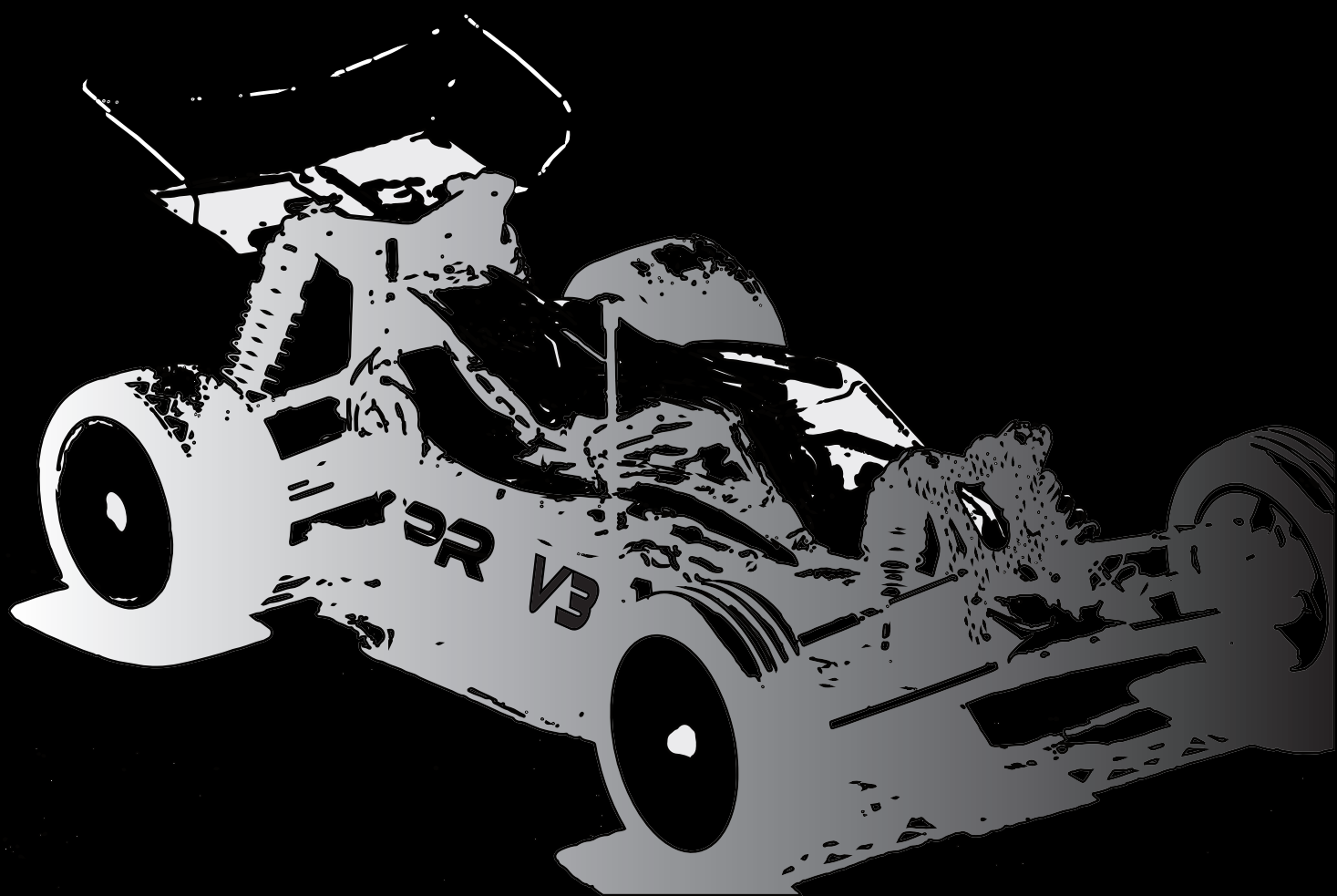


PR51V3(MM)

1/10 ELECTRIC 2WD RACING PRO KIT



WARNING!

Thank you for purchasing this PR product. This kit is not a toy! It will require periodic maintenance & effort to keep it in top running condition. There are many extremely dangerous moving parts, such as the metal gears, motors and etc. Coming in contact with these during operation of the car may cause serious injury! Always check your radio operation system before running the car. Always switch off the car first before turning off the radio to avoid losing control. Safe operation will ensure great fun and enjoyment.



PR RACING
www.pr-rc.com

PART NO: 71400356

NAME: PR S1 V3 (MM) 1/10 Electric 2WD Buggy PRO Kit

We've been hard at work here at PR Racing as we are always striving to improve on our already great products! We are happy to announce that we've been working on a new 2wd buggy platform based on our V3 design that which is optimized for medium to low grip tracks such as dirt and wet astroturf. The new PRS1 V3 (MM) 2wd buggy will be available very soon.

We are proud of offering our leading edge quality and design. Our new V3 (MM) Buggy will showcase a 3 Gear Mid Motor Transmission. The battery placement on our new V3 (MM) Chassis design will offer both vertical and horizontal placement which helps give versatility and gives the driver the chance to find the best possible weight distribution for their application

Our team of distributors and racers worldwide have been showing the quality of our products at the track, with exceptional race results, for some time now and we're excited to release the next generation of competition off road model car for today's serious R/C Racing enthusiast!

Below are the specifications of the new PRS1 V3 (MM) Buggy which will be coming soon to PR Racing!

Specification:

Length: 411mm

Width: 250mm

Height: 145mm

Wheelbase: 285mm

Front track: 248mm

Rear track: 248mm

Weight: 1570-1585 g (race ready)

CNC 3mm machined harden chassis

13mm big bore oil fill in shock

3 gear mid motor gearbox

Competition Ball Differential

Dual pad slipper clutch

Complete sealed bearing set

12mm Hex wheels firmment

Metric socket screw (Hex Screws)

Items required to complete:

- Metric 1.5mm, 2.0mm hex tools
- Metric 5.5mm, 7.0mm 8.0mm Nut Driver
- 2 Channel Surface Radio System (Minimum)
- 1/10 ESC, Motor & Pinion Gear
- High Speed Servo
- 2S LiPo Shorty Battery & Compatible Lipo Charger
- Polycarbonate Paint for Body
- 1/10 Buggy Tires, inserts and CA Glue

info@prengine.com.tw

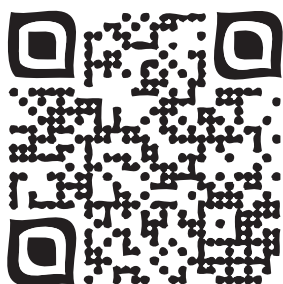


PR RACING
www.pr-rc.com

Thank you for choosing PR RACING. PR-RC has been established in Taiwan since 2008.

We combine rich modification and validation experience in RC racing products,
and dedicate to manufacture ingenious, durable and reliable products.

Our team members have many years working experience in developing RC model technique.
We are very pleased of presenting top class products to you



● BEFORE INSTALLATION	01
● BAG A	03-06
Chassis Guard Installation	
Servo Saver	
Steering Servo	
● BAG B	06-11
Front Suspension	
Front Spindle (Left Side)	
Front Spindle (Right Side)	
Front Suspension (L/R)	
Front Shock Stay	
Front Suspension	
● BAG C	11-16
Transmission Assembly	
Gear Differential	
Rear Shock Stay	
Rear Gear Box	
● BAG D	17-21
Shock Assembly	
Shock Spring	
Front Suspension	
Rear Suspension	
Motor	
Battery Plate	
Tires	
Body&Wheels	
● SETUP SHEET	22

BEFORE INSTALLATION

- 1 Read through the instruction manual before installation in order to have an overview of what to do.
- 2 Check if there is any missing bags or defective parts, if there is, please contact our local dealer or our PR Distributor.
- 3 Symbols used throughout the instruction manual, comprises of:



Part bags used.



Assemble as many times as specified (here: twice).



Tighten securely.



Note the direction.



True-to-scale diagram.



Do not over tighten.



Must be purchased separately.



Apply threadlocker (screw cement)



Ensure smooth non-binding movement while assembling.



Assemble in the specified order.



Apply grease.



Cut off shaded portion.



Assemble left and right sides the same way.



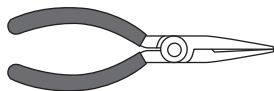
Apply oil.

- 4 This kit contains screws and hardware in different metric sizes and shapes. Before using them, check the screws on the true-to-scale diagrams on the left side in each assembly step. Some screws are extras.

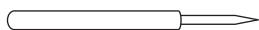
TOOLS REQUIRED

CAUTION: Handle tools carefully!

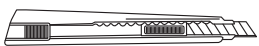
- Needle Nose Pliers



- Awl



- Sharp Hobby Knife



- Grease



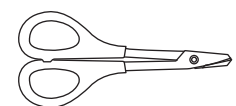
- Wire Cutters



- Screw Cement

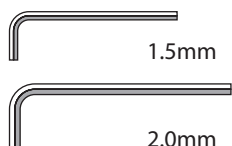


- Round Cutter & Sander



For trimming bodies Cutting along curved lines was never so easy!

- Hex Wrench



- Ball Differential Grease

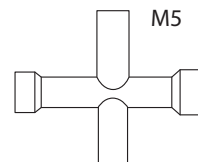


- SP Knife Edge Reamer



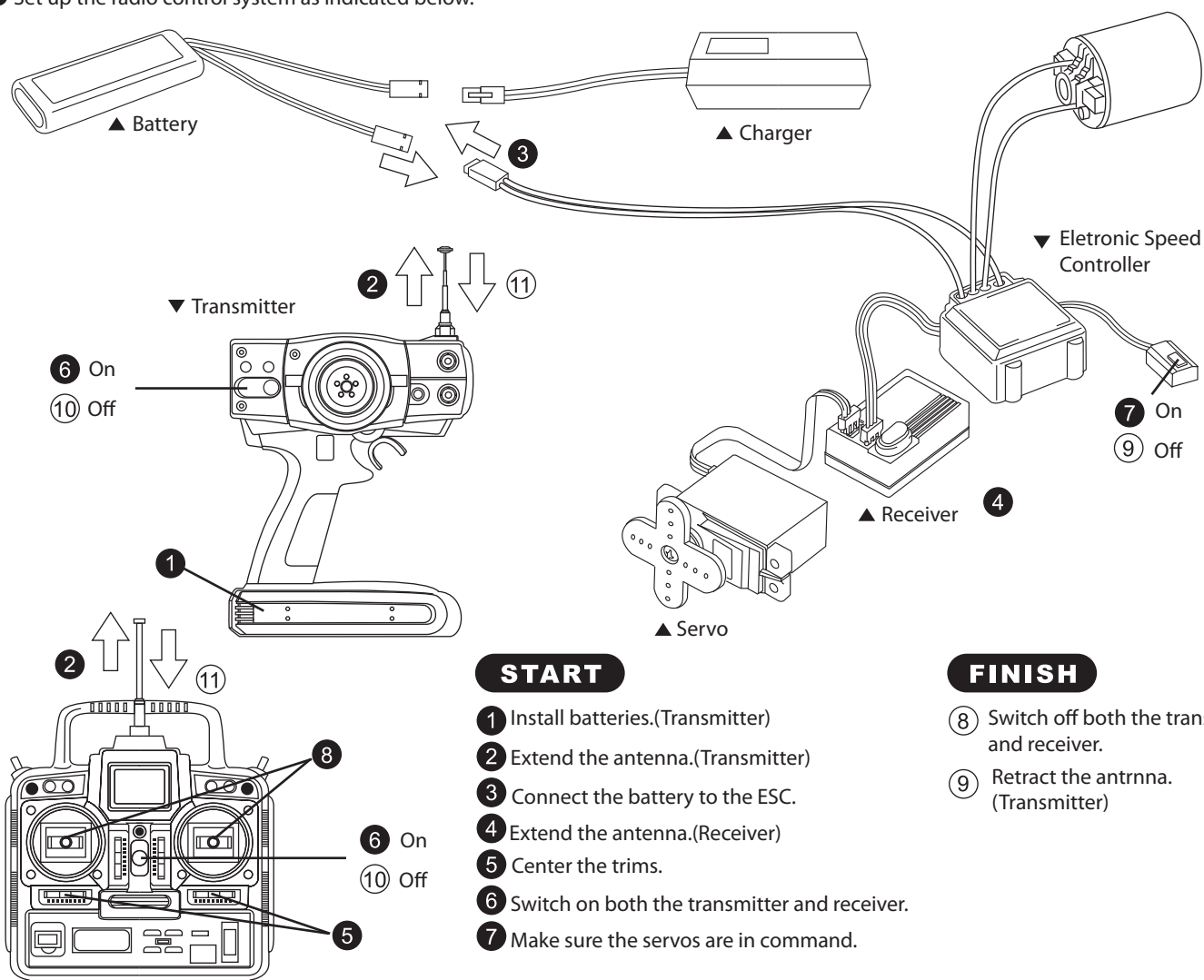
Do not pre-drill as precise drilling of 1mm to 15mm holes can be performed after body shell painted.

