

MST

MAX SPEED TECHNOLOGY



GMX OFF ROAD

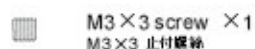
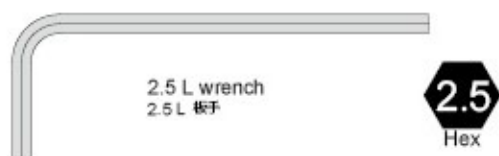
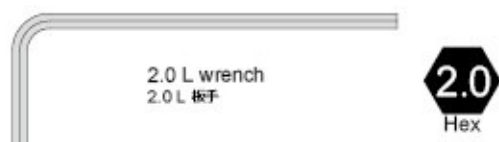
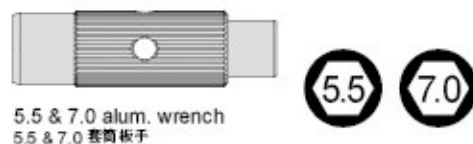
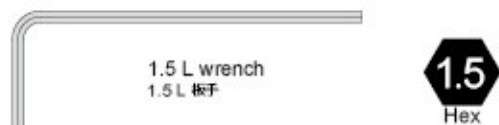
1/10 RC 4WD HIGH PERFORMANCE OFF ROAD CAR

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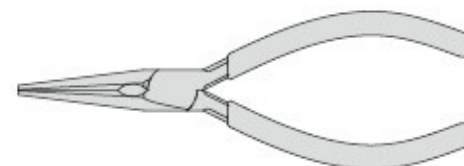
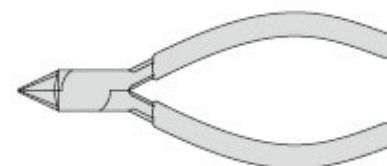
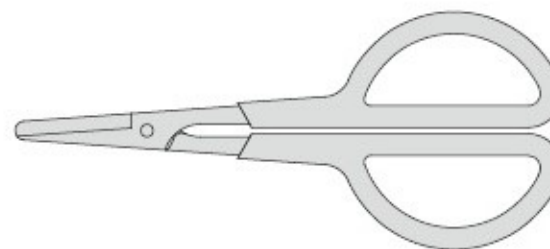
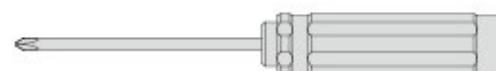
*SPECIFICATION ARE SUBJECT TO CHANGE WITHOUT NOTICE

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 : 30x90mm



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



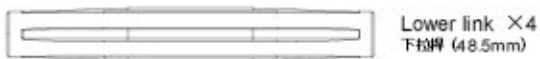
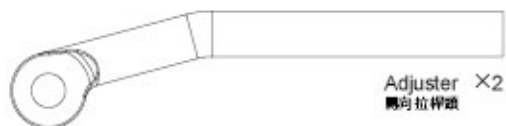
Please follow the assembling figures and instructions closely
for your [CMX] best performance!
請依照說明書圖示步驟安裝以發揮 [CMX] 最好效能!

PARTS BAG 1

1

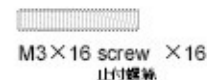
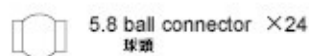
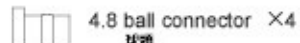
LINKS

拉桿組

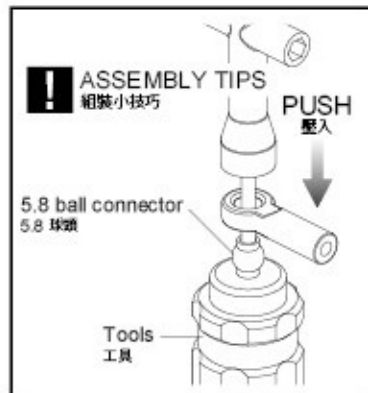


FORD Bronco	242 mm
TOYOTA LC40	252 mm
M-BENZ Unimog 406	242 mm
TOYOTA FJ	267 mm

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

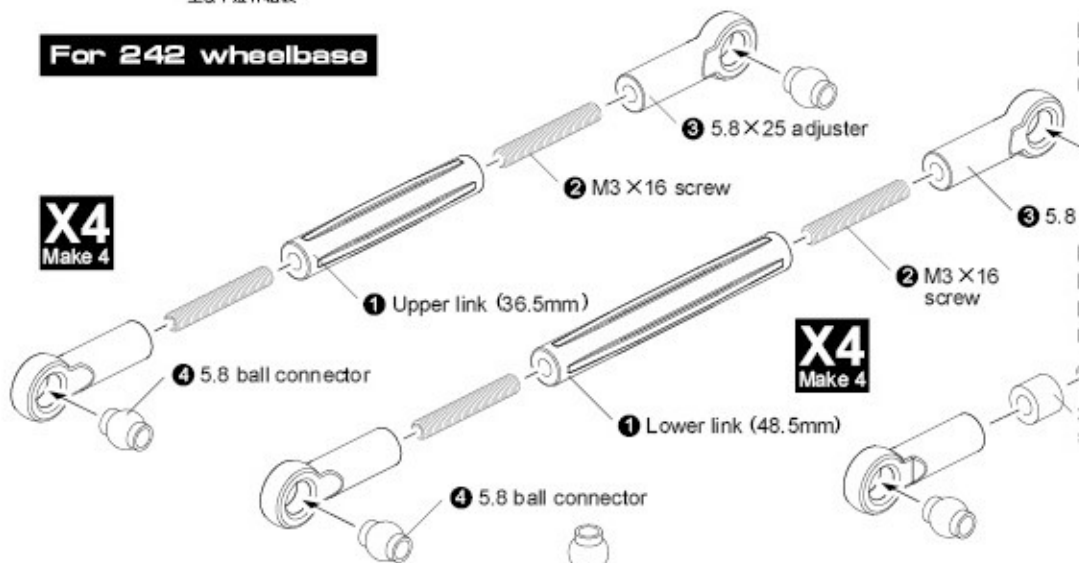


※ Used for STEP 4
保留零件到第4步驟



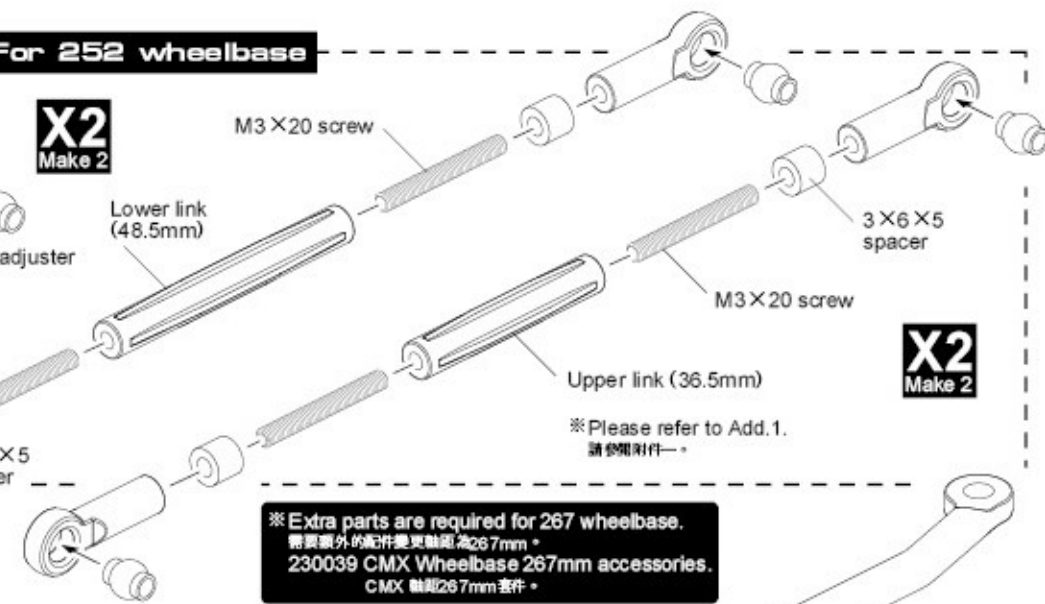
STEP 1 Upper & Lower link assembly 上&下拉桿組裝

For 242 wheelbase



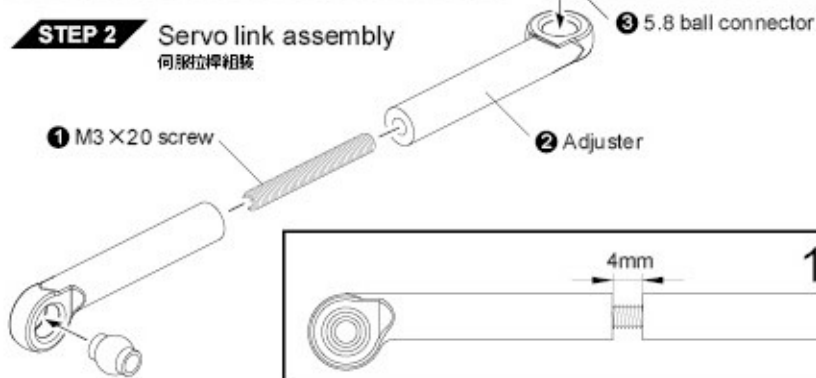
For 252 wheelbase

X2 Make 2

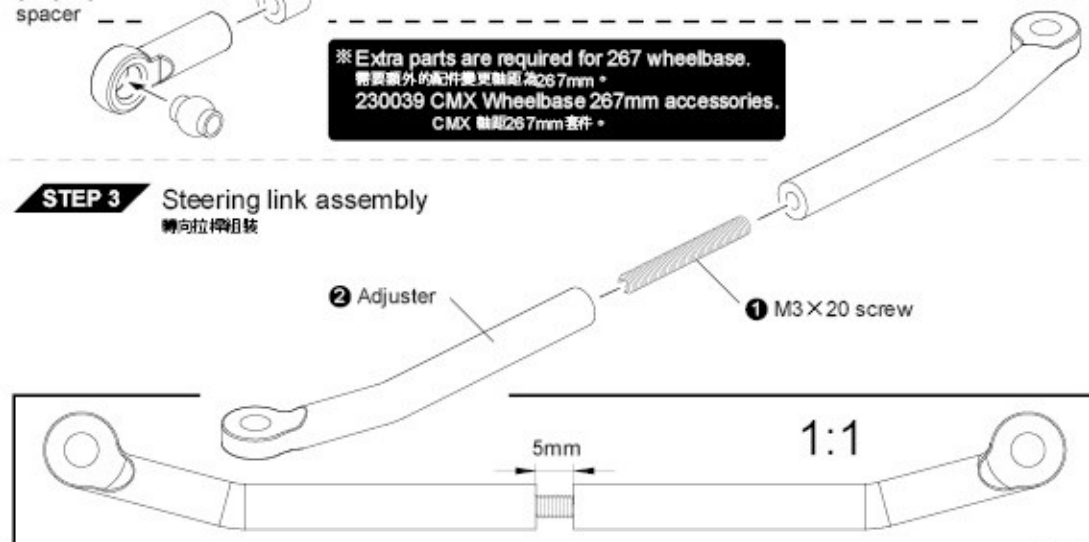


※ Extra parts are required for 267 wheelbase.
需要額外的配件是車軸距為267mm。
230039 CMX Wheelbase 267mm accessories.
CMX 軸距267mm零件。

