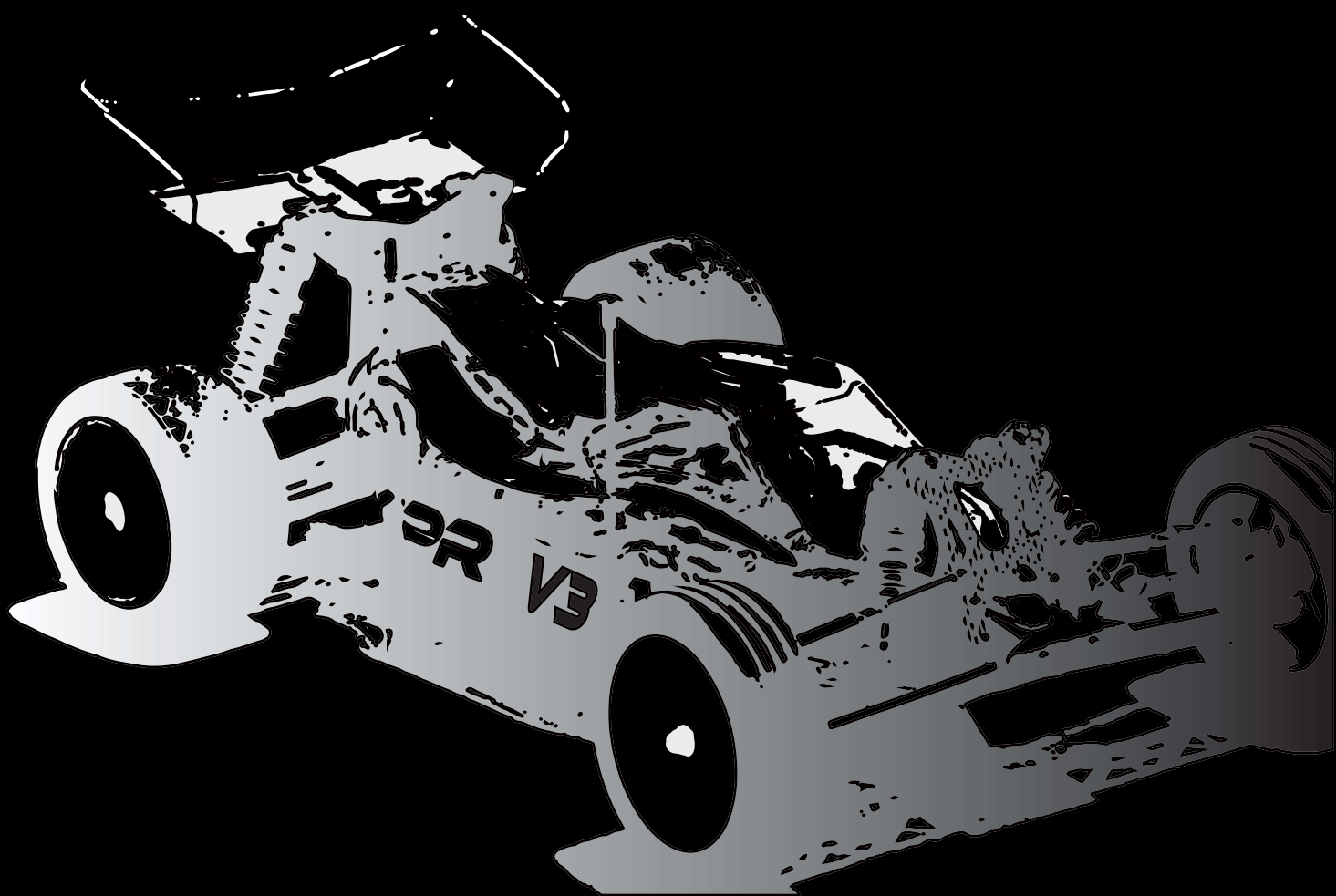


PR51V3(MM)

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 firmant

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

precirotate@gmail.com

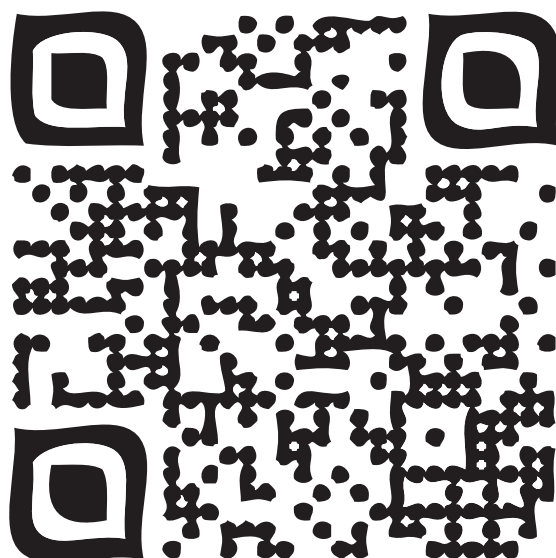
precirotate@hotmail.com



Thank you for choosing PRECIROTATE. 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
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Servo Saver	
Steering Servo	
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Front Spindle (Left Side)	
Front Spindle (Right Side)	
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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.



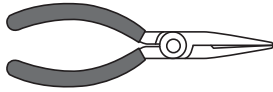
Apply oil.

- 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.

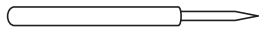
TOOLS REQUIRED

CAUTION: Handle tools carefully!

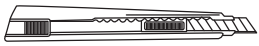
- Needle Nose Pliers



- Awl



- Sharp Hobby Knife



- Grease



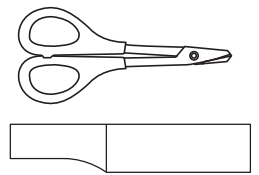
- Wire Cutters



- Screw Cement

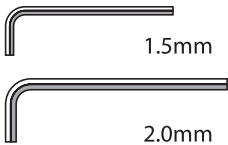


- Round Cutter & Sander



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

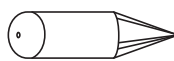
- Hex Wrench



- Ball Differential Grease

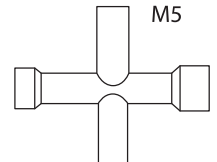


- SP Knife Edge Reamer



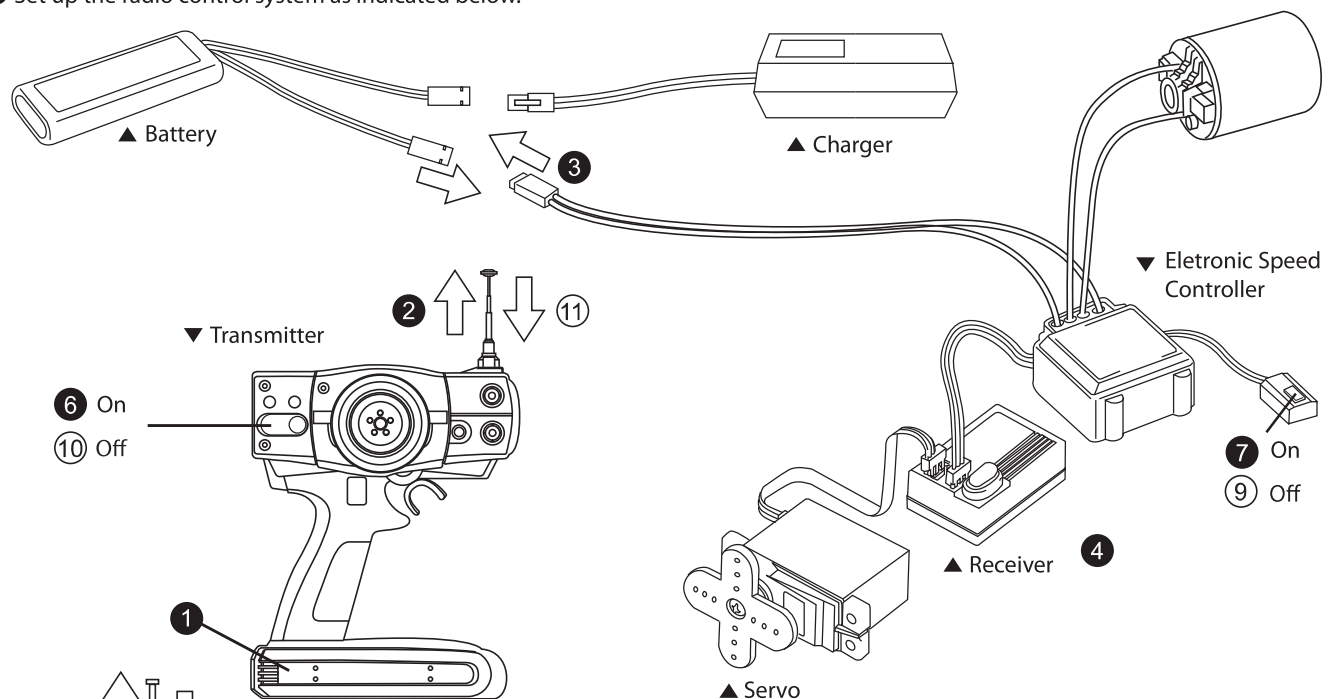
Do not pre-drill as precise drilling of 1mm to 15mm holes can be performed after body shell painted.

- 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.



START

- 1 Install batteries.(Transmitter)
- 2 Extend the antenna.(Transmitter)
- 3 Connect the battery to the ESC.
- 4 Extend the antenna.(Receiver)
- 5 Center the trims.
- 6 Switch on both the transmitter and receiver.
- 7 Make sure the servos are in command.

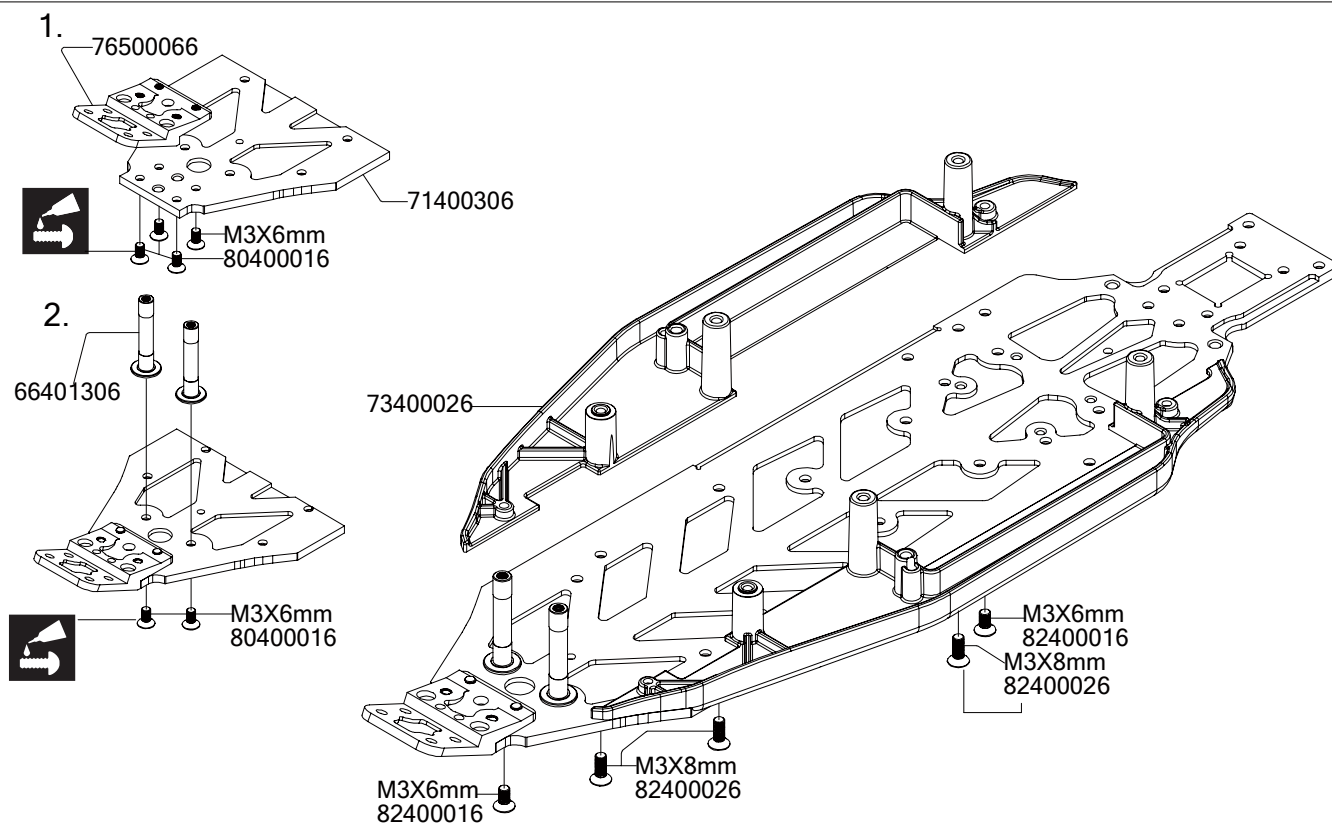
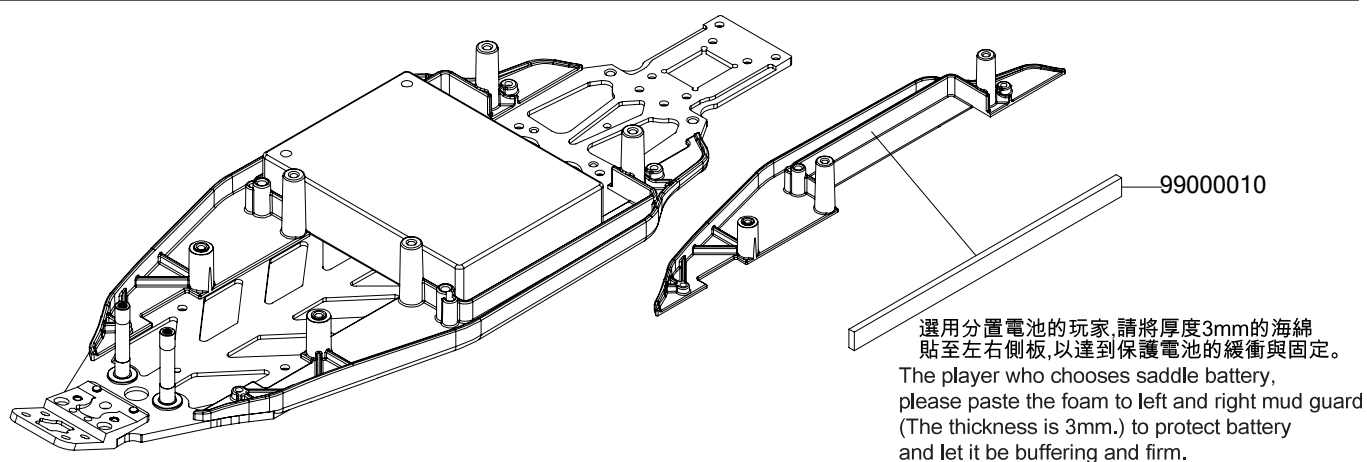
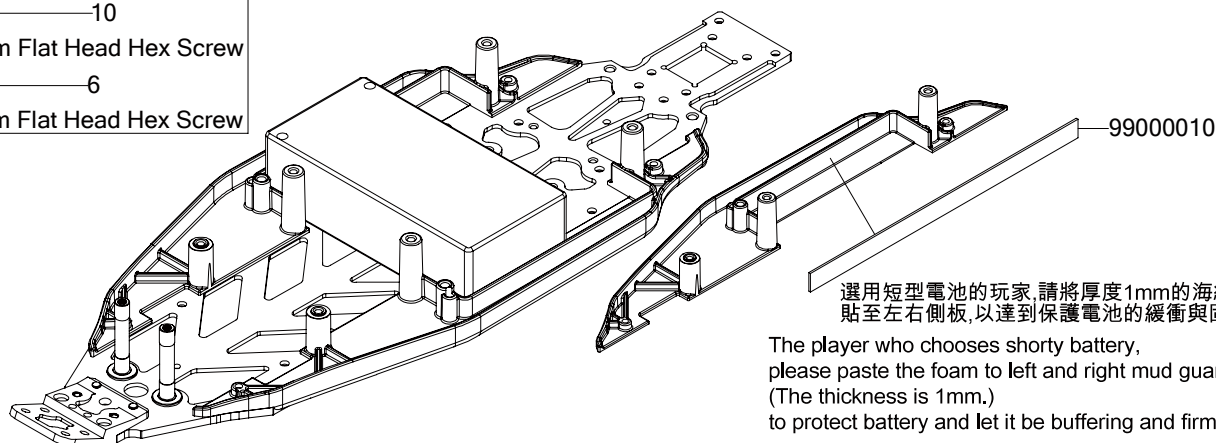
FINISH

