

MST

MAX SPEED TECHNOLOGY



EMX OFF ROAD

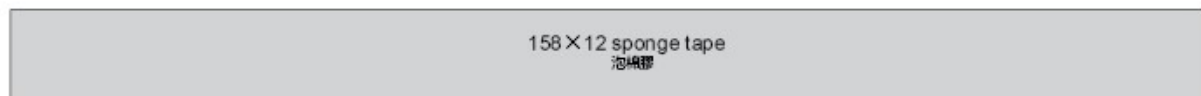
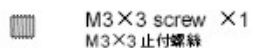
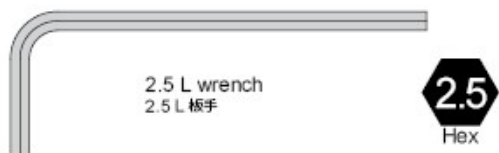
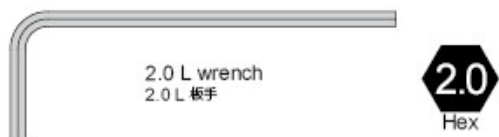
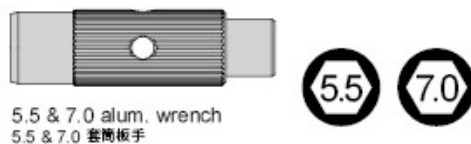
1/10 RC 4WD HIGH PERFORMANCE OFF ROAD CAR

WWW.RC-MST.COM

* SPECIFICATION ARE SUBJECT TO CHANGE WITHOUT NOTICE

INSTRUCTION MANUAL

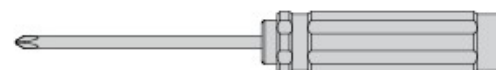
WHEELBASE : 242 / 252 / 267mm [adjustable]
* Additional parts are required to 267mm setting
WIDTH : 195mm
GEAR RATIO = 1:19 ~ 1:42.6
TIRE WIDTH / DIAMETER : 30×90mm



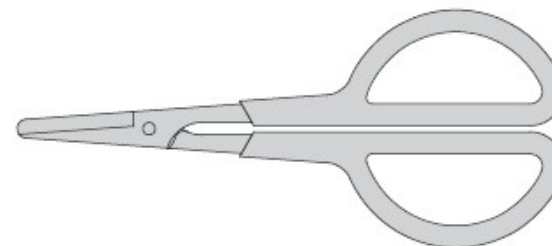
NECESSARY TOOLS FOR ASSEMBLY 工具需求
(NOT INCLUDED IN KIT) (另購)



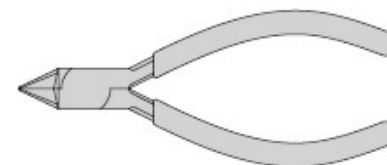
Hobby knife
美工刀



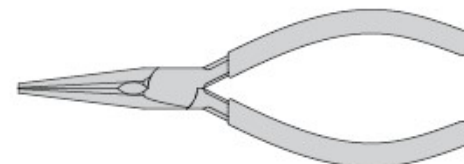
Screwdriver
螺絲起子



Scissors
剪刀



Side cutter
斜口鉗



Needle nose pliers
尖嘴鉗

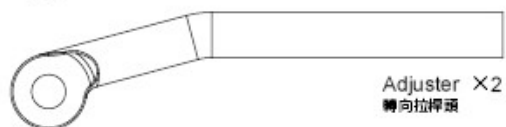
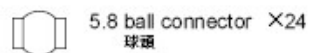
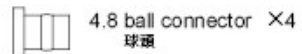
Please follow the assembling figures and instructions closely
for your [CMX] best performance!
請依照說明書圖示步驟安裝以發揮 [CMX] 最好效能!

PARTS BAG 1

1

LINKS

拉桿組

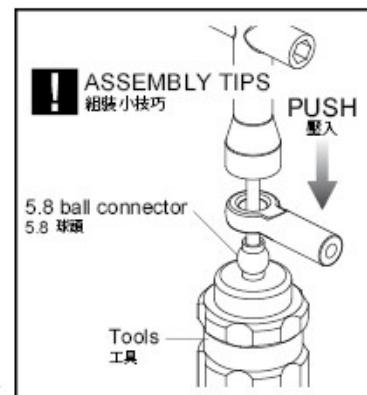


FORD Bronco	242 mm
TOYOTA LC40	252 mm
M-BENZ Unimog 406	242 mm
TOYOTA FJ	267 mm

※ Please follow the link assembly for wheelbase.
(242/252/267mm)
請依照車距組裝所需拉桿。(242mm/252mm/267mm)