- Cross Wrench



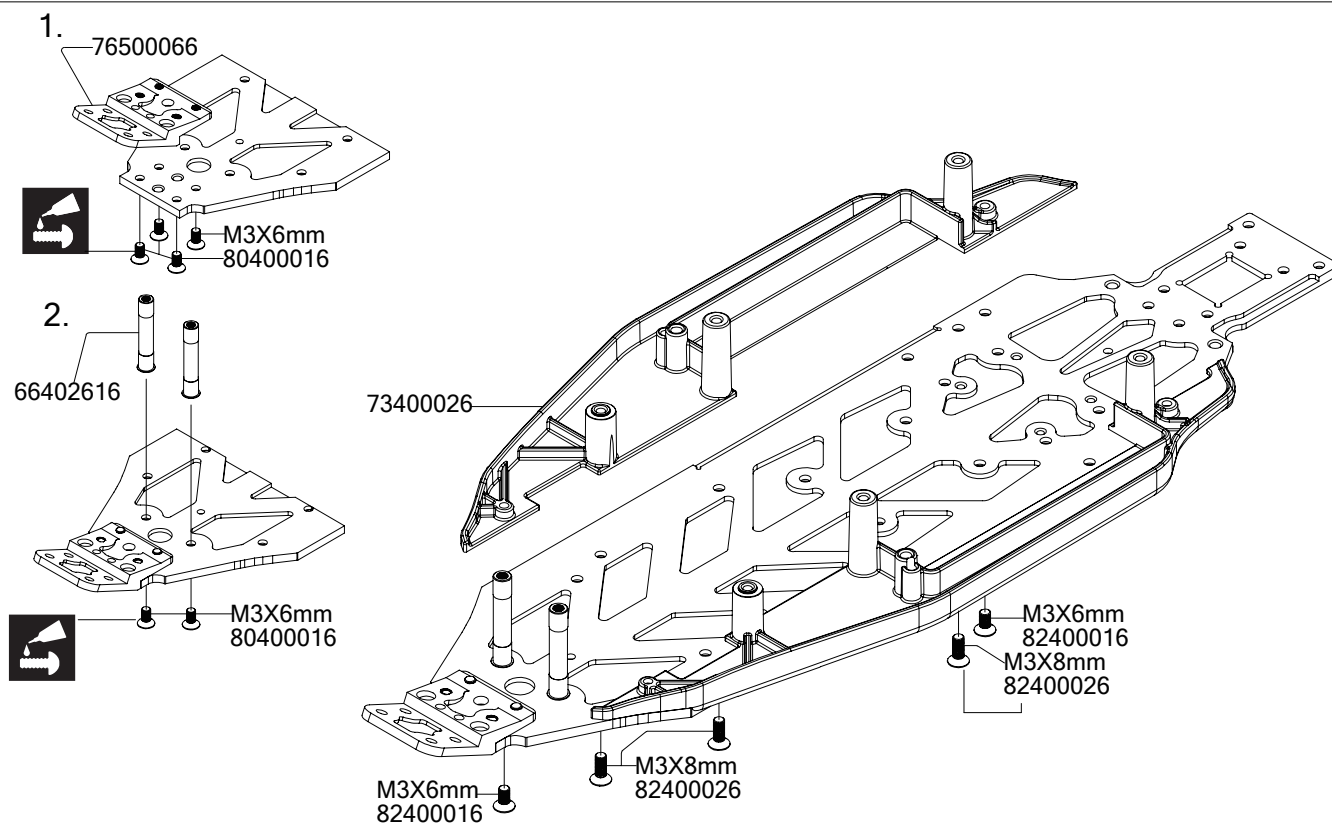
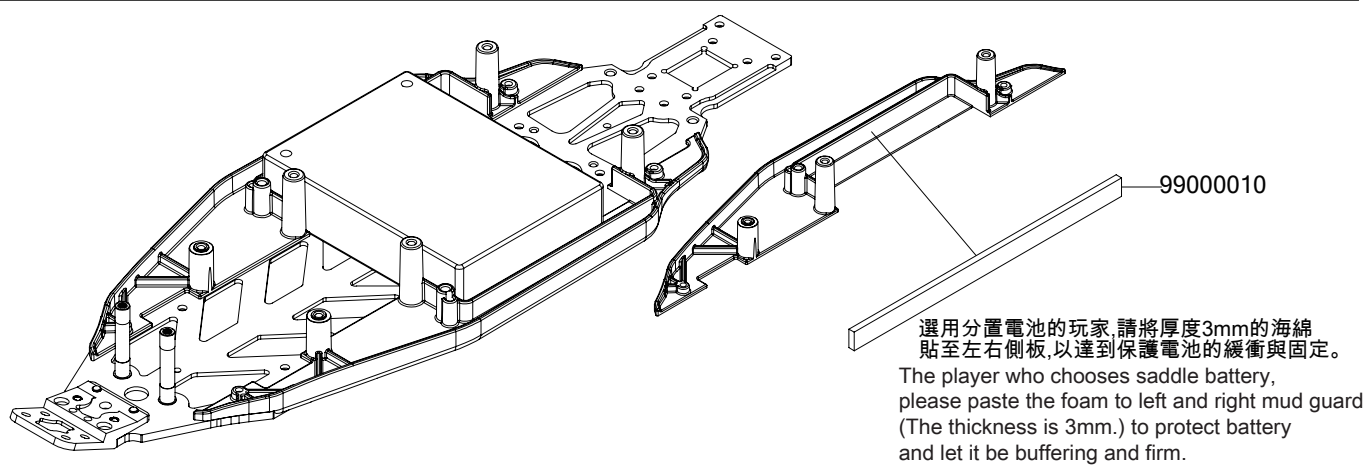
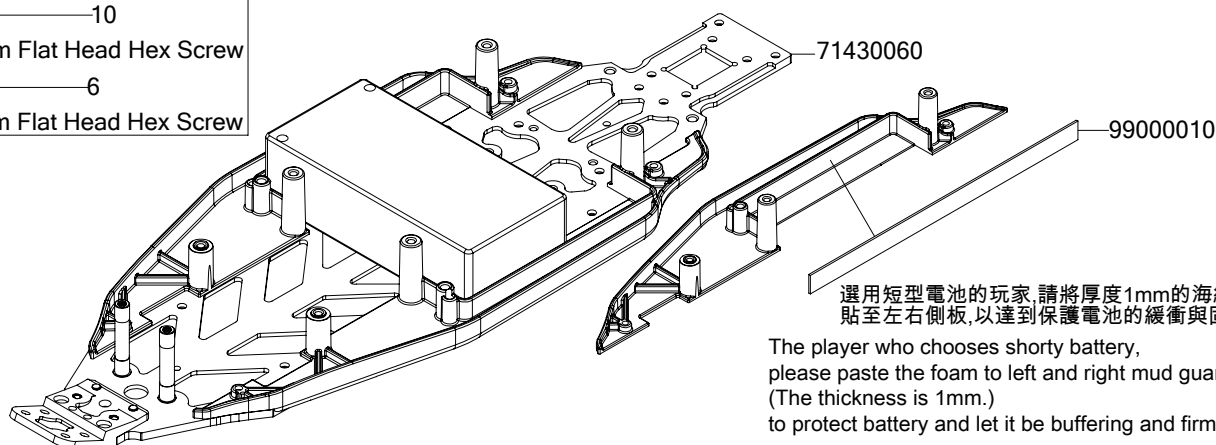
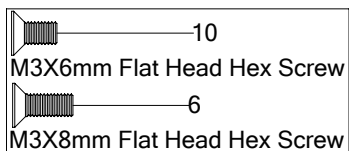
RADIO PREPARATION

- A new battery must be charged before it is used. Refer to the charger instruction manual for charging.
- Set up the radio control system as indicated below.



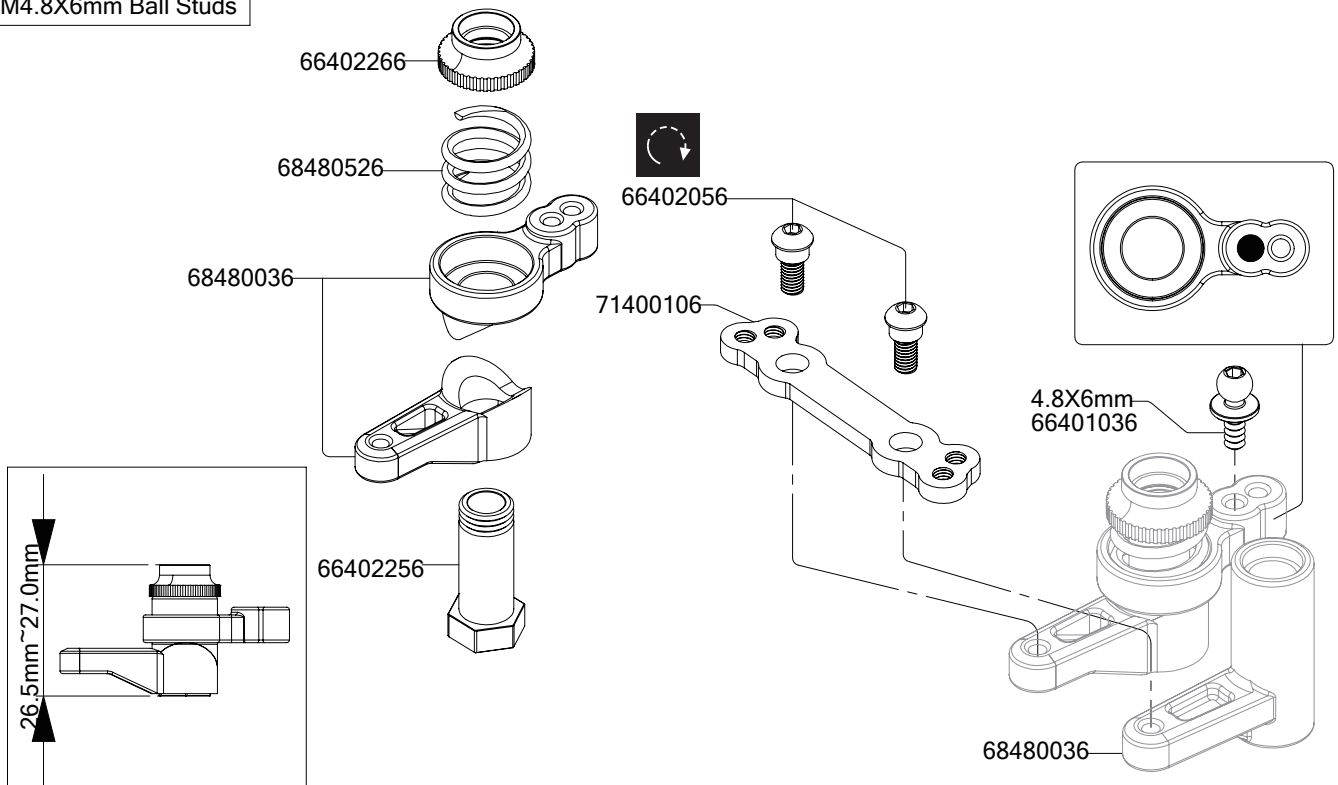
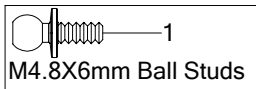


A1 Chassis Guard Installation

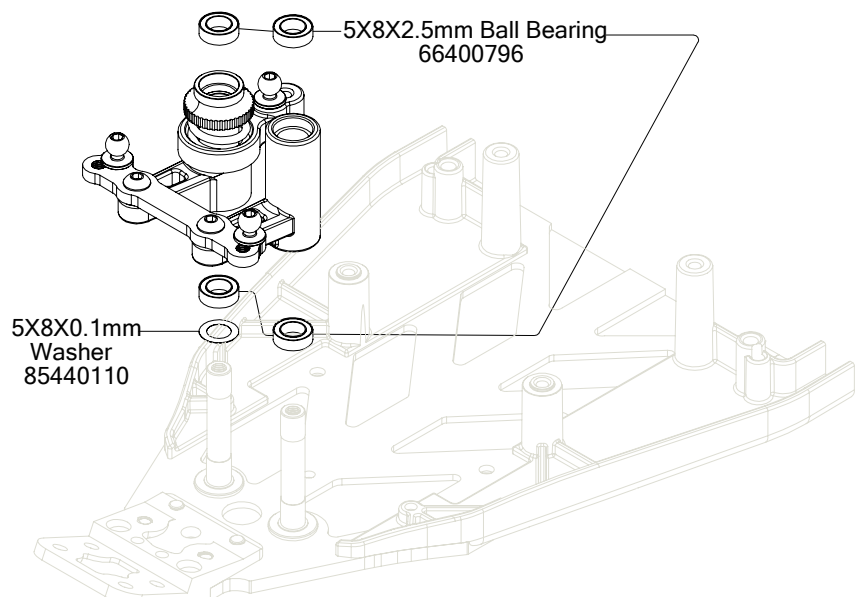
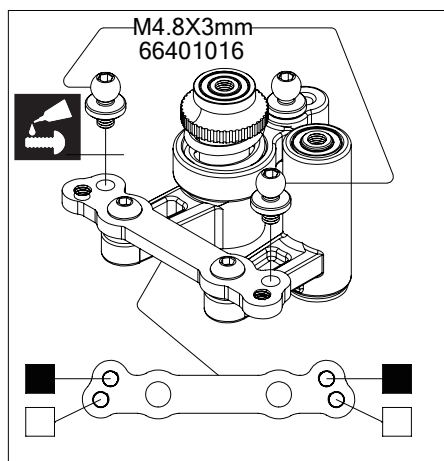
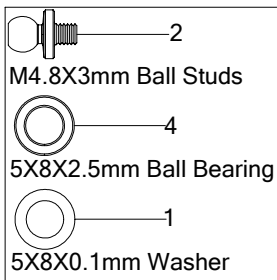




A2 Sewvo Saver



A3 Servo saver



Part Bags used.



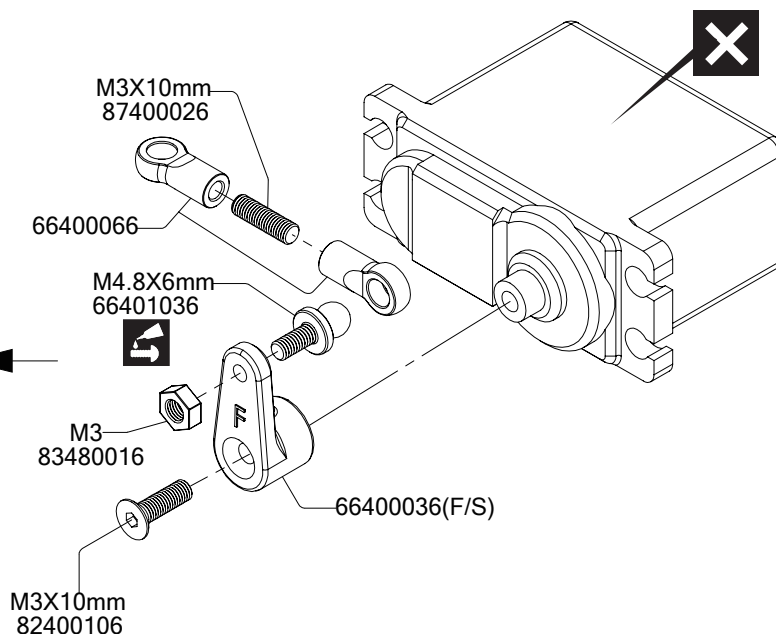
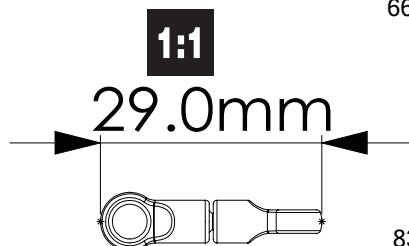
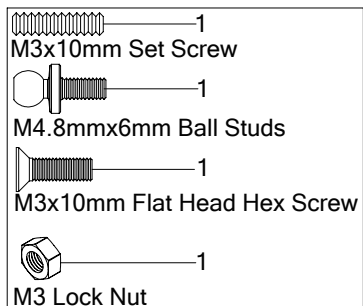
Do not over tighten.