STEP 2 Servo link assembly 何服拉桿組裝



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

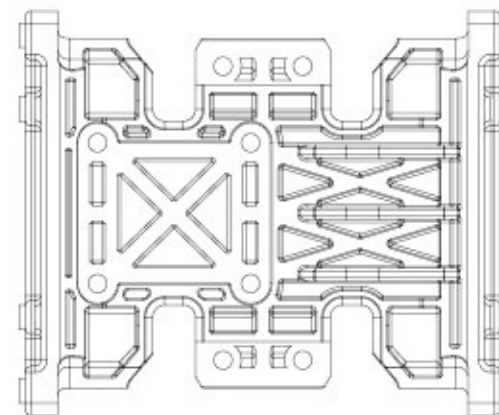
Hex. wheel hubs ×4
六角輪座

※ Used for STEP 3
保留零件到第3步驟

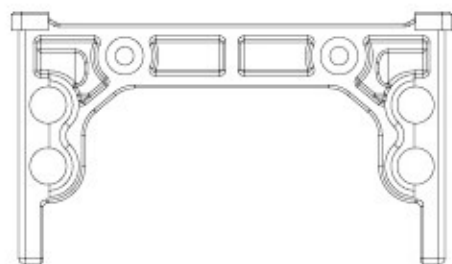
Servo spacer ×2
伺服機墊片

Servo mount ×2
伺服機座

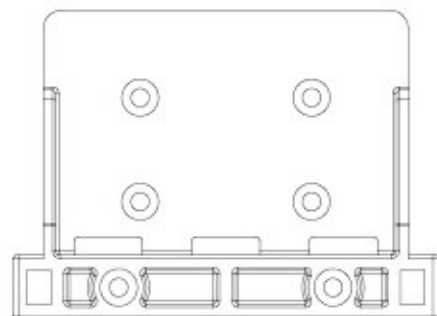
※ Used for STEP 4
保留零件到第4步驟



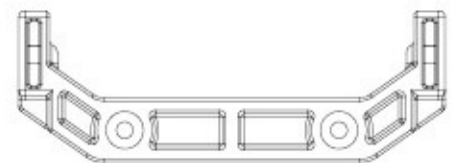
Gearbox chassis ×1
減速箱底盤



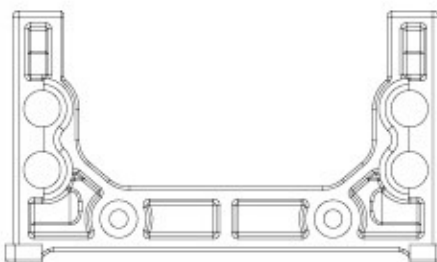
Crossmember A ×1
橫樑 A



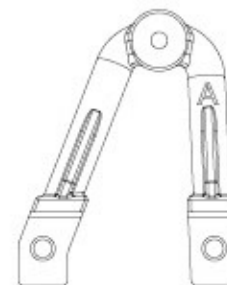
Crossmember C ×1
橫樑 C



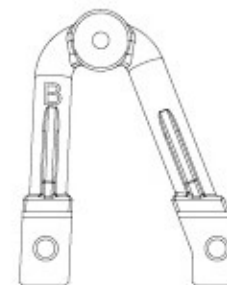
Crossmember B ×1
橫樑 B



Crossmember D ×1
橫樑 D



Damper stay A ×2
避震架



Damper stay B ×2
避震架

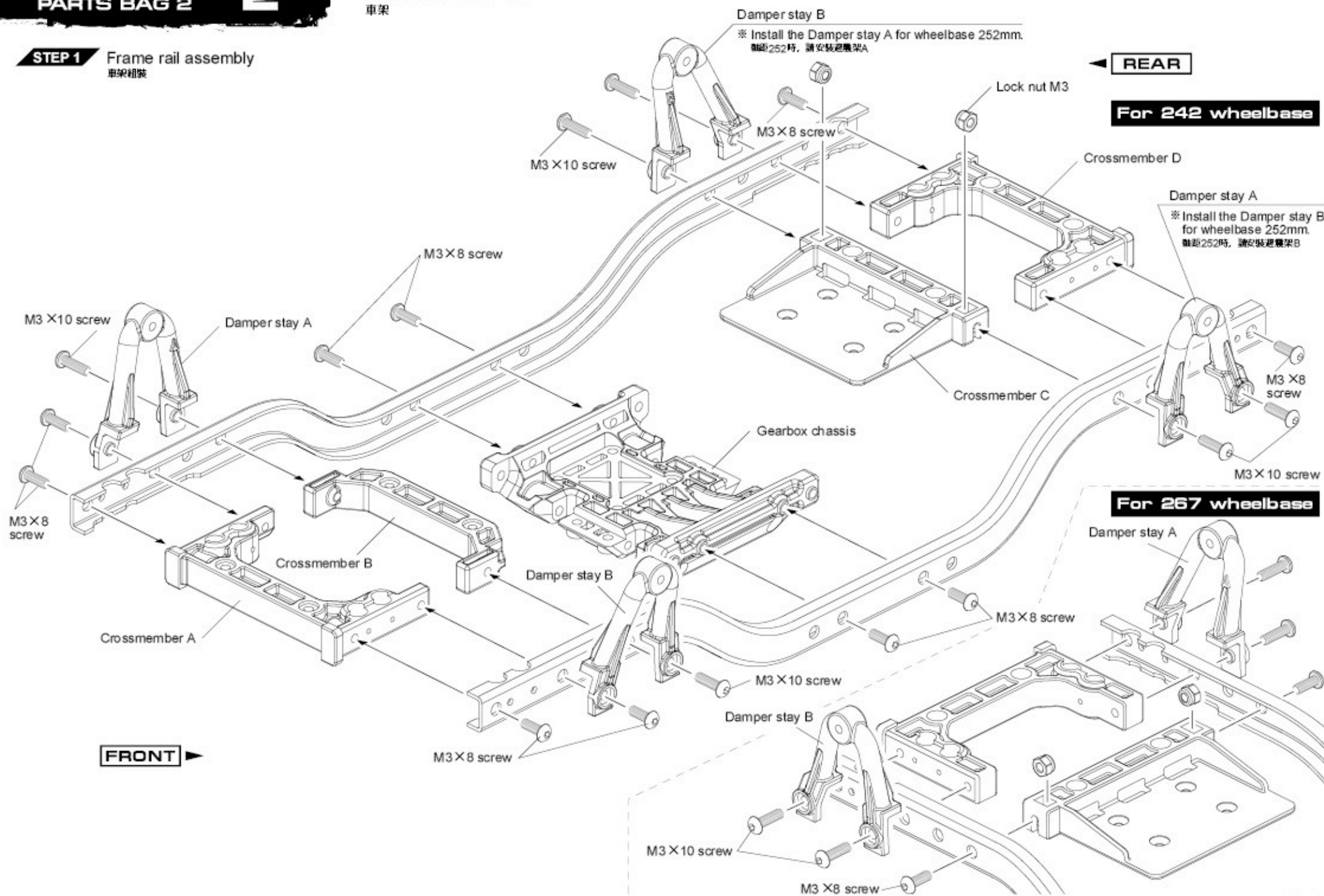


Chassis rail ×2
大樑



STEP 1 Frame rail assembly

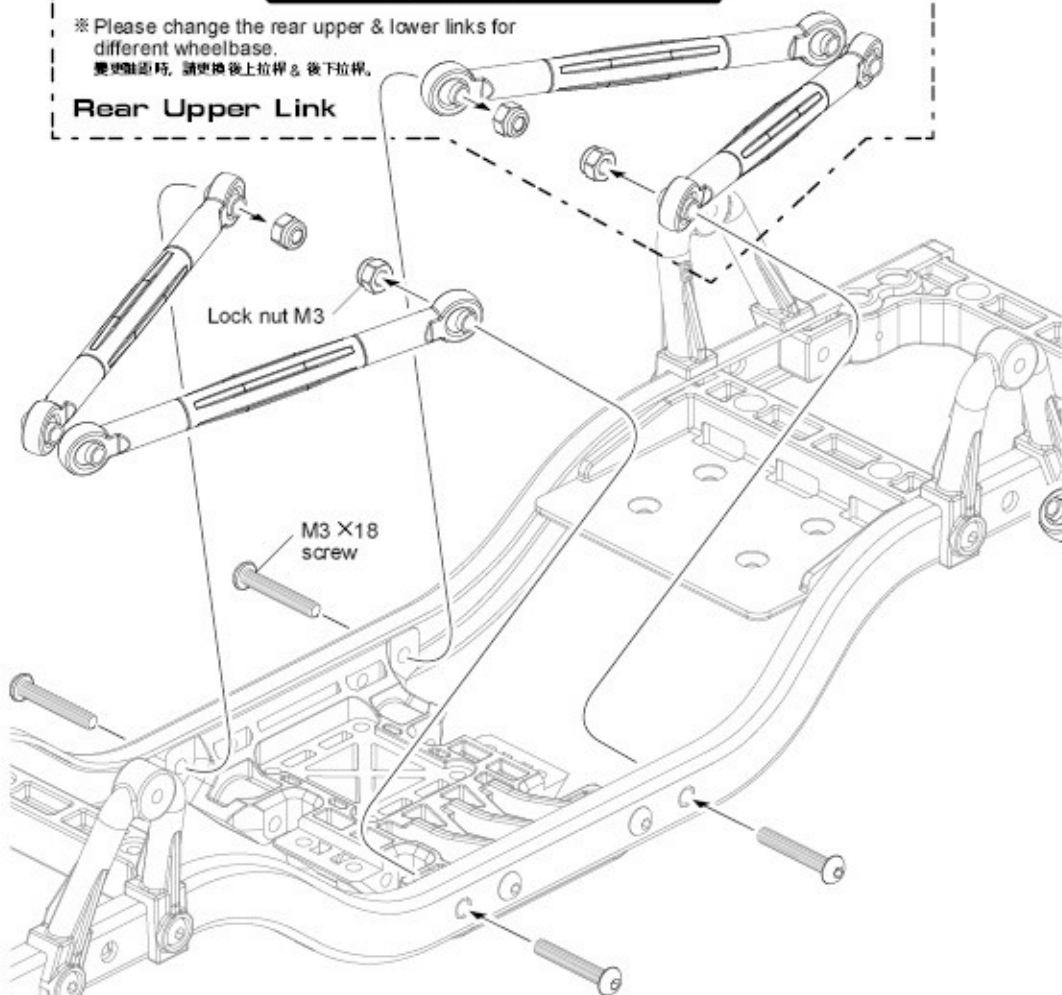
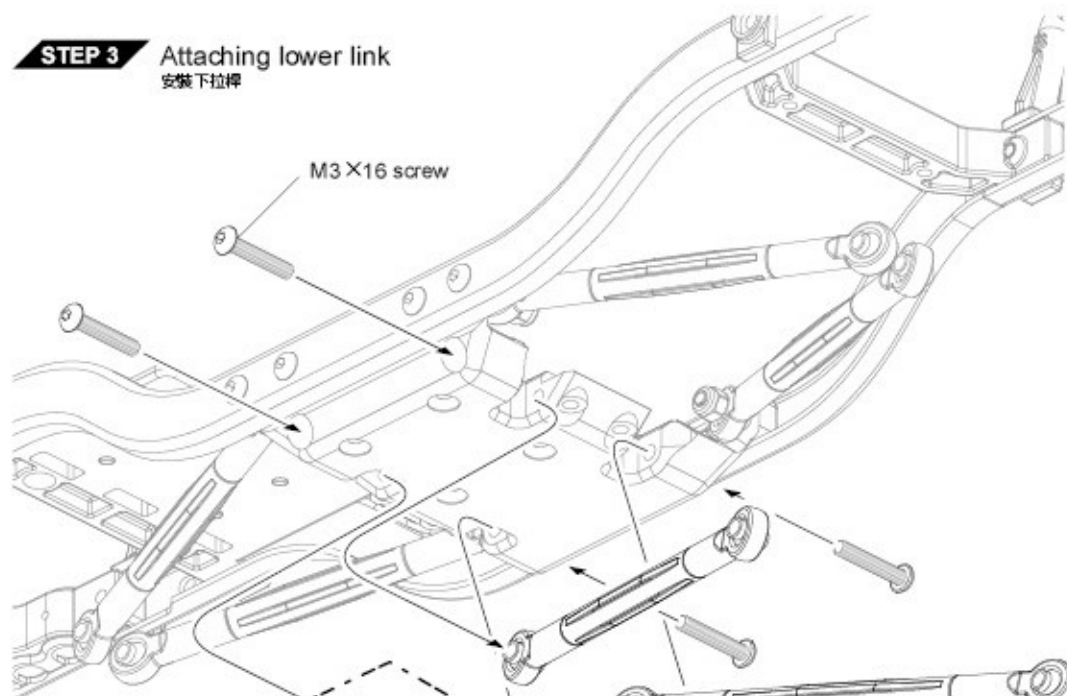
車架組裝



STEP 2 Attaching upper link
安裝上拉桿

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

※ Please change the rear upper & lower links for
different wheelbase.
變換軸距時，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**

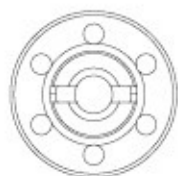
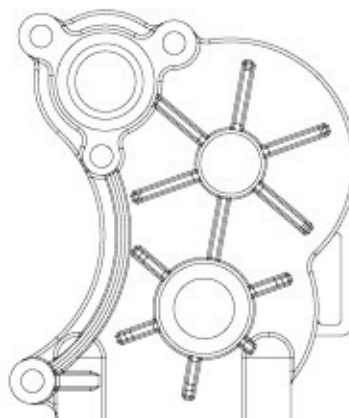
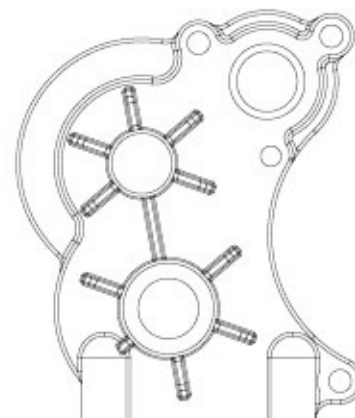
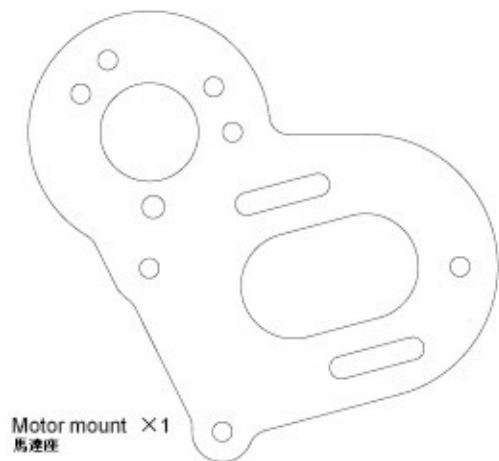
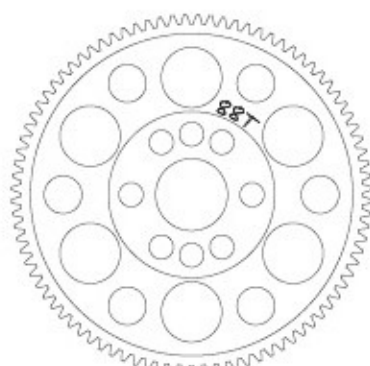
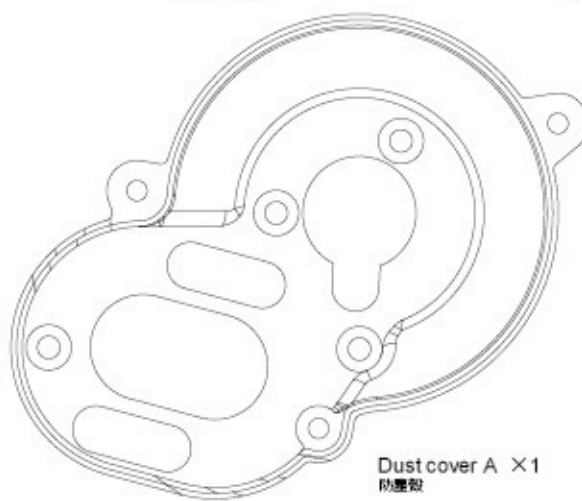
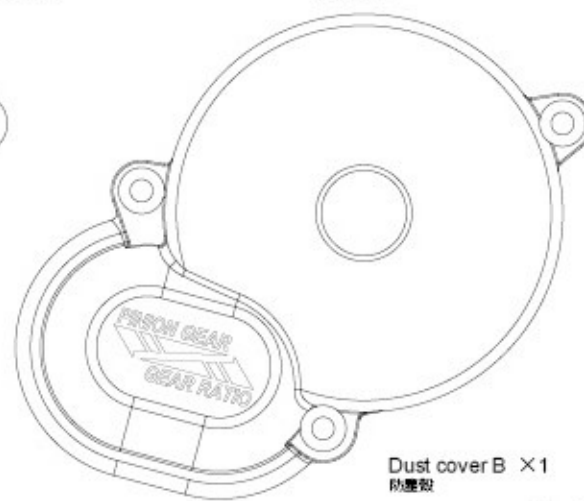
※ Please change the rear upper &
lower links for different wheelbase.
變換軸距時，請更換後上拉桿 & 後下拉桿。

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

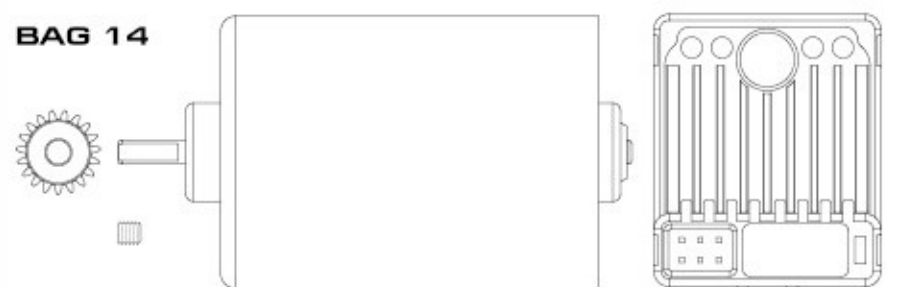


TRANSMISSION

減速箱

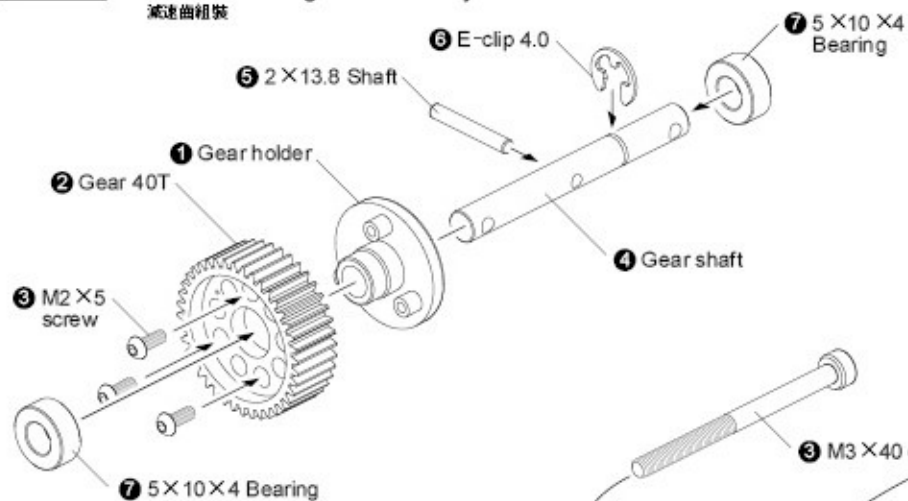
M2×5 screw ×3
圓頭螺絲M3×5 screw ×5
圓頭螺絲M3×6 screw ×3
圓頭螺絲M3×5 screw ×4
沉頭螺絲M3×16 screw ×4
沉頭螺絲M3×6 Cap screw ×2
有頭螺絲M3×40 Cap screw ×4
有頭螺絲5×10×4 Bearing ×6
軸承E-clip 4.0 ×2
E扣3×6×0.5 Spacer ×4
墊片2×9.8 Shaft ×2
插銷2×13.8 Shaft ×1
插銷5×26.8 Shaft ×1
複式插銷Gear shaft ×1
輸出軸Main shaft ×1
主軸Gear holder ×1
輸出齒座Spur gear holder ×1
齒座Gear 21T ×1
齒輪 21TGear 40T ×1
齒輪 40TGear 45T-25T ×1
齒輪 45T-25TGear box A ×1
減速齒箱 AGear box B ×1
減速齒箱 BMotor mount ×1
馬達座Spur gear 48P-88T ×1
大齒輪 48P-88TDust cover A ×1
防塵殼Dust cover B ×1
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

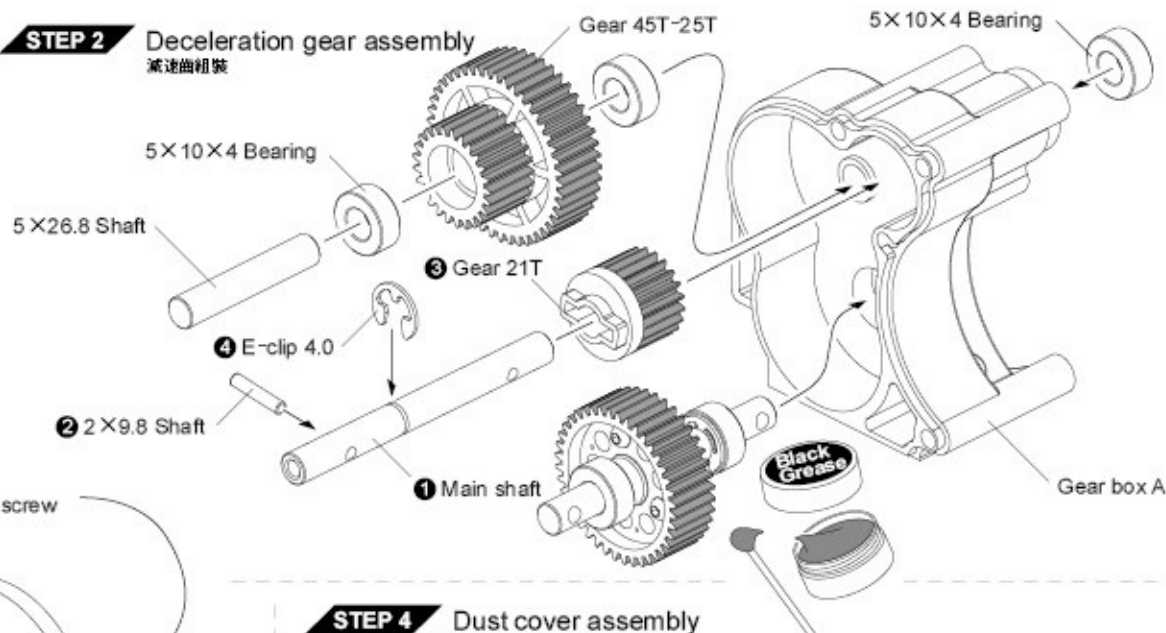


STEP 1 Deceleration gear assembly

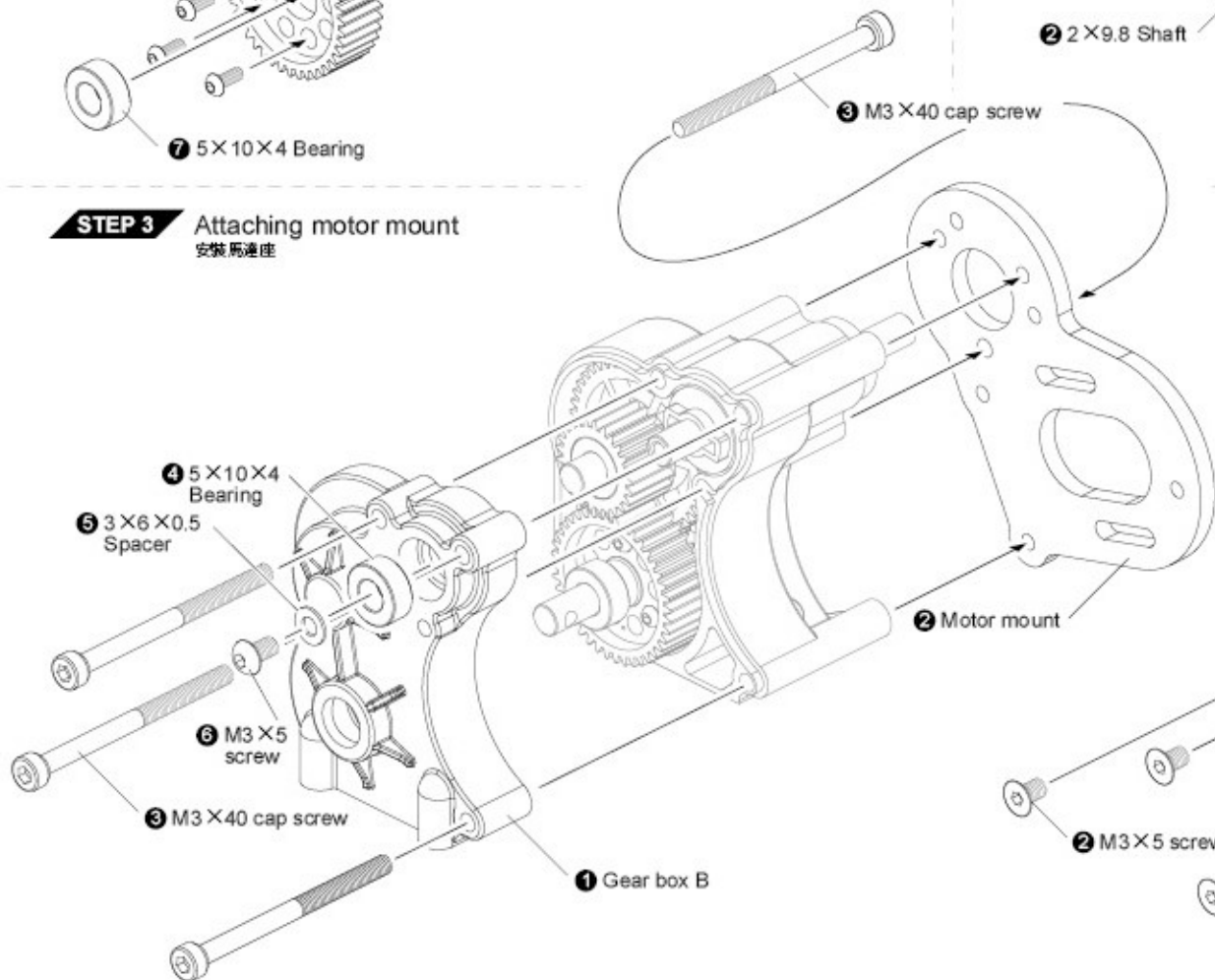
減速齒組裝

**STEP 2** Deceleration gear assembly

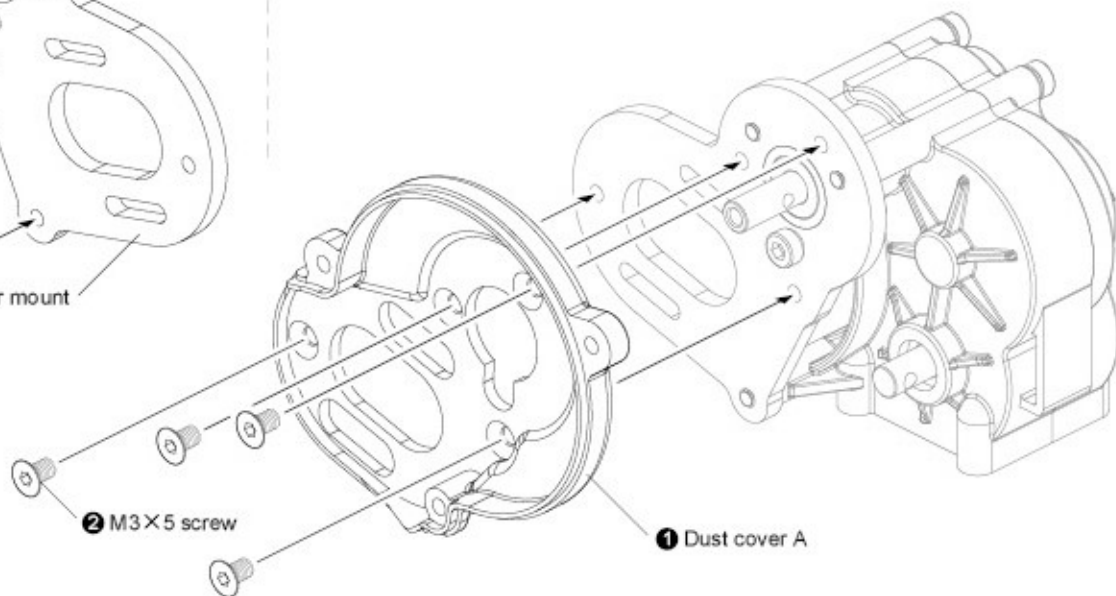
減速齒組裝

**STEP 3** Attaching motor mount

安裝馬連座

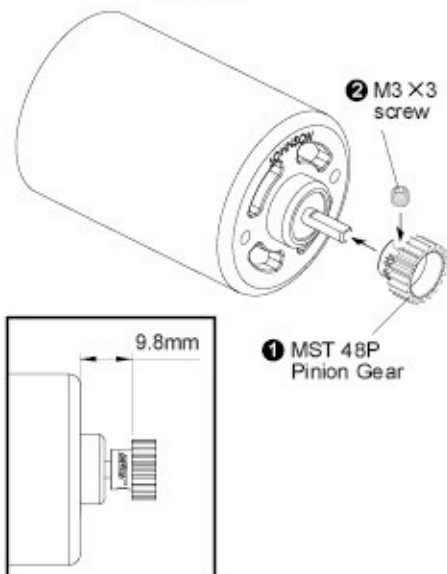
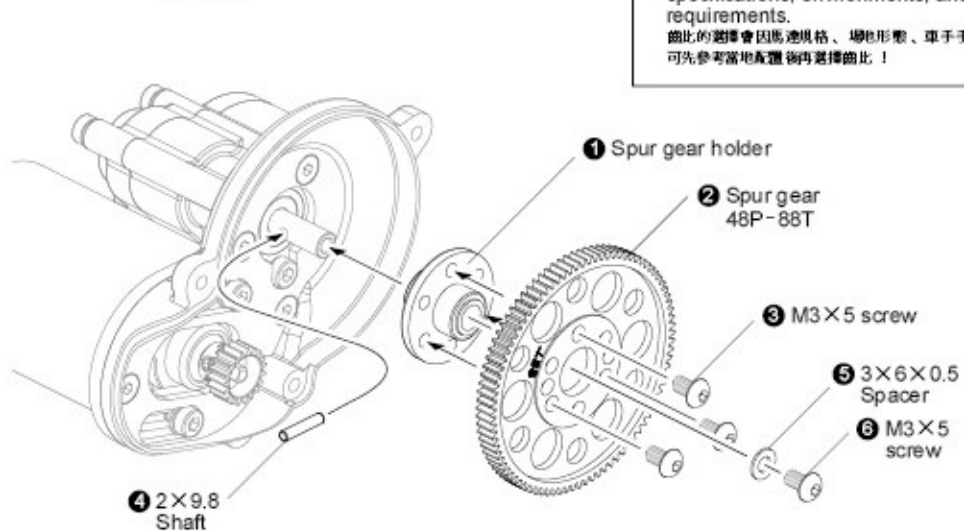
**STEP 4** Dust cover assembly

