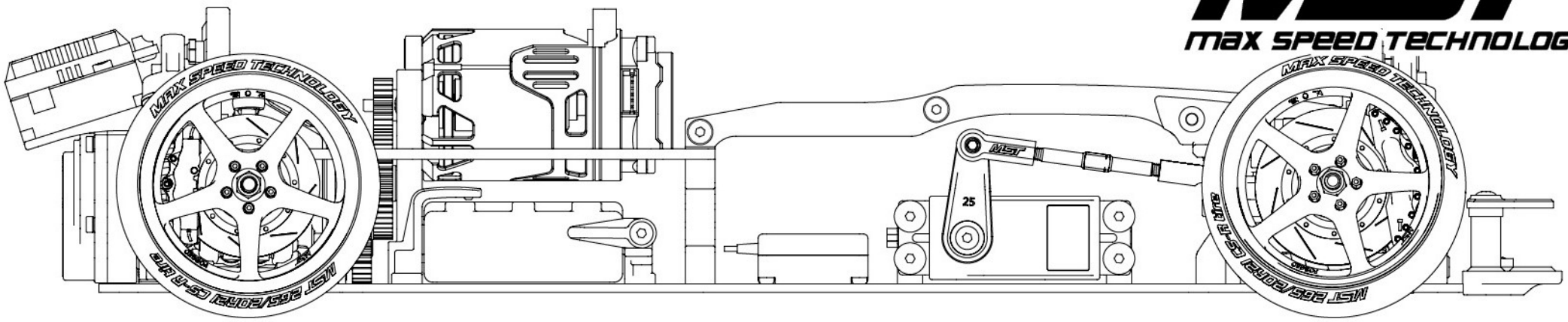
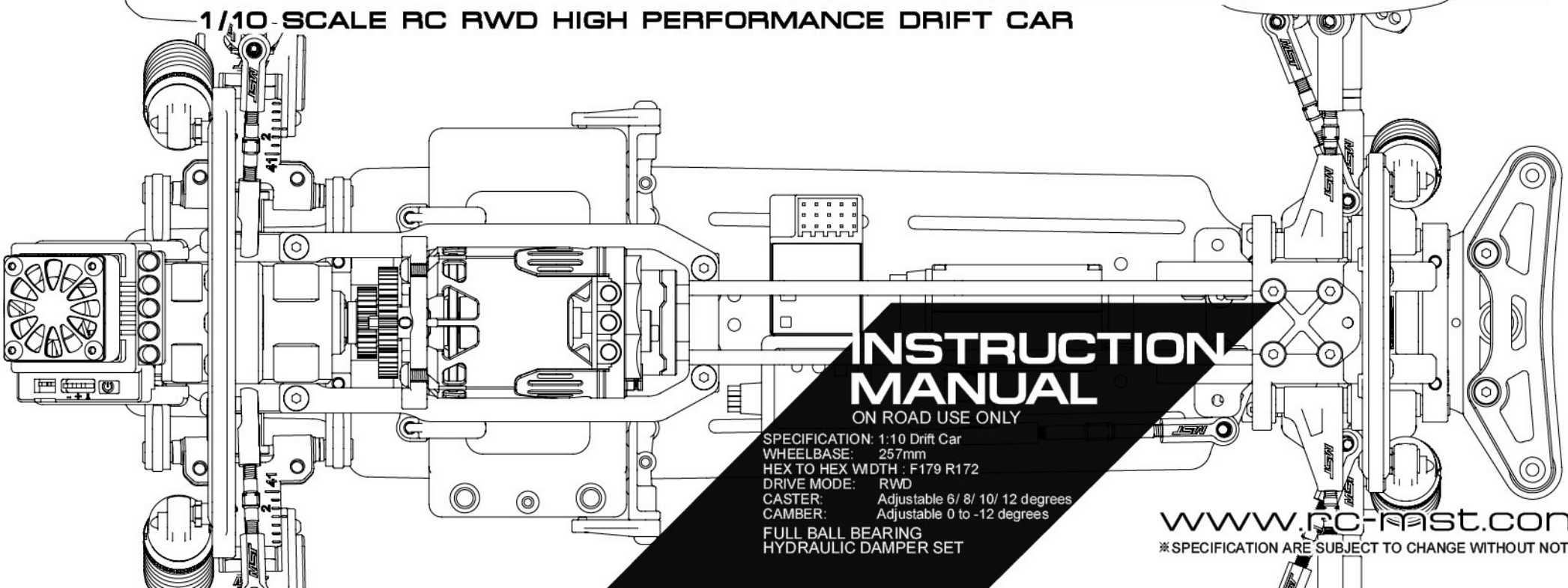
MST
max speed technology



MRX S PRO

1/10 SCALE RC RWD HIGH PERFORMANCE DRIFT CAR



INSTRUCTION MANUAL

ON ROAD USE ONLY

SPECIFICATION: 1:10 Drift Car
WHEELBASE: 257mm
HEX TO HEX WIDTH : F179 R172
DRIVE MODE: RWD
CASTER: Adjustable 6/ 8/ 10/ 12 degrees
CAMBER: Adjustable 0 to -12 degrees

FULL BALL BEARING
HYDRAULIC DAMPER SET

www.rc-mst.com

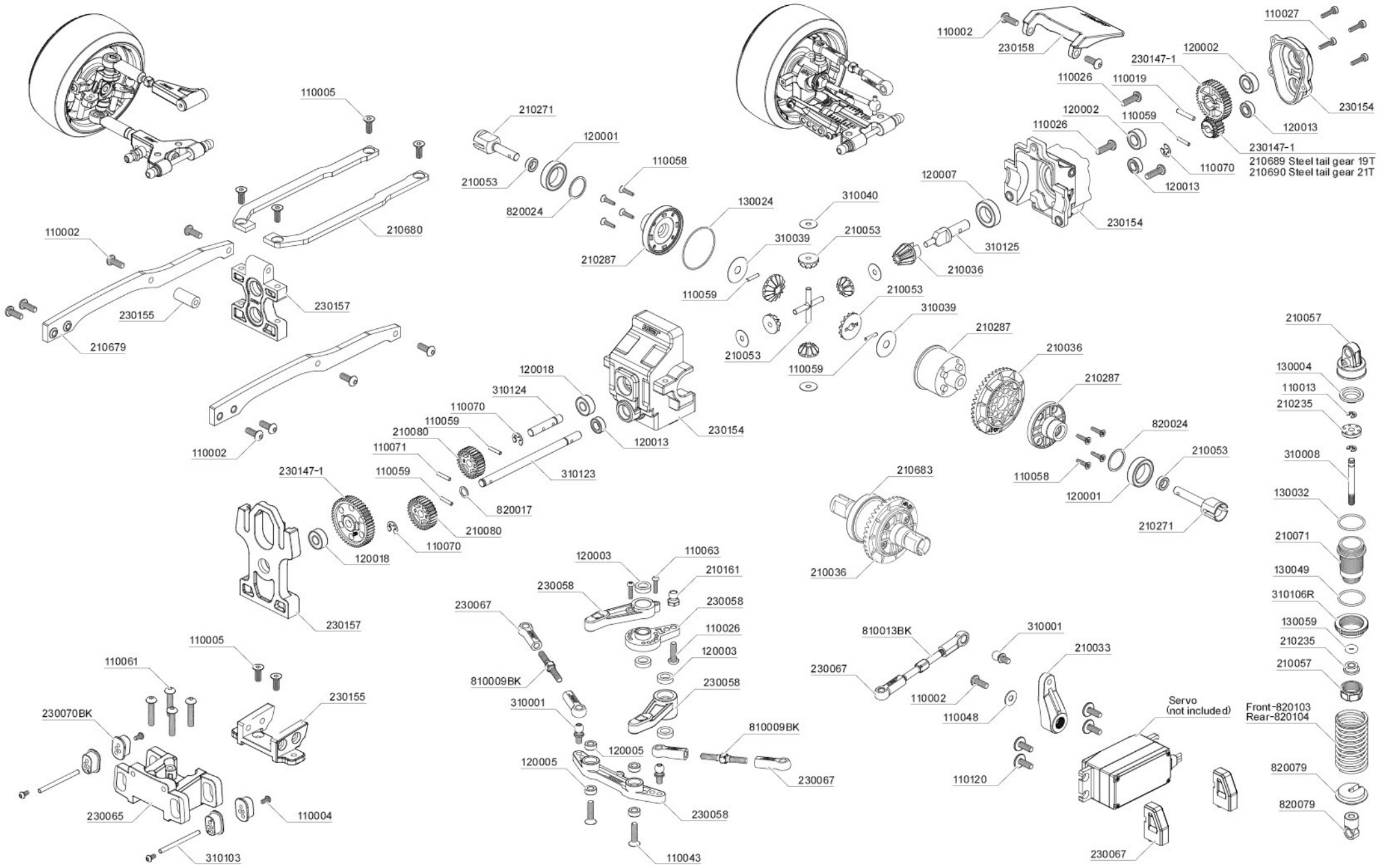
※SPECIFICATION ARE SUBJECT TO CHANGE WITHOUT NOTICE

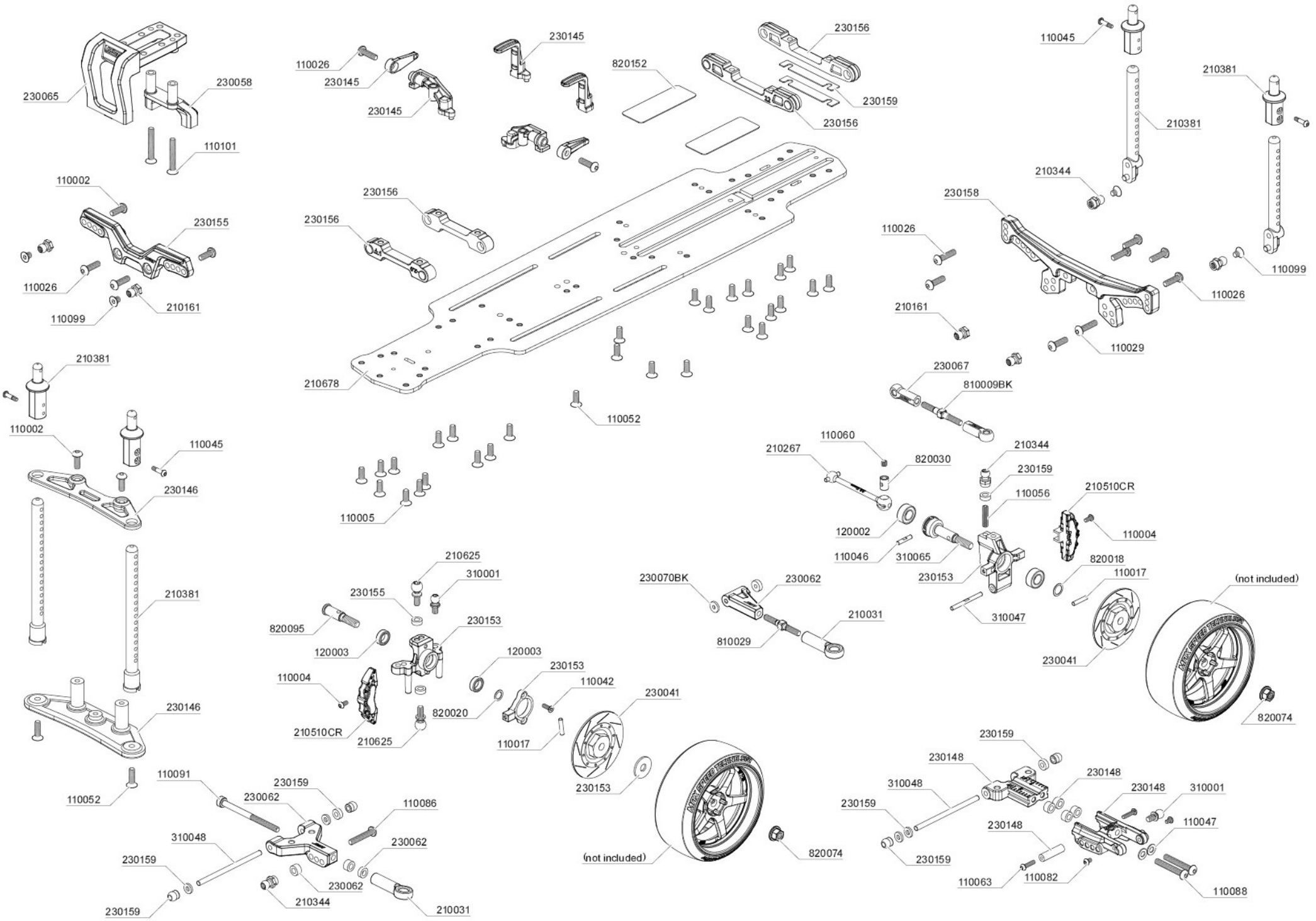
MRX S PRO

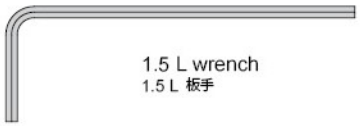
1/10 SCALE RC RWD HIGH PERFORMANCE DRIFT CAR