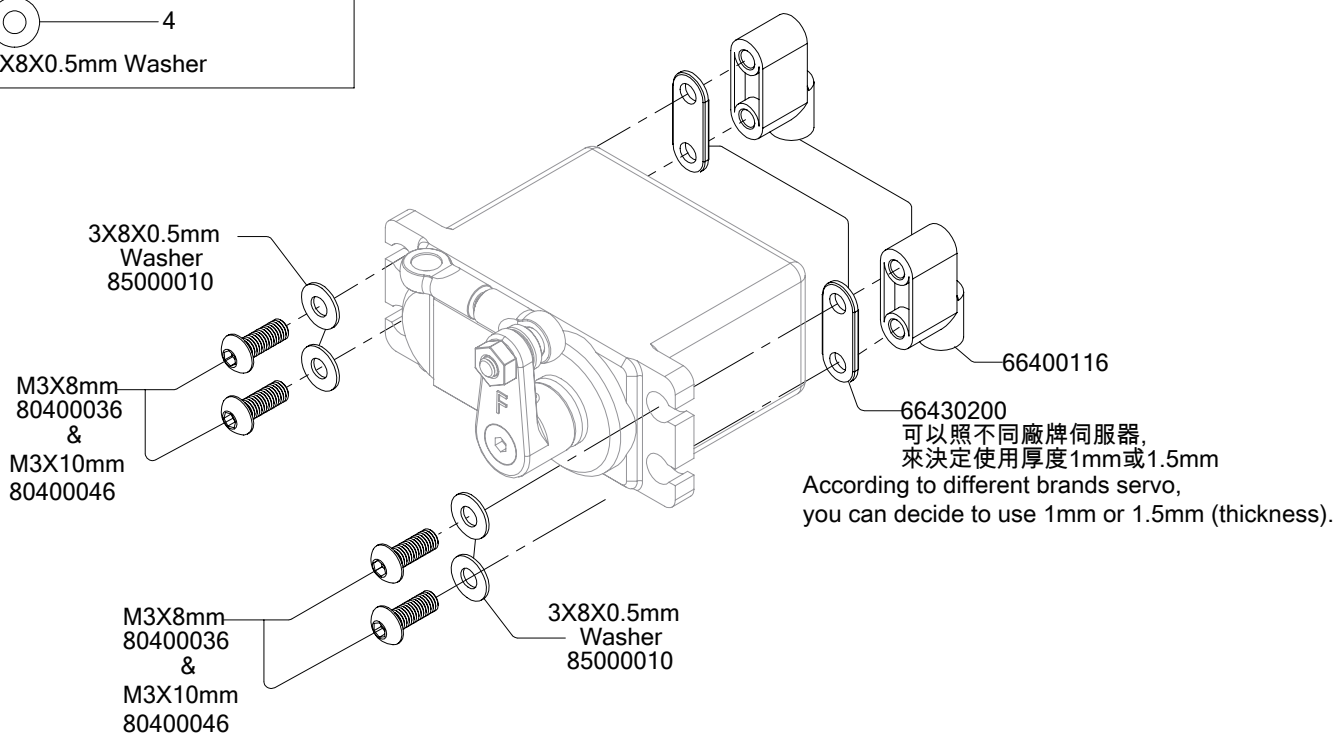
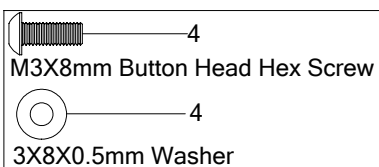
Apply threadlocker (screw cement)



A4 Steering Servo



A5 Steering Servo



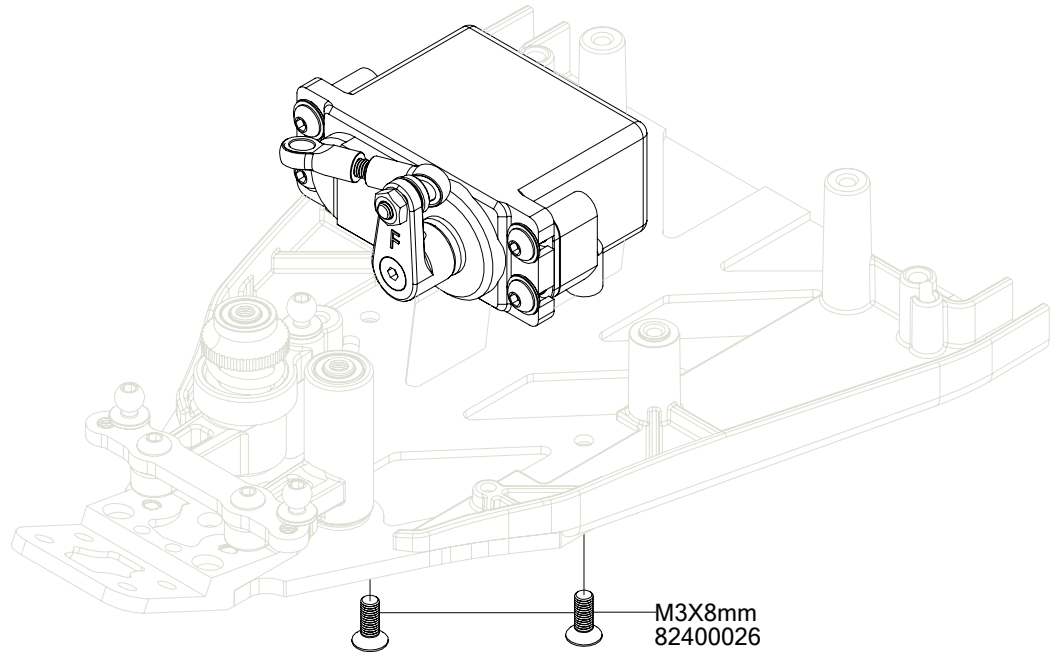


A6 Steering Servo



2

M3X8mm Flat Head Hex Screw

M3X8mm
82400026

B1 Front Suspension

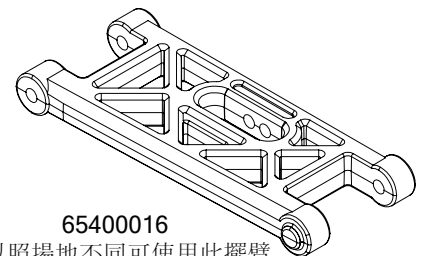


2

M3X8mm Head Hexd Screw

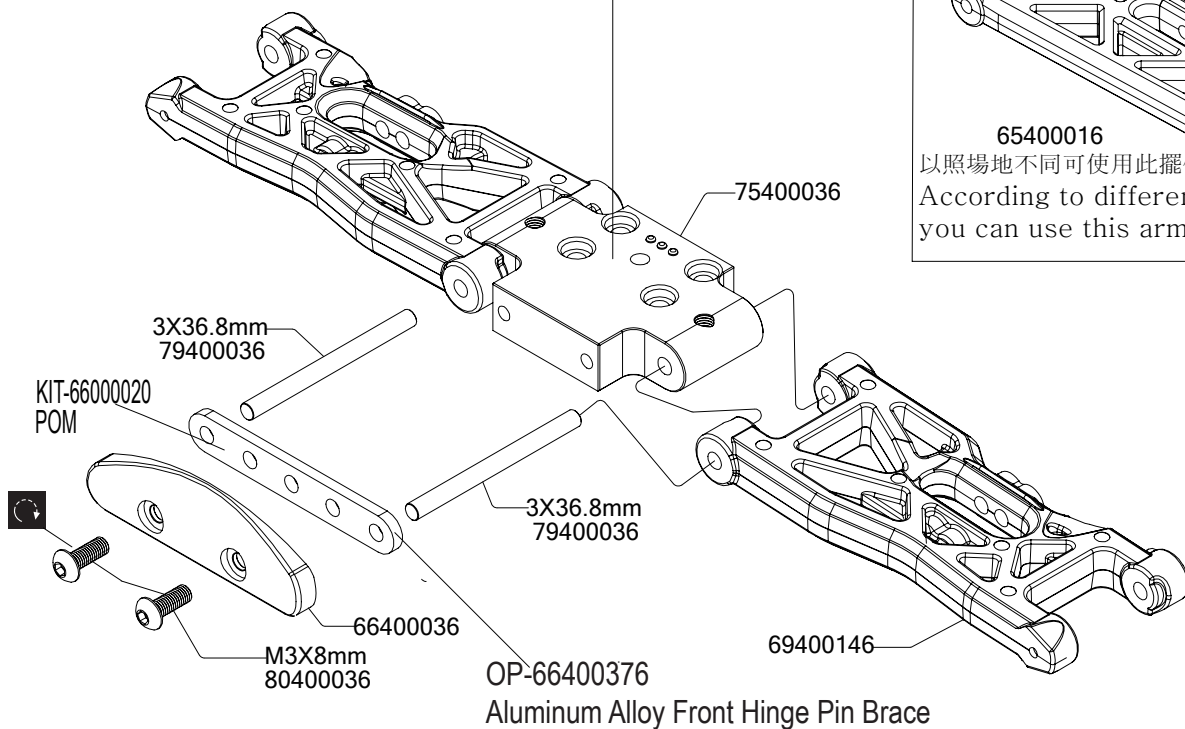
OP

- 66480476-0 Degree Aluminum Lower Swing Arm Mount(+5mm)
- 66481186-7 Degree Aluminium Lower Swing Arm Mount(+5mm)
- 66480146-3 Degree Aluminum Lower Swing Arm Mount(+0mm)
- 66480186-0 Degree Aluminum Lower Swing Arm Mount(+0mm)



65400016

以照場地不同可使用此擺臂
According to different grip onto track,
you can use this arm.

3X36.8mm
79400036KIT-66000020
POM

75400036

3X36.8mm
79400036

66400036

M3X8mm
80400036

OP-66400376

Aluminum Alloy Front Hinge Pin Brace

69400146



Part Bags used.

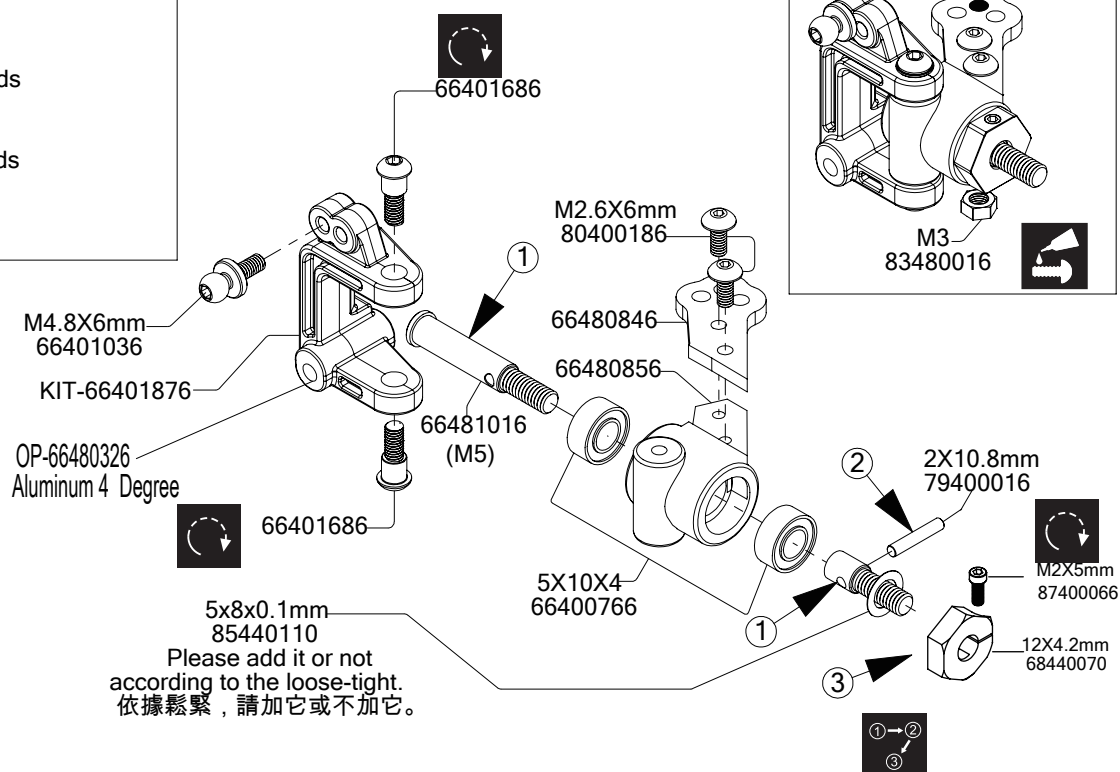


Do not over tighten.



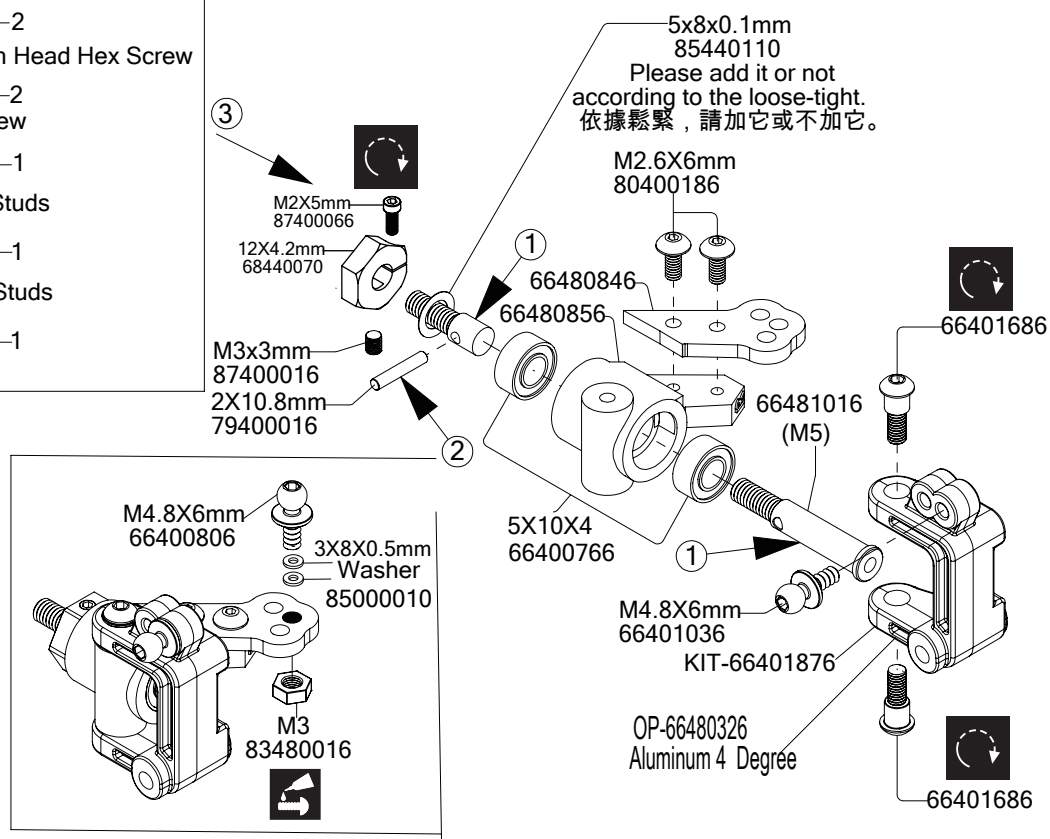
B2 Front Spindle[Left Side]

- 2
- 2
- 1
- 1
- 1



B3 Front Spindle(Right Side)

- 2
- 2
- 1
- 1
- 1



BAG
B

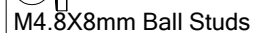
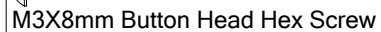
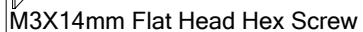
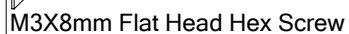


—M2.5X4mm
80400016

—3X29.80mm
79400026

—69400146

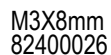
BAG
B



M4.8X8mm
66401046

026

MS
83400026

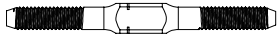


- 75400036 (25)⁰

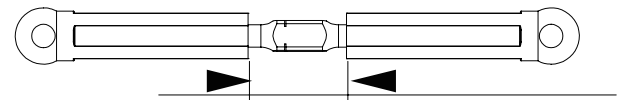
M3X14mm
82400046



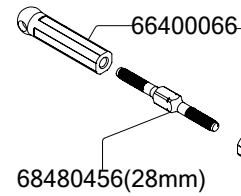
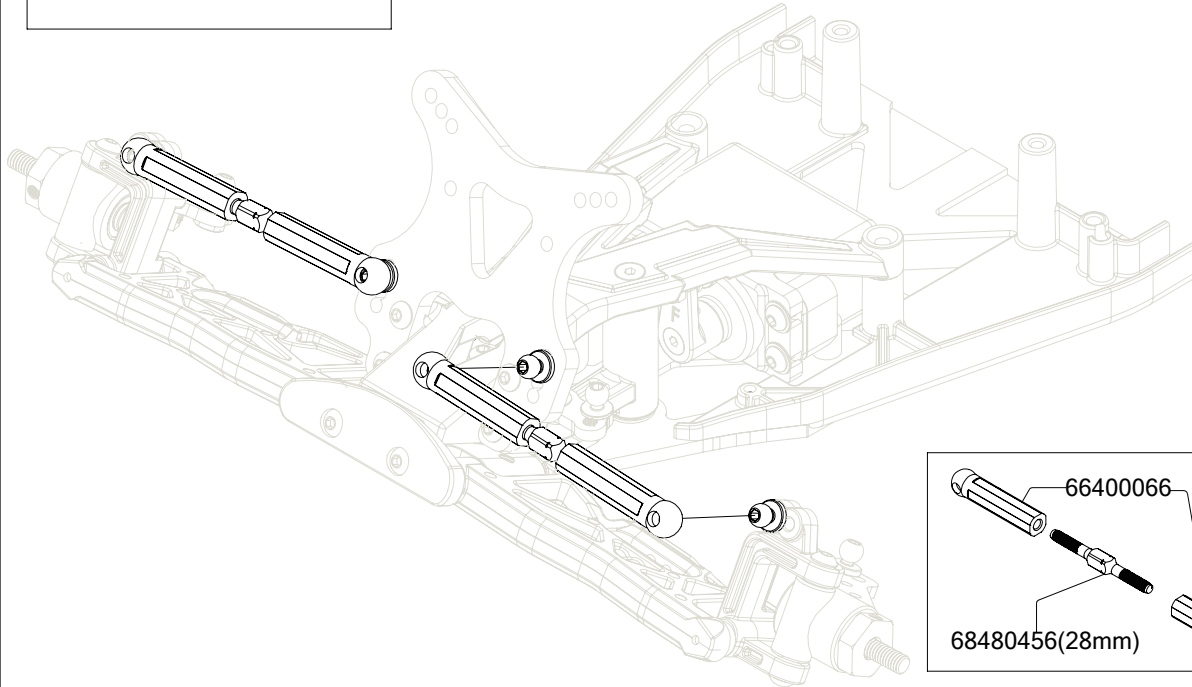
B6 Front Suspension



