

MST

MAX SPEED TECHNOLOGY



GMX OFF ROAD

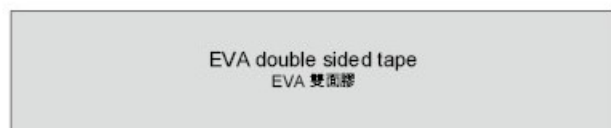
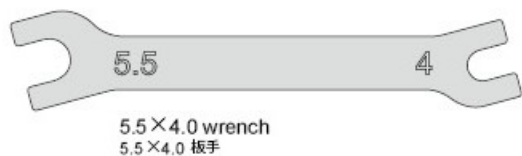
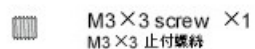
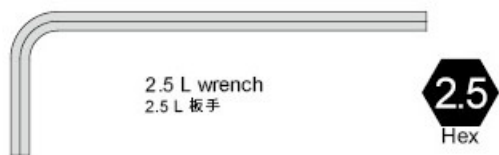
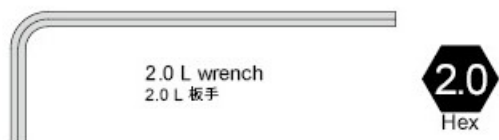
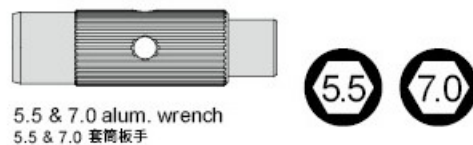
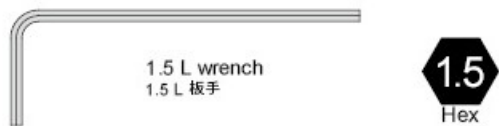
1/10 RC 4WD HIGH PERFORMANCE OFF ROAD CAR

WWW.RC-MST.COM

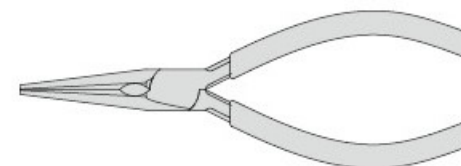
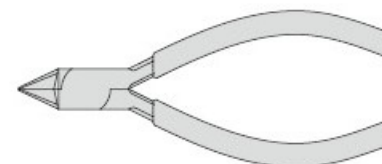
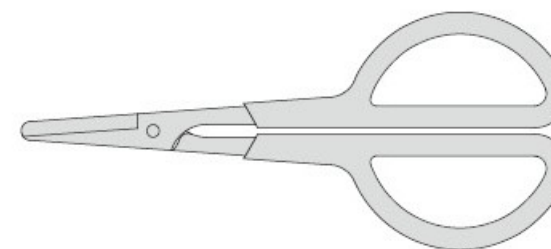
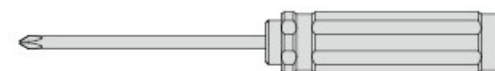
*SPECIFICATION ARE SUBJECT TO CHANGE WITHOUT NOTICE

INSTRUCTION MANUAL

WHEELBASE : 242 / 252 / 267mm [adjustable]
* Additional parts are required to 267mm setting
WIDTH : 195mm
GEAR RATIO = 1:19 - 1:42.6
TIRE WIDTH / DIAMETER : 30×90mm



NECESSARY TOOLS FOR ASSEMBLY 工具需求
(NOT INCLUDED IN KIT) (另購)



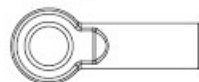
Please follow the assembling figures and instructions closely
for your [CMX] best performance!
請依照說明書圖示步驟安裝以發揮 [CMX] 最好效能!

PARTS BAG 1

1

LINKS

拉桿組



5.8×25 adjuster ×16
拉桿頭



Lower link ×4
下拉桿



4.8 ball connector ×4
球頭



M3×16 screw ×16
止付螺絲



Adjuster ×2
伺服拉桿頭



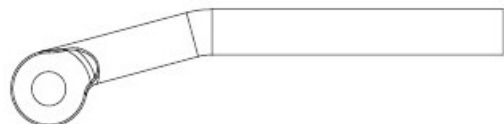
Upper link ×4
上拉桿



5.8 ball connector ×24
球頭



M3×20 screw ×10
止付螺絲



Adjuster ×2
轉向拉桿頭

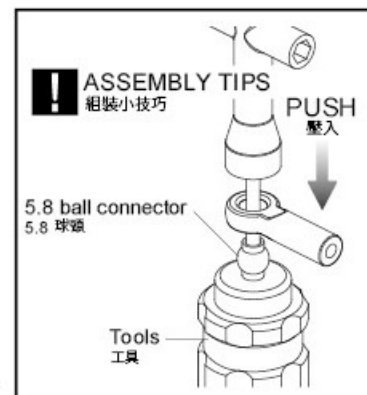


3×6×5 spacer ×8
墊片



spacer ×4
轉向襯套

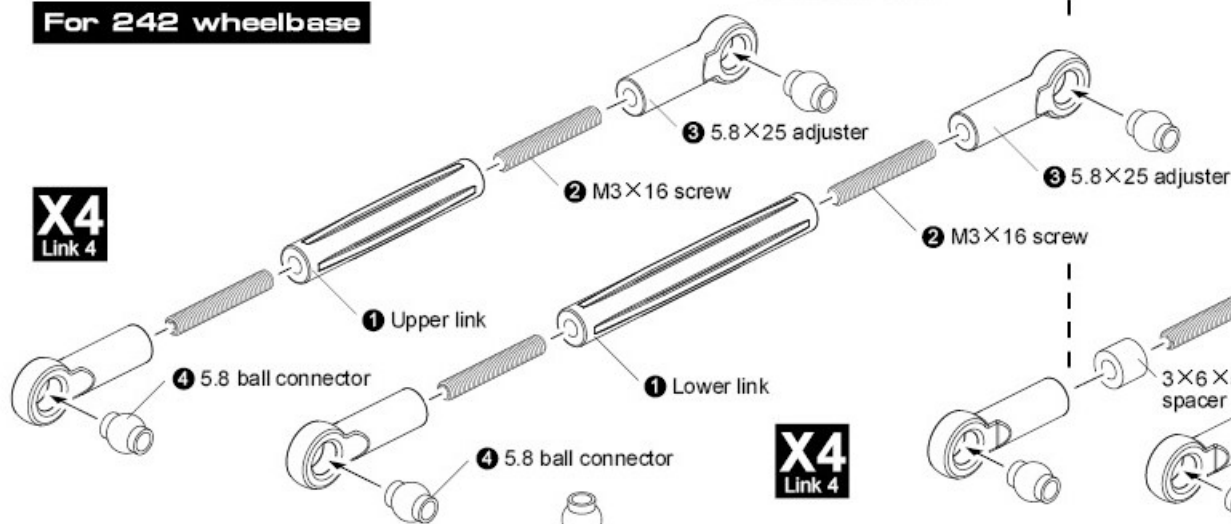
※ Used for STEP 4
保留零件到第4步驟



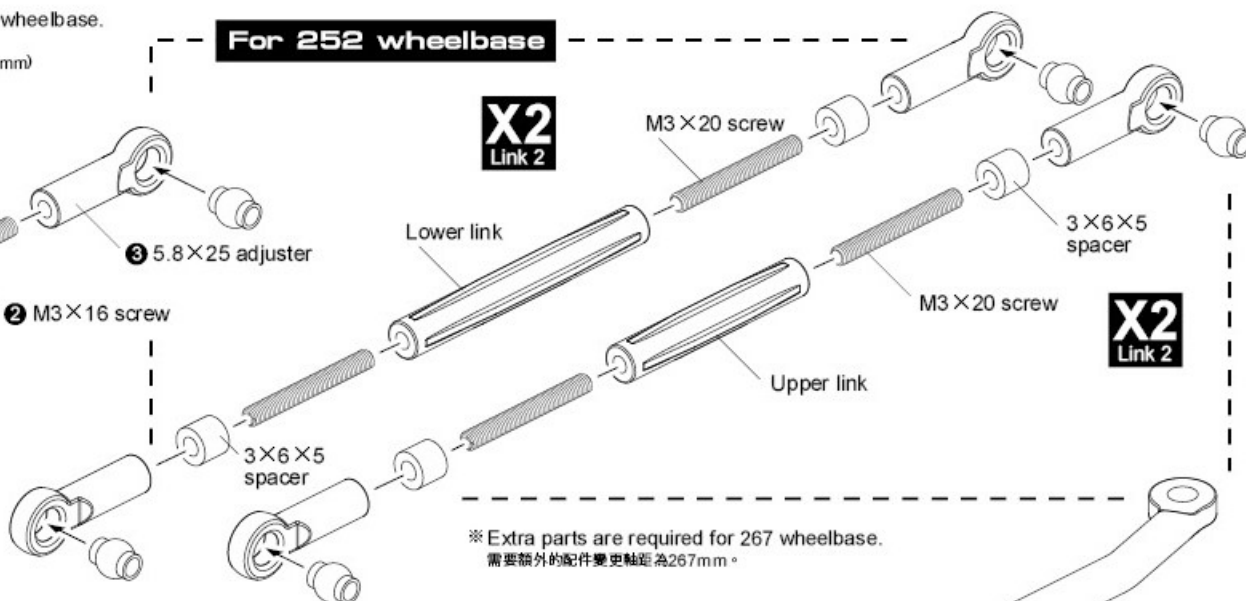
STEP 1 Upper & Lower link assembly 上&下拉桿組裝

※ Please follow the link assembly for wheelbase.
(242/ 252/ 267mm)
請依軸距組裝所需拉桿(242mm/ 252mm/ 267mm)

For 242 wheelbase

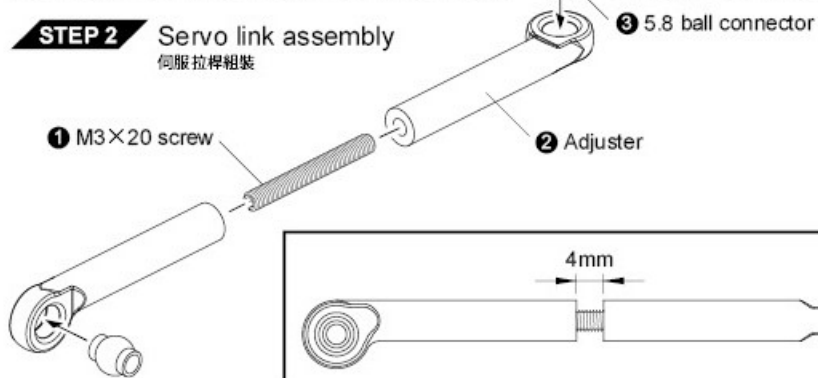


For 252 wheelbase

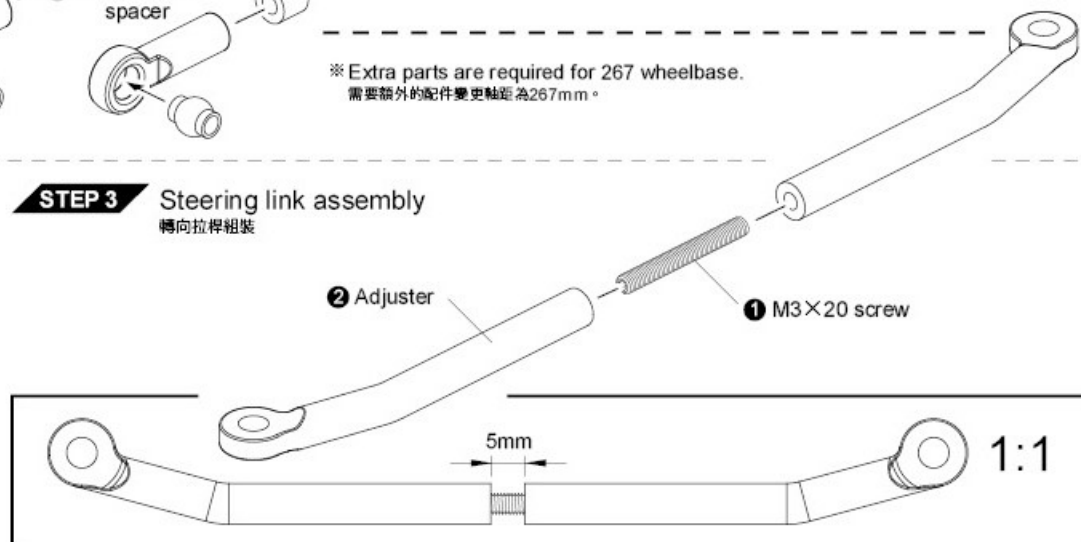


※ Extra parts are required for 267 wheelbase.
需要額外的配件變更軸距為267mm。

STEP 2 Servo link assembly 伺服拉桿組裝



STEP 3 Steering link assembly 轉向拉桿組裝



FRAME RAIL

車架

M3×8 screw ×10
圓頭螺絲

M3×10 screw ×6
圓頭螺絲

M3×16 screw ×4
圓頭螺絲

M3×18 screw ×4
圓頭螺絲

Lock nut M3 ×6
防鬆螺帽

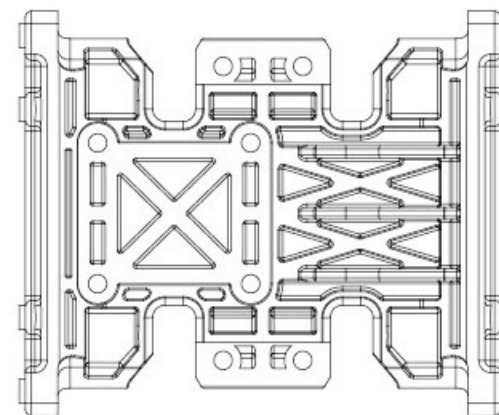
Hex. wheel hubs ×4
六角輪座

※ Used for STEP 9
保留零件到第9步驟

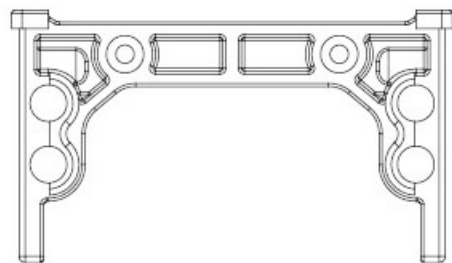
Servo spacer ×2
伺服機墊片

Servo mount ×2
伺服機座

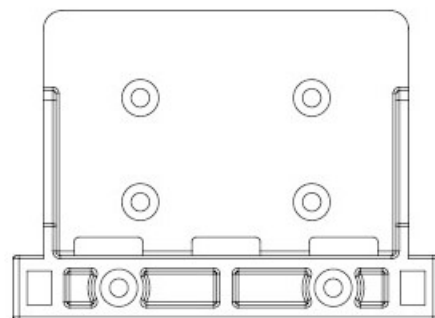
※ Used for STEP 4
保留零件到第4步驟



Gearbox chassis ×1
減速箱底盤



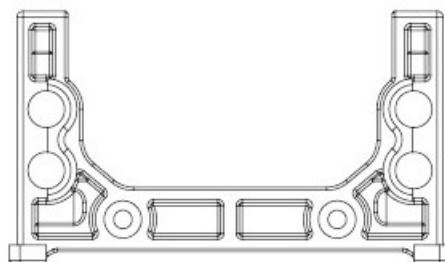
Crossmember A ×1
橫樑 A



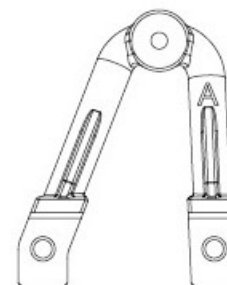
Crossmember C ×1
橫樑 C



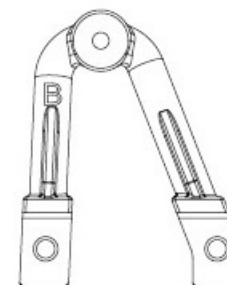
Crossmember B ×1
橫樑 B



Crossmember D ×1
橫樑 D



Damper stay A ×2
避震架



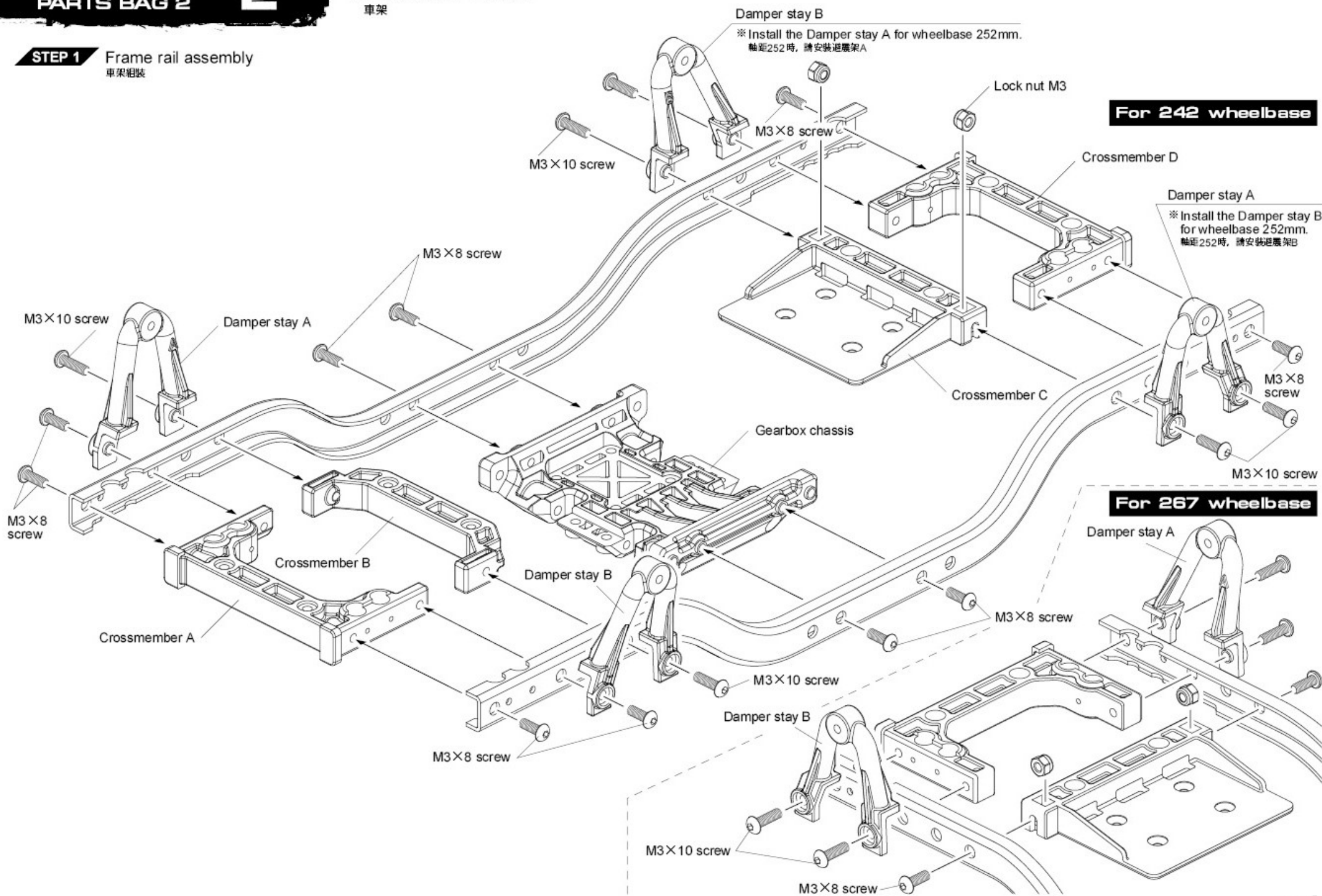
Damper stay B ×2
避震架

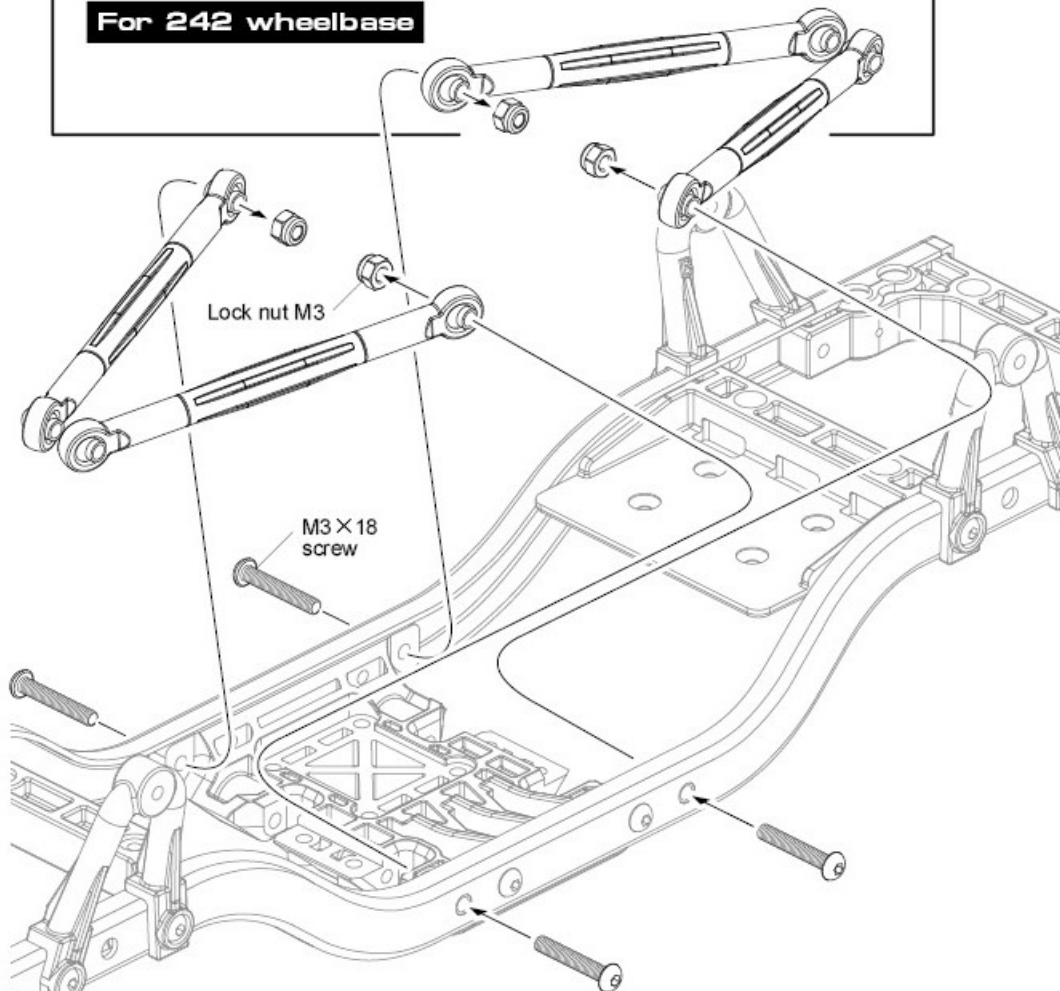
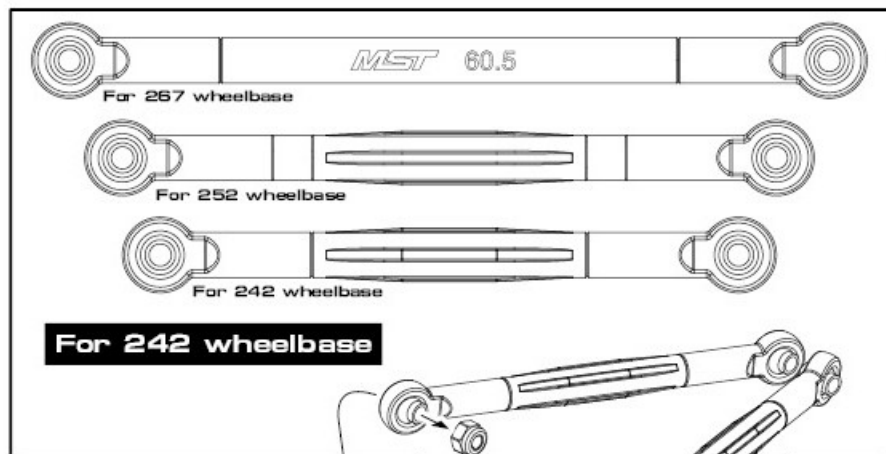