- 8 Switch off both the transmitter and receiver.
- 9 Retract the antenna. (Transmitter)



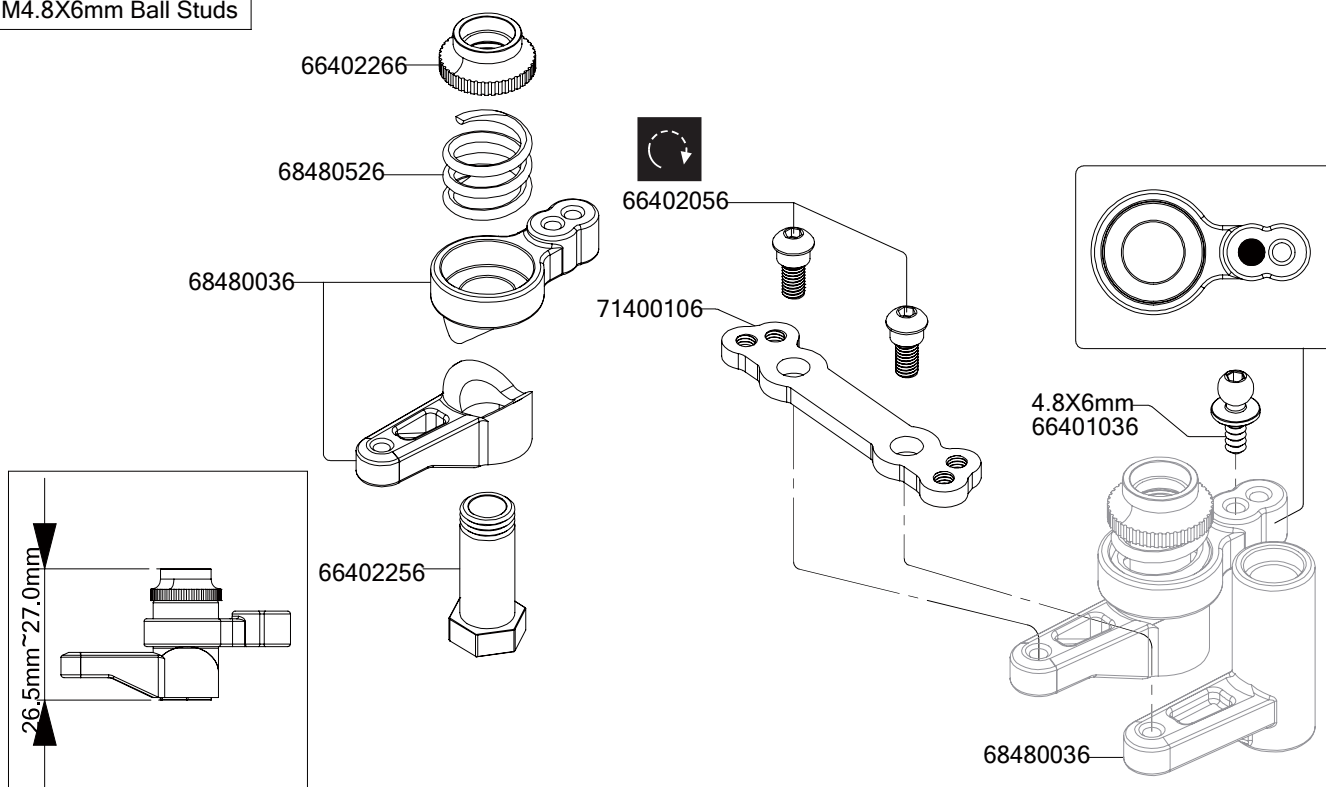
A1 Chassis Guard Installation

- 10
M3X6mm Flat Head Hex Screw
- 6
M3X8mm Flat Head Hex Screw

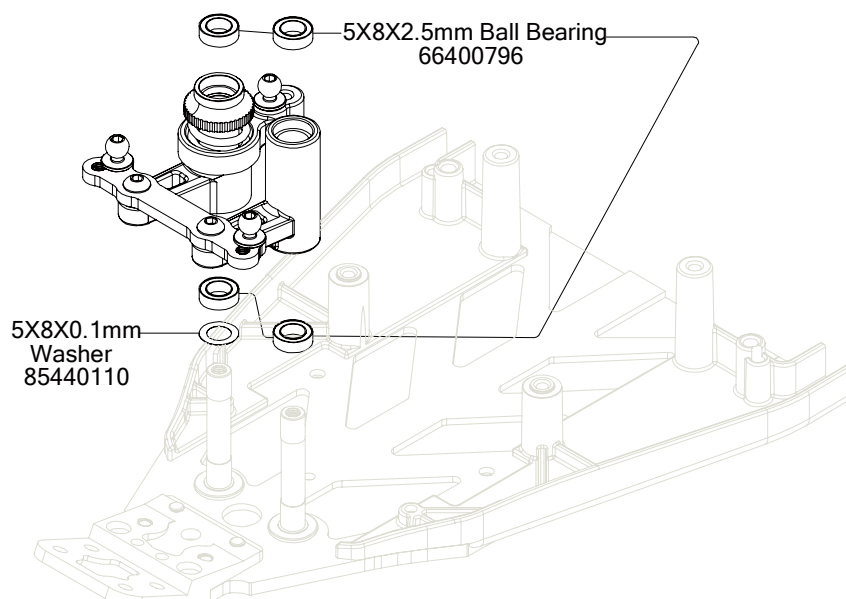
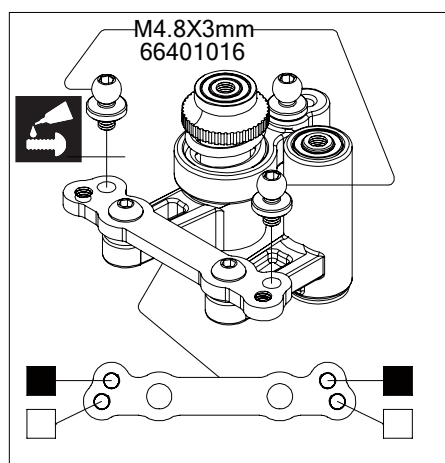
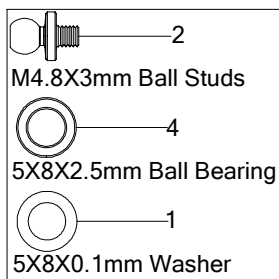




A2 Sewvo Saver



A3 Servo saver



Part Bags used.



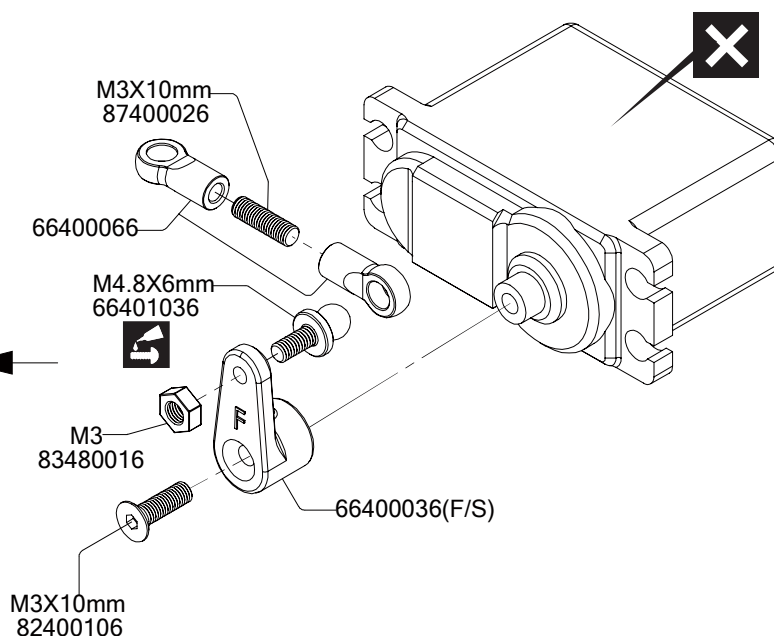
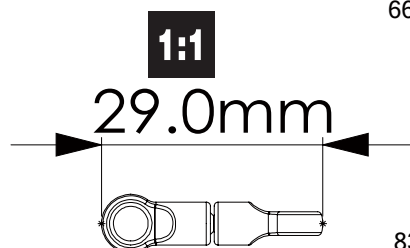
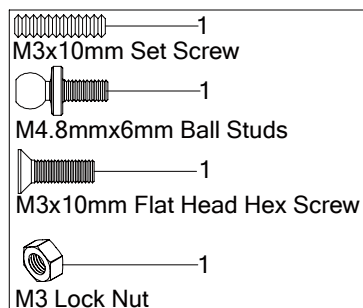
Do not over tighten.



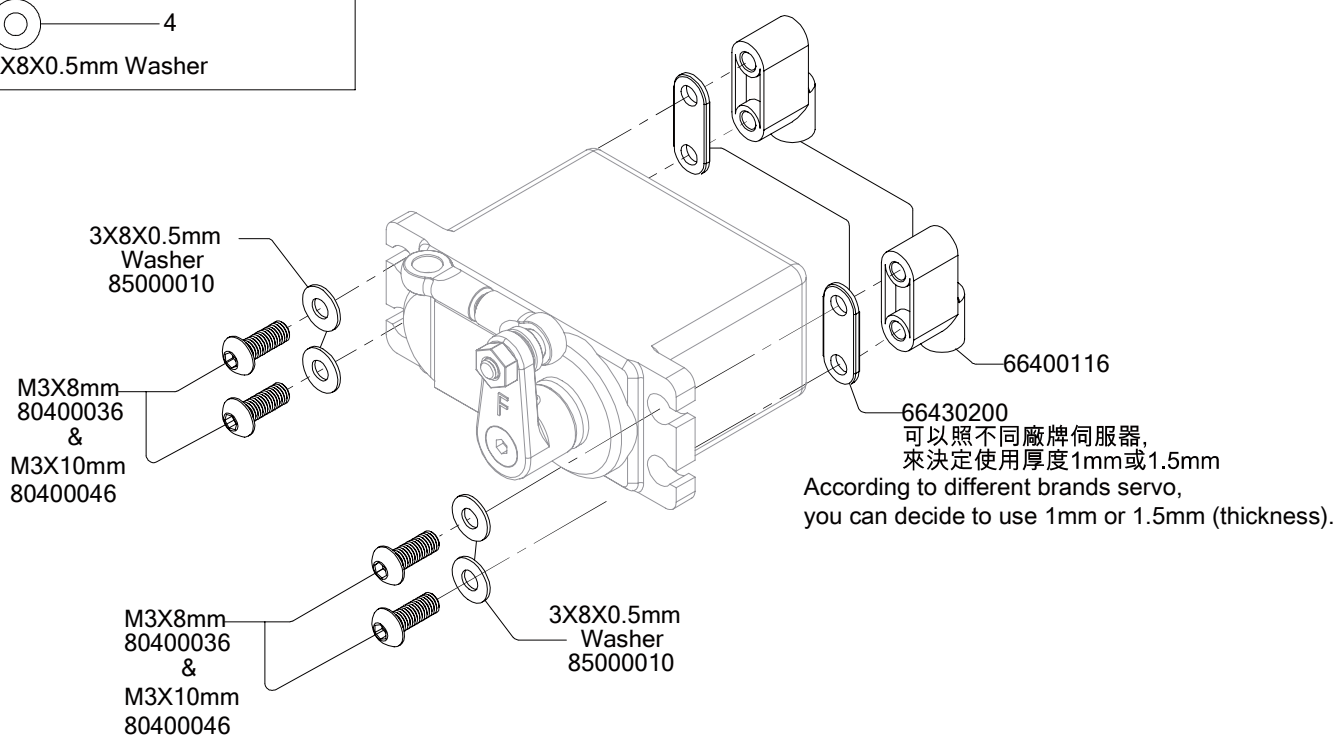
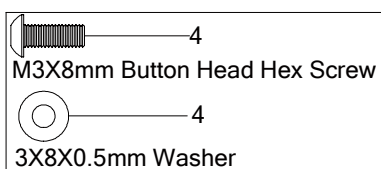
Apply threadlocker (screw cement)



A4 Steering Servo

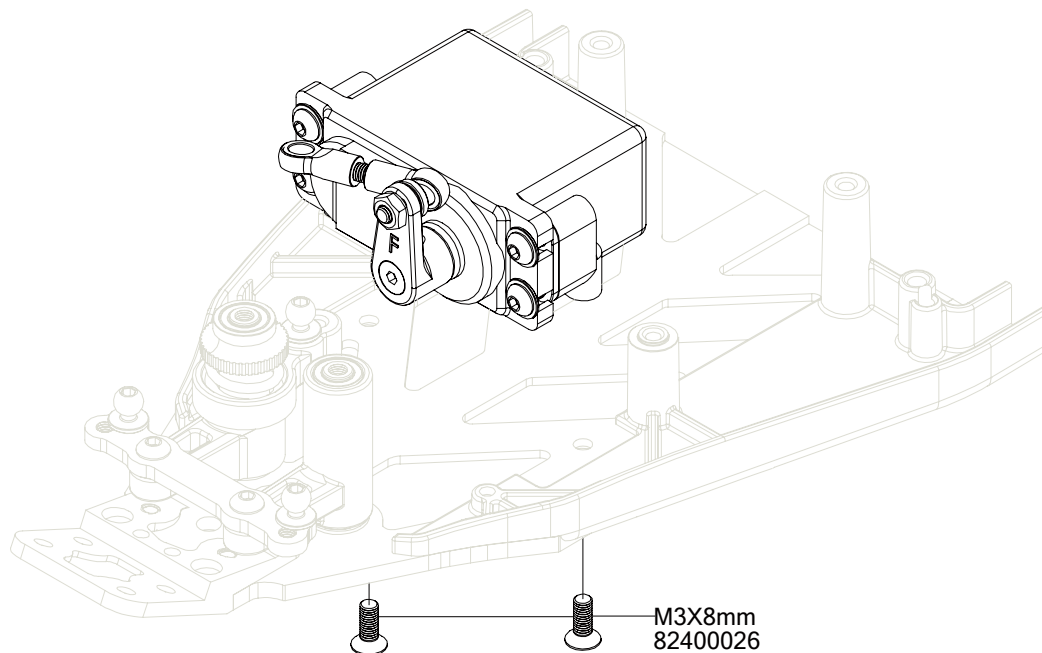
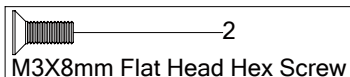


A5 Steering Servo

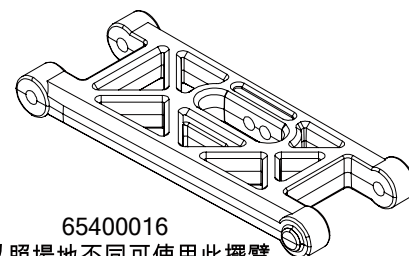
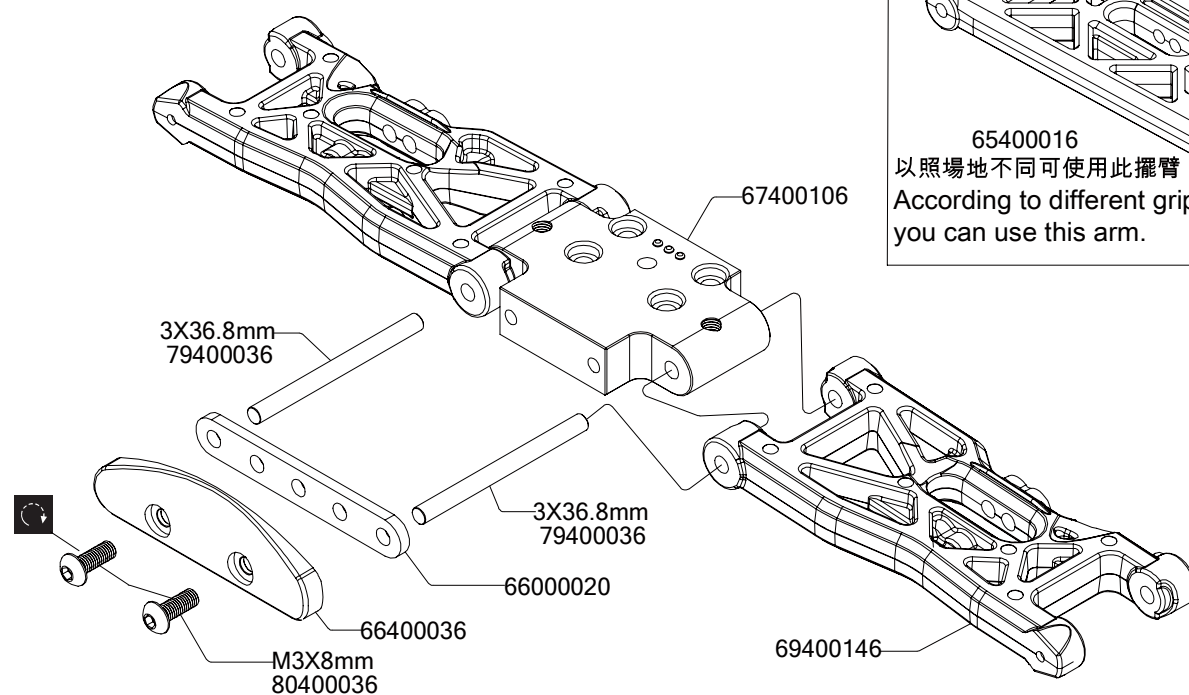
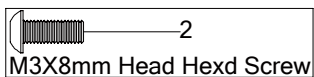