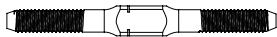
28mm Turnbuckle Rods



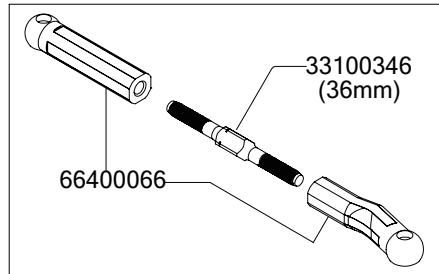
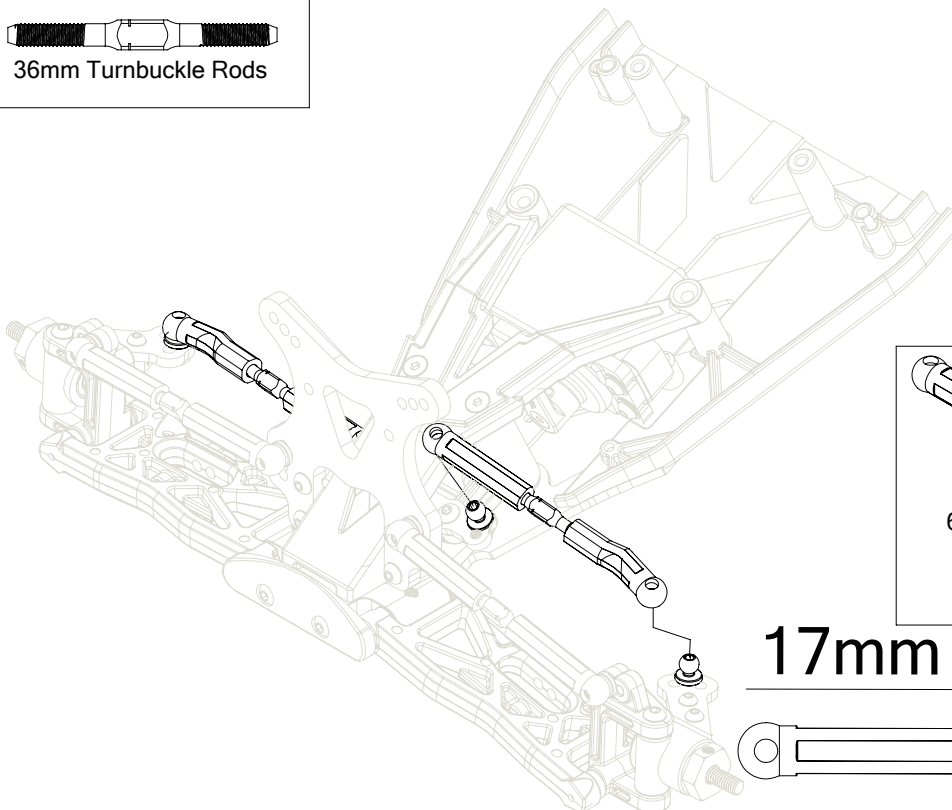
11mm



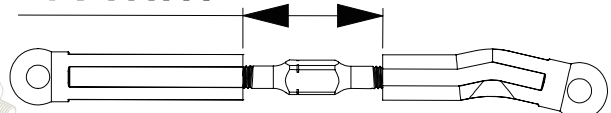
B7 Front Suspension



36mm Turnbuckle Rods

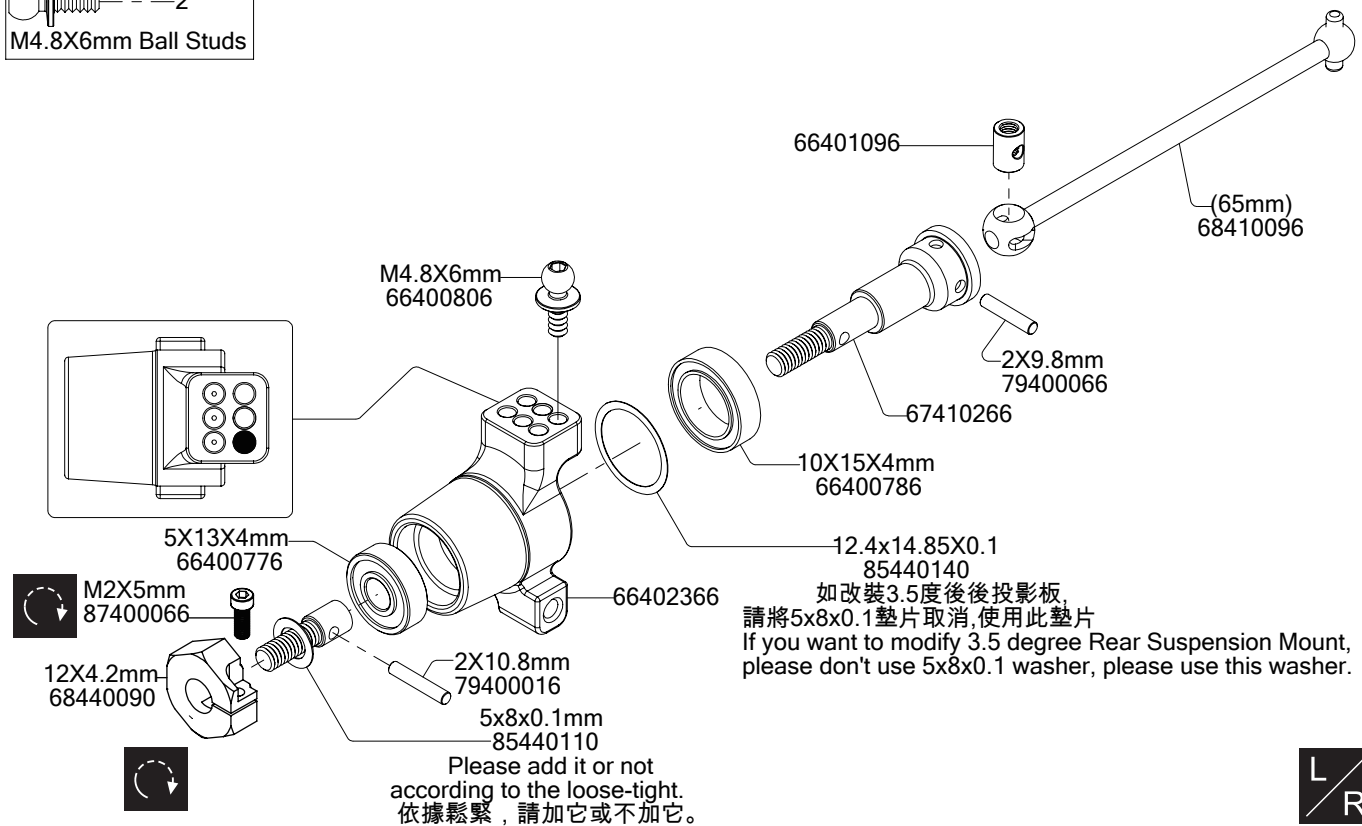


17mm

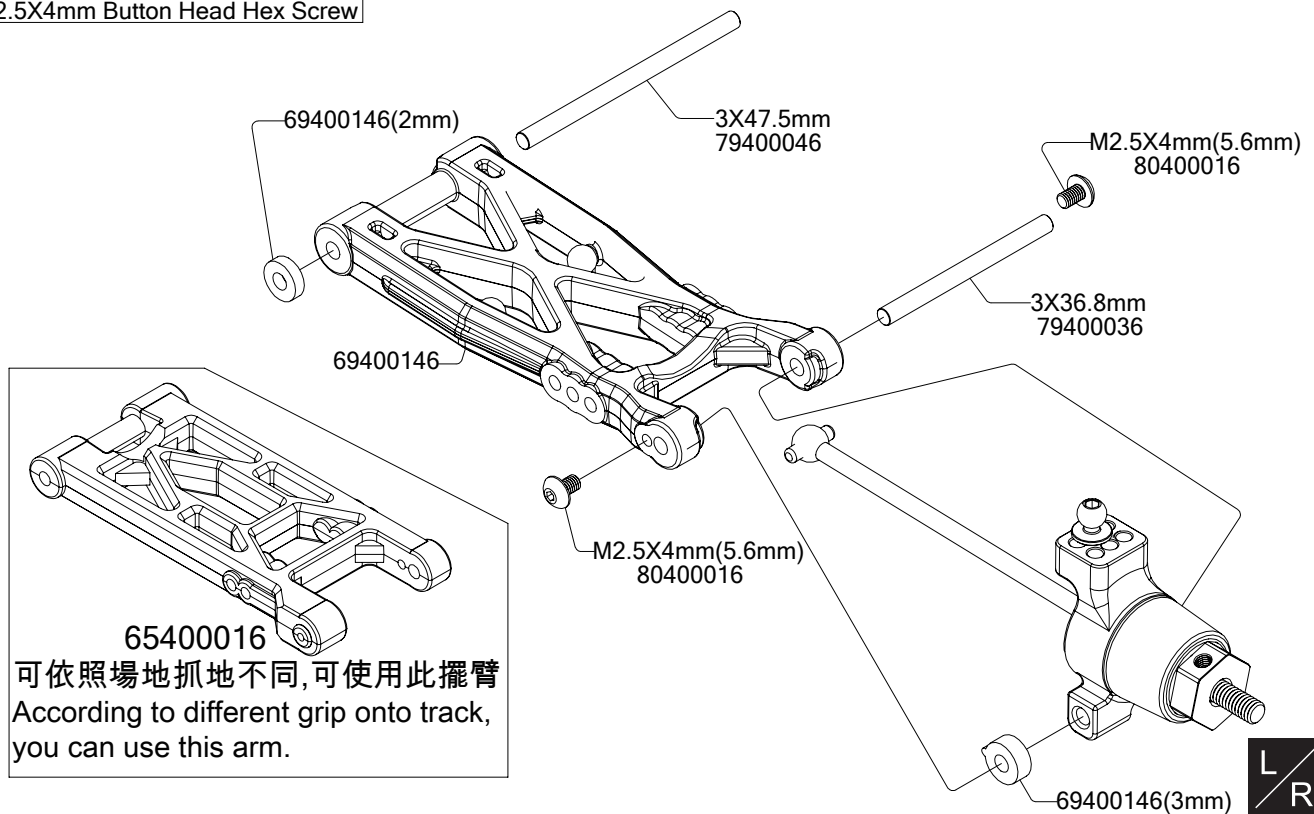
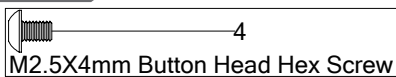




B8 Rear Hud&Cv.



B9 Rear Hud (L&R)



Part Bags used.



Assemble left and right
sides the same way.

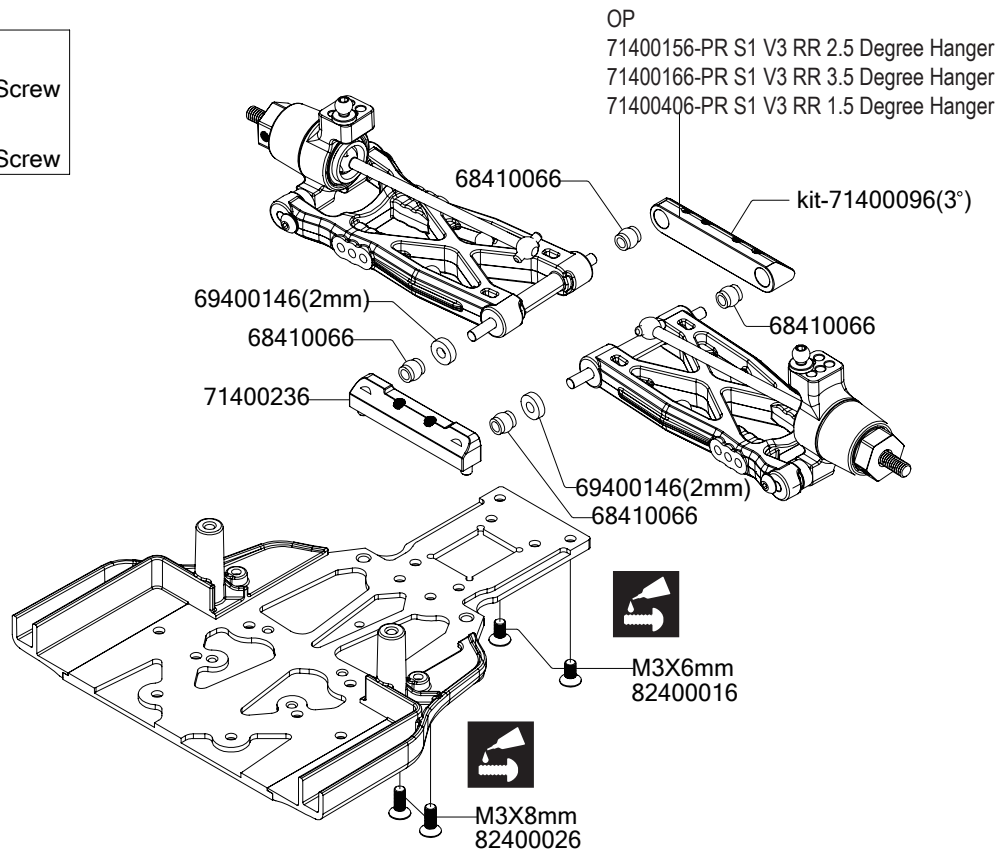


Do not over tighten.