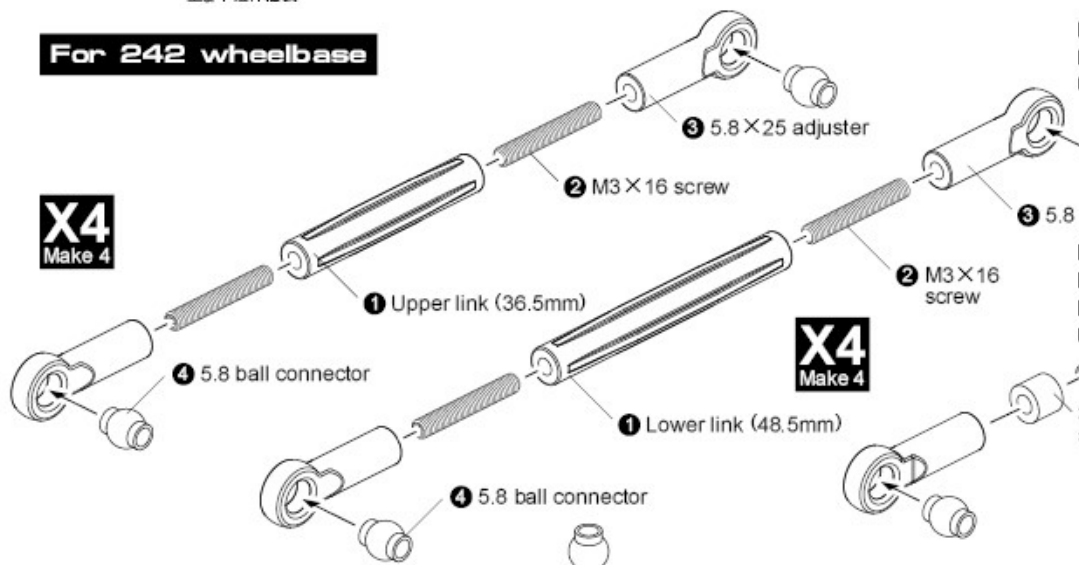


※ Used for STEP 4
保留零件到第4步驟

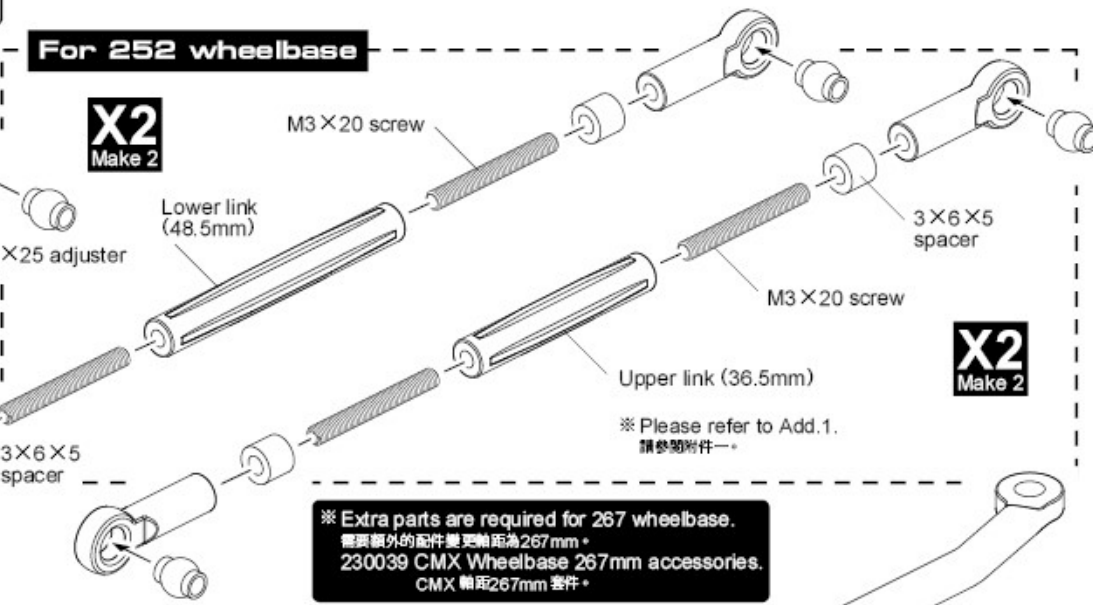


STEP 1 Upper & Lower link assembly 上&下拉桿組裝

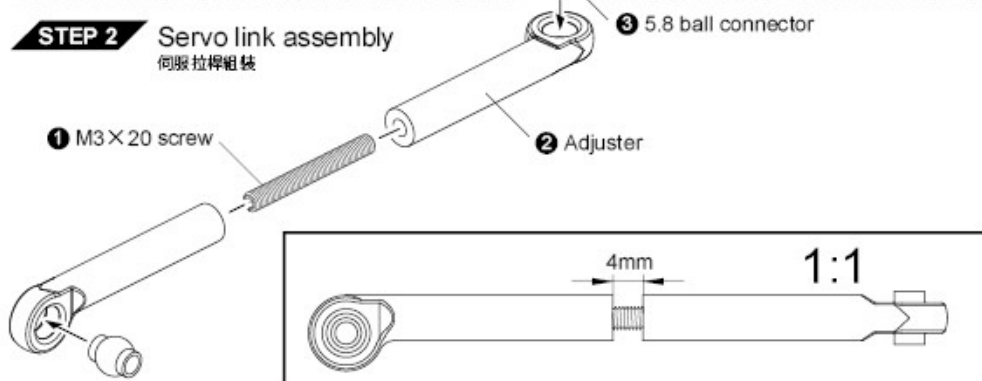
For 242 wheelbase



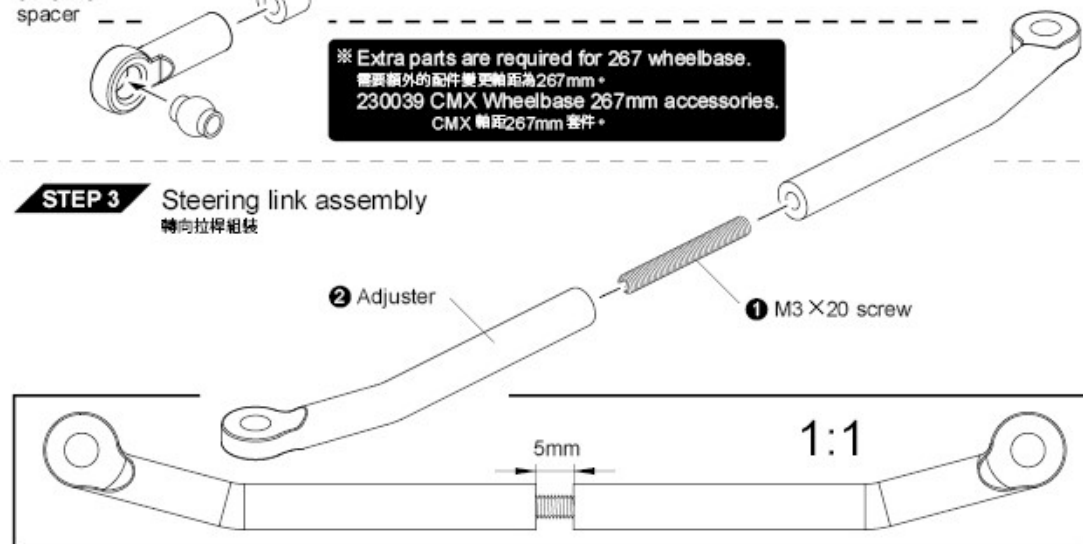
For 252 wheelbase



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

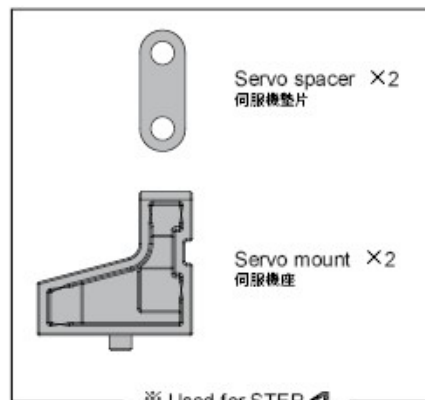
M3×18 screw ×4
圓頭螺絲

Lock nut M3 ×6
防鬆螺帽



Hex. wheel hubs ×4
六角輪座

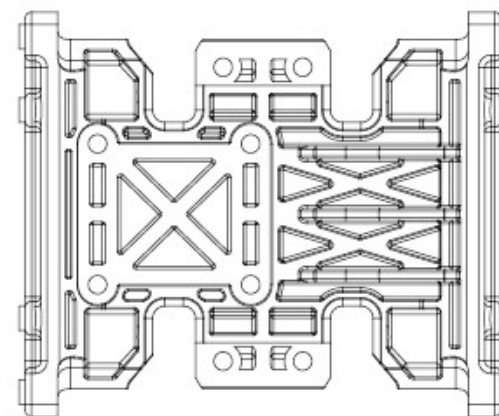
※ Used for STEP 9
保留零件到第9步驟



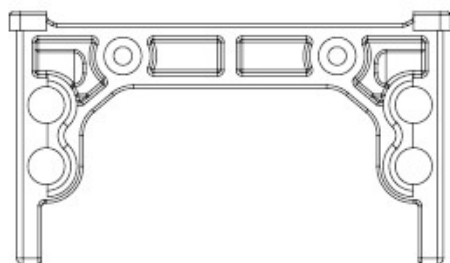
Servo spacer ×2
伺服機墊片

Servo mount ×2
伺服機座

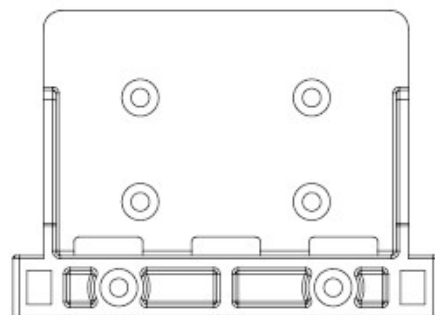
※ Used for STEP 4
保留零件到第4步驟



Gearbox chassis ×1
減速箱底盤



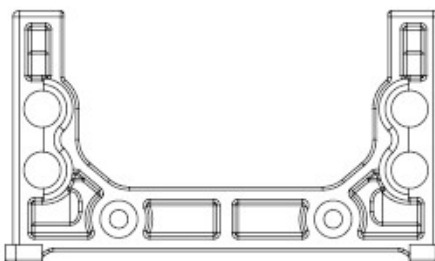
Crossmember A ×1
橫樑 A



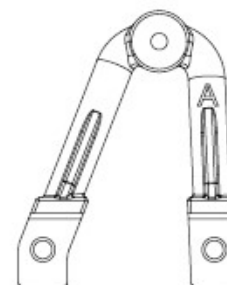
Crossmember C ×1
橫樑 C



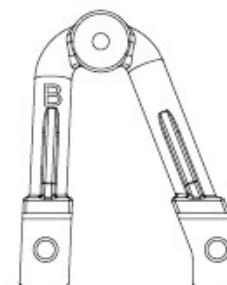
Crossmember B ×1
橫樑 B



Crossmember D ×1
橫樑 D



Damper stay A ×2
避震架



Damper stay B ×2
避震架

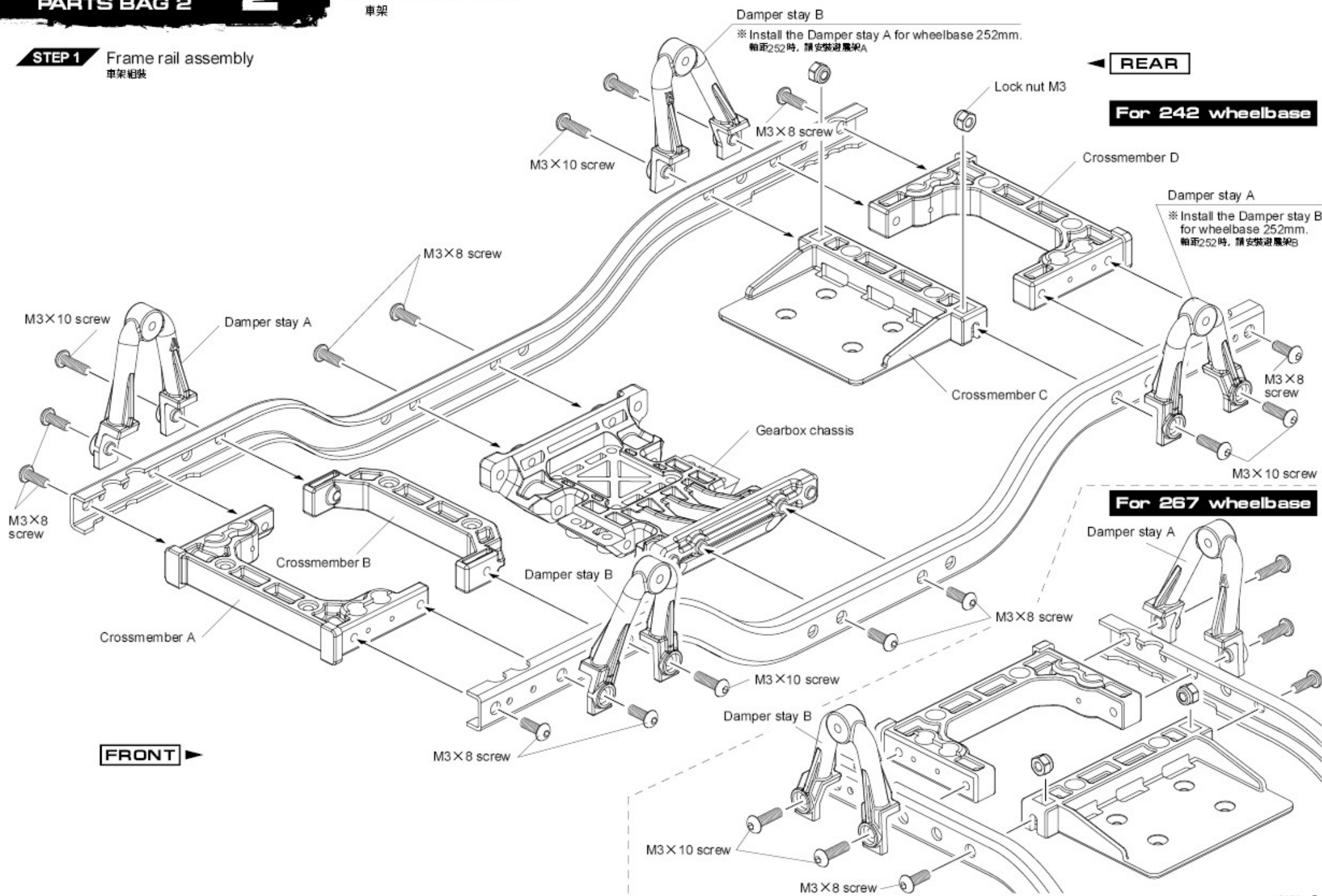


Chassis rail ×2
大樑



STEP 1 Frame rail assembly

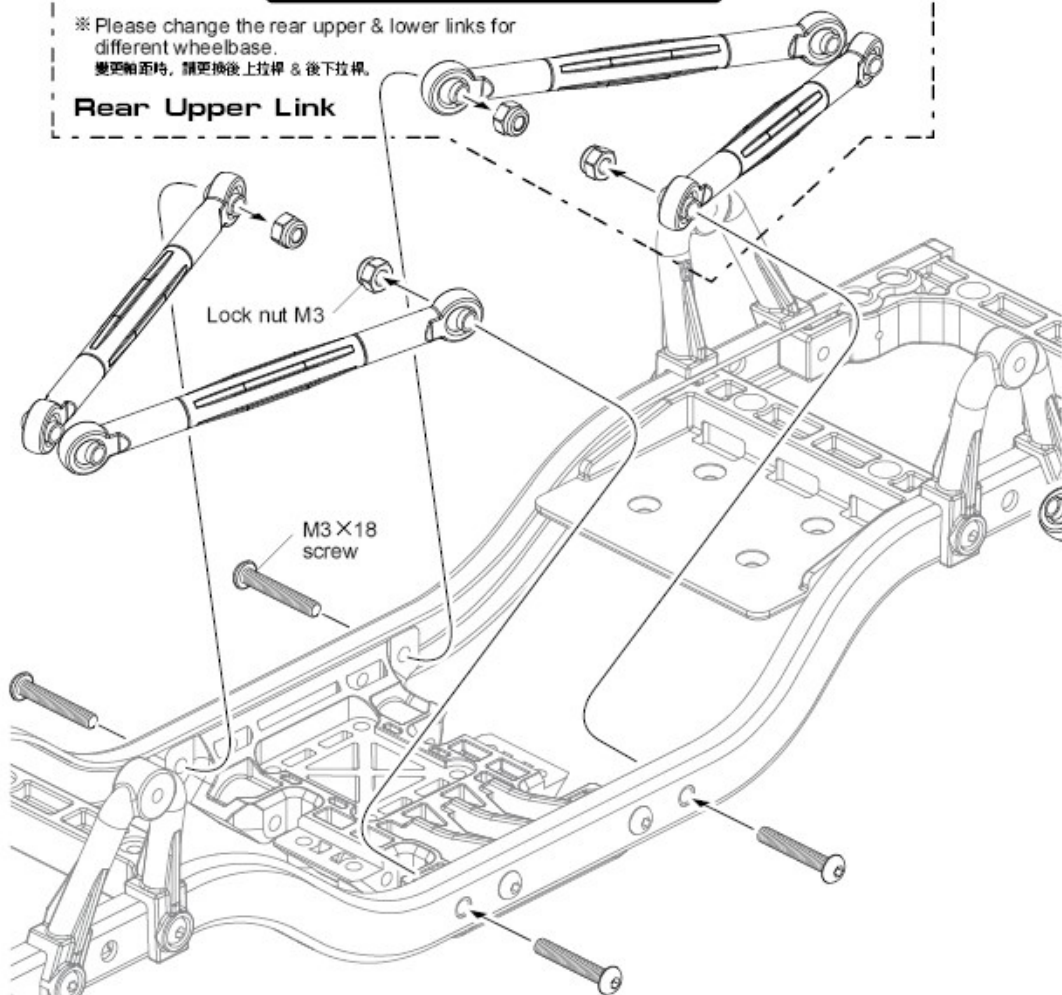
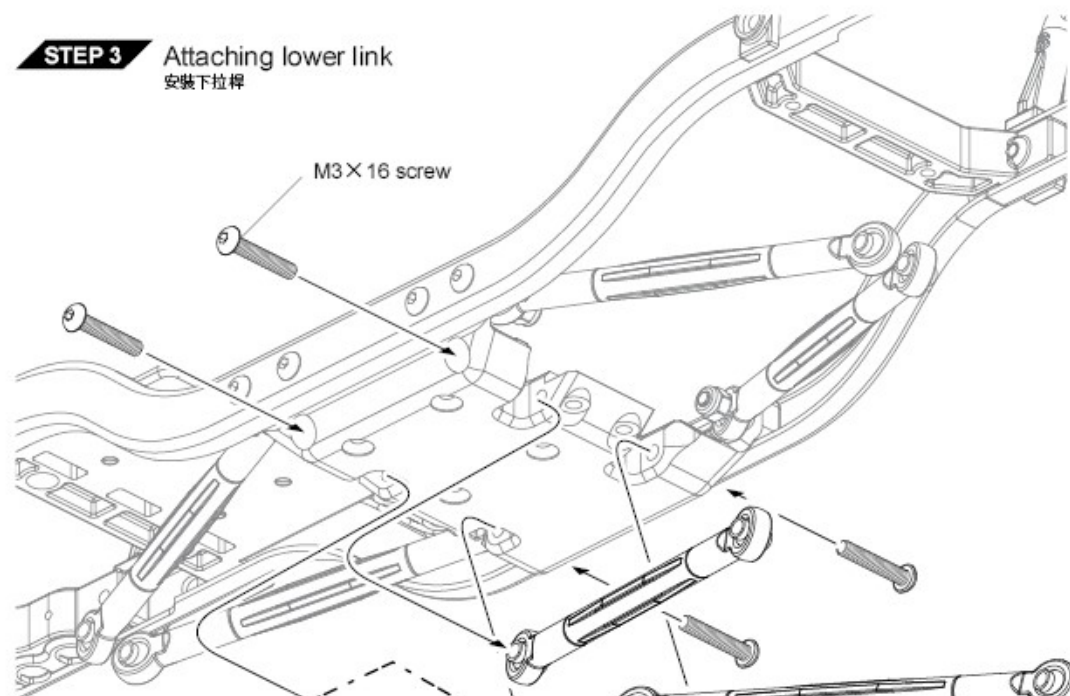
車架組裝



STEP 2 Attaching upper link
安裝上拉桿


※ Extra parts are required for 267 wheelbase.
需要額外的配件變更軸距為267mm。
230039 CMX Wheelbase 267mm accessories.
CMX 軸距267mm零件。

※ 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。

Rear Upper Link

STEP 3 Attaching lower link
安裝下拉桿

Rear Lower Link

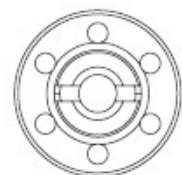
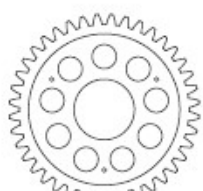
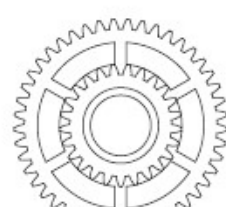
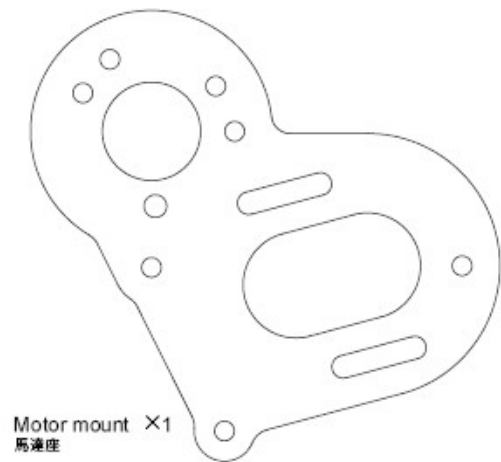
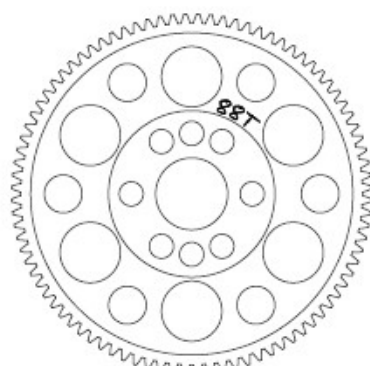
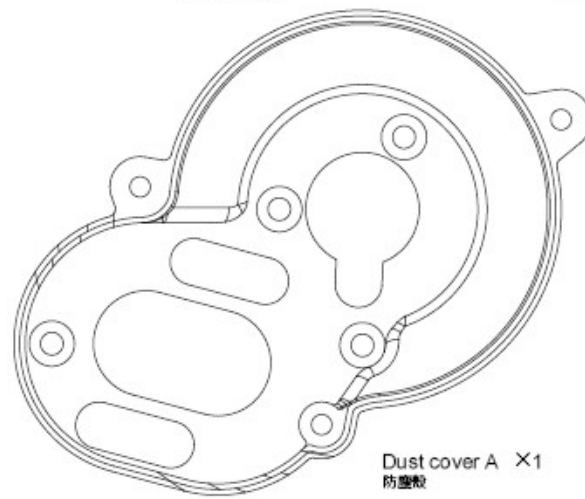
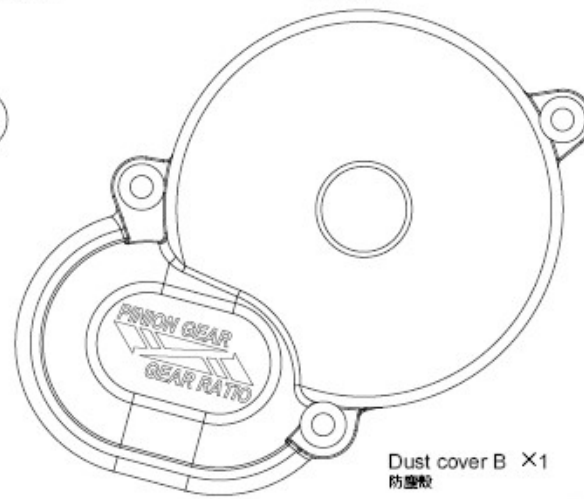
※ Please change the rear upper &
lower links for different wheelbase.
變更軸距時，請更換後上拉桿 & 後下拉桿。

※ Extra parts are required for 267 wheelbase.
需要額外的配件變更軸距為267mm。
230039 CMX Wheelbase 267mm accessories.
CMX 軸距267mm零件。



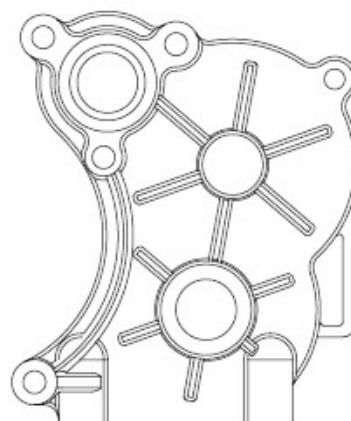
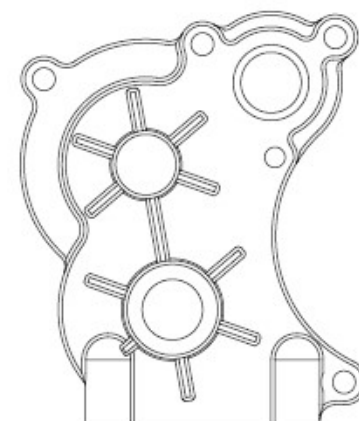
TRANSMISSION

減速箱

M2X5 screw X3
圓頭螺絲M3X5 screw X5
圓頭螺絲M3X6 screw X3
圓頭螺絲M3X16 screw X1
圓頭螺絲M3X5 screw X4
沉頭螺絲M3X16 screw X4
沉頭螺絲M3X6 Cap screw X2
有頭螺絲M3X40 Cap screw X4
有頭螺絲5X10X4 Bearing X6
軸承E-clip 4.0 X2
E扣2X9.8 Shaft X2
插銷2X13.8 Shaft X1
插銷5X26.8 Shaft X1
複式插銷Gear shaft X1
輸出軸Main shaft X1
主齒軸Gear holder X1
輸出齒座3X6X0.5 Spacer X4
墊片Spur gear holder X1
齒座Gear 21T X1
齒輪 21TGear 40T X1
齒輪 40TGear 45T-25T X1
齒輪 45T-25TMotor mount X1
馬達座Spur gear 48P-88T X1
大齒輪 48P-88TDust cover A X1
防塵殼Dust cover B X1
防塵殼

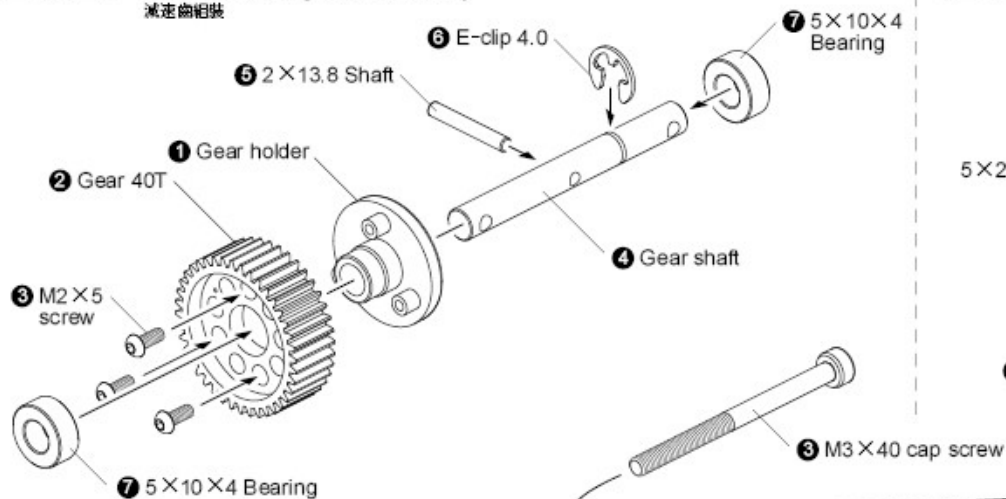
※ 532143 CMX 4WD Off-Road Car KIT is without PARTS BAG 14
532143 CMX 4WD Off-Road Car KIT 不包含 PARTS BAG 14

BAG 14

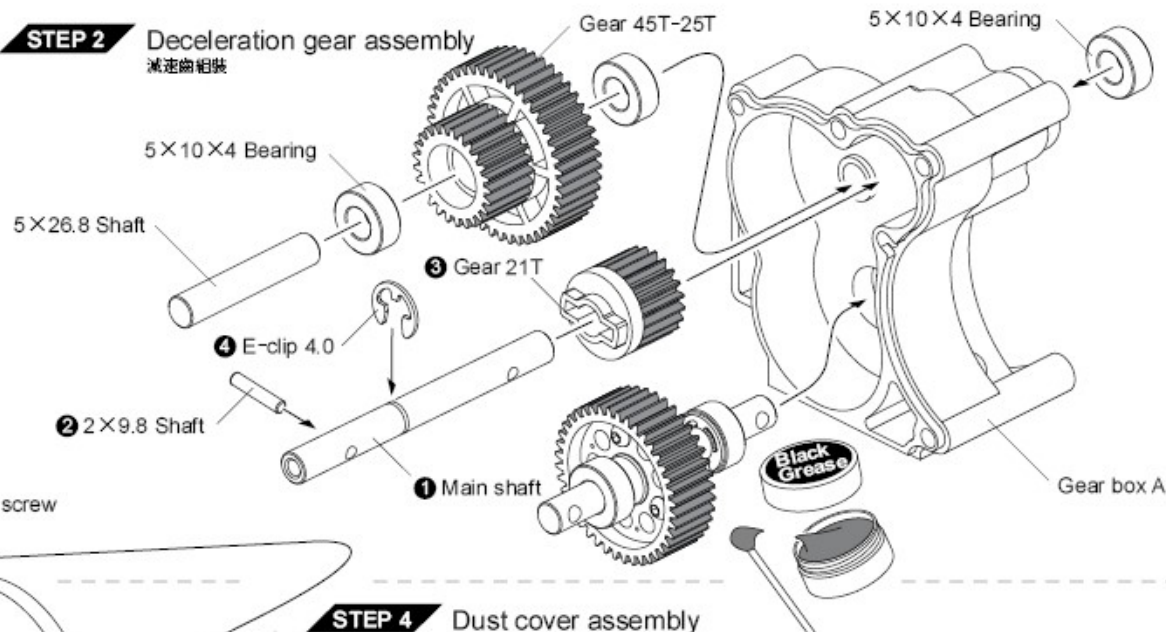
Gear box A X1
減速齒箱 AGear box B X1
減速齒箱 B

STEP 1 Deceleration gear assembly

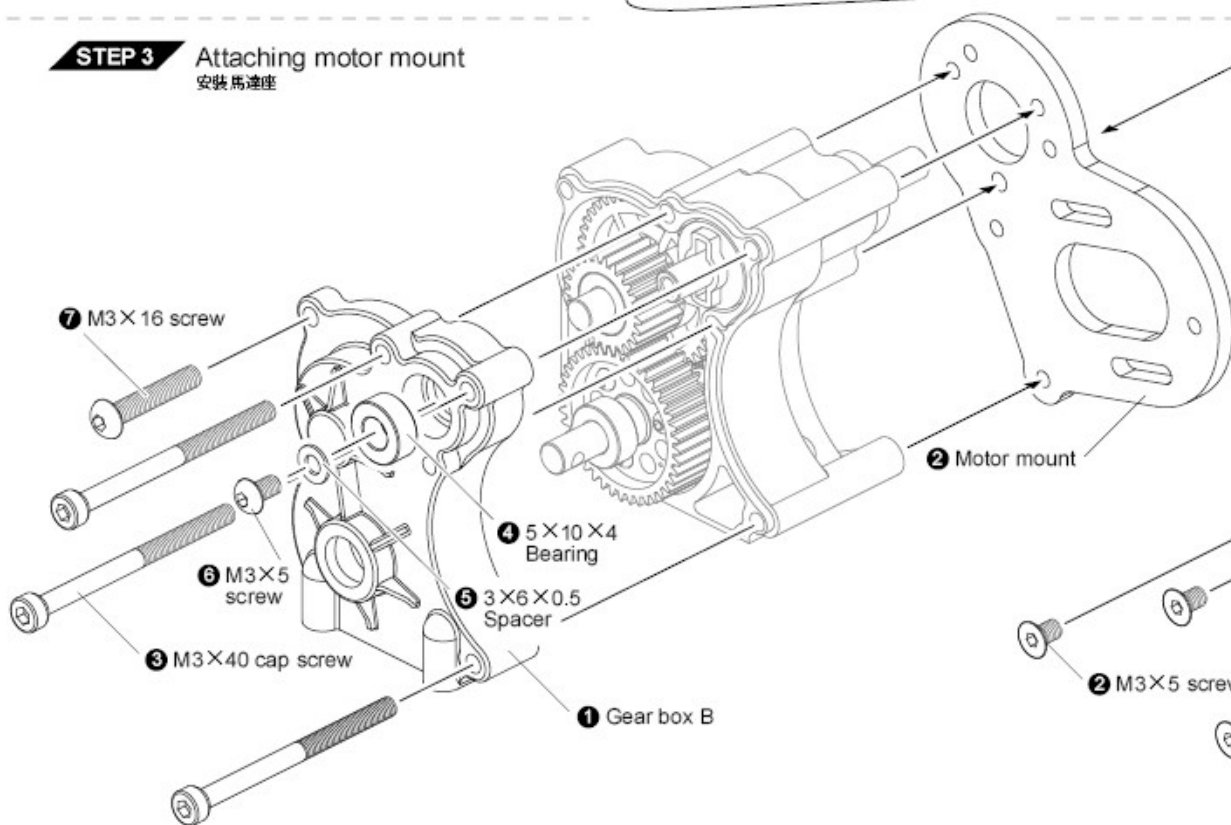
減速齒組裝

**STEP 2** Deceleration gear assembly

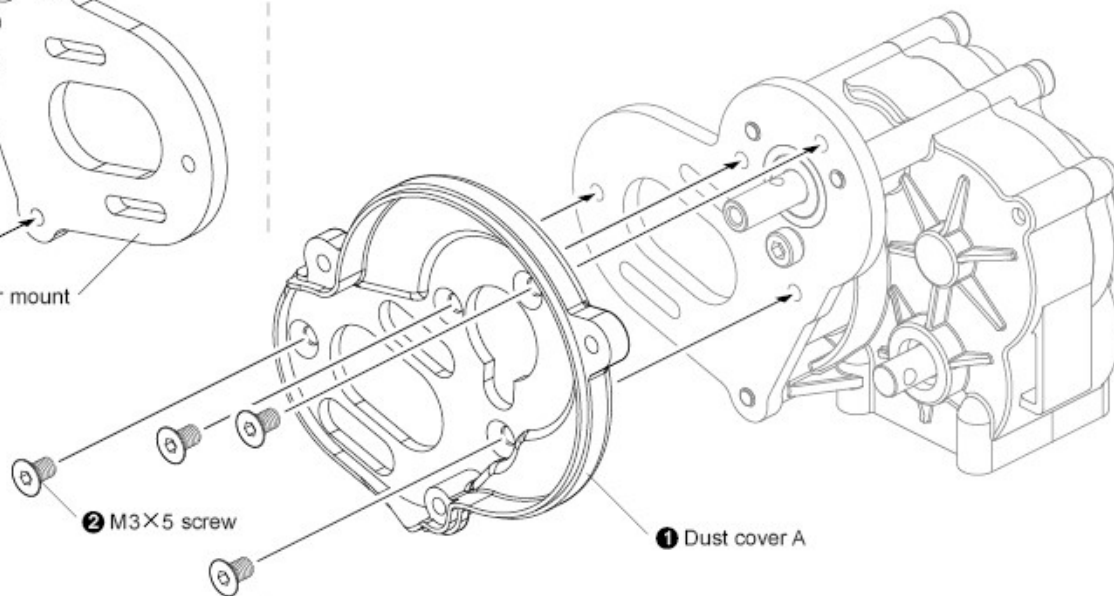
減速齒組裝

**STEP 3** Attaching motor mount

安裝馬達座

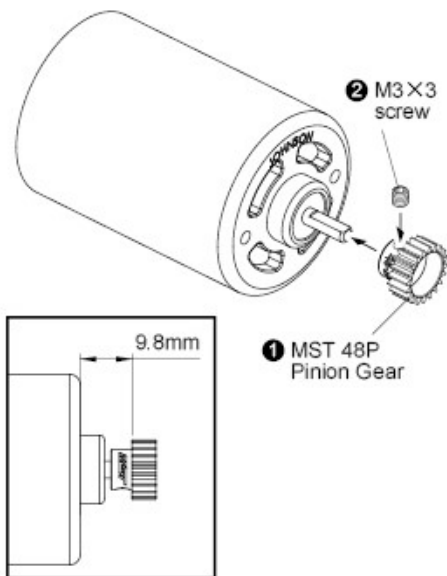
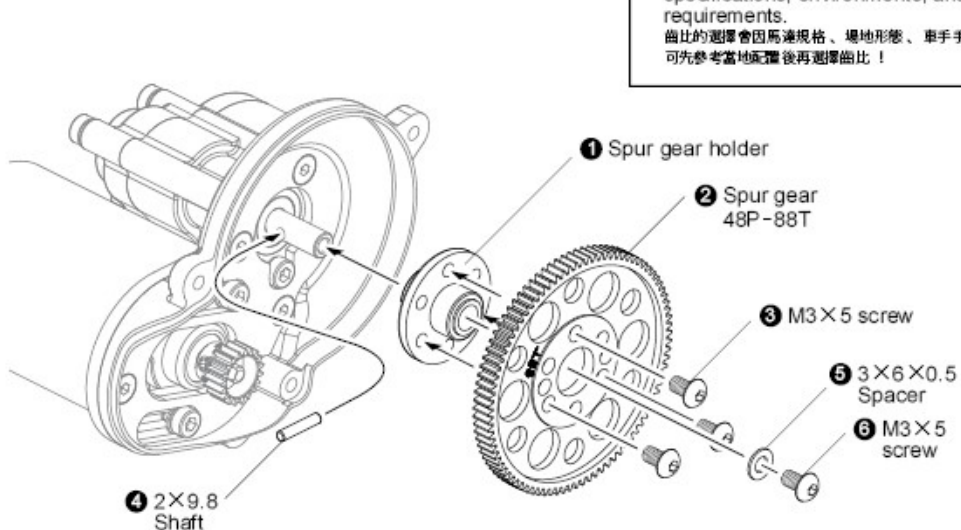
**STEP 4** Dust cover assembly