Chassis rail ×2
大樑

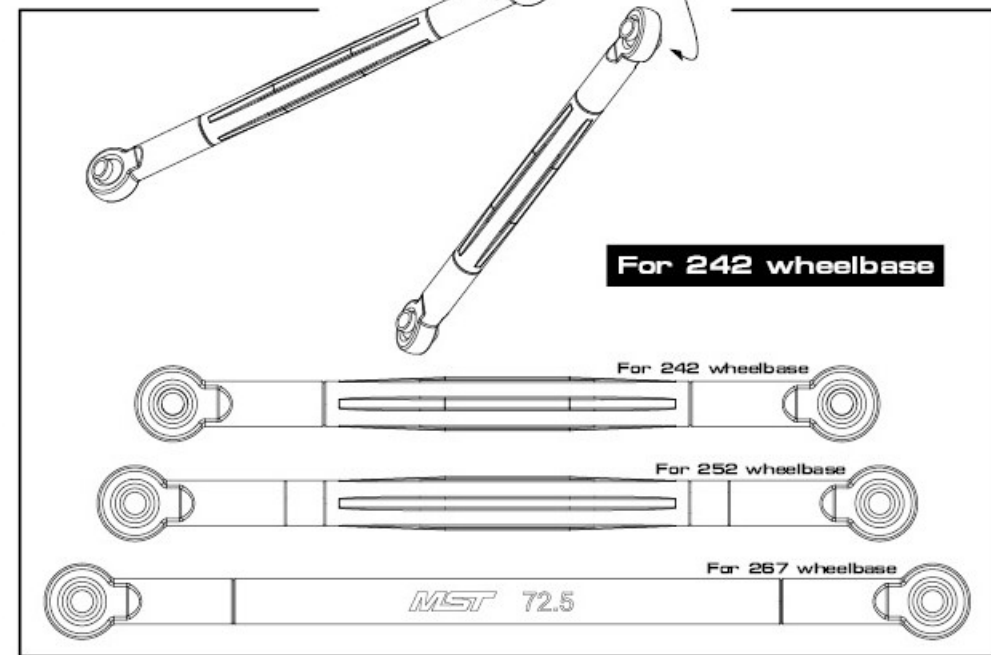
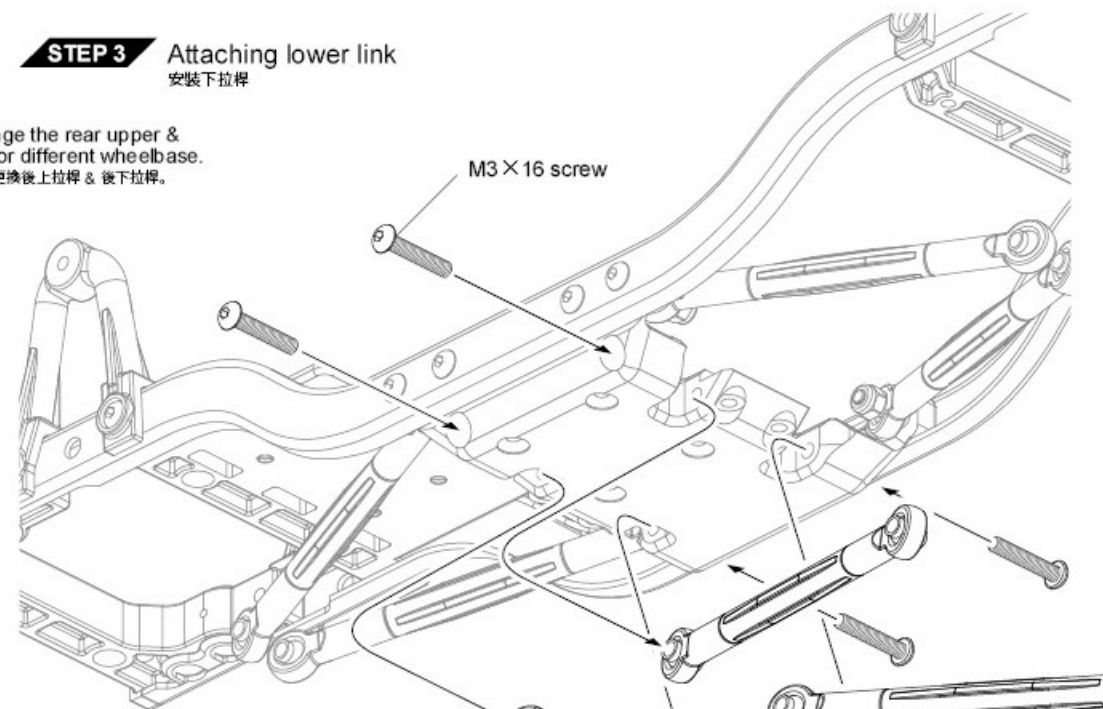


STEP 1 Frame rail assembly
車架組裝



STEP 2 Attaching upper link
 安裝上拉桿

STEP 3 Attaching lower link
 安裝下拉桿

※ Please change the rear upper & lower links for different wheelbase.
 ※ 變更軸距時，請更換後上拉桿 & 後下拉桿。



TRANSMISSION

減速箱

M3×3 screw ×1
止付螺絲

M2×5 screw ×3
圓頭螺絲

M3×5 screw ×5
圓頭螺絲

M3×6 screw ×3
圓頭螺絲

M3×5 screw ×4
沉頭螺絲

M3×16 screw ×4
沉頭螺絲

M3×6 Cap screw ×2
有頭螺絲

M3×40 Cap screw ×4
有頭螺絲

3×6×0.5 Spacer ×4
墊片

E-clip 4.0 ×2
E扣

5×10×4 Bearing ×6
軸承

2×9.8 Shaft ×3
插軸

5×26.8 Shaft ×1
複式齒軸

Gear shaft ×1
輸出軸

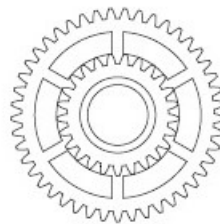
Main shaft ×1
主齒軸



Gear 21T ×1
齒輪 21T



Gear 40T ×1
齒輪 40T



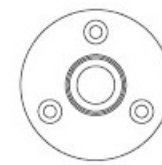
Gear 45T-25T ×1
齒輪 45T-25T

Gear shaft ×1
輸出軸

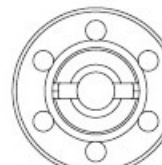


MST 48P Pinion Gear 19T
MST 48P 馬達齒 19T

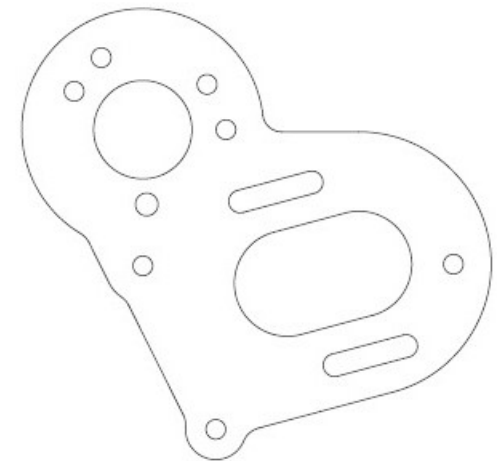
Main shaft ×1
主齒軸



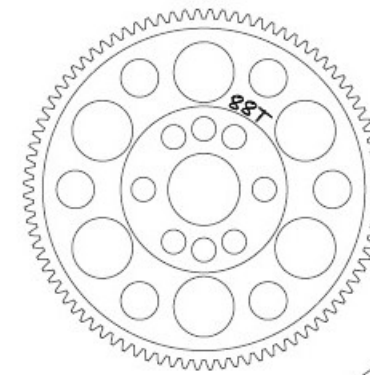
Gear holder ×1
輸出齒座



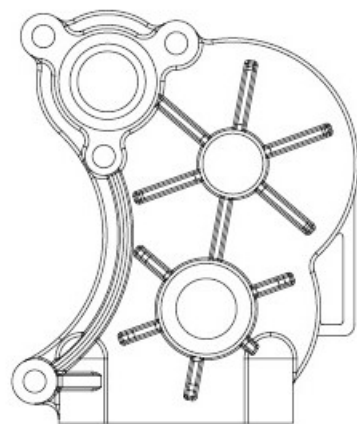
Spur gear holder ×1
齒座



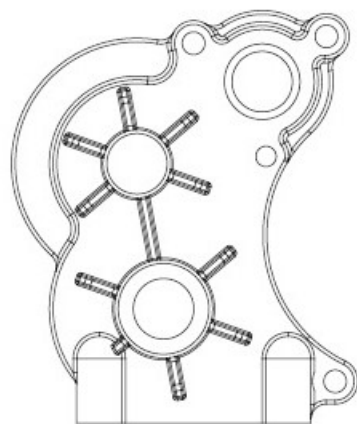
Motor mount ×1
馬達座



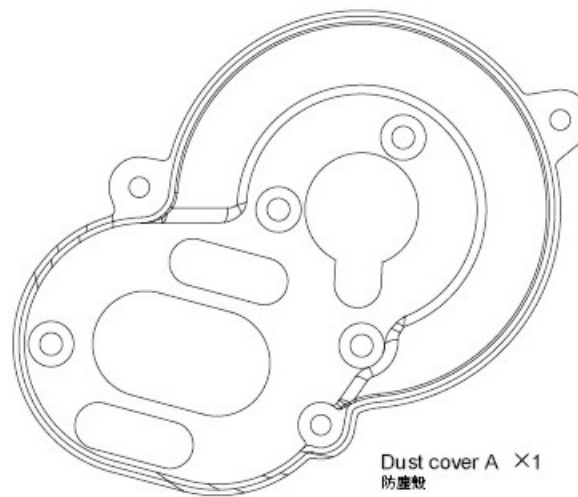
Spur gear 48P-88T ×1
大直齒 48P-88T



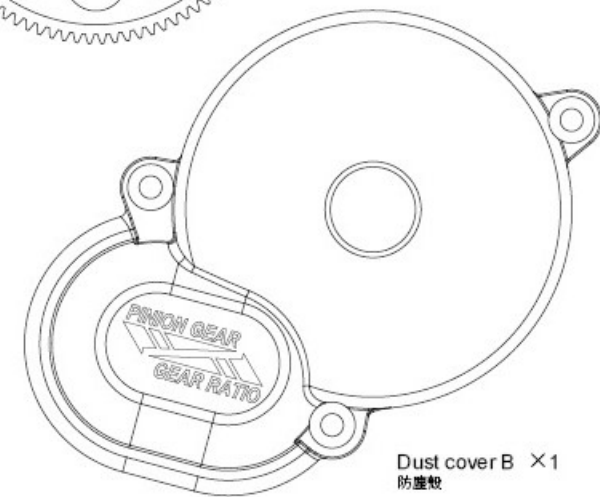
Gear box A ×1
減速齒箱 A



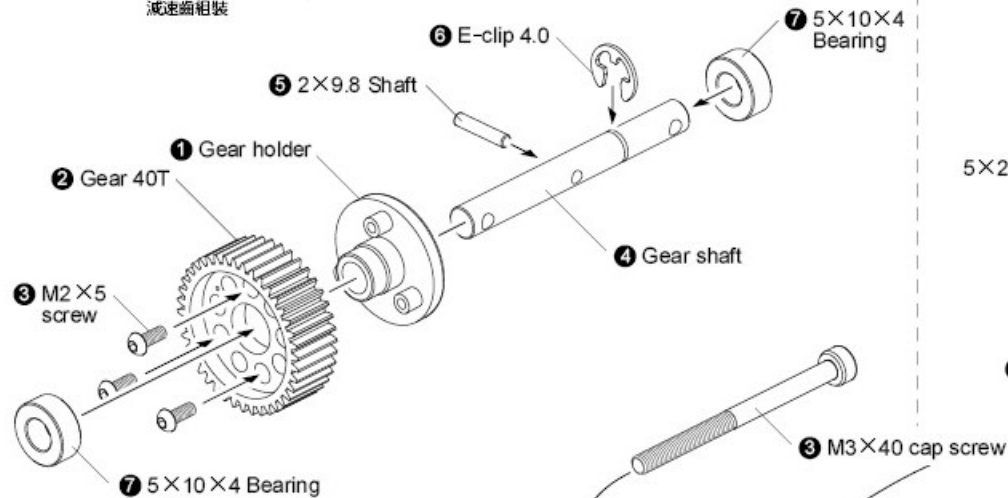
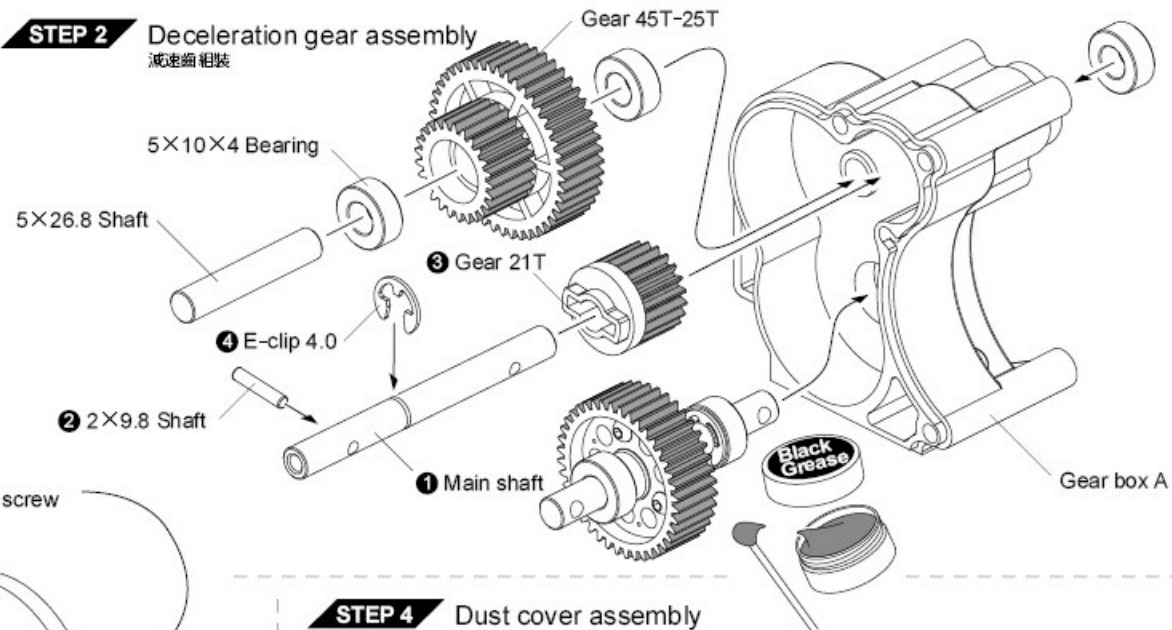
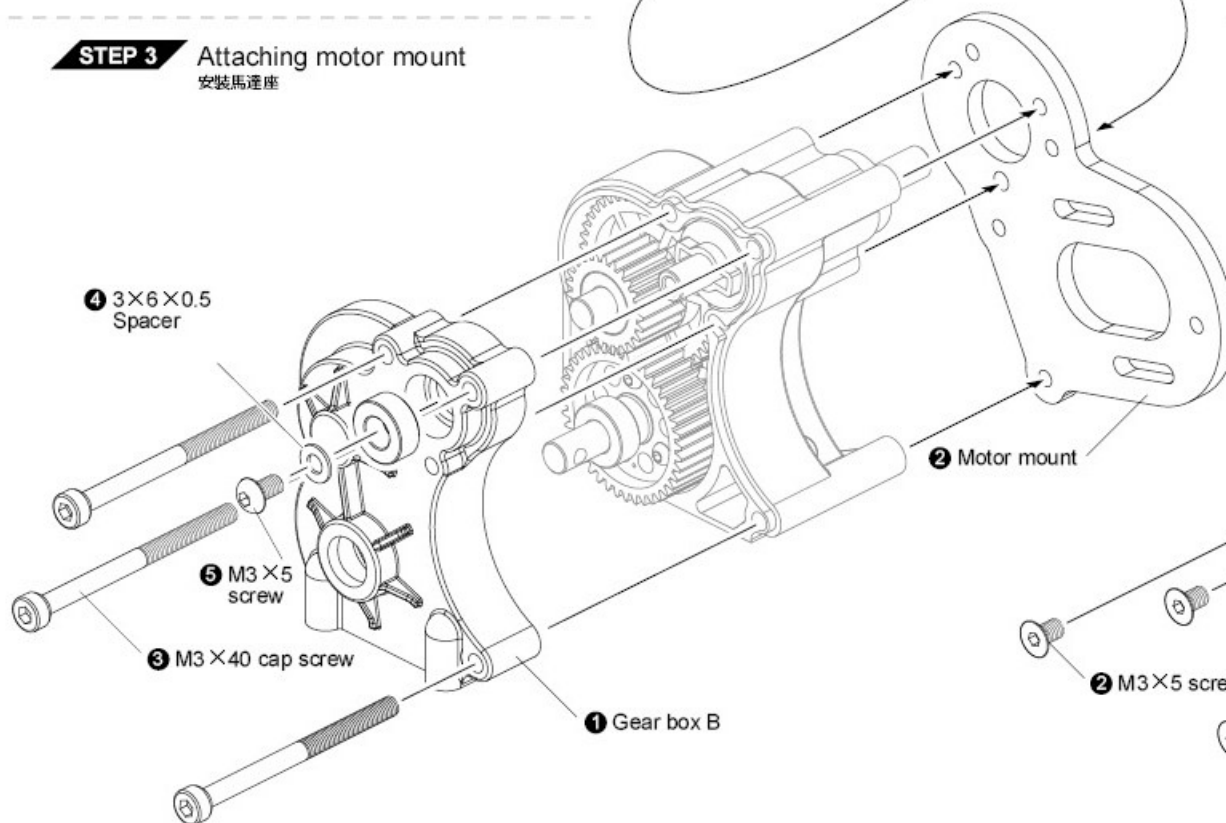
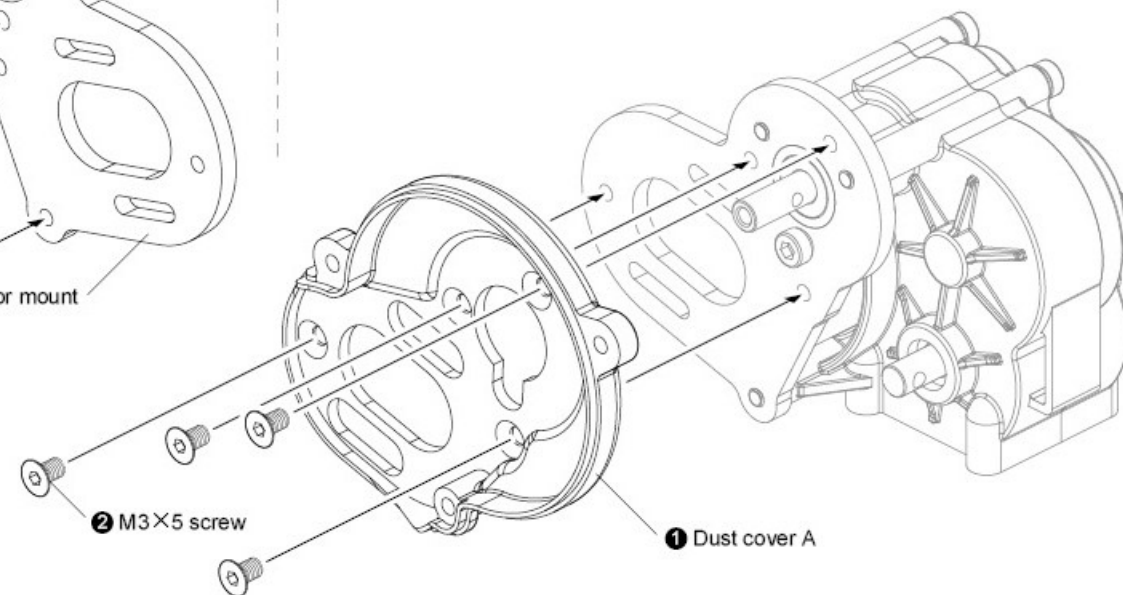
Gear box B ×1
減速齒箱 B