防護殼組裝



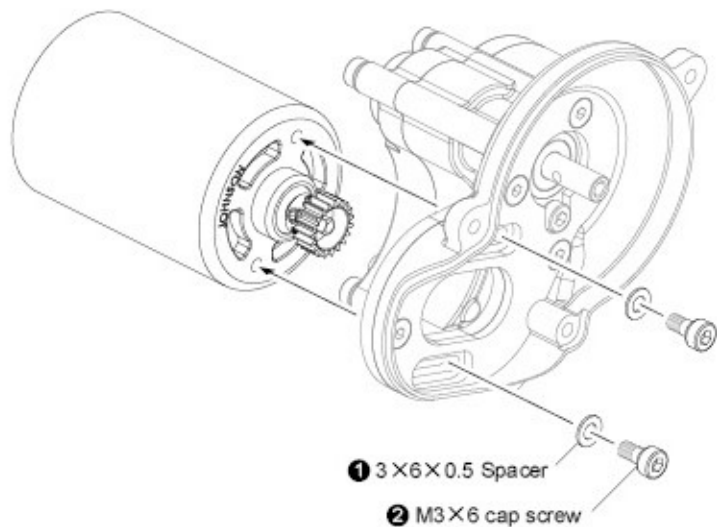
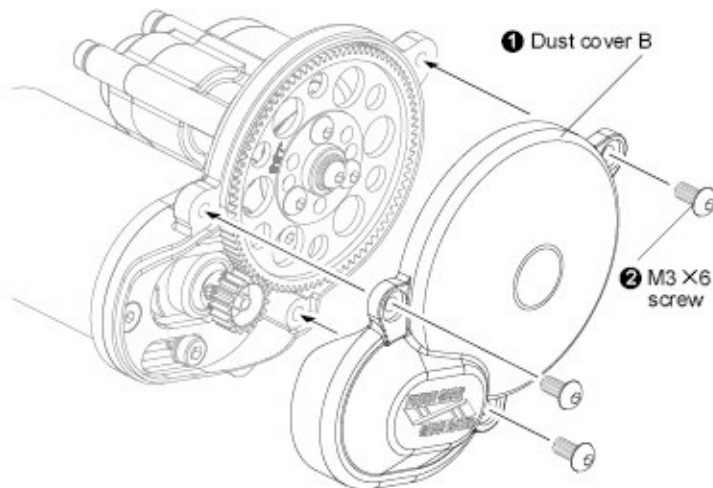
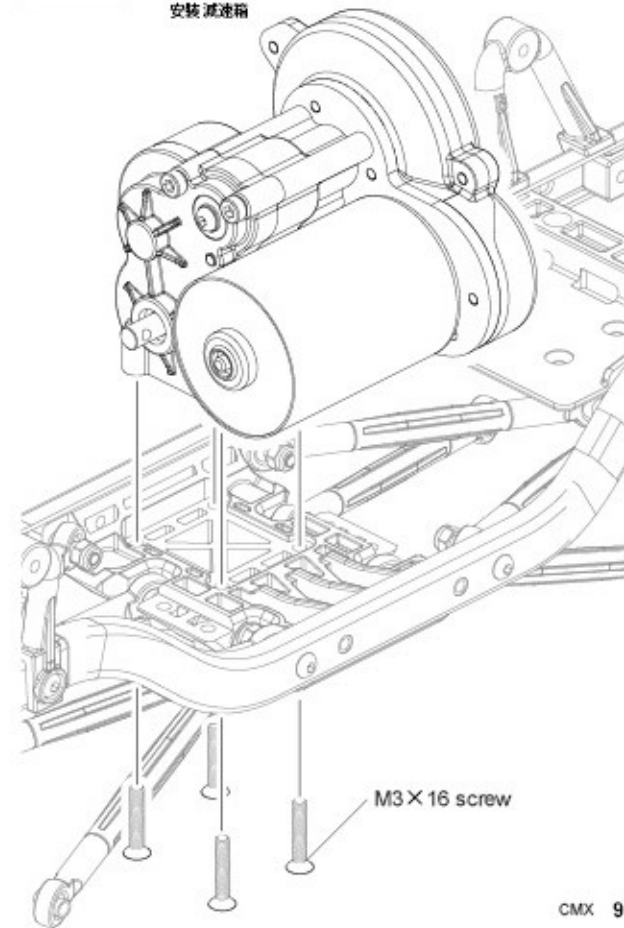
TRANSMISSION

減速箱

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

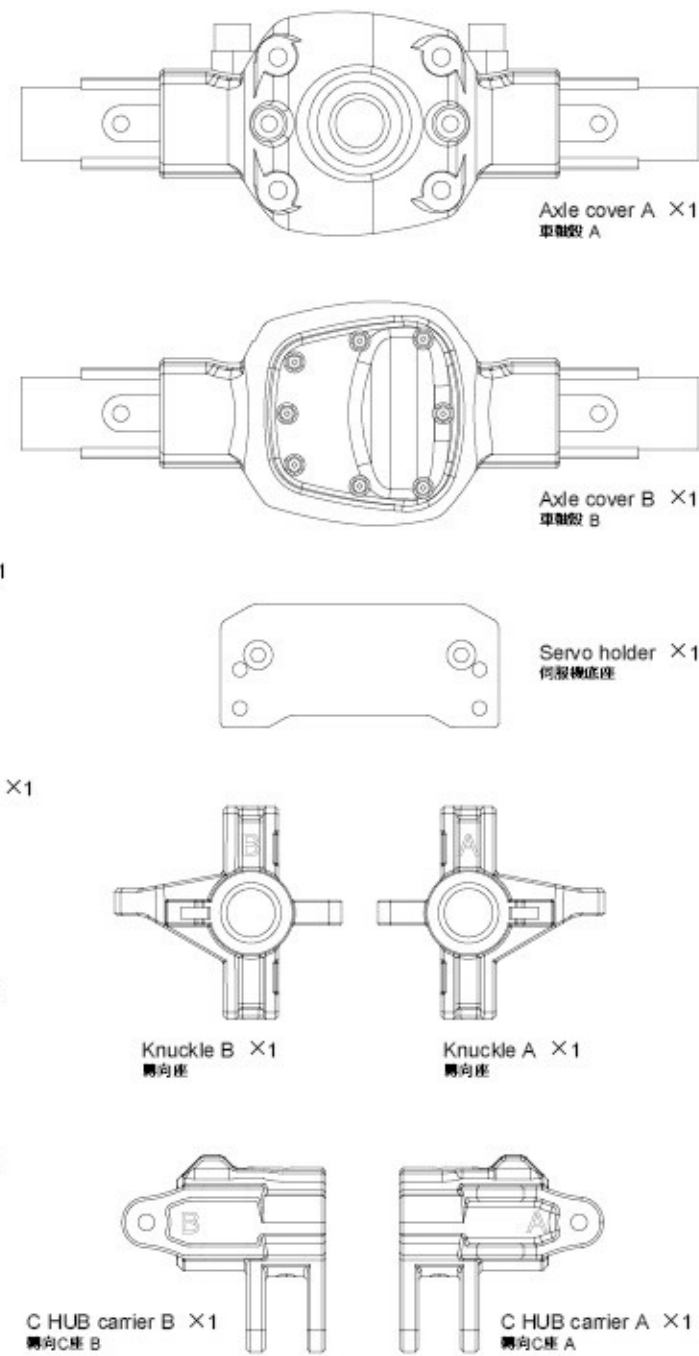
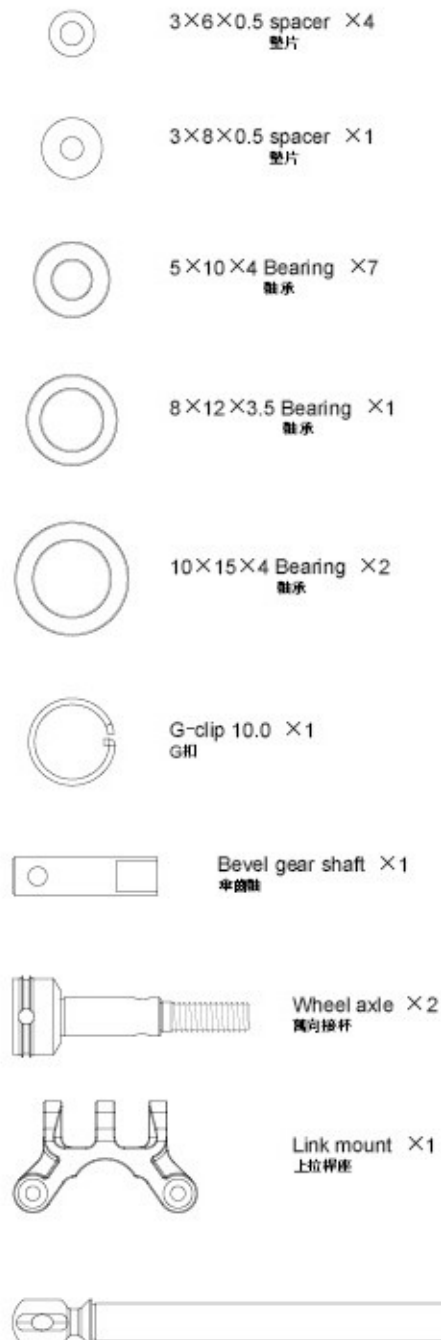
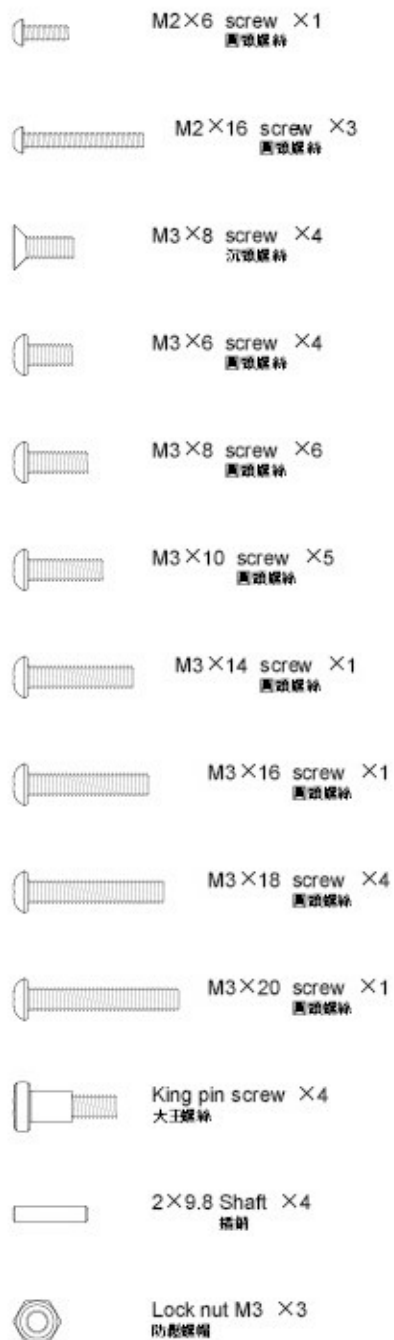
※ Please set the gear ratio according to motor specifications, environments, and personal requirements.
齒比的選擇會因馬達規格、場地形態、車子手感，而有不同選擇。可先參考當地配置後再選擇齒比！

※ 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
安裝防護蓋**STEP 9** Transmission installation
安裝減速箱

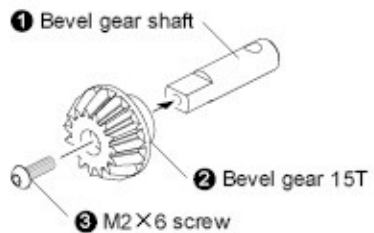
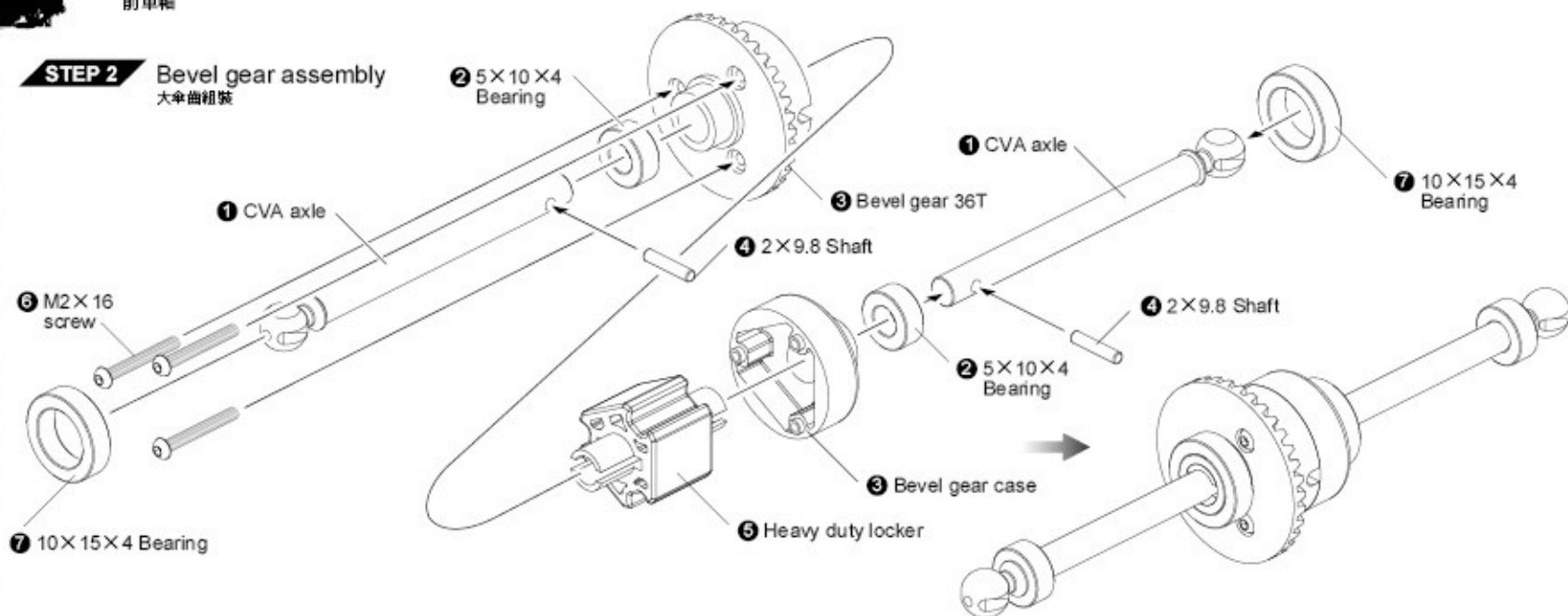
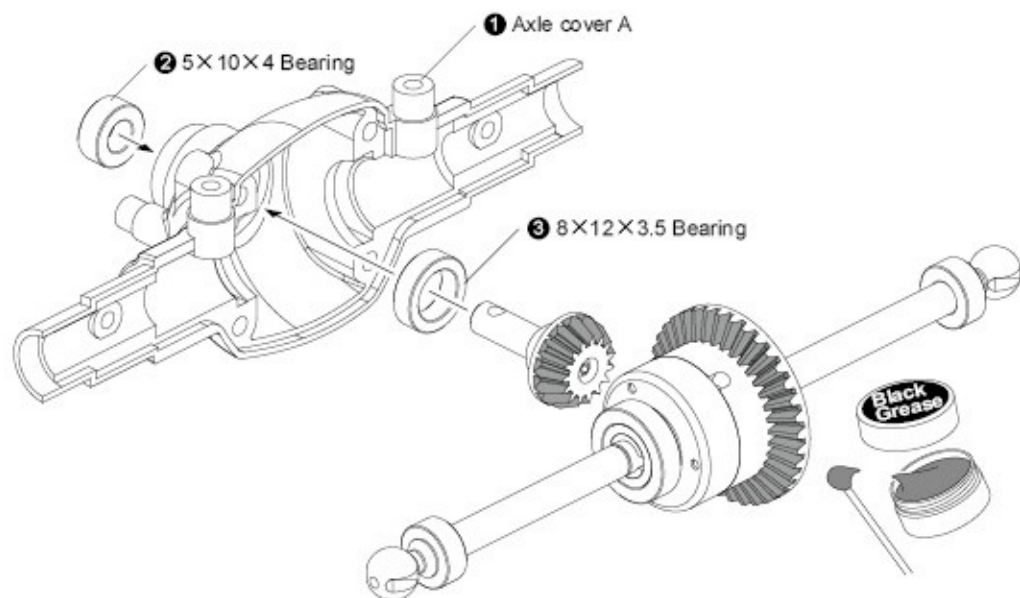
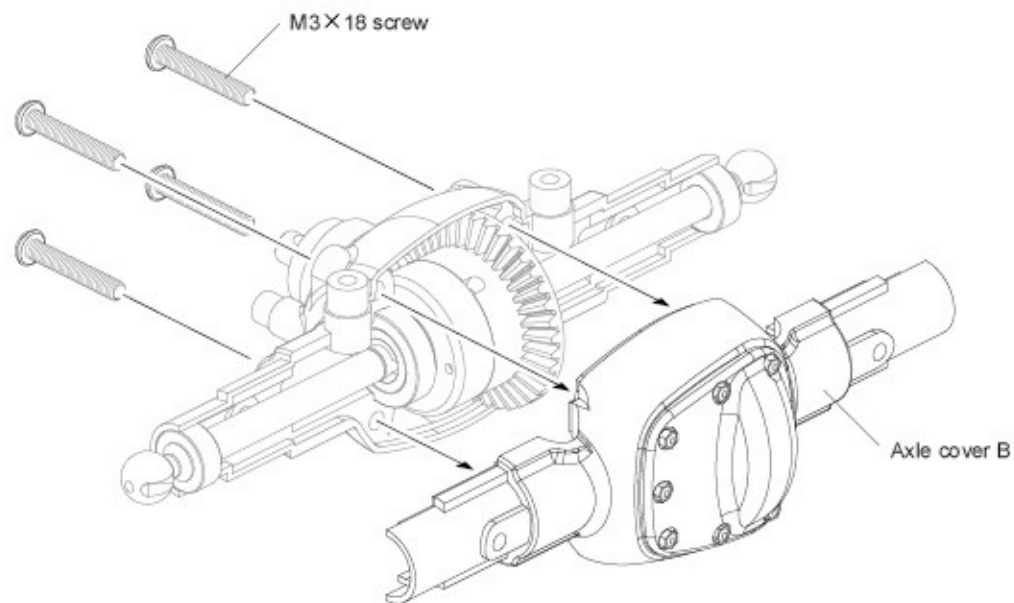
FRONT AXLE