防塵殼組裝



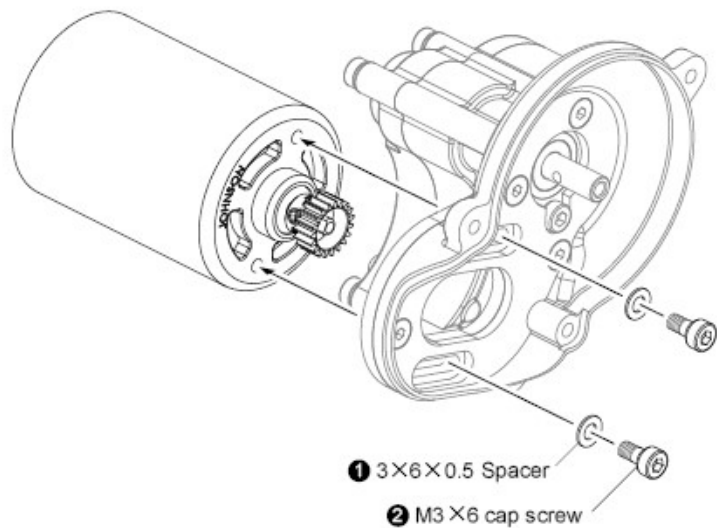
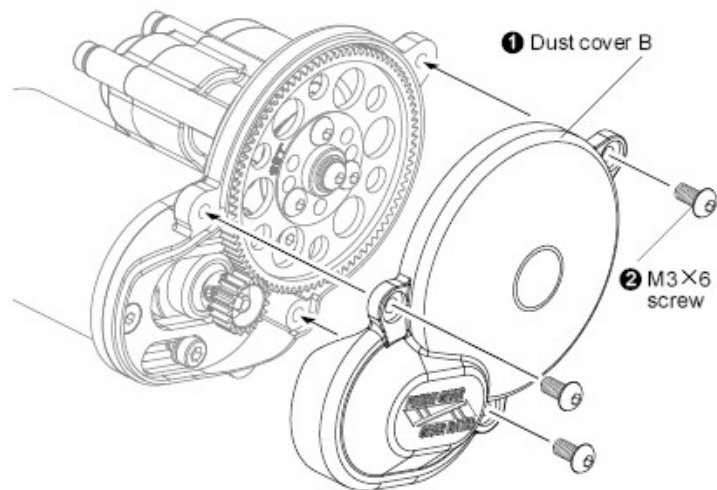
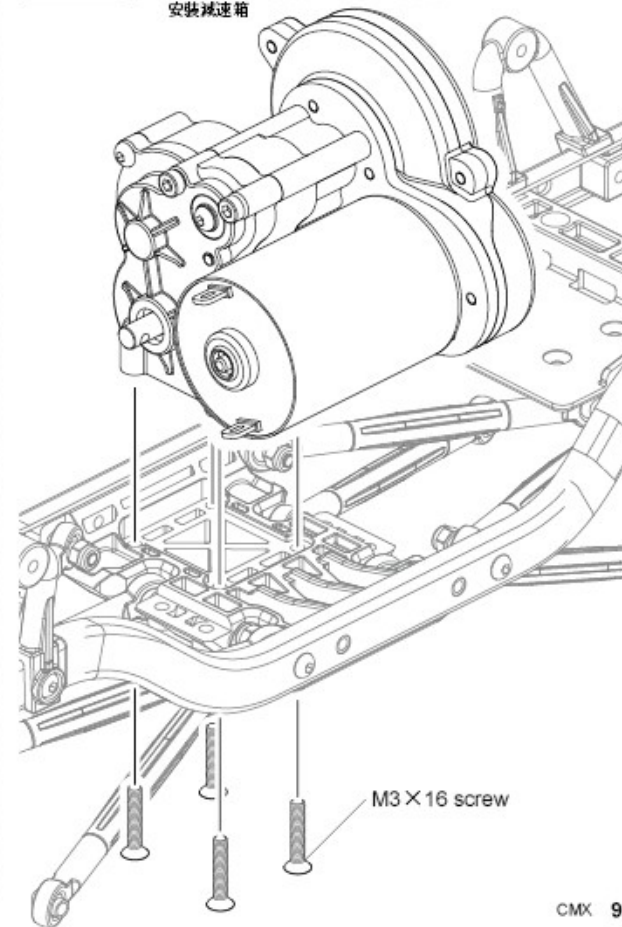
TRANSMISSION

減速箱

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

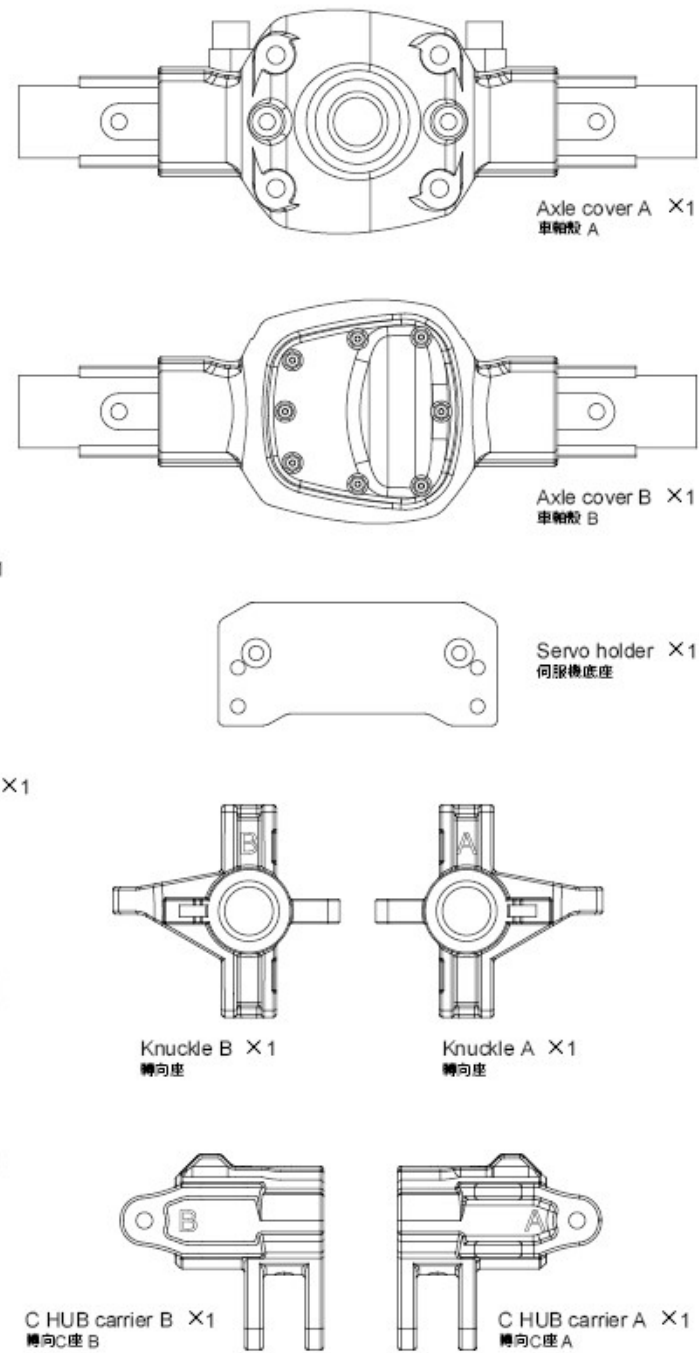
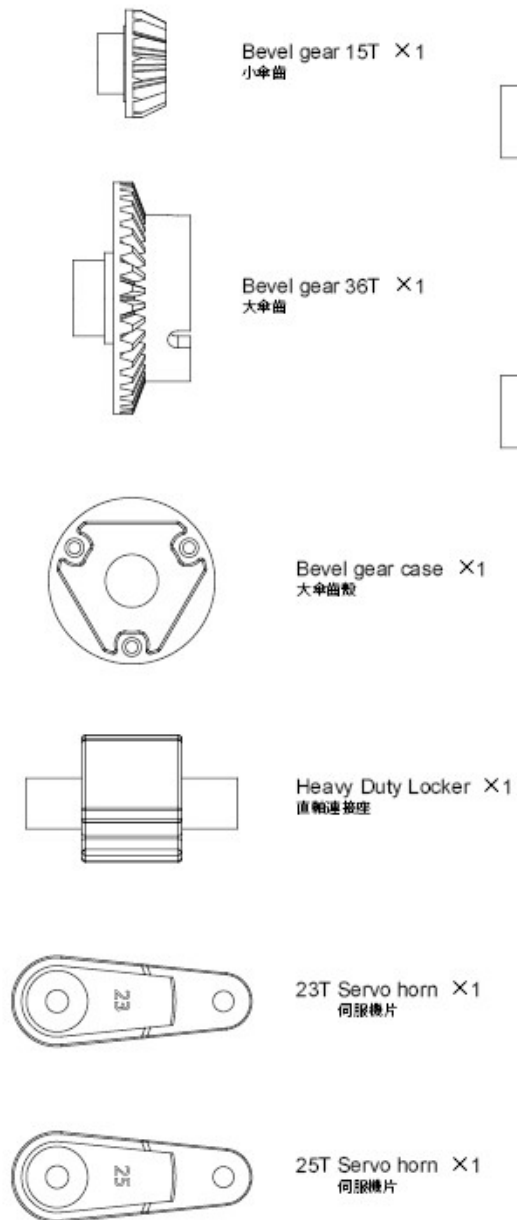
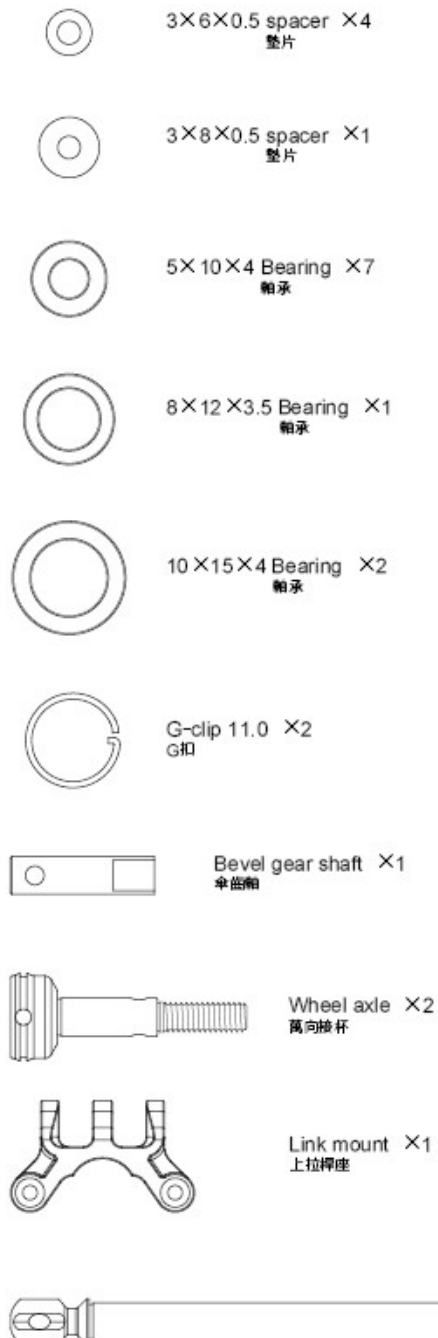
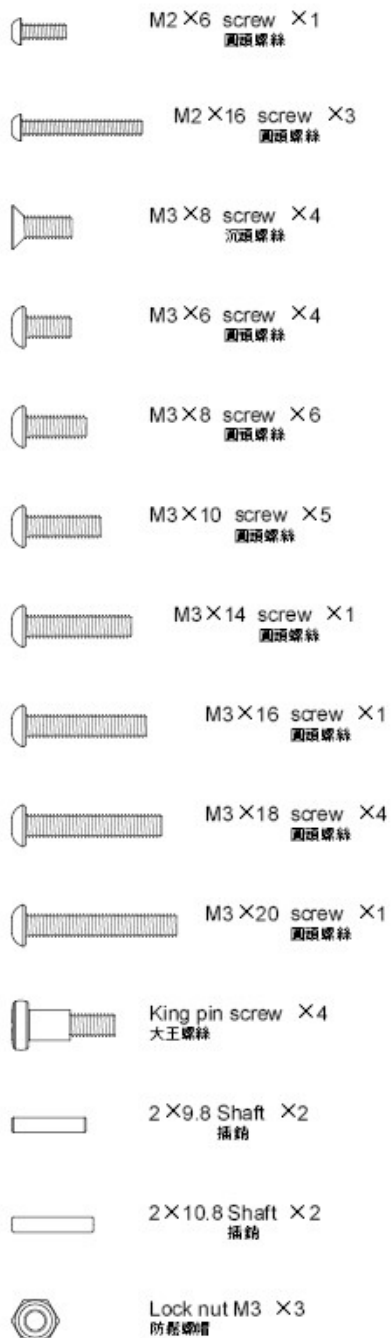
※ Please set the gear ratio according to motor specifications, environments, and personal requirements.
齒比的選擇會因馬達規格、場地形態、車手手感，而有不同選擇。可先參考當地配單後再選擇齒比！

※ 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

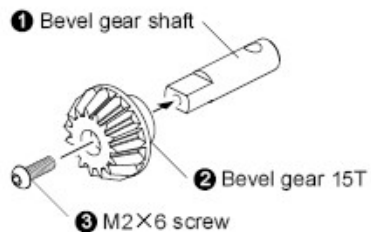
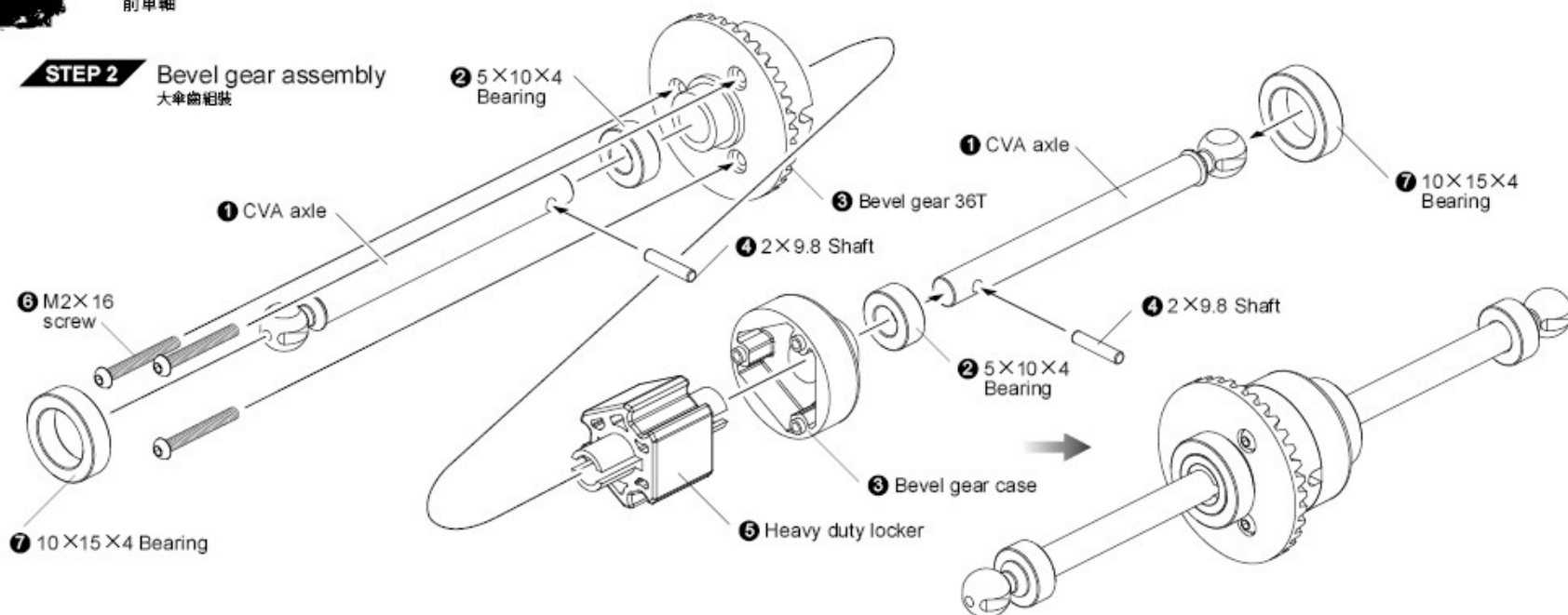
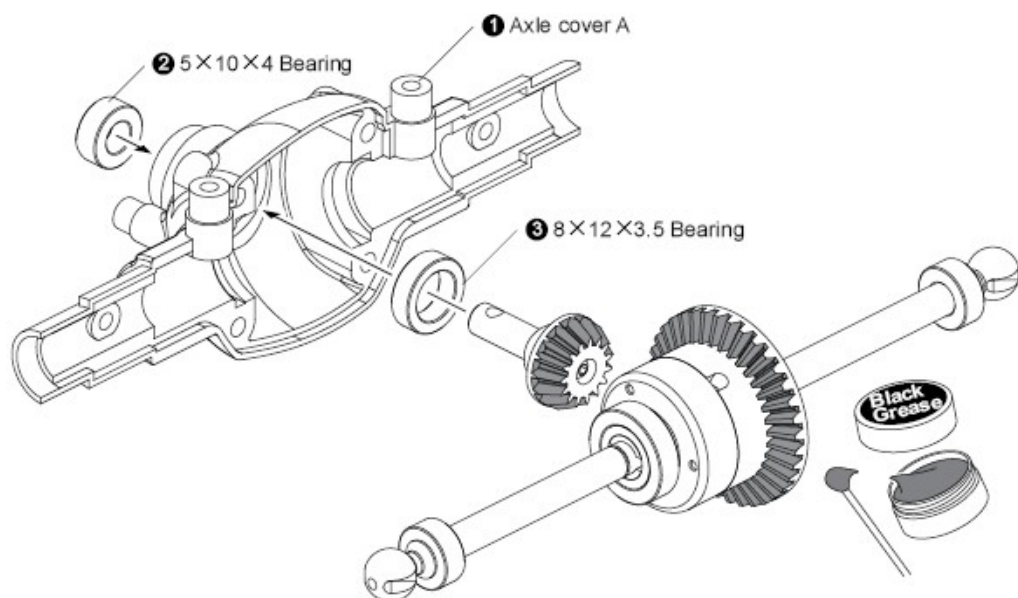
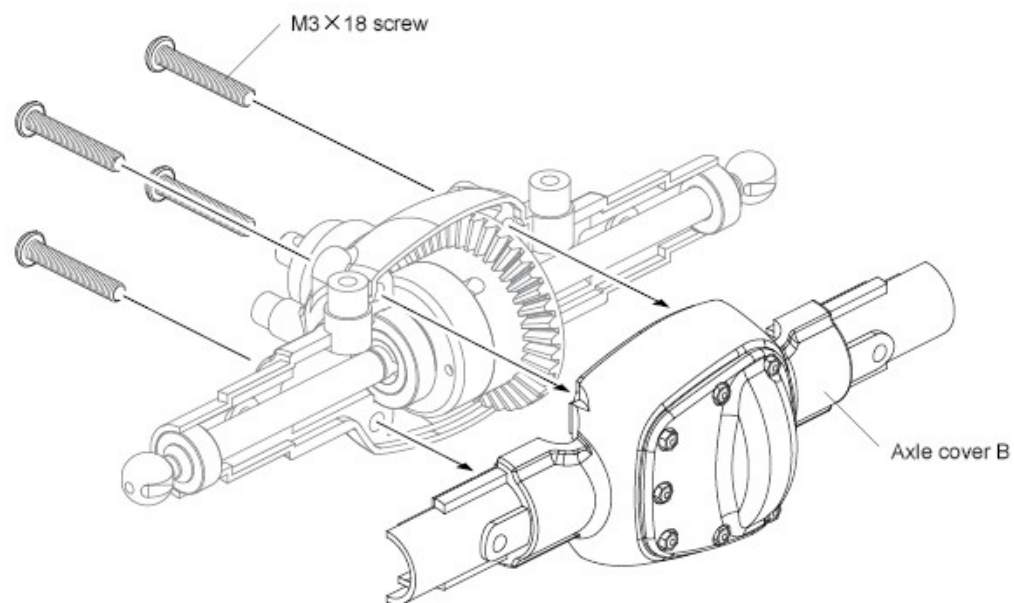
FRONT AXLE

