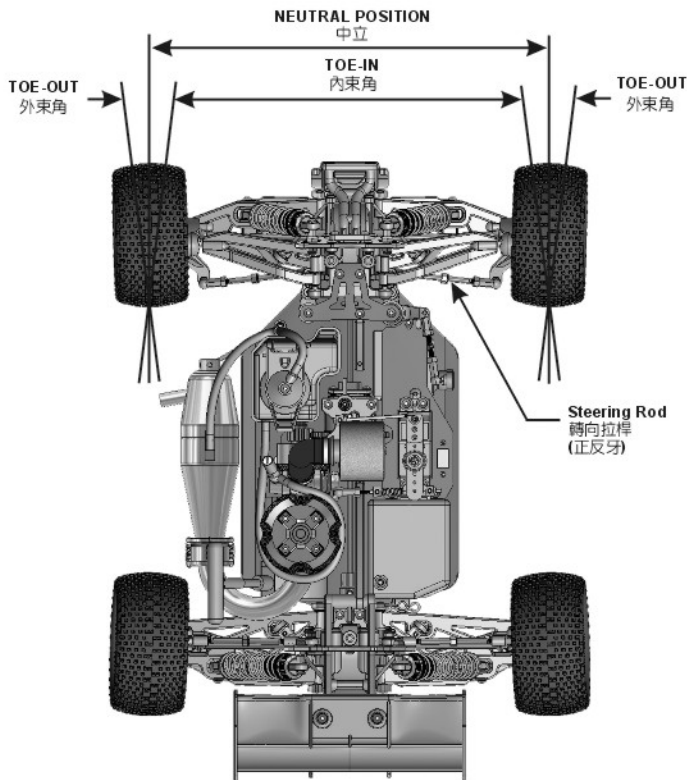
FRONT CAMBER ANGLE SETTING 前胎輪傾角調整



REAR CAMBER ANGLE SETTING 後胎輪傾角調整



FRONT TOE-IN AND TOE-OUT SETTING 前輪內束角/外束角 調整



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

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

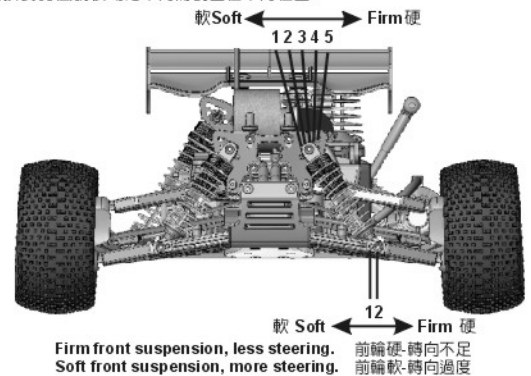
Making the tie rod shorter will make the front tires become toe-out.
Response will be quicker and will under steer.

改變前輪轉向拉桿之長度可以改變前輪“內束角”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，前輪會變成外束角。此時轉向反應會變快，並且有轉向不足情形產生。

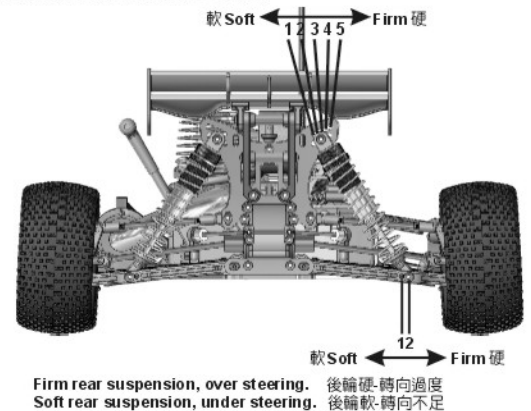
FRONT SHOCK ANGLE SETTING 前油壓避震器角度調整

前油壓避震器會因安裝在不同位置，而會使懸吊系統產生不同硬軟變化。前油壓避震器配置位置愈往車體中心，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。



REAR SHOCK ANGLE SETTING 後油壓避震器角度調整

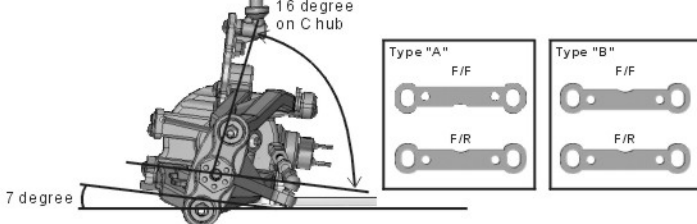
後油壓避震器會因安裝在不同位置，而會使懸吊系統產生不同硬軟變化。後油壓避震器配置位置愈往車體中心，懸吊反應變軟。後輪懸吊系統軟硬不同，會產生不同穩定力特性。油壓避震器按裝孔位，請依場地不同而調整在不同位置。



CASTER ANGLE

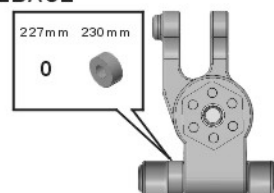
Adjust the front caster angle by changing the arm block "A" or "B" on the front lower arms. After you set the caster angle, you will also need to adjust the front upper arm position. The final caster also depends on the kick-up setting.

Example: 16 degree caster on C-hub + 7 degree kick-up + "A" lower arm block = 22 degree final caster.
16 degree caster on C-hub + 7 degree kick-up + "B" lower arm block = 23 degree final caster



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.

REAR WHEELBASE



Adjust the wheelbase by using the spacers on either side of the rear uprights (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 upright.
- 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 upright.
- 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.



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