A6 Steering Servo



B1 Front Suspension



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



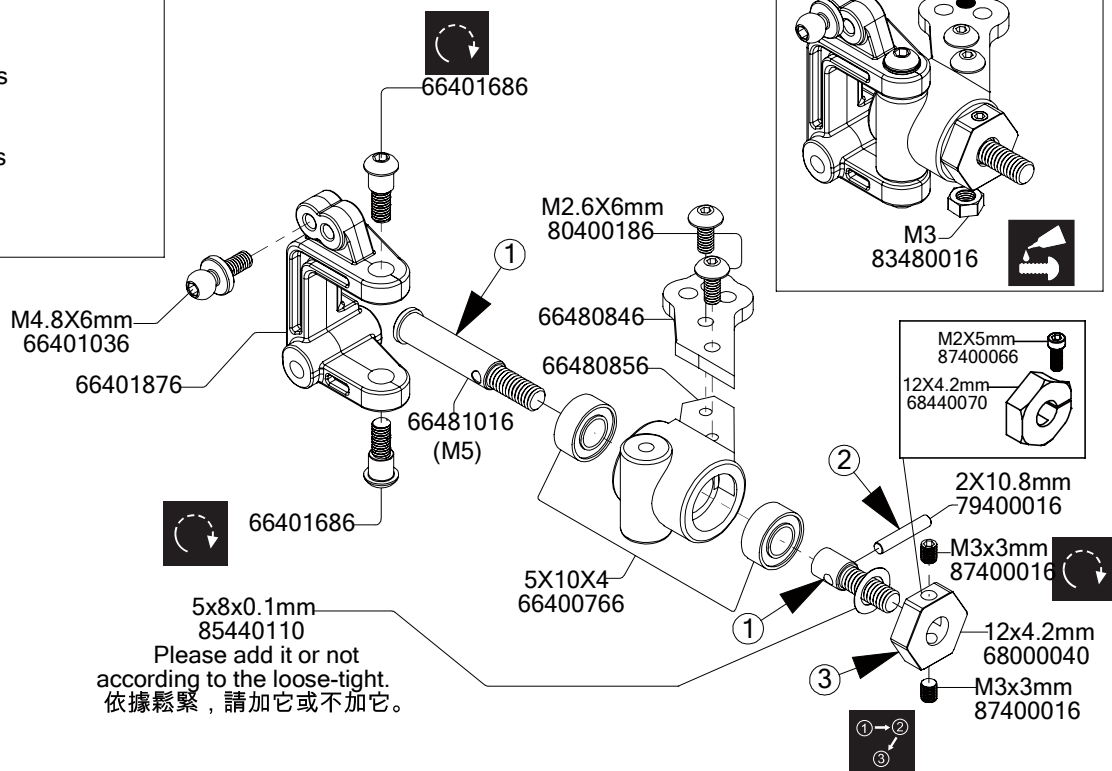
Part Bags used.



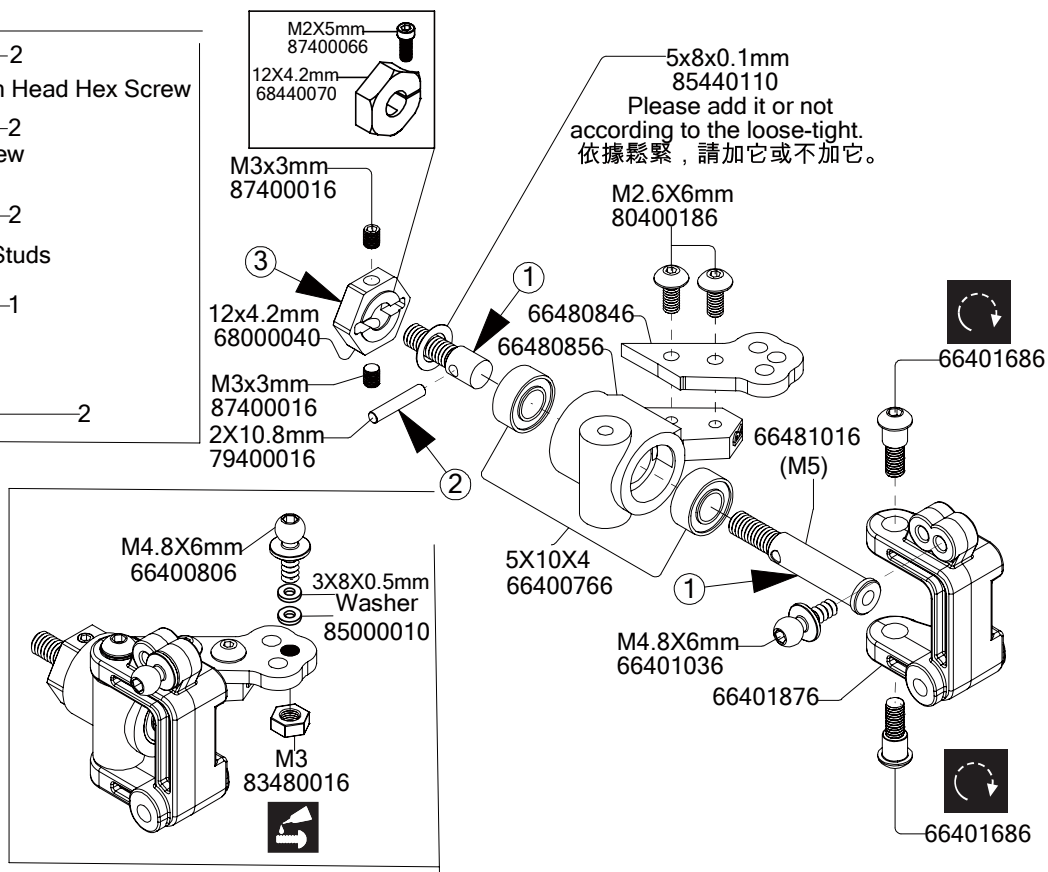
Do not over tighten.

**B2 Front Spindle(Left Side)**

- 2
 M2.6x6mm Button Head Hex Screw
 2
 M3X3mm Set Screw
 1
 M4.8X5mm Ball Studs
 1
 M4.8X6mm Ball Studs
 1
 M3 Lock Nut

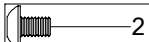
**B3 Front Spindle(Right Side)**

- 2
 M2.6X6mm Button Head Hex Screw
 2
 M3X3mm Set Screw
 2
 M4.8X6mm Ball Studs
 1
 M3 Lock Nut
 2
 Washer 85000010

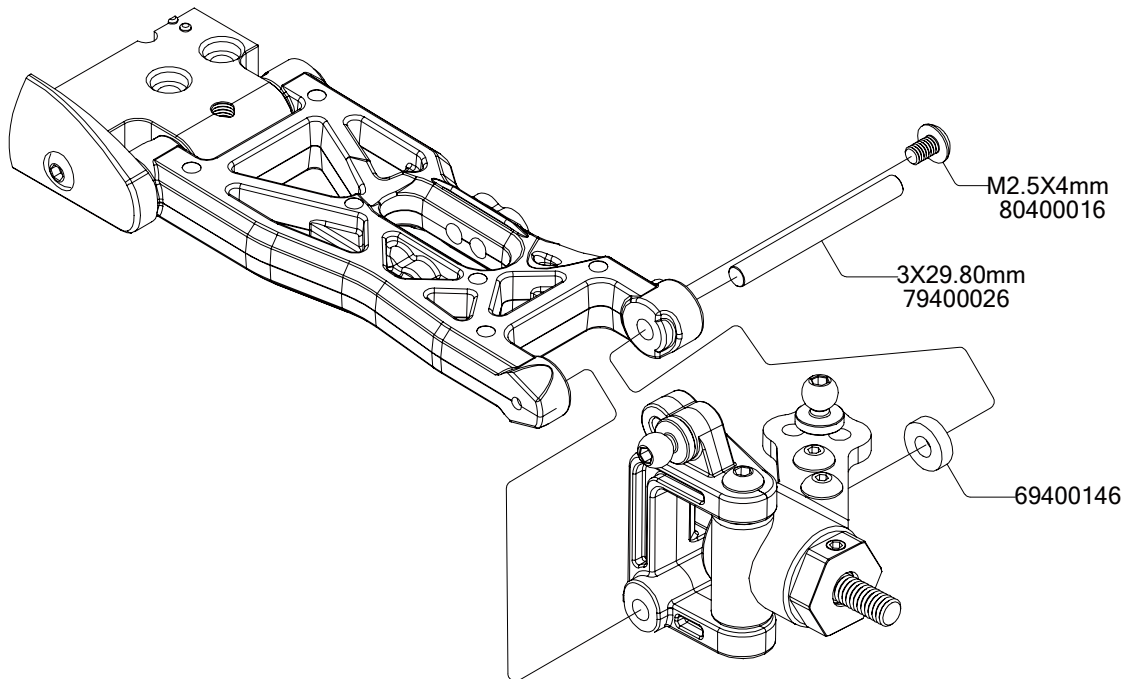




B4 Front Suspension(L&R)



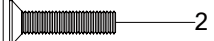
M2.5X4mm Button Head Hex Screw



B5 Front Shock Stay



M3X8mm Flat Head Hex Screw



M3X14mm Flat Head Hex Screw



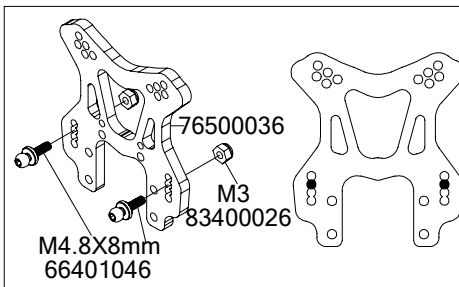
M3X8mm Button Head Hex Screw



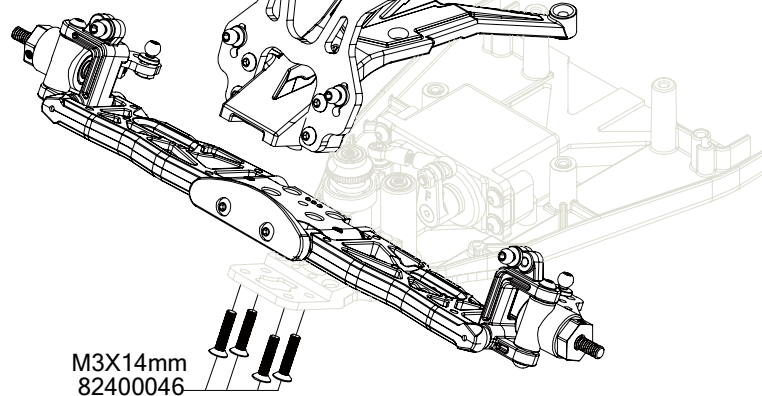
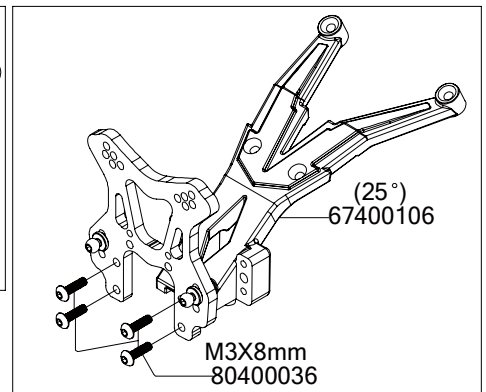
M4.8X8mm Ball Studs



M3 Lock Nut



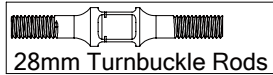
M3X8mm
82400026





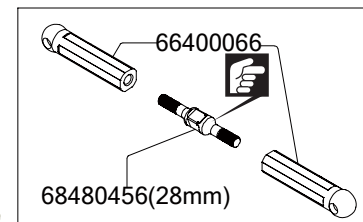
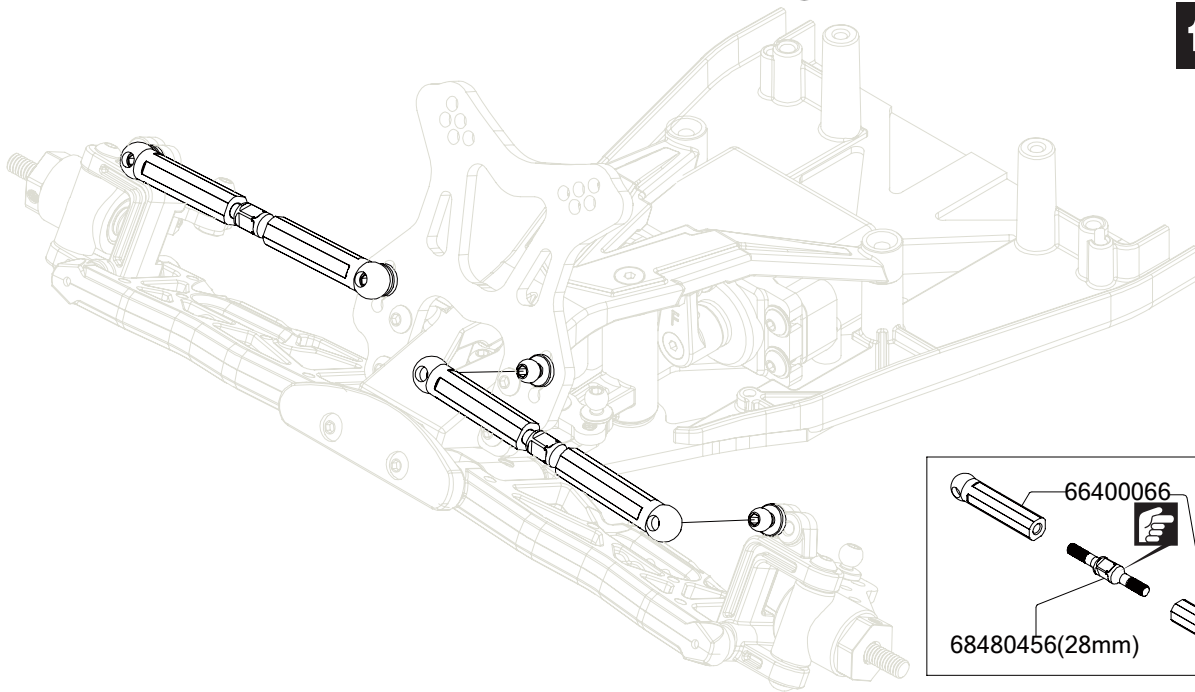
BAG
B