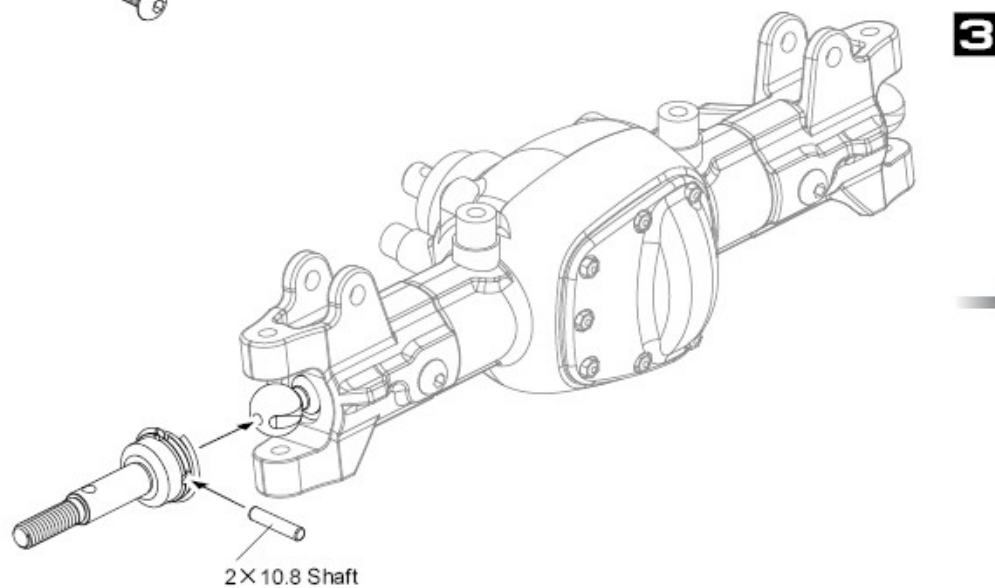
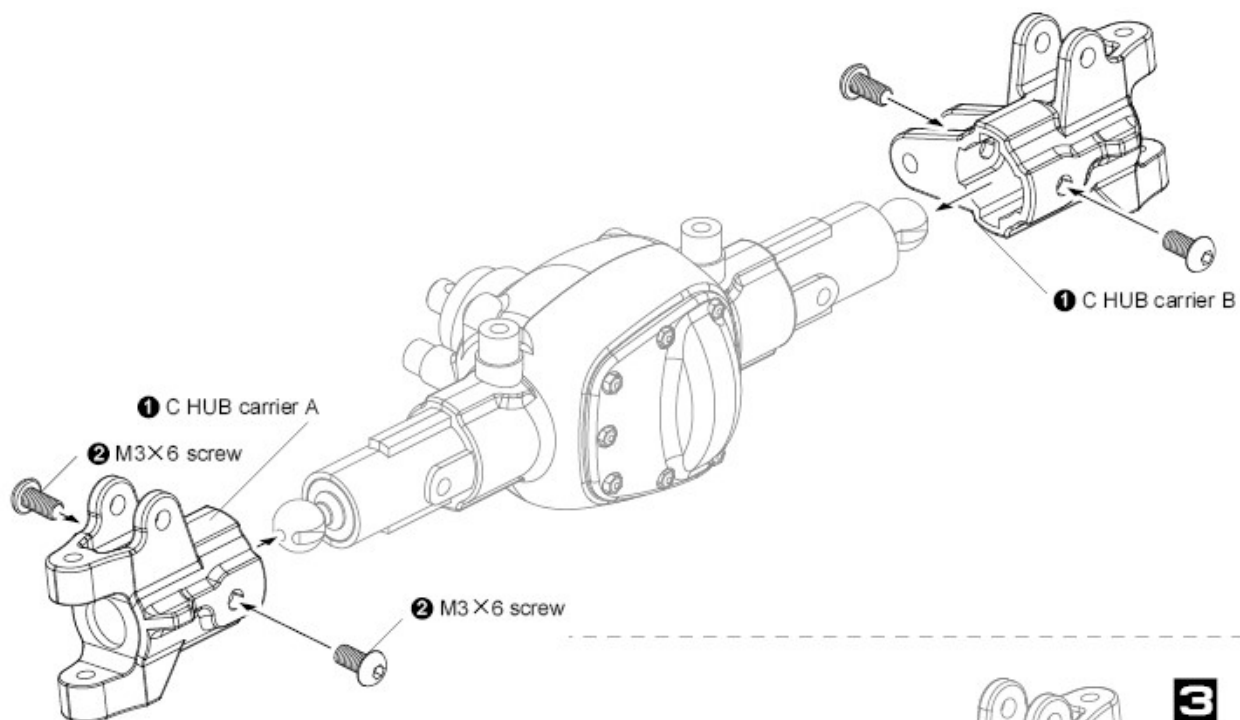
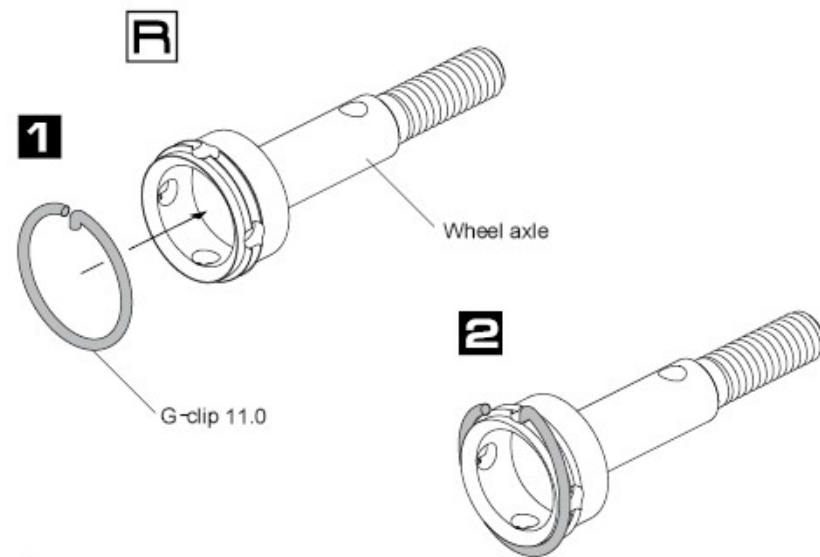
前車軸



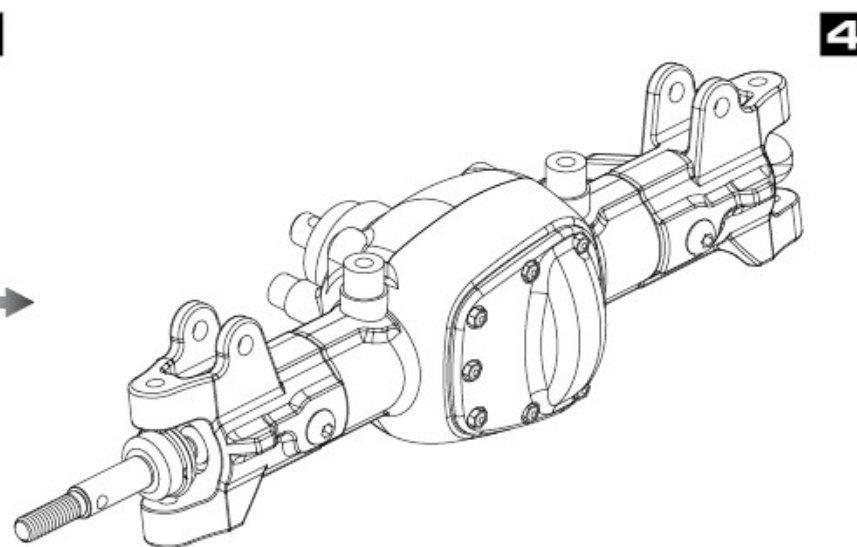
FRONT AXLE

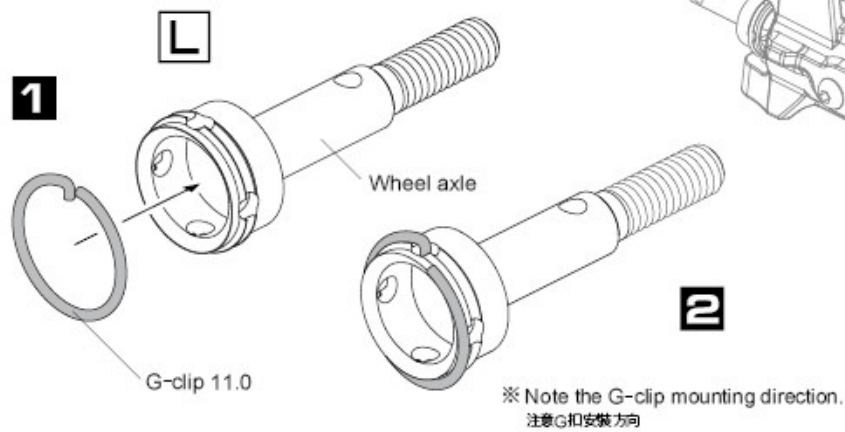
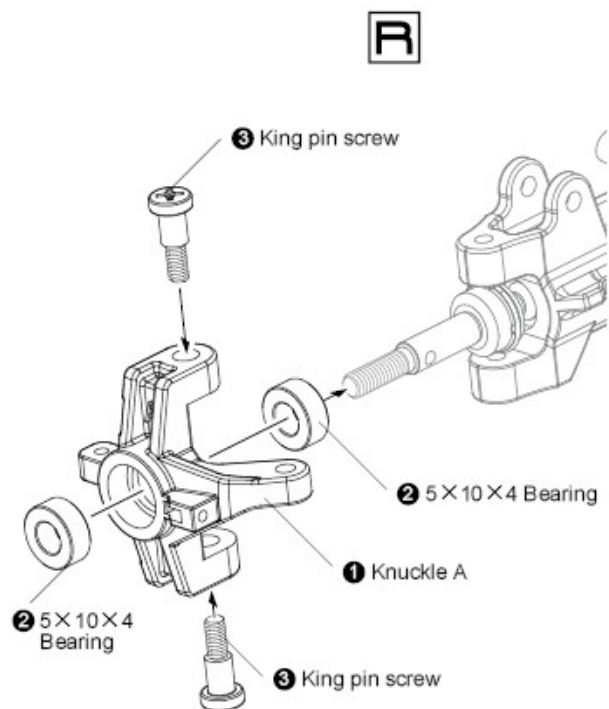
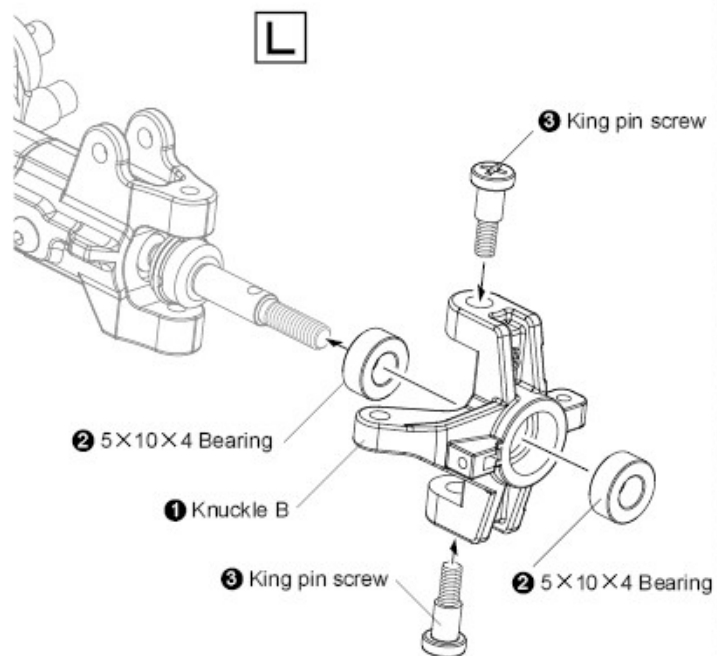
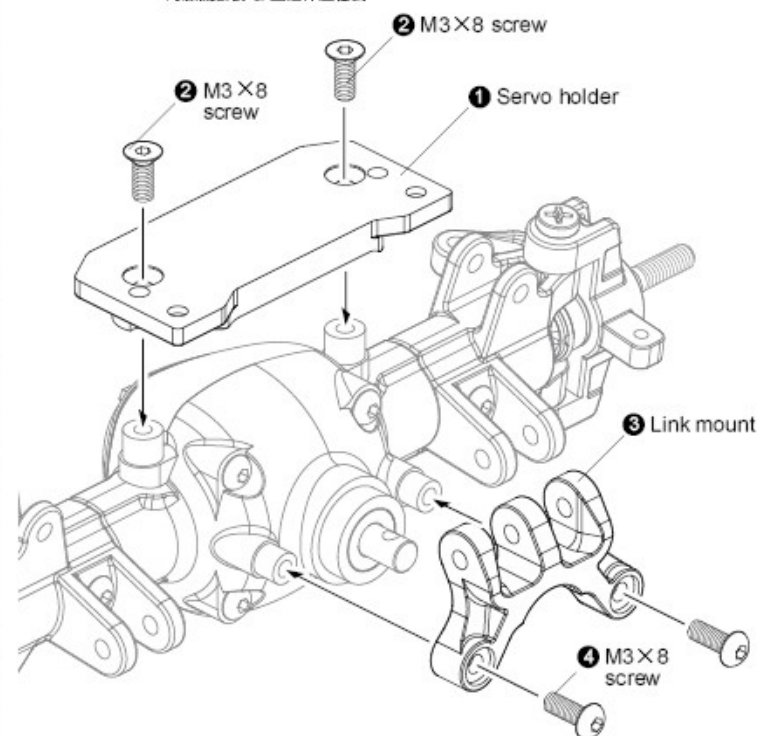
前車軸

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
車軸殼組裝

STEP 5 C HUB carrier assembly
C座組裝

STEP 6 Wheel axle assembly
萬向接杆組裝


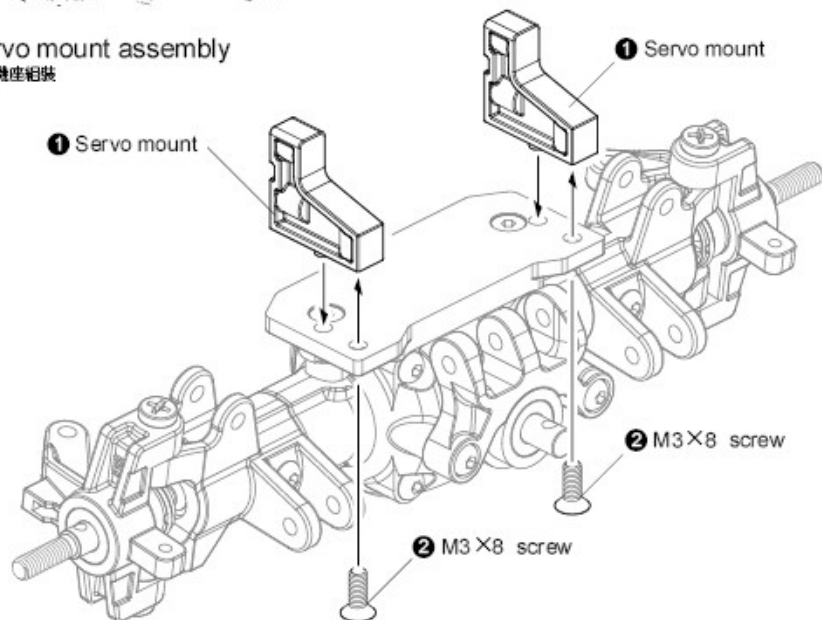
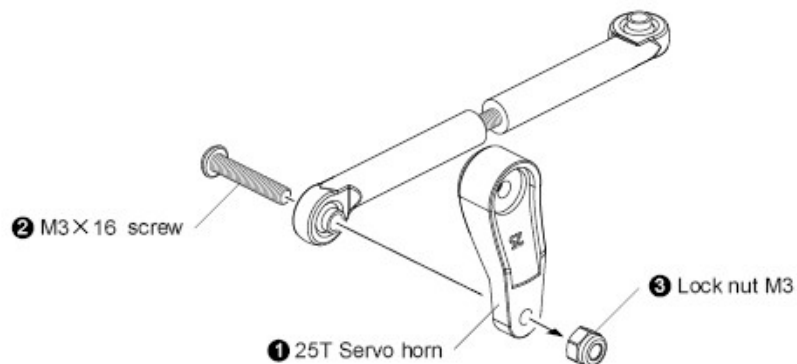
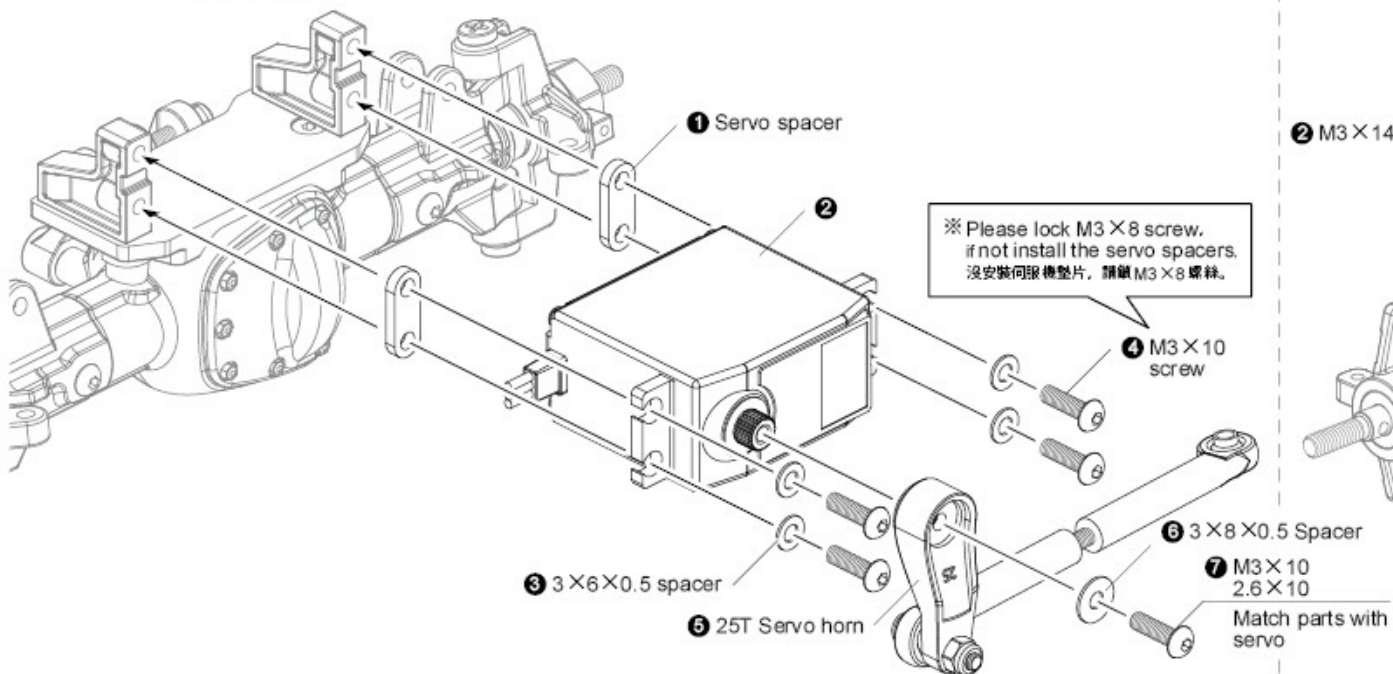
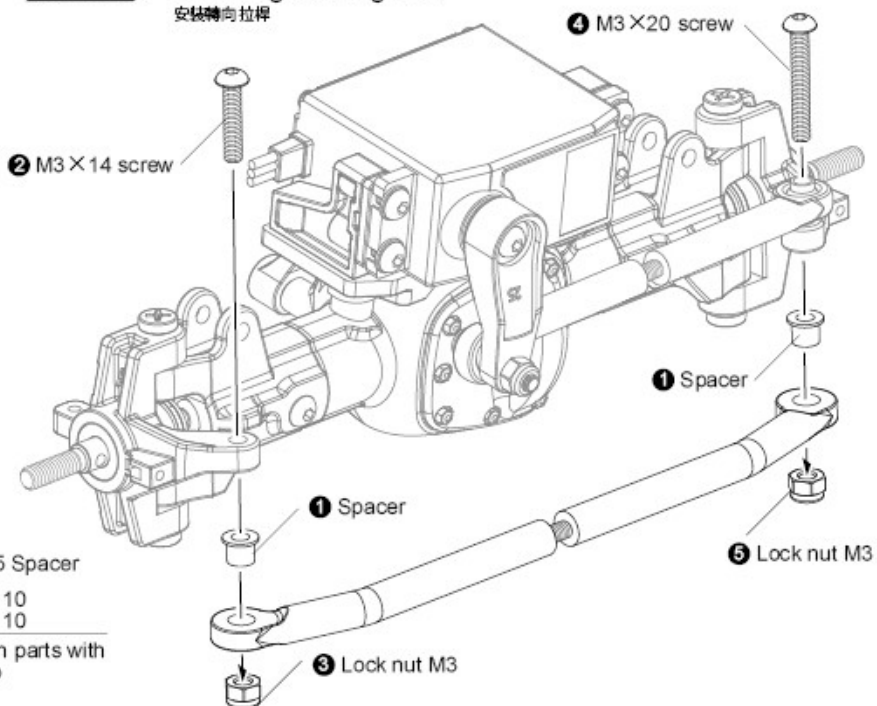
※ Note the G-dip mounting direction.
注意G扣安裝方向



STEP 7 Wheel axle assembly
萬向接杆組裝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