EXPLODED VIEW

MST max speed technology




230065
230058
110101
110002
230155
110026
110099
210161
110026
230145
230145
230145
230156
230156
820152
230156
230159
230156
210678
110052
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110045
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110052
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110056
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110004
120002
110046
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(not included)
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230153
120003
110004
210510CR
210625
120003
230153
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110017
230041
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(not included)
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110082
110088



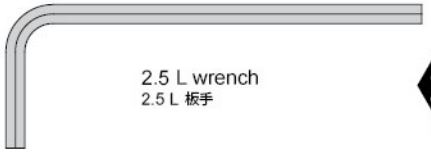
1.5 L wrench
1.5 L 板手

1.5 Hex



2.0 L wrench
2.0 L 板手

2.0 Hex

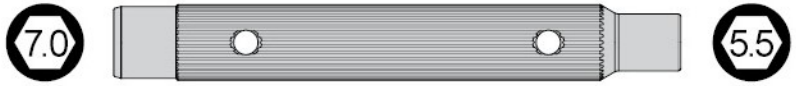


2.5 L wrench
2.5 L 板手

2.5 Hex



5.5×4.0 wrench
5.5×4.0 板手



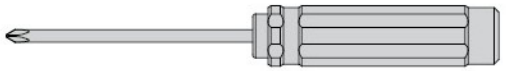
5.5 & 7.0 alum. wrench
5.5 & 7.0 套筒板手

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

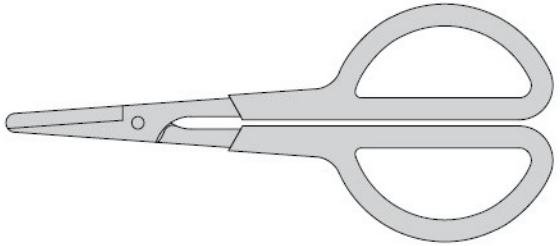
NECESSARY TOOLS FOR ASSEMBLY 工具需求
(NOT INCLUDED IN KIT) [另購]



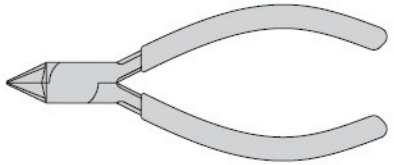
Hobby knife
美工刀



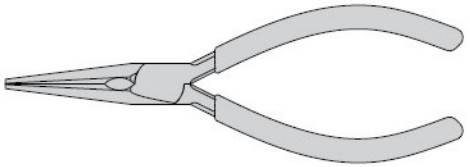
Screwdriver
螺絲起子



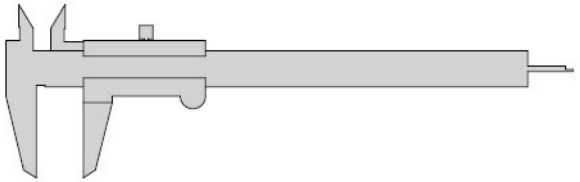
Scissors
剪刀



Side cutter
斜口鉗



Needle nose pliers
尖嘴鉗



Vernier caliper
游標卡尺

Front lower arm ×2
前下擺臂

Suspension mount (-2.0) ×2
下擺臂座 (-2.0)

5.8×26 Adjuster ×2
拉桿頭

2.5×5 Suspension balls ×4
懸吊球頭

2.5×5.5×1 Spacer ×4
墊片

2.5×5.5×2 Spacer ×2
墊片

3×5.5×3 Spacer ×4
墊片

3×5.5×2 Spacer ×2
墊片

2.5×46 Arm shaft ×2
擺臂插銷

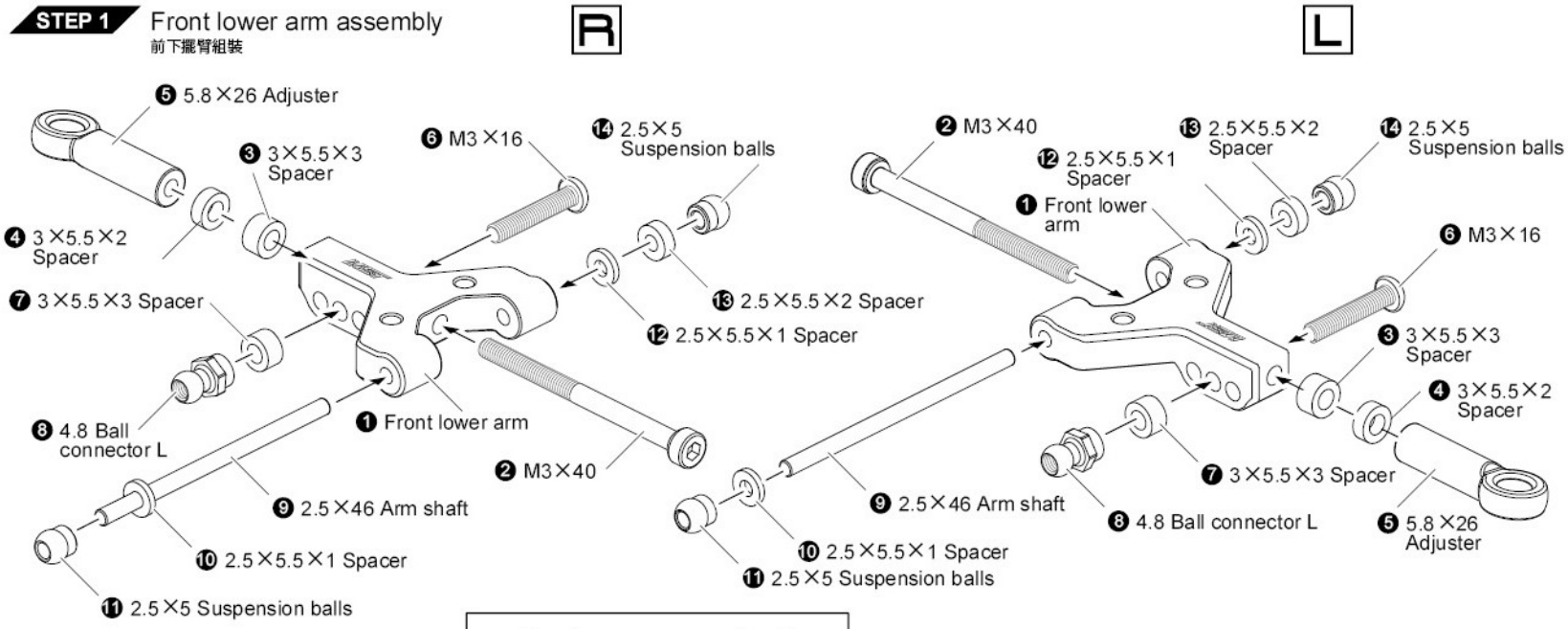
M3×45 screw ×2
有頭螺絲(半牙)

M3×16 screw ×2
圓頭螺絲

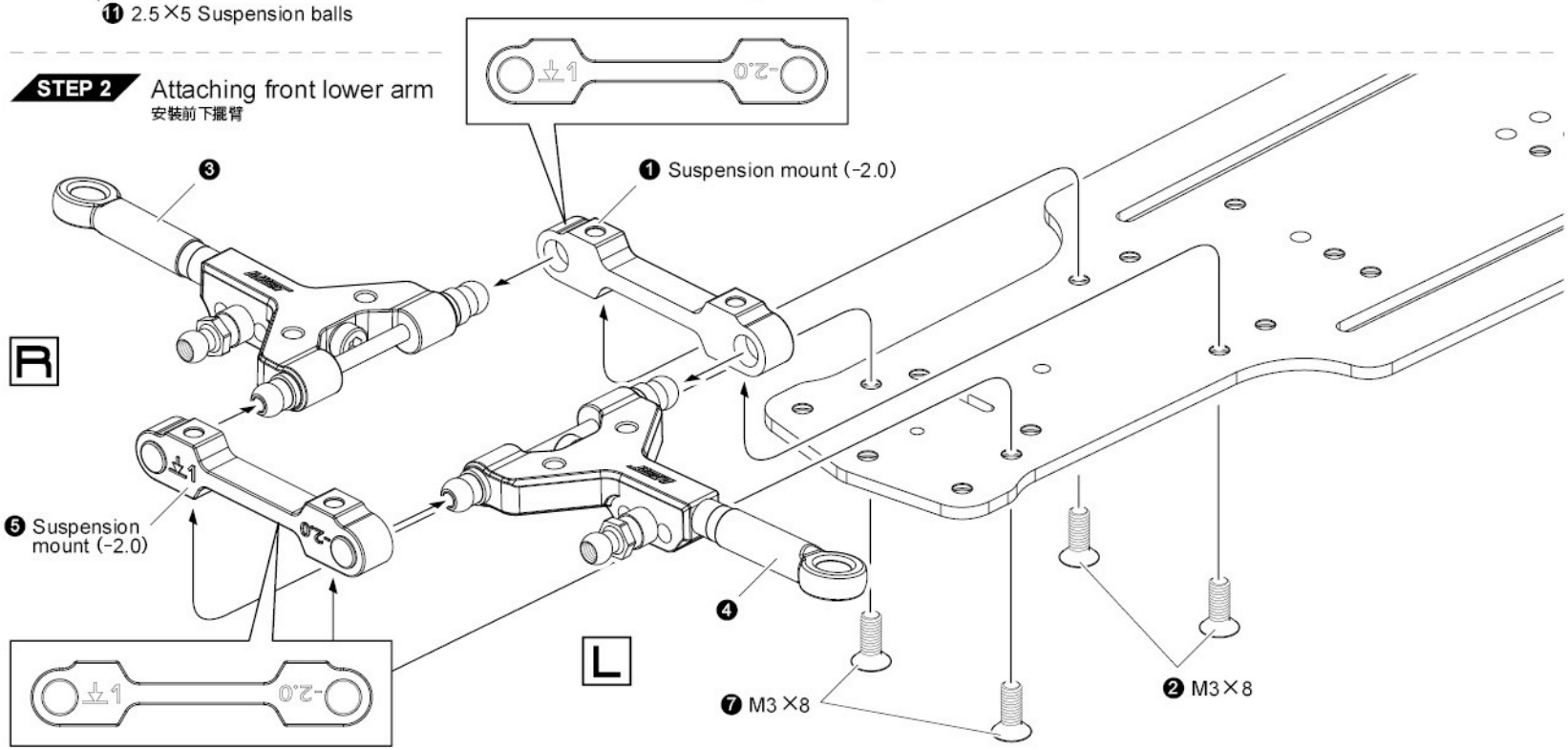
M3×8 screw ×4
沉頭螺絲

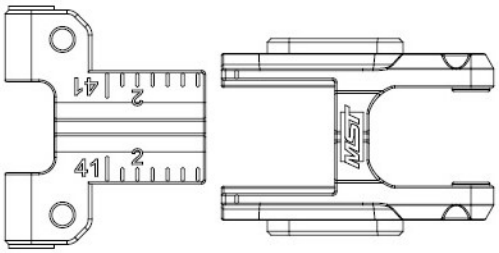
4.8 Ball connector L ×2
外六角球頭 (長)

STEP 1 Front lower arm assembly
前下擺臂組裝



STEP 2 Attaching front lower arm
安裝前下擺臂





Rear lower arm A ×2
後下擺臂 A

Rear lower arm B ×2
後下擺臂 B



Suspension mount (+12) ×1
下擺臂座 (+12)