Dust cover A ×1
防塵殼

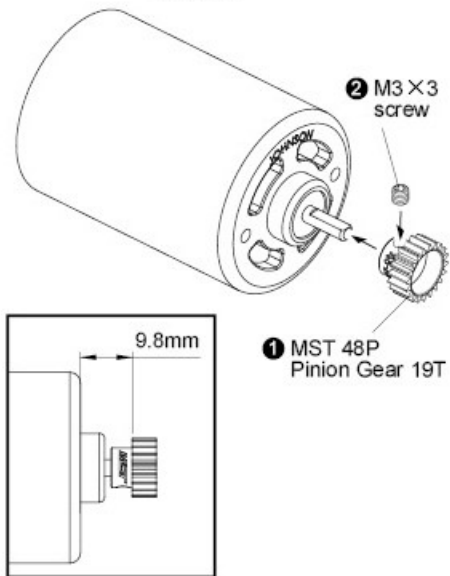
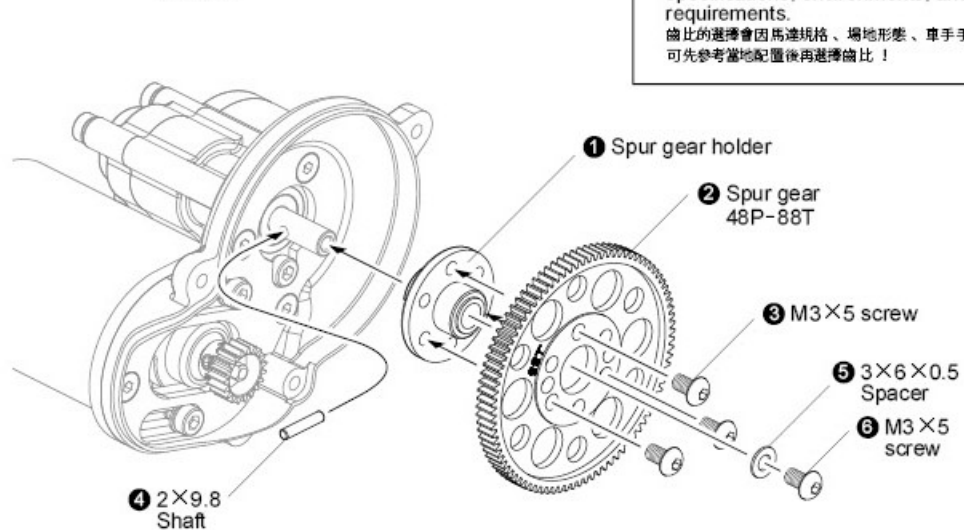


Dust cover B ×1
防塵殼

STEP 1 Deceleration gear assembly
減速齒組裝**STEP 2** Deceleration gear assembly
減速齒組裝**STEP 3** Attaching motor mount
安裝馬達座**STEP 4** Dust cover assembly
防塵殼組裝

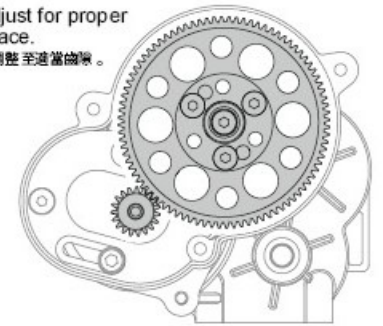
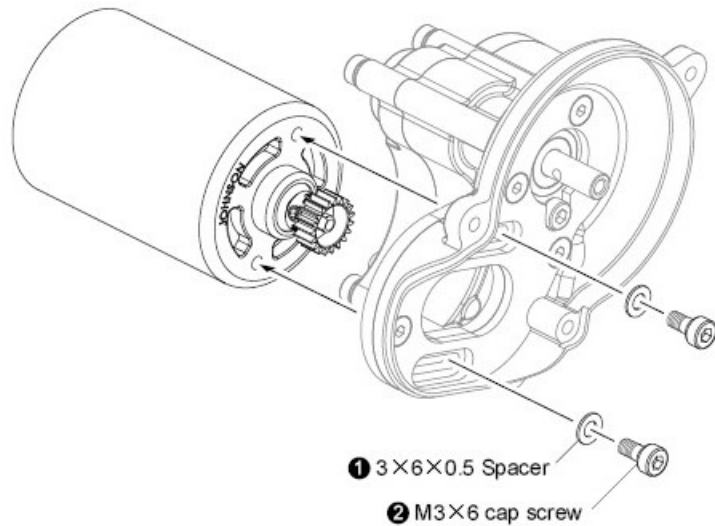
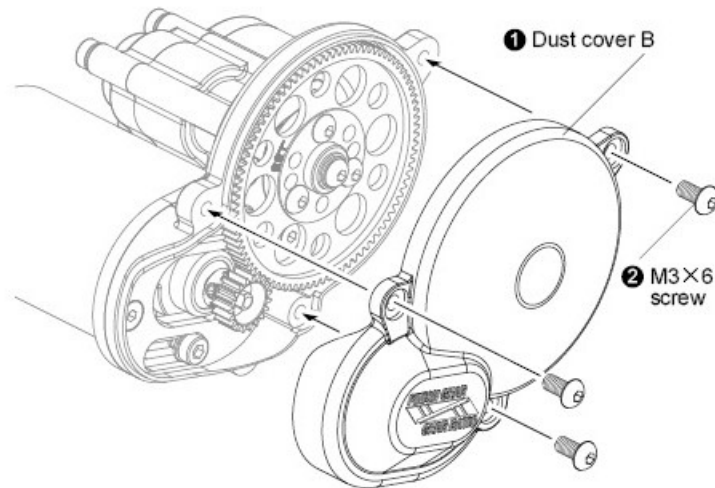
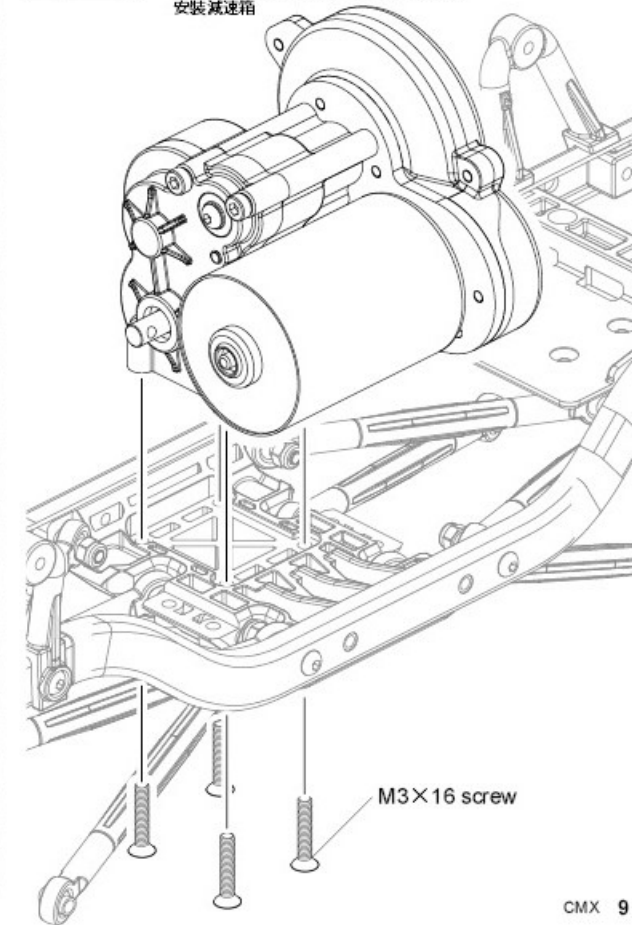
TRANSMISSION

減速箱

STEP 5 Attaching pinion gear
安裝馬達齒STEP 7 Attaching spur gear
安裝大齒盤

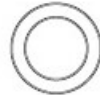
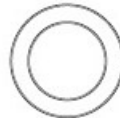
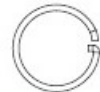
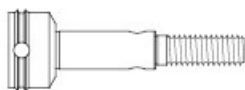
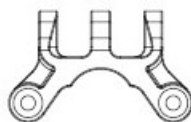
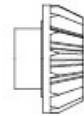
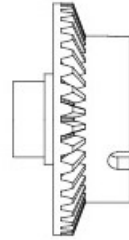
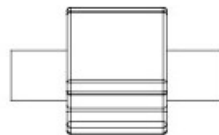
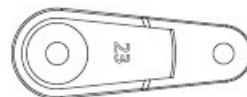
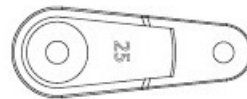
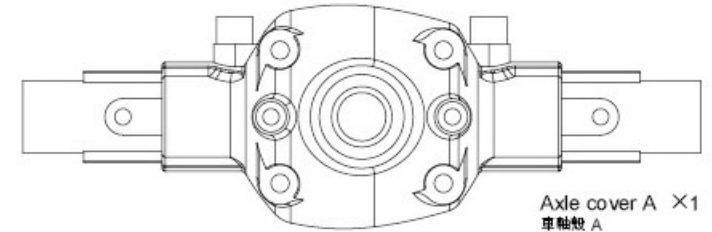
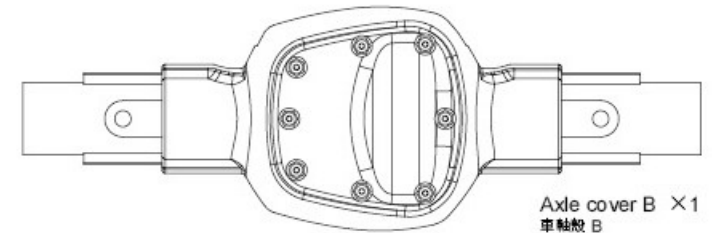
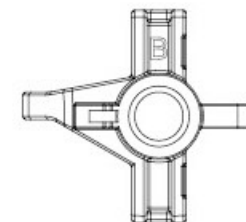
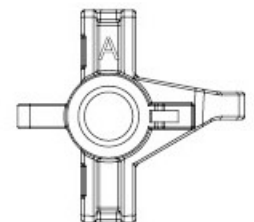
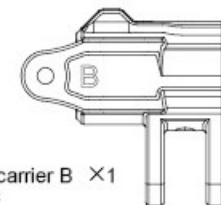
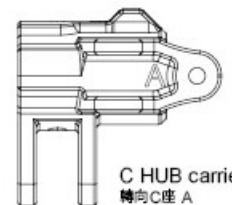
※ Please set the gear ratio according to motor specifications, environments, and personal requirements.
齒比的選擇會因馬達規格、場地形態、車手手感，而有不同選擇。可先參考當地配置後再選擇齒比！

※ Adjust for proper space.
請調整至適當齒隙。

STEP 6 Attaching motor
安裝馬達STEP 8 Attaching dust cover
安裝防塵蓋STEP 9 Transmission installation
安裝減速箱

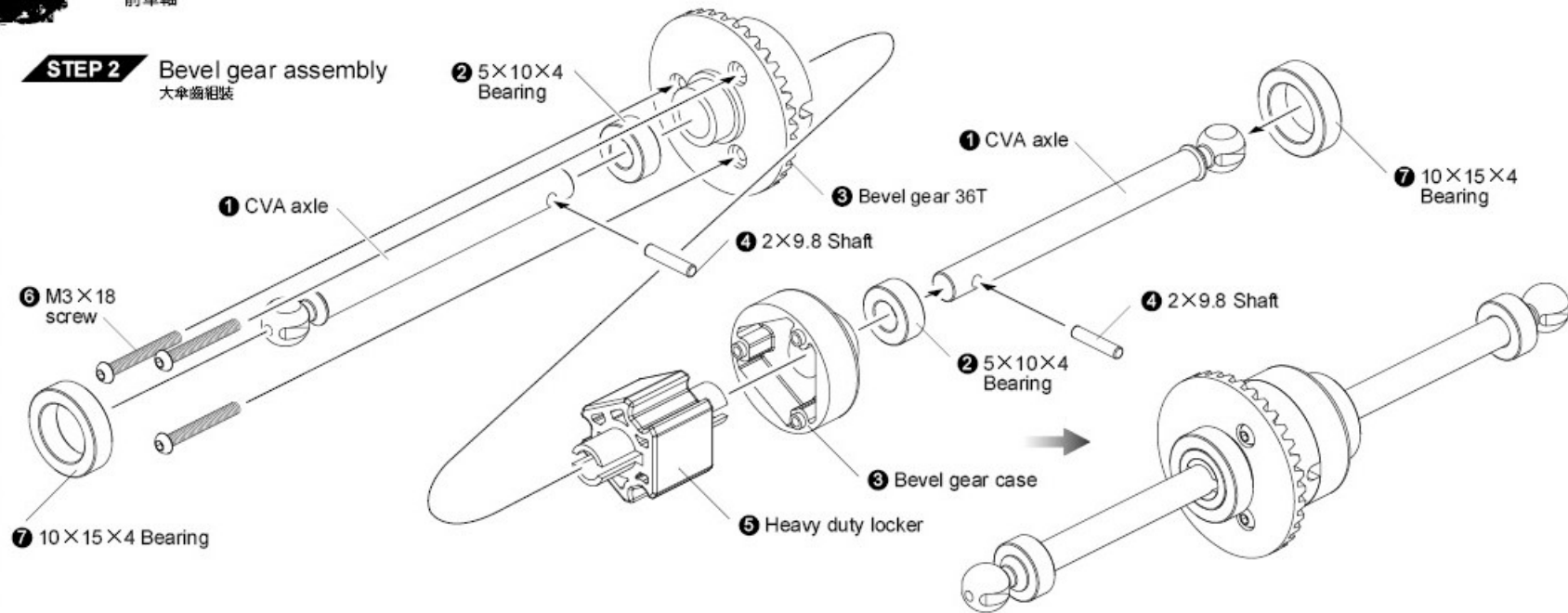
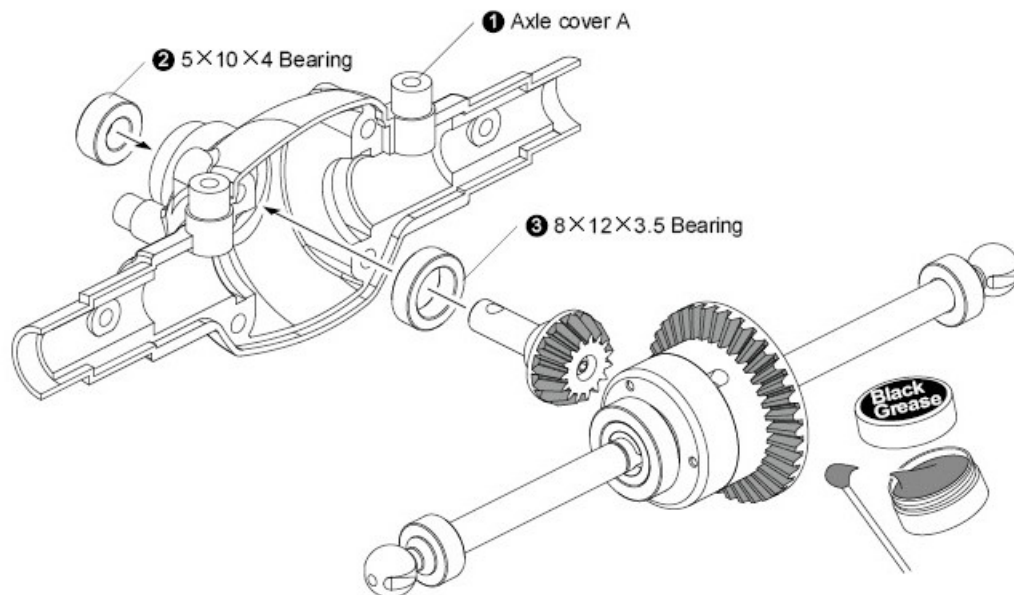
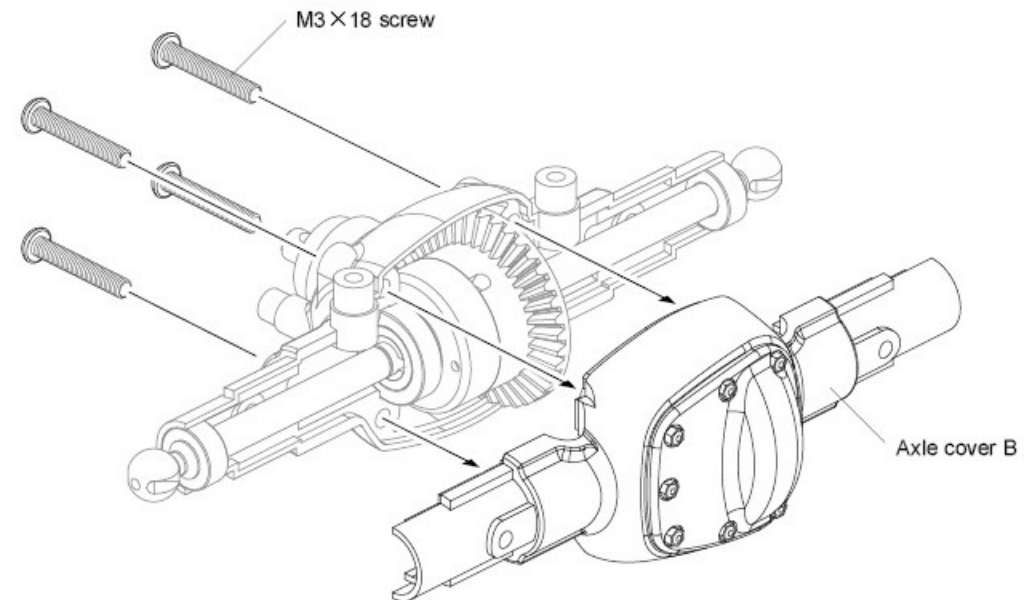
FRONT AXLE

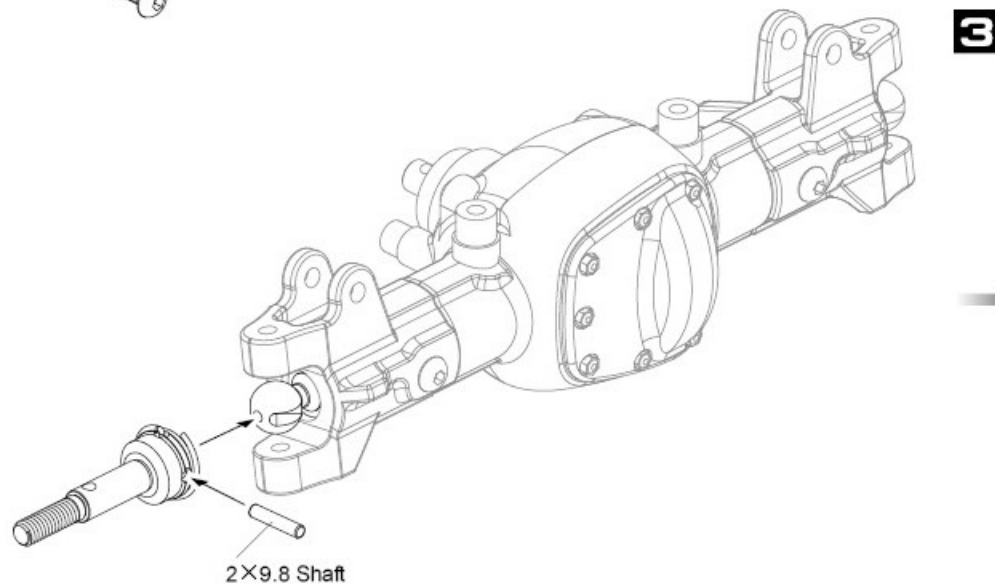
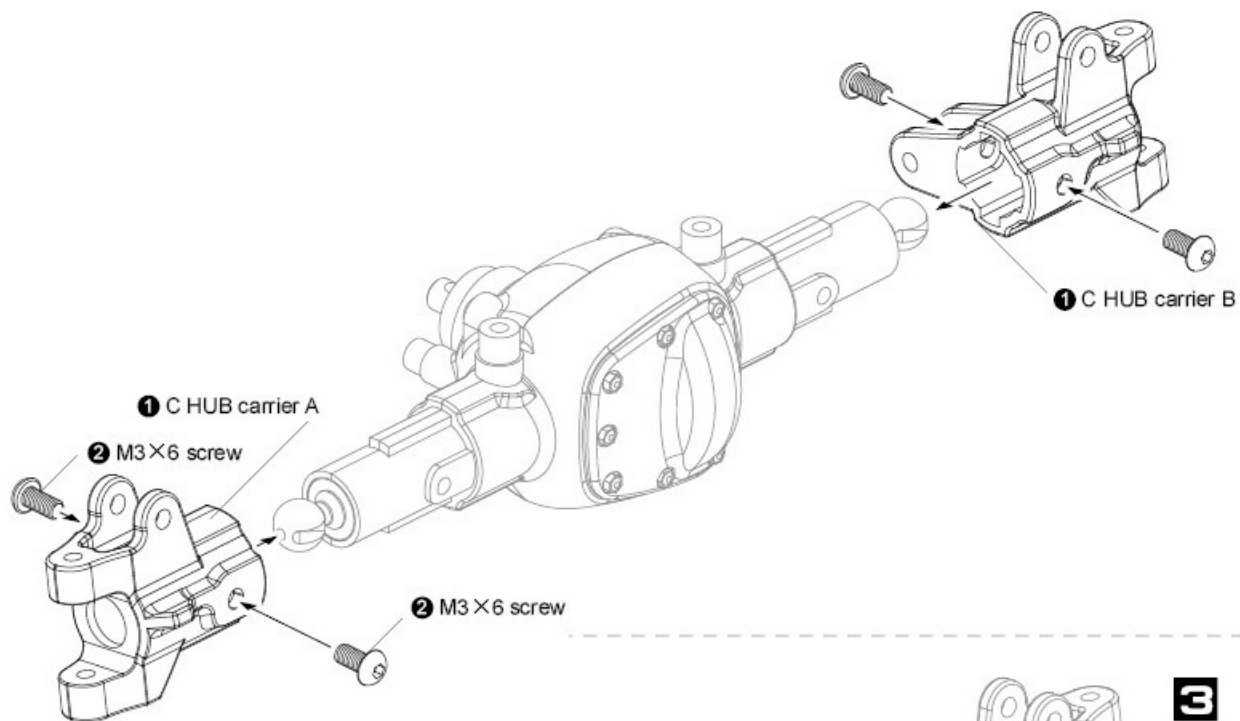
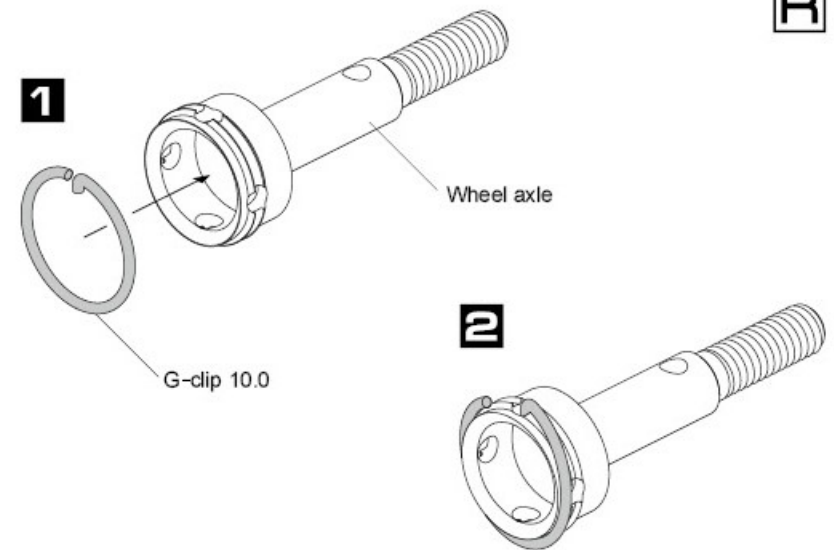
前車軸