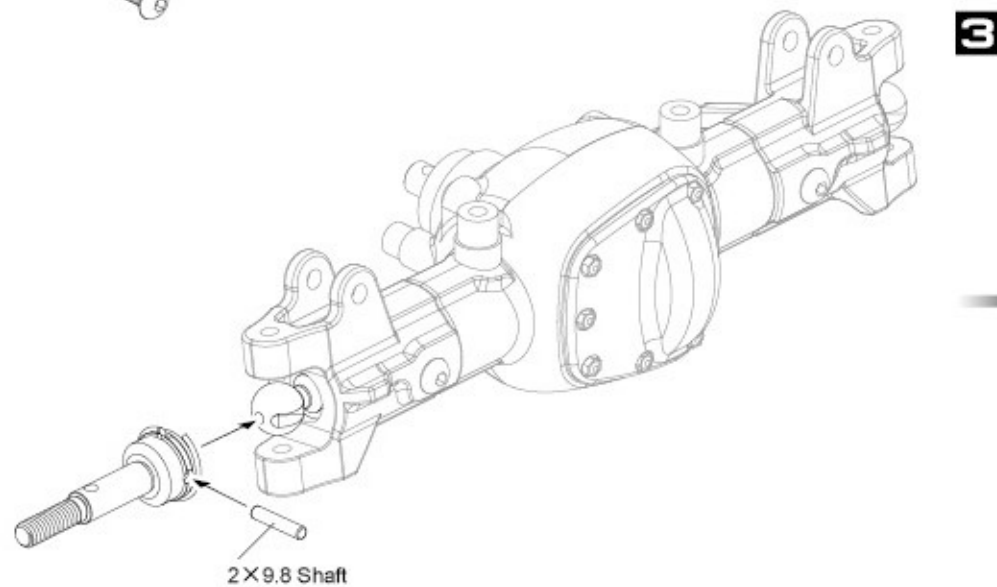
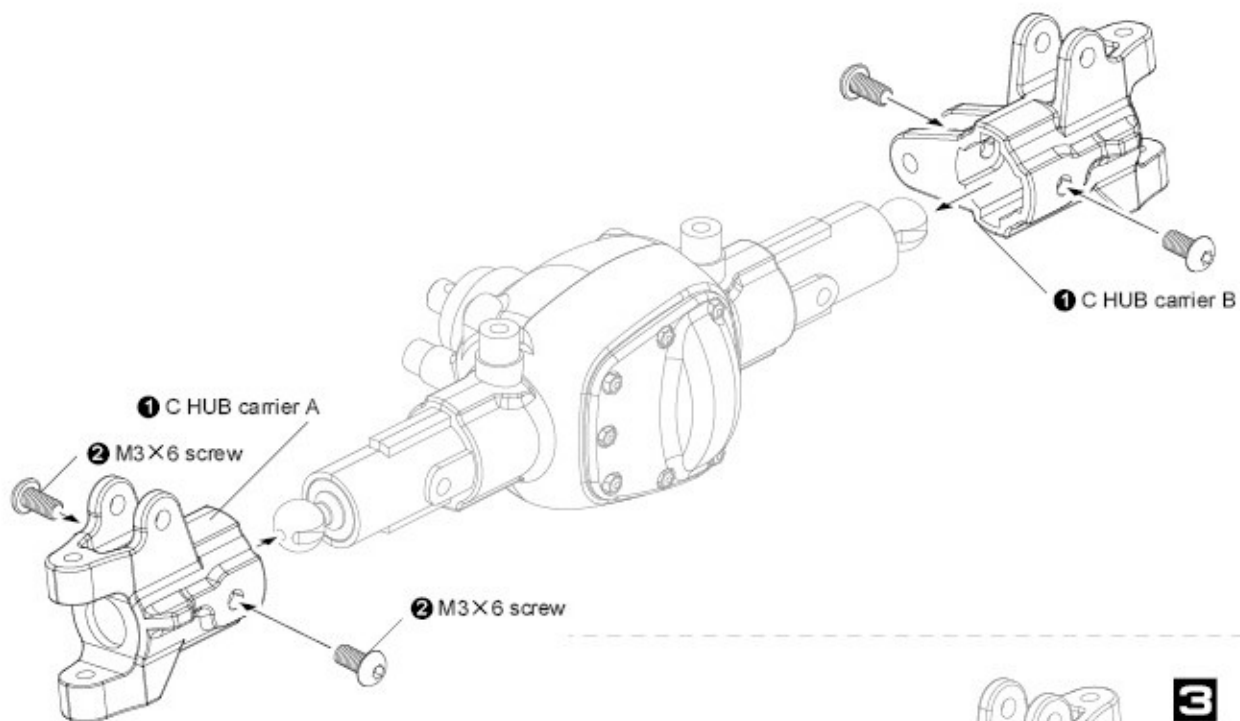
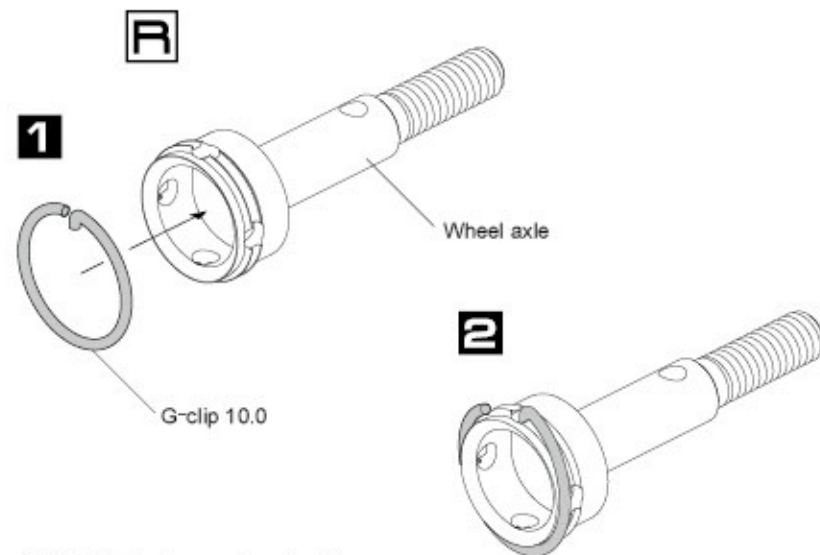
前車軸



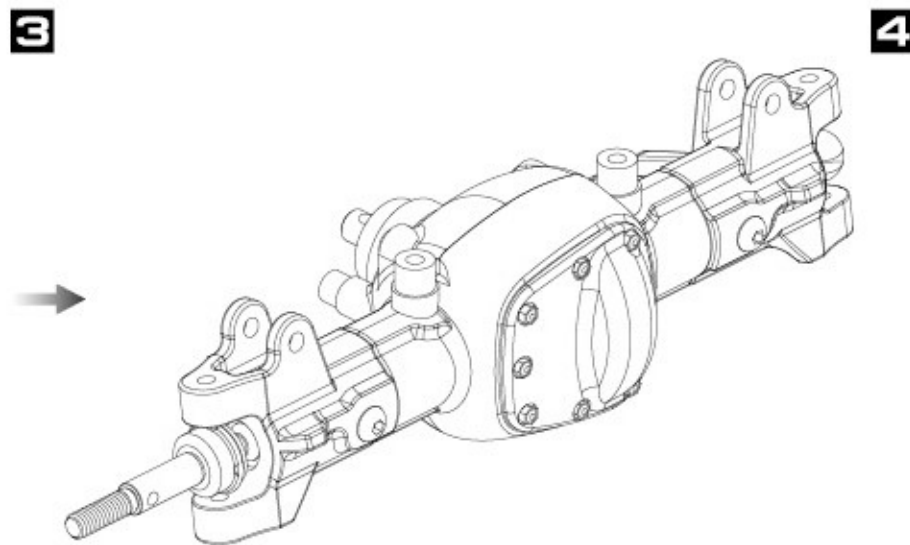
FRONT AXLE

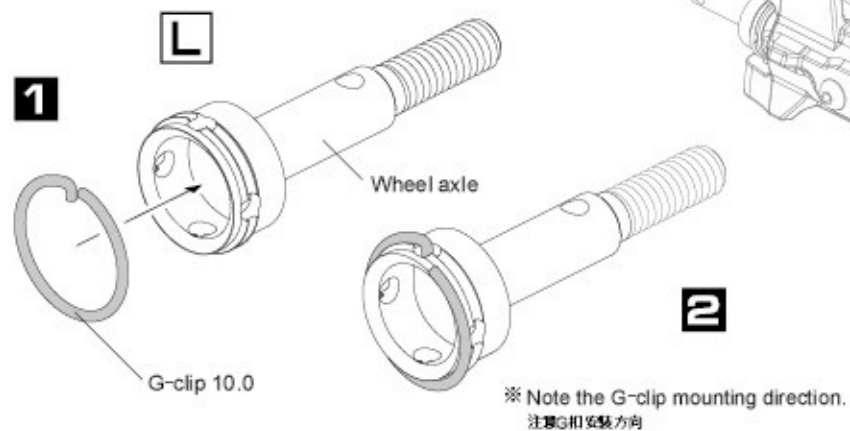
前車軸

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

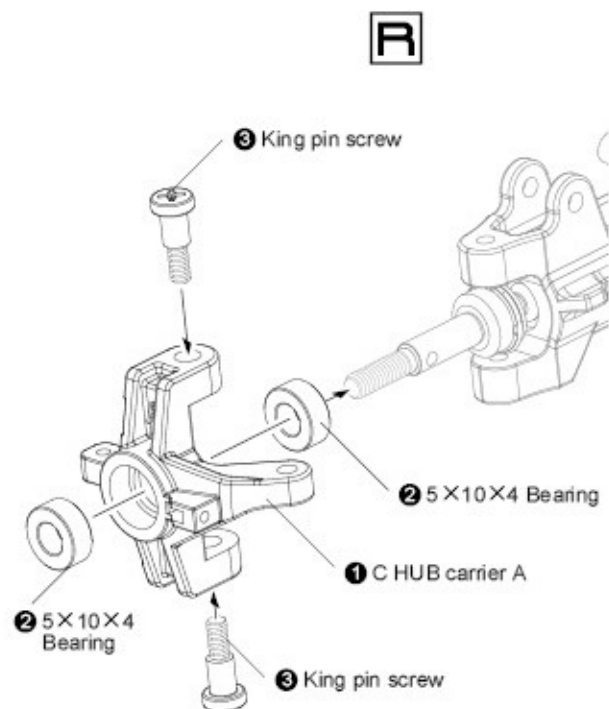
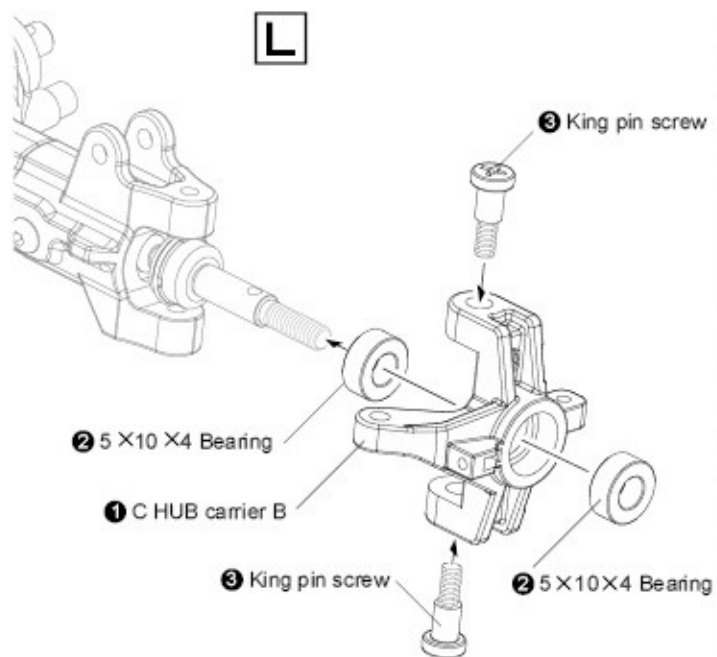
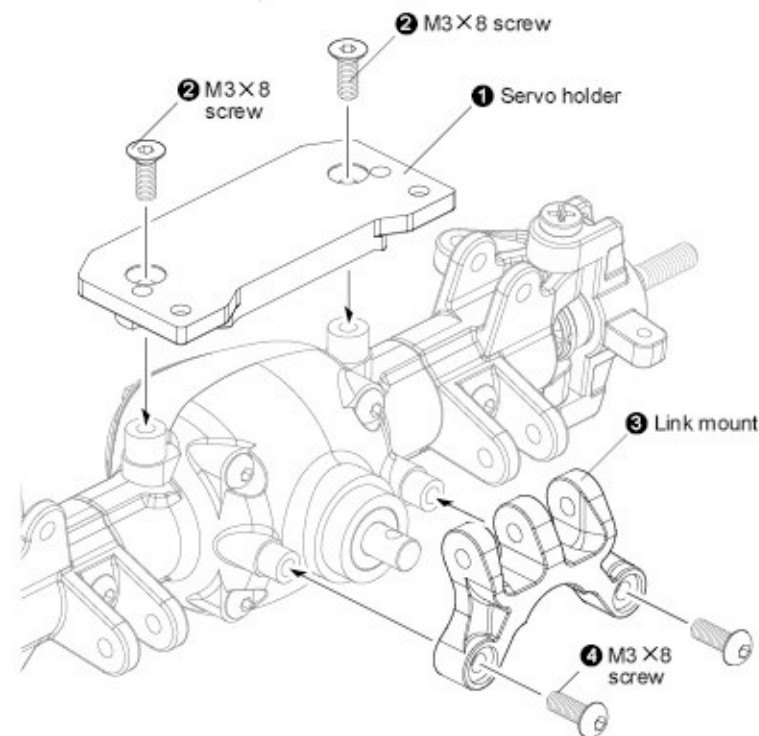
STEP 5 C HUB carrier assembly
 C座組裝

STEP 6 Wheel axle assembly
 萬向接杆組裝


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



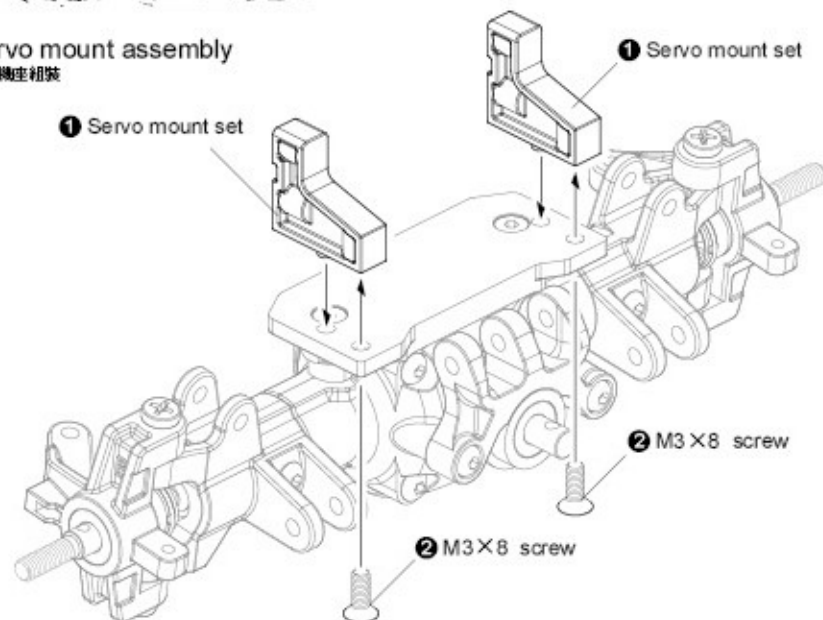
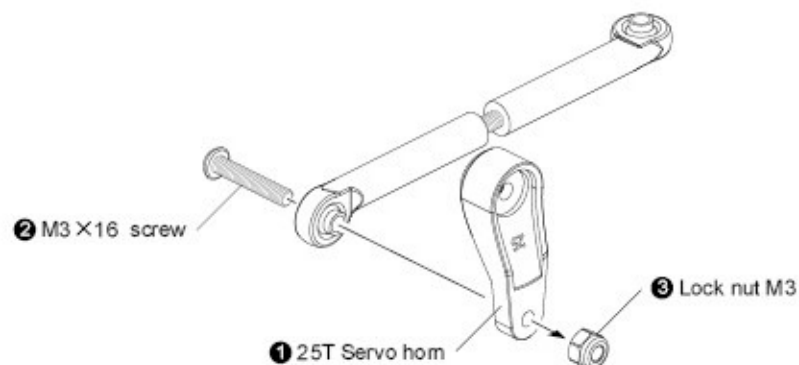
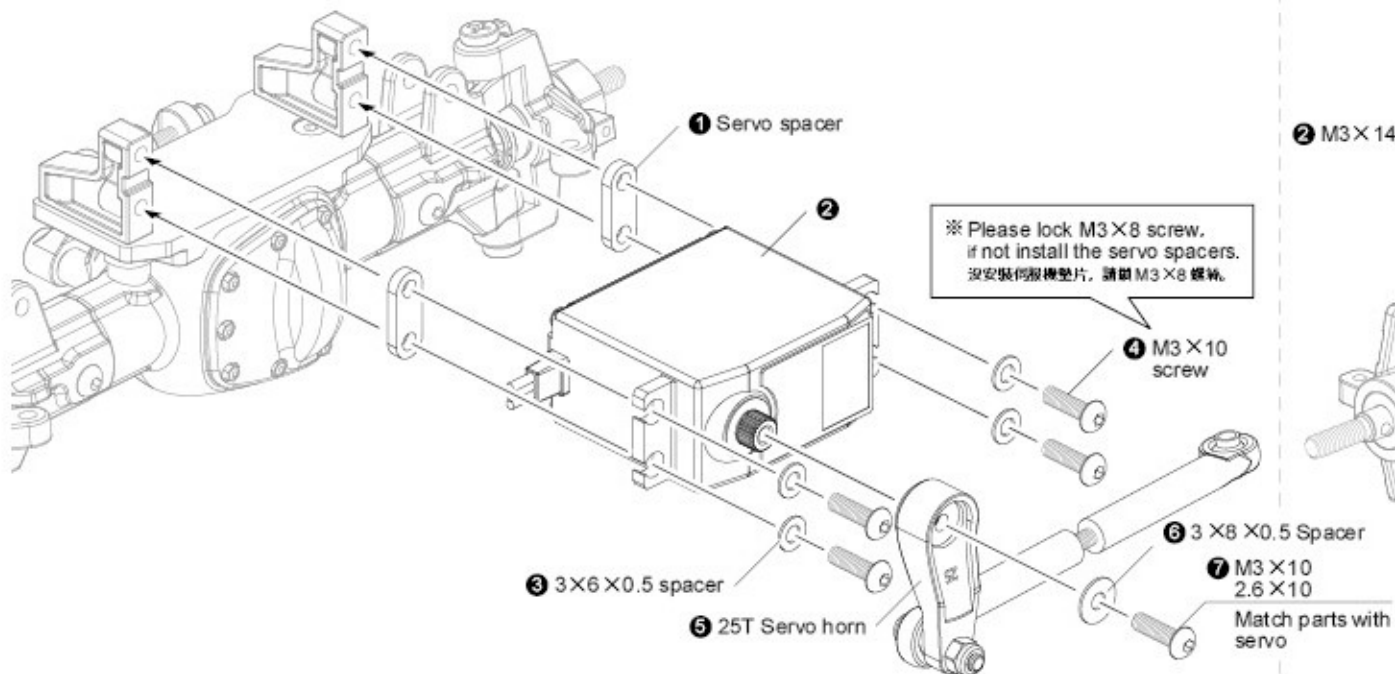
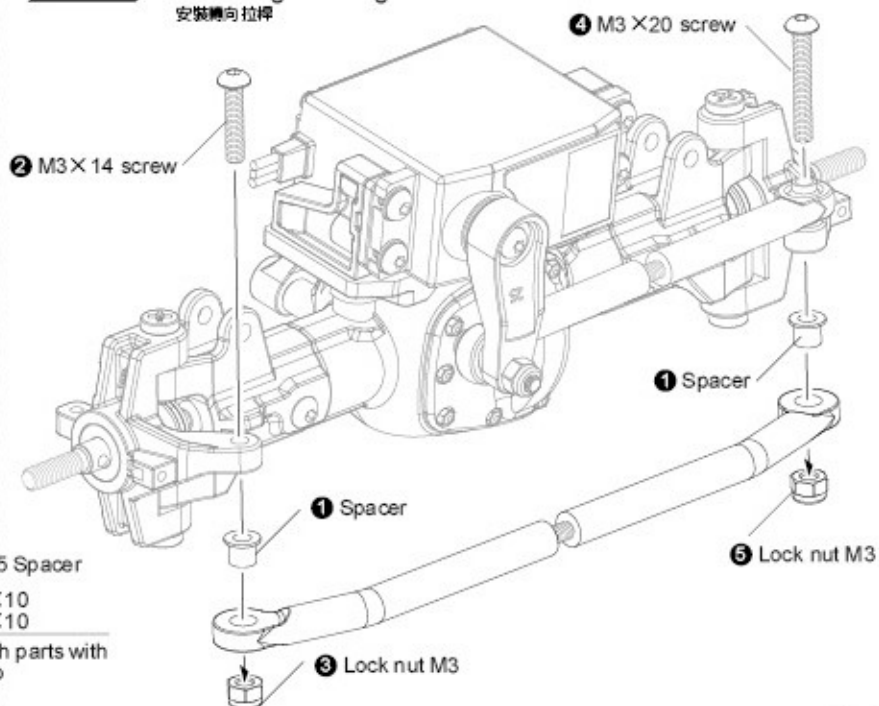
STEP 7 Wheel axle assembly
萬向接杆組裝