FRONT AXLE

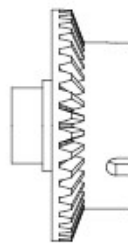
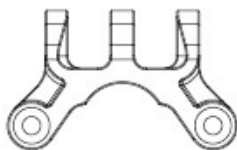
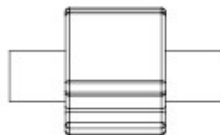
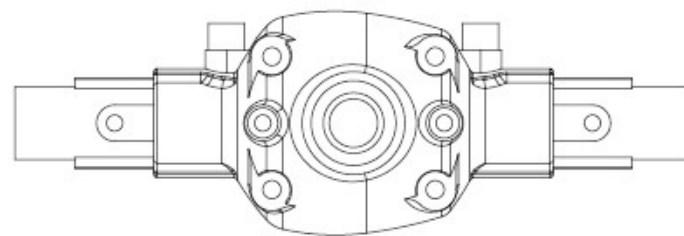
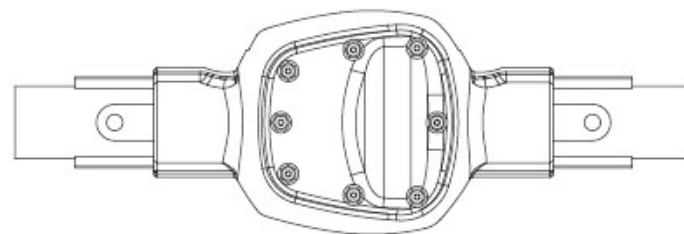
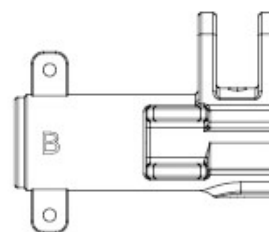
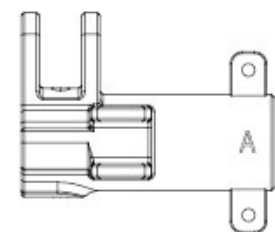
前車軸

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

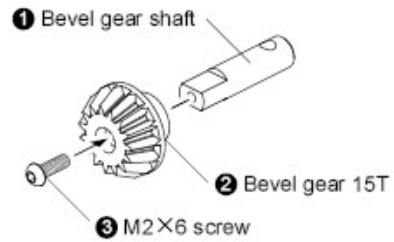
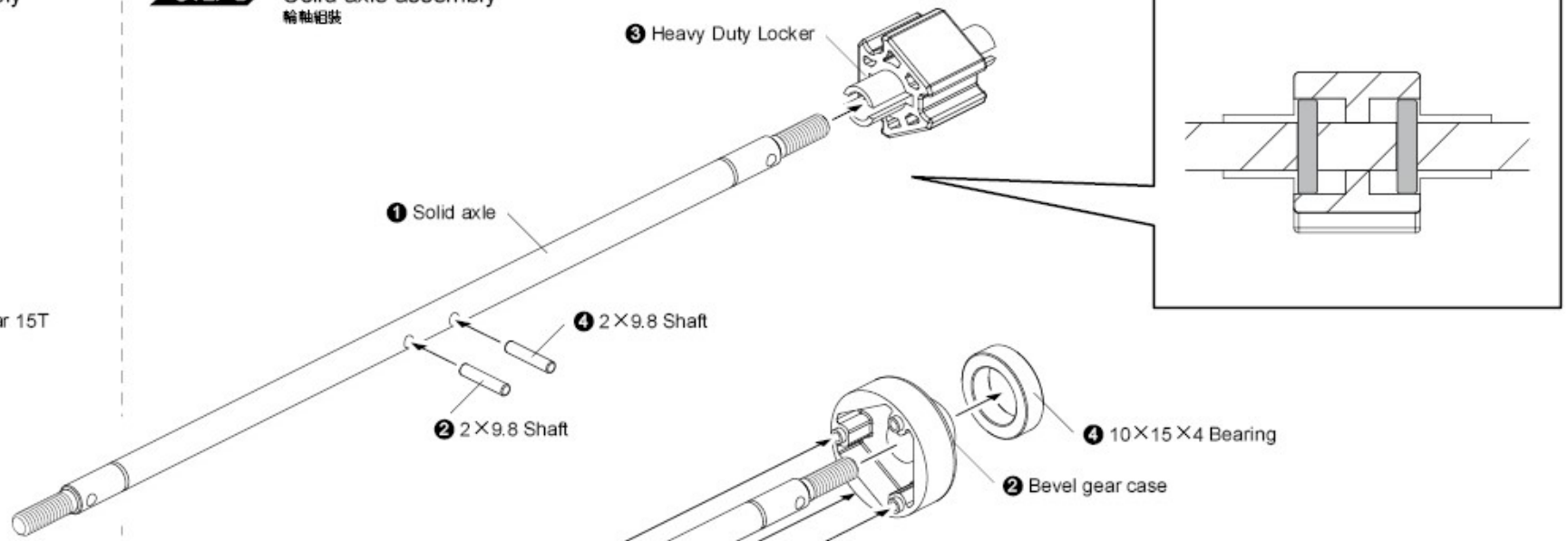
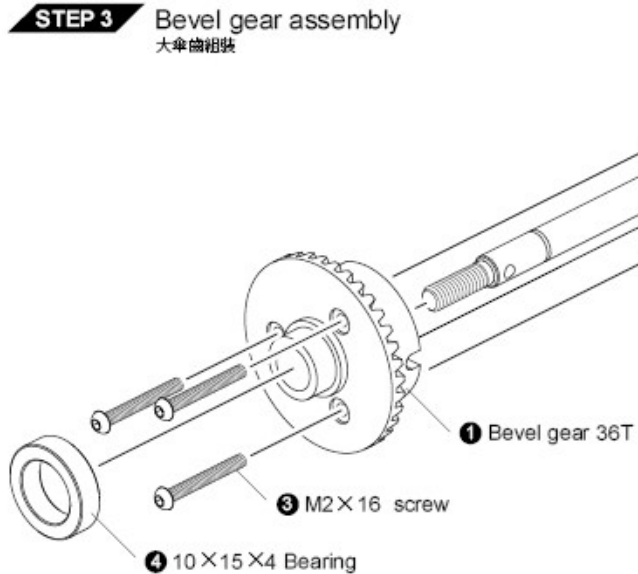
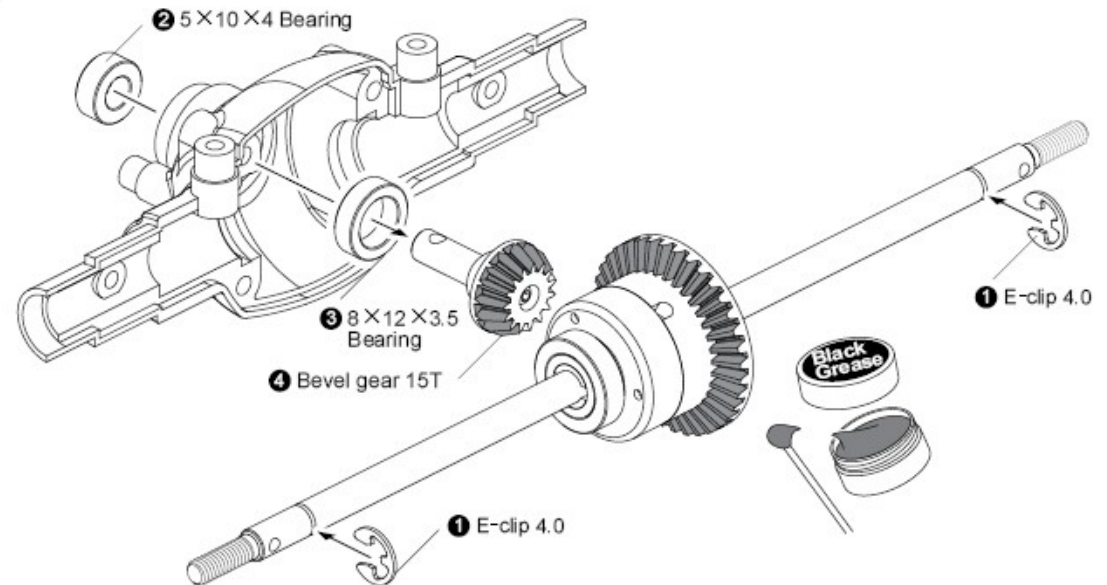
後車軸

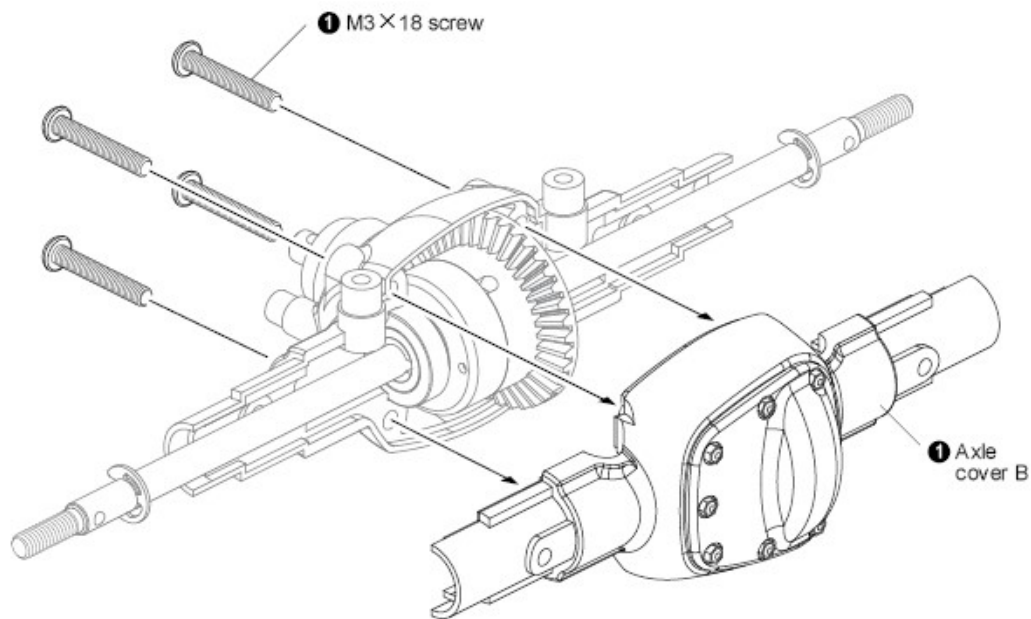
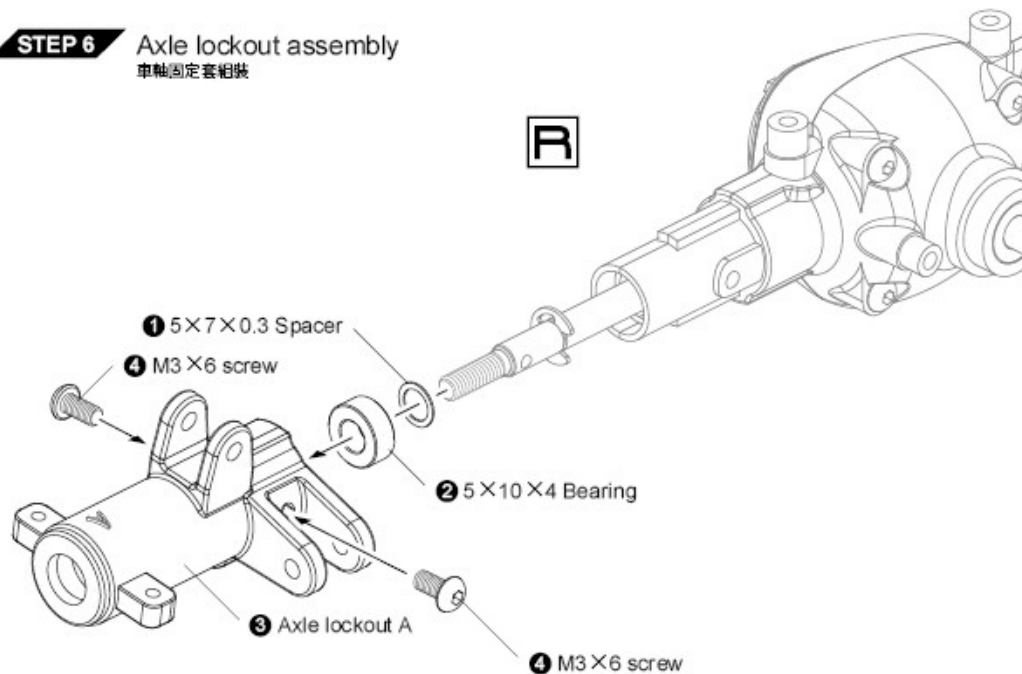
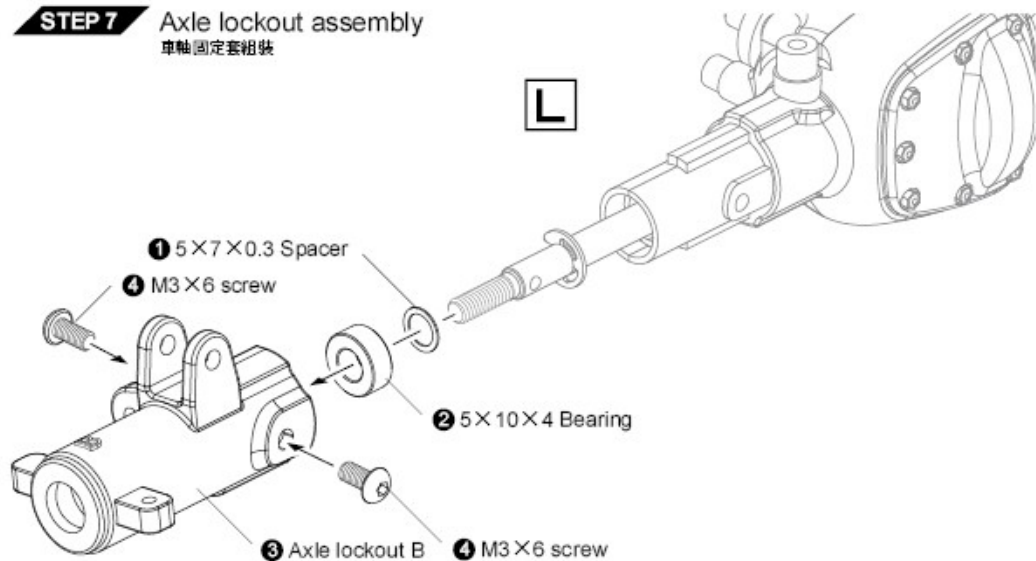
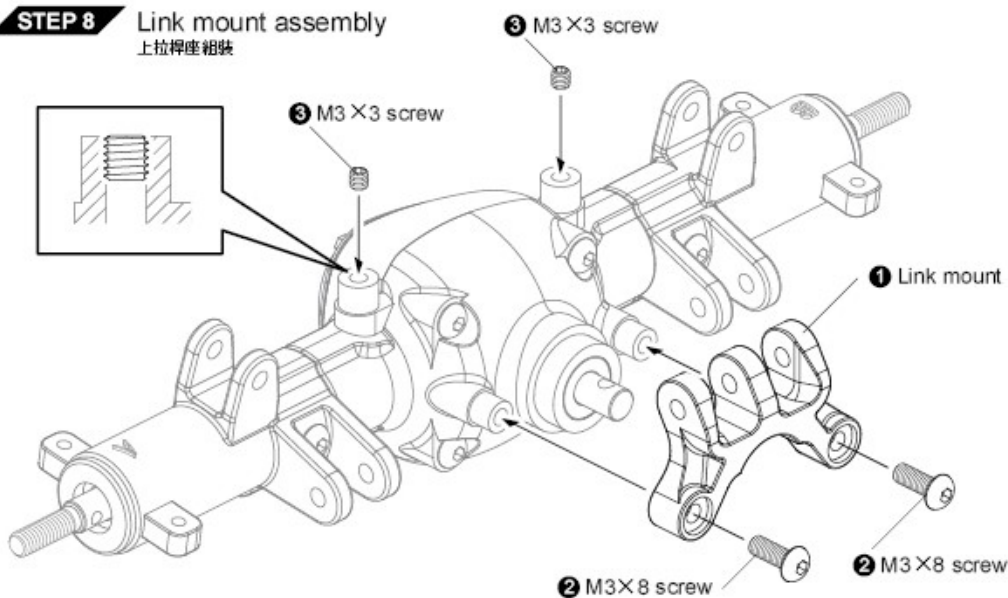
- M3×3 screw ×2
止付螺絲
- M2×6 screw ×1
圓頭螺絲
- M2×16 screw ×3
圓頭螺絲
- M3×6 screw ×4
圓頭螺絲
- M3×8 screw ×2
圓頭螺絲
- M3×18 screw ×4
圓頭螺絲
- 2×9.8 Shaft ×2
插銷
- Bevel gear shaft ×1
傘齒軸
- M5×7×0.3 spacer ×2
墊片
- E-clip 4.0 ×2
E扣
- 5×10×4 Bearing ×3
軸承
- 8×12×3.5 Bearing ×1
軸承
- 10×15×4 Bearing ×2
軸承

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
齒輪連接座Axle cover A ×1
車軸殼 AAxle cover B ×1
車軸殼 BAxle lockout B ×1
車軸固定套 BAxle lockout A ×1
車軸固定套 ASolid 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 X6
防鬆螺帽

M3X18 screw X4
圓頭螺絲

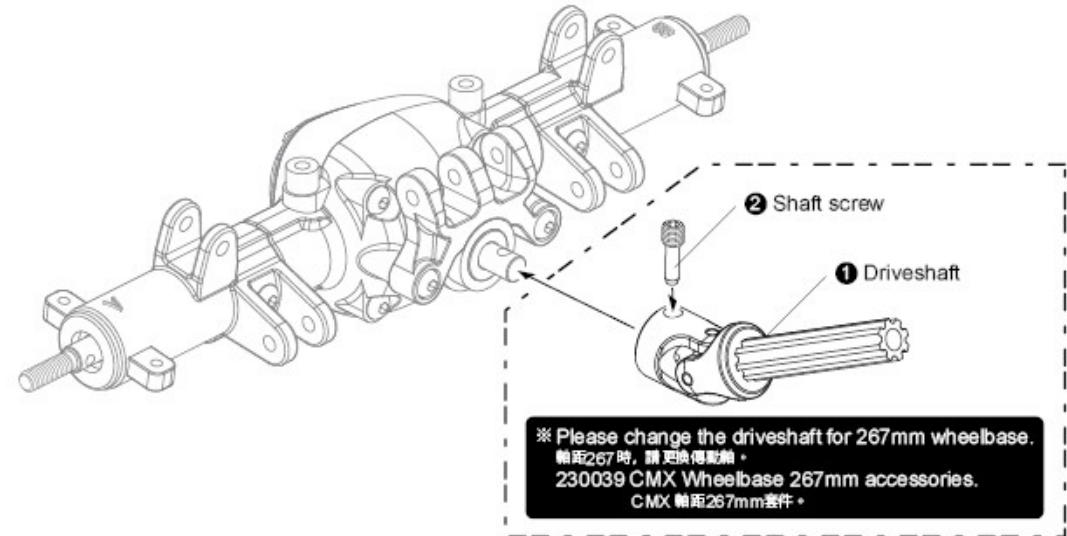
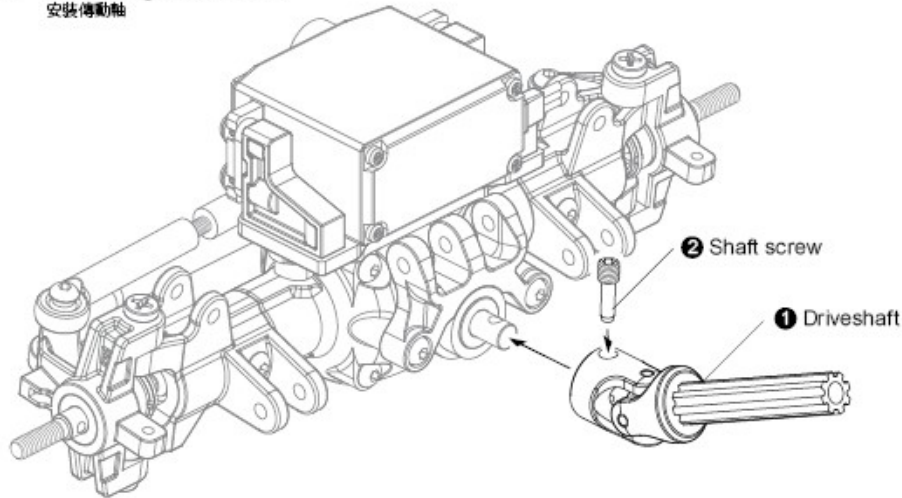
Shaft screw X4
鉋釘螺絲