M2×6 screw ×1
圓頭螺絲M2×16 screw ×3
圓頭螺絲M3×8 screw ×4
沉頭螺絲M3×6 screw ×4
圓頭螺絲M3×8 screw ×6
圓頭螺絲M3×10 screw ×5
圓頭螺絲M3×14 screw ×1
圓頭螺絲M3×16 screw ×1
圓頭螺絲M3×18 screw ×4
圓頭螺絲M3×20 screw ×1
圓頭螺絲King pin screw ×4
大王螺絲2×9.8 Shaft ×4
插銷Lock nut M3 ×3
防鬆螺帽3×6×0.5 spacer ×4
墊片3×8×0.5 spacer ×1
墊片5×10×4 Bearing ×7
軸承8×12×3.5 Bearing ×1
軸承10×15×4 Bearing ×2
軸承G-clip 10.0 ×1
G扣Bevel gear shaft ×1
傘齒軸Wheel axle ×2
萬向接杆Link mount ×1
上拉桿座CVA axle ×2
輪軸Bevel gear 15T ×1
小傘齒Bevel gear 36T ×1
大傘齒Bevel gear case ×1
大傘齒殼Heavy Duty Locker ×1
直軸連接座23T Servo horn ×1
伺服機片25T Servo horn ×1
伺服機片Axle cover A ×1
車軸殼 AAxle cover B ×1
車軸殼 BServo holder ×1
伺服機底座Knuckle B ×1
轉向座Knuckle A ×1
轉向座C HUB carrier B ×1
轉向C座 BC HUB carrier A ×1
轉向C座 A

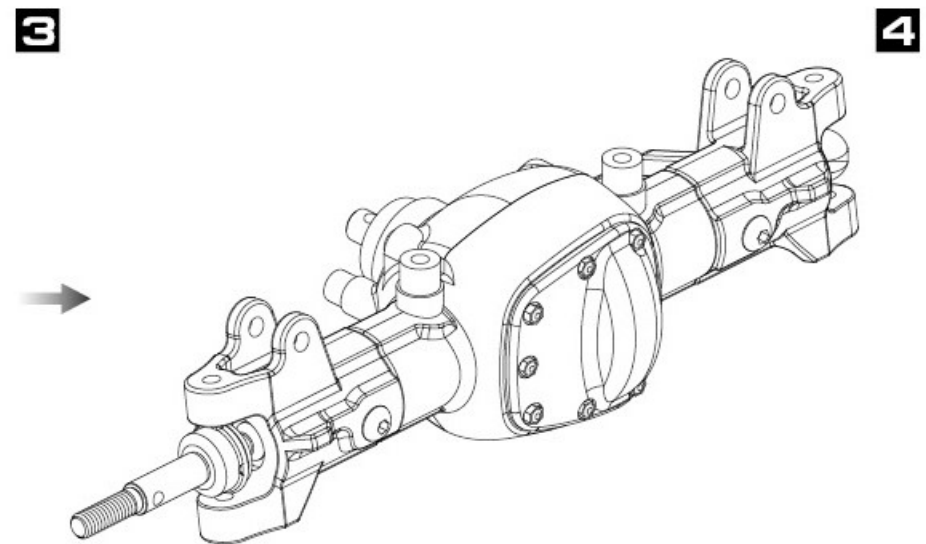
FRONT AXLE

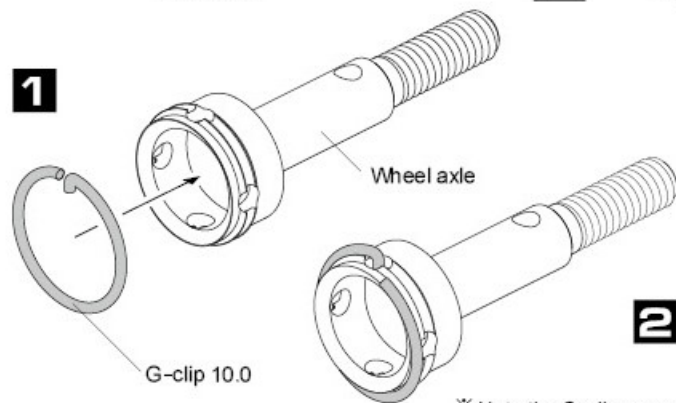
前車軸

STEP 1 Bevel gear assembly
小傘齒組裝STEP 2 Bevel gear assembly
大傘齒組裝STEP 3 Attaching bevel gear
安裝傘齒STEP 4 Axle cover assembly
車輪殼組裝

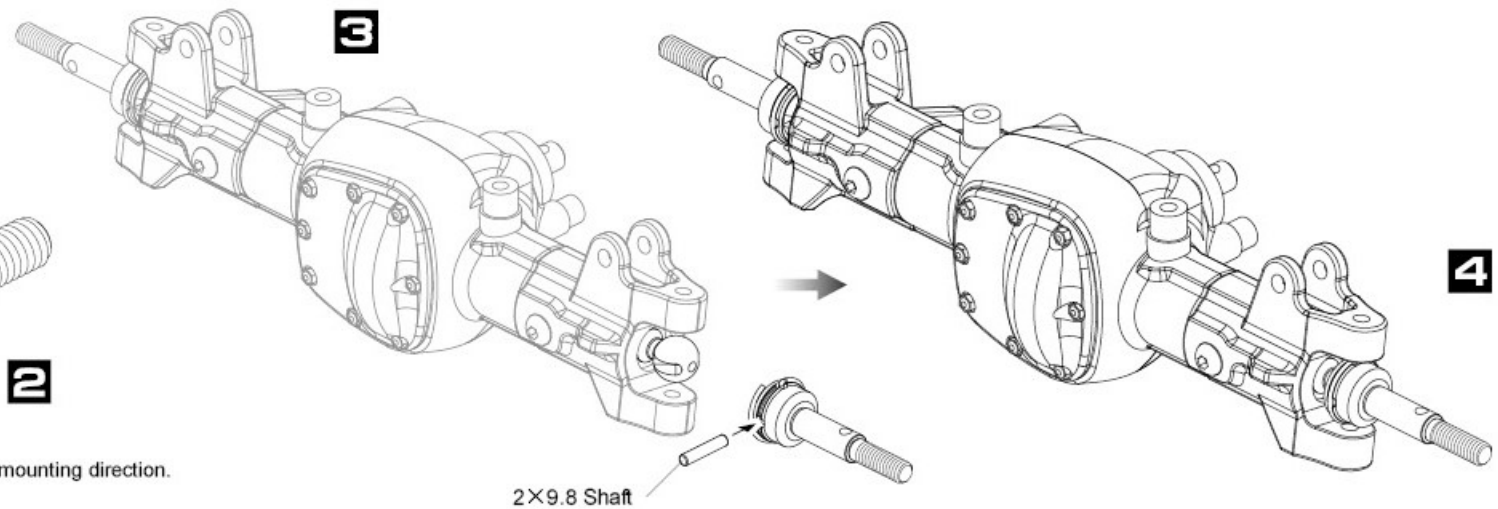
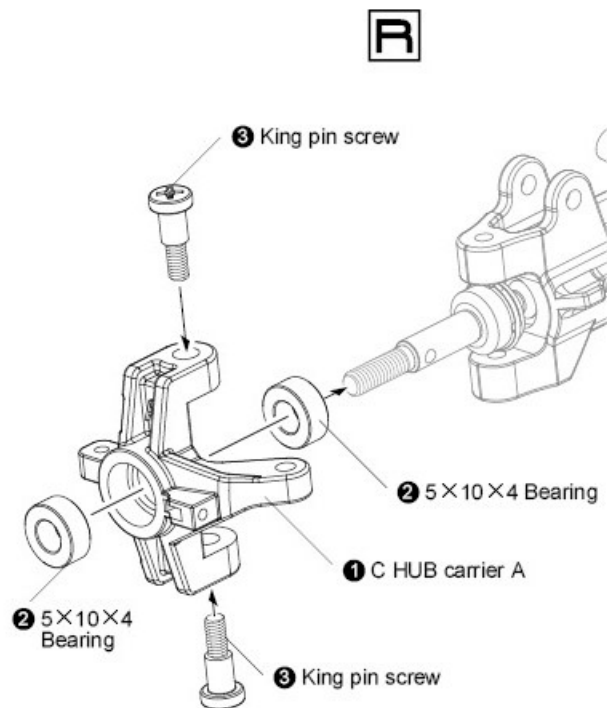
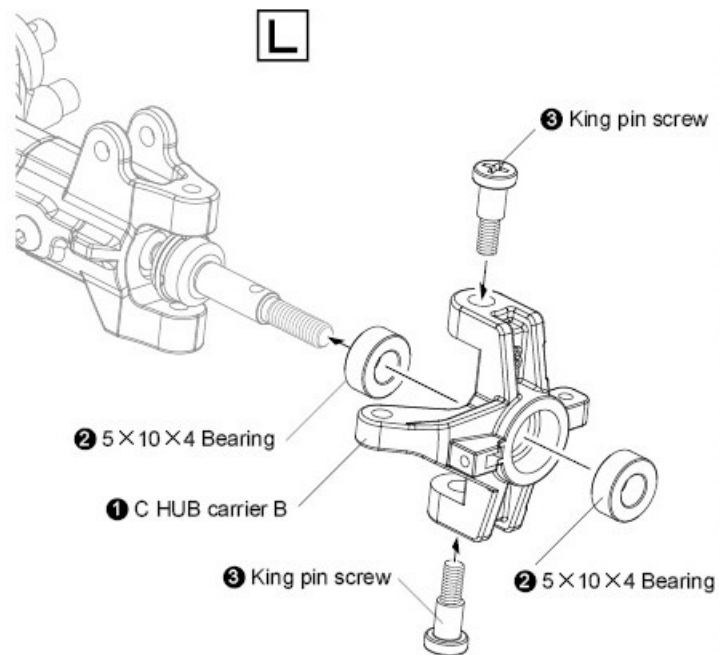
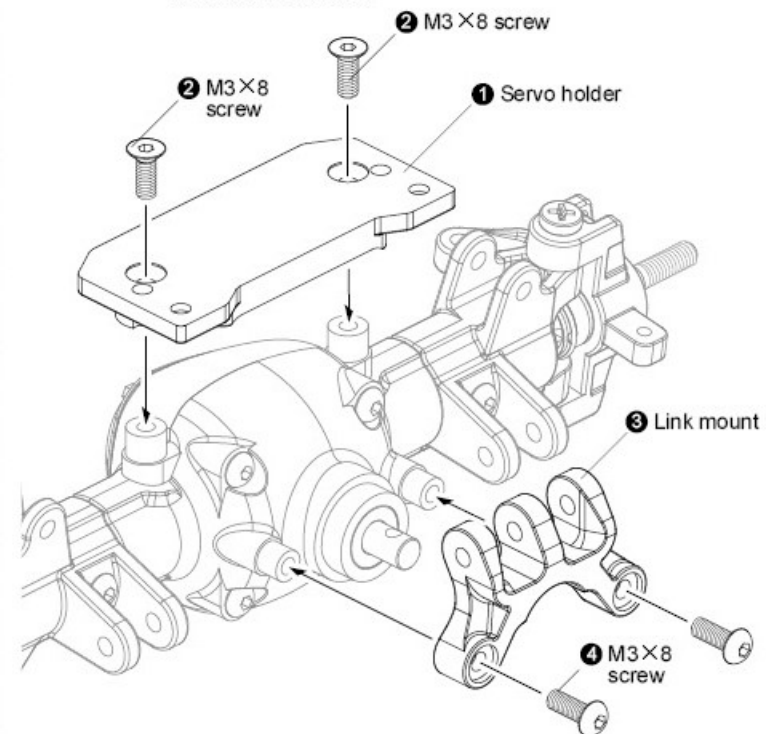
STEP 5 C HUB carrier assembly
C座組裝

STEP 6 Wheel axle assembly
萬向接杯組裝


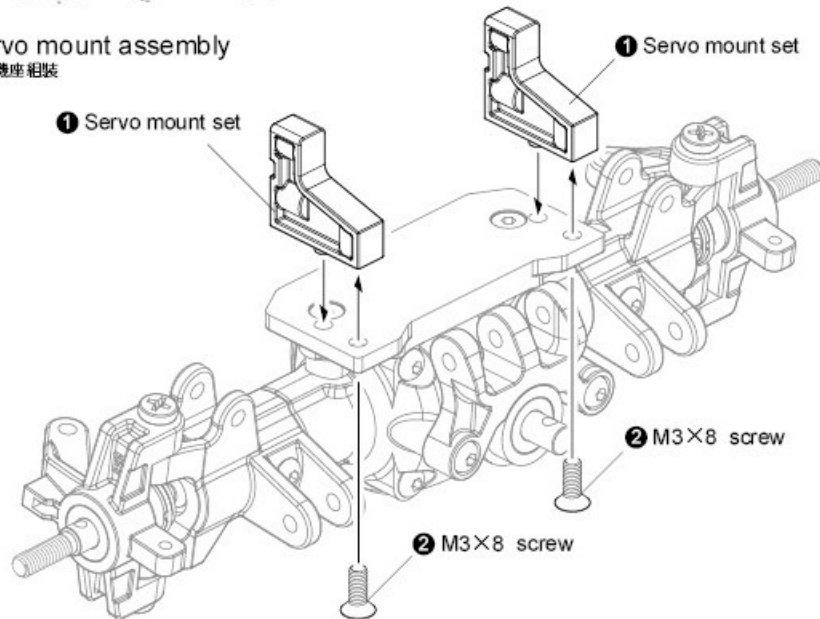
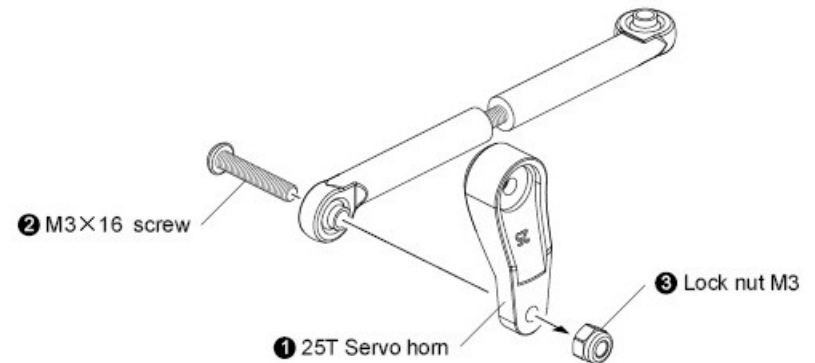
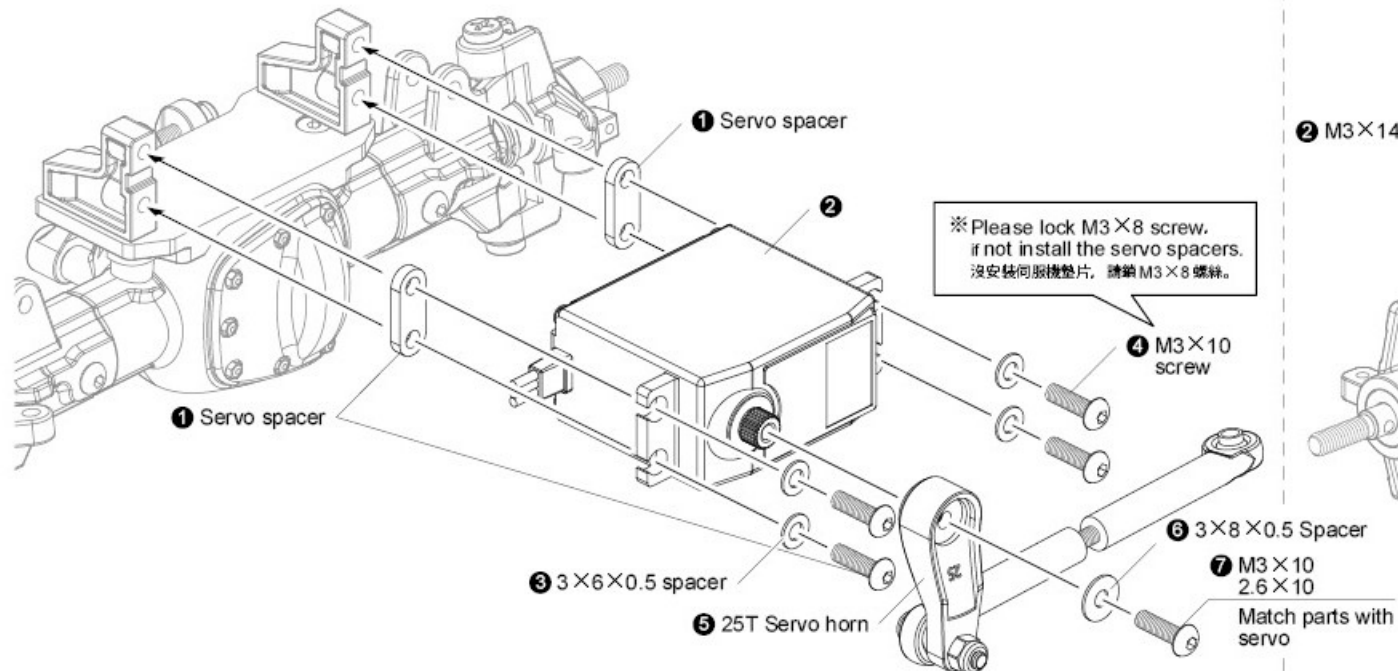
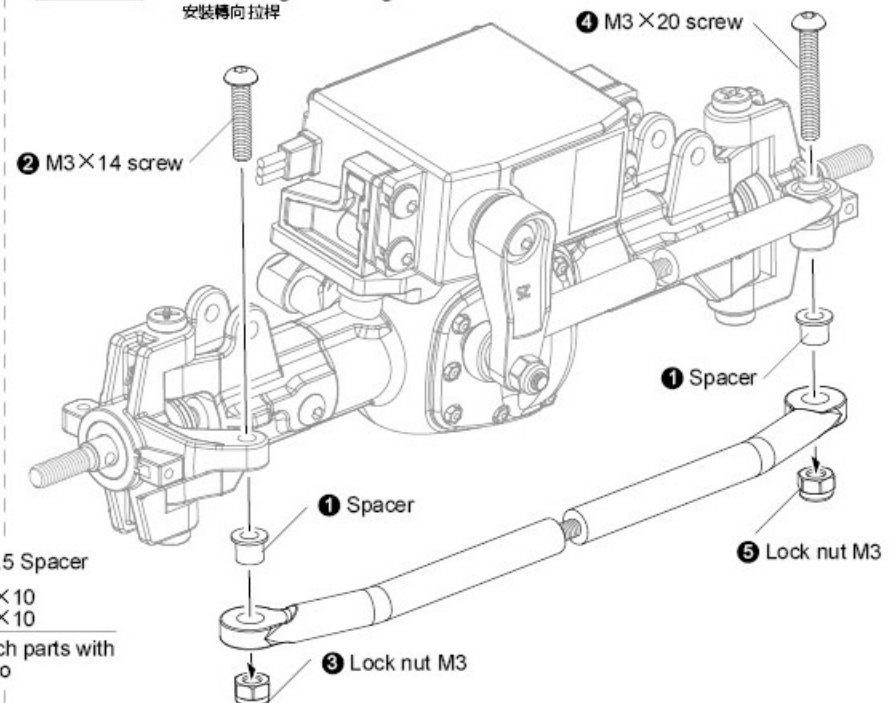
※ Note the G-clip mounting direction.
注意G扣安裝方向















STEP 7 Wheel axle assembly
萬向接杆組裝

※ Note the G-clip mounting direction.
注意G扣安裝方向

STEP 8 Knuckle assembly
轉向座組裝STEP 9 Knuckle assembly
轉向座組裝STEP 10 Servo plate & Link mount assembly
伺服機底板 & 上拉桿座組裝