2 X 9.8 Shaft

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

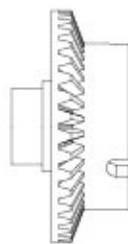
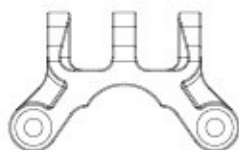
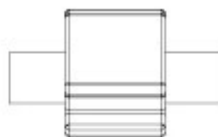
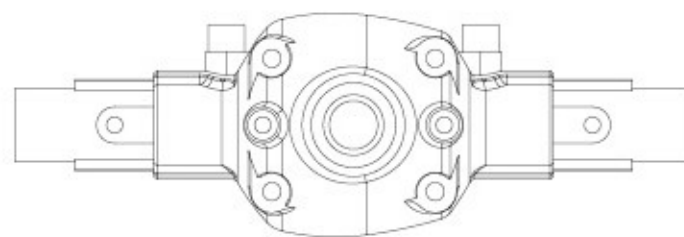
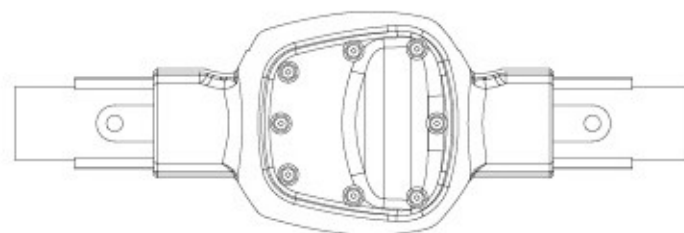
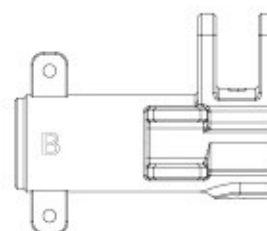
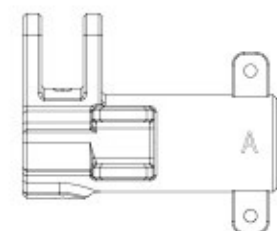
前車軸

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

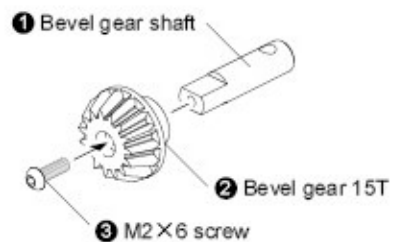
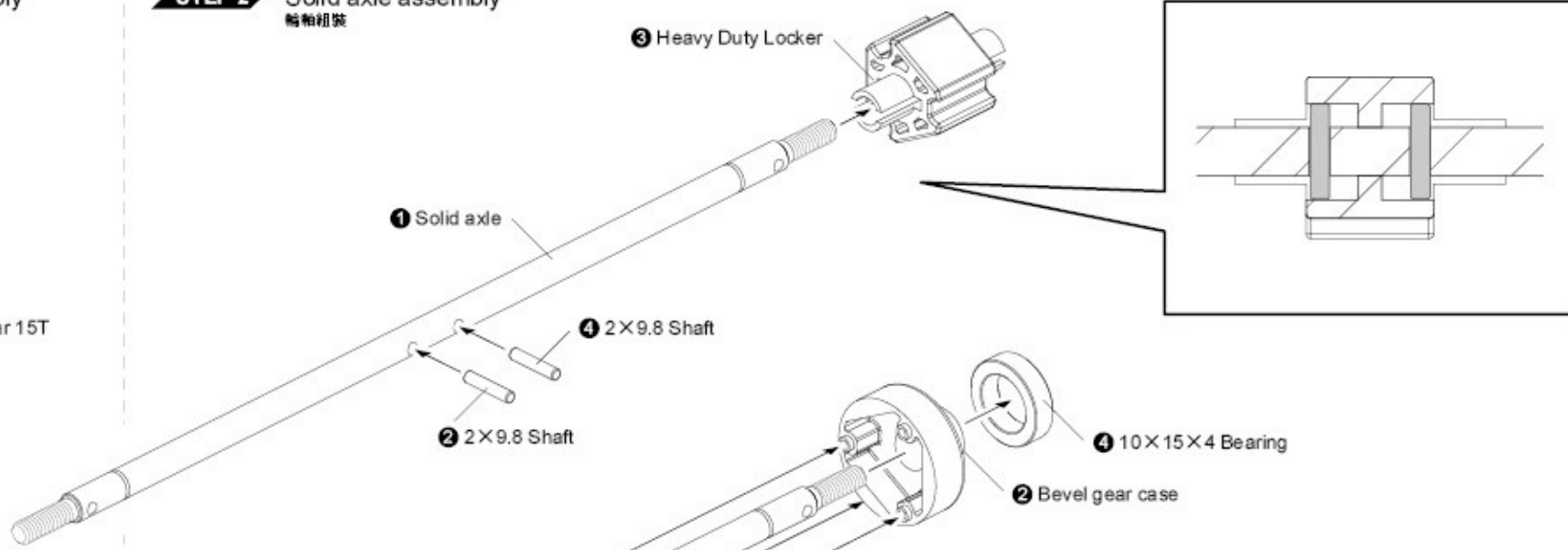
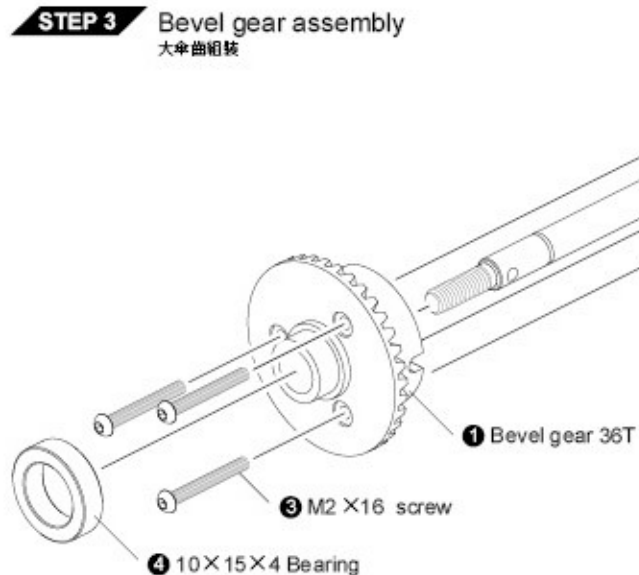
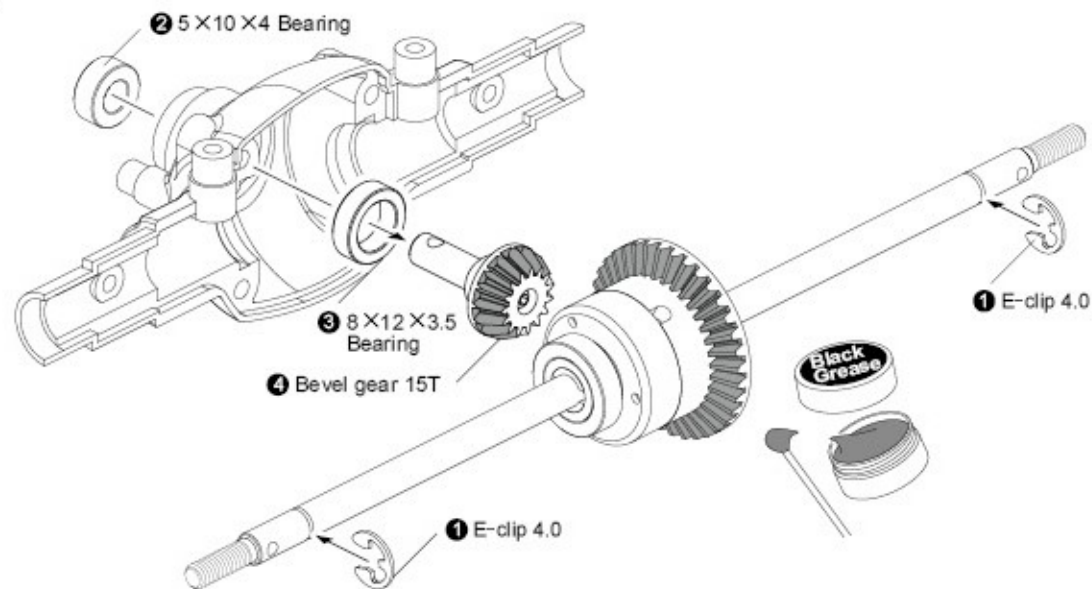
後車軸

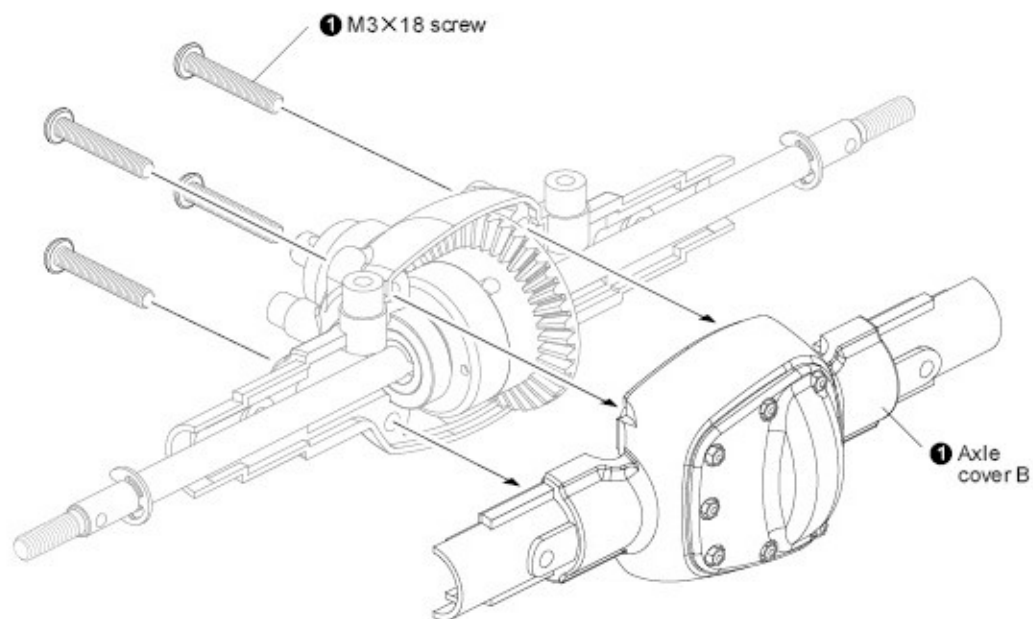
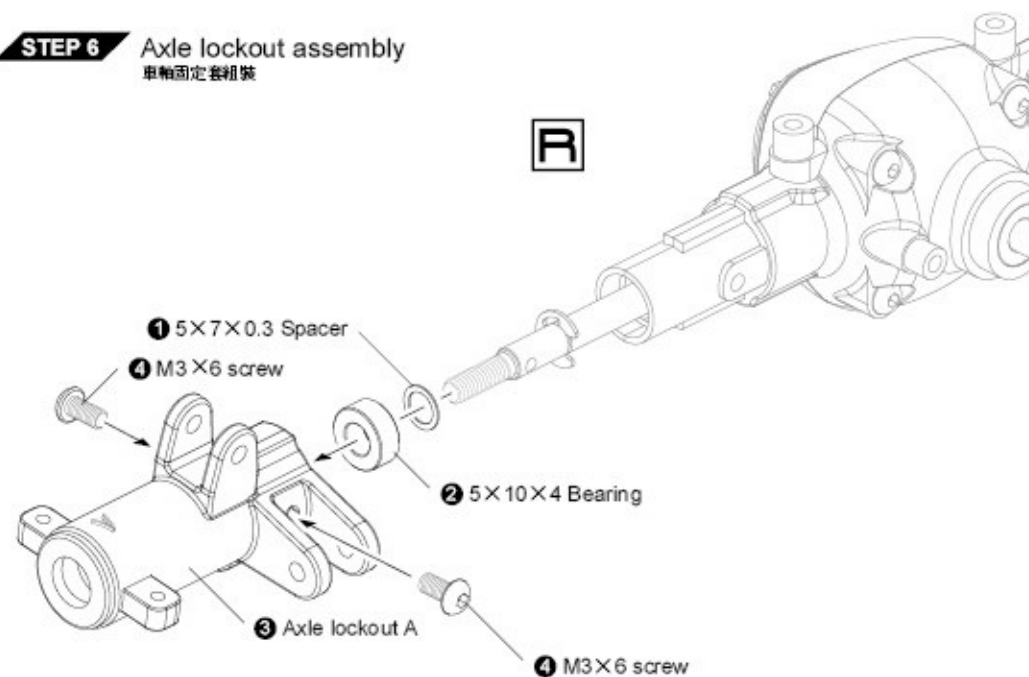
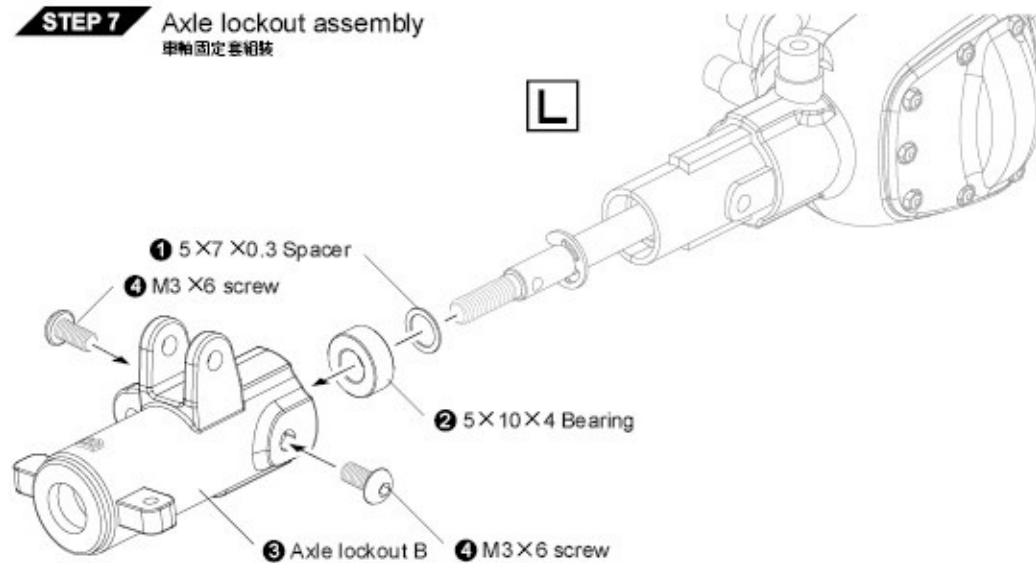
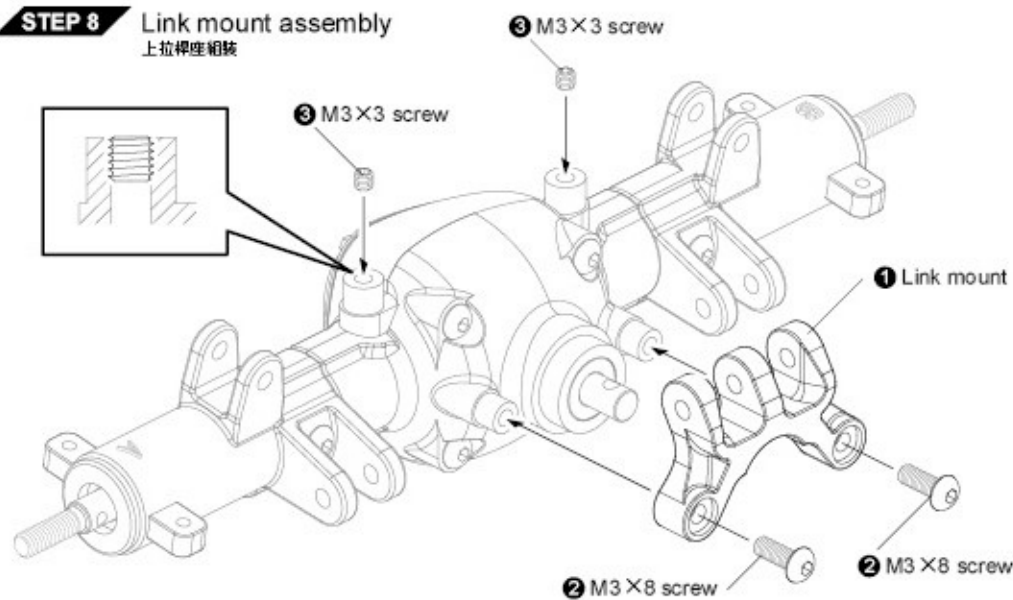
-  M3×3 screw ×2
止付螺絲
-  M2×6 screw ×1
萬能螺絲
-  M2×16 screw ×3
萬能螺絲
-  M3×6 screw ×4
萬能螺絲
-  M3×8 screw ×2
萬能螺絲
-  M3×18 screw ×4
萬能螺絲
-  2×9.8 Shaft ×2
搖臂
-  Bevel gear shaft ×1
半齒軸
-  M5×7×0.3 spacer ×2
墊片
-  E-clip 4.0 ×2
E扣
-  5×10×4 Bearing ×3
軸承
-  8×12×3.5 Bearing ×1
軸承
-  10×15×4 Bearing ×2
軸承

Bevel gear 15T ×1
小半齒Bevel gear 36T ×1
大半齒Link mount ×1
上拉桿座Bevel gear case ×1
大半齒殼Heavy Duty Locker ×1
萬能鎖速車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

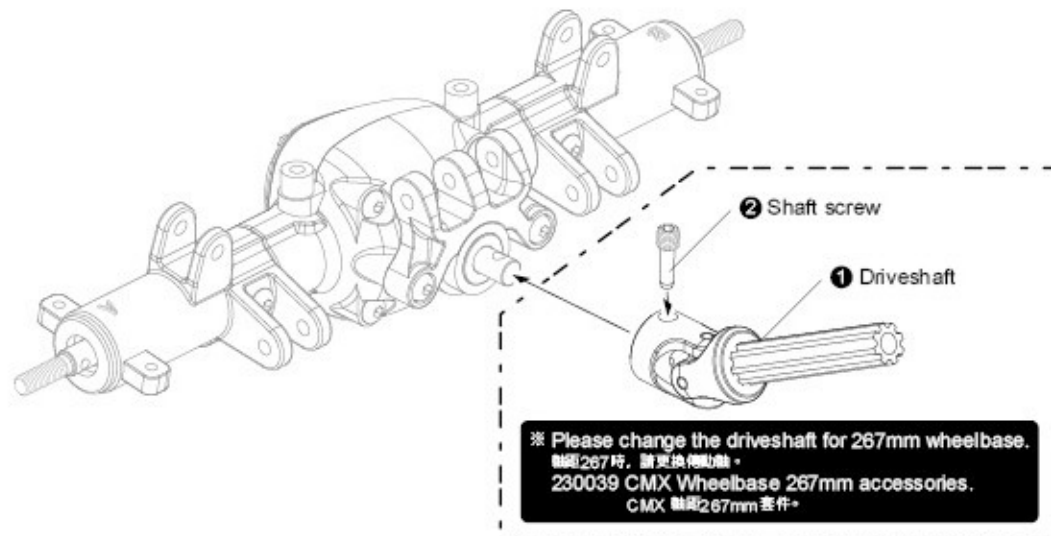
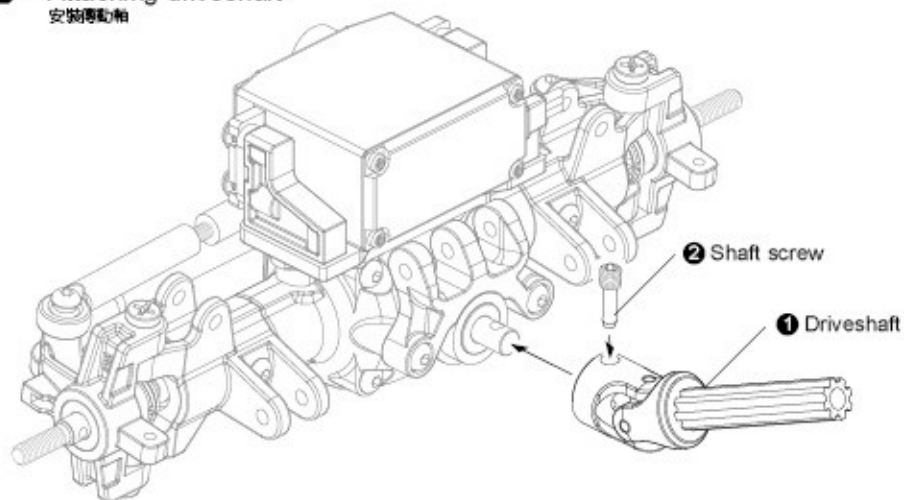
 Lock nut M3 ×6
防鬆螺帽