B6 Front Suspension



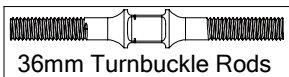
11mm

1:1

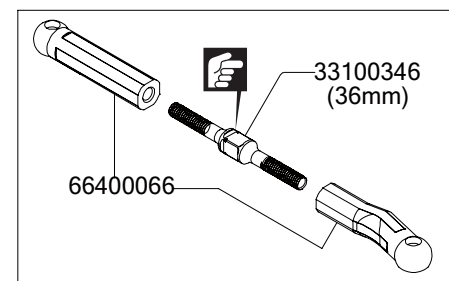
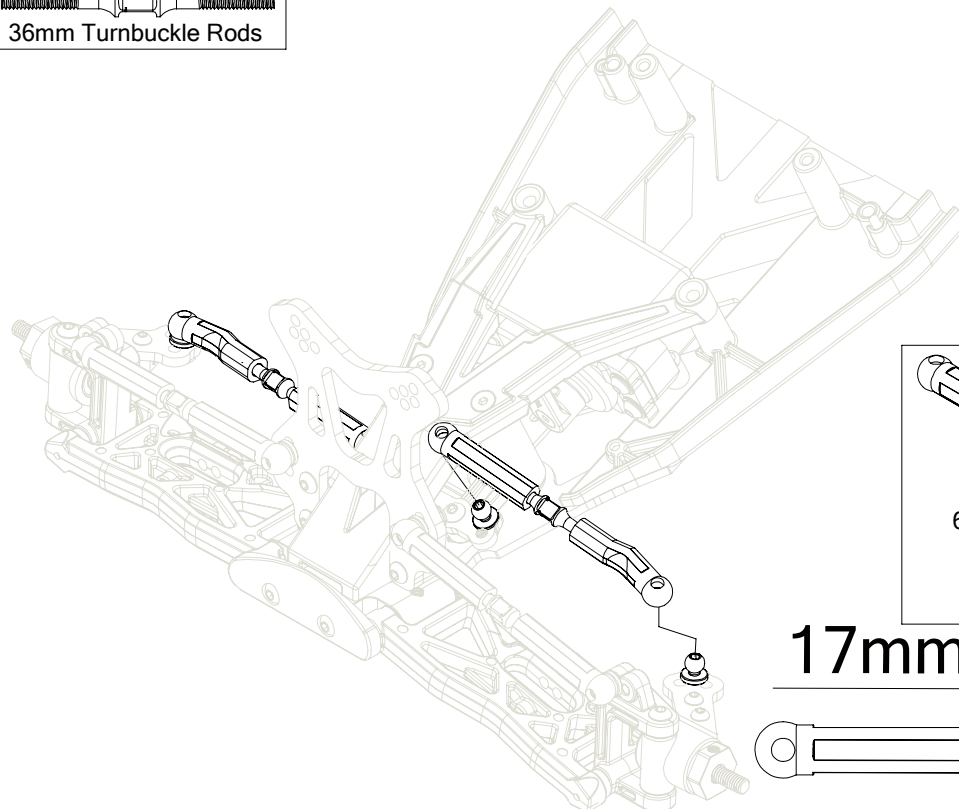


BAG
B

B7 Front Suspension



36mm Turnbuckle Rods

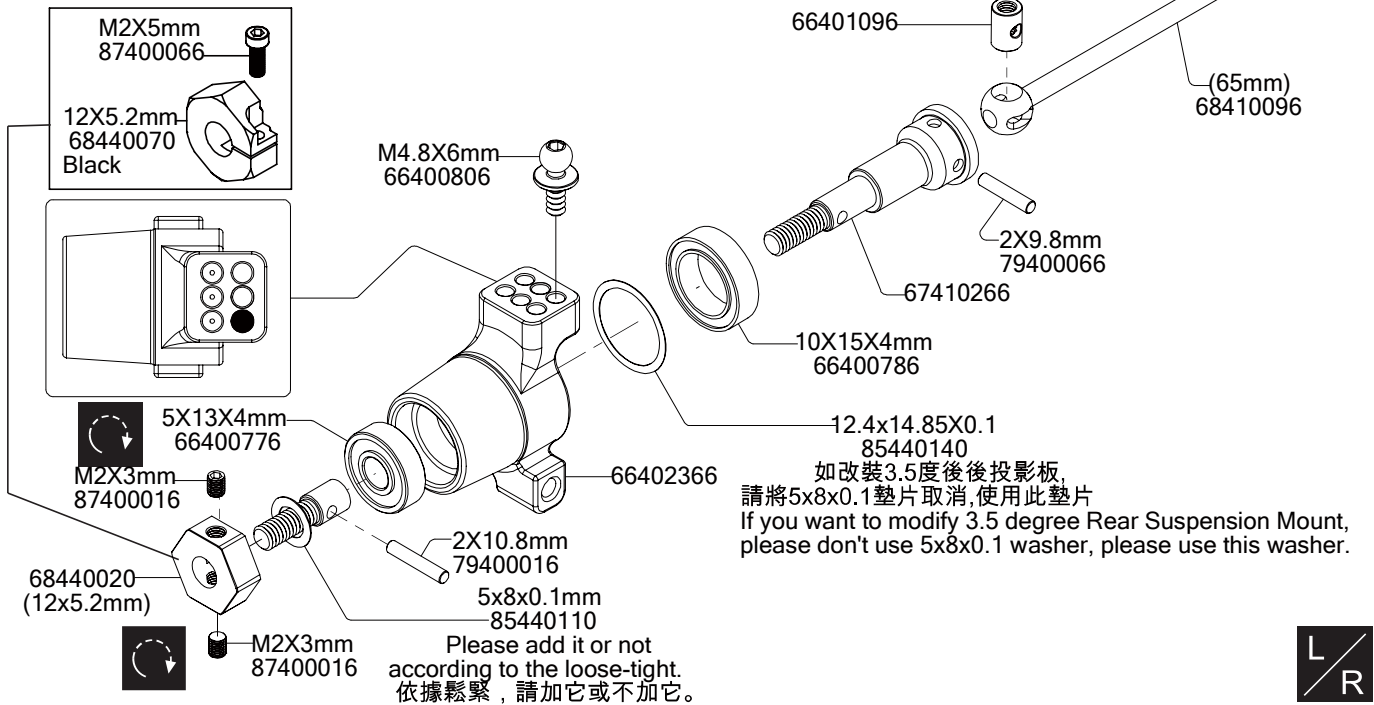


17mm

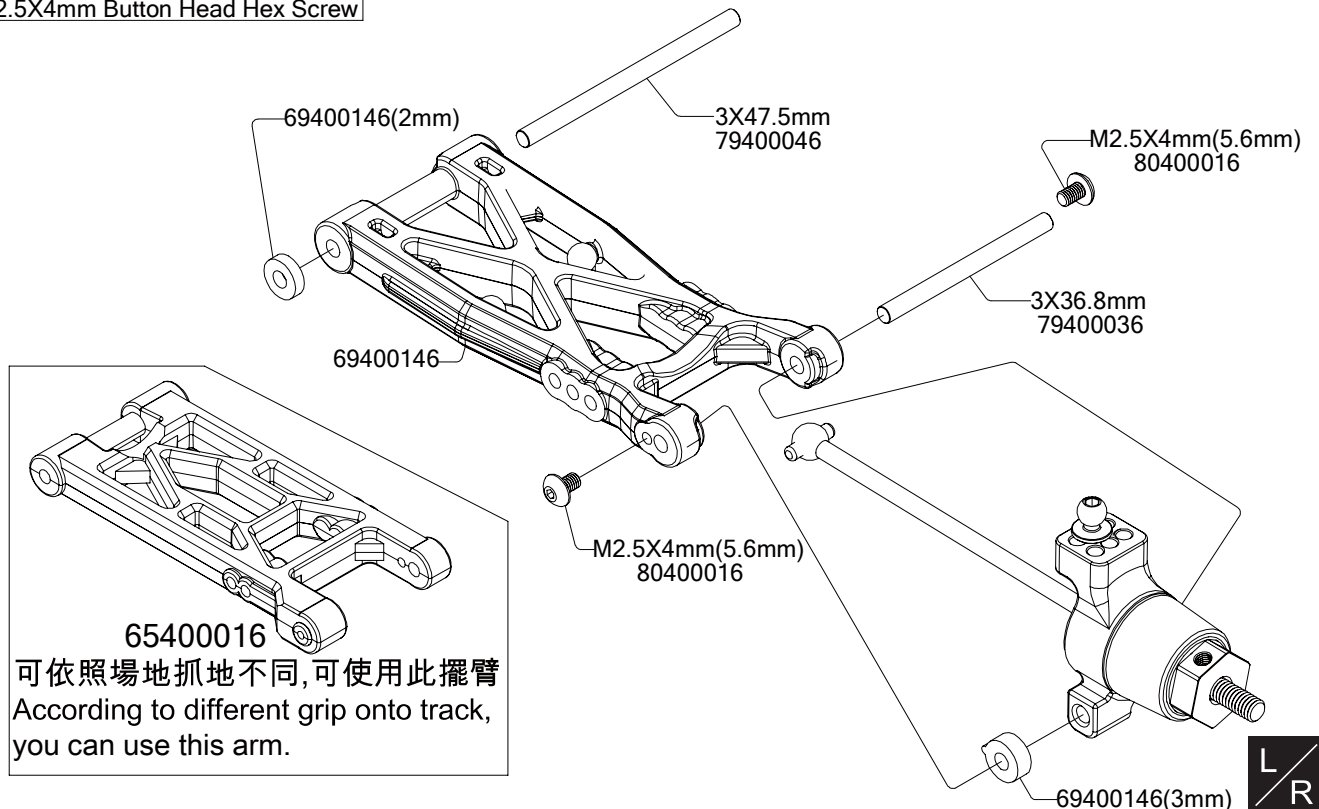
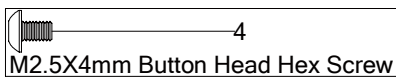
1:1



B8 Rear Hud&Cv.



B9 Rear Hud (L&R)



Part Bags used.

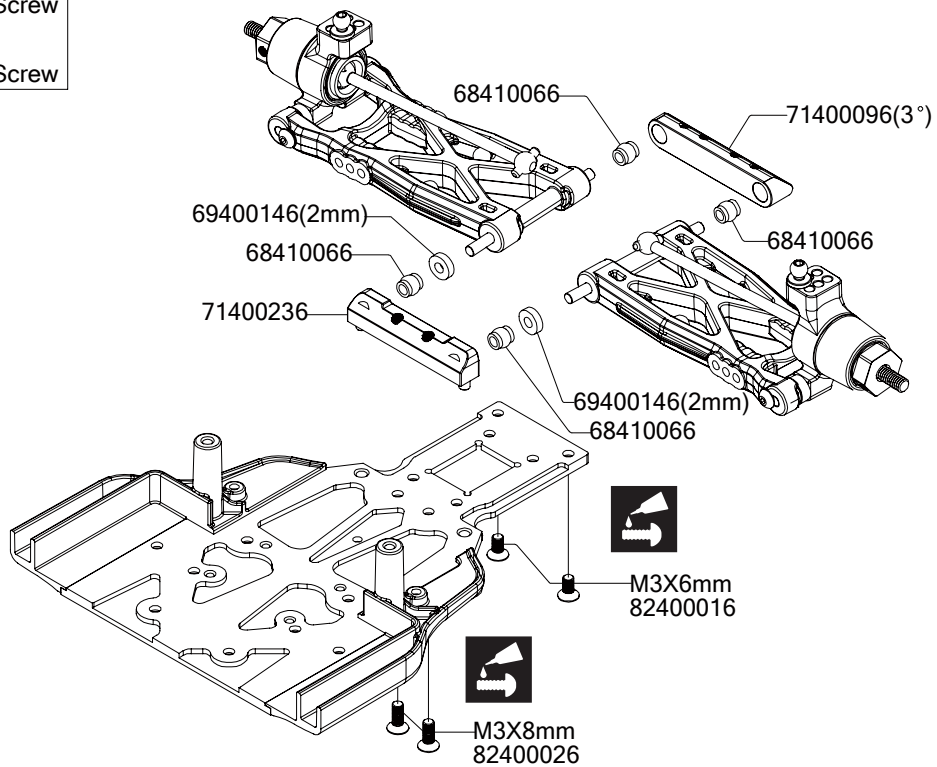

Assemble left and right
sides the same way.


Do not over tighten.

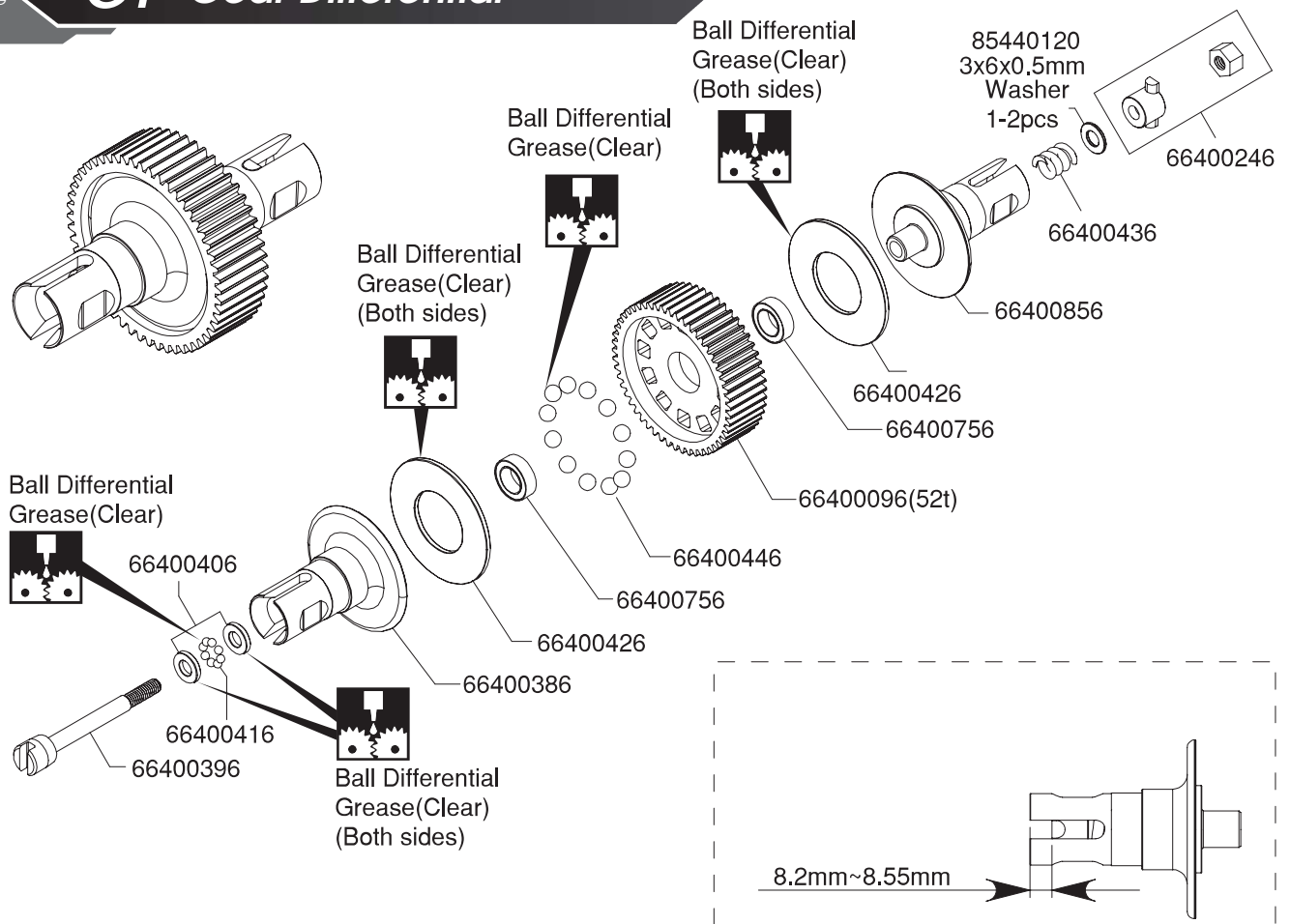


B10 Rear Suspension

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

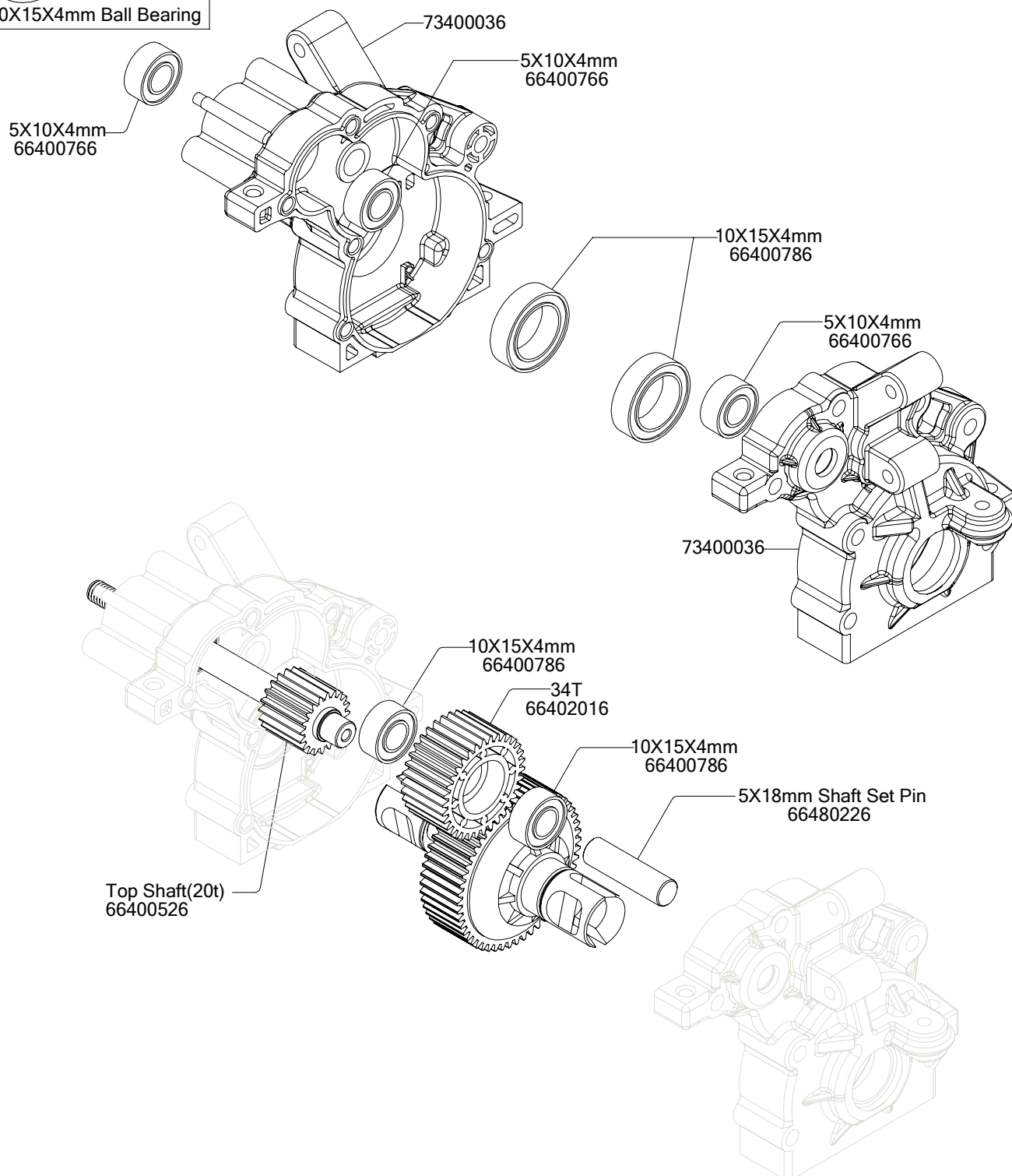
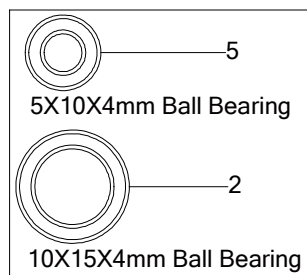