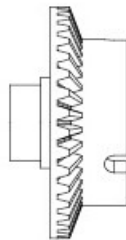
STEP 11 Servo mount assembly
 伺服機座組裝

STEP 12 Servo link assembly
 伺服拉桿組裝

STEP 13 Steering servo assembly
 轉向伺服機組裝

STEP 14 Attaching steering Link
 安裝轉向拉桿


◀ REAR AXLE
後車軸

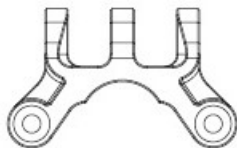
-  M3×3 screw ×2
止付螺絲
-  M2×6 screw ×1
圓頭螺絲
-  M2×16 screw ×3
圓頭螺絲
-  M3×6 screw ×4
圓頭螺絲
-  M3×8 screw ×2
圓頭螺絲
-  M3×18 screw ×4
圓頭螺絲
-  2×9.8 Shaft ×2
插銷
-  Bevel gear shaft ×1
傘齒軸
-  M5×7×0.3 spacer ×2
墊片
-  E-clip 4.0 ×2
E扣
-  5×10×4 Bearing ×3
軸承
-  8×12×3.5 Bearing ×1
軸承
-  10×15×4 Bearing ×2
軸承



Bevel gear 15T ×1
小傘齒



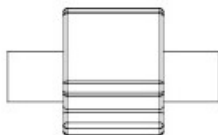
Bevel gear 36T ×1
大傘齒



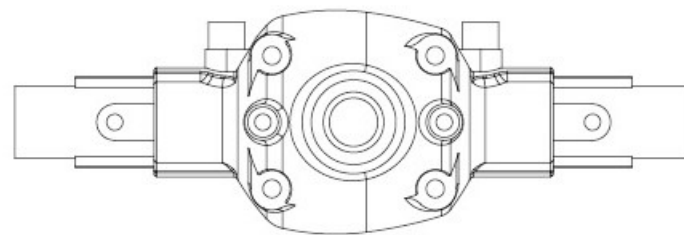
Link mount ×1
上拉桿座



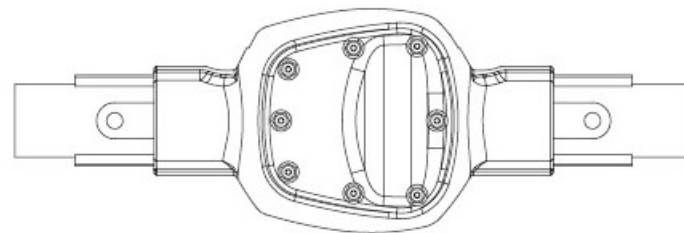
Bevel gear case ×1
大傘齒殼



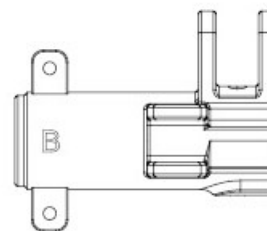
Heavy Duty Locker ×1
直軸連接座



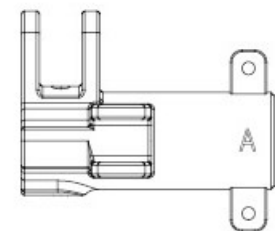
Axle cover A ×1
車軸殼 A



Axle cover B ×1
車軸殼 B



Axle lockout B ×1
車軸固定套 B



Axle lockout A ×1
車軸固定套 A

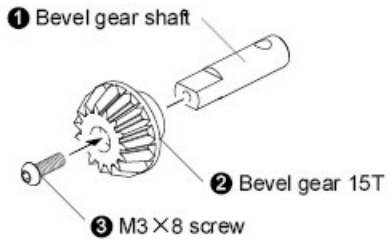


Solid axle ×1
輪軸

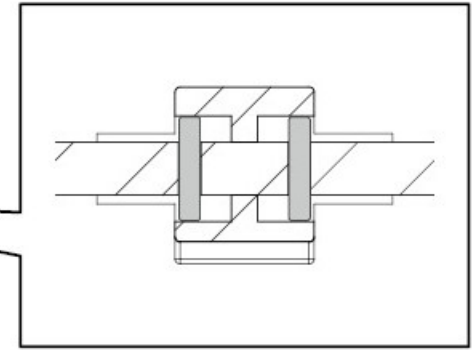
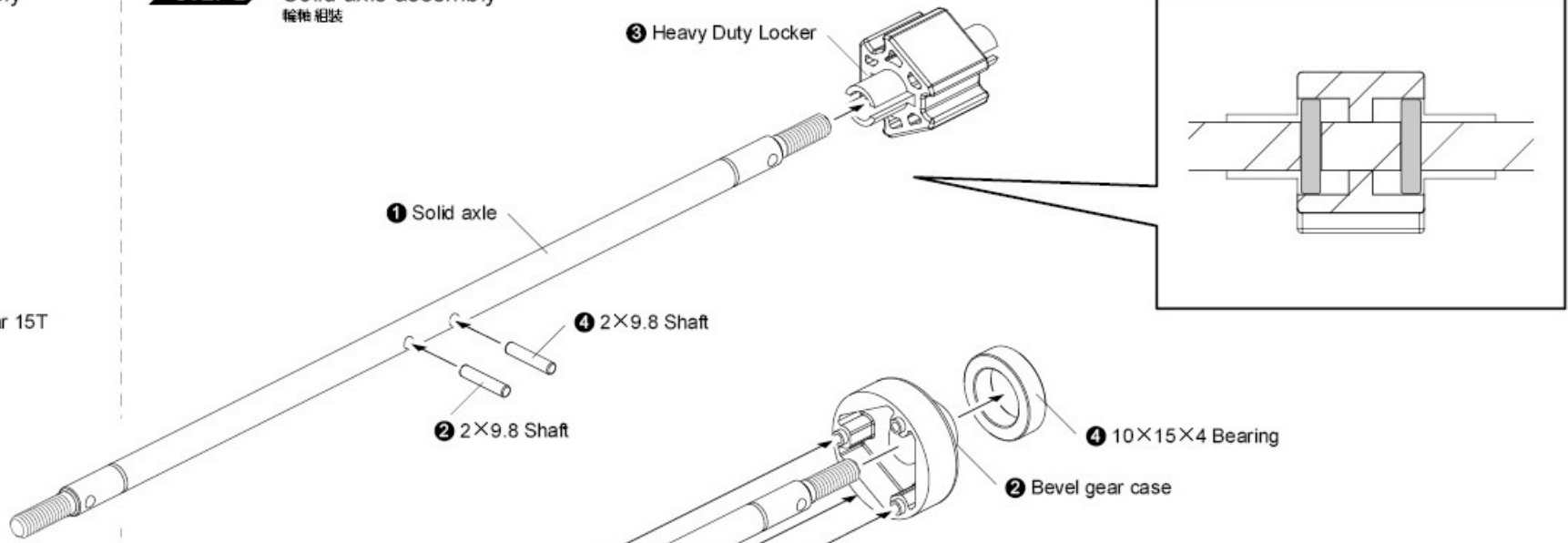
REAR AXLE

後車軸

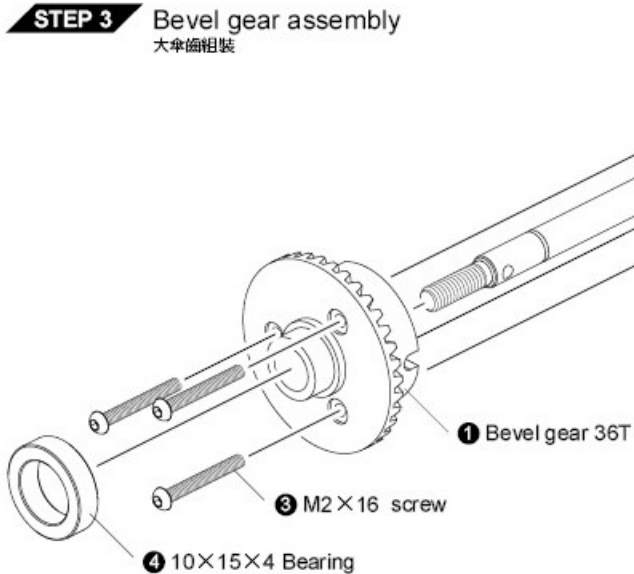
STEP 1 Bevel gear assembly
小傘齒組裝



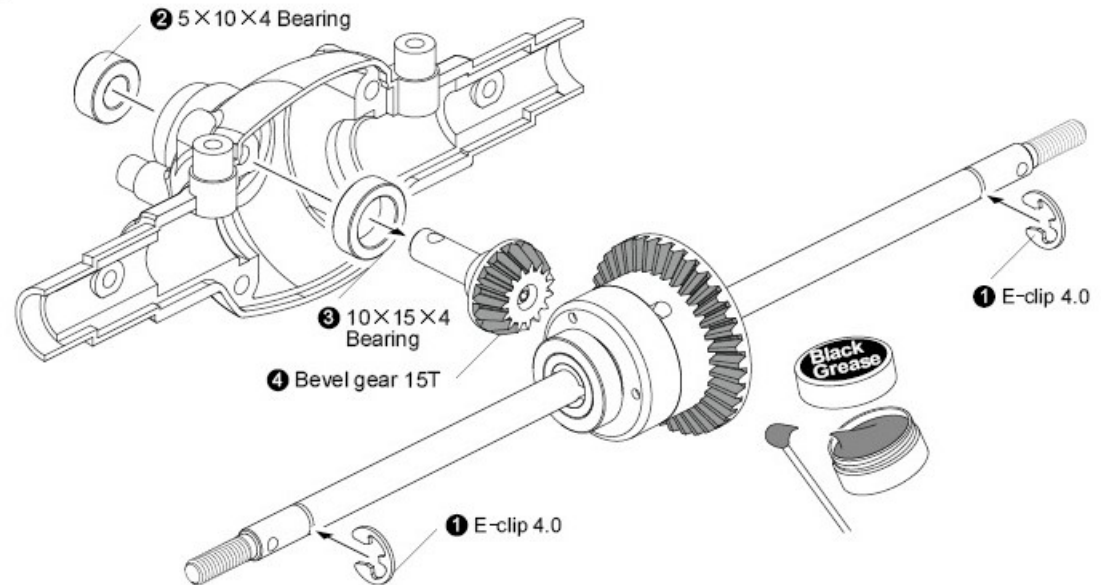
STEP 2 Solid axle assembly
輪軸組裝

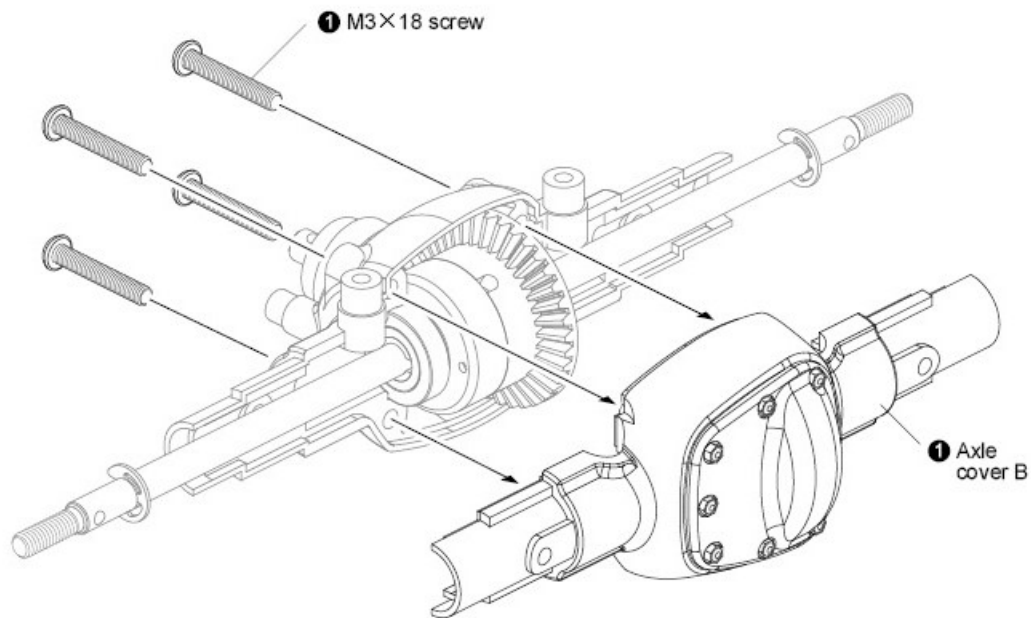
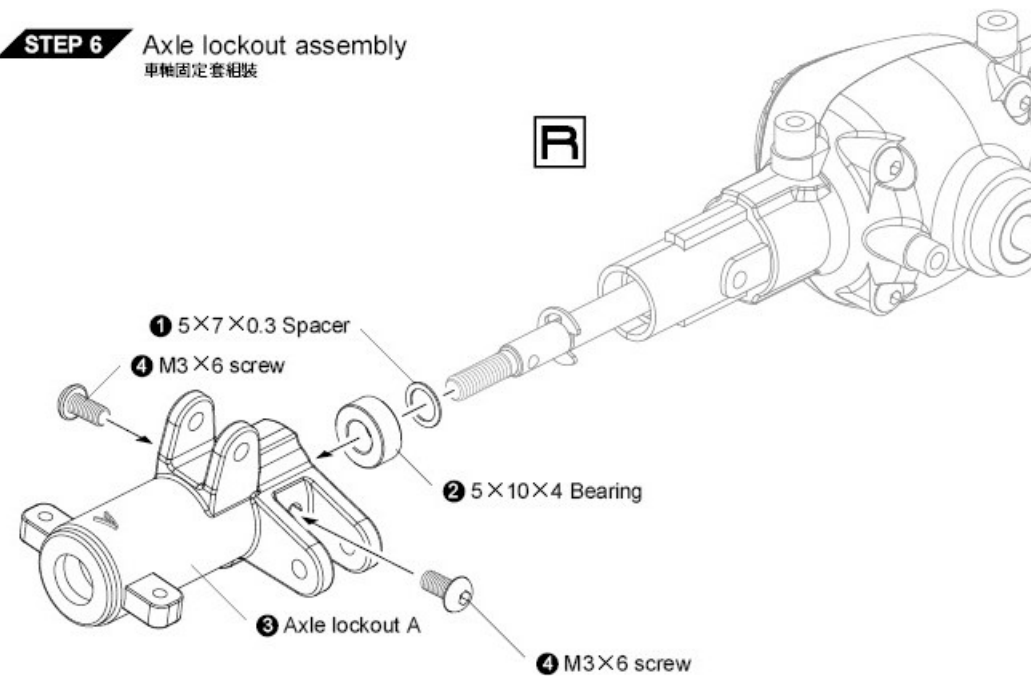
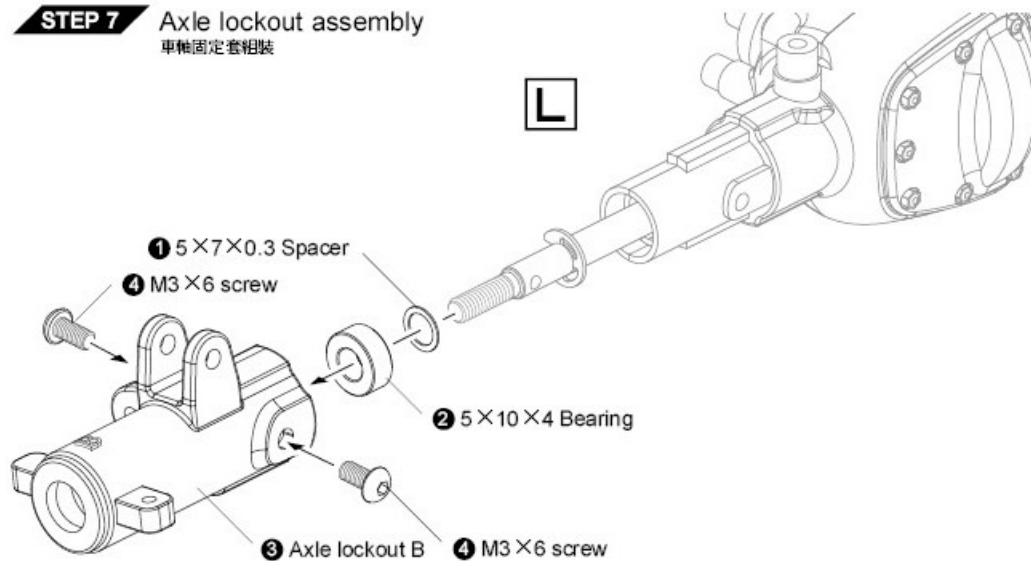
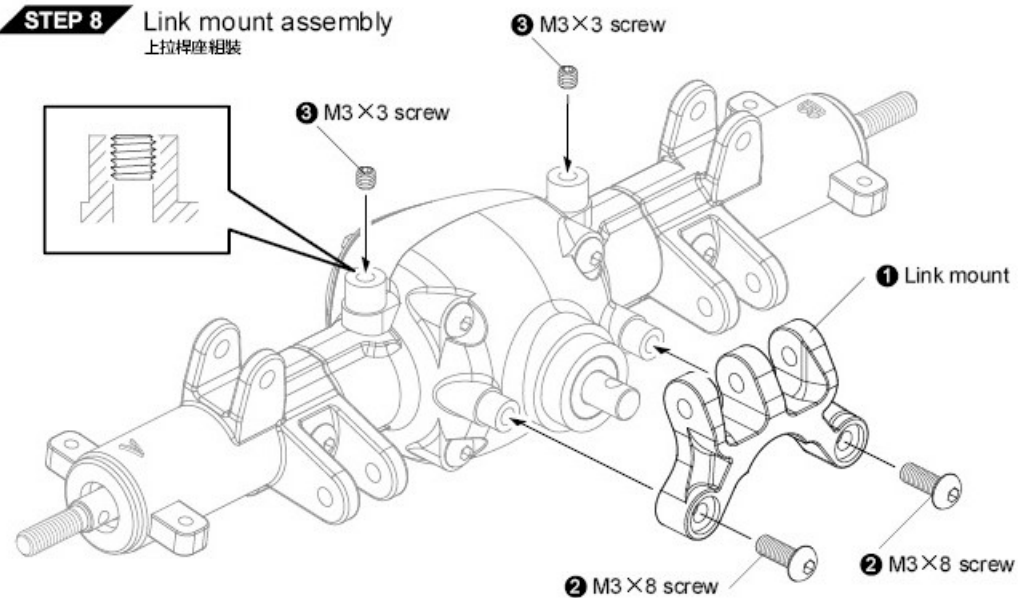


STEP 3 Bevel gear assembly
大傘齒組裝



STEP 4 Attaching bevel gear
安裝傘齒



STEP 5 Axle cover assembly
車軸殼組裝**STEP 6** Axle lockout assembly
車軸固定套組裝**STEP 7** Axle lockout assembly
車軸固定套組裝**STEP 8** Link mount assembly
上拉桿座組裝

DRIVESHAFT

傳動軸

Lock nut M3 ×6
防鬆螺帽

M3×18 screw ×4
圓頭螺絲

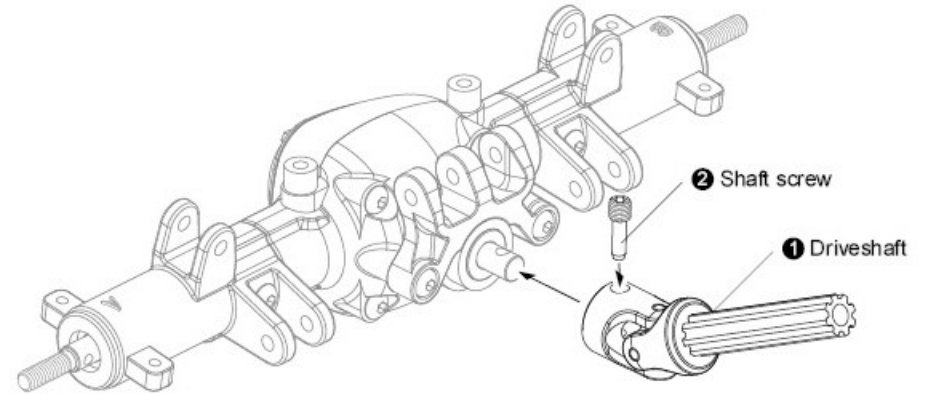
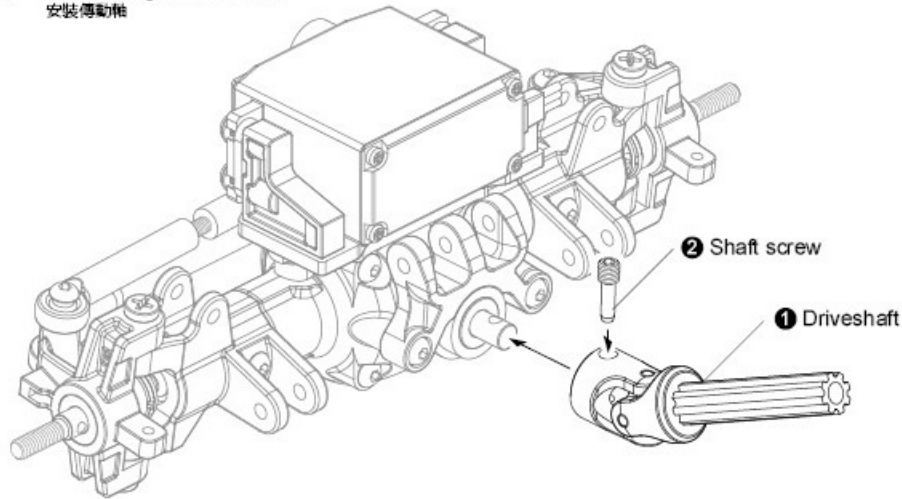
Shaft screw ×4
銷釘螺絲