Suspension mount (+13) ×1
下擺臂座 (+13)



Suspension mount spacer 0.5mm ×2
擺臂座墊片 0.5mm



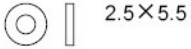
2.5×46 Arm shaft ×2
擺臂插銷



2.5×5 Suspension balls ×4
懸吊球頭



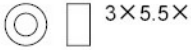
4×15 Strengthen post ×2
補強柱



2.5×5.5×1 Spacer ×4
墊片



2.5×5.5×2 Spacer ×2
墊片



3×5.5×3 Spacer ×8
墊片



3×6×0.5 Spacer ×4
墊片



M2×8 screw ×4
圓頭螺絲



M3×20 screw ×4
圓頭螺絲

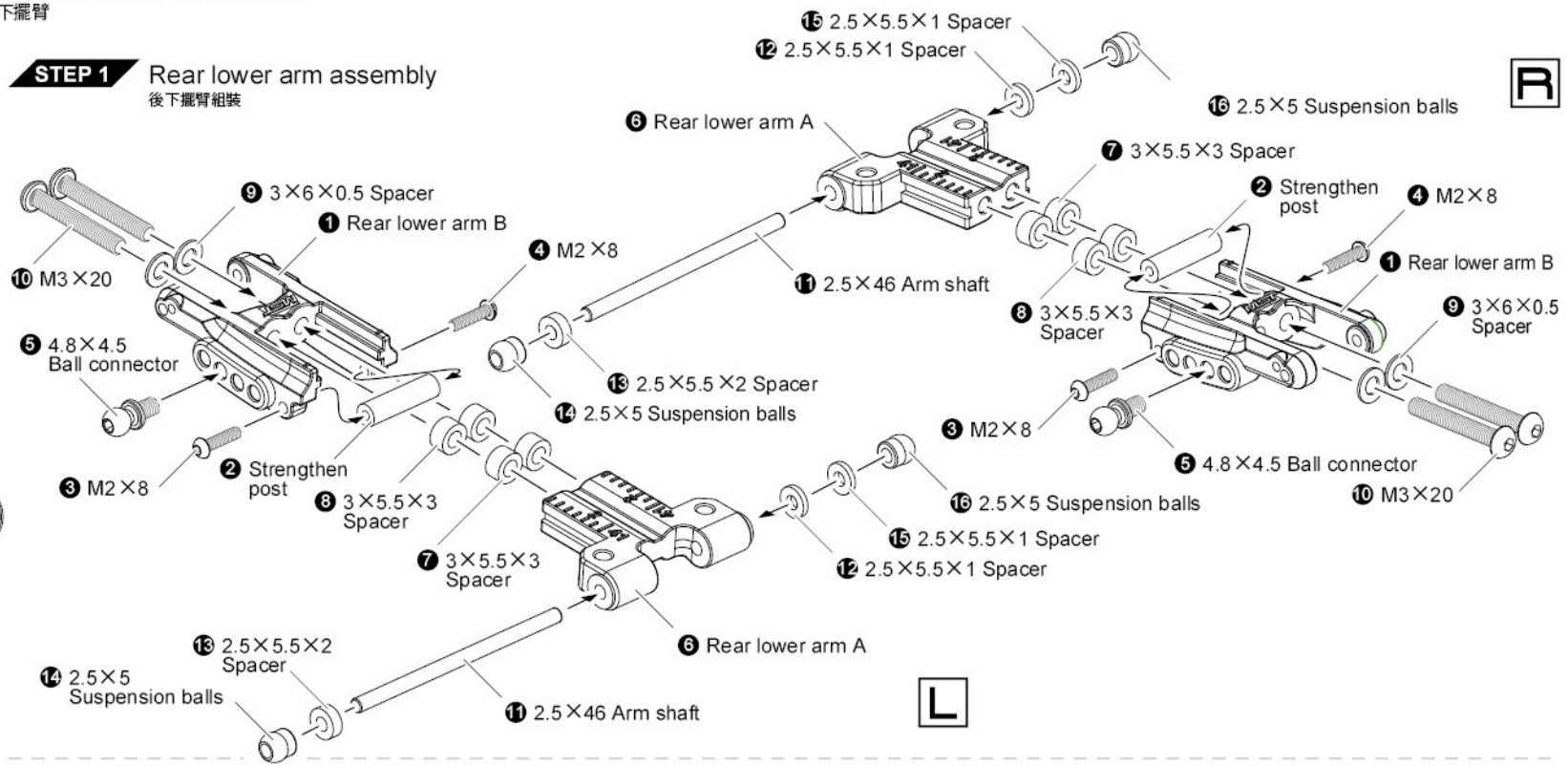


M3×8 screw ×4
沉頭螺絲

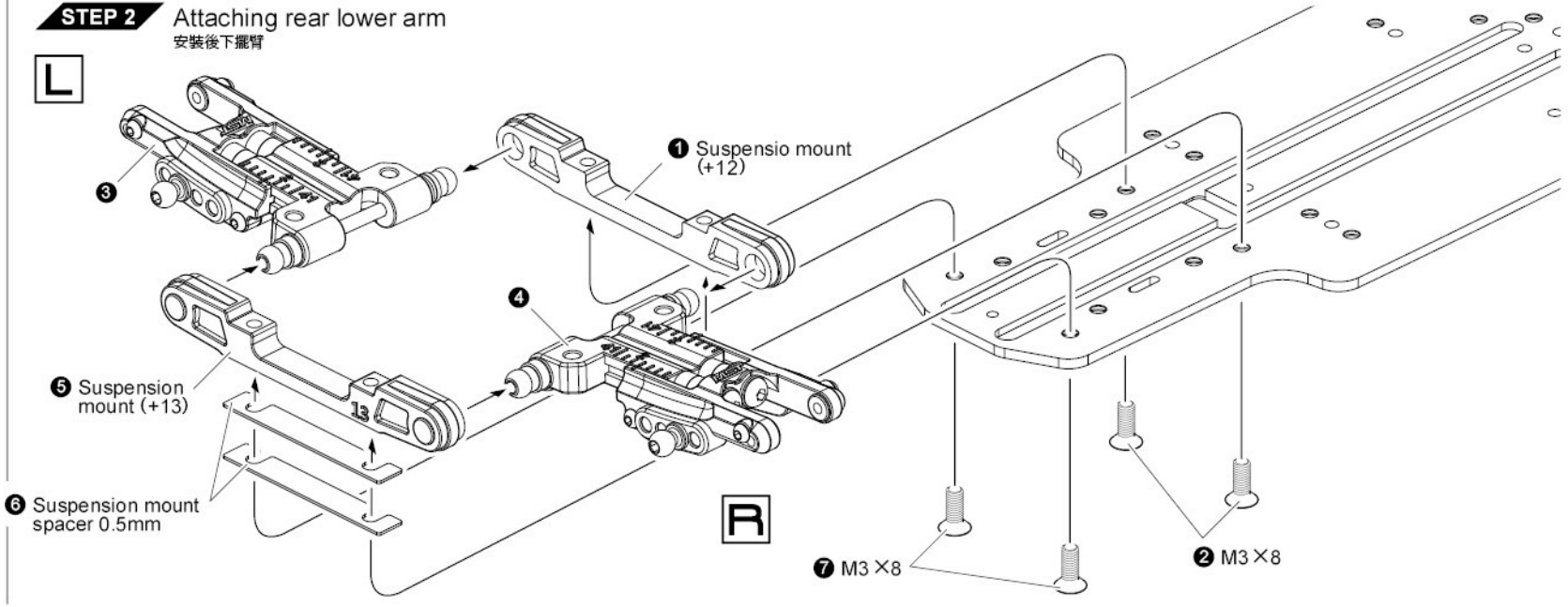


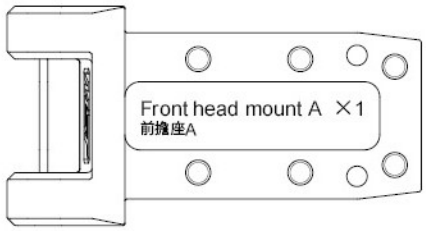
4.8×4.5 Ball connector ×2
球頭螺絲

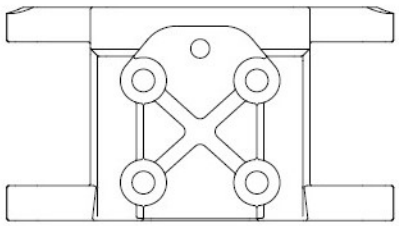
STEP 1 Rear lower arm assembly
後下擺臂組裝



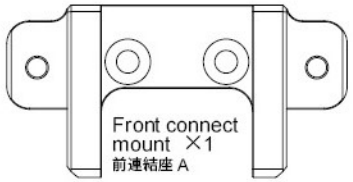
STEP 2 Attaching rear lower arm
安裝後下擺臂







Front upper arm mount ×1
前上擺臂座

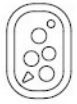




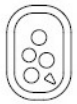
2×6×1 Spacer ×2
墊片



2×6×2 Spacer ×2
墊片



Arm shaft bush A ×2
擺臂襯套 A



Arm shaft bush B ×2
擺臂襯套 B



Front upper arm ×2
前上擺臂

Bag 1



M3×25 steel turnbuckle ×2
鋼製可調拉桿



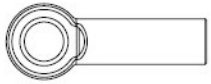
M2×4 screw ×4
圓頭螺絲



M3×8 screw ×2
沉頭螺絲



M3×14 screw ×4
圓頭螺絲

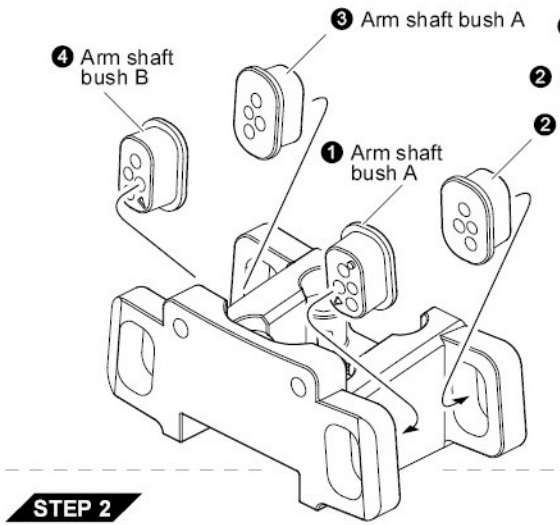


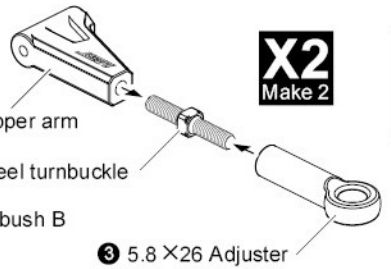