C1 Gear Differential





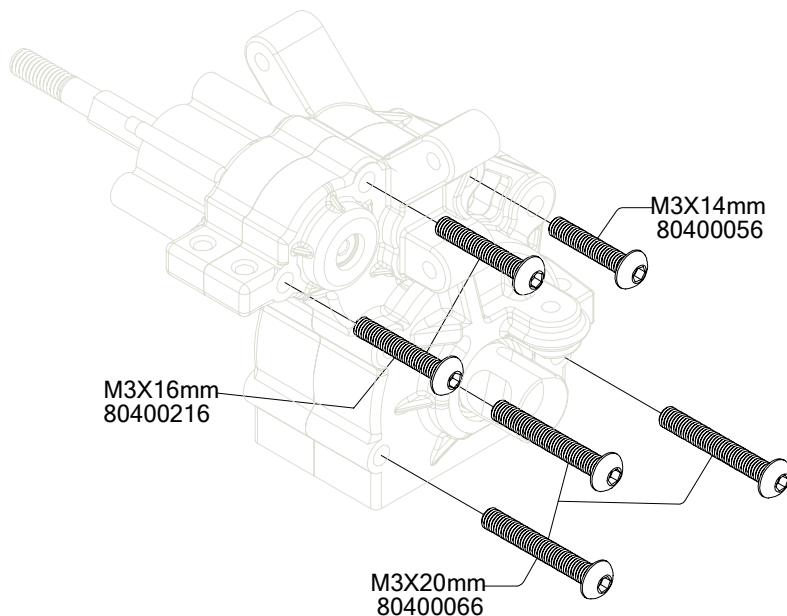
C2 Transmission Assembly



C3 Transmission Assembly



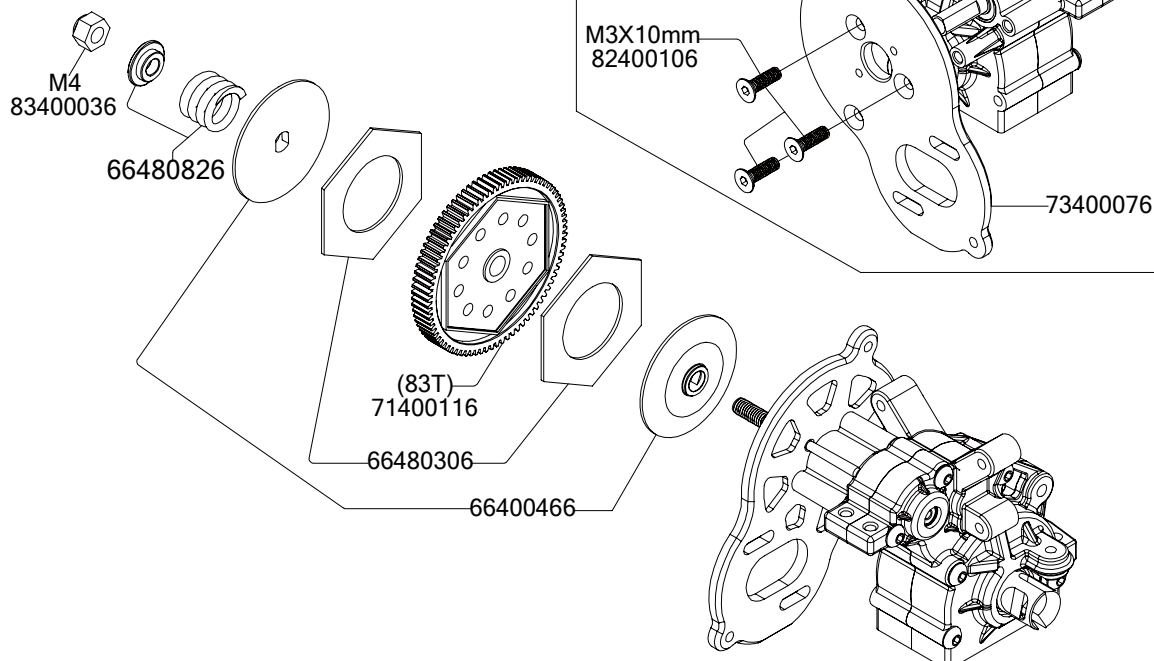
- 
- 1
M3X14mm Button Head Hex Screw
- 2
M3X16mm Button Head Hex Screw
- 3
M3X20mm Button Head Hex Screw



C4 Transmission Assembly

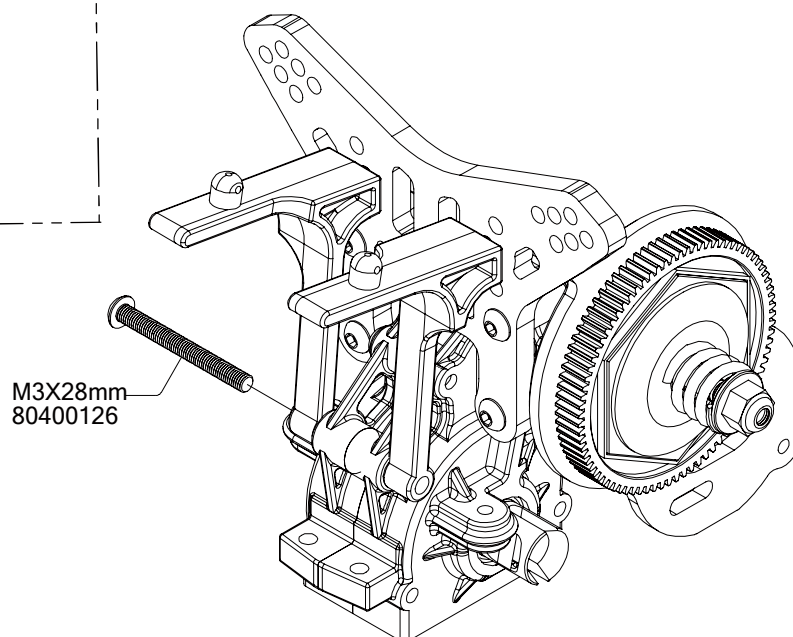
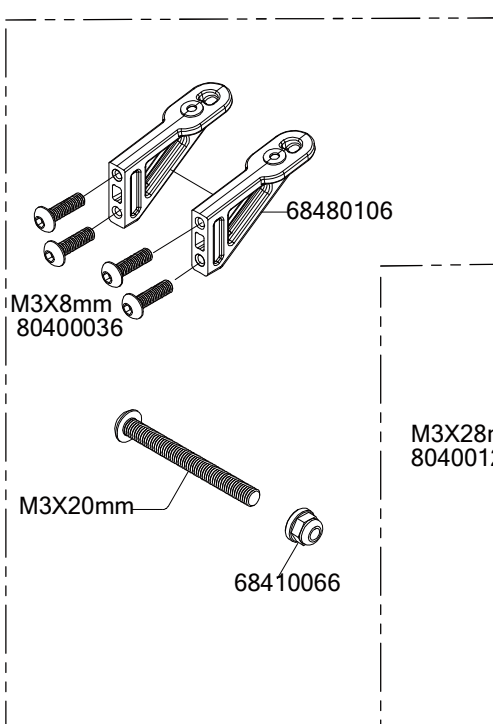
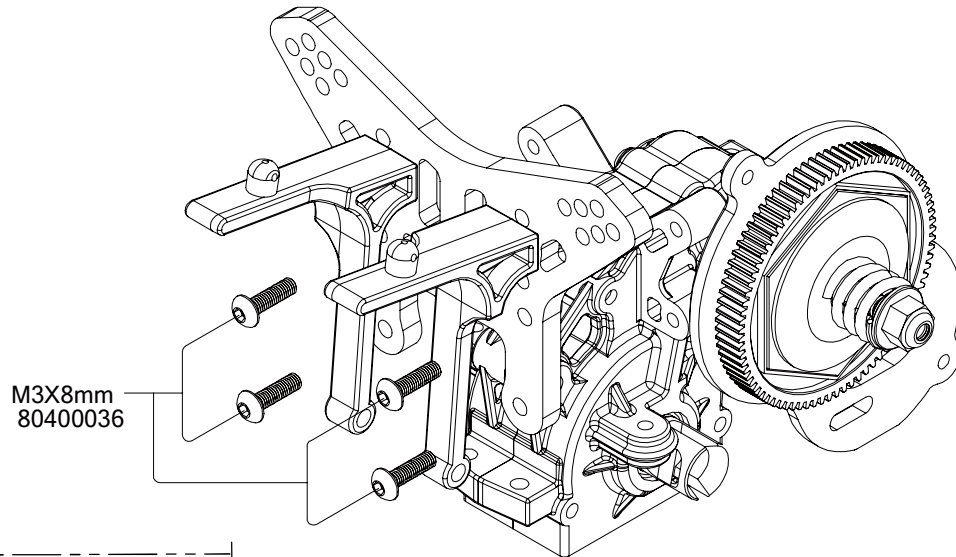
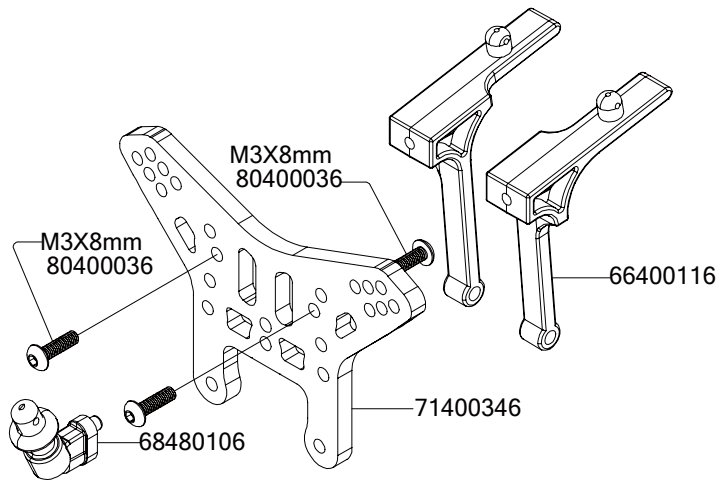
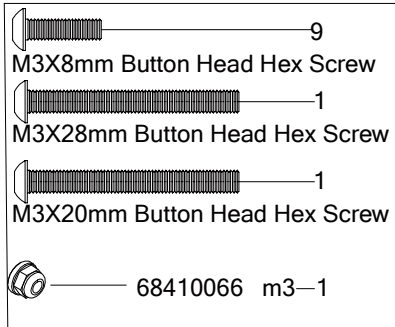