M3×30 screw ×2
圓頭螺絲

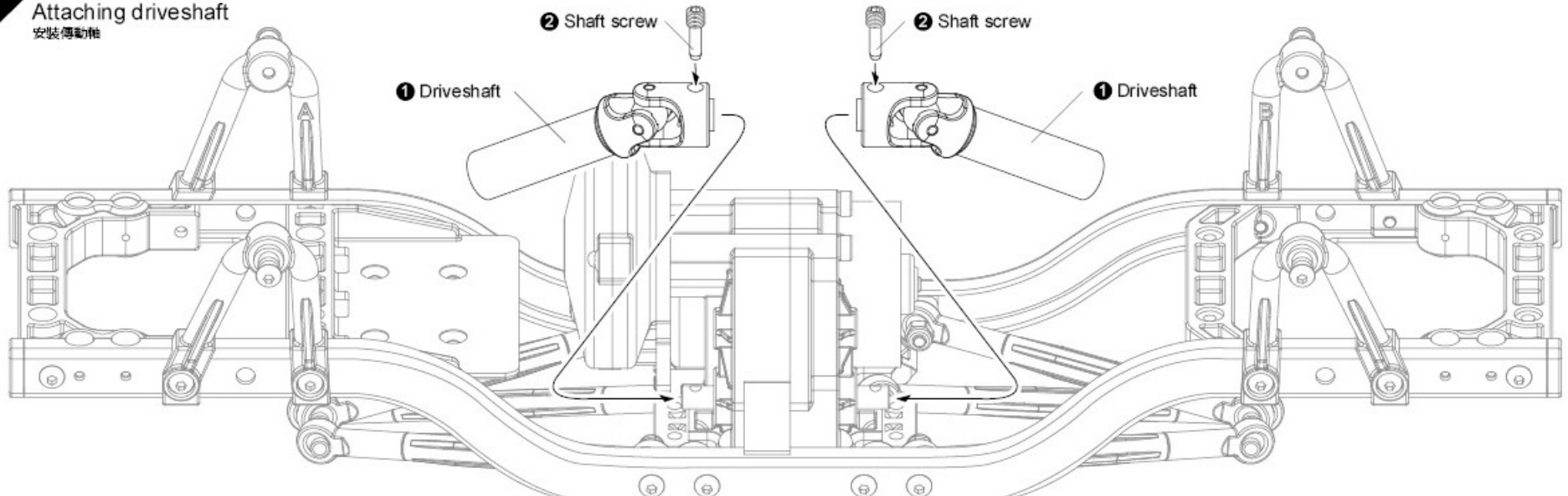


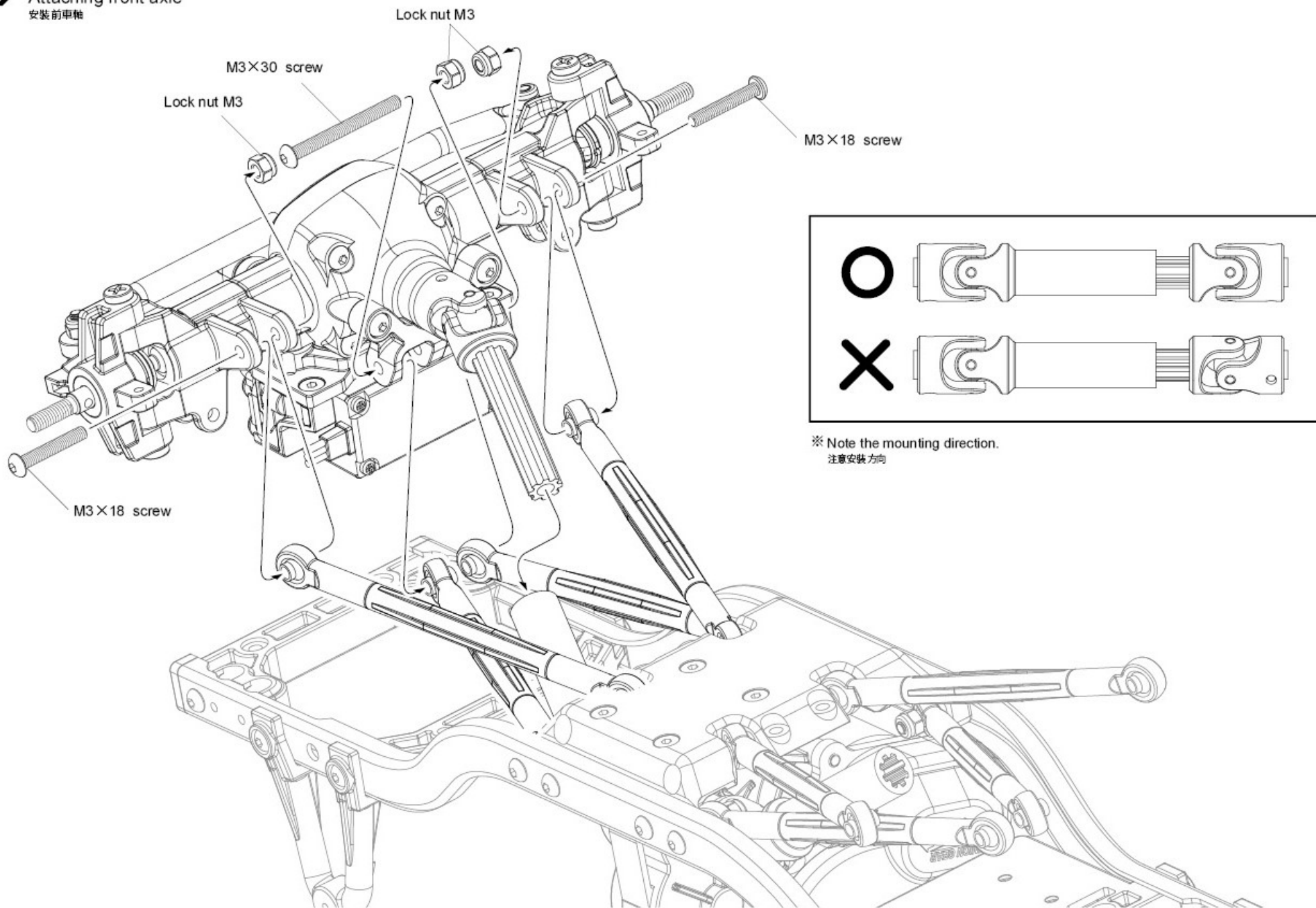
Driveshaft ×2
傳動軸

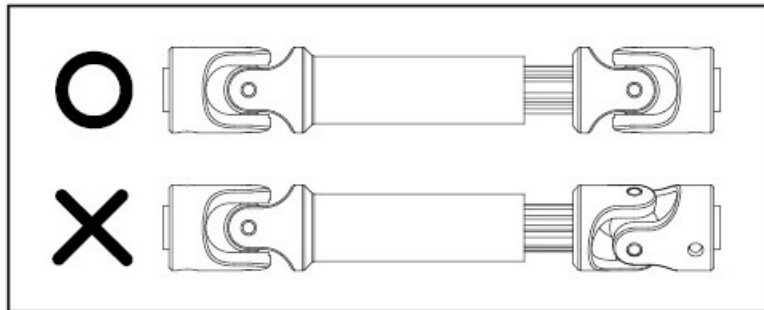
STEP 1 Attaching driveshaft
安裝傳動軸



STEP 2 Attaching driveshaft
安裝傳動軸

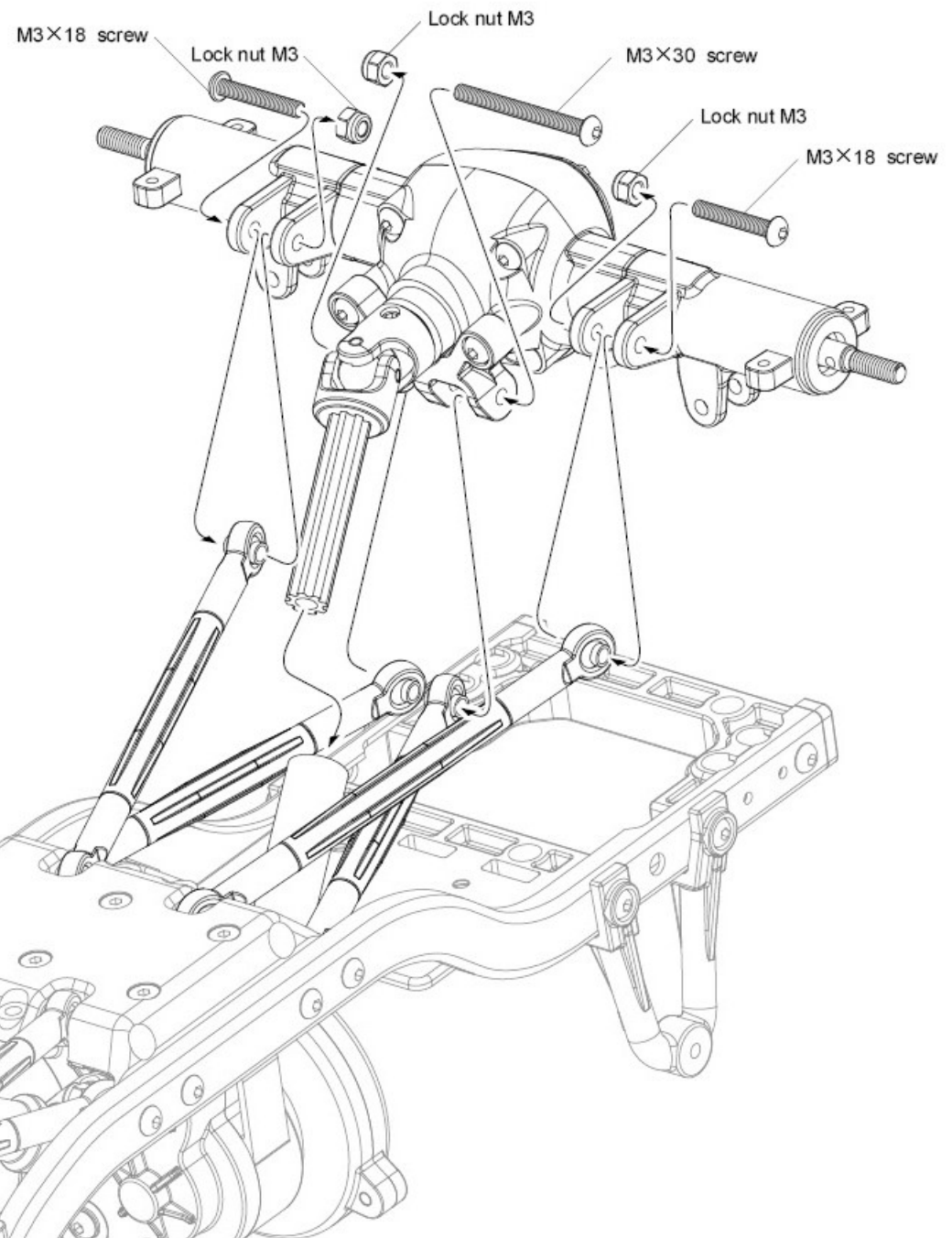


STEP 3 Attaching front axle
安裝前車軸

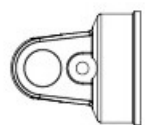
STEP 4 Attaching rear axle
安裝後車軸

※ Note the mounting direction.
注意安裝方向

※ Please change the driveshaft for 267mm wheelbase.
軸距267時，請更換傳動軸。



DAMPER
避震器



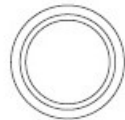
Cylinder cap ×4
避震器上蓋



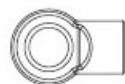
Rod guide cap ×4
避震器下蓋



Damper retainer ×4
避震器彈簧座



Spring holder ×4
彈簧托環



Damper adjuster ×4
避震器拉桿



Spring spacer ×4
彈簧調整扣 1mm



Spring spacer ×4
彈簧調整扣 2mm



Spring spacer ×4
彈簧調整扣 4mm



Lock nut M3 ×4
防鬆螺帽



Damper O-ring P3 ×8
避震器O環



10.8×0.9 O-ring ×4
O環



Piston ×4
活塞



4.8 ball connector ×4
球頭



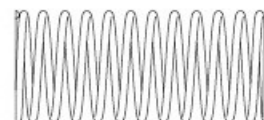
M3×14 screw ×4
圓頭螺絲



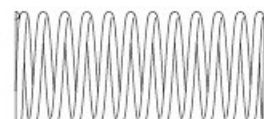
M3×16 screw ×4
圓頭螺絲



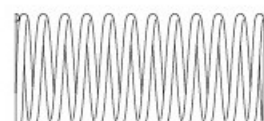
E-clip ×10
E扣



Coil spring 45mm (hard) (silver) ×4
避震彈簧 45mm (硬) (銀)



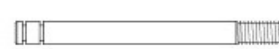
Coil spring 45mm (medium) (gold) ×4
避震彈簧 45mm (中) (金)



Coil spring 45mm (soft) (red) ×4
避震彈簧 45mm (軟) (紅)

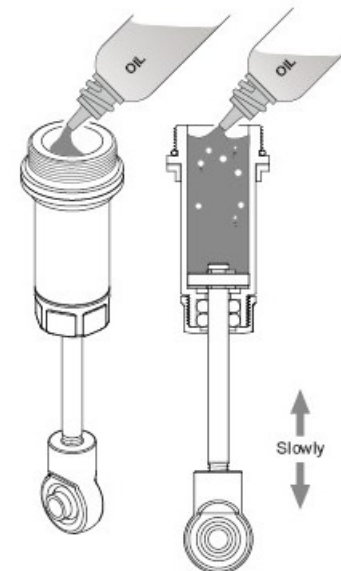
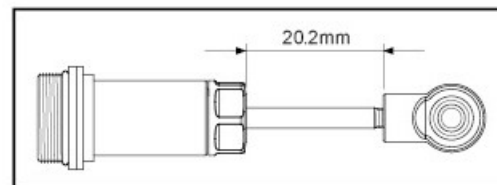
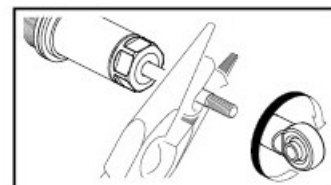
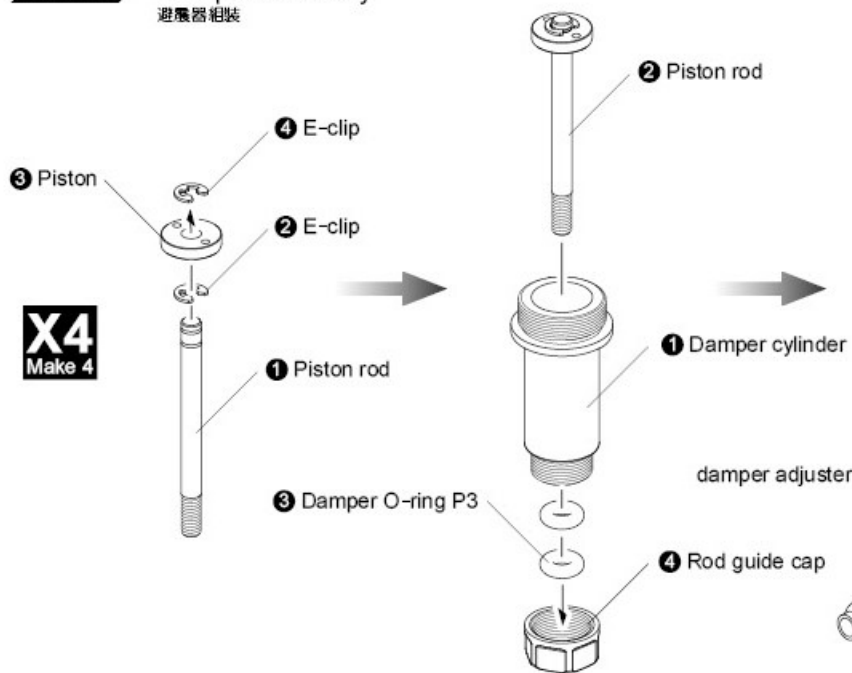


Damper cylinder ×4
避震筒身

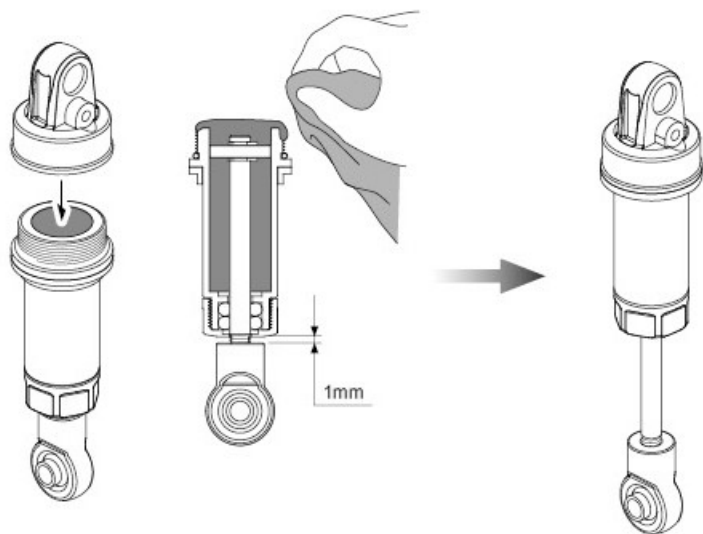


Piston rod ×4
避震軸心

STEP 1 Damper assembly
避震器組裝

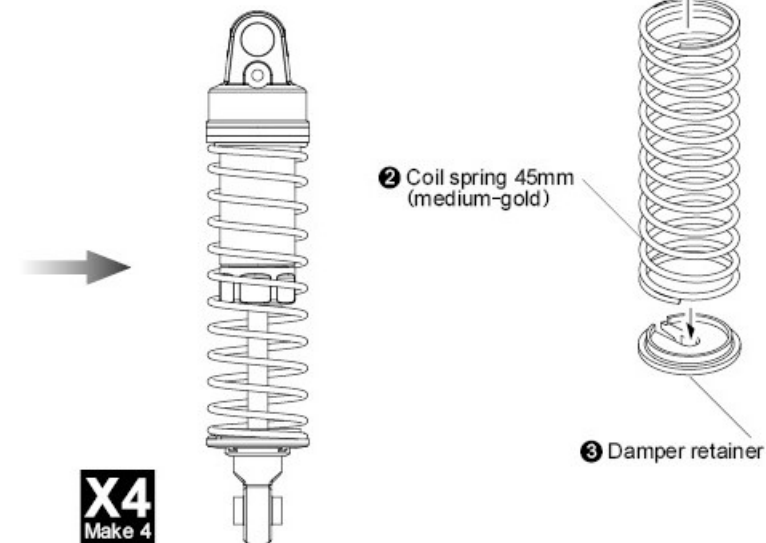


Pull down piston and pour oil into cylinder. Remove air bubbles by slowly moving piston up and down.
拉下活塞並填入砂油，緩慢上下移動活塞將氣泡移除。