5.8×26 Adjuster ×2
拉桿頭



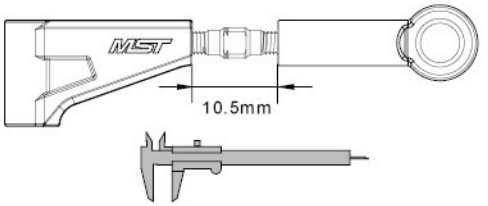
2×28 shaft ×2
插銷

STEP 1 Front upper arm assembly
前上擺臂組裝



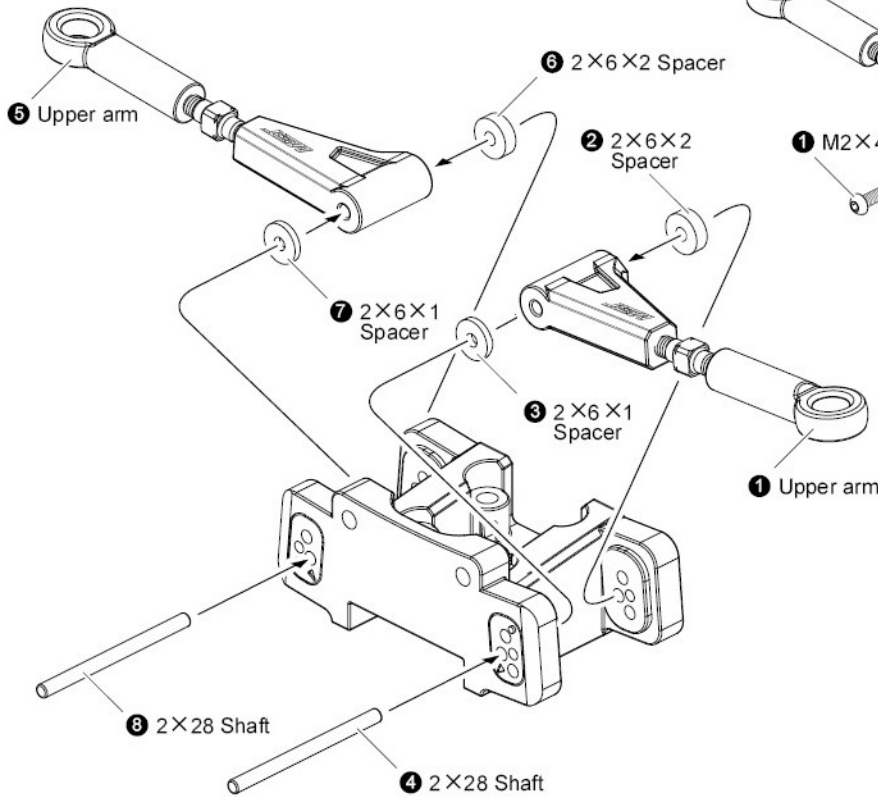


X2 Make 2

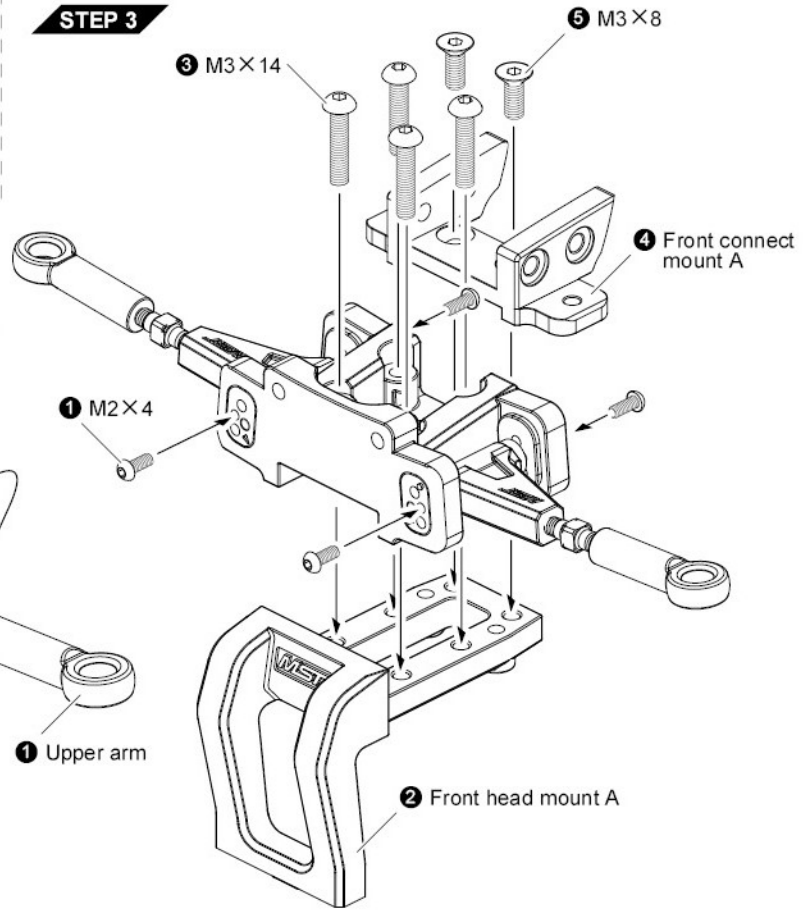


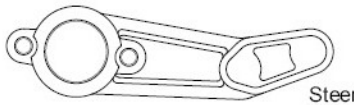
※Please use a caliper for precise measurements.
請使用卡尺進行精確測量

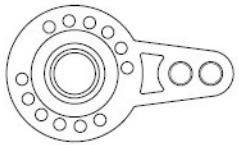
STEP 2

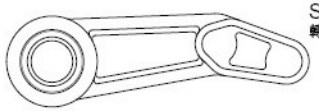


STEP 3

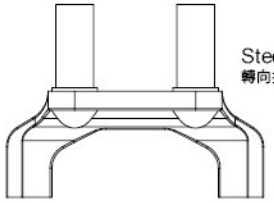



Steering arm A ×1
轉向搖臂 A


Steering arm B ×1
轉向搖臂 B


Steering arm C ×1
轉向搖臂 C


Steering joint plate ×1
轉向連接板


Steering arm bracket ×1
轉向搖臂支架


M3×20 screw ×2
沉頭螺絲


M3×12 screw ×2
沉頭螺絲


M3×10 screw ×1
圓頭螺絲


M2×8 screw ×2
圓頭螺絲

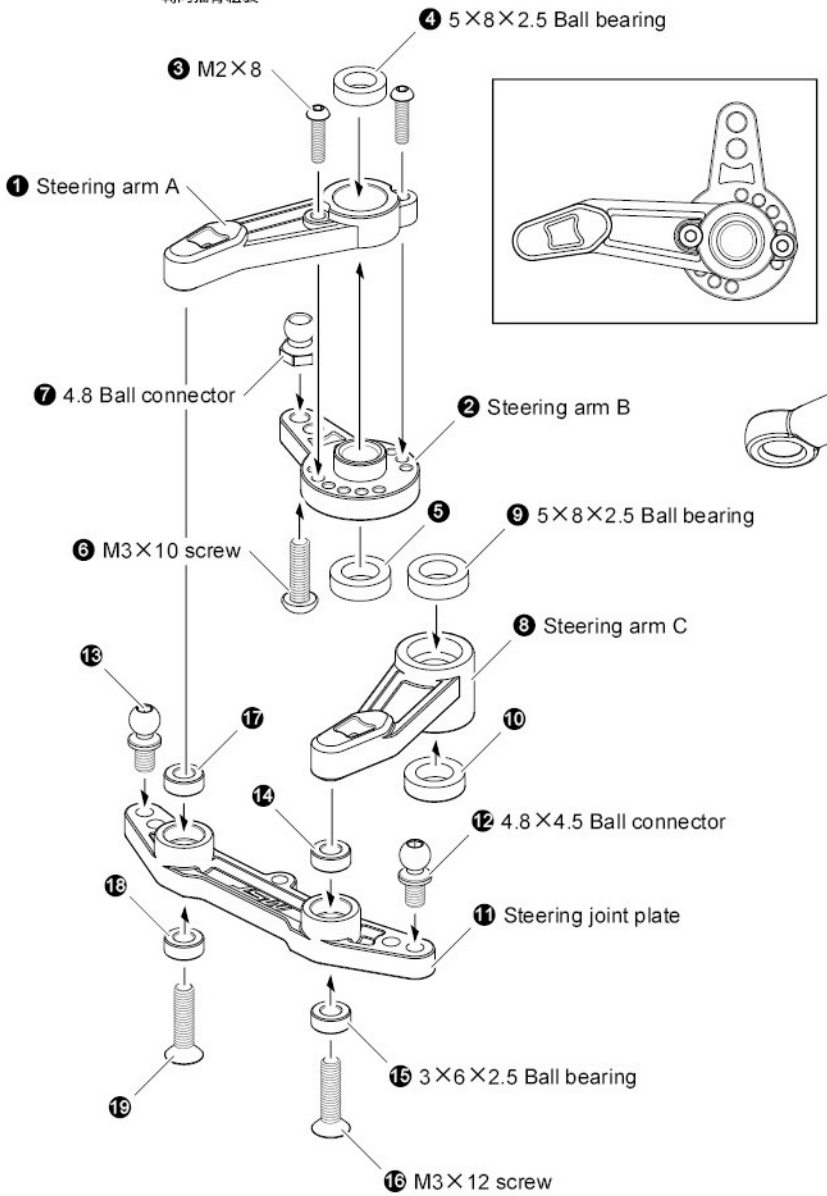

4.8×4.5 Ball connector ×2
球頭螺絲


4.8 Ball connector ×1
外六角球頭


5×8×2.5 Ball bearing ×4
培林

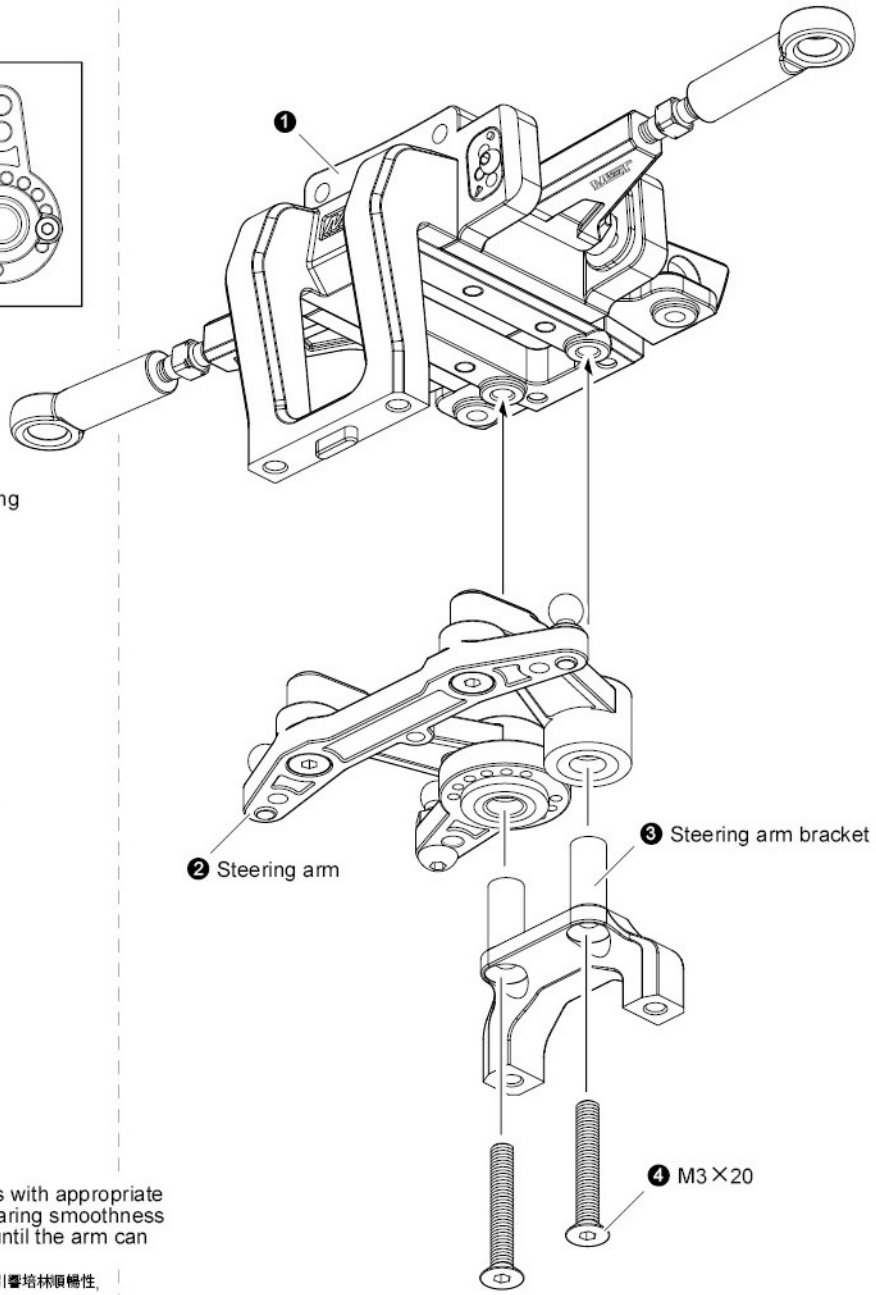

3×6×2.5 Ball bearing ×4
培林

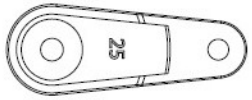
STEP 1 Steering arm assembly
轉向搖臂組裝



⚠ Please tighten the M3×12 screws with appropriate force. If it is overtightened, the bearing smoothness will be affected. Please loosen it until the arm can move smoothly.
M3×12螺絲請以適當力道鎖緊即可,若鎖太緊會引響培林順暢性,請放鬆至搖臂能順暢作動為止!