- 
- 2
M3x10mm Flat Head Hex Screw
- 1
M4 Lock Nut





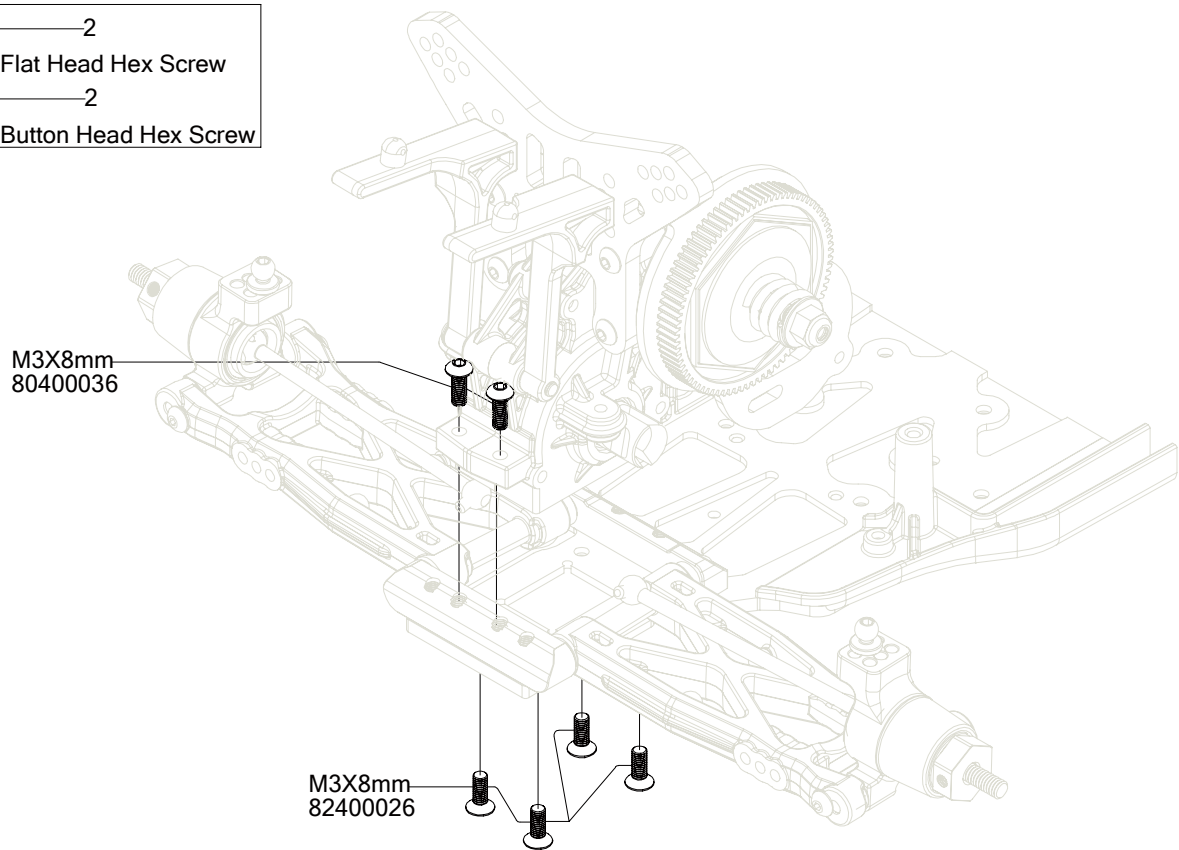
C5 Rear Shock Stay





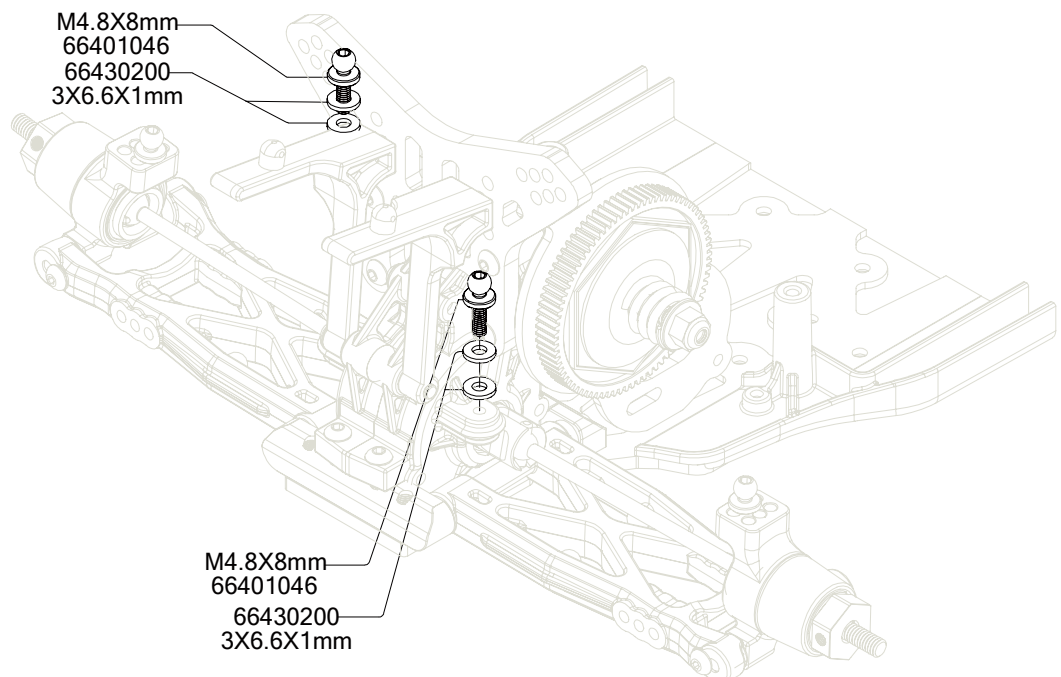
C6 Rear Grar Box

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



C7 Rear Suspension

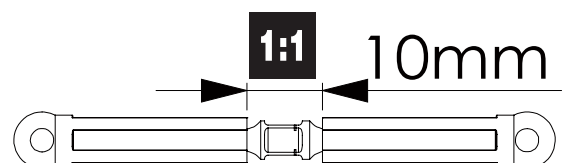
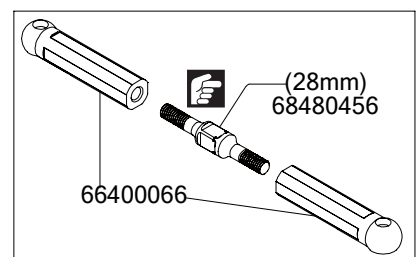
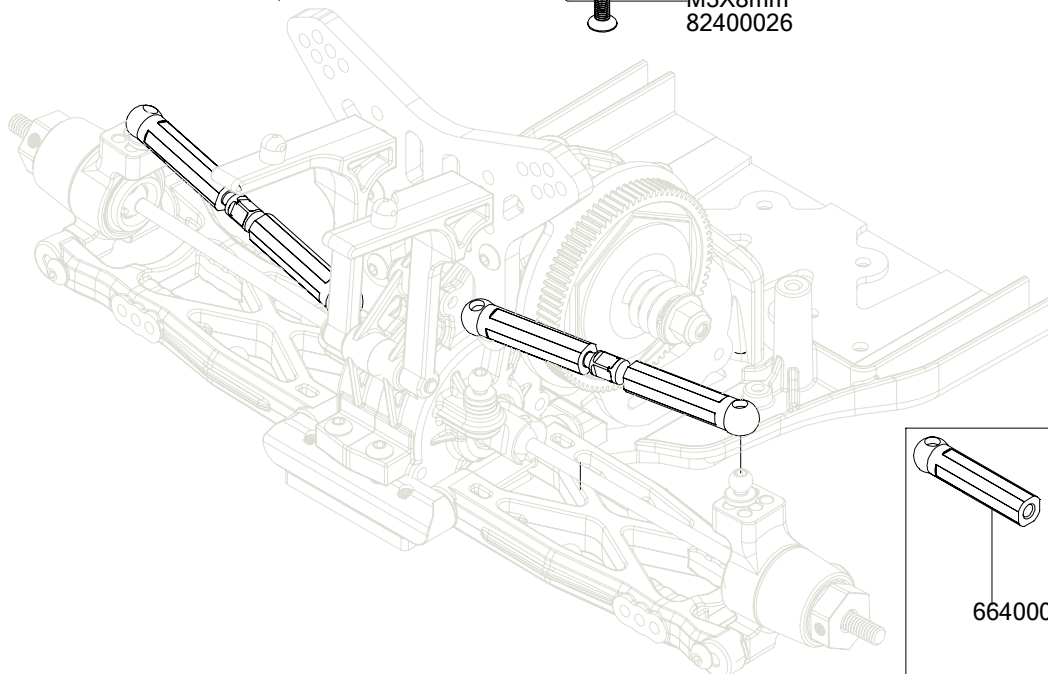
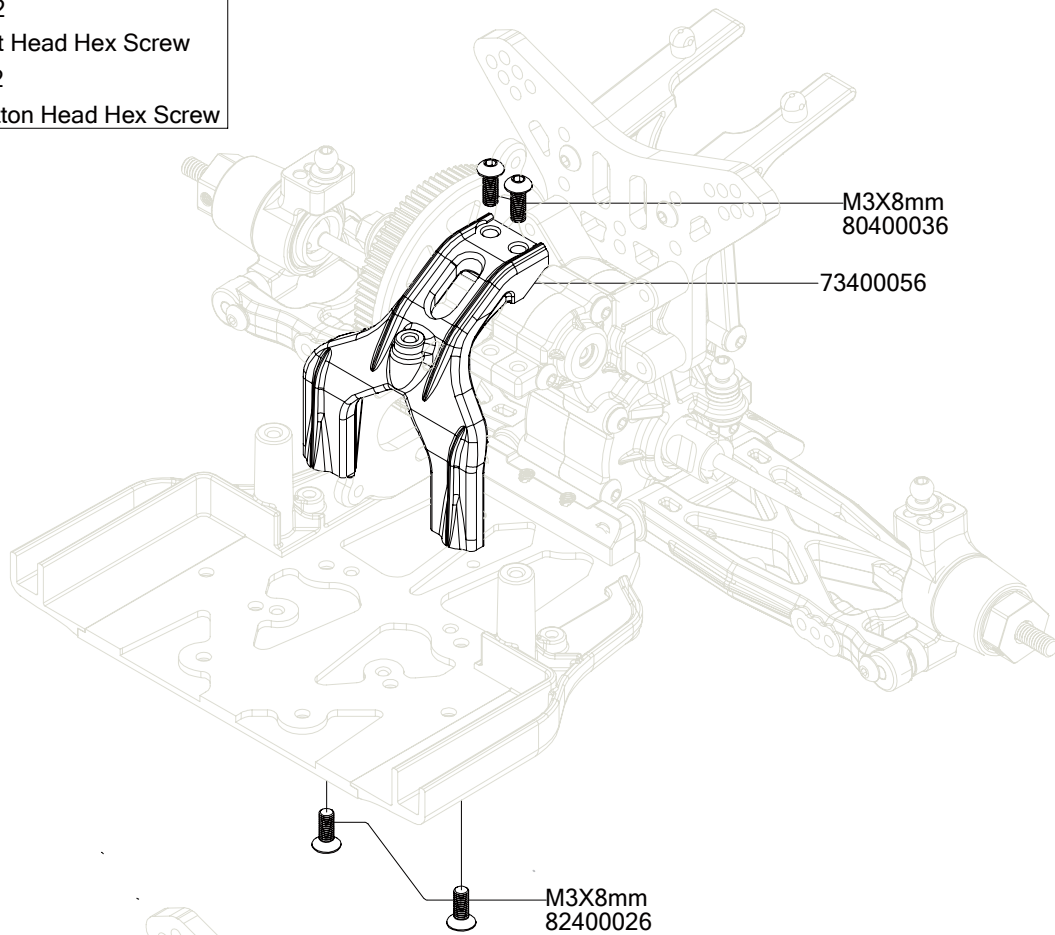
- 2
M4.8X8mm Ball Studs





C8 Rear Gear Box

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



Part Bags used.



Note the direction.



True-to-scale diagram.



Assemble in the specified order.



D1 Shock Assembly



Front Shock Shaft 66401666 ----- 2

Rear Shock Shaft 66401656 ----- 2

Threaded Shock Coller ----- 8

Threaded Shock Coller O-Rings
(Need to soak silicone oil before)

----- 8 ----- 4

Shock Cartridge ----- 4

M2.6 Nut

----- 4

2.6x6x0.5mm Washer ----- 4

Shock Ball---4pcs ----- 4

Shock Piston 1.6 1.6 ----- 2

Shock Piston 1.8 ----- 2

Shock Piston 1.6 1.6 ----- 2

Shock Piston 1.8 ----- 2

83400016
1.8X1
68410066
85440070

66480626

(1mm)
66430200
以照場地調整來決定
是否安裝此墊片
66430090

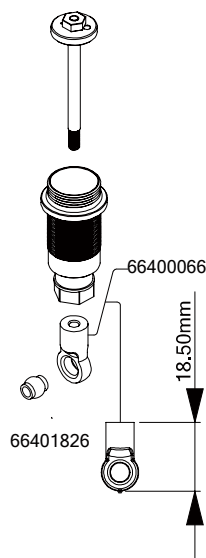
66400626

68410066

66400676

66400686

Front Buildx2



83400016
1.6X2
68410066
85440070

66480636

(1mm)
66430200
以照場地調整來決定
是否安裝此墊片
66430090

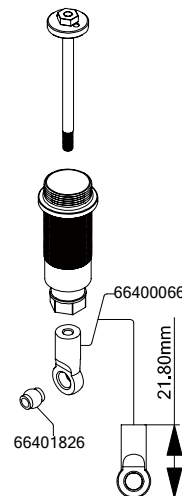
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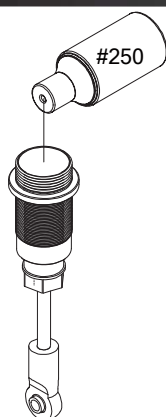
66400676

66400686

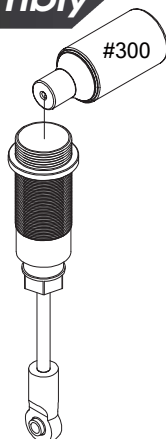
Rear Buildx2



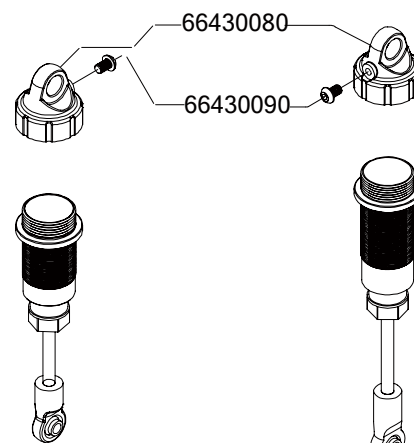
D2 Shock Assembly



Front Build x2



Rear Build x2



Front Build x2



Rear Build x2

D3 Shock Spring



Shock Collars O-Rings ----- 4

Shock Collars O-Rings

----- 2

Front Shock Spring

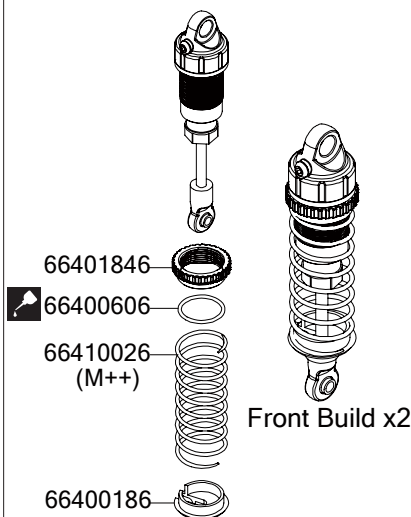
M++ ----- 2

Rear Shock Spring

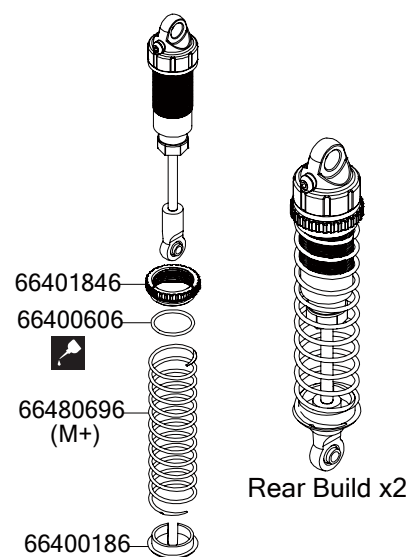
M+ ----- 2

Shock End & Spring Cup Set & Rod End ----- 4

Shock End & Spring Cup Set & Rod End



Front Build x2



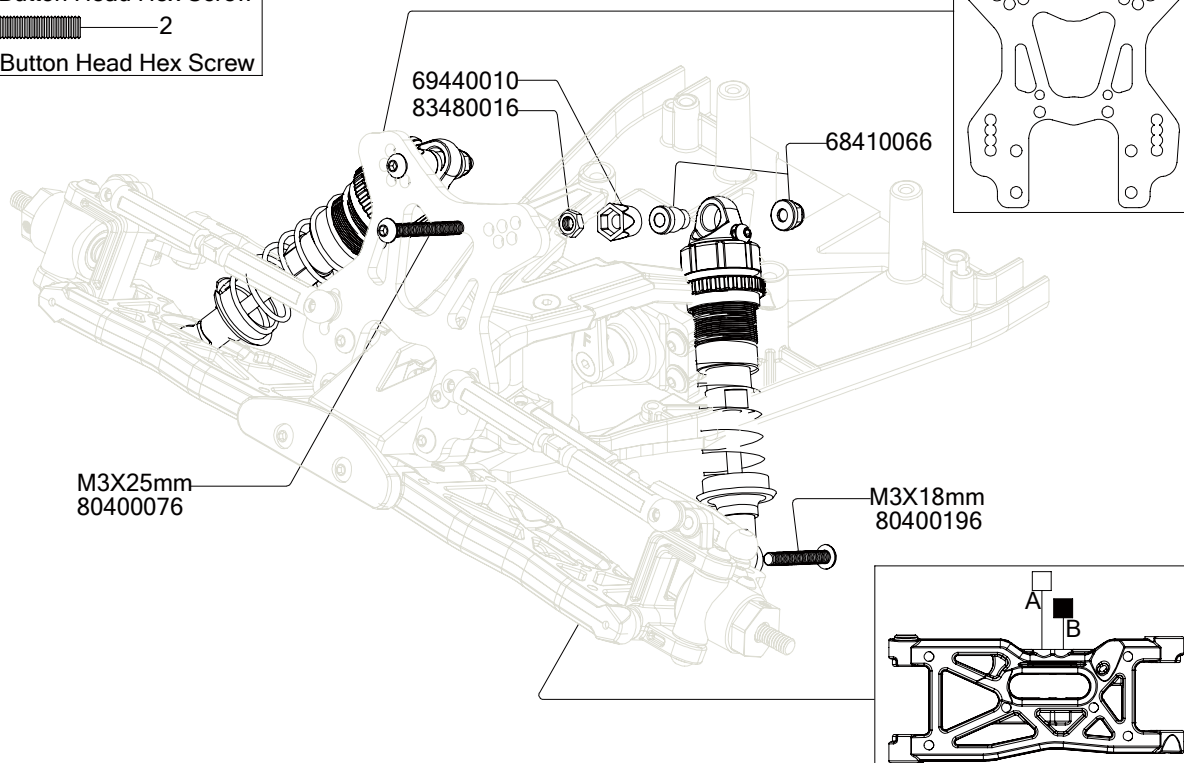
Rear Build x2





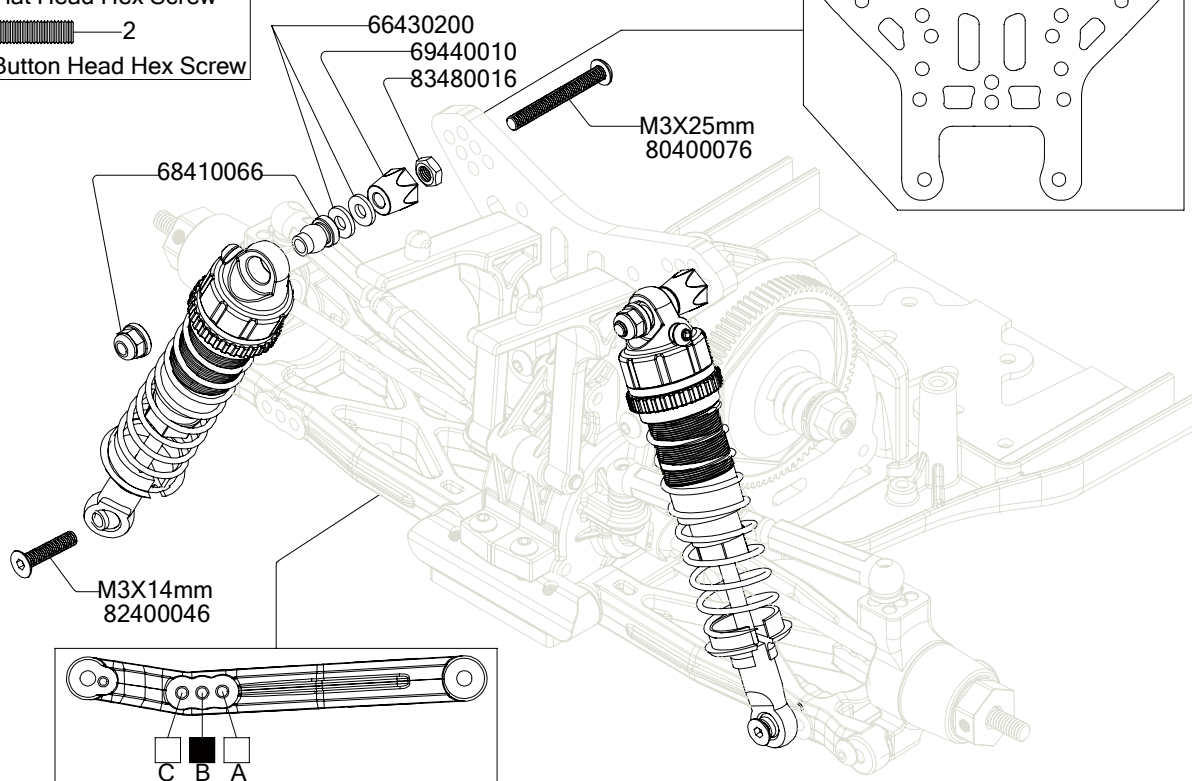
D4 Front Suspension

- 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.