 M3×18 screw ×4
圓頭螺絲

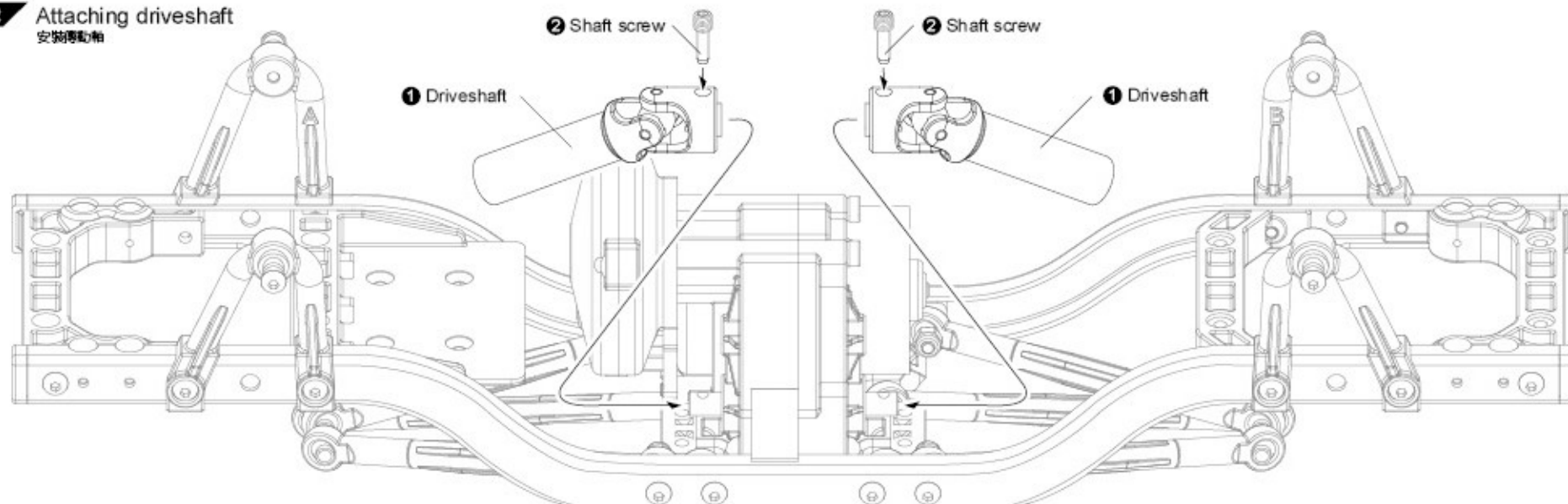
 Shaft screw ×4
銷釘螺絲

 M3×30 screw ×2
圓頭螺絲
Driveshaft ×2
傳動軸**STEP 1** Attaching driveshaft

安裝傳動軸

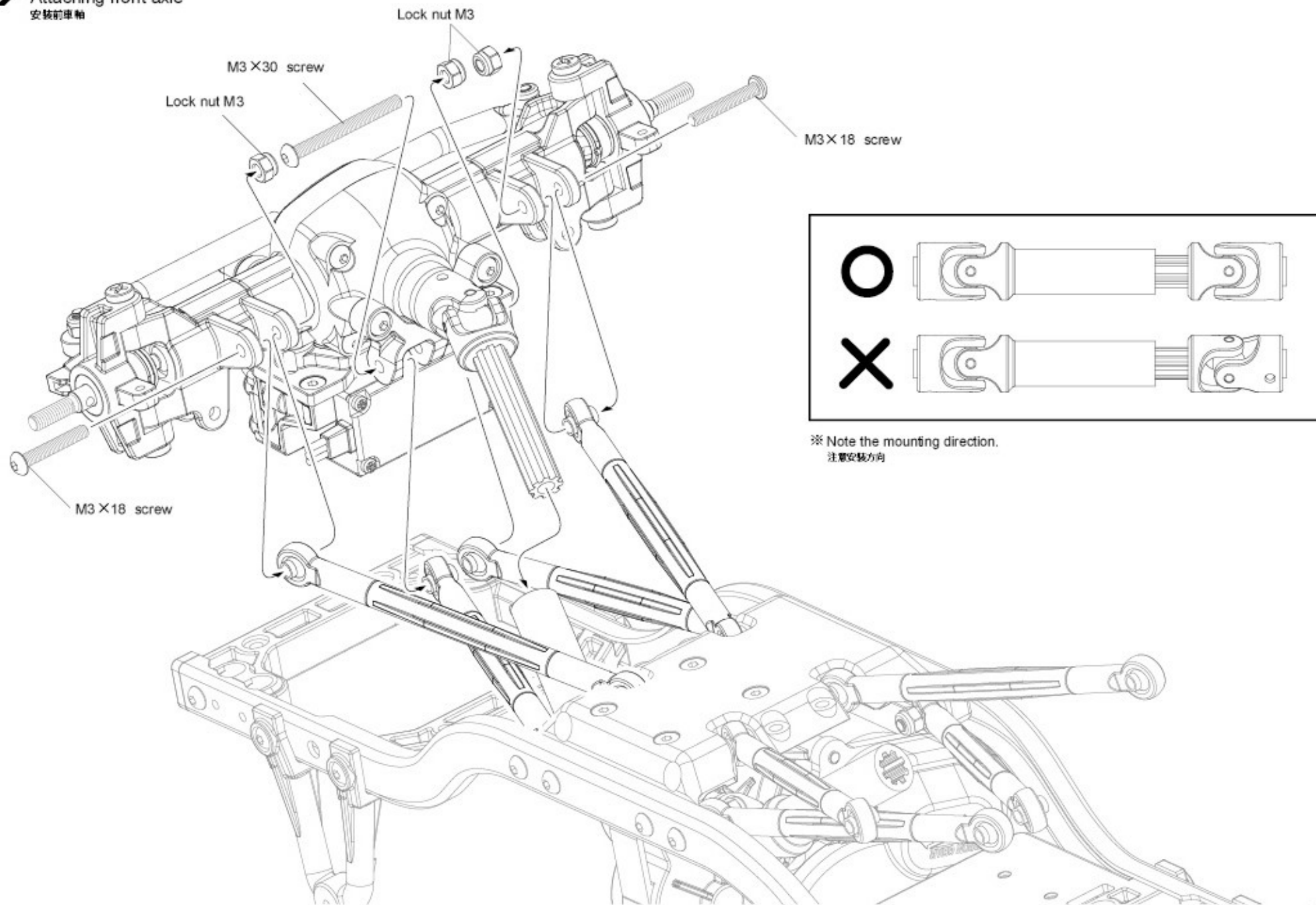
**STEP 2** Attaching driveshaft

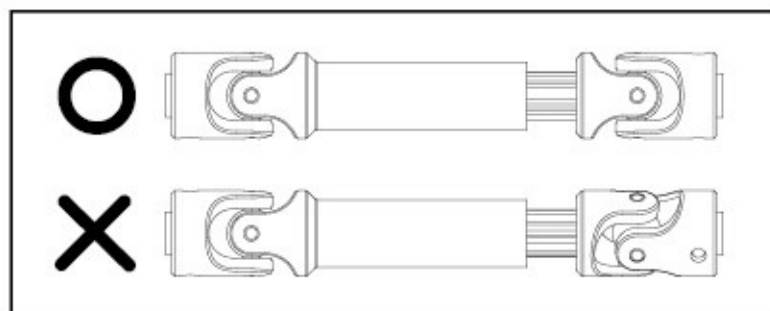
安裝傳動軸



STEP 3 Attaching front axle

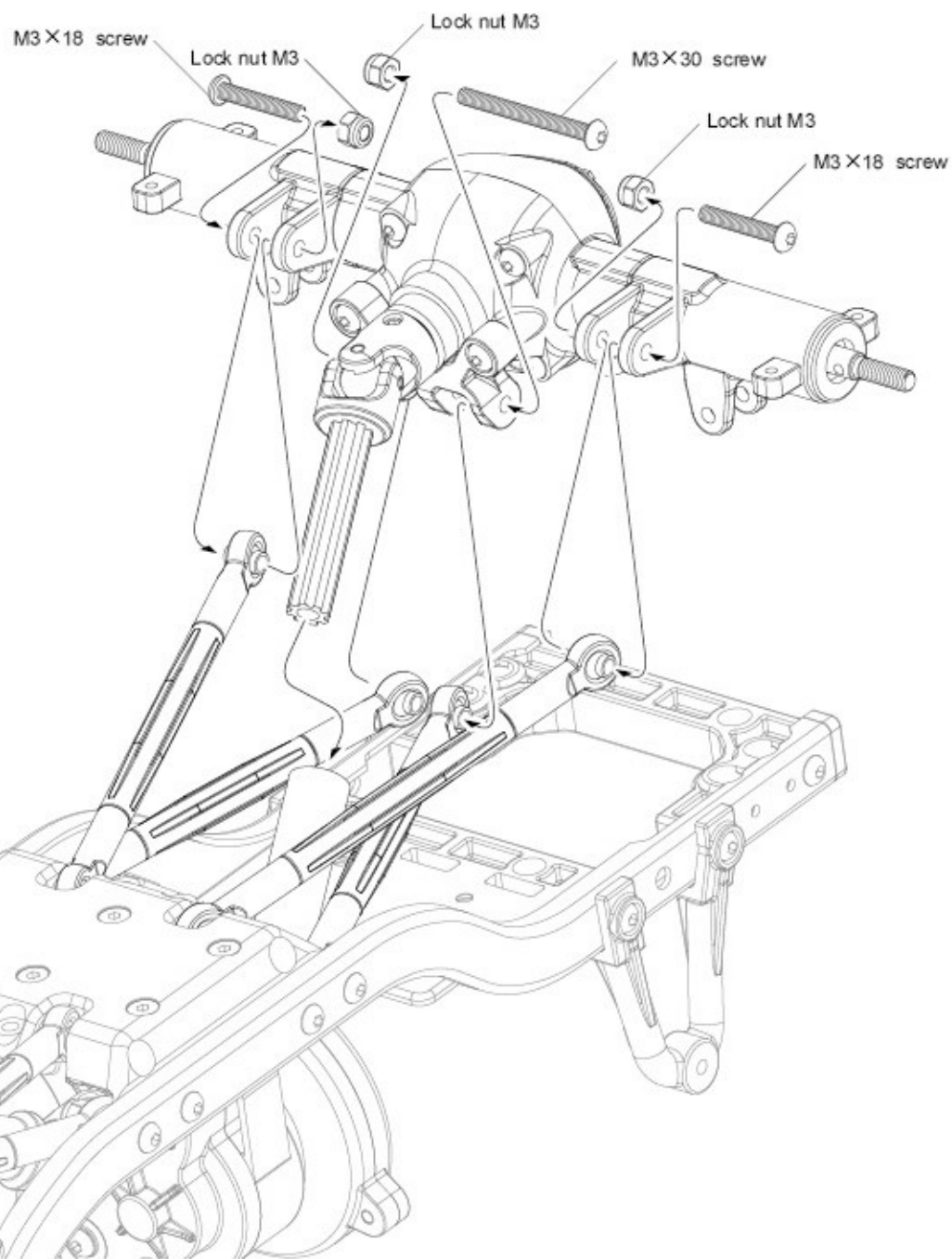
安裝前車軸



STEP 4 Attaching rear axle
安裝後車軸

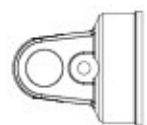
※ Note the mounting direction.
注意安裝方向

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



DAMPER

避震器



Cylinder cap ×4
避震器上蓋



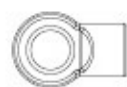
Rod guide cap ×4
避震器下蓋



Damper retainer ×4
避震器彈簧柱



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



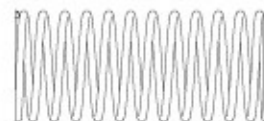
M3×14 screw ×4
圓頭螺絲



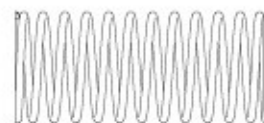
M3×16 screw ×4
圓頭螺絲



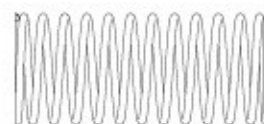
E-clip ×10
E扣



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)



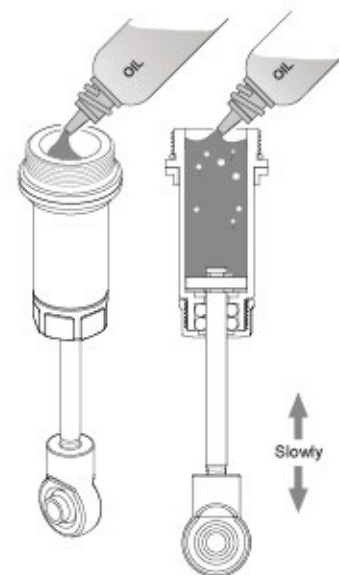
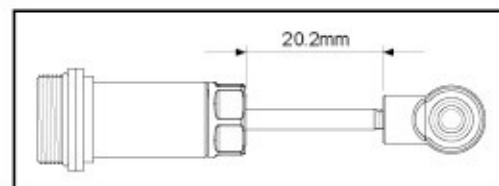
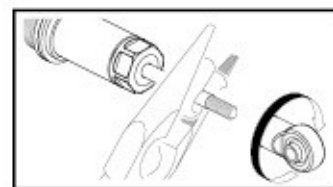
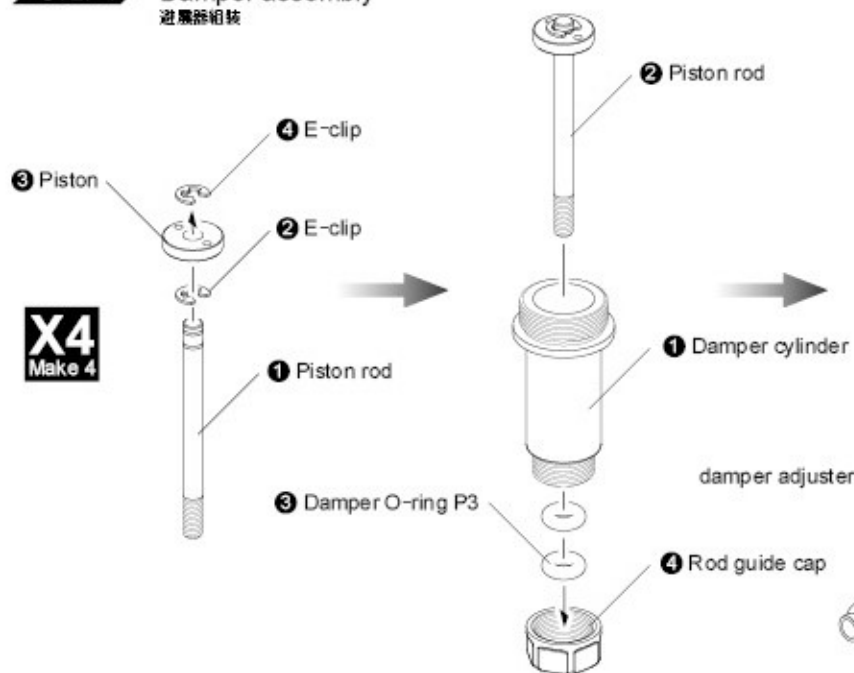
Damper cylinder ×4
避震筒身



Piston rod ×4
避震軸心

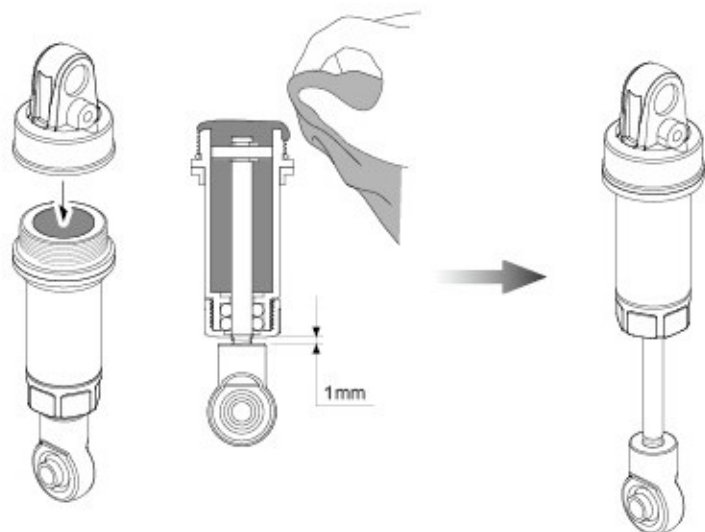
STEP 1 Damper assembly

避震器組裝

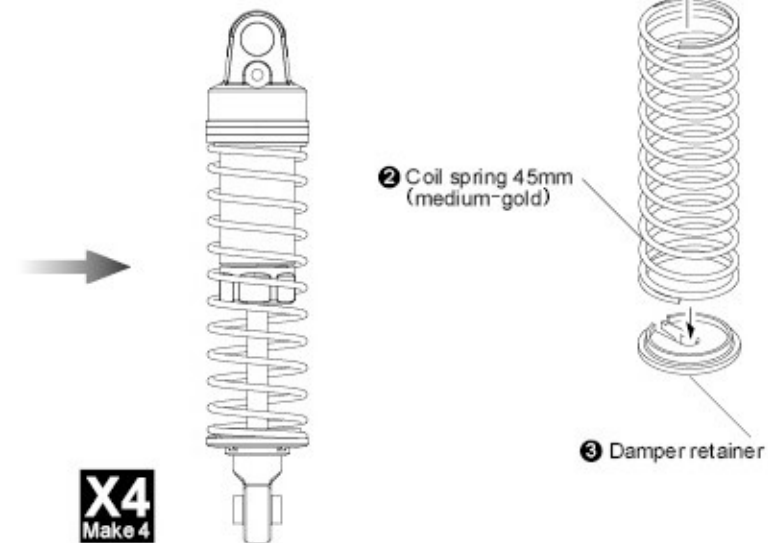


Pull down piston and pour oil into cylinder. Remove air bubbles by slowly moving piston up and down.