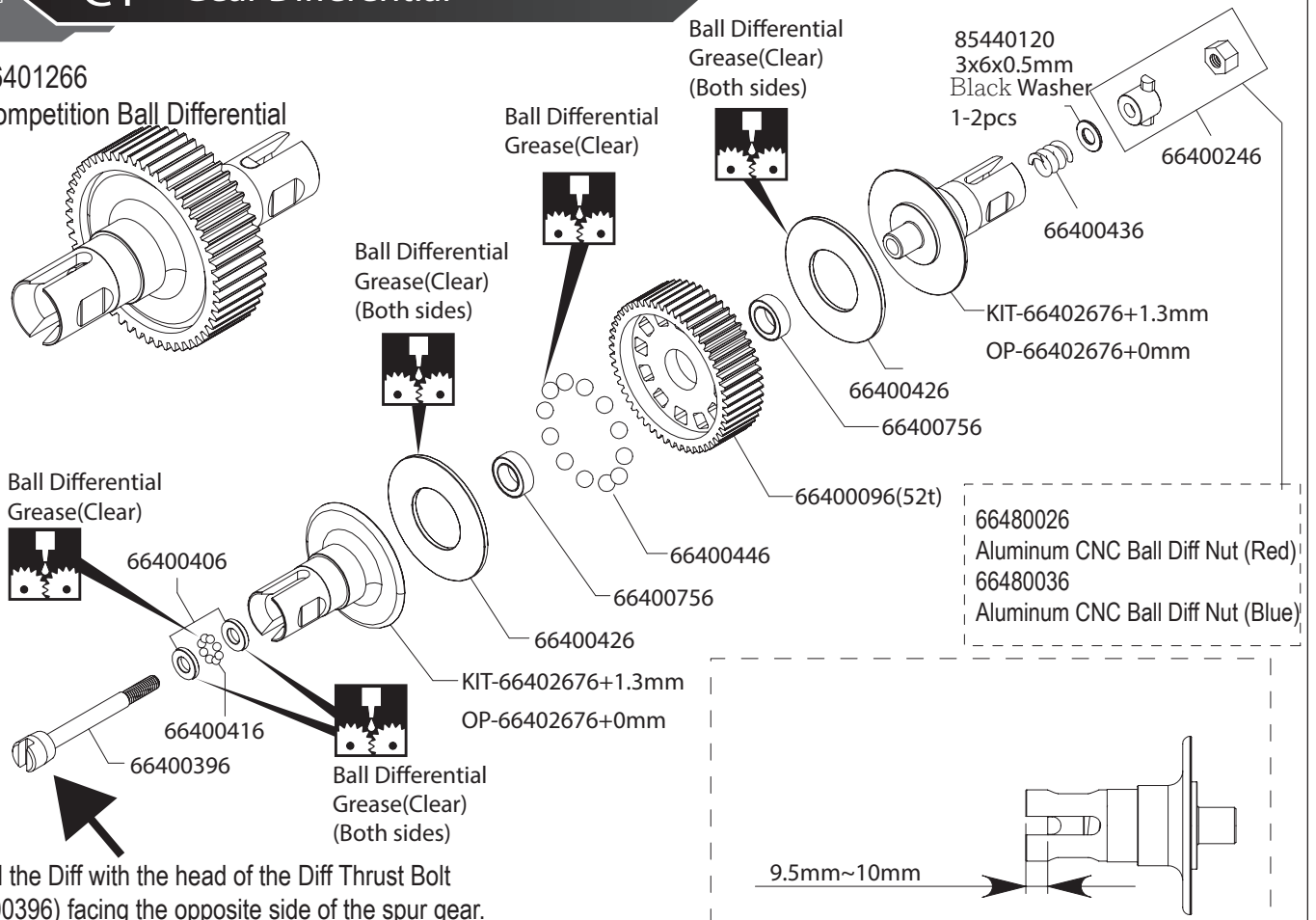
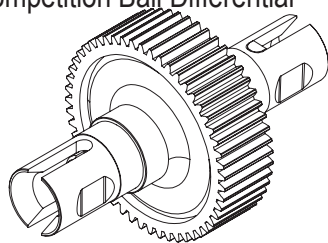
B10 Rear Suspension

- 2
M3X6mm Flat Head Hex Screw
- 2
M3X8mm Flat Head Hex Screw



C1 Gear Differential

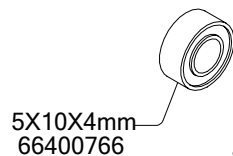
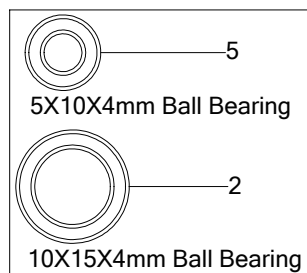
66401266 Competition Ball Differential



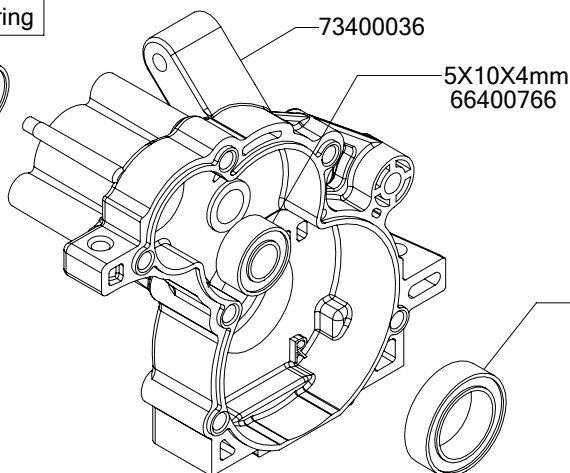


BAG
C

C2 Transmission Assembly



5X10X4mm
66400766



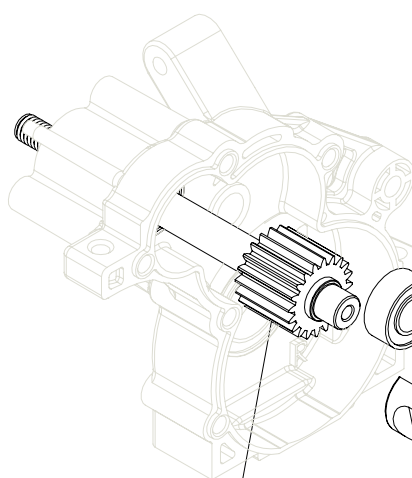
73400036

5X10X4mm
66400766

10X15X4mm
66400786

5X10X4mm
66400766

73400036



Top Shaft(20t)
66400526

10X15X4mm
66400786

OP-66402086
34T Aluminium
Idler Gear

34T
KIT-66402016

10X15X4mm
66400786

5X18mm Shaft Set Pin
66480226

**KIT-66402686-S1Competition
Ball Differential+1.3mm**

OP-66480276

PRS1 Complete Gear Diff Set

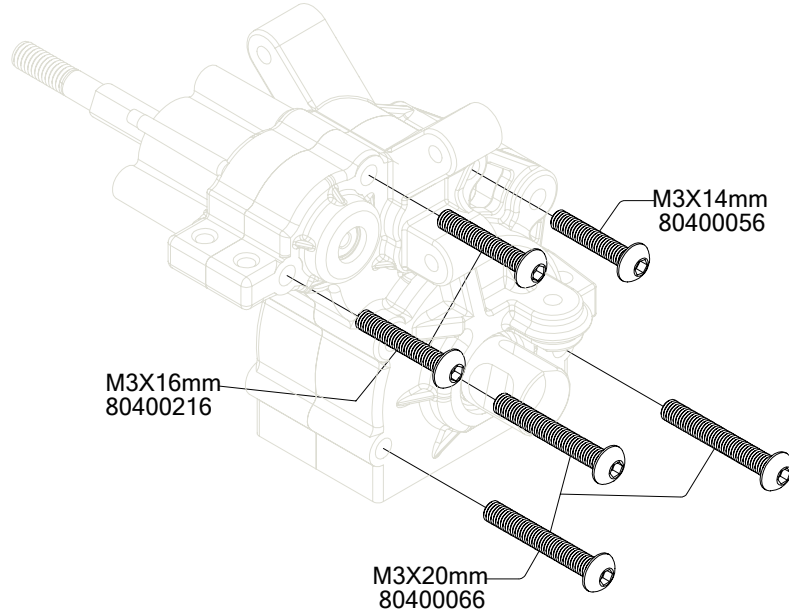


Part Bags used.



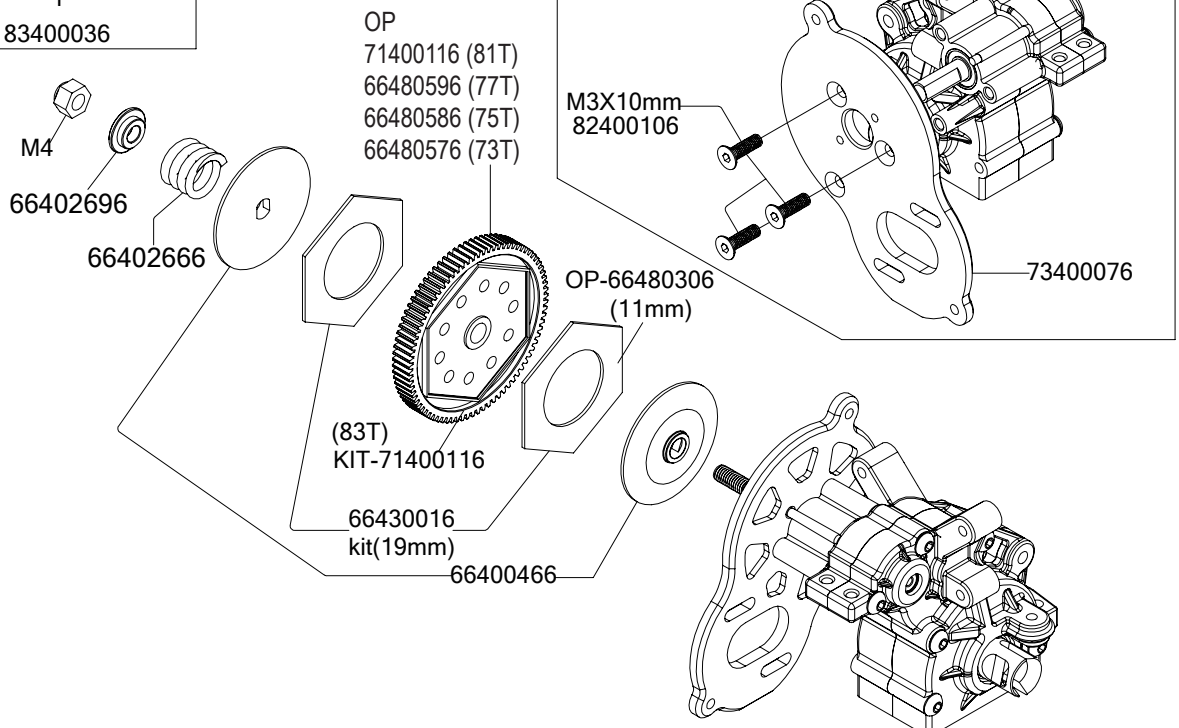
C3 Transmission Assembly

- 1
M3X14mm Button Head Hex Screw
- 2
M3X16mm Button Head Hex Screw
- 3
M3X20mm Button Head Hex Screw



C4 Transmission Assembly

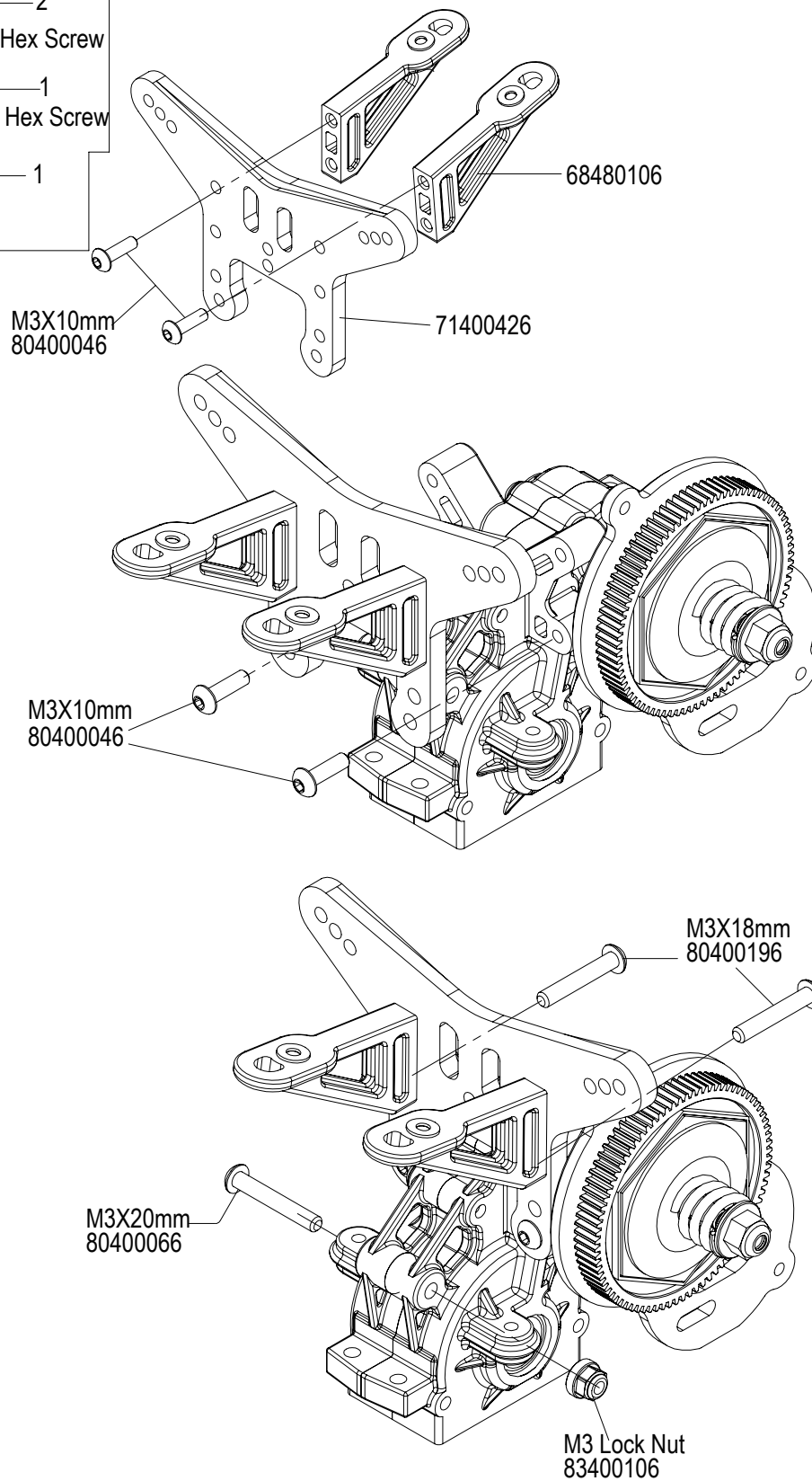
- 2
M3X10mm Flat Head Hex Screw
- 1
M4 Lock Nut 83400036