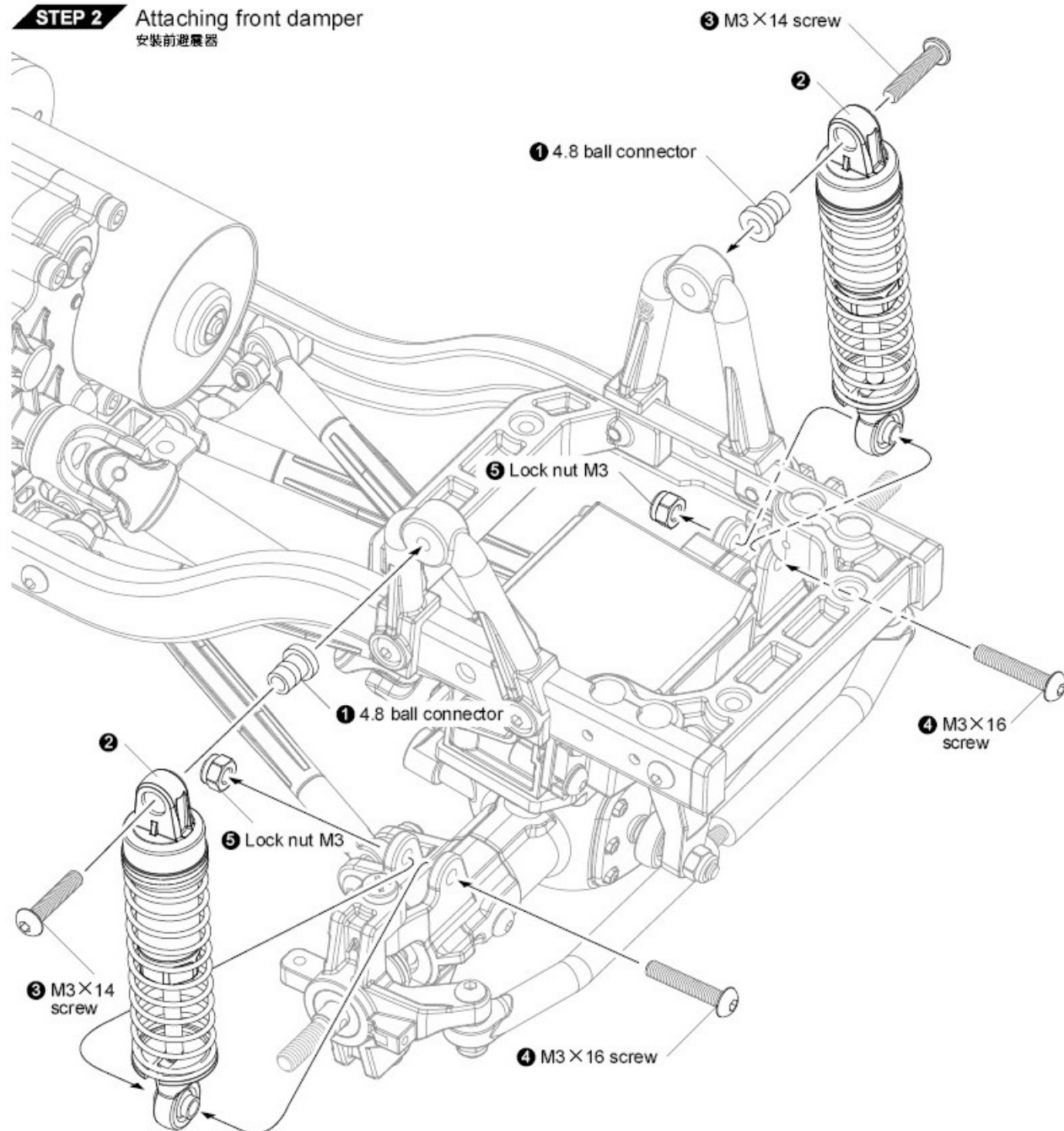
STEP 1 Damper assembly
避震器組裝

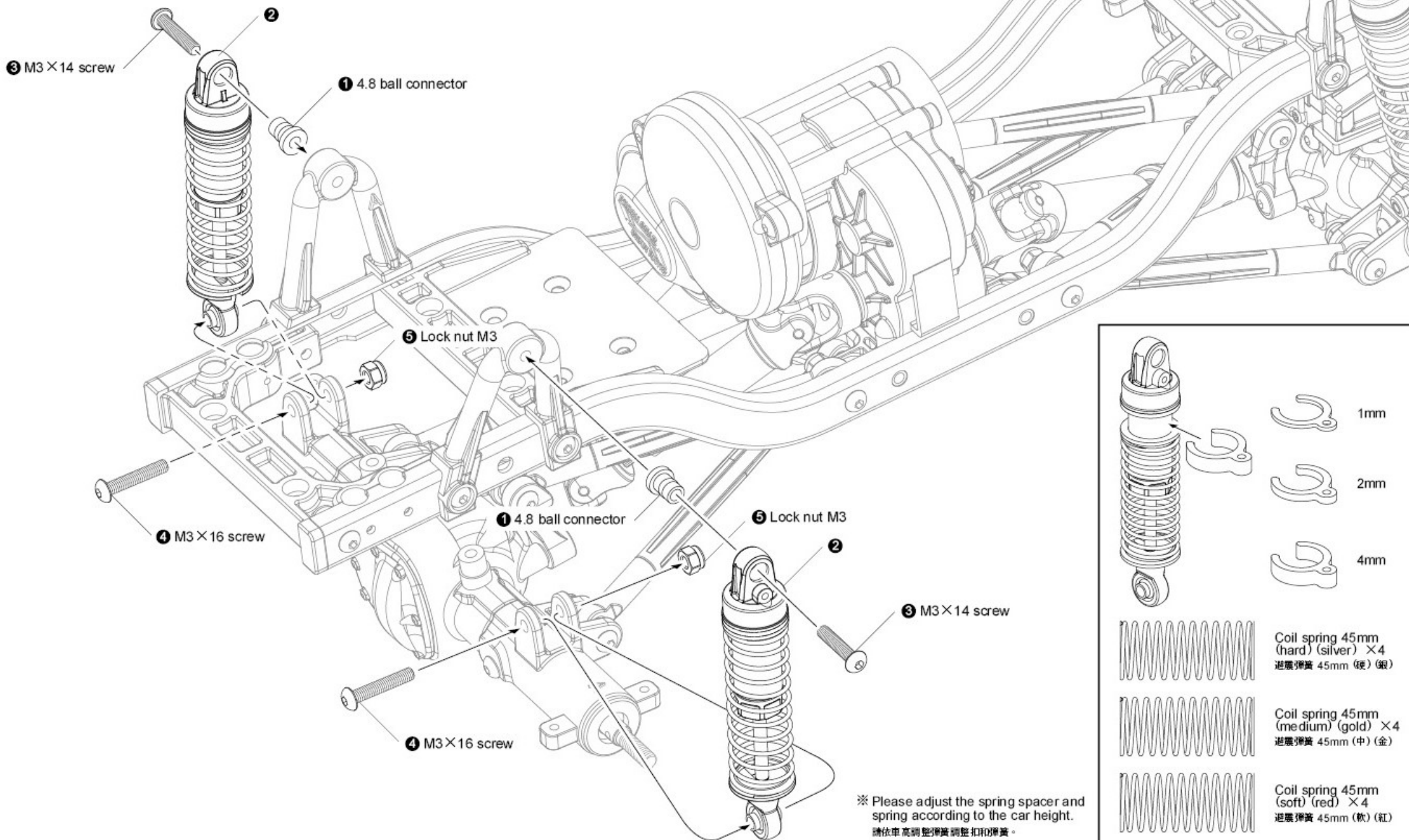
Pull down piston rod 1mm, attach oil seal and absorb oil overflow with tissue paper.

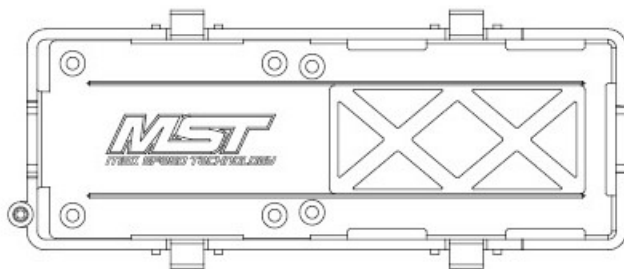
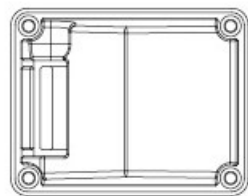
將軸心下拉1mm後，蓋上氣室並以面紙拭去溢出的砂油。



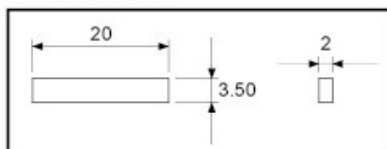
X4
Make 4

STEP 2 Attaching front damper
安裝前避震器

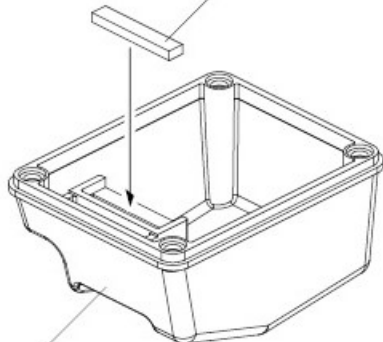
STEP 3 Attaching rear damper
安裝後避震器

Battery Mount ×1
電池座Receiver box ×1
接收機盒60×1 O-ring ×1
O-ring3×1 O-ring ×4
O-ringM3×10 screw ×4
沉頭螺絲M3×16 screw ×2
沉頭螺絲M3×14 screw ×2
圓頭螺絲M3×25 screw ×2
圓頭螺絲20×80 Sponge
吸震泡棉Sponge
吸震泡棉STEP 1 Attaching sponge
安裝泡棉

※ Please cut sponge for below measurements.
請將泡棉剪出如下圖大小。



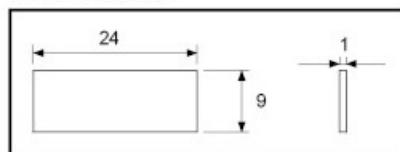
② Sponge



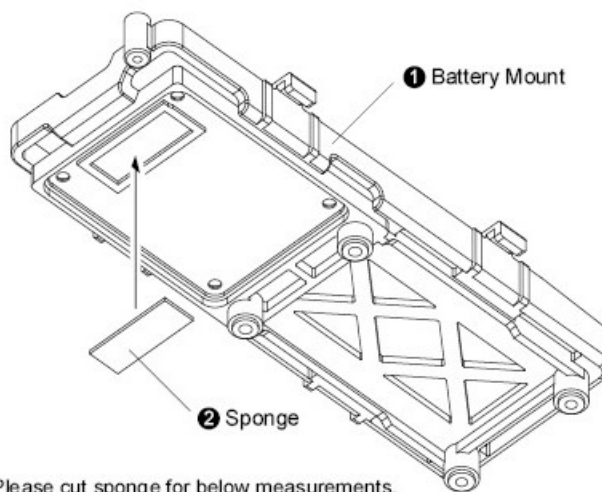
① Receiver box

STEP 2 Attaching sponge
安裝泡棉

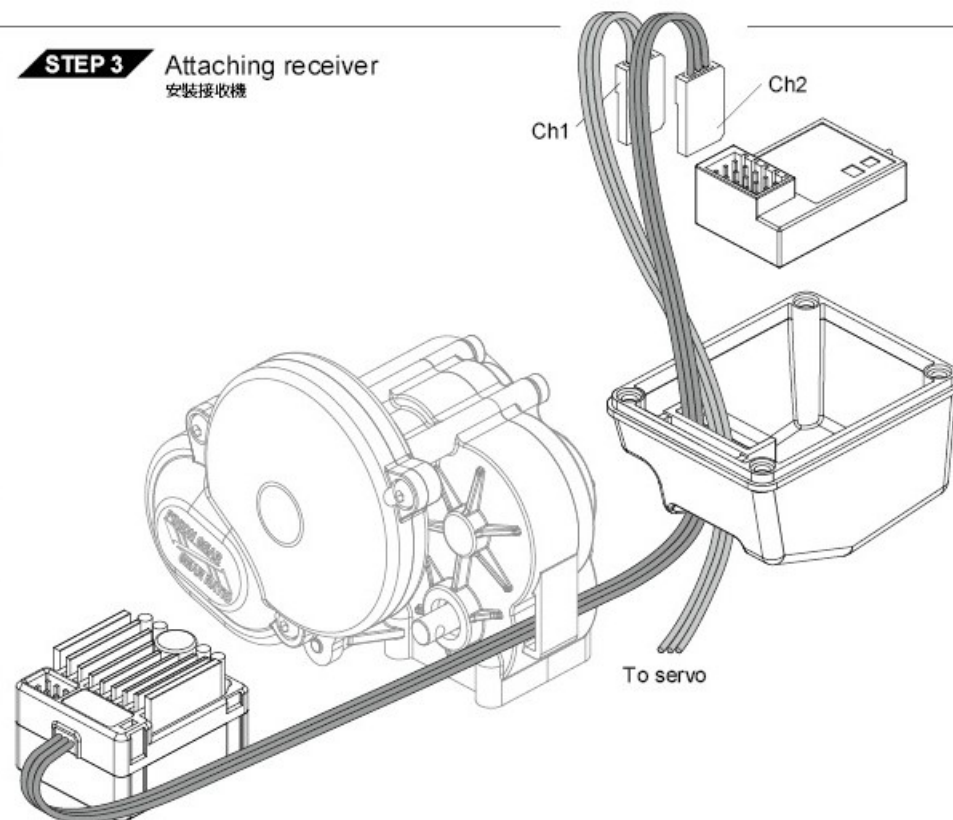
※ Please cut sponge for below measurements.
請將泡棉剪出如下圖大小。



② Sponge



① Battery Mount

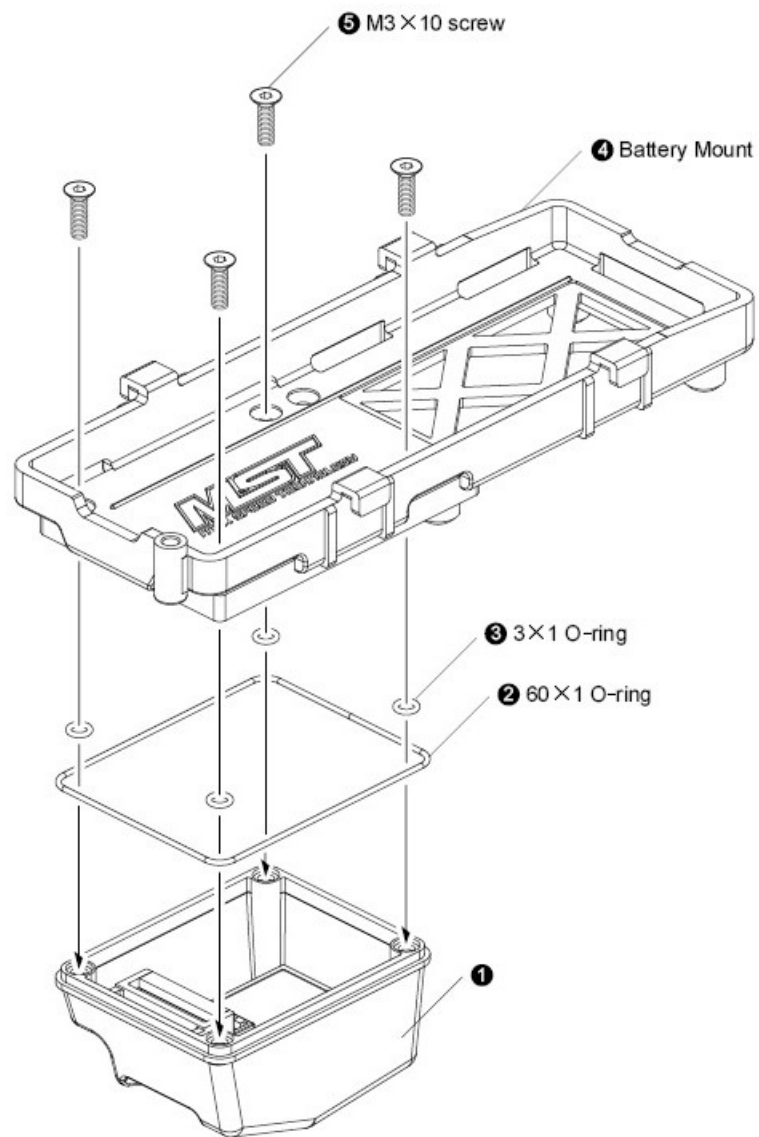
STEP 3 Attaching receiver
安裝接收機

◀ BATTERY MOUNT

電池座, 接收機盒

STEP 4 Attaching receiver

接收機盒組裝

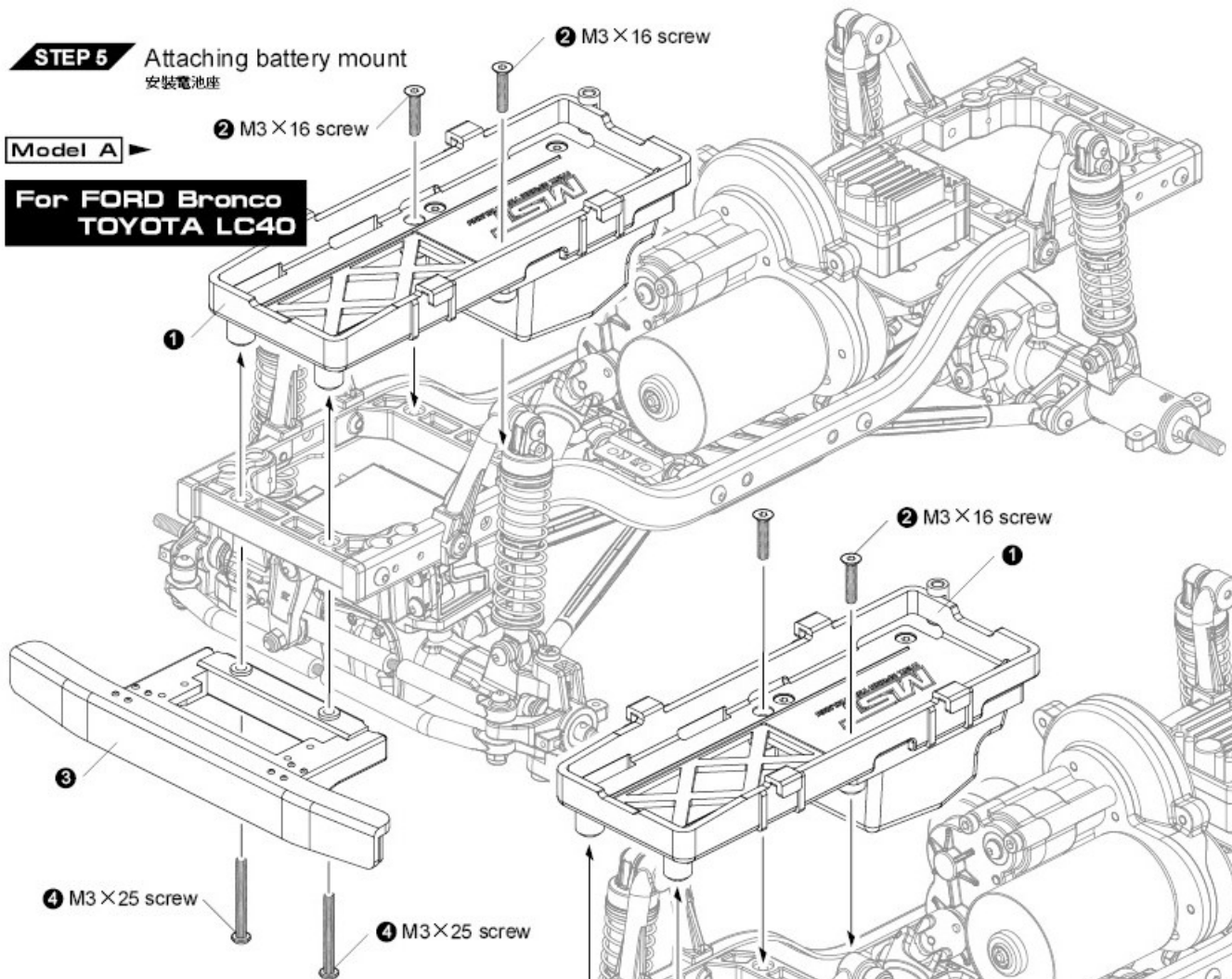


STEP 5 Attaching battery mount

安裝電池座

Model A ▶

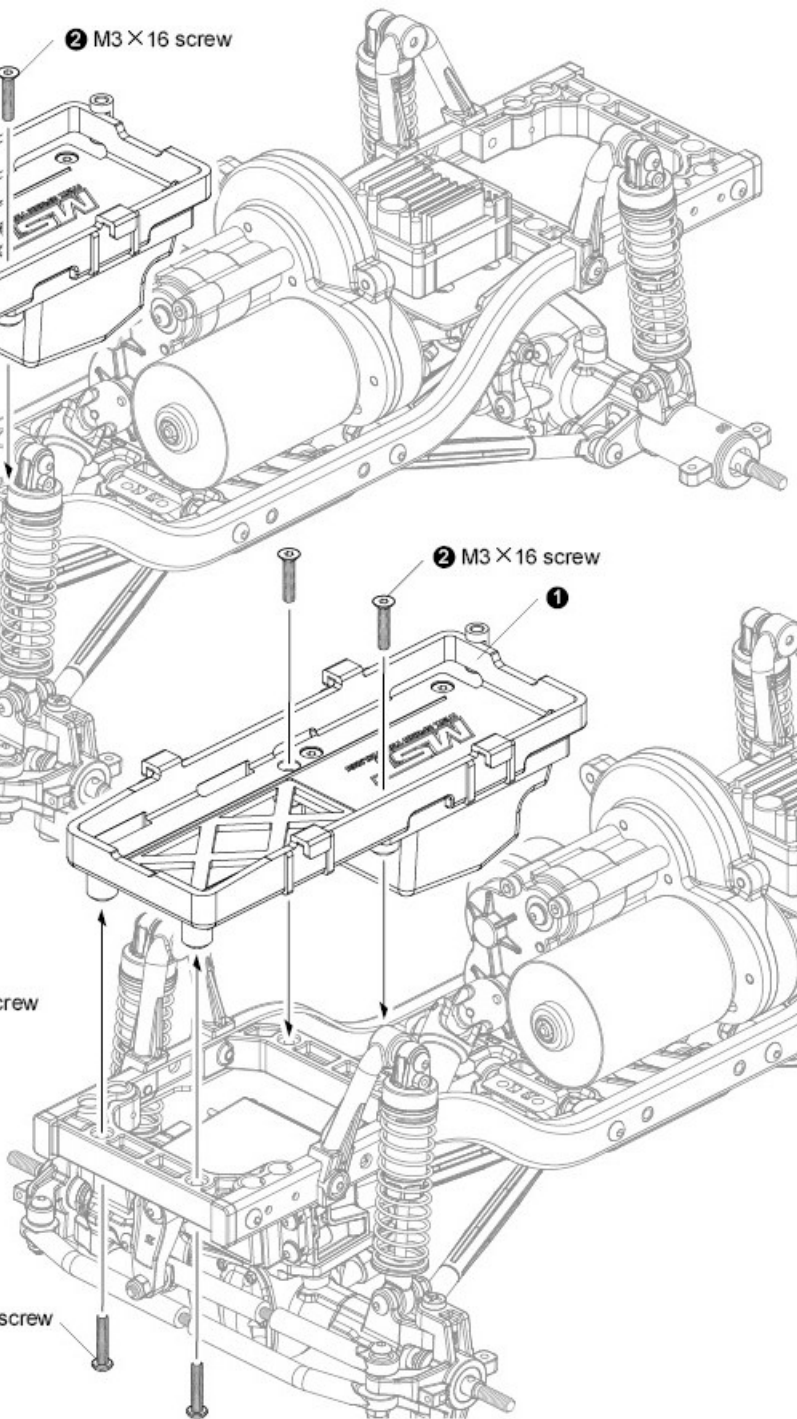
For FORD Bronco
TOYOTA LC40



Model B ▶

For M-BENZ Unimog 406

③ M3 × 14 screw

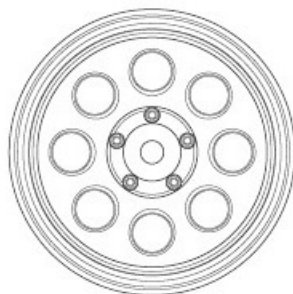


WHEELS
輪胎

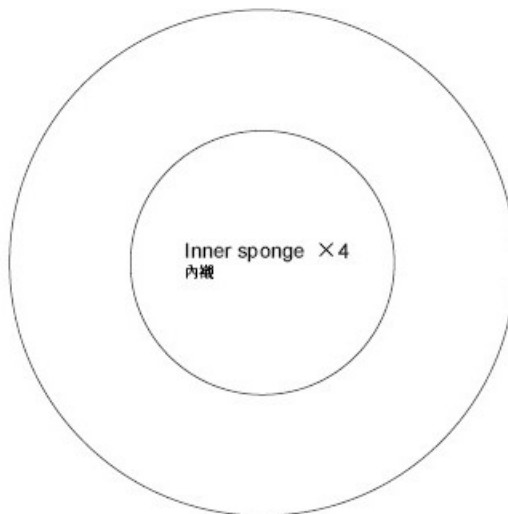
※ Please make the object as the standard.
請以實物為主。