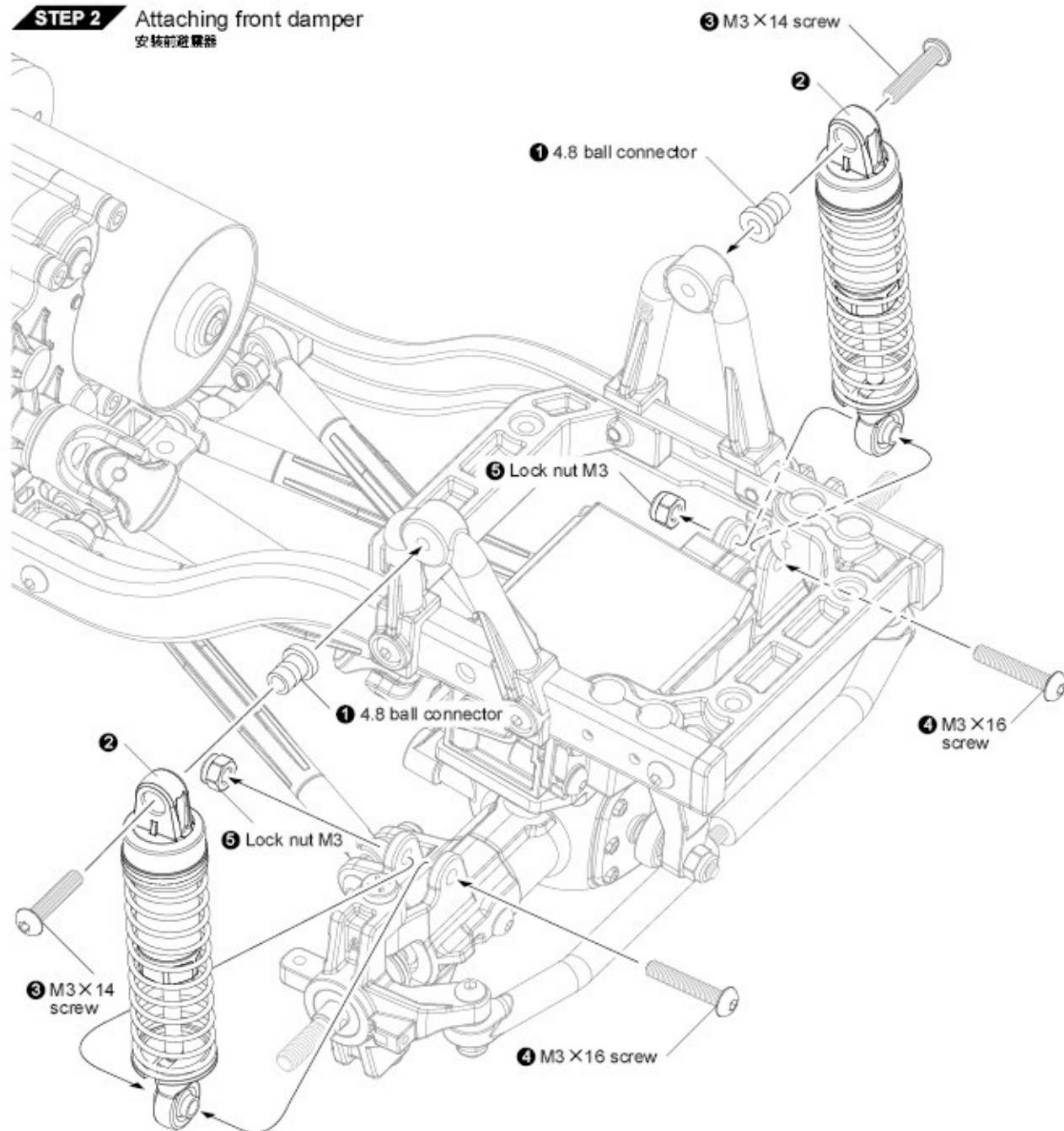
拉下活塞並填入避震油。緩慢上下移動活塞將氣泡移除。

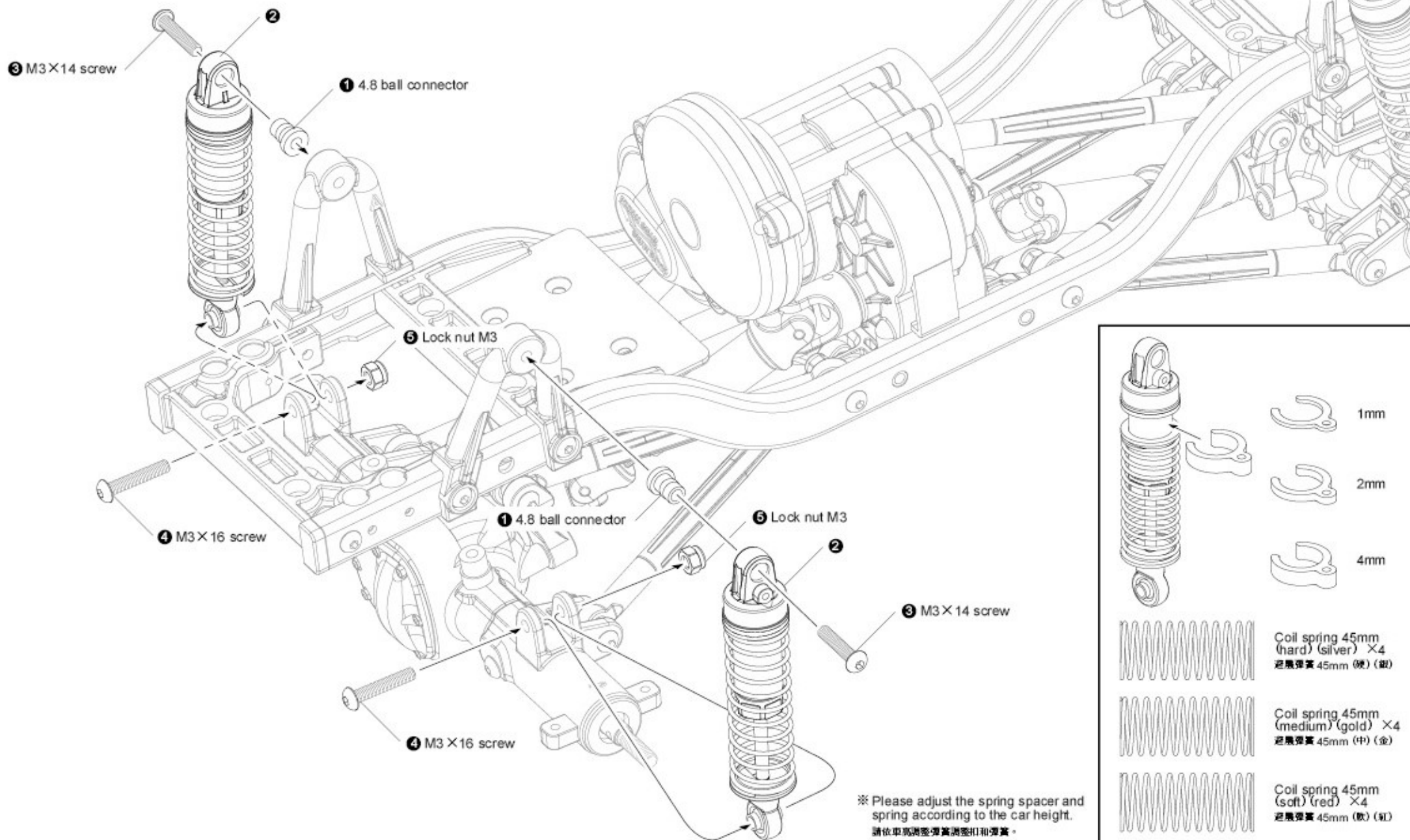
STEP 1 Damper assembly
避震器組裝

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機油。



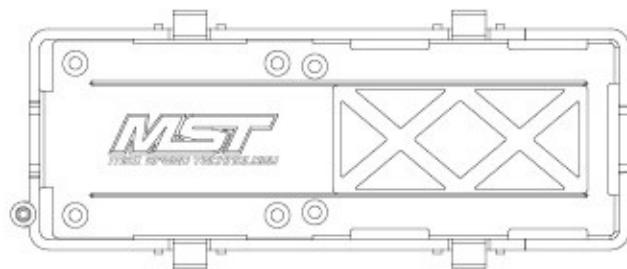
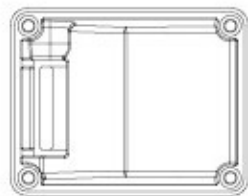
X4
Make 4

STEP 2 Attaching front damper
安裝前避震器

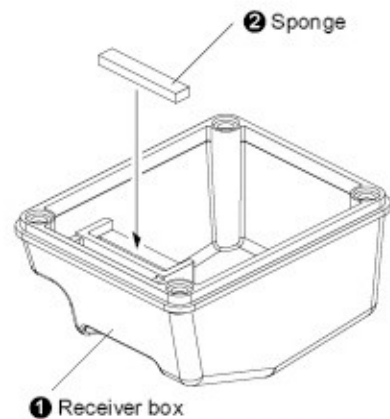
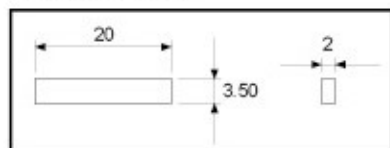
STEP 3 Attaching rear damper
安裝後避震器

BATTERY MOUNT

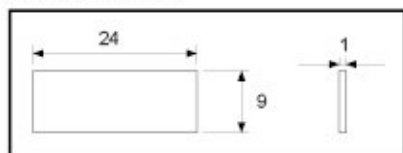
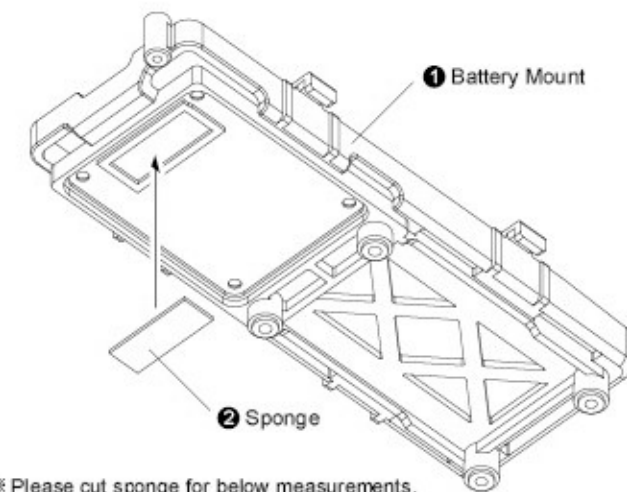
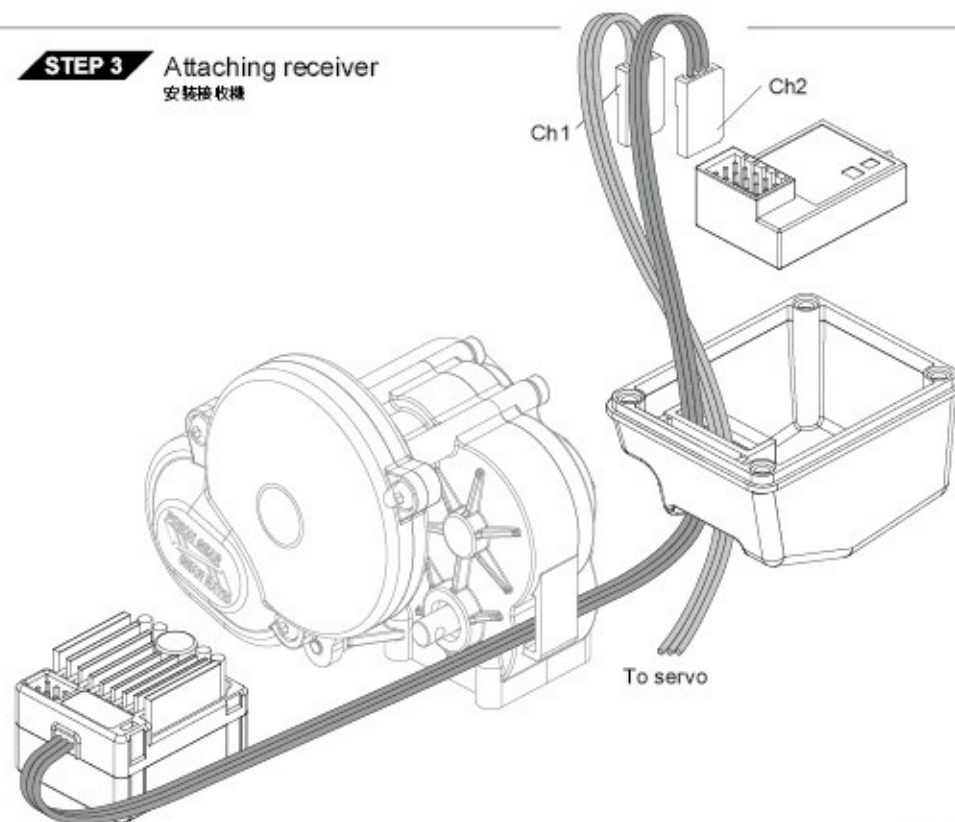
電池座, 接收機盒

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。

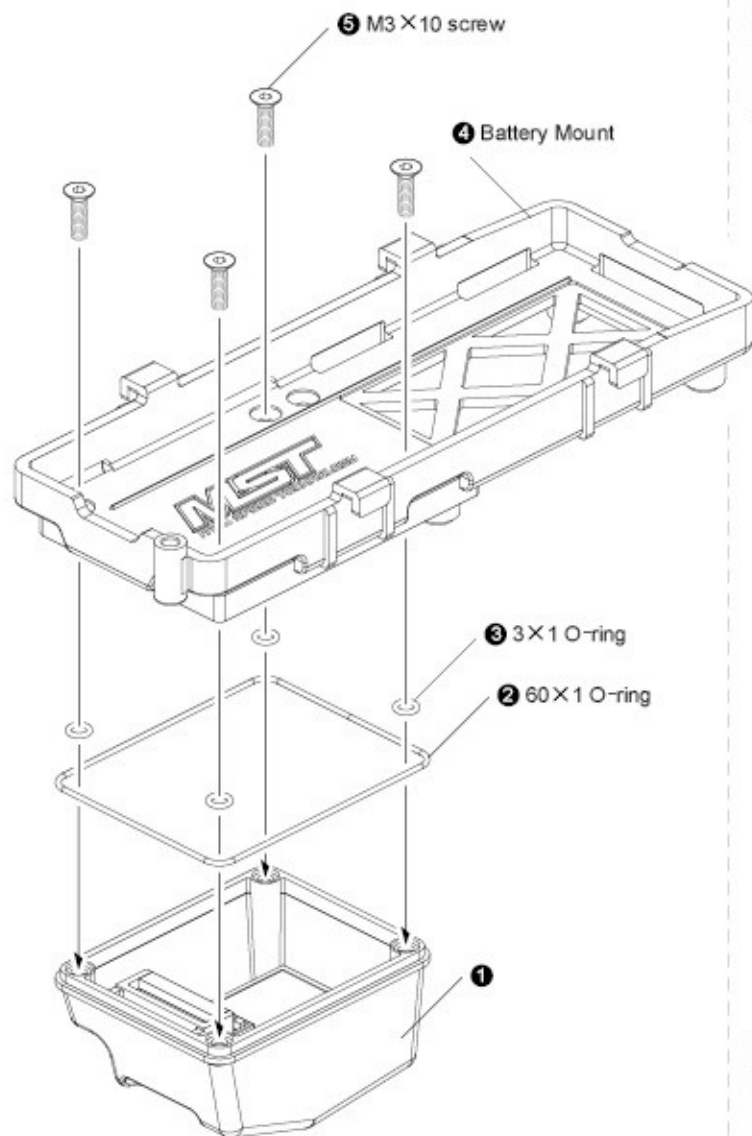
STEP 2 Attaching sponge
安裝泡棉

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

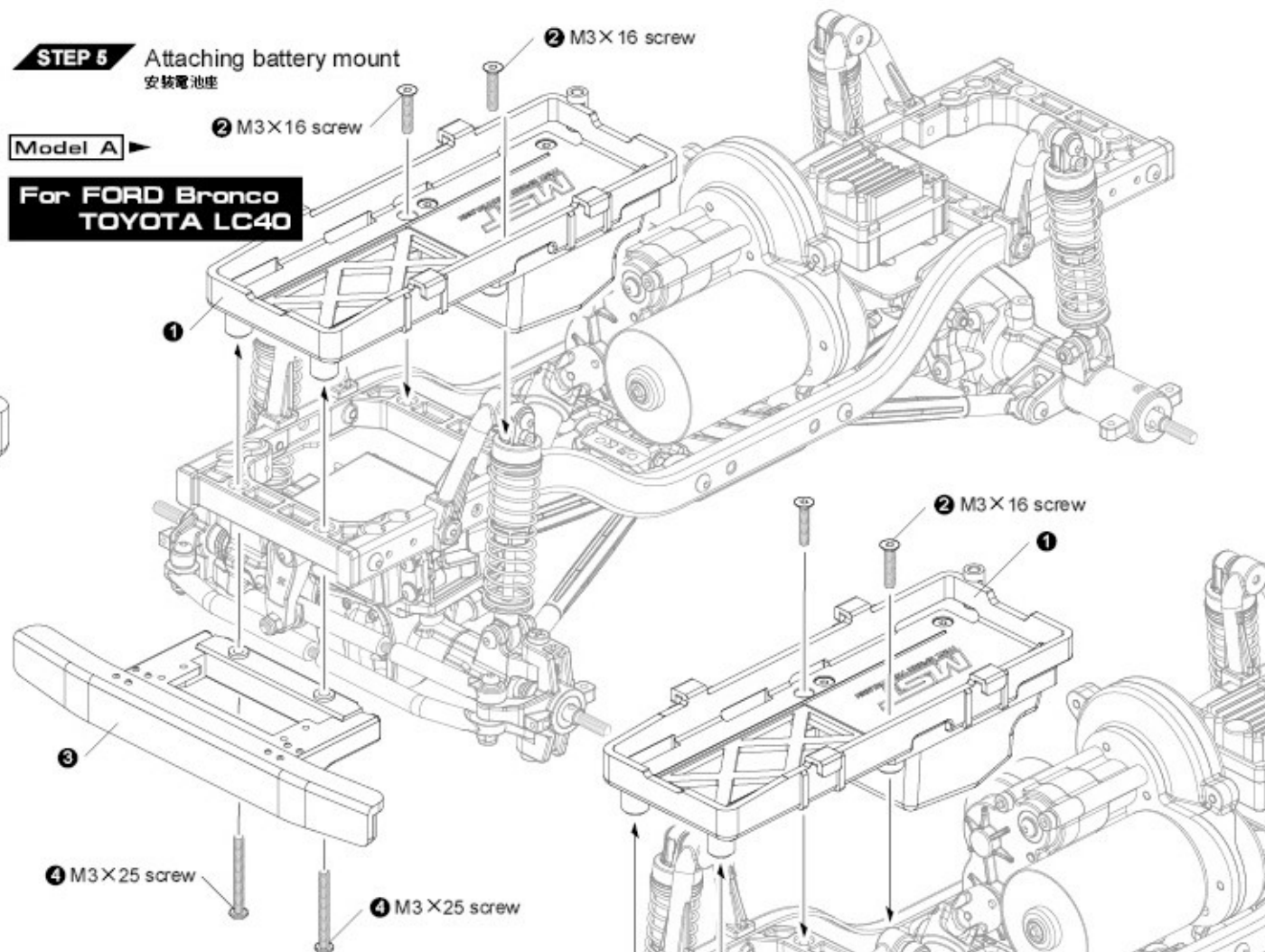
STEP 3 Attaching receiver
安裝接收機

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

③ M3 X 14 screw

② M3 X 16 screw

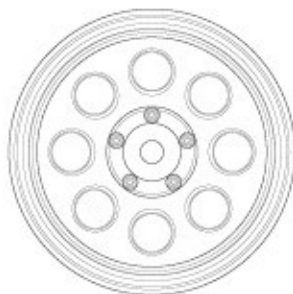
①

CMX 25

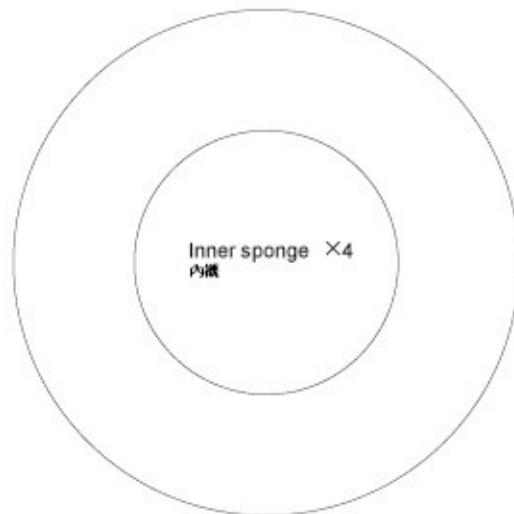
※ Please make the object as the standard.
請以實物為主。