M3X30 screw X2
圓頭螺絲



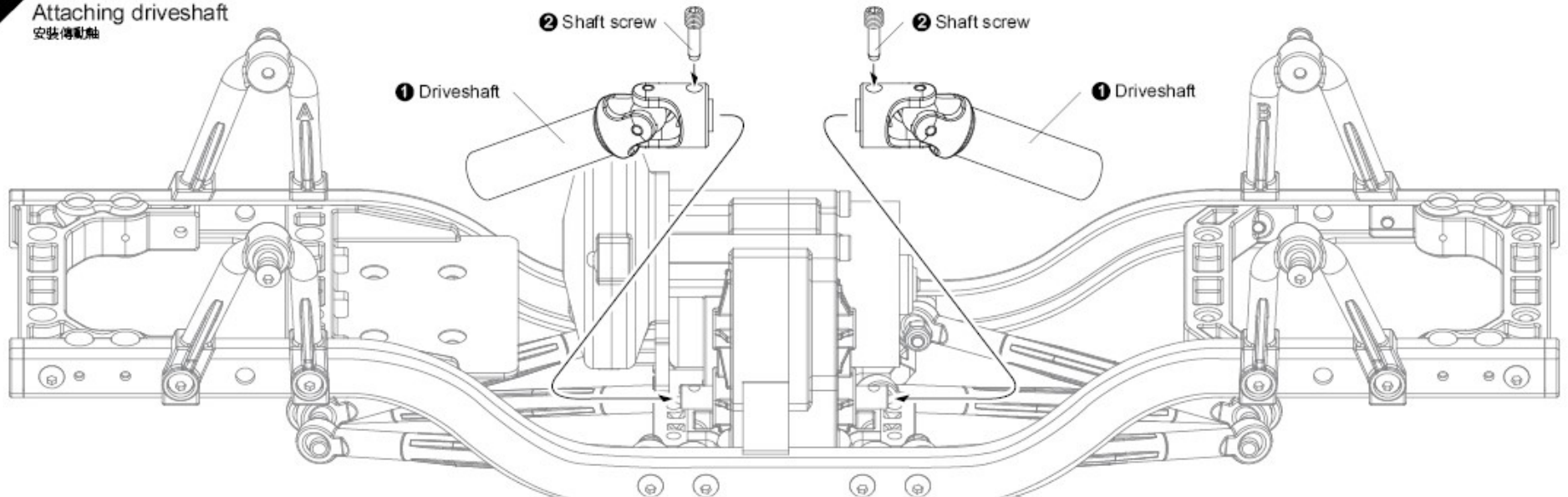
Driveshaft X2
傳動軸

STEP 1 Attaching driveshaft
安裝傳動軸



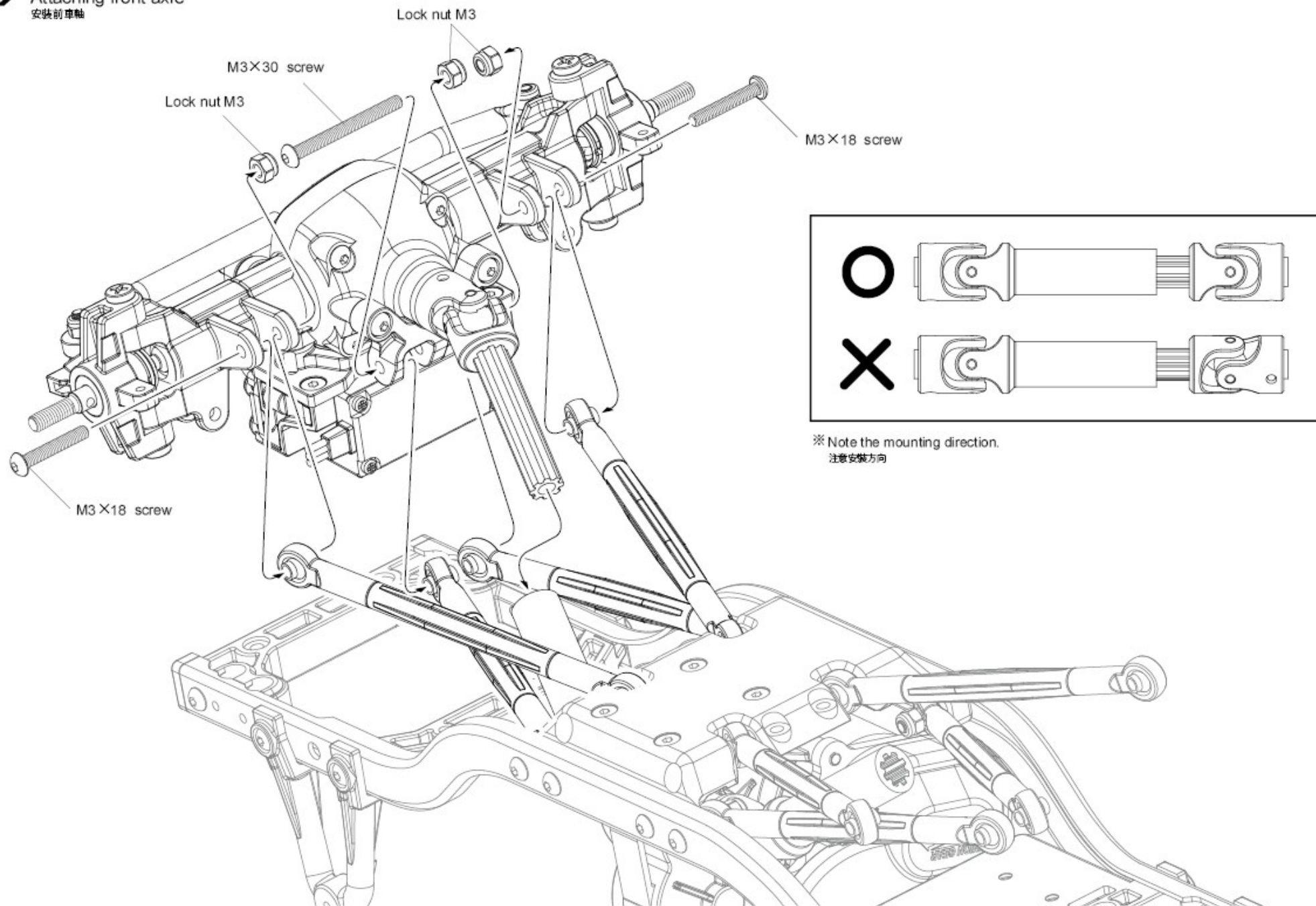
※ Please change the driveshaft for 267mm wheelbase.
輪距267時，請更換傳動軸。
230039 CMX Wheelbase 267mm accessories.
CMX 輪距267mm零件。

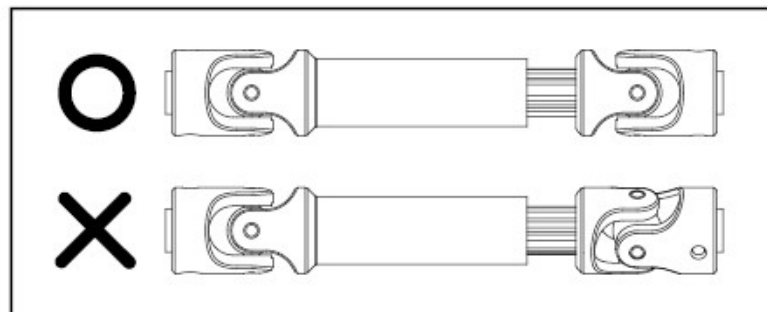
STEP 2 Attaching driveshaft
安裝傳動軸



STEP 3 Attaching front axle

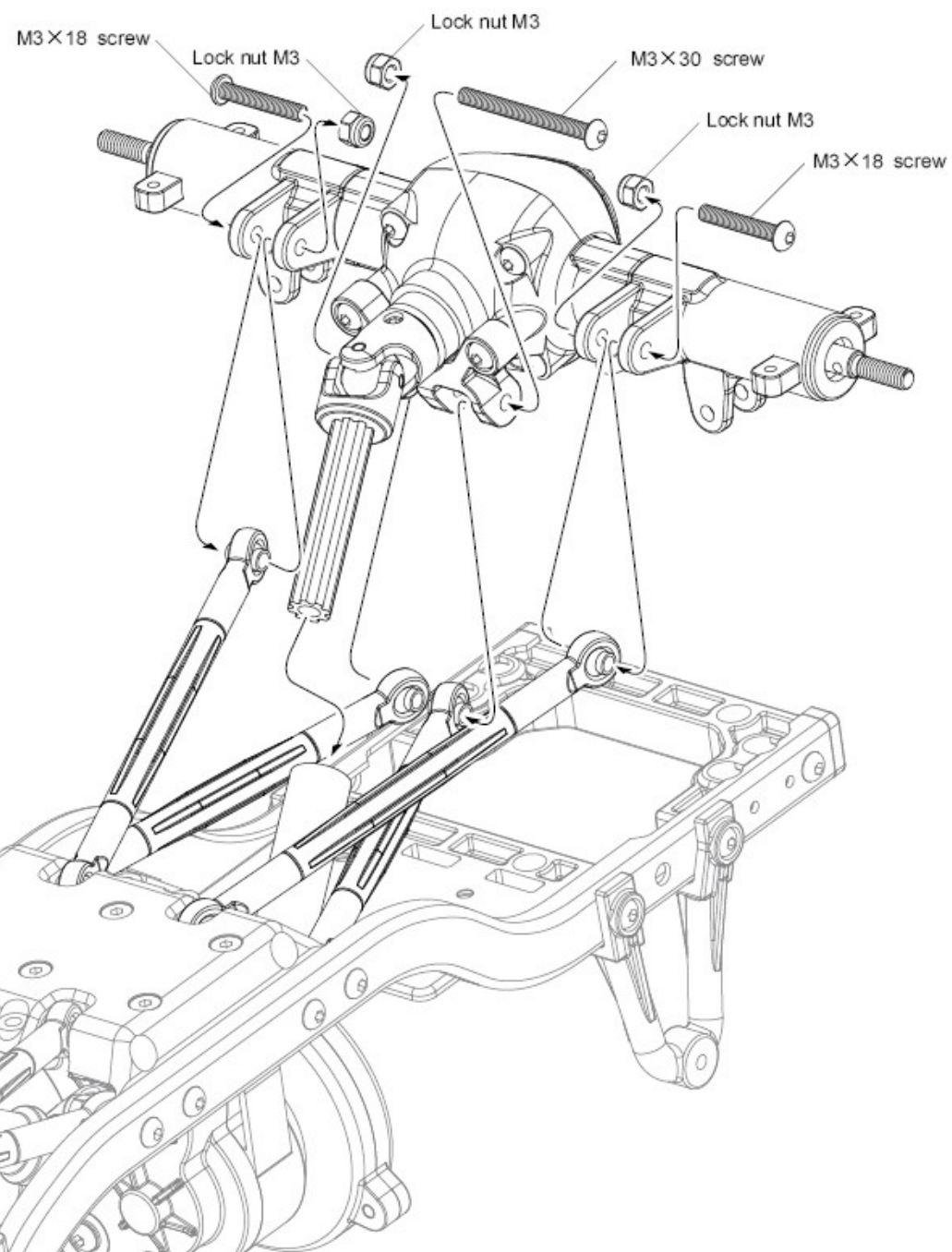
安裝前車軸



STEP 4 Attaching rear axle
 安裝後車軸


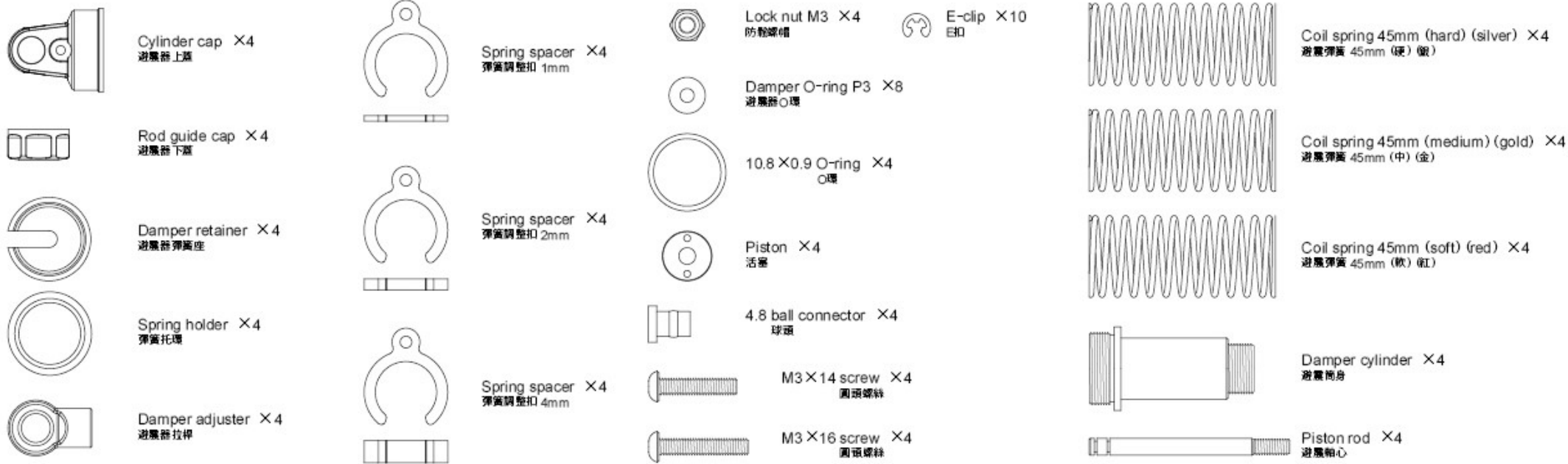
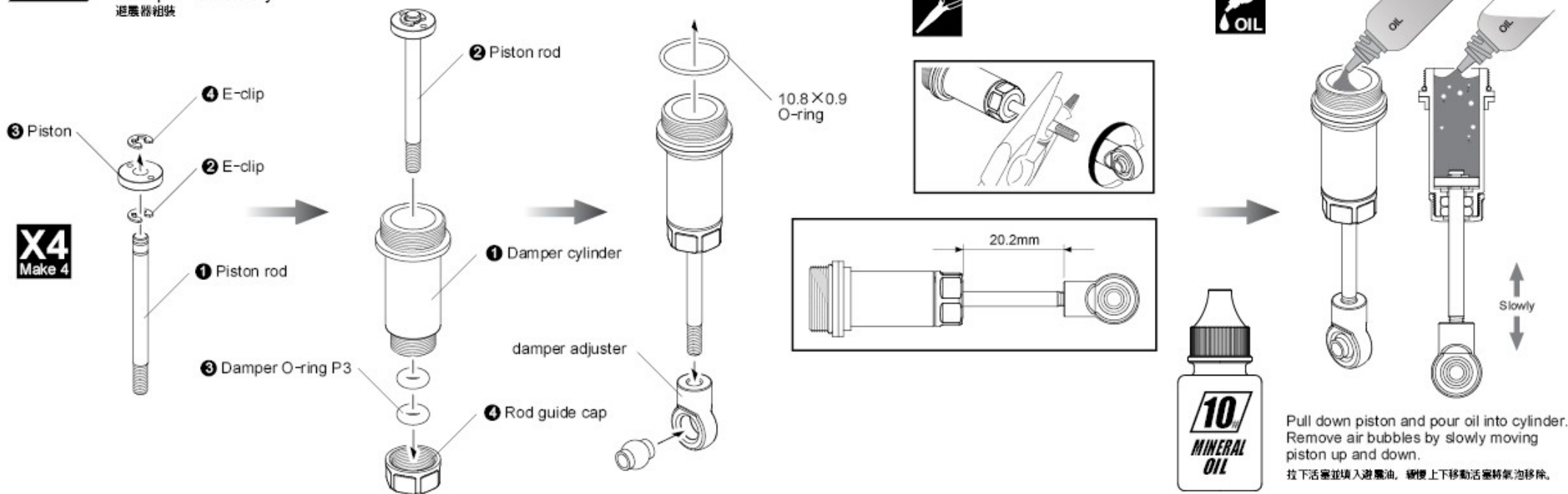
※ Note the mounting direction.
 注意安裝方向

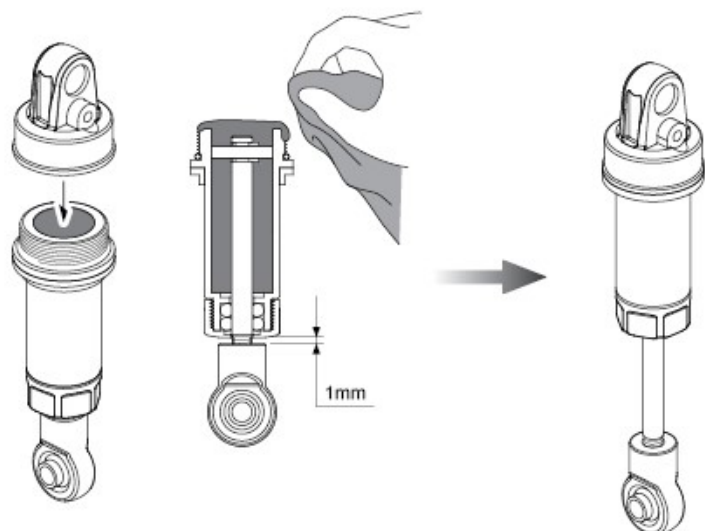
※ Please change the driveshaft for 267mm wheelbase.
 軸距267時，請更換傳動軸。
 230039 CMX Wheelbase 267mm accessories.
 CMX 軸距267mm零件。