C5 Rear Shock Stay

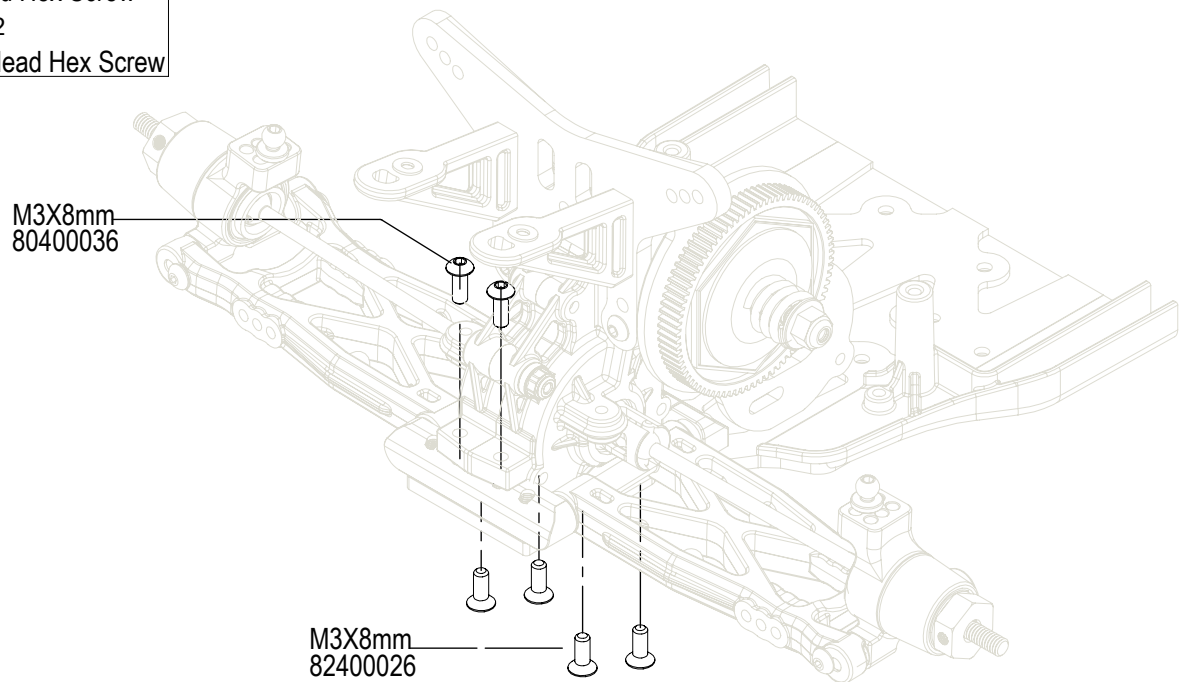
- 4
M3X10mm Button Head Hex Screw
- 2
M3X18mm Button Head Hex Screw
- 1
M3X20mm Button Head Hex Screw
- 1
M3 Lock Nut





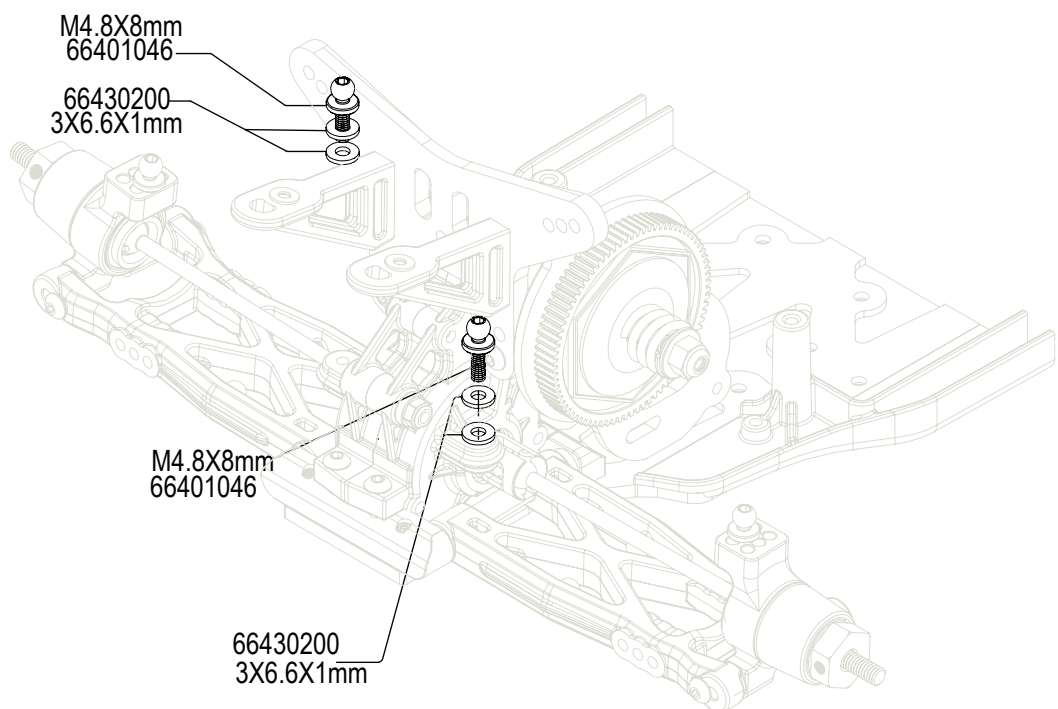
C6 Rear Grar Box

- 2
M3X8mm Flat Head Hex Screw
- 2
M3X8mm Button Head Hex Screw



C7 Rear Suspension

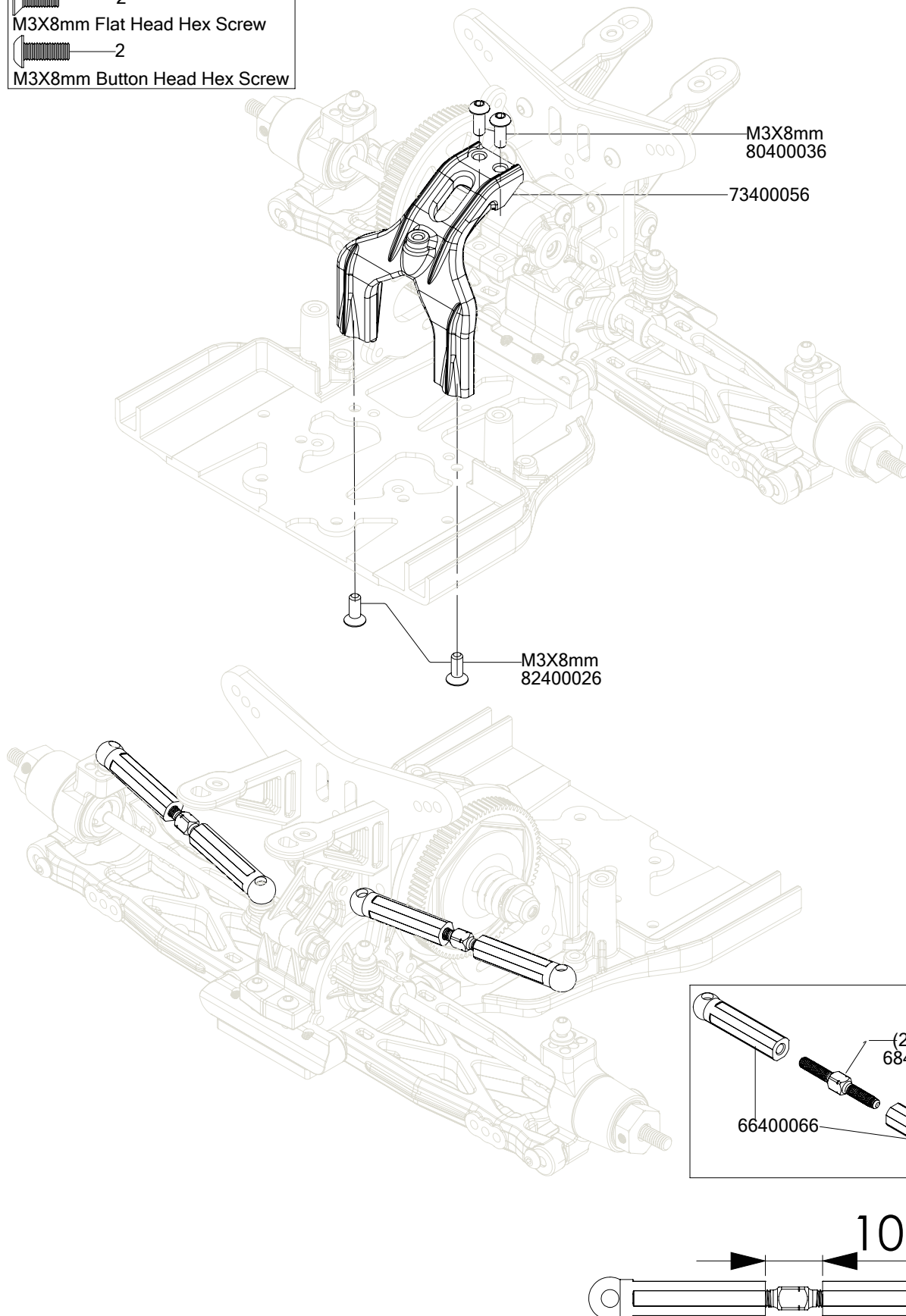
- 2
M4.8X8mm Ball Studs





C8 Rear Gear Box

-  2
 M3X8mm Flat Head Hex Screw
-  2
 M3X8mm Button Head Hex Screw





D1 Shock Assembly

Assemble 2 front and 2 rear shocks

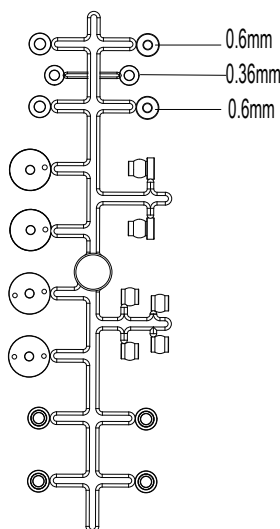
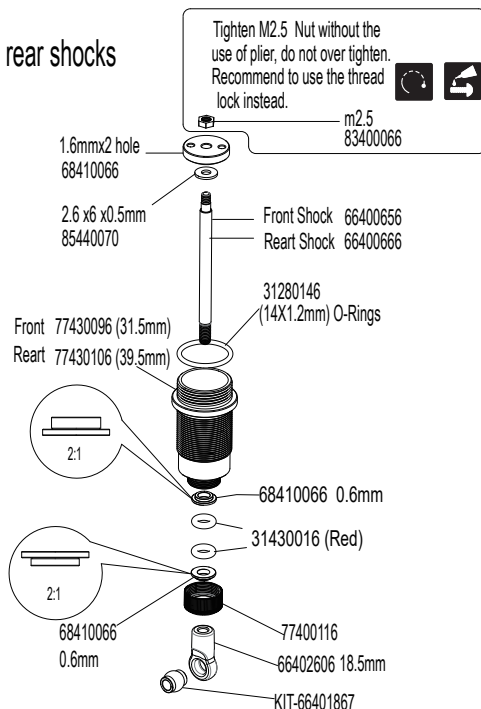
INCORRECT

EXTREMELY IMPORTANT

Do not push the shock rod straight through the lower shock body assembly; O-ring damage may result.

Twist the shock rod through the lower shock body assembly.

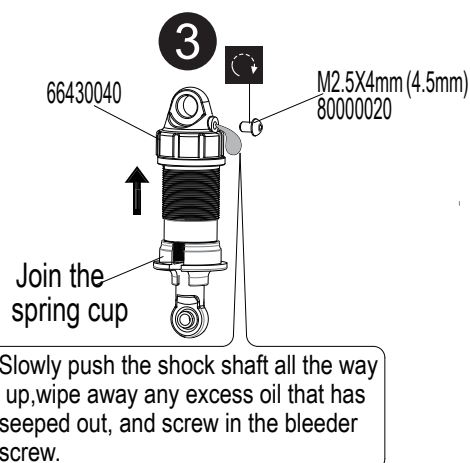
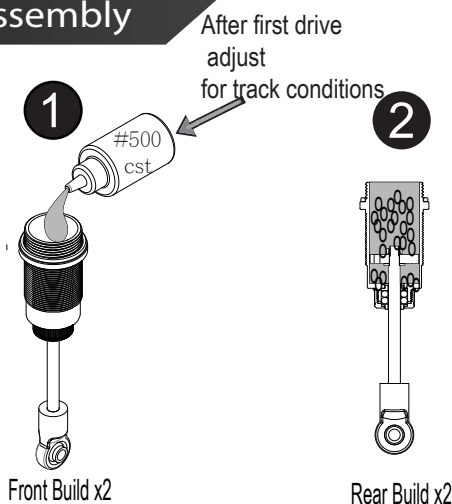
CORRECT



D2 Shock Assembly

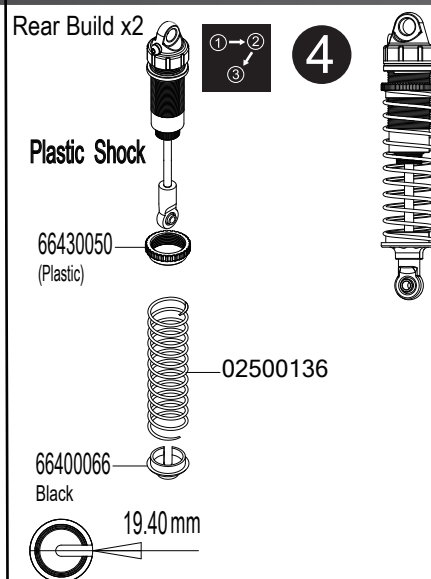
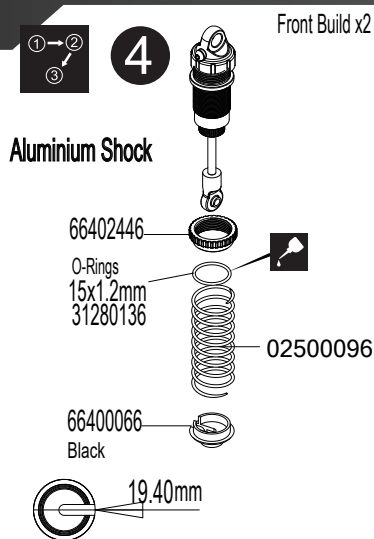
Slowly move up and down to remove air bubbles.