2×9.8 Shaft ×4
橫銷

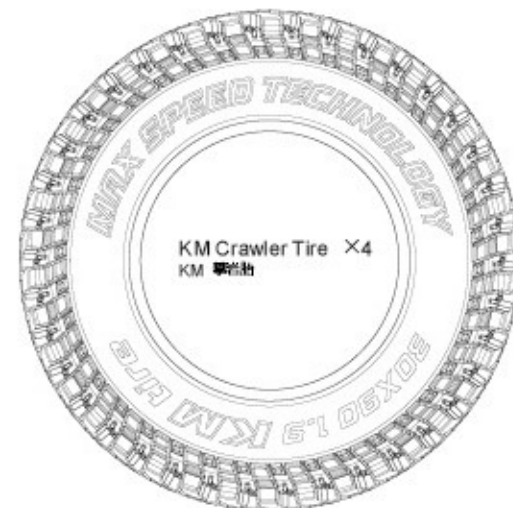
M4 flange nut ×4
凸緣螺帽



Wheel ×4
輪缸

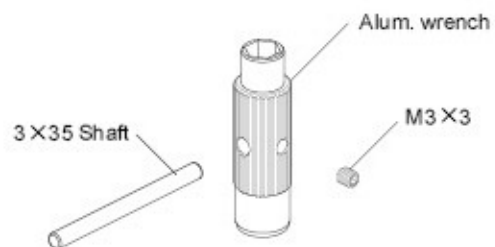


Inner sponge ×4
內纖

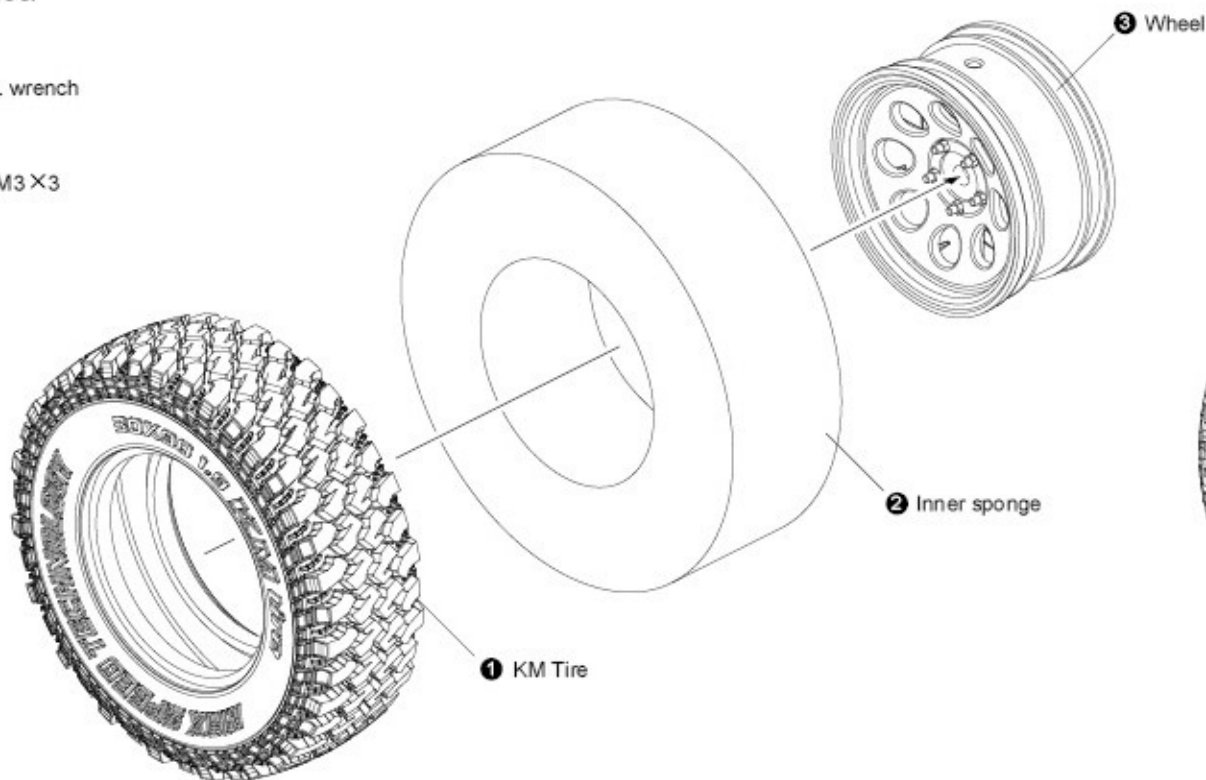


KM Crawler Tire ×4
KM 爬地胎

STEP 1 Assemble tire and wheel 胎框組合



X4
Make 4



※ Adhesive
上膠固定。

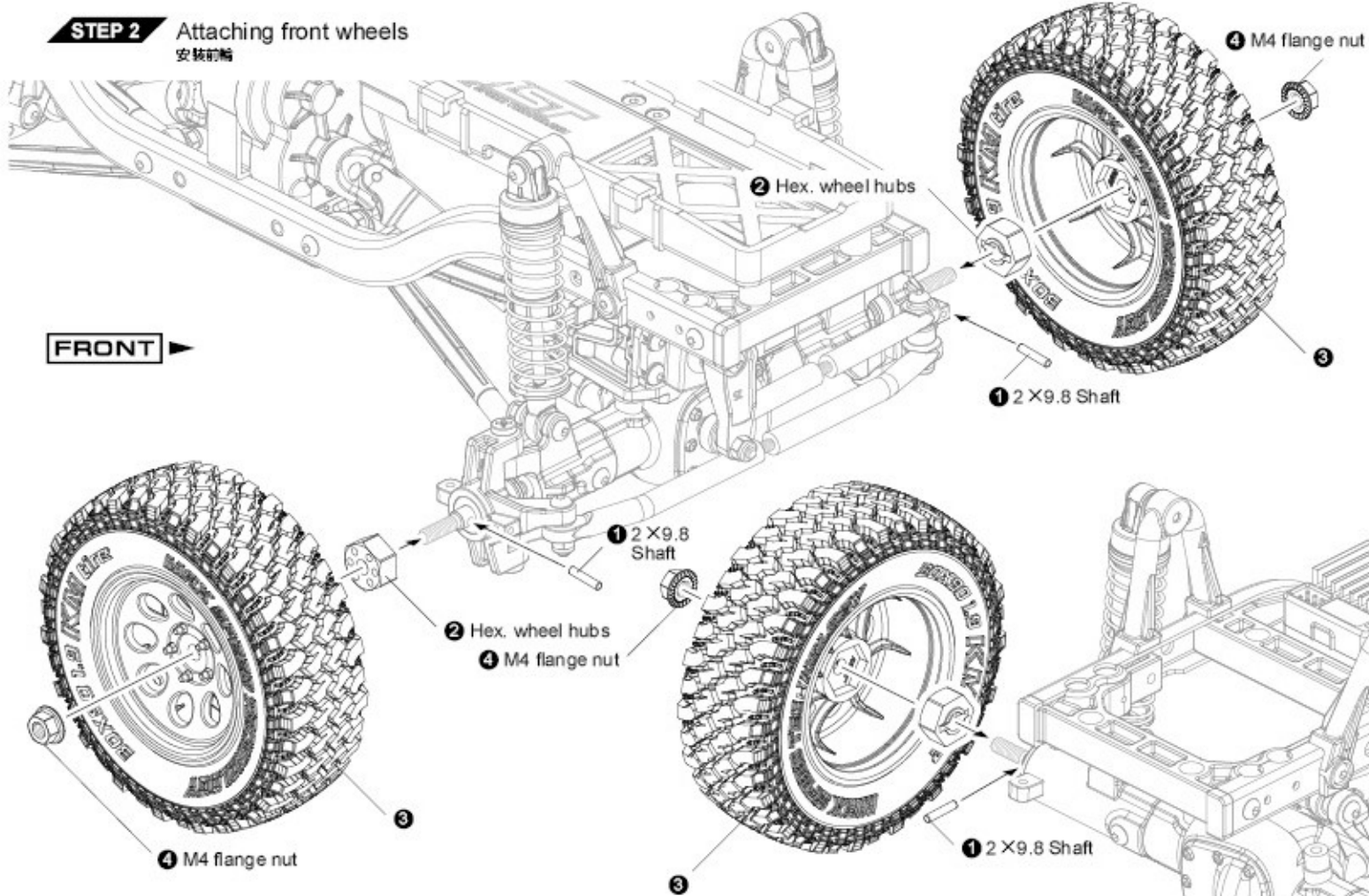
※ Glue on both sides.
兩側都須上膠。

CA GLUE

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

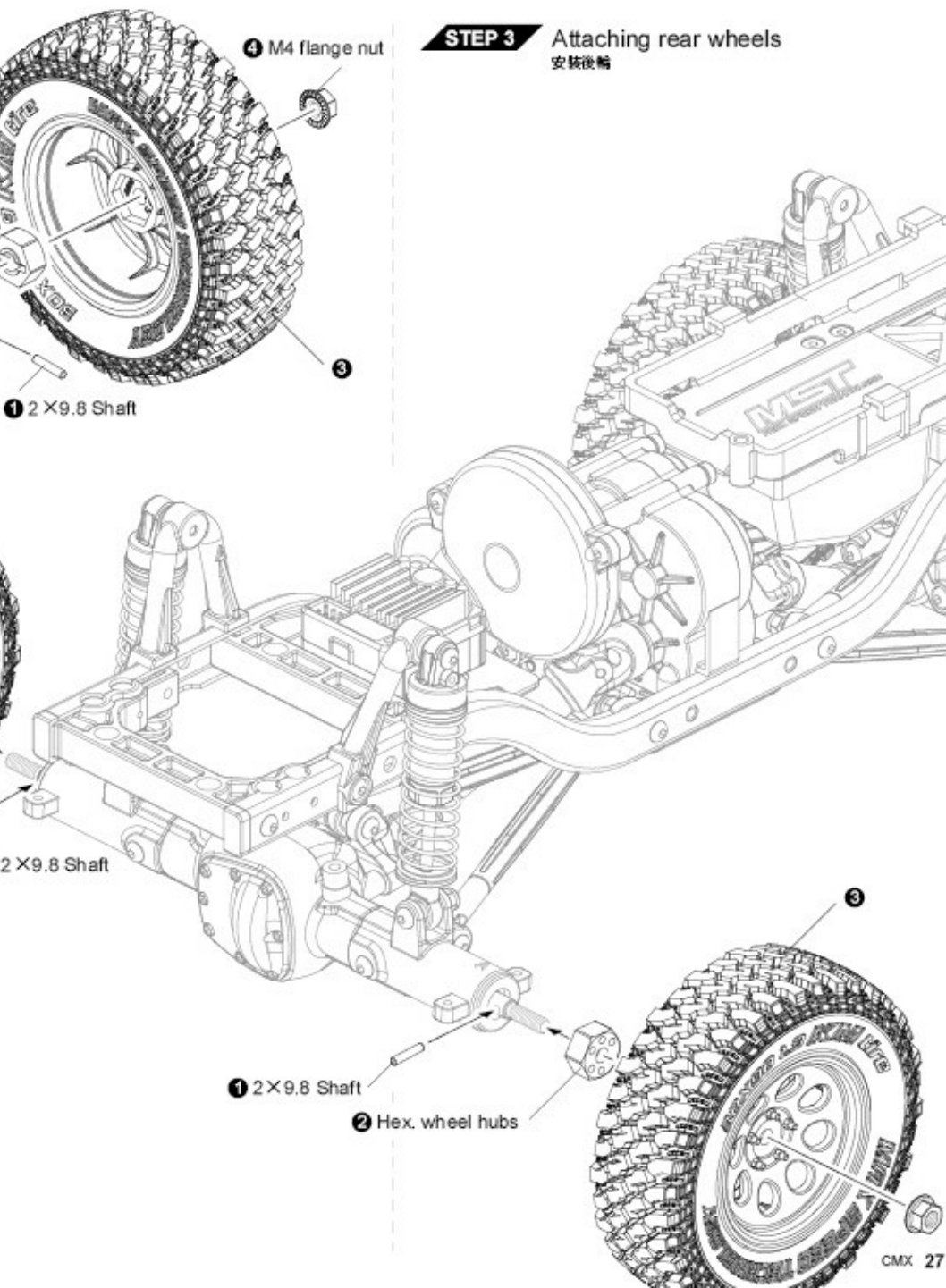
STEP 2 Attaching front wheels

安裝前輪



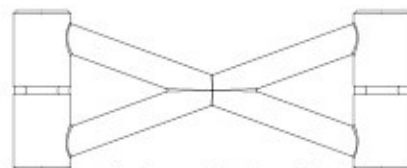
STEP 3 Attaching rear wheels

安裝後輪



BODY MOUNTS

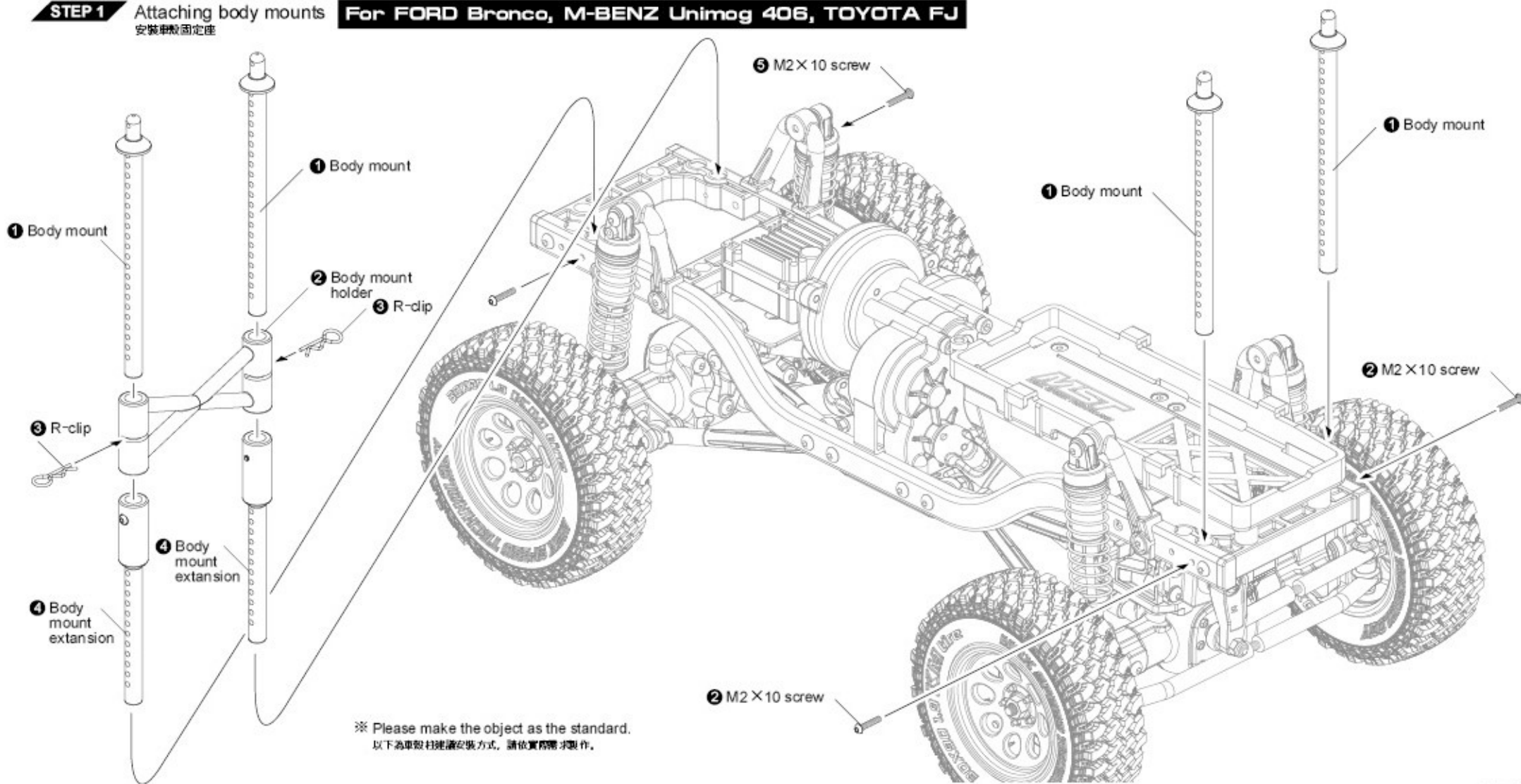
車殼固定座

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

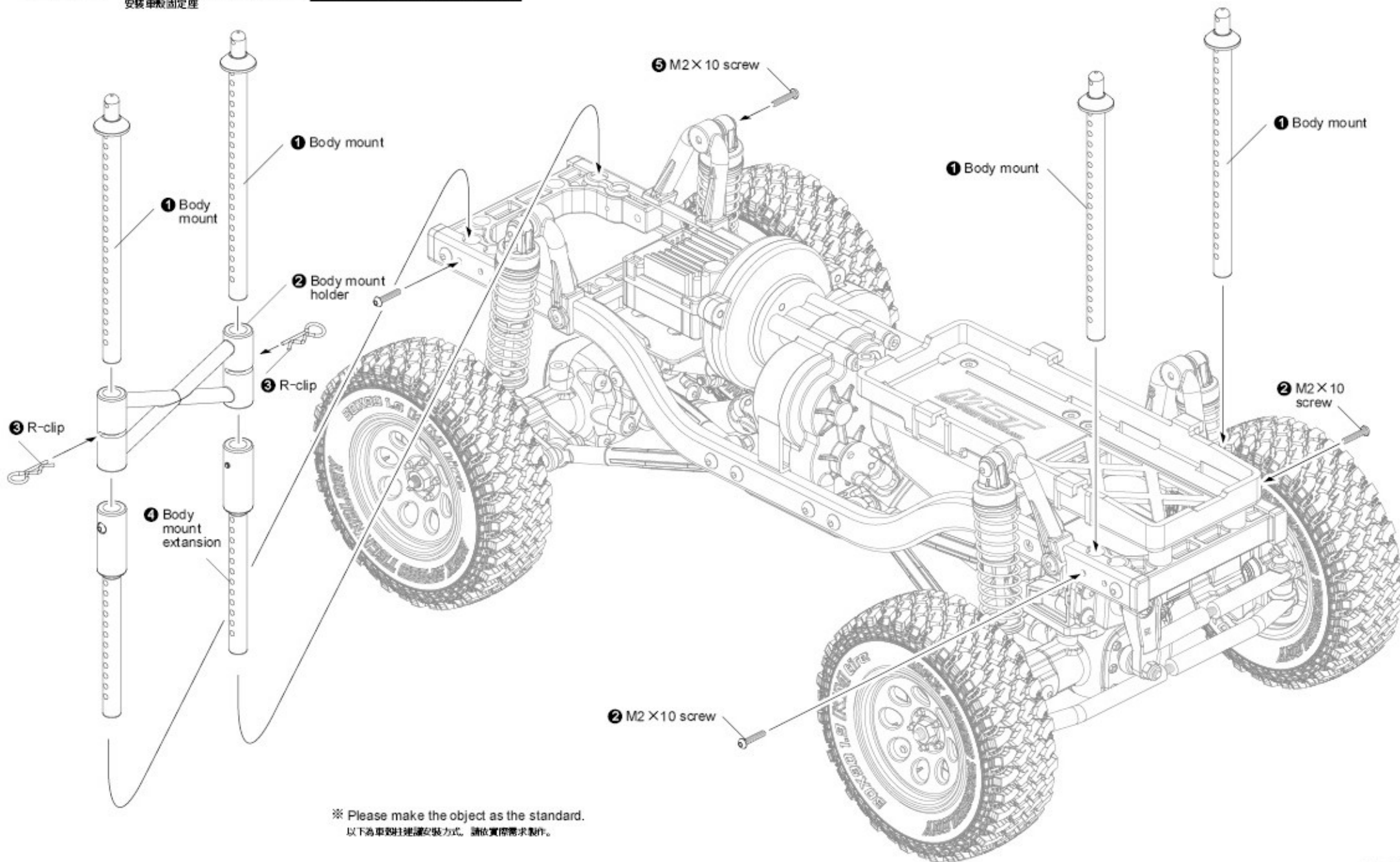
For FORD Bronco, M-BENZ Unimog 406, TOYOTA FJ



STEP 1 Attaching body mounts

安裝車殼固定座

For TOYOTA LC40



※ Please make the object as the standard.
 以下為車殼掛柱建議安裝方式，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

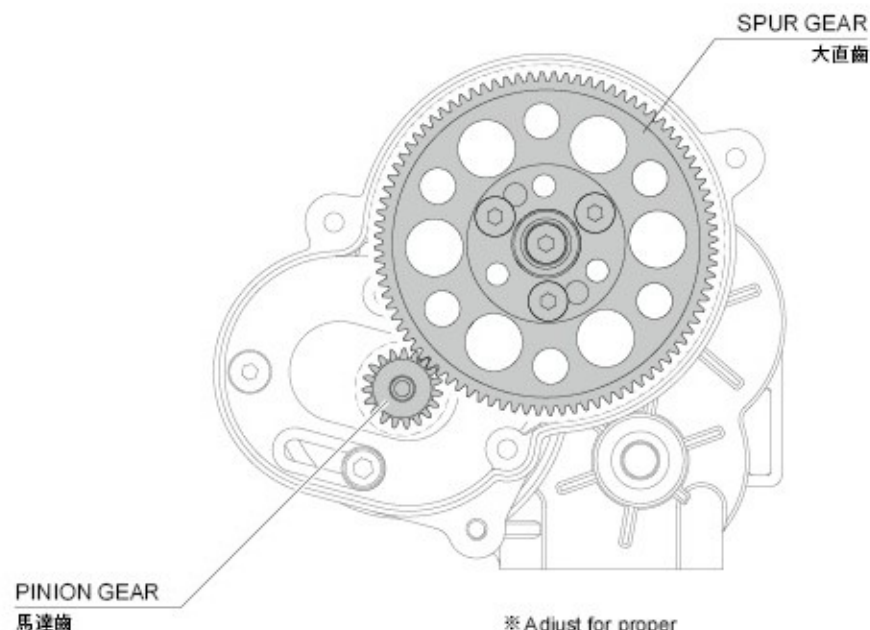
※ Please refer to MST office website for completed pinion specifications.

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.

齒比的選擇會因機體規格、場地形態、車子手感，而有不同選擇。
可先參考當地配置後再選擇齒比！



※ Adjust for proper space.
請調整空齒齒隙。

* 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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MAX SPEED TECHNOLOGY



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