DAMPER

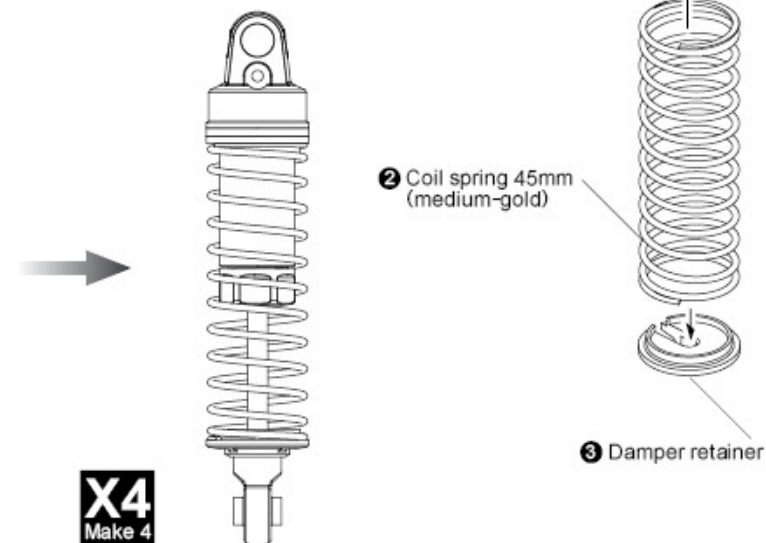
避震器

STEP 1 Damper assembly
避震器組裝

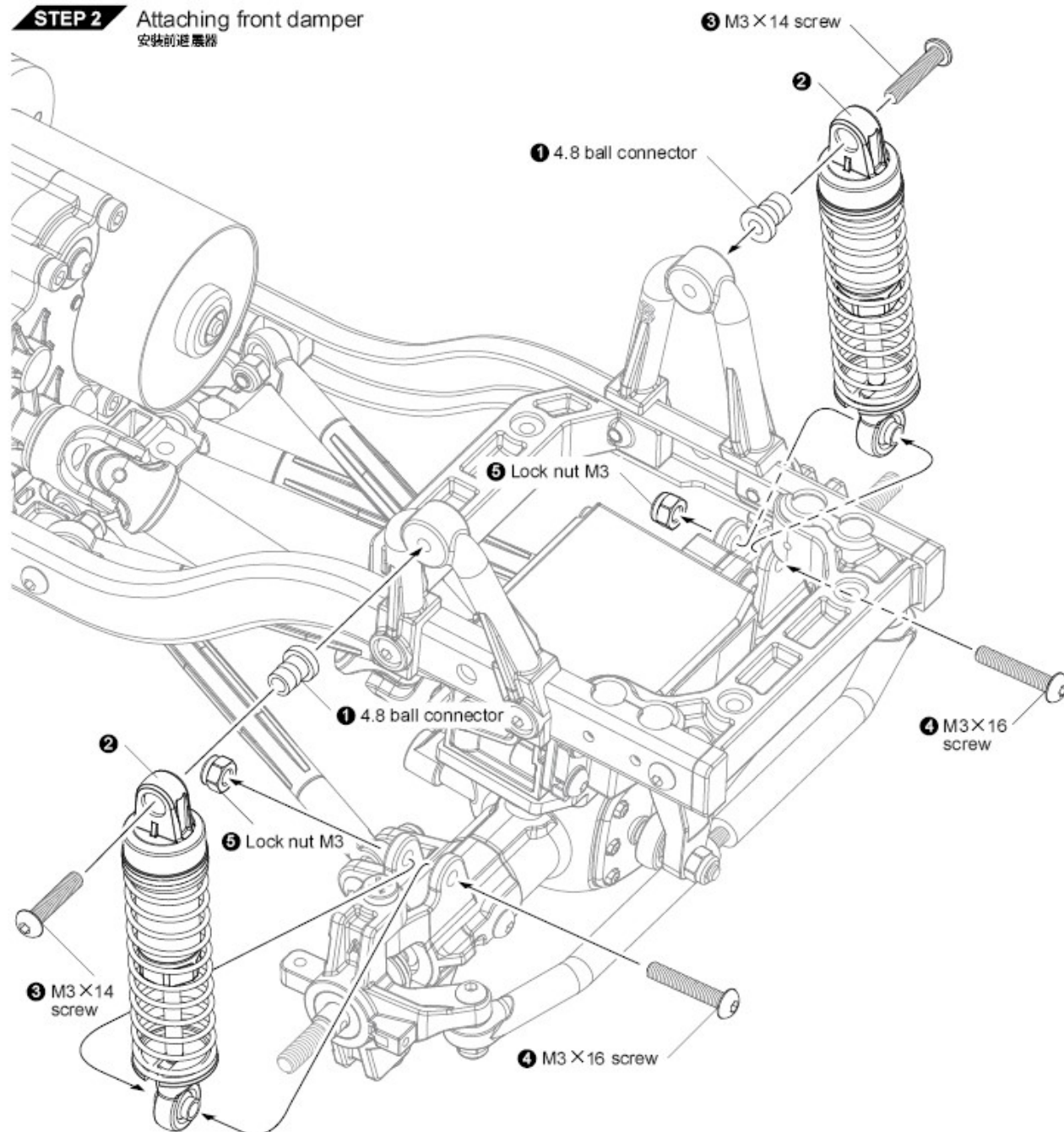
STEP 1 Damper assembly
避震器組裝

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

將軸心下拉1mm後，蓋上避震器上蓋並以面紙拭去溢出的砂油。

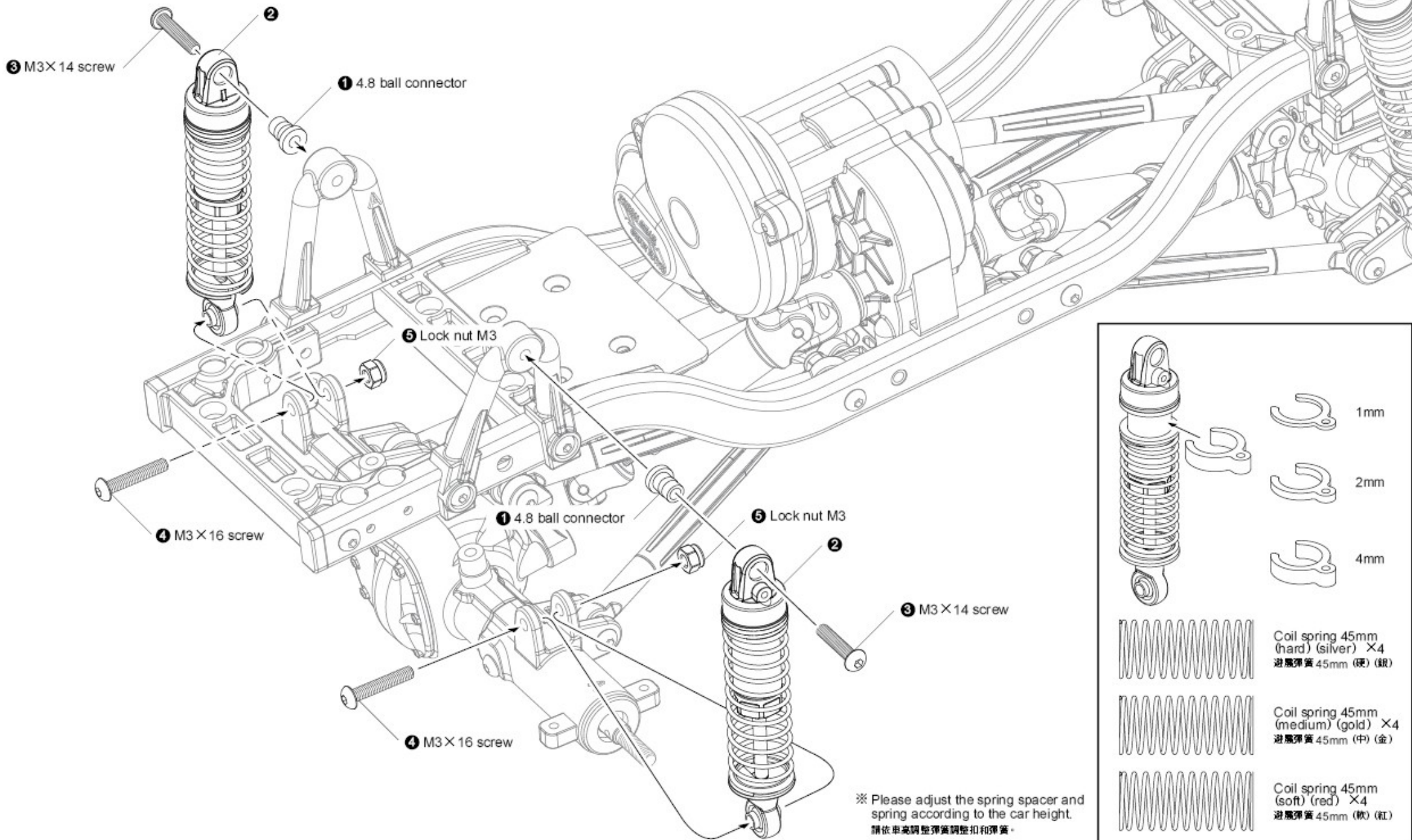


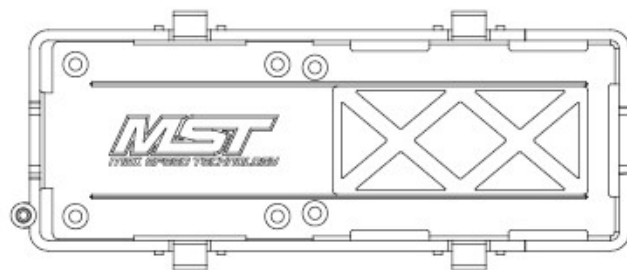
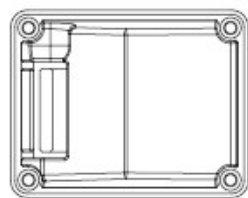
X4
Make 4

STEP 2 Attaching front damper
安裝前避震器

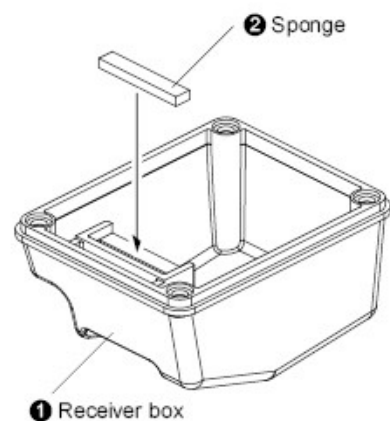
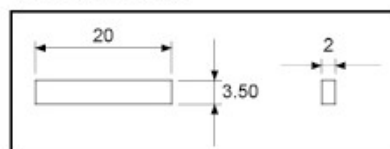
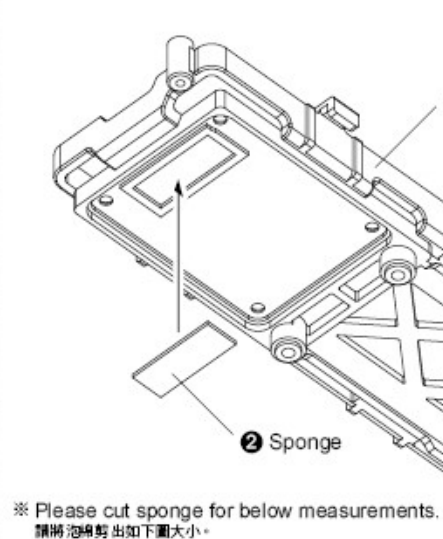
STEP 3 Attaching rear damper

安裝後避震器

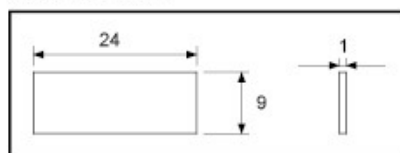
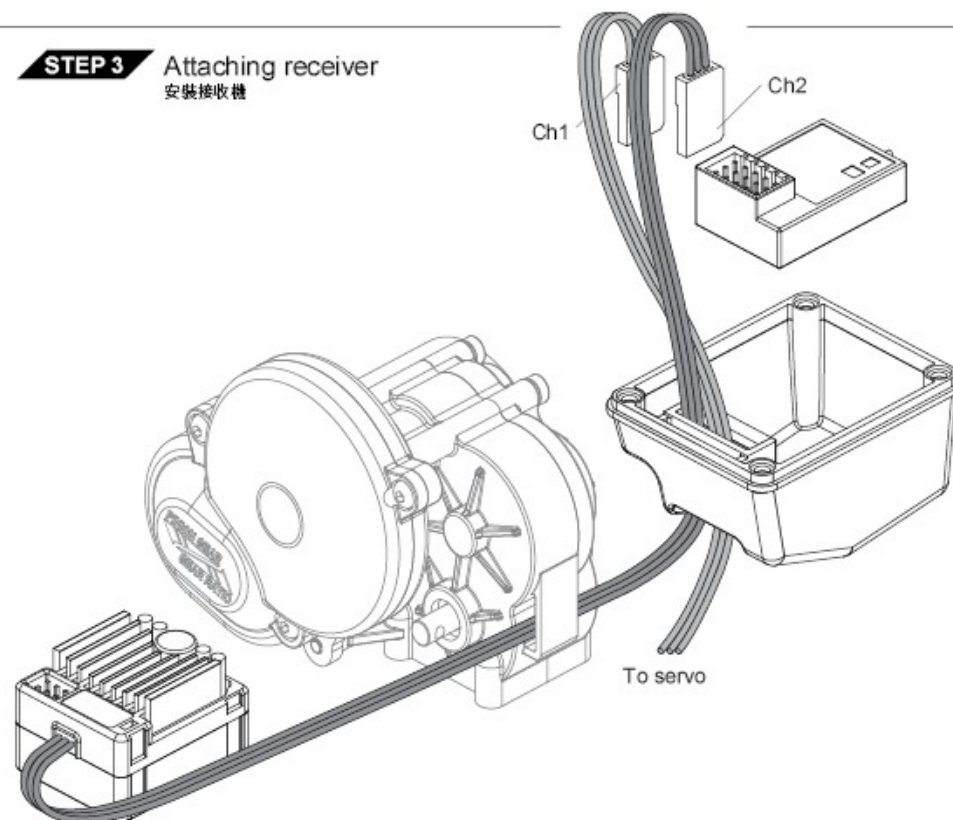


Battery Mount ×1
電池座Receiver box ×1
接收機盒60×1 O-ring ×1
O環3×1 O-ring ×4
O環M3×10 screw ×4
沉頭螺絲M3×16 screw ×2
沉頭螺絲M3×14 screw ×2
圓頭螺絲M3×25 screw ×2
圓頭螺絲20×80 Sponge
吸震泡棉Sponge
吸震泡棉**STEP 1** Attaching sponge
安裝泡棉

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

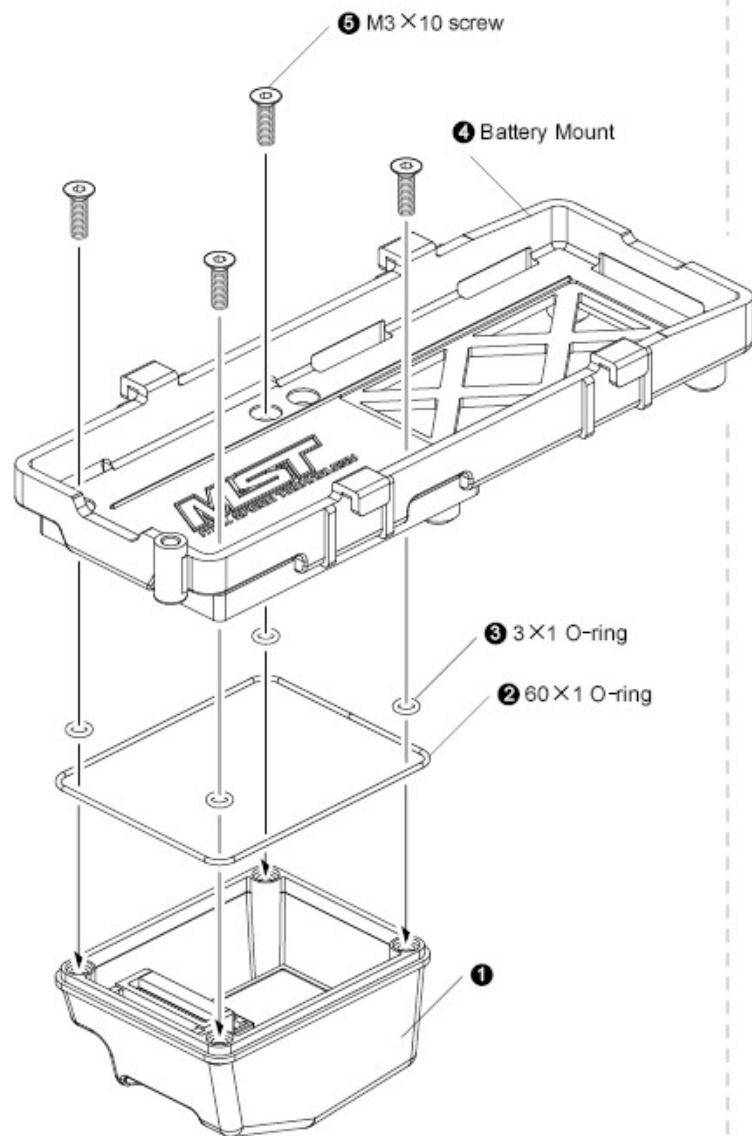
**STEP 2** Attaching sponge
安裝泡棉

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

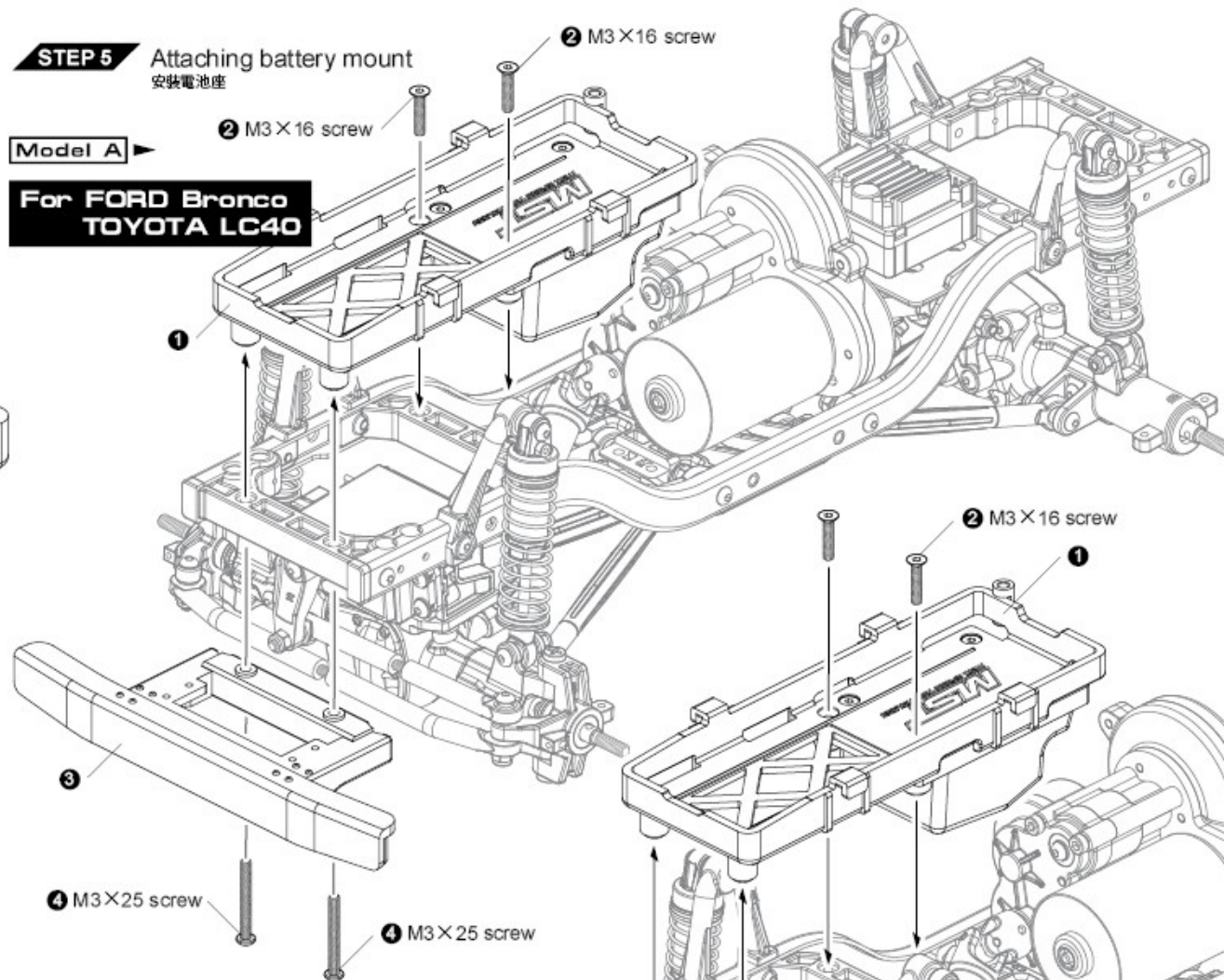
**STEP 3** Attaching receiver
安裝接收機

BATTERY MOUNT

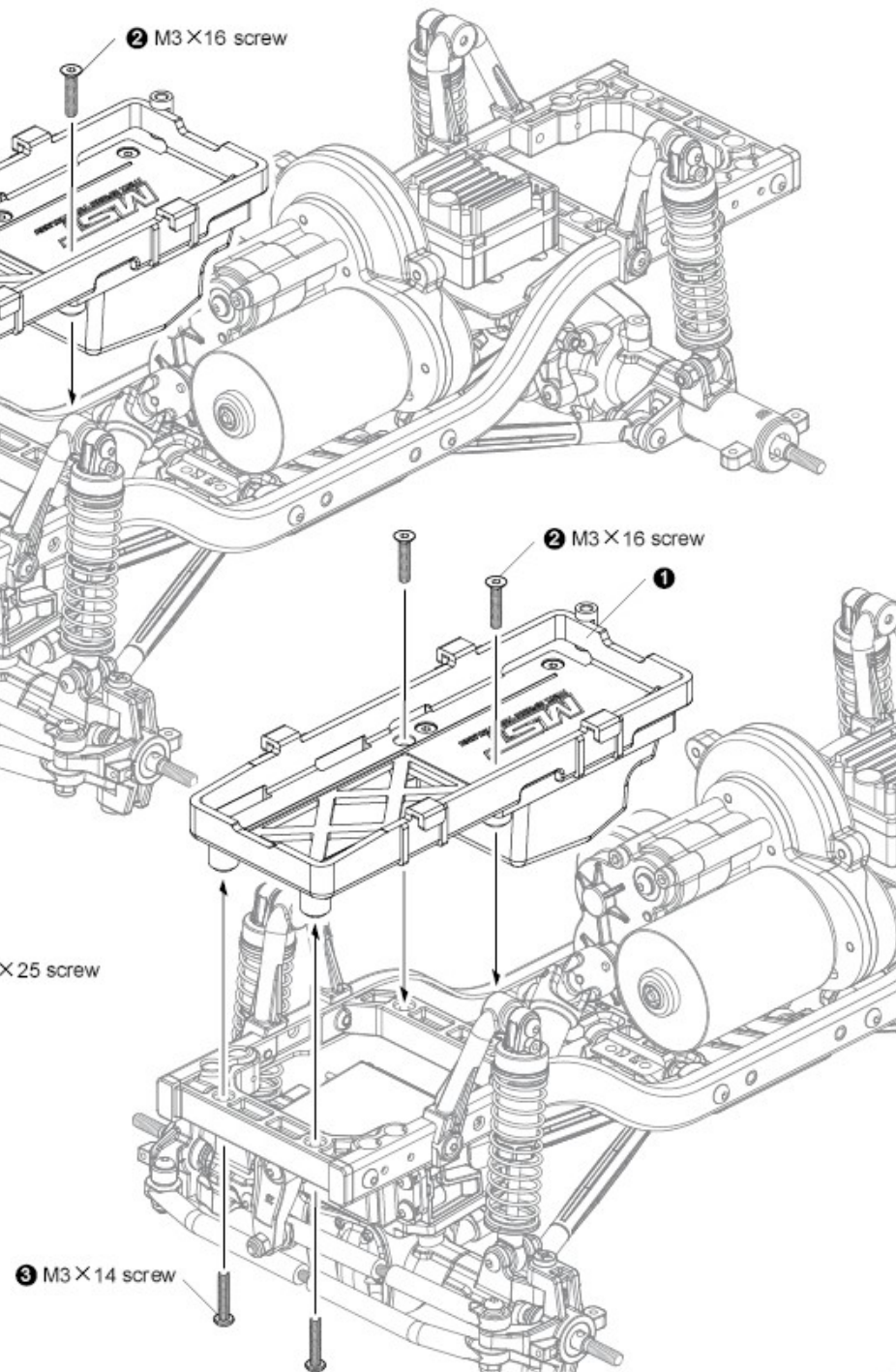
電池座, 接收機盒

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

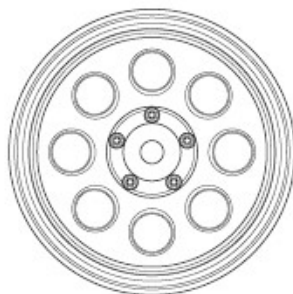
Model B ▶

For M-BENZ Unimog 406
TOYOTA FJ

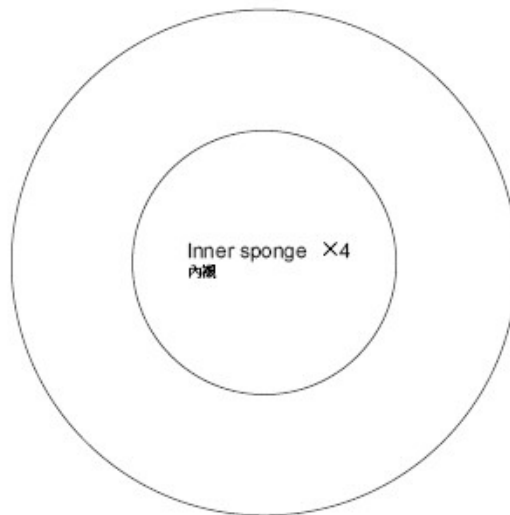
※ Please make the object as the standard.
請以實物為主。