Front Build x2
Rear Build x2



D3 Shock Spring

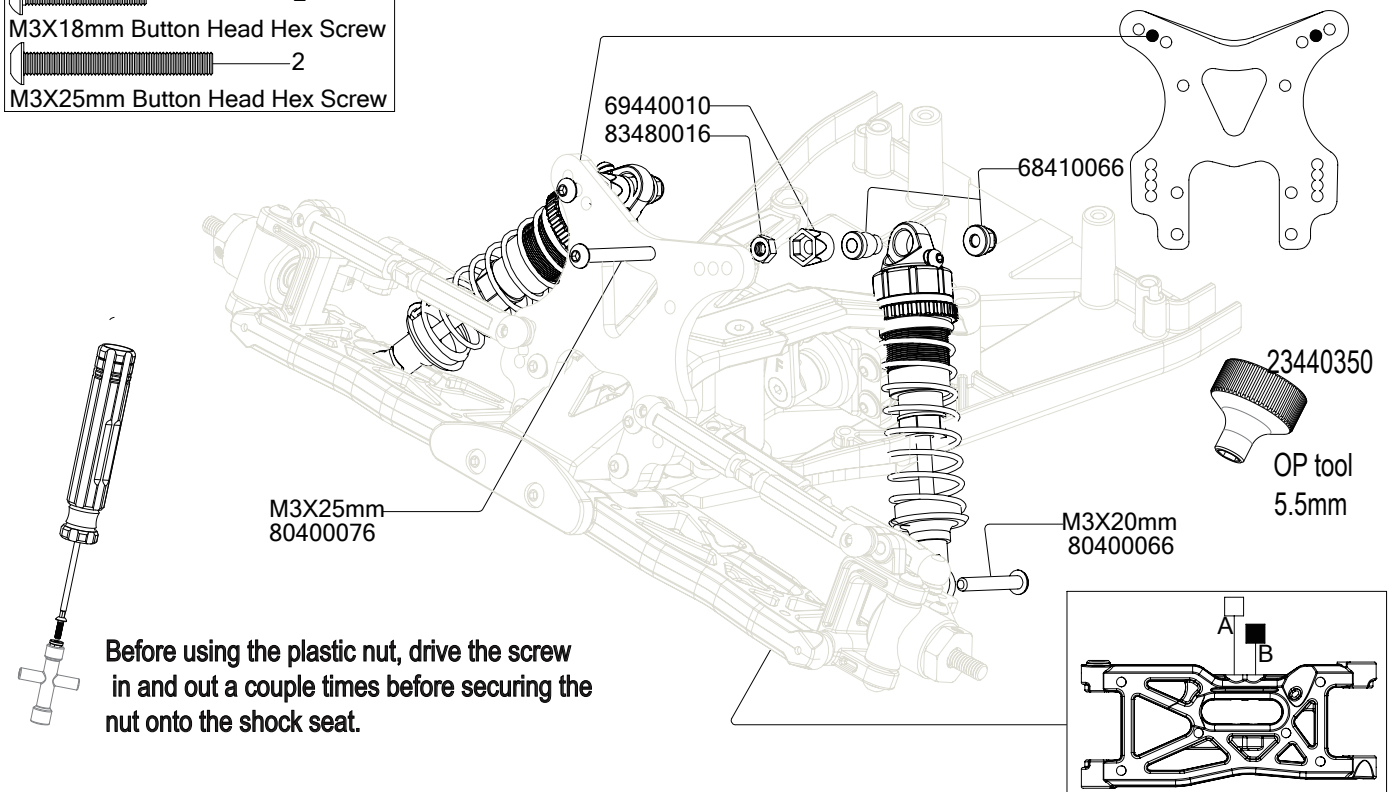
PR RACING			
2019 PR 1/10 Type R Shock Spring			
71530016-Type R Front Shock Spring Set (Not included-02530016)			
PART NO:	Color	kg/mm	lbs/in
02500096	Transparent	0.053	2.97
02500106	Blue	0.058	3.25
02500146	White	0.061	3.42
02500116	Red	0.063	3.53
02500126	Yellow	0.068	3.81
02530016	Green	0.075	4.20
02530026	Black	0.080	4.48
02530036	Blue Red	0.085	4.76
02530046	White Yellow	0.090	5.04
02530116	Green Black	0.098-(RT)	5.88-(RT)
71530026-Type R Rear Shock Spring Set (Not included-02530126)			
02500056	Transparent	0.030	1.80
02500066	Blue	0.035	2.10
02500136	White	0.037	2.22
02500076	Red	0.040	2.40
02500086	Yellow	0.045	2.70
02530056	Green	0.050	3.00
02530066	Black	0.055	3.30
02530076	Blue Red	0.060	3.60
02530086	White Yellow	0.065	3.90
02530126	Green Black	0.073-(RT)	4.50-(RT)





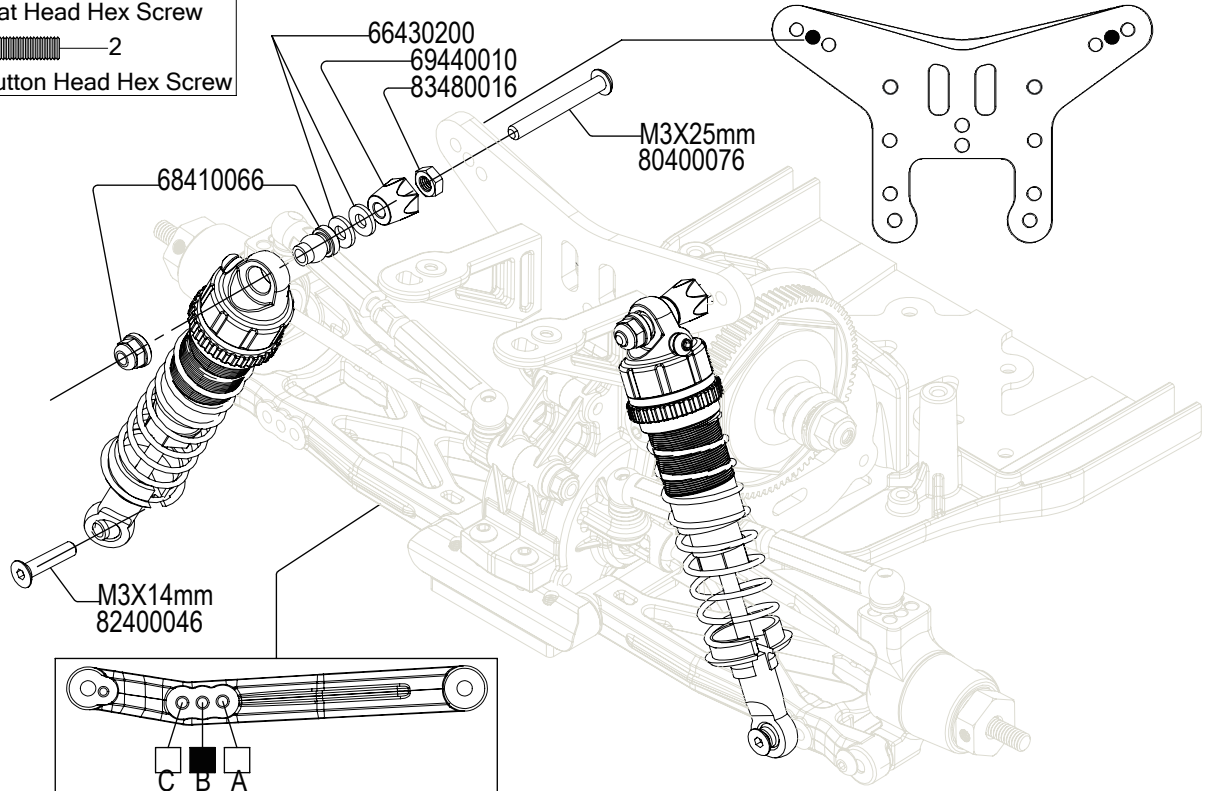
D4 Front Suspension

-  2
M3X18mm Button Head Hex Screw
-  2
M3X25mm Button Head Hex Screw



D5 Rear Suspension

-  2
M3X14mm Flat Head Hex Screw
-  2
M3X25mm Button Head Hex Screw



Part Bags used.

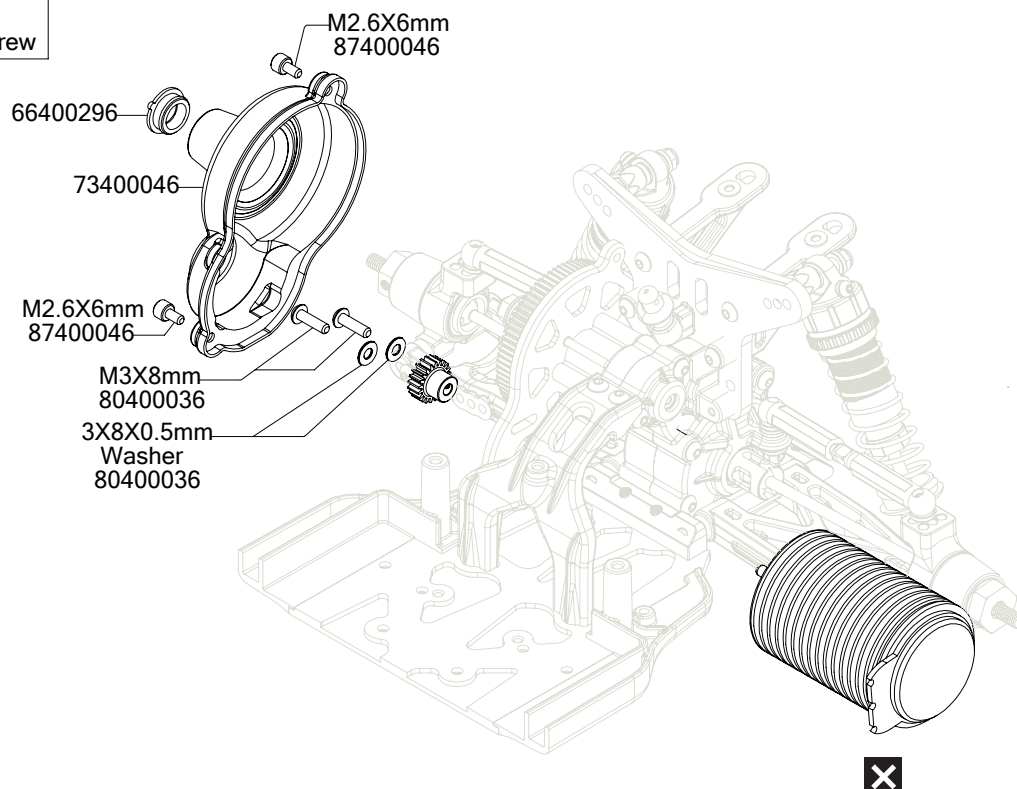


Ensure smooth non-binding movement while assembling.



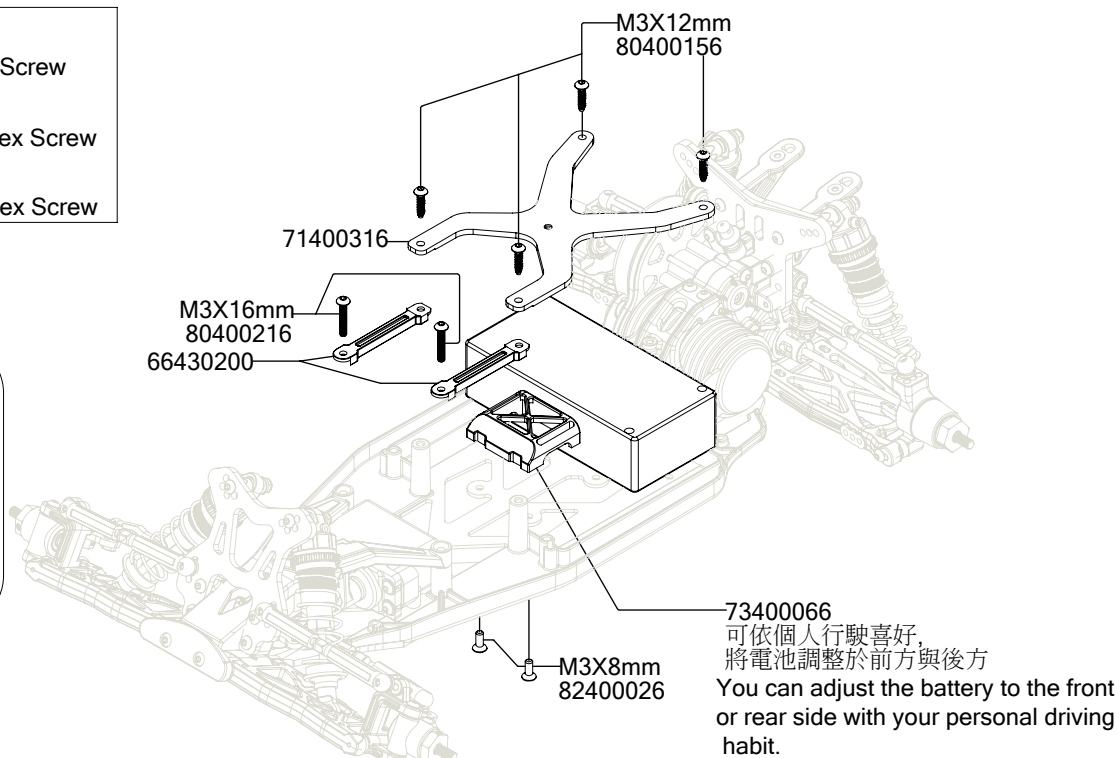
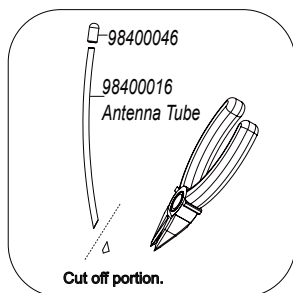
D6 Motor

- 2
M2.5X6mm Cap Screw
- 2
M3x8mm Button Head Hex Screw



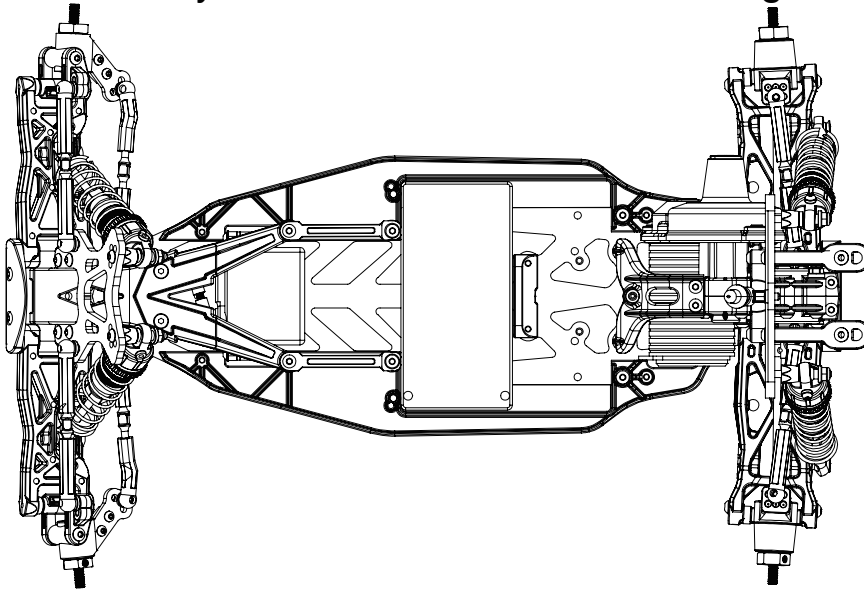
D7 BATTERY Plate

- 2
M3X12mm Flat Head Hex Screw
- 4
M3X12mm Button Head Hex Screw
- 2
M3X16mm Button Head Hex Screw

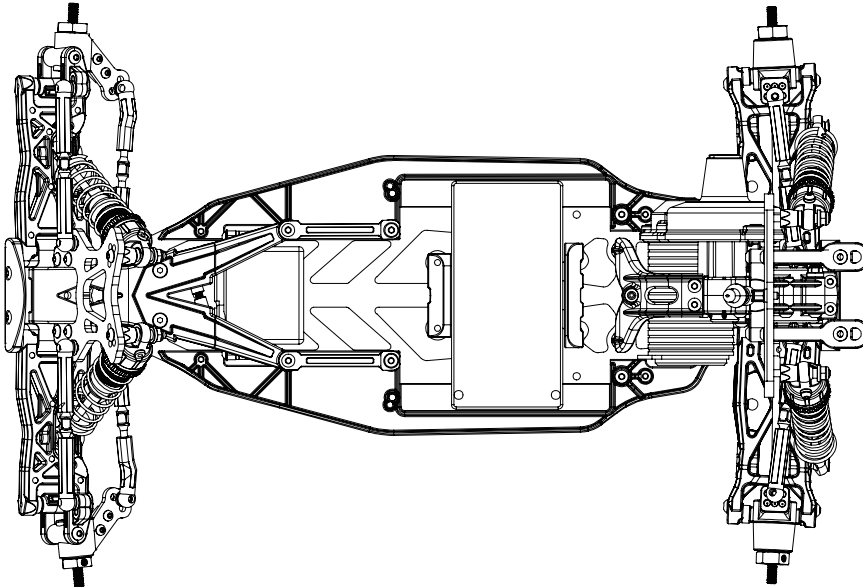


可依照不同場地，可選擇電池A.B.C三種模式
You can choose Battery A, B, C three modes according to different track.