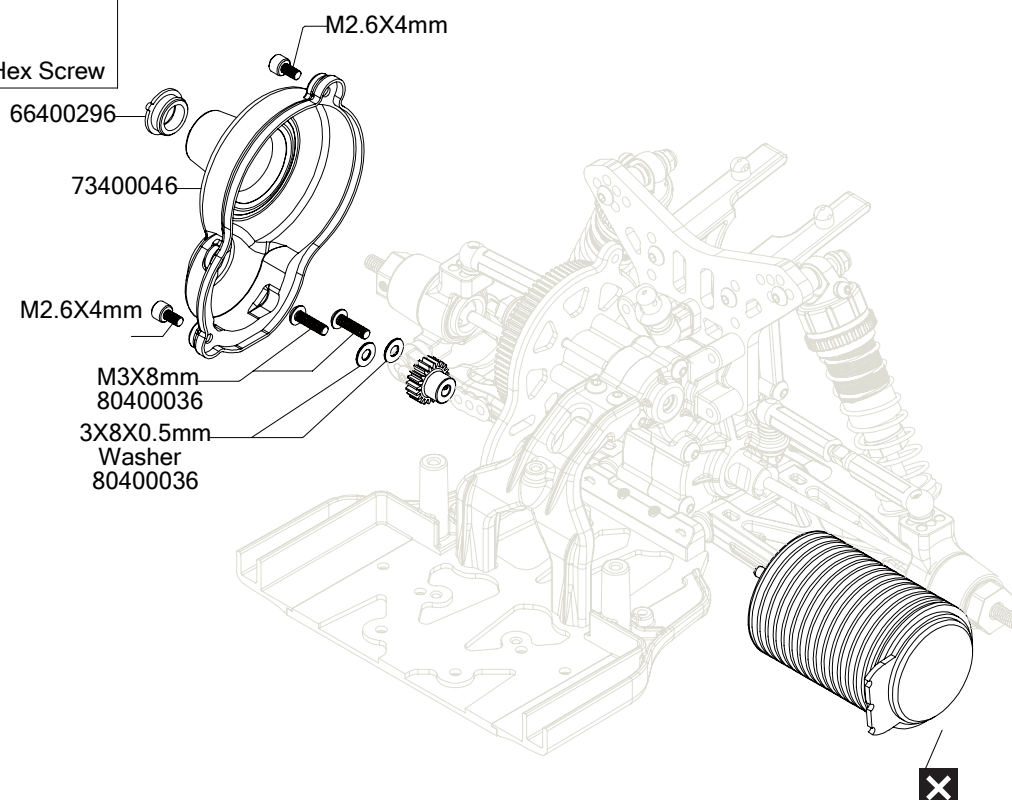


Ensure smooth non-binding movement while assembling.



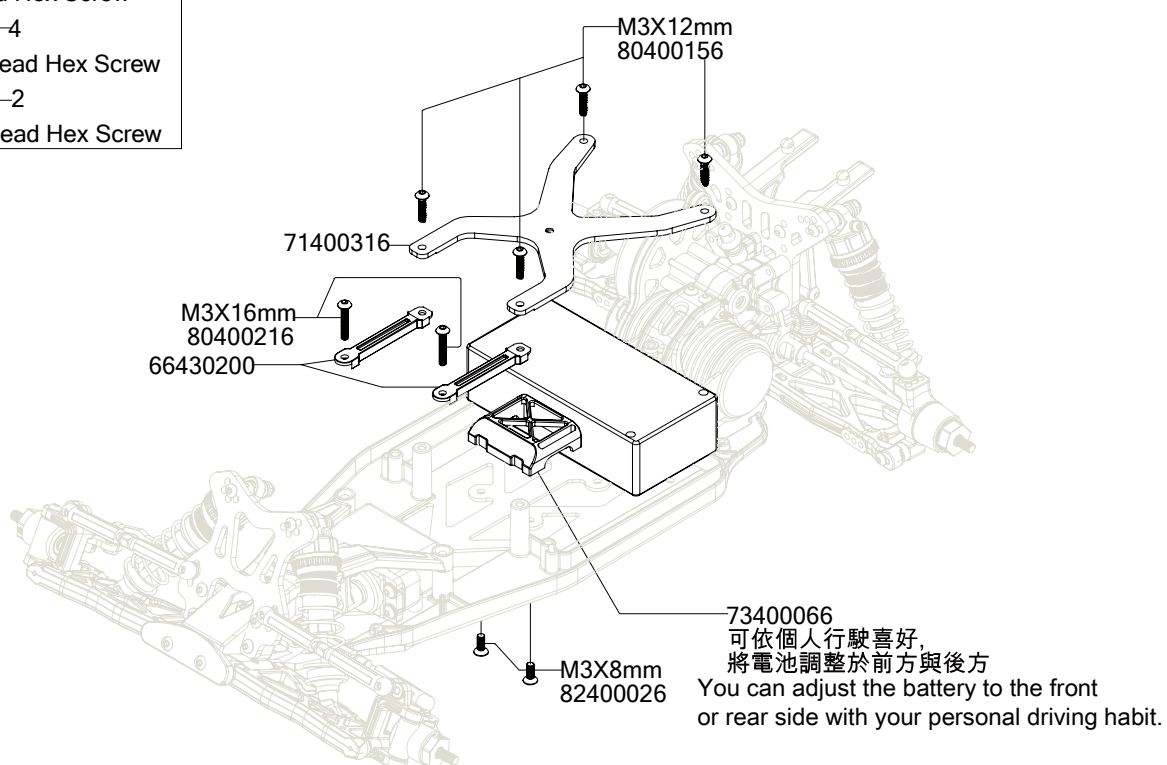
D6 Motor

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



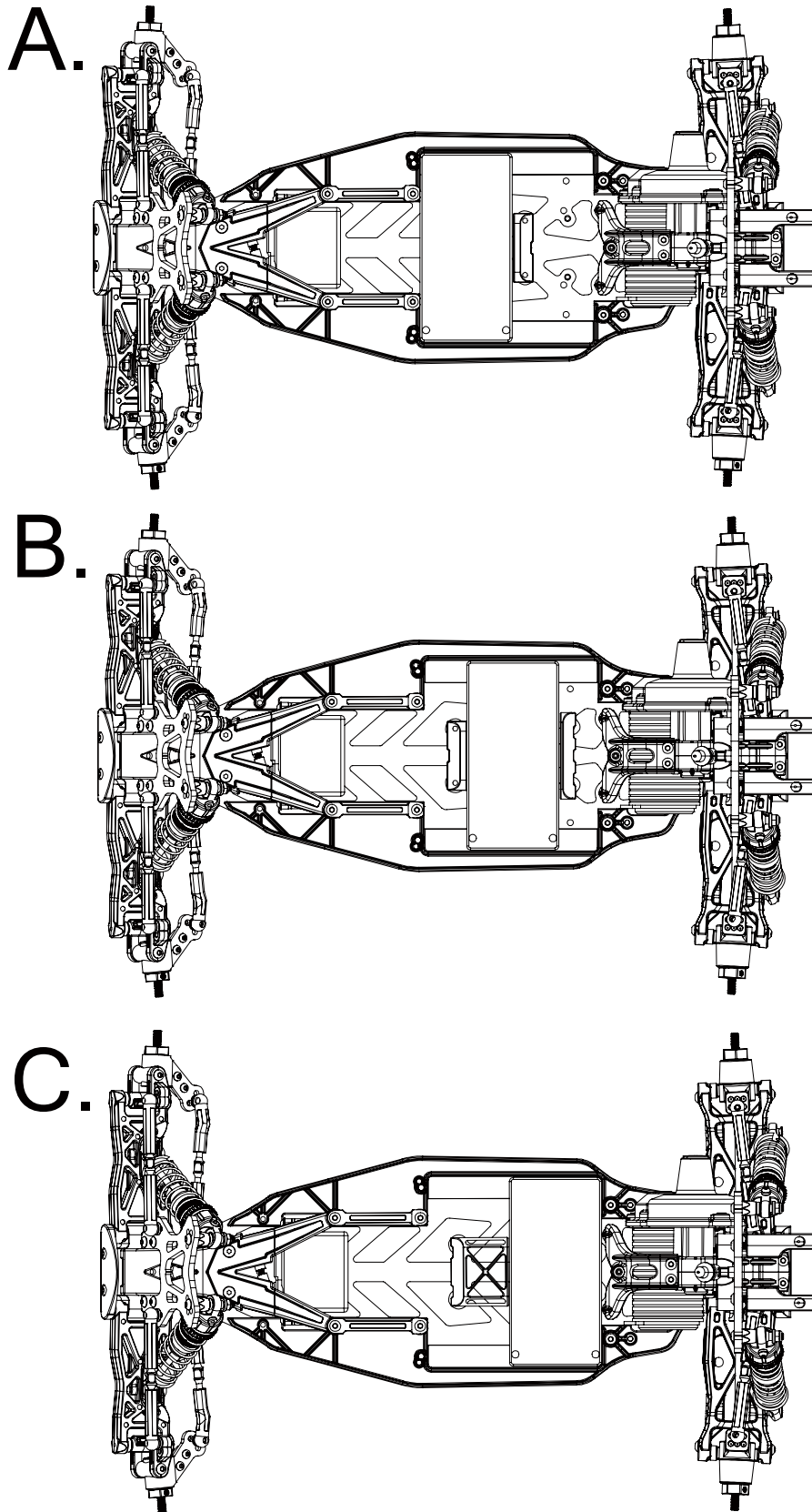
D7 BATTERY Plate

-  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.





D9 Body&Wheels



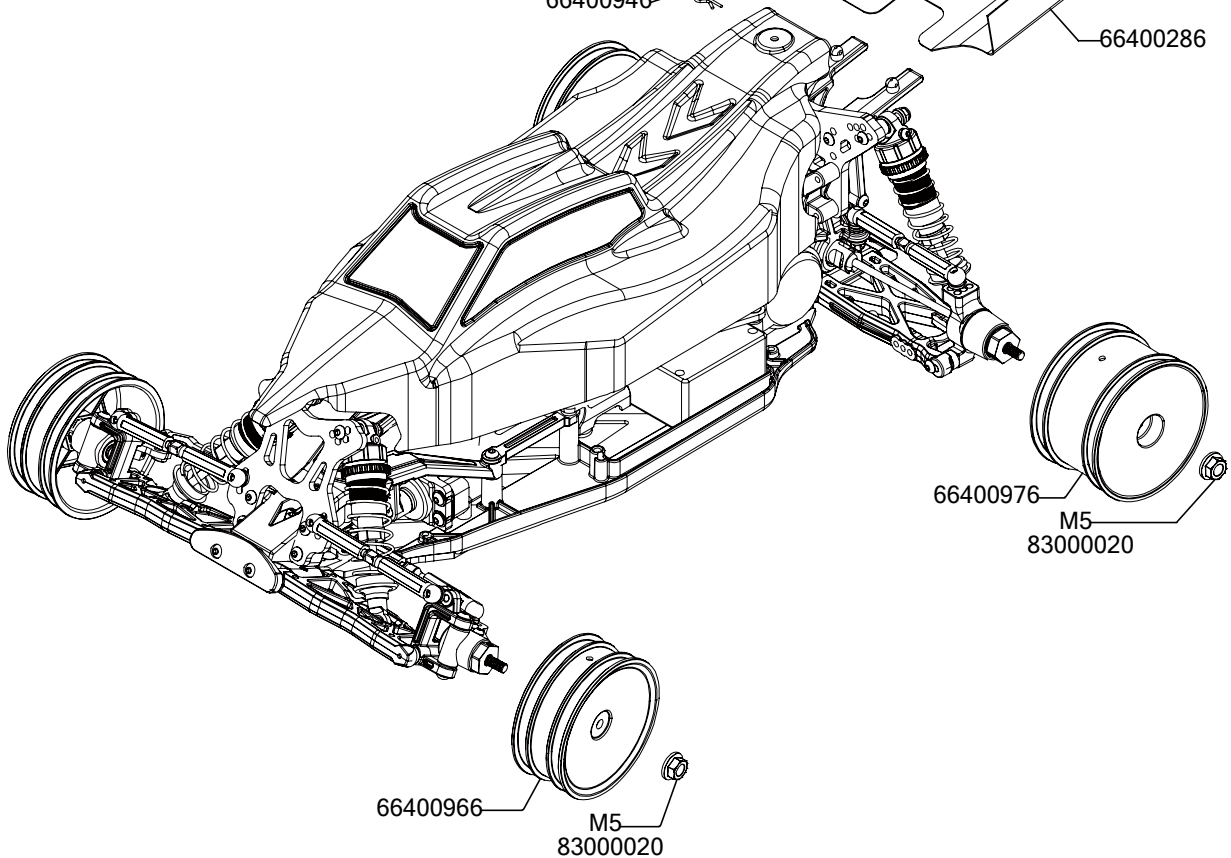
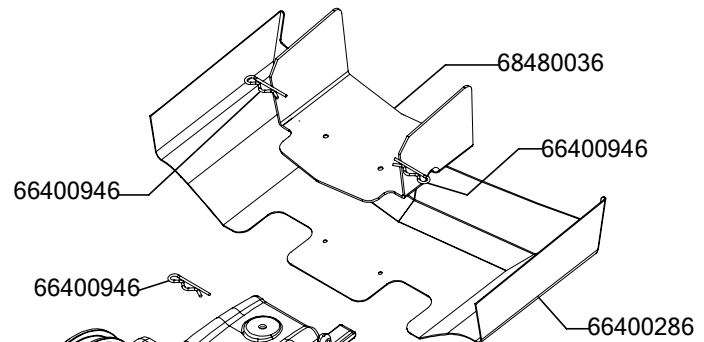
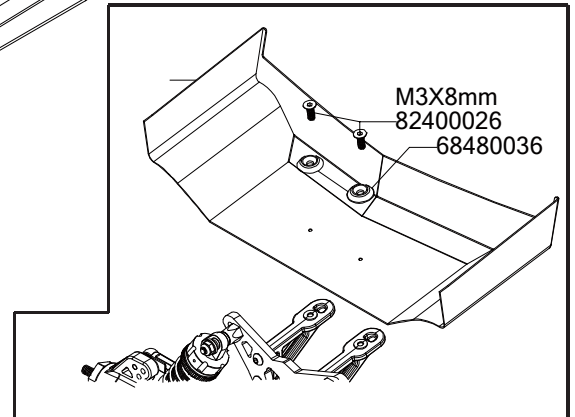
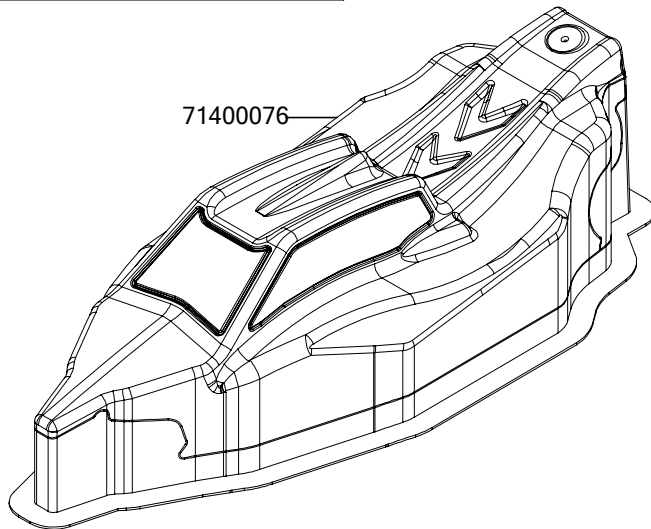
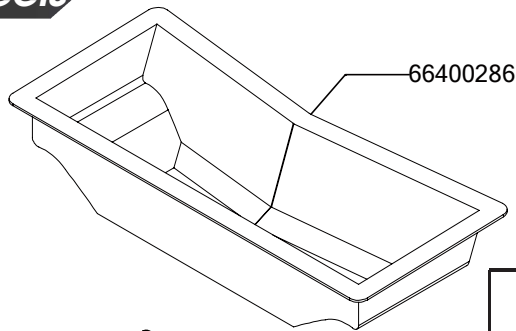
4