2 × 9.8 Shaft × 4
插銷

M4 flange nut × 4
凸緣螺帽



Wheel × 4
輪框

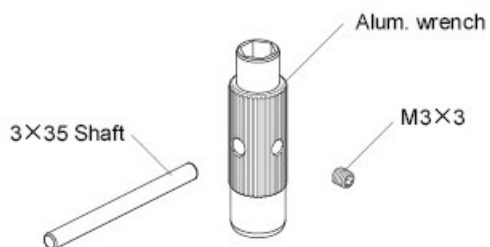


Inner sponge × 4
內襯

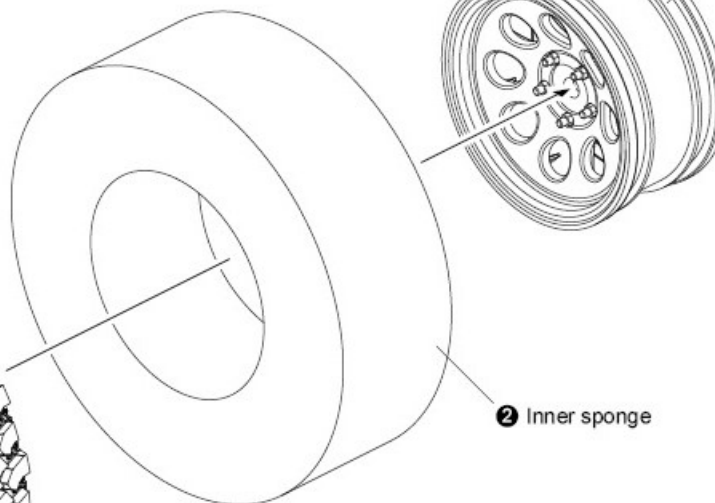


KM Crawler Tire × 4
KM 攀岩胎

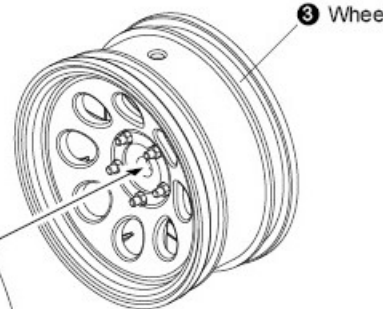
STEP 1 Assemble tire and wheel
胎框組合



1 KM Tire

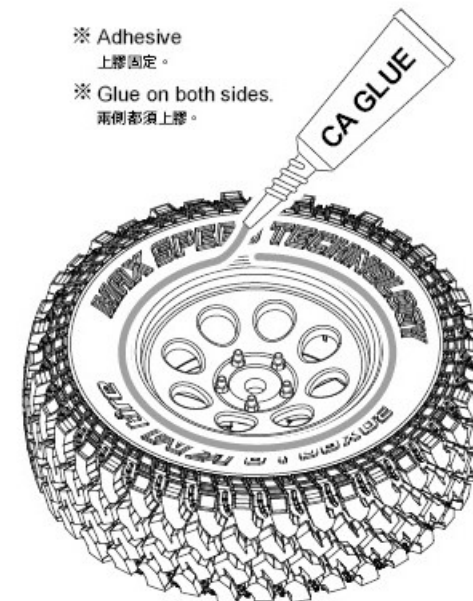


2 Inner sponge



3 Wheel

※ Adhesive
上膠固定。
※ Glue on both sides.
兩側都須上膠。

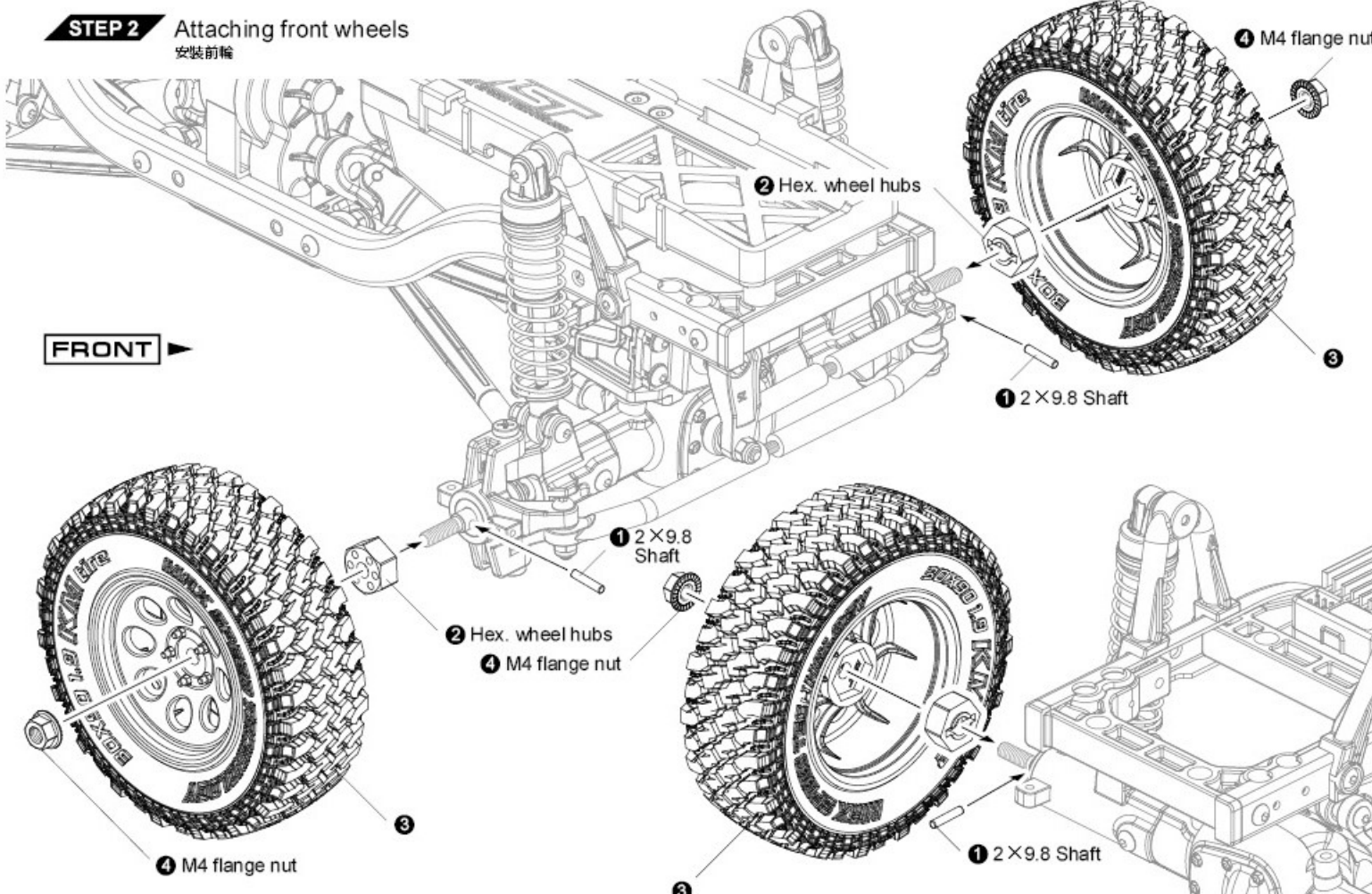


※ Please operate it at ventilated place.
請於通風處進行上膠。

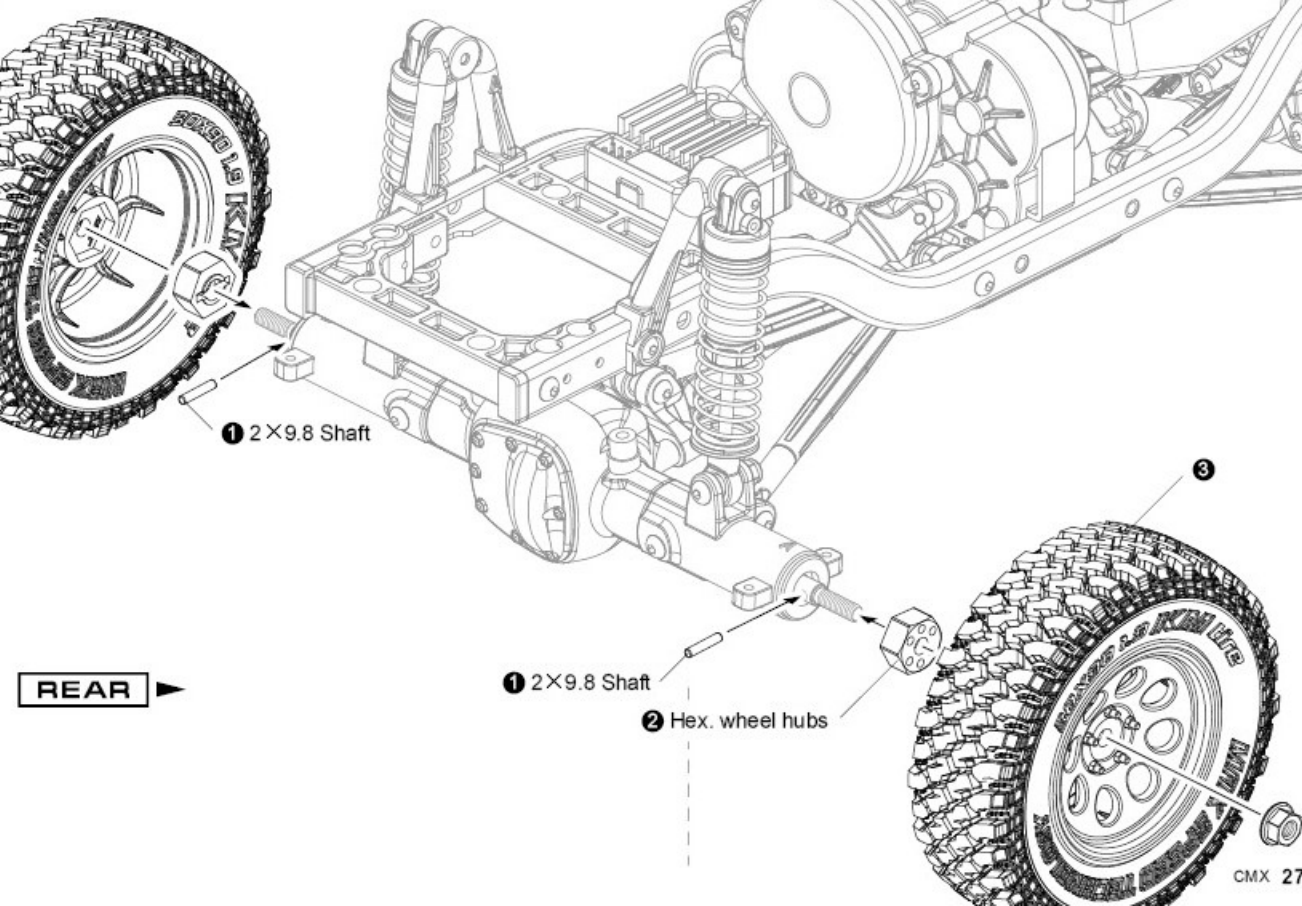
X4
Tire 4

WHEELS
輪胎

STEP 2 Attaching front wheels
安裝前輪

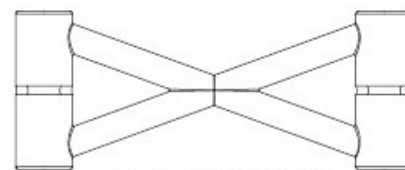


STEP 3 Attaching rear wheels
安裝後輪



BODY MOUNTS

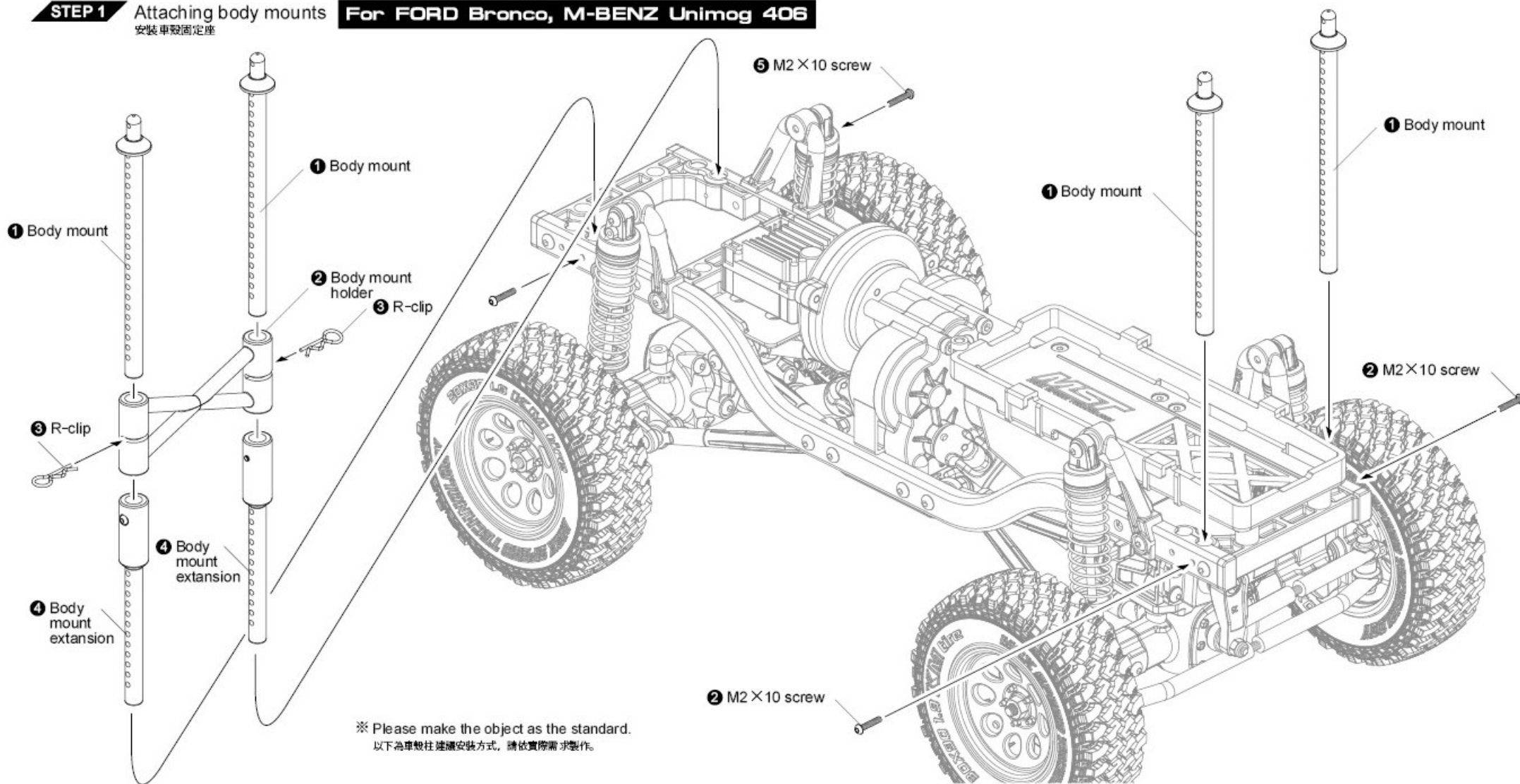
車殼固定座

Body mount extension ×2
車殼延伸柱Body mount ×4
車殼支柱Body mount holder ×2
車殼支柱連接架R-clip ×9
R形扣M2×10 Screw ×6
圓頭螺絲

STEP 1 Attaching body mounts

安裝車殼固定座

For FORD Bronco, M-BENZ Unimog 406

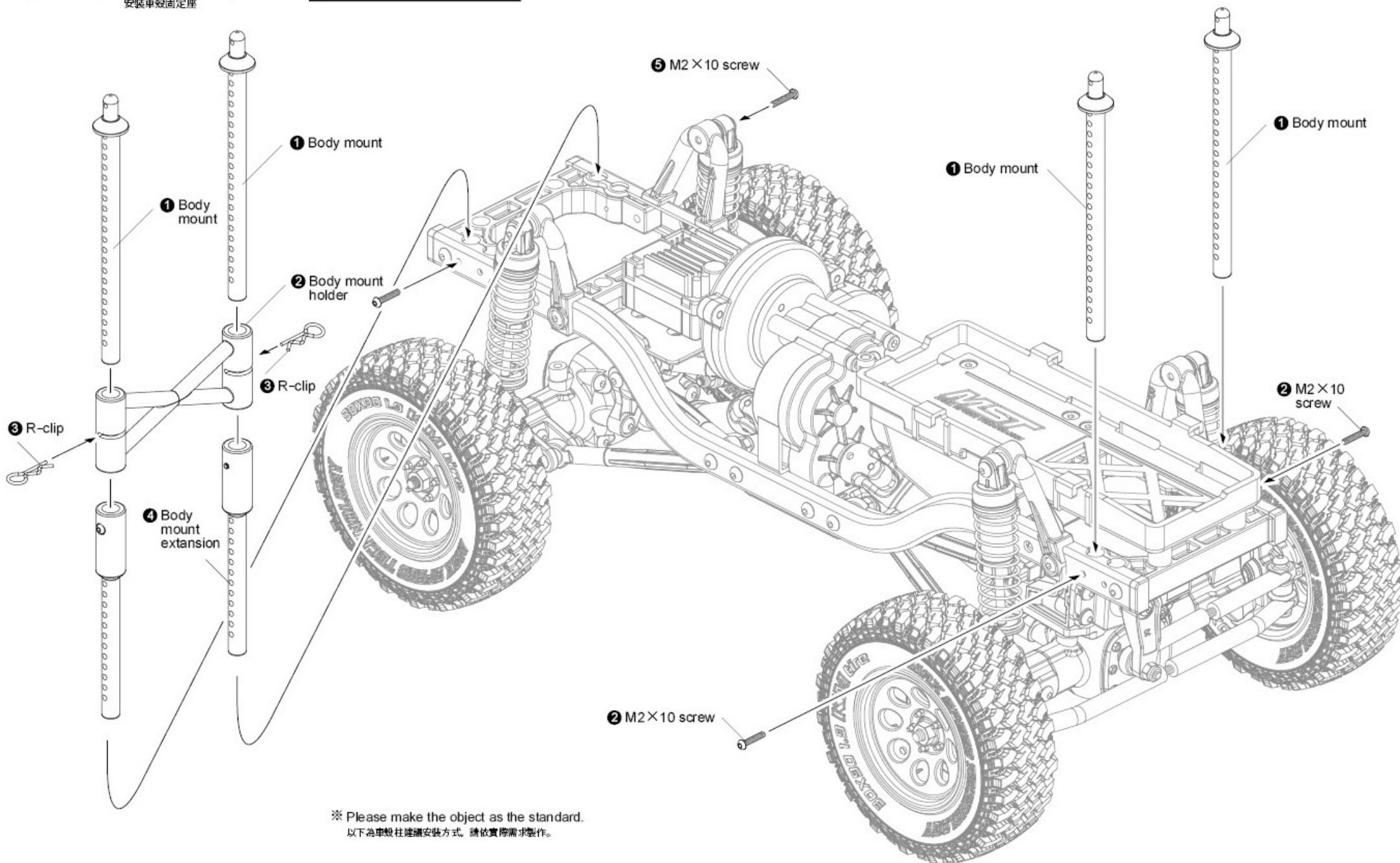


※ Please make the object as the standard.
以下為車殼柱建議安裝方式，請依實際需求製作。

STEP 1 Attaching body mounts

安裝車殼固定座

For TOYOTA LC40



※ Please make the object as the standard.
 以下為車殼柱建議安裝方式，請依實際需求製作。

GEAR RATIO 齒比表

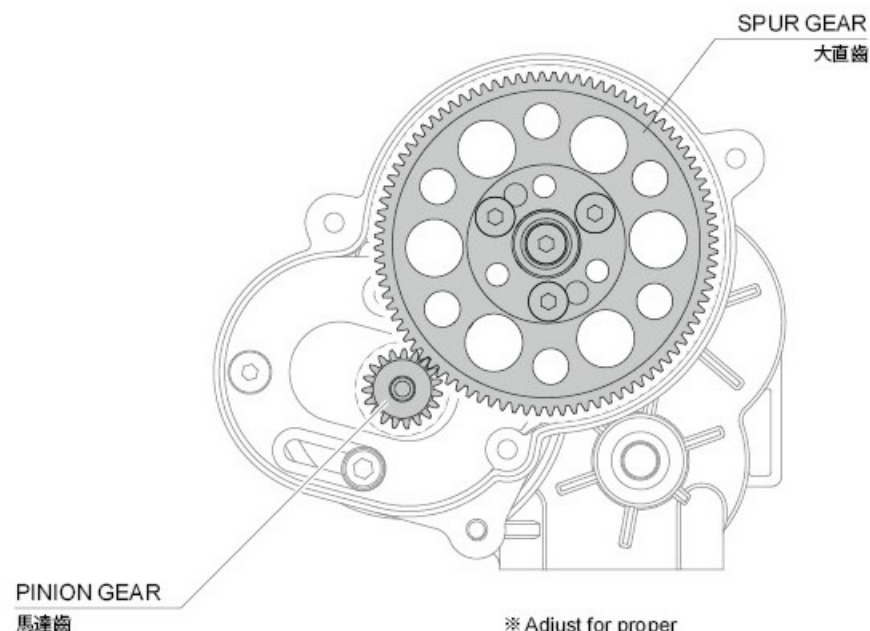
For 48P Spur Gear 88T	
Pinion Gear 馬達齒	Spur Gear 88T
17	42.59
18	40.22
19	38.11
20	36.20
21	34.48
22	32.91
23	31.48
24	30.17
25	28.96
26	27.85
27	26.81
28	25.86
29	24.96
30	24.13
31	23.35
32	22.62
33	21.94
34	21.29
35	20.68
36	20.11
37	19.57
38	19.05

※ Please refer to MST office website for completed pinion specifications.

如須另購馬達齒，請上官網查詢！

[www.rc-mst.com]

※ Please set the gear ratio according to motor specifications, environments, and personal requirements.
齒比的選擇會因馬達規格、場地形態、車手手感，而有不同選擇。
可先參考當地配置後再選擇齒比！



※ Adjust for proper space.
請調整至適當齒隙。

* **FORMULA**
計算公式

$$\left(\frac{\text{Spur gear teeth 大直齒}}{\text{Pinion gear teeth 馬達齒}} \times 8.229 \right) = \text{Gear ratio 終傳比}$$

MST

MAX SPEED TECHNOLOGY



EMAX OFF ROAD
INSTRUCTION MANUAL
1/10 RC 4WD HIGH PERFORMANCE OFF ROAD CAR

WWW.RC-MST.COM
[facebook.com/MST.tw]



Max Speed Technology