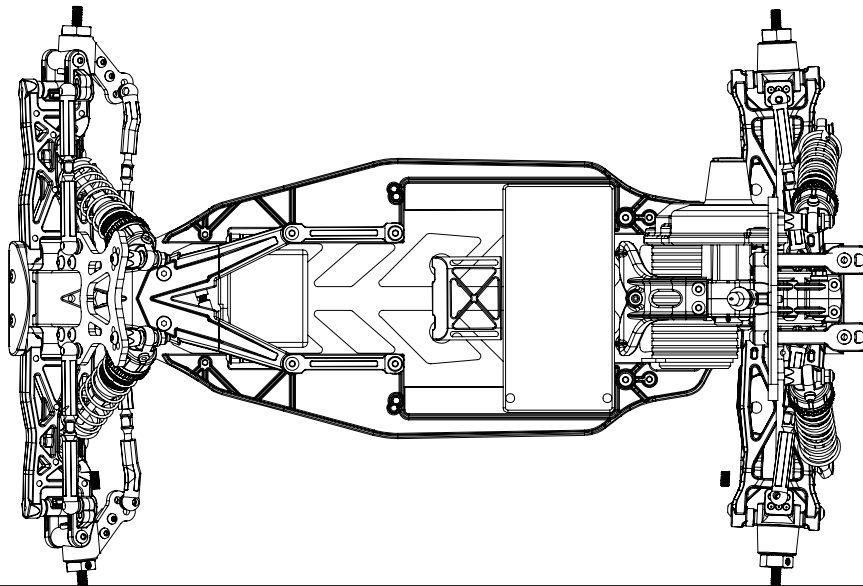
A.



B.

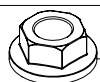


C.





D9 Body&Wheels



M5 Lock Nut

4

2022 Update-71400666

66400286

66400946

68480036

66400946

66400116

66400286

99400056
Velcro Tape

66400976

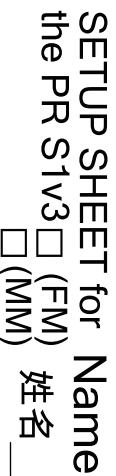
M5
83400086

99400056
Velcro Tape

66400966

M5
83400086



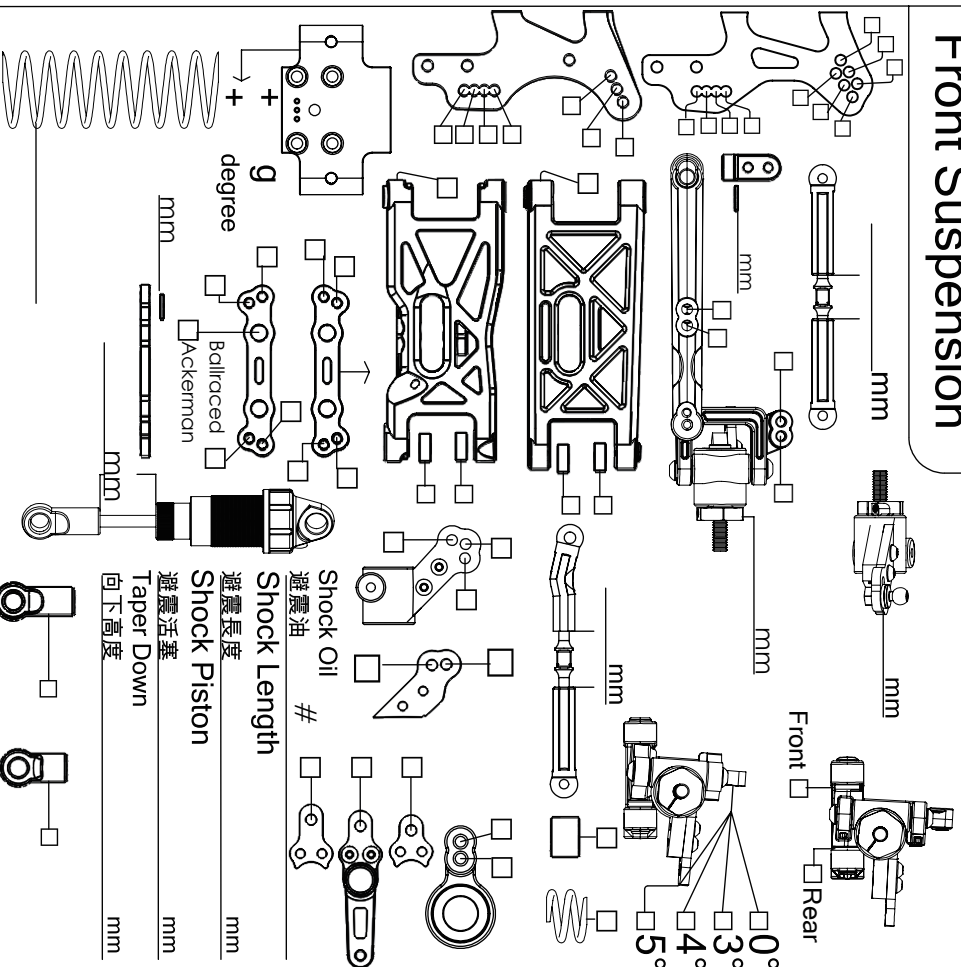


Date

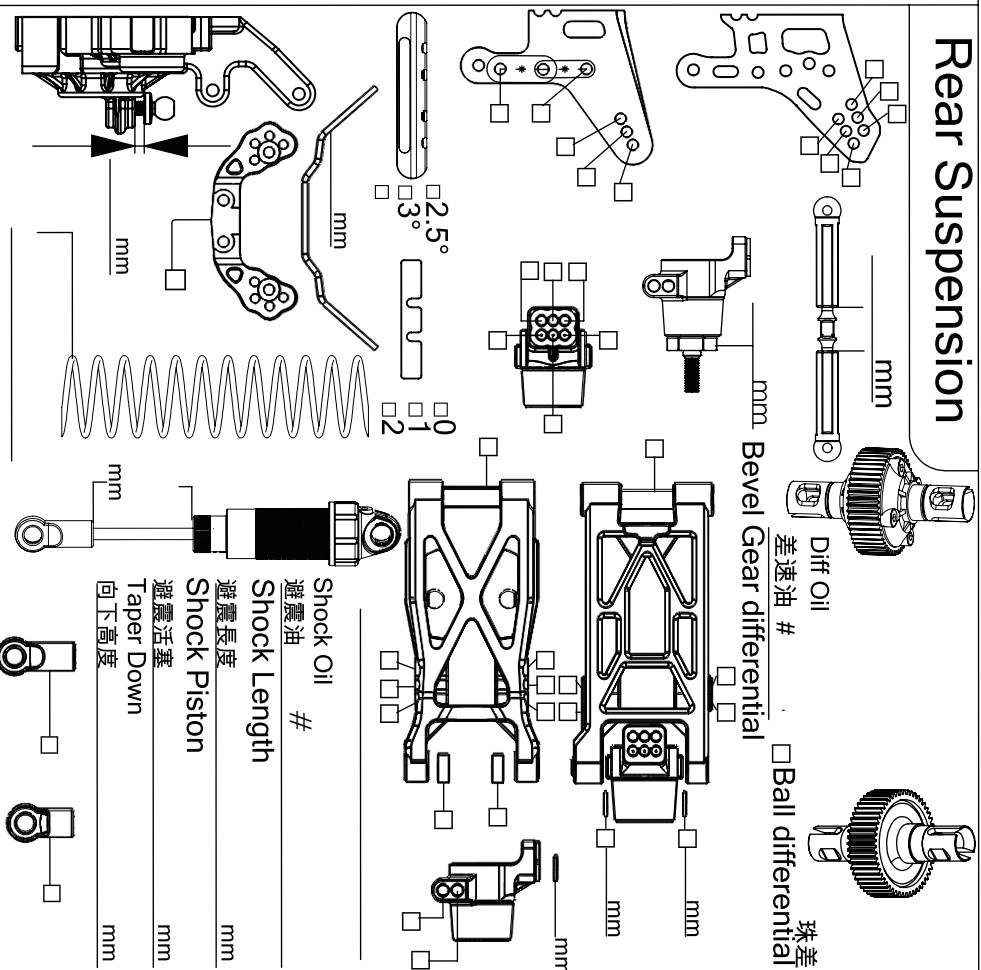
Track/City

Event 活動

Front Suspension



Rear Suspension



Front

Tire 輪胎



wheel 輪框

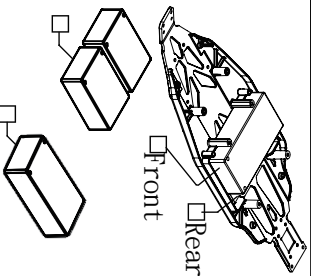
Insets 內海綿



Tire 輪胎

wheel 輪框

Insets 內海綿



Weather 氣候
Temperature

首
回

Humidity 溼度

Track Conditions

跑道情况

Size: 尺寸 ☐ Open 開放 ☐ Med 中 ☐ Tight 小

□ Tight 小

Surace: 表面 ☐ Smooth 滑 ☐ Med 中 ☐ Blumby 布木

ed by Bumpy 顛坡

Others

其他

Ride Height

車子高度

ESC/Motor

ESC/馬達

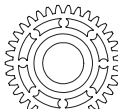
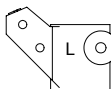
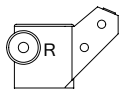
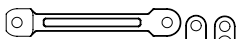
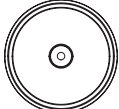
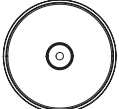
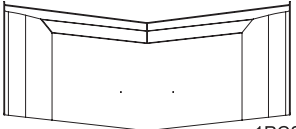
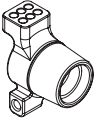
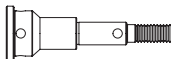
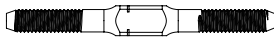
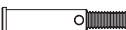
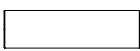
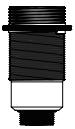
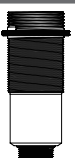
Battery

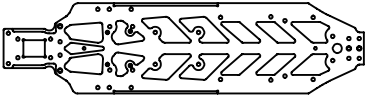
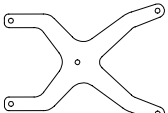
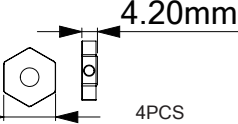
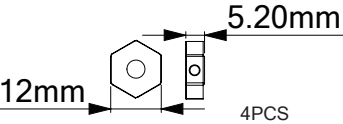
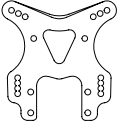
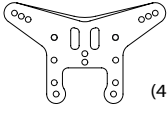
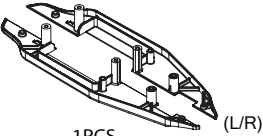
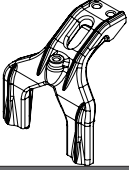
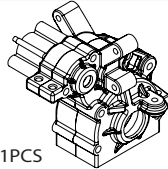
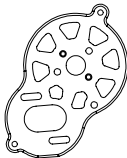
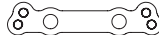
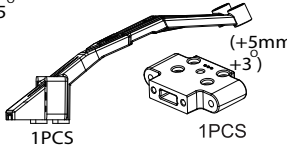
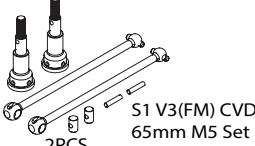
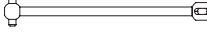
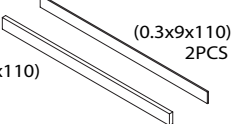
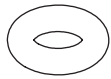
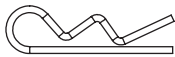
電池

Pinion/Spur

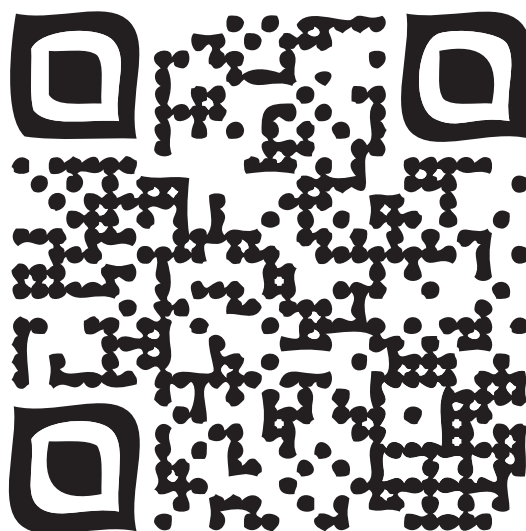
馬達齒/齒輪



65400016	66400036		66401876
 2PCS	 1PCS  1PCS  2PCS  1PCS  4PCS  1PCS  1PCS  1PCS  2PCS  2PCS		  (L/R 3)
66430090	66400066	66402016	66480856
 4pcs(13x1mm)  4pcs(M2.5x4mm)	 4PCS  8PCS  2PCS  2PCS  4PCS  4PCS  4PCS	 2pcs(34T)	 1PCS  1PCS
66430080	66400066	66400116	66430200
 4pcs	 4PCS  8PCS  2PCS  2PCS  4PCS  4PCS  4PCS	 1PCS  1PCS  1PCS  1PCS  2PCS  2PCS  1PCS  2PCS	 2pcs
66400176	66400186	66480826	66480646
 16PCS  2PCS  2PCS	 2PCS  2PCS  2PCS  2PCS	 1pcs  1pcs	 1PCS 20T Light weight
66400256	66480846	85440110	66400286
 2PCS  2PCS	 2pcs  4pcs(2.5x8mm)	 5x8x0.1mm Washer 4PCS	 1PCS
66480926	66401006	67410266	66402616
 2pcs (+2-2cnc)	 8PCS  8PCS  4PCS	 2pcs (M5)	 2PCS
66402256	66400346	67400256	66401686
 1PCS	 6PCS (36mm)	 2PCS	 4pcs
66400376	66480226	66402056	66430336
 1PCS	 5x18 2PCS Light weight	 2pcs	 2PCS
79400016	79400026	79400036	66402476
 2x11 4PCS	 3x30 2PCS	 3x36.8 4PCS	 2PCS

66402266	71430060		71400316
			
1PCS	1PCS		1PCS (carbon)
68440090	68440080	83400086	85440180
			
4PCS	4PCS	M5 4PCS	1PCS
71400466	71400426	73400066	73400056
			
1PCS (4mm-carbon)	1PCS (4mm-carbon)	1PCS (L/R)	1PCS
73400036	71400666	71400096	74480016
			
1PCS	1PCS	1PCS (RR-3)	2PCS
73400076	71400106	67400106	74480026
			
1PCS	1PCS (For S1 V3)	1PCS	2PCS
66480606	71400126	71400136	99000010
			
1PCS (83T)	2PCS S1 V3(FM) CVD 65mm M5 Set	2PCS (65mm)	2PCS (0.1x9x110) 2PCS (0.3x9x110)
66400676	66401056	66430016	98400046
			
8PCS	10PCS	2PCS(19mm)	6PCS
66480866	68480456	66410026	66480696
			
(M4.8x4.8mm)	(M4)	M++ 2PCS	M+ 2PCS
66400756	66400766	66400776	66400786
			
5x8x2.5 Ball Bearing 6PCS	5x10x4 Ball Bearing 10PCS	5x13x4 Ball Bearing 2PCS	10x15x4 Ball Bearing 4PCS

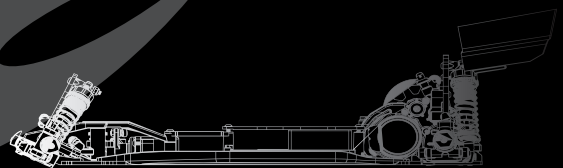
P R R A C I N G P R R A C I N G



P R R A C I N G P R R A C I N G

PR51V3(MM)

1/10 ELECTRIC 2WD RACING PRO KIT



EMAIL : infopracing@gmail.com