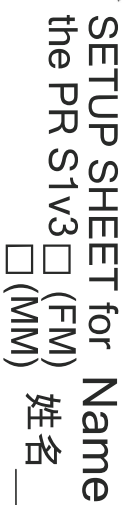
M5 Lock Nut



2

M3X8mm Flat Head Hex Screw

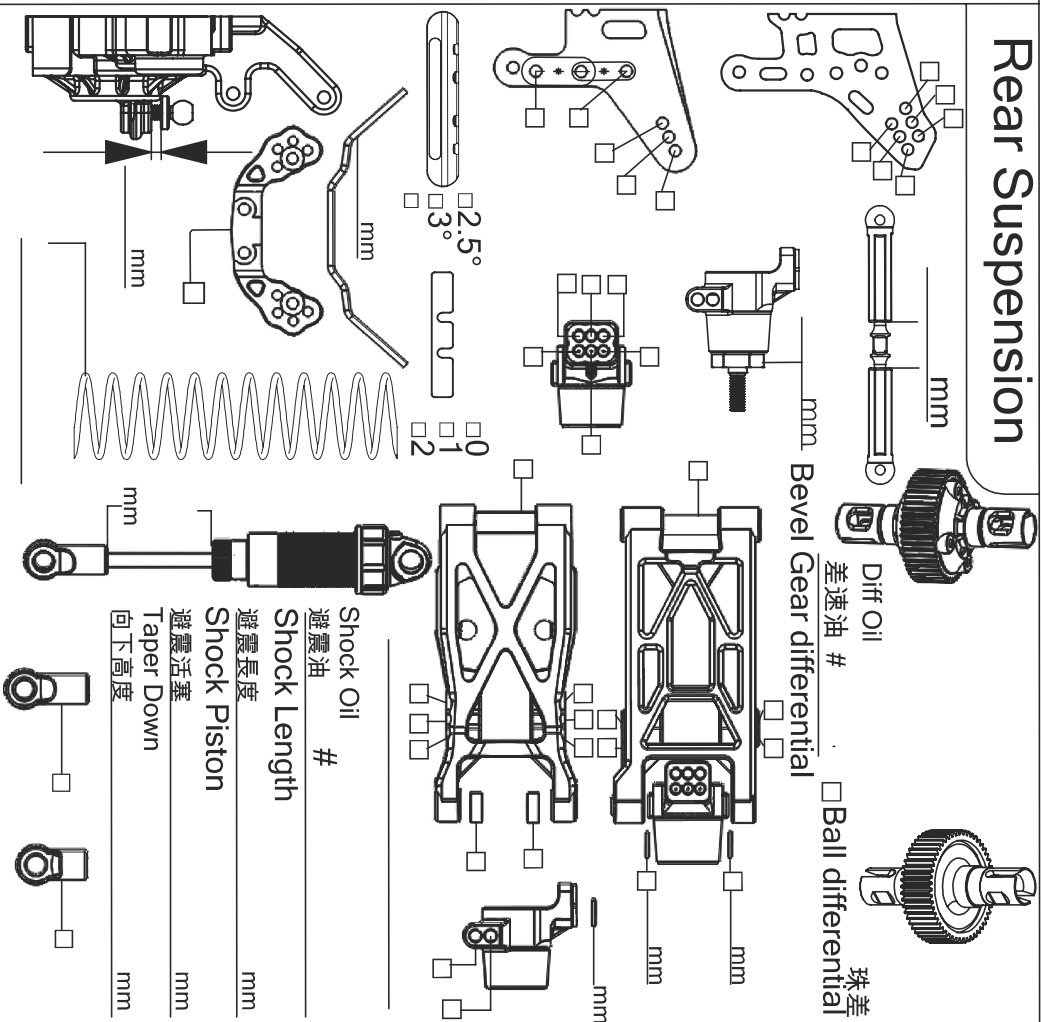




Track/City

Event 活動

Rear Suspension



Tire 輪胎



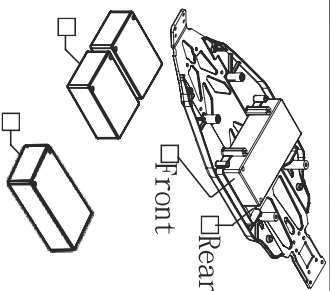
Rear



Tire 輪胎

wheel 輪框

Insets 內海綿



Weather Temperature	氣候 溫度
Humidity	溼度

Track Conditions

跑道情况

Size: 尺寸 ☐ Open 開放 ☐ Med 中 ☐ Tight 小

raction: 抓地力 ☐ Hing 高 ☐ Med 中 ☐ Low 低

Surface: 表面 ☐ Smooth 滑 ☐ Med 中 ☐ Bumpy 稜

Others

其他

Ride Height

車子高度

ESC/Motor

ESC/馬達

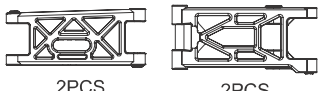
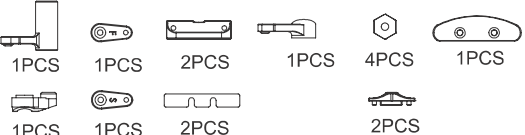
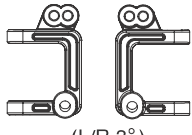
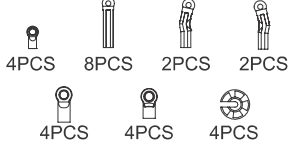
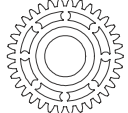
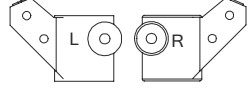
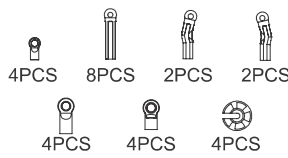
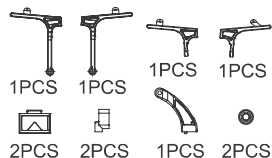
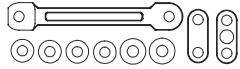
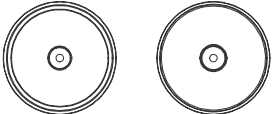
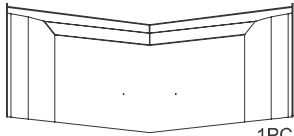
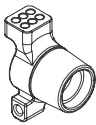
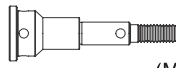
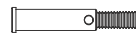
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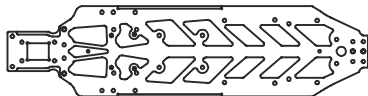
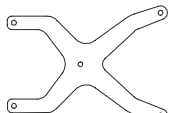
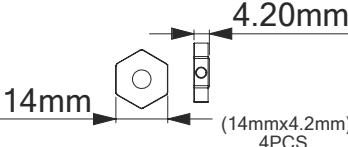
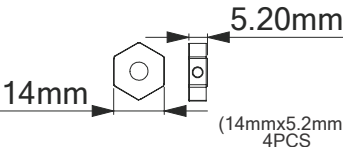
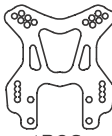
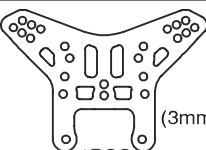
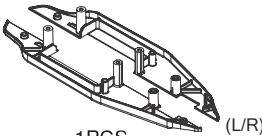
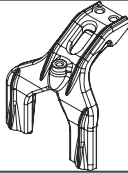
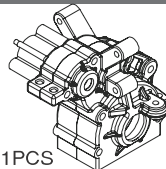
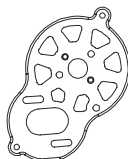
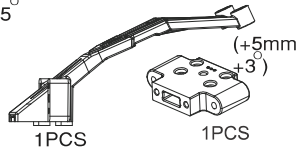
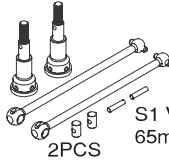
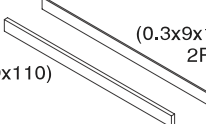
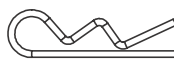
電池

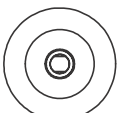
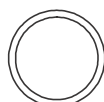
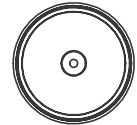
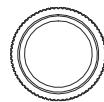
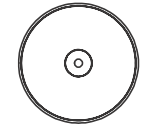
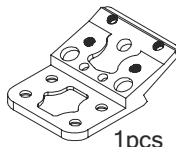
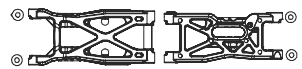
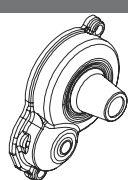
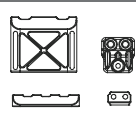
Pinion/Spur

馬達齒/齒輪

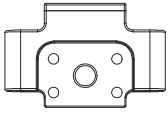
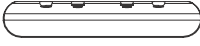
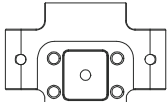
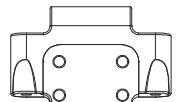
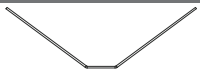
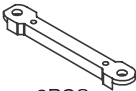
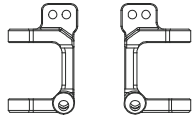
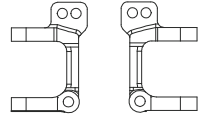
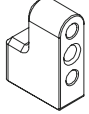
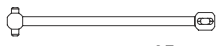
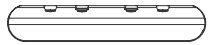
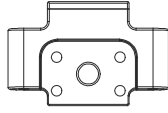
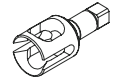


65400016  2PCS 2PCS	66400036  1PCS 1PCS 2PCS 1PCS 4PCS 1PCS 1PCS 1PCS 2PCS 2PCS		66401876  (L/R 3°)
66430090  4pcs(13x1mm) 4pcs(M2.5x4mm)	66400066  4PCS 8PCS 2PCS 2PCS 4PCS 4PCS 4PCS	66402016  2pcs(34T)	66480856  1PCS 1PCS
66430080  4pcs	66400066  4PCS 8PCS 2PCS 2PCS 4PCS 4PCS 4PCS	66400116  1PCS 1PCS 1PCS 1PCS 2PCS 2PCS 1PCS 2PCS	66430200  2pcs
66400176  16PCS 2PCS 2PCS	66400186  2PCS 2PCS 2PCS 2PCS	66480826  1pcs 1pcs	66480646  20T 1PCS Light weight
66400256  2PCS 2PCS	66480846  2pcs 4pcs(2.5x8mm)	85440110  5x8x0.1mm Washer 4PCS	66400286  1PCS
66480926  2pcs (+2-2cnc)	66401006  8PCS 8PCS 4PCS	67410266  2pcs (M5)	66400326  2PCS
66402256  1PCS	66400346  6PCS	66481016  2PCS	66401686  4pcs
66400376  1PCS	66480226  5x18 2PCS Light weight	66402056  2pcs	66400626  2PCS
79400016  2x11 4PCS	79400026  3x30 2PCS	79400036  3x36.8 4PCS	66400636  2PCS

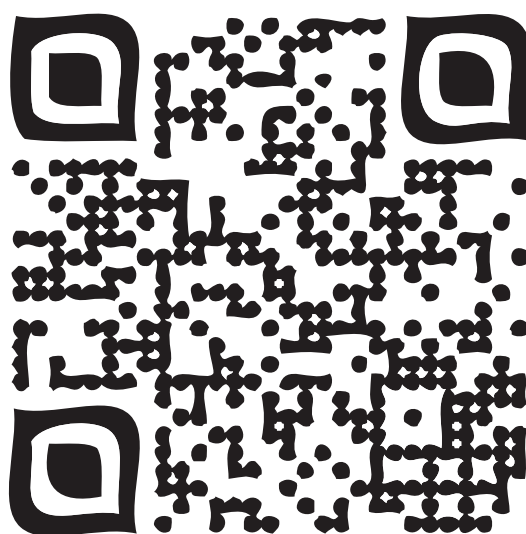
66402266	71400306		71400316
			
1PCS	1PCS		1PCS (carbon)
68000040	68440010	83400086	85440180
			
(14mmx4.2mm) 4PCS	(14mmx5.2mm) 4PCS	M5 4PCS	1PCS
76500036	71400346	73400066	73400056
			
(3mm-carbon) 1PCS	(3mm-carbon) 1PCS	1PCS (L/R)	1PCS
73400036	71400076	71400096	66480626
			
1PCS	1PCS	(RR-3°) 1PCS	2PCS
73400076	71400106	67400106	66480636
			
1PCS	(For S1 V3) 1PCS	1PCS	2PCS
66480606	71400126	71400136	99000010
			
(83T) 1PCS	S1 V3(FM) CVD 65mm M5 Set 2PCS	(65mm) 2PCS	(0.3x9x110) 2PCS (0.1x9x110) 2PCS
66400676	66401056	66480306	98400046
			
8PCS	10PCS	2PCS	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

68480526	66400466	83400026	85440020
 1.6mm 1PCS	 2PCS	 M3 5PCS	 3x4,65x0,2mm 15PCS
85440070	66401016	66401036	66401046
 2.6x6x0,5mm 4PCS	 4.8x3mm 6PCS	 4.8x6mm 6PCS	 4.8x8mm 6PCS
66401826	66400606	85440100	66400966
 4PCS	 4PCS	 3x6.6x0,9mm 4PCS	 2PCS
66402246	66401096	66401846	66400976
 4PCS	 2PCS	 16.3mm 4PCS	 2PCS
85440180	85440010	76500066	69400146
 5x8x0,5mm Washer 4PCS	 5x8x0,2mm Washer 15PCS	 1pcs	 2pcs
66400296	73400046	73400066	68480106
 1pcs	 1pcs	 1pcs	 2PCS  2PCS
66402366	66401306		
 2PCS cnc	 2PCS		

Option Parts

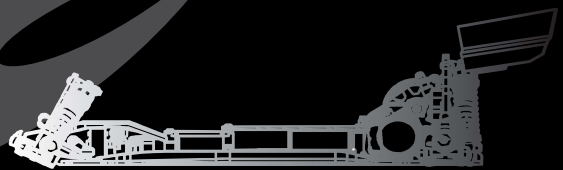
66480456  (+5mm 3)lower swing arm mounts 22g (aluminum)	71400166  (RR-3.5) 1PCS	66480476  (+5mm 0)lower swing arm mounts 20g (aluminum)	66480536  (+5mm 7)lower swing arm mounts 66g (Brass)
66480736  PR S1 balance beam 1.4mm	71000036  carbon 2PCS	66480396  Mental C-hubs(0 degrees) Left & Right	66480326  Mental C-hubs(4 degrees) Left & Right
66480946  1PCS  2PCS carbon	66480936  (cnc) 2pcs  (M3X8mm) 2pcs	71480016  65mm 2PCS Light weight	71400156  1PCS (RR-3.5)
83000020  (M5) 4PCS	66481186  (+5mm 7)lower swing arm mounts (aluminum)	71400406  (RR-1.5) 1PCS	66481106  2PCS +0.8mm

NOTE



PR51V3(MM)

1/10 ELECTRIC 2WD RACING PRO KIT



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