STEP 2 Attaching steering arm
安裝轉向搖臂組

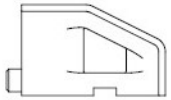




Long servo horn ×1
長伺服片



4.8 Adjuster M ×6
拉桿頭



Servo mount ×2
伺服機座



M3×8 screw (spacer) ×4
圓頭螺絲(帶墊片)



M3×8 screw ×1
圓頭螺絲



M3×8 screw ×6
沉頭螺絲



4.8×4.5 Ball connector ×1
球頭螺絲



3×8×0.5 Spacer ×1
墊片



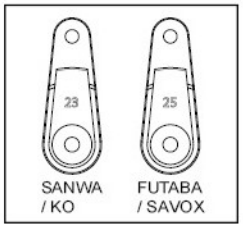
M3×28 Alum. turnbuckle ×2
鋁合金可調拉桿



M3×44 Alum. turnbuckle ×1
鋁合金可調拉桿

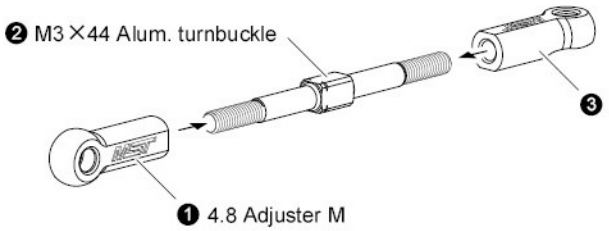
STEP 1 Steering servo assembly
轉向伺服機組裝

※Tighten the M3×8 screw after applying servo to the lower deck in the next step.
M3×8螺絲 先不鎖緊，待下個步驟與底盤結合後再鎖緊。

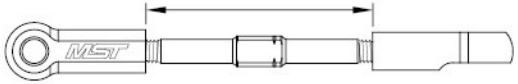


※Attaching the servo as shown.
伺服中立點設定

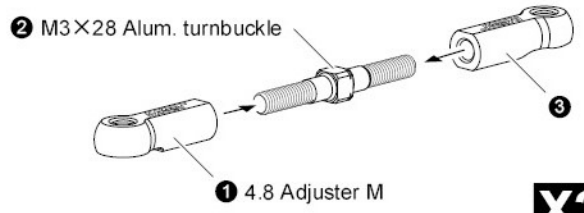
STEP 2 Servo saver turnbuckle assembly
伺服拉桿組裝



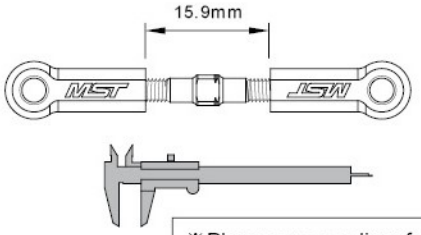
※Please adjust the length by the servo spec. and the steering neutral.
依伺服機與轉向中立點調整長度。



STEP 3 Steering adjuster assembly
轉向拉桿組裝

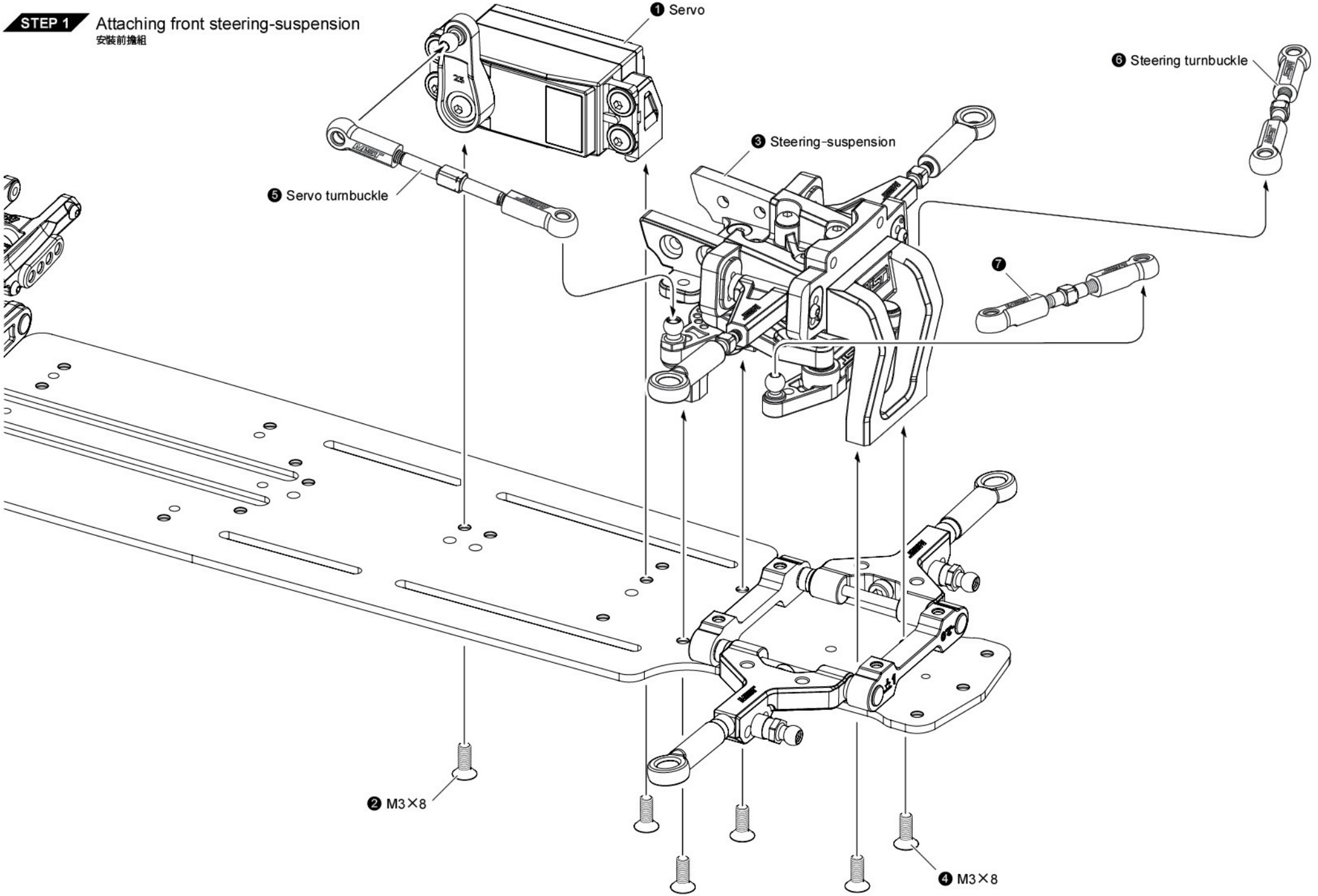


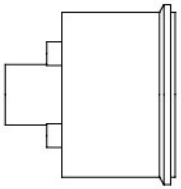
X2
Make 2

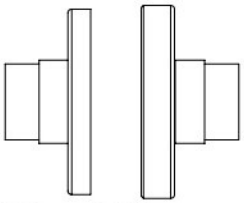


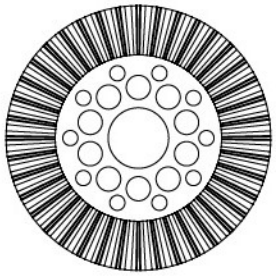
※Please use a caliper for precise measurements.
請使用卡尺進行精確測量

STEP 1 Attaching front steering-suspension
安裝前擔組



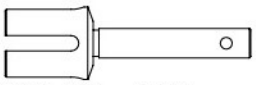

Diff. case ×1
傘差齒箱

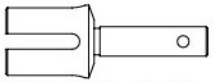

Diff. mount ×1
傘差齒座


Bevel gear 42T ×1
大傘齒


Bevel gear 14T ×2
差速傘齒


Bevel gear 10T ×4
差速傘齒


Diff. joint (long) ×1
差速接杯 (長)


Diff. joint (short) ×1
差速接杯 (短)