2 X 9.8 Shaft X 4
插銷

M4 flange nut X 4
凸緣螺帽



Wheel X 4
輪框

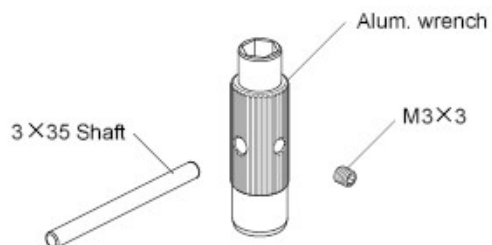


Inner sponge X 4
內襯

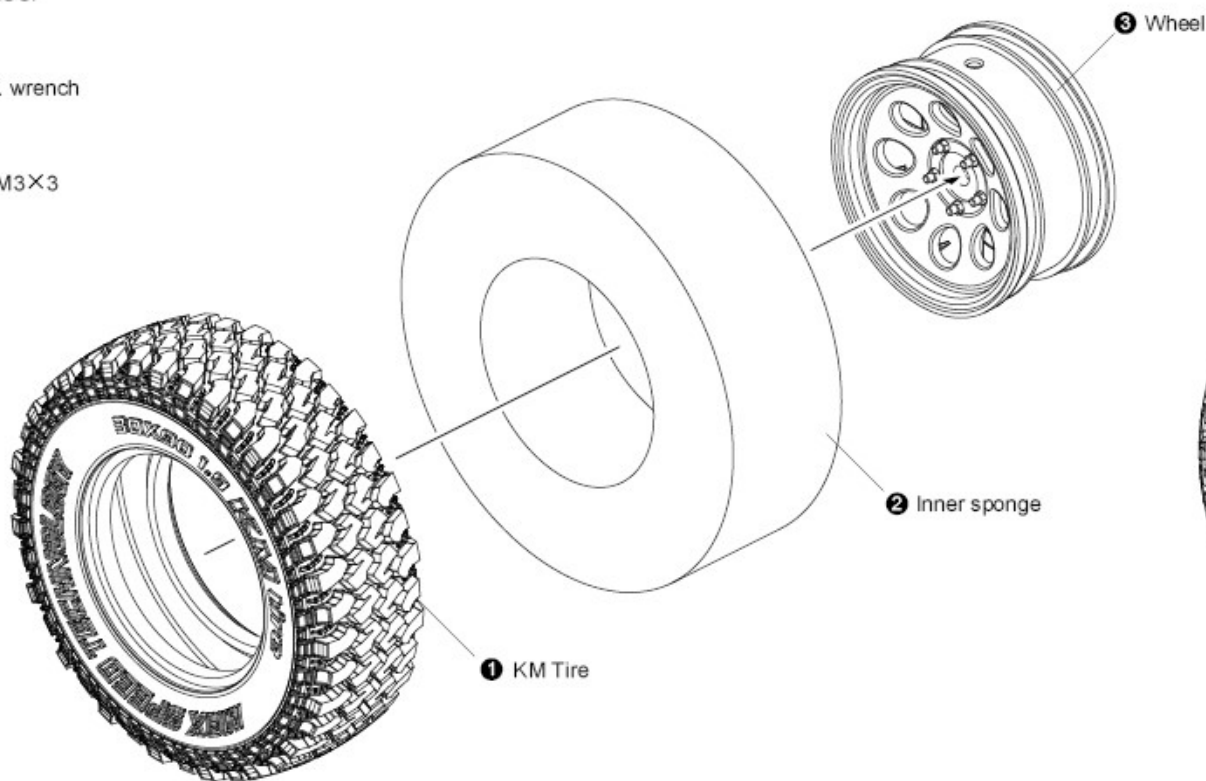


KM Crawler Tire X 4
KM 攀岩胎

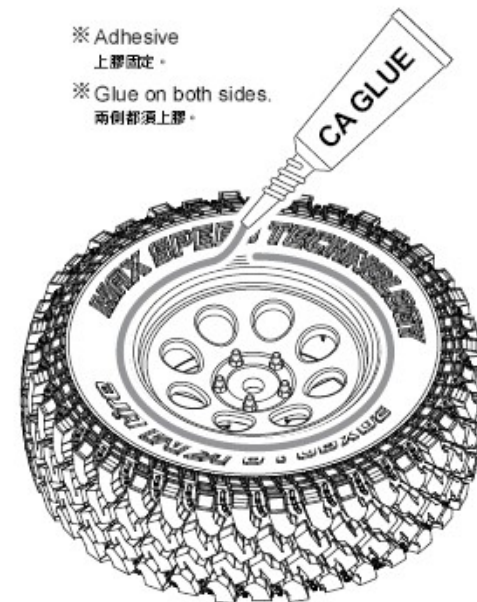
STEP 1 Assemble tire and wheel
胎框組合



X4
Make 4



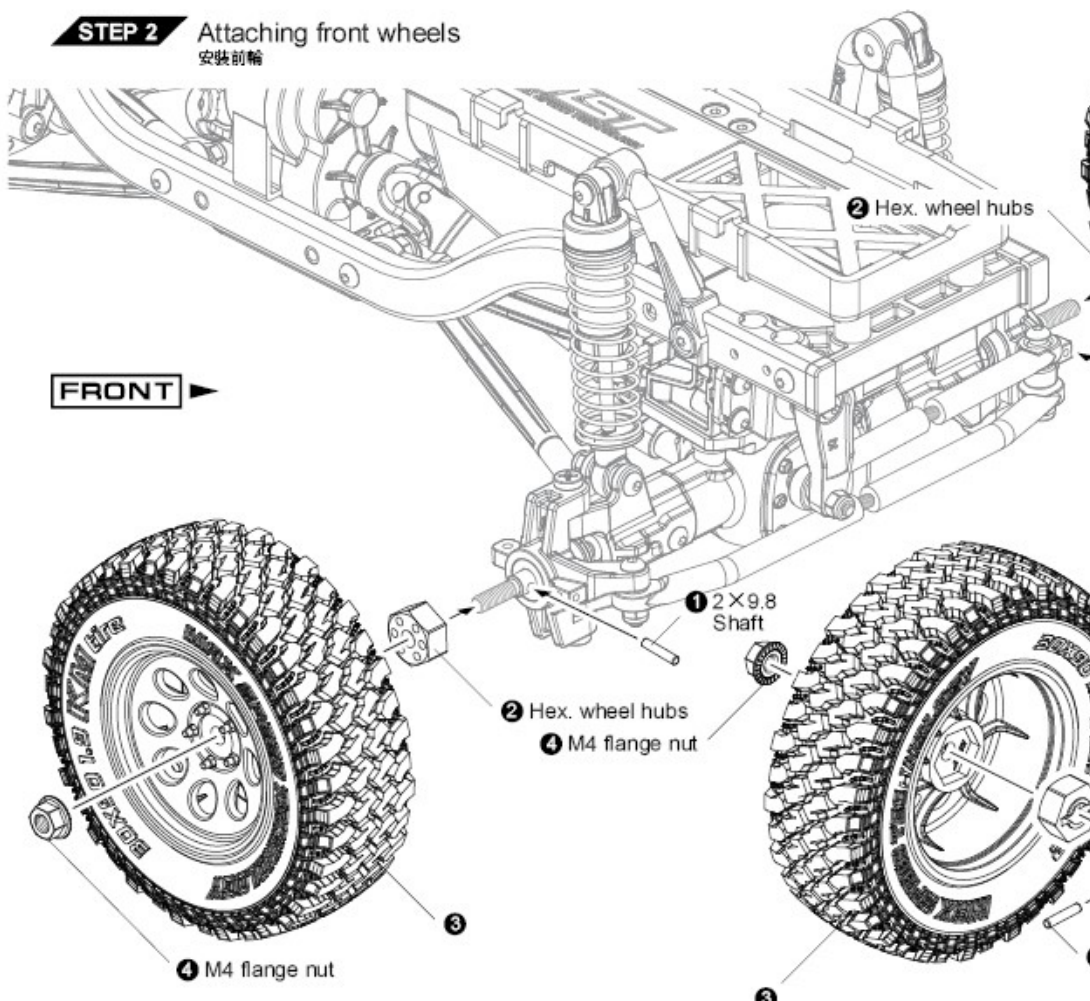
※ Adhesive
上膠固定。
※ Glue on both sides.
兩側都須上膠。



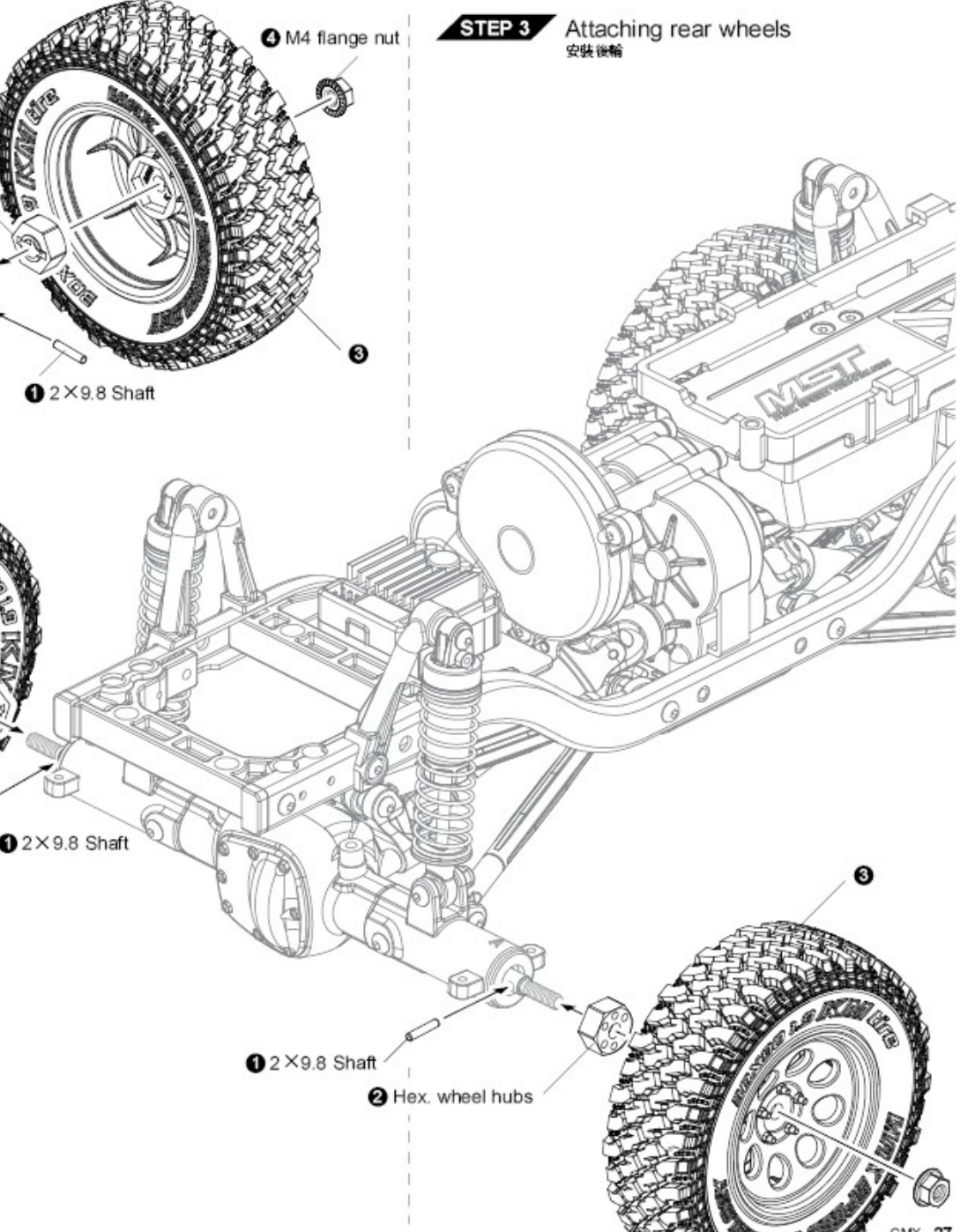
※ Please operate it at ventilated place.
請於通風處進行上膠。

WHEELS
輪胎

STEP 2 Attaching front wheels
安裝前輪

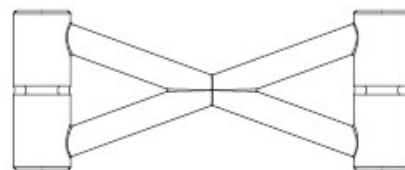


STEP 3 Attaching rear wheels
安裝後輪



BODY MOUNTS

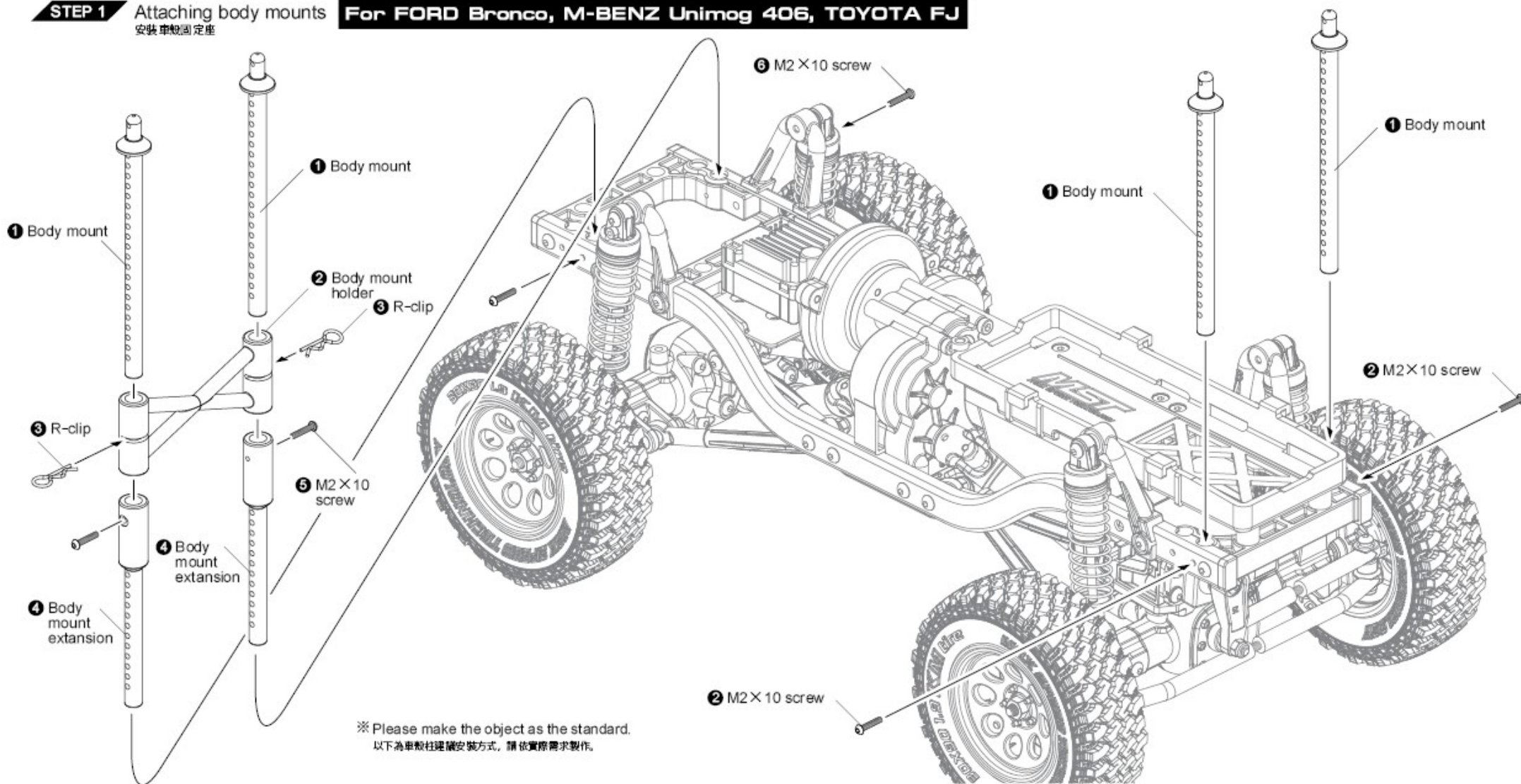
車殼固定座

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, TOYOTA FJ

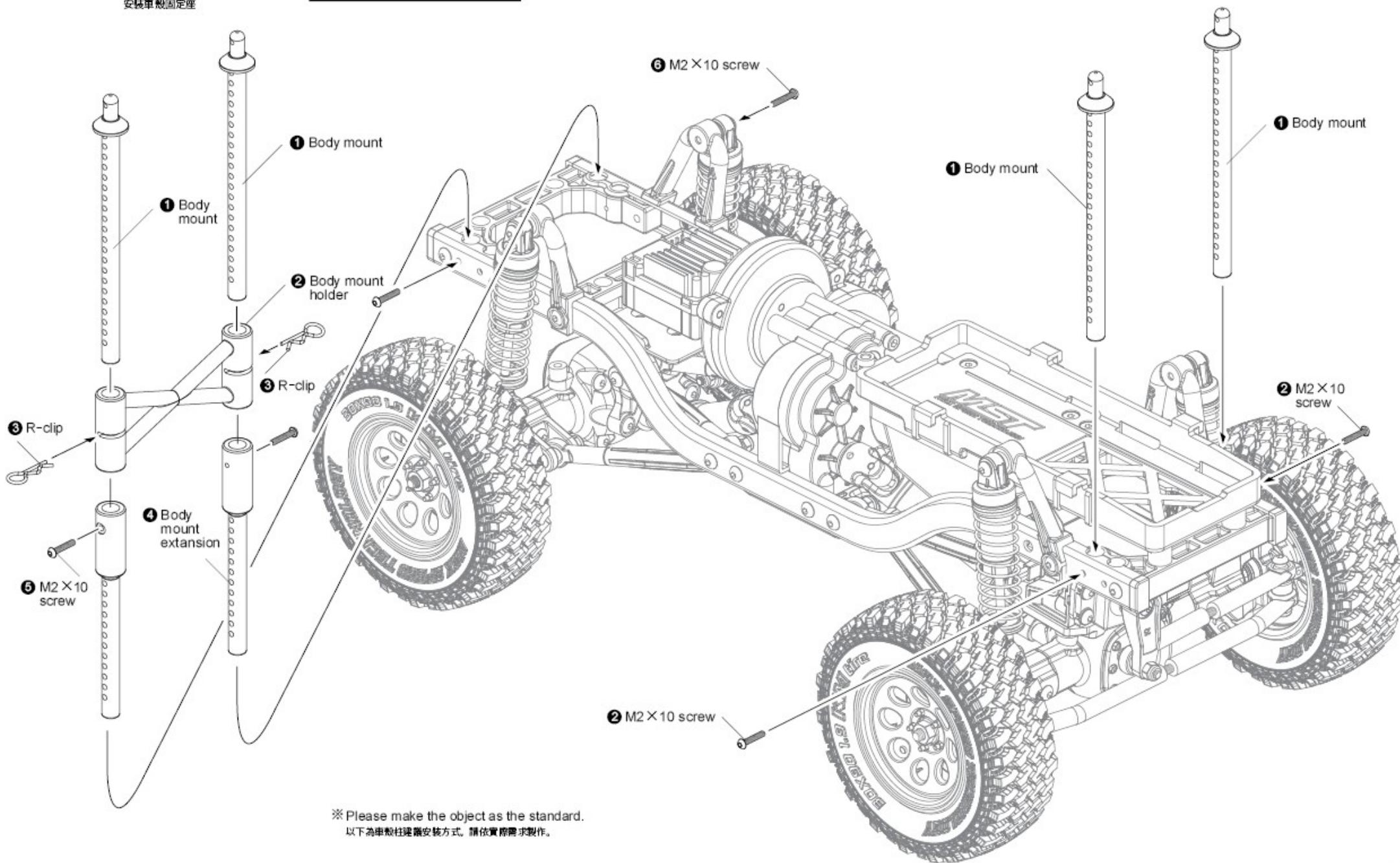


※ Please make the object as the standard.
以下為車殼柱建議安裝方式，請依實際需求製作。

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

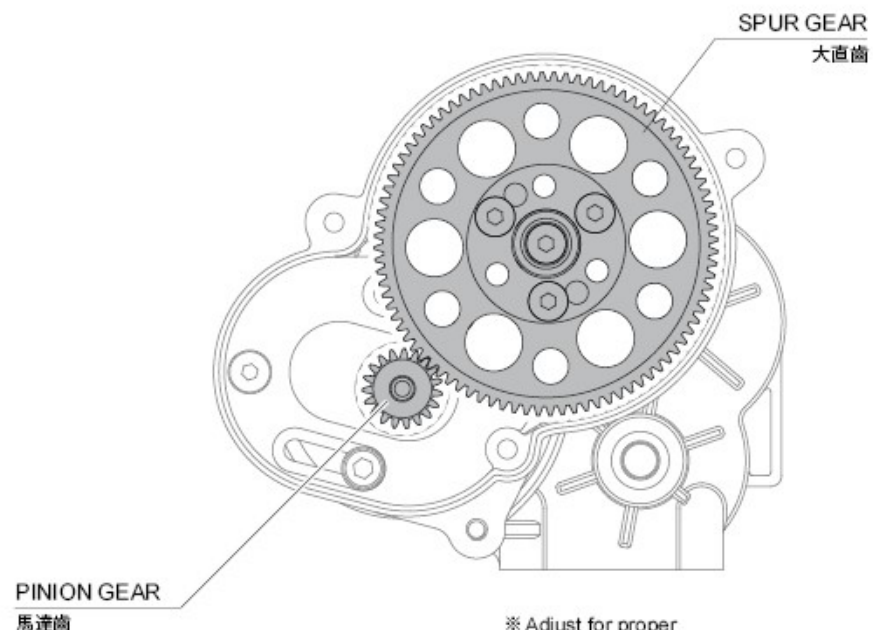
For 48P Spur Gear 88T	
Pinion Gear 馬達齒	Spur Gear 88T
17	42.59
18	40.22
19	38.11
20	36.20
21	34.48
22	32.91
23	31.48
24	30.17
25	28.96
26	27.85
27	26.81
28	25.86
29	24.96
30	24.13
31	23.35
32	22.62
33	21.94
34	21.29
35	20.68
36	20.11
37	19.57
38	19.05

※ 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、場地形狀、車手手感，而有不同選擇。
可先參考當地配價後再選擇齒比！



※ Adjust for proper space.
請調整至適當齒隙。

* **FORMULA**
計算公式

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

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