1.5×7.8 Shaft ×2
插銷


2×8 Tapping screw ×8
自攻螺絲

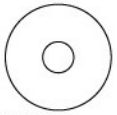

10×12×0.3 Spacer ×2
墊片

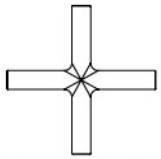

22×0.6 O-ring ×1
O環


4×7×2.5 Spacer ×2
墊片

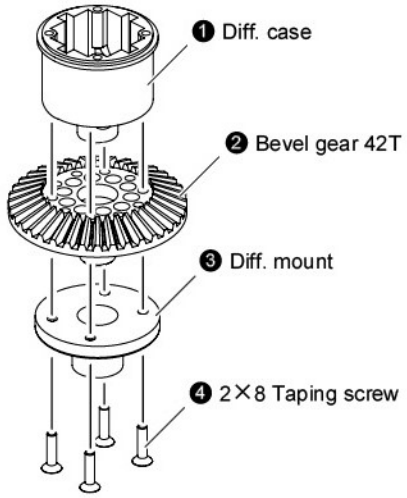

10×15×4 Bearing ×2
培林


2.5×9×0.1 Spacer ×4
墊片

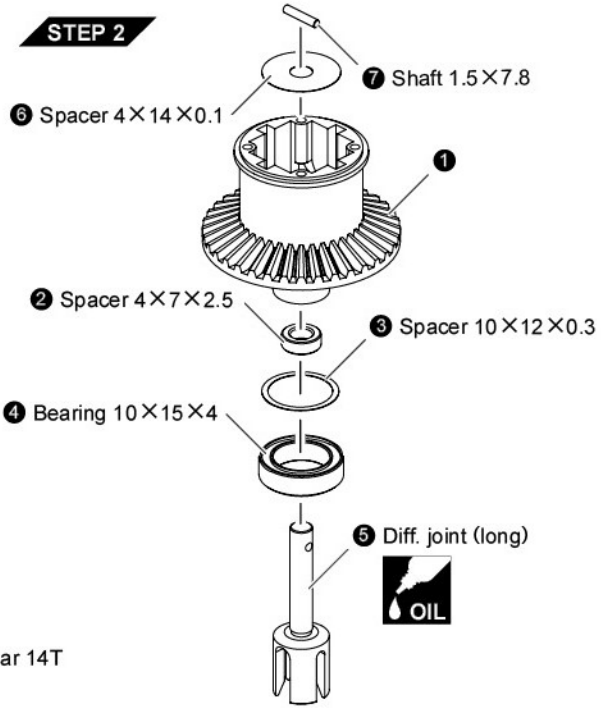

4×14×0.1 Spacer ×2
墊片


Cross shafe ×1
傘齒十字座

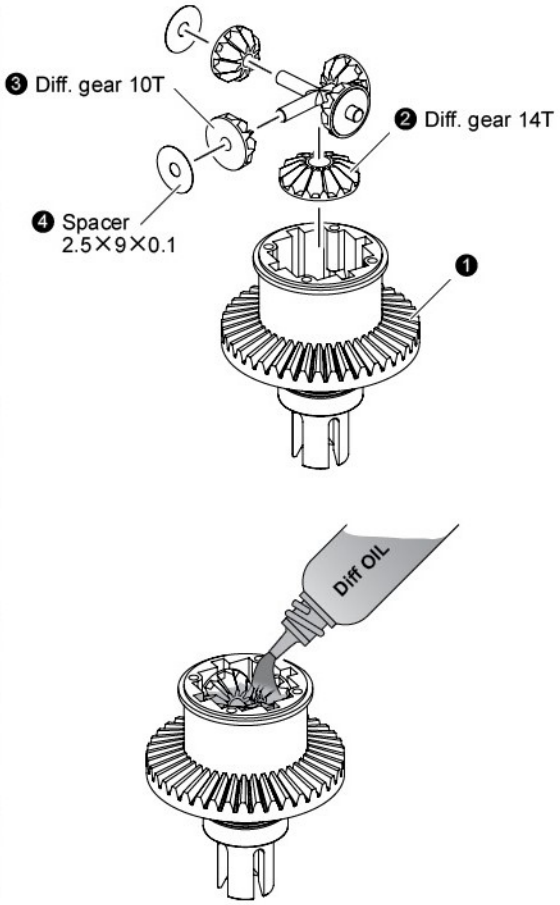
STEP 1

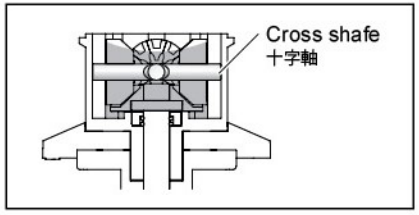


STEP 2



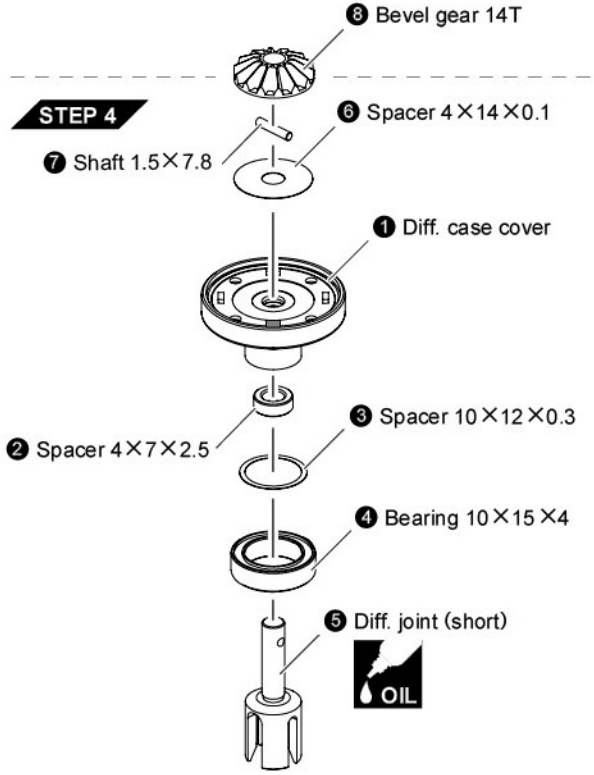
STEP 3



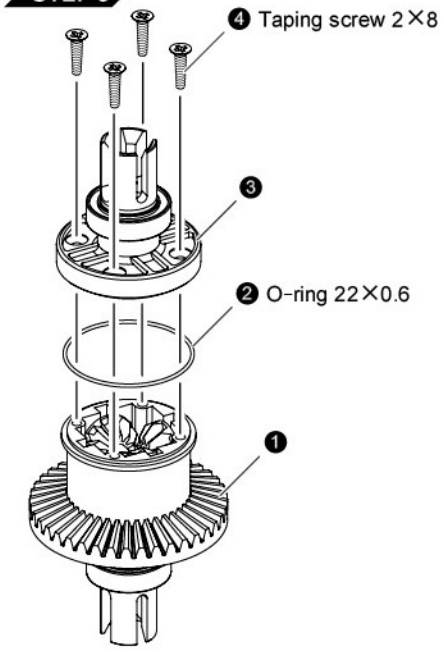


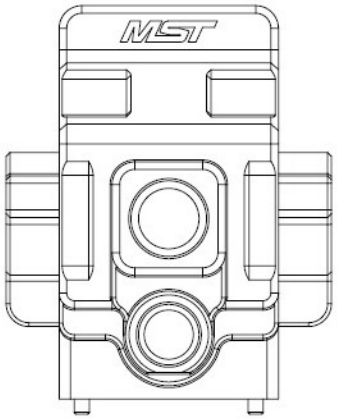
※Fill with oil up to the level of cross shafe.
(Do not fill the diff. to the top)
請填入差速油至完全覆蓋 十字軸。(勿填滿)

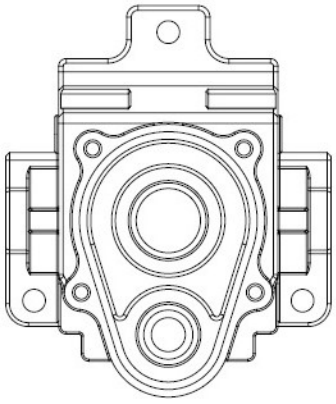
STEP 4



STEP 5




Gear box A ×1
齒箱 A


Gear box B ×1
齒箱 B


1.5×7.8 Shaft ×2
插銷


1.6×9 Shaft ×1
插銷


M3×10 screw ×3
圓頭螺絲

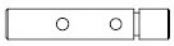

4×6×0.3 Spacer ×1
垫片

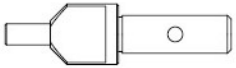

4×8×3 Ball bearing ×2
培林


4×10×4 Ball bearing ×1
培林


5×10×4 Ball bearing ×1
培林


8×14×4 Ball bearing ×1
培林


Main shaft ×1
主齒軸


Bevel gear shaft ×1
傘齒軸


Driven shaft ×1
傳動軸

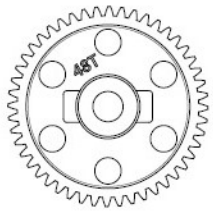

E-Clip 3.0 ×2
E扣 3.0



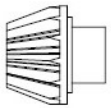
Gear 28T ×1
齒輪 28T



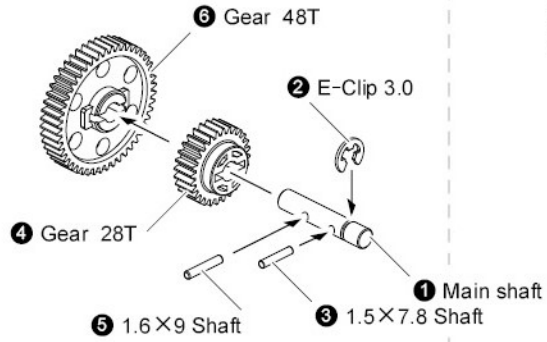
Gear 30T ×1
齒輪 30T



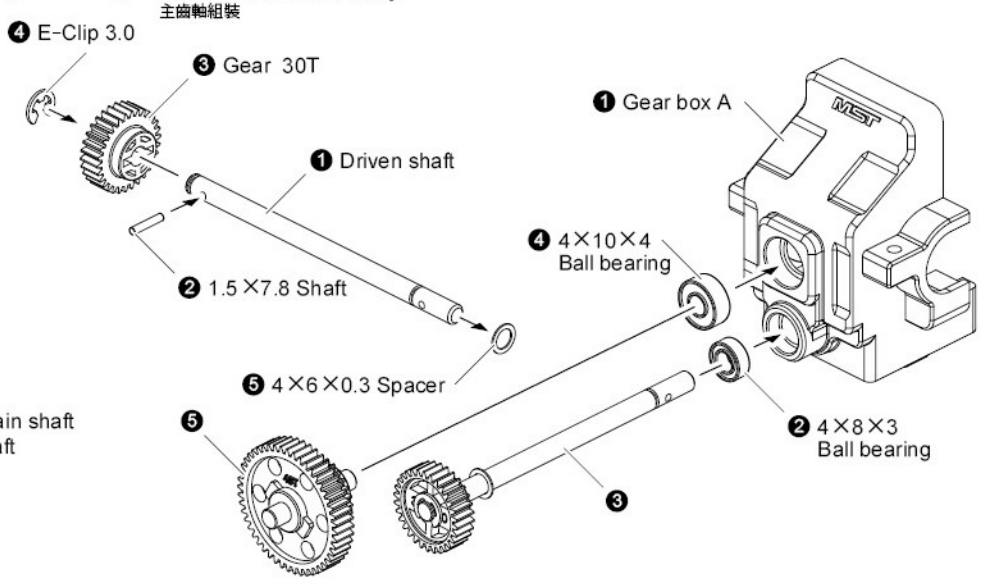
Gear 48T ×1
齒輪 48T


Bevel gear 11T ×1
傘齒軸

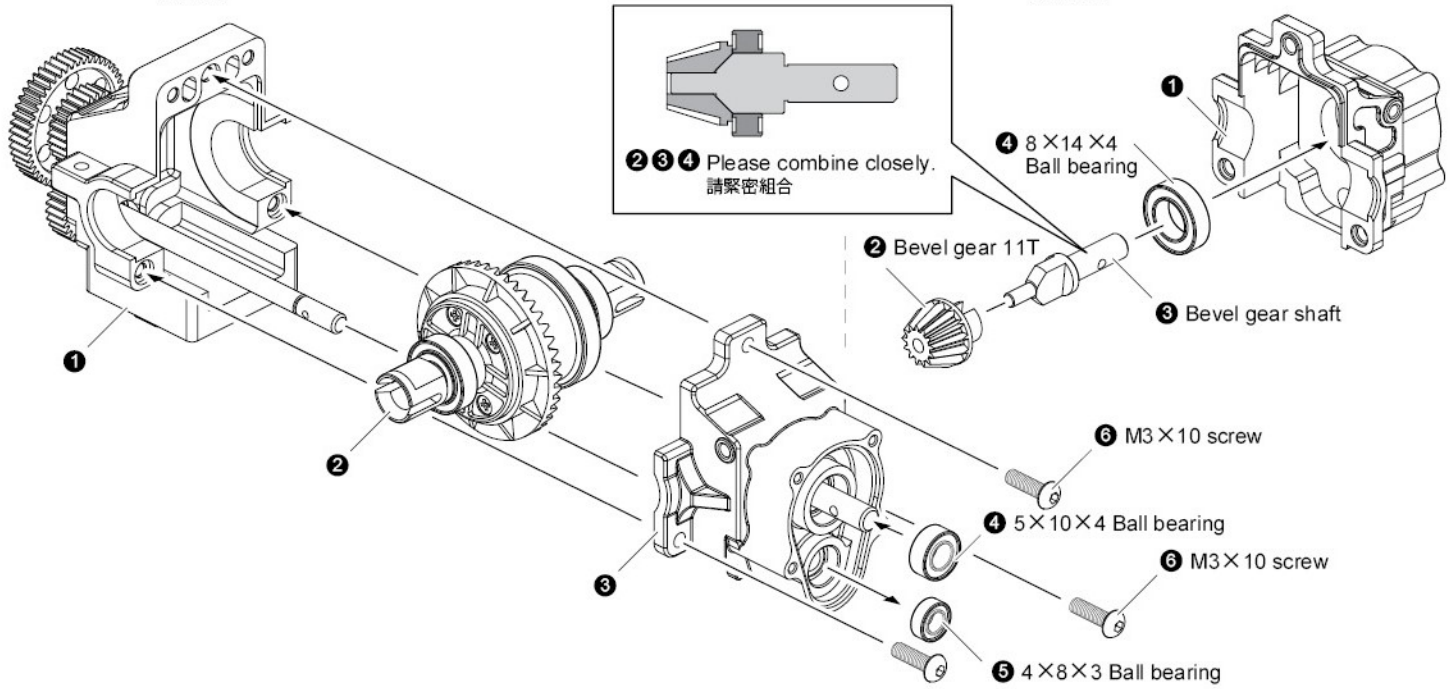
STEP 1 Main shaft assembly
主齒軸組裝



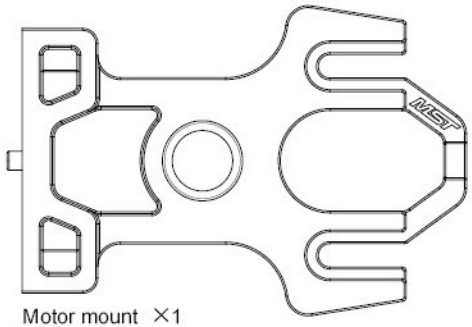
STEP 2 Main shaft assembly
主齒軸組裝



STEP 4 Gear box assembly
齒箱組裝



STEP 3 Bevel gear shaft assembly
傘齒軸組裝



Motor mount ×1
馬達座

Back seat ×1
後背座





Gear box C ×1
齒箱 C

High Gear Ratio	Low Gear Ratio
Tail gear 38/19T ×1 齒輪 38/19 T	Tail gear 36/21T ×1 齒輪 36/21 T



Steel tail gear 19/21 T ×1
鋼製齒輪 19/21 T

M3×8 screw ×6
沉頭螺絲

M3×8 screw ×2
圓頭螺絲

4×8×3 Ball bearing ×1
培林

4×10×4 Ball bearing ×1
培林

5×10×4 Ball bearing ×1
培林

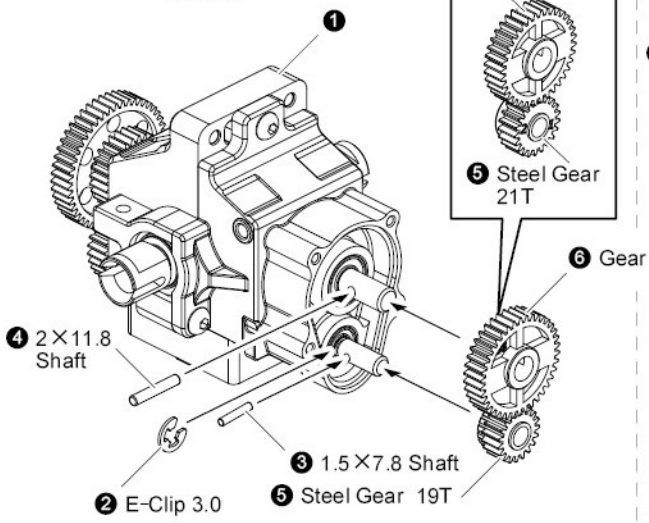
1.5×7.8 Shaft ×1
插銷

2×11.8 Shaft ×1
插銷

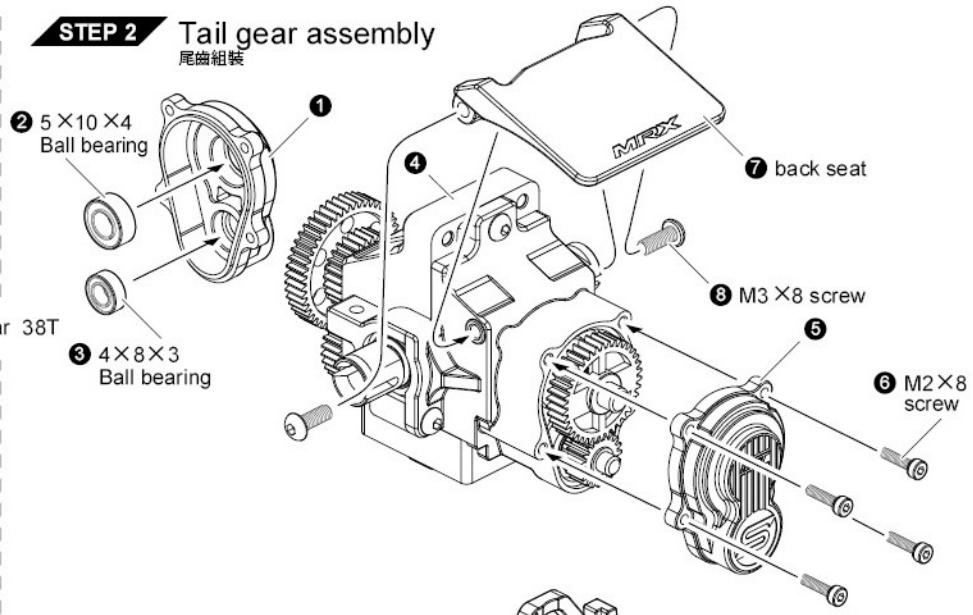
M2×8 screw ×4
有頭螺絲

E-Clip 3.0 ×1
E扣 3.0

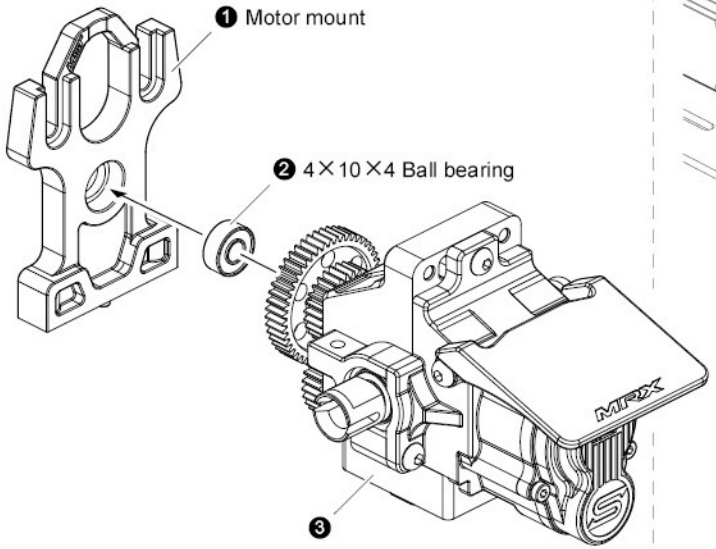
STEP 1 Tail gear assembly
尾齒組裝



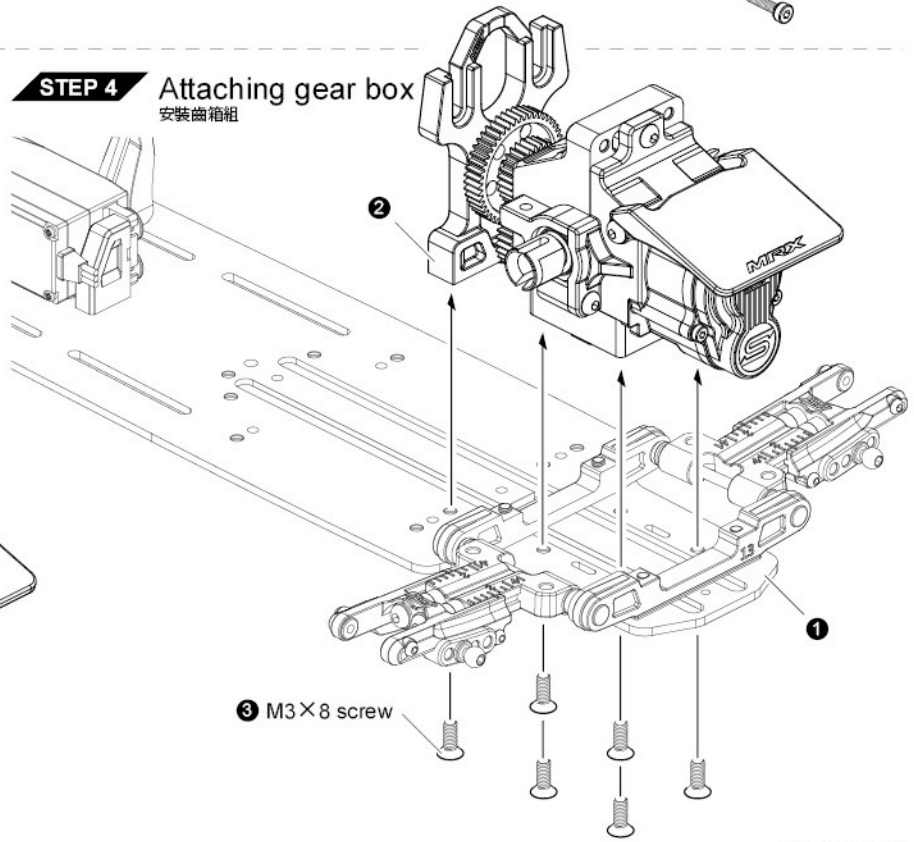
STEP 2 Tail gear assembly
尾齒組裝



STEP 3 Motor mount assembly
安裝馬達座



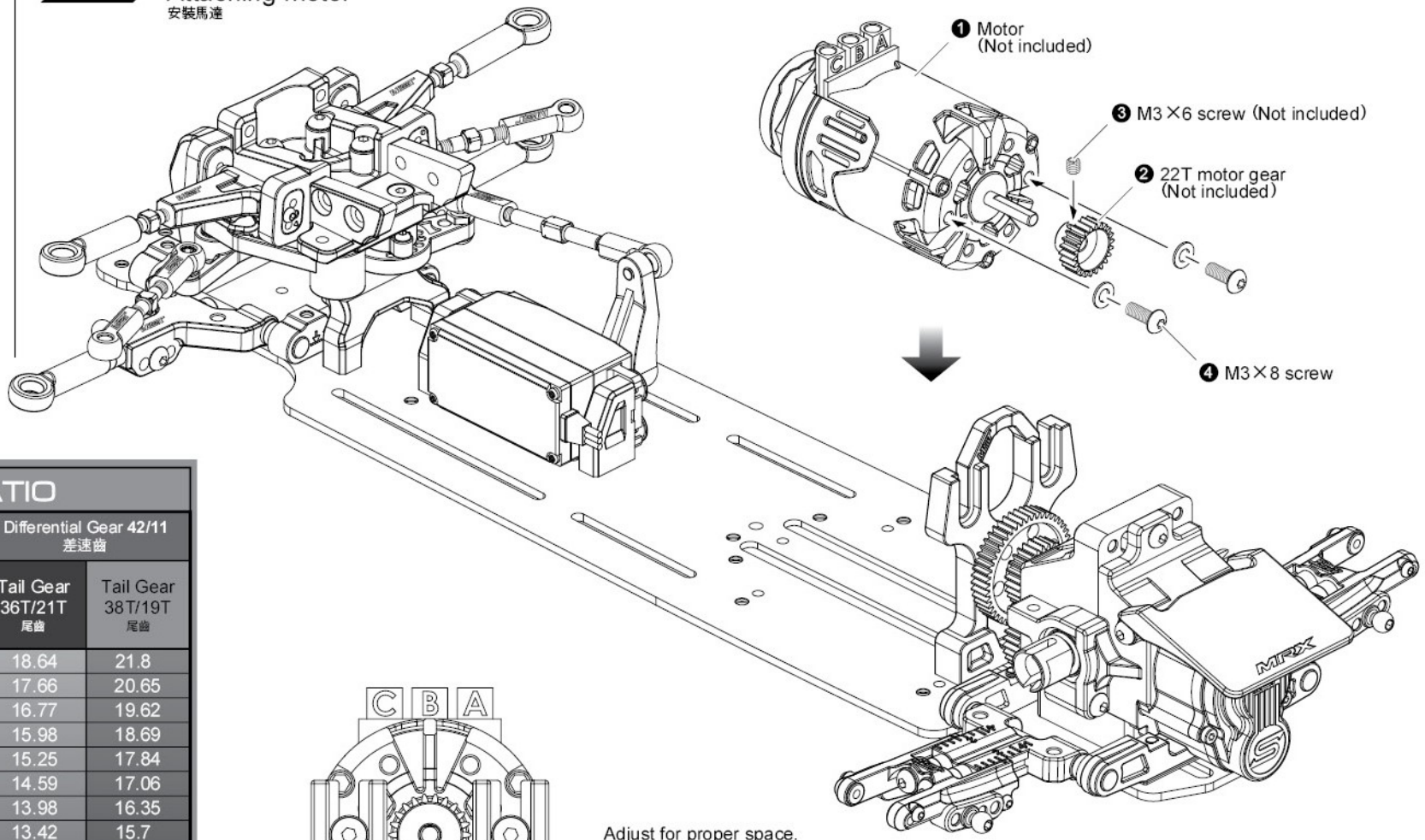
STEP 4 Attaching gear box
安裝齒箱組



M3×8 screw ×2
圓頭螺絲

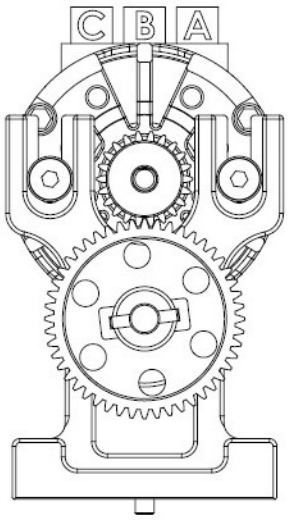
3×6×0.5 Spacer ×2
墊片

STEP 1 Attaching motor
安裝馬達



MRX GEAR RATIO

MRX		Differential Gear 40/13 差速齒		Differential Gear 42/11 差速齒	
MOTOR HEIGHT 馬達高度	PINION GEAR 馬達齒	Tail Gear 36T/21T 尾齒	Tail Gear 38T/19T 尾齒	Tail Gear 36T/21T 尾齒	Tail Gear 38T/19T 尾齒
THIN SHORT BATTERY < 19mm 薄型短電池	18	15.03	17.58	18.64	21.8
	19	14.24	16.65	17.66	20.65
	20	13.53	15.82	16.77	19.62
	21	12.88	15.07	15.98	18.69
	22	12.3	14.38	15.25	17.84
	23	11.76	13.76	14.59	17.06
	24	11.27	13.18	13.98	16.35
	25	10.82	12.66	13.42	15.7
	26	10.4	12.17	12.9	15.09
	27	10.02	11.72	12.43	14.53
	28	9.66	11.3	11.98	14.01
	29	9.33	10.91	11.57	13.53
	30	9.02	10.55	11.18	13.08
	31	8.73	10.21	10.82	12.66
	32	8.45	9.89	10.48	12.26
	33	8.2	9.59	10.17	11.89
GENERAL SHORT BATTERY < 26mm 一般短電池	34	7.96	9.31	9.87	11.54
	35	7.73	9.04	9.59	11.21
	36	7.51	8.79	9.32	10.9
	37	7.31	8.55	9.07	10.61
	38	7.12	8.33	8.83	10.33



Adjust for proper space.
請調整適當齒隙。

※MRX motor gear clearance adjustment tips.
MRX 馬達齒間隙調整小技巧。

STEP 1 Attaching rear upper deck
安裝後二樓板

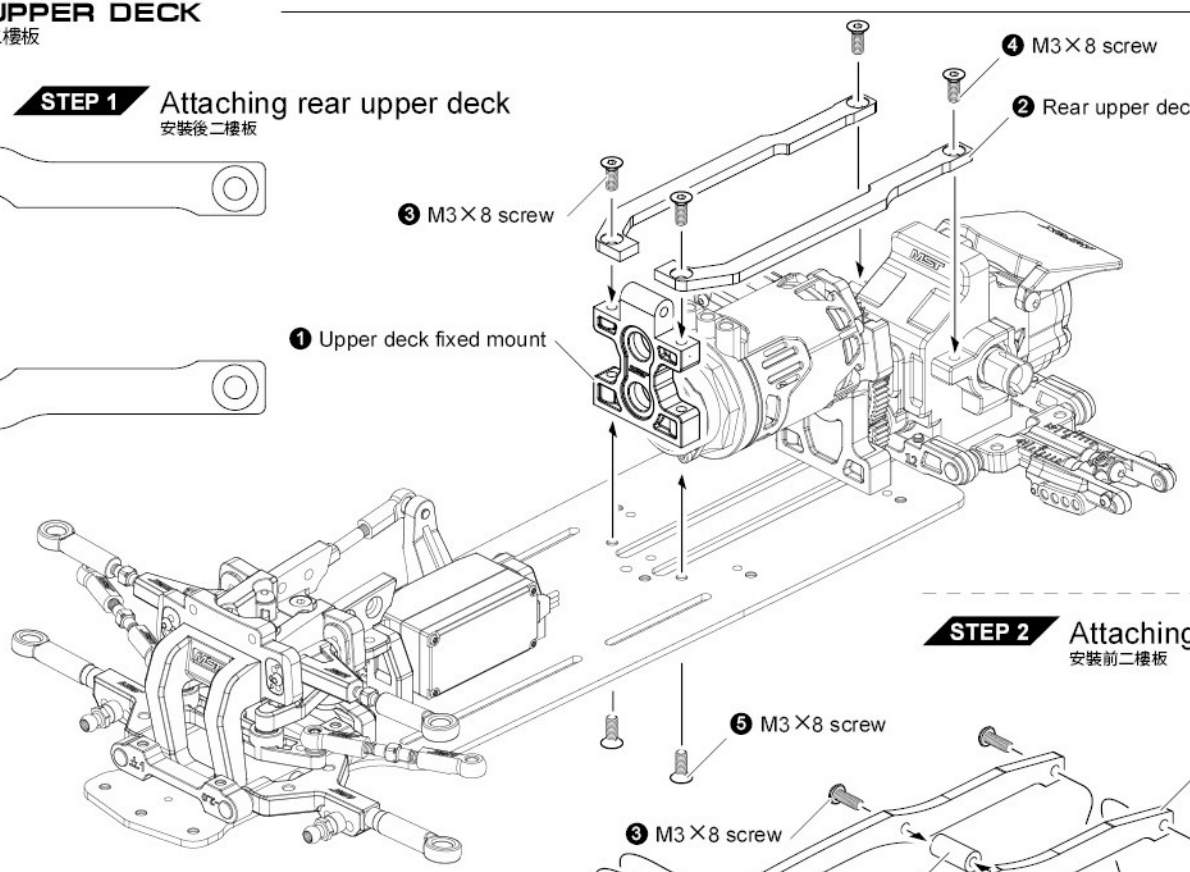
MRX FRP rear upper deck R / L ×1
MRX FRP 後二樓板 R / L

Strengthen post ×1
補強柱

Bag 2

M3×8 screw ×8
圓頭螺絲

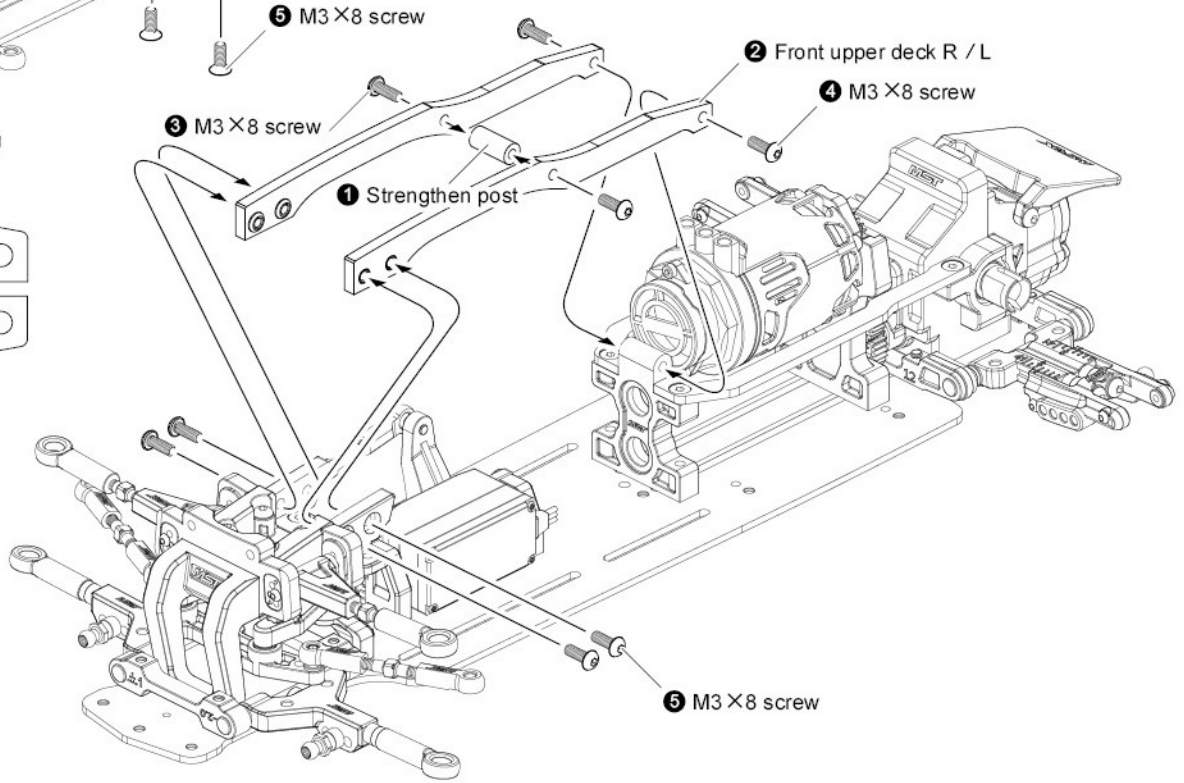
M3×8 screw ×6
沉頭螺絲

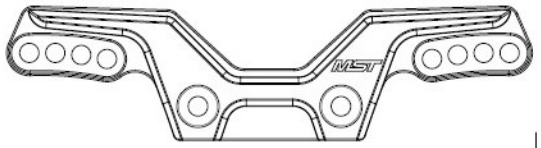


STEP 2 Attaching front upper deck
安裝前二樓板

MRX FRP front upper deck R / L ×1
MRX FRP 前二樓板 R / L

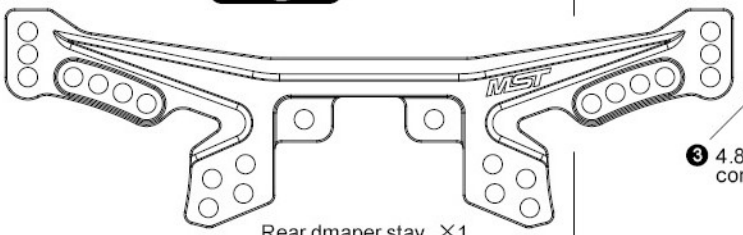
Upper deck fixed mount ×1
二樓板固定座





Front dmaper stay ×1
前避震架

Bag 2



Rear dmaper stay ×1
後避震架

Bag 5



4.8 Ball connector ×4
外六角球頭



4.8 Ball connector L ×2
外六角球頭



M3×8 screw ×2
圓頭螺絲



M3×10 screw ×8
圓頭螺絲

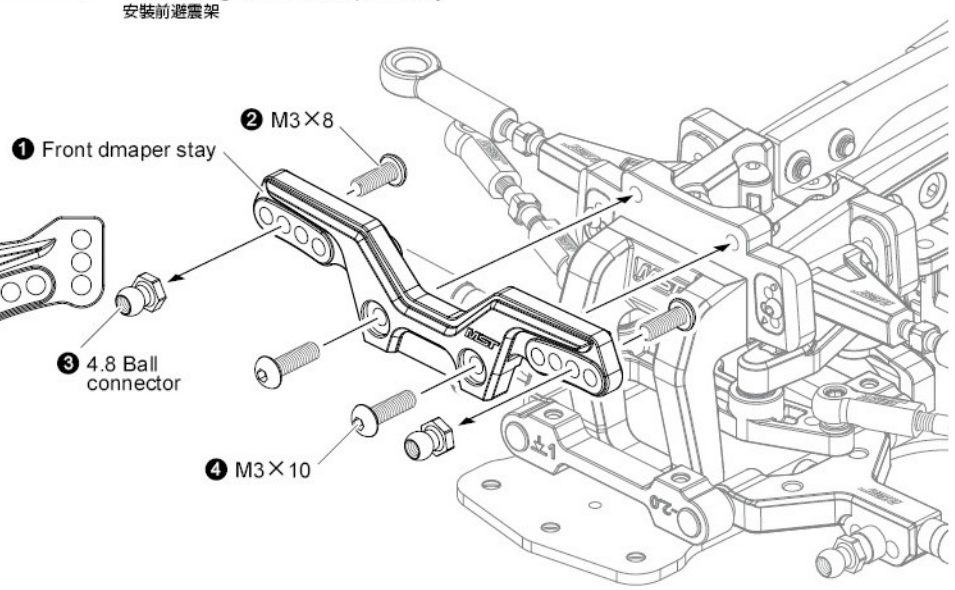


M3×28 Alum. turnbuckle ×2
鋁合金可調拉桿

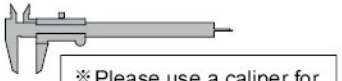


4.8 Adjuster M ×4
拉桿頭

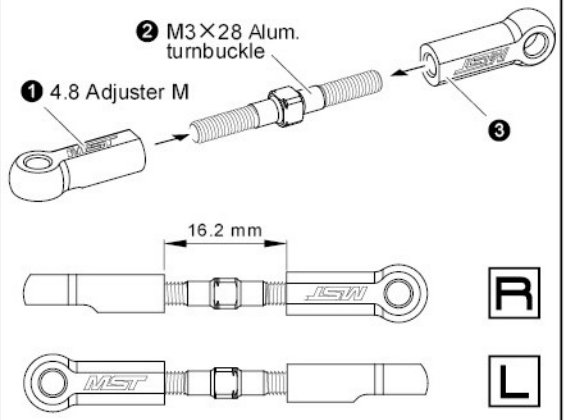
STEP 1 Attaching front damper stay
安裝前避震架



Rear upper turnbuckle assembly
後上拉桿組裝



※Please use a caliper for precise measurements.
請使用卡尺進行精確測量



STEP 2 Attaching rear damper stay
安裝後避震架

