

PR SIV3(FM)

1/10 ELECTRIC 2WD RACING PRO KIT
2018 PR SIV3(FM)

PR RACING
TYPE R



#71400546-2018 PR S1 V3 (FM) 1/10 Electric 2WD Buggy PRO

#71400516-2018 PR S1 V3 TYPE R(FM) 1/10 Electric 2WD Buggy PRO

Since the release of the V3 (FM) 2wd Buggy we have been working hard at PR Racing to develop and improve what has already been a very competitive and successful platform. The 2018 version of the V3 buggy comes in two forms; a standard 2018 version with some optional additions and changes, and the Type R, which includes all new shock absorbers, towers, carbon chassis and a whole range of optional parts previously only available separately. The new lower shock geometry and new sleek body produce a much more stable car on high grip which changes direction quicker, and rotates through the corner smoother and at higher speed. Our team of drivers have had some great success testing these new parts.

The 2018 edition cars both include the universal type chassis which means it is easy to swap between the 3 gear laydown and the stand-up gearbox. The Type R utilizes a 2.5mm carbon fibre version of the chassis which offers reduced weight and more reactive handling characteristics, while the Standard 2018 FM continues to use the alloy version.

PR never stand still and are constantly looking to improve their platforms in performance and value to take you to the next level!

2018 PR S1 V3 (FM) - Updates

- Low Mount Shock Towers Front and Rear
- Includes 1.5, 2.5 and 3.0 RR Hangers
- M5 Steel front Axles
- High Tensile Steel 36mm Turnbuckles
- Revised Carbon Steering Arm plates
- CNC Aluminium Rear Camber Plate
- SB401 Rear Wing Mount
- Gullwing front and Rear Wishbones
- Revised Shock absorbers
- New Sleek Low Profile Body

2018 FM Type R - Updates in addition to the FM 2018 version

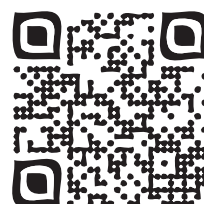
- 2.5mm Carbon Fibre Chassis
- New CNC Aluminium ball-raced Ackerman Plate
- CNC Alloy Servo Mounts
- 4 Degree Alloy Caster Blocks
- Aluminium front hinge pin block (+5mm 3 degree)
- Ultra-Low Front and Rear Shock towers
- All new Short Type R Shock Absorbers
- Front Camber Plates
- Aluminium M5 front Axles
- 36mm Titanium Turnbuckles
- Vented Slipper Plates
- New Waterfall with ball stud location
- Sway Bar Set
- 34 Tooth Alloy Idler Gear
- Brass RF Hanger

Specifications

Items required to complete

- Length: 411mm
- Width: 250mm
- Height: 145mm
- Wheelbase: 285mm
- Front track: 248mm
- Rear track: 248mm
- Weight: 1450-1480 g
- 12.8mm big bore oil fill in shock
- 3 gears deploy in gear case
- Metal gear differential
- Dual pad slipper mounting
- Complete sealed gear bearing
- 12mm Hex fit wheels
- Metric socket screw (Hex Screws)

- 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



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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.



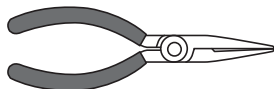
Apply oil.

- 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!

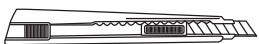
- Needle Nose Pliers



- Awl



- Sharp Hobby Knife



- Grease



- Wire Cutters



- SP Knife Edge Reamer

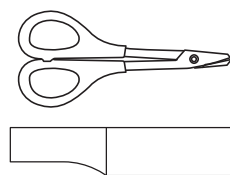


Do not pre-drill as precise drilling of 1mm to 15mm holes can be performed after body shell painted.

- Screw Cement



- Round Cutter & Sander

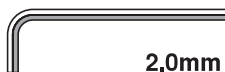


For trimming bodies Cutting along curved lines was never so easy!

- Hex Wrench



1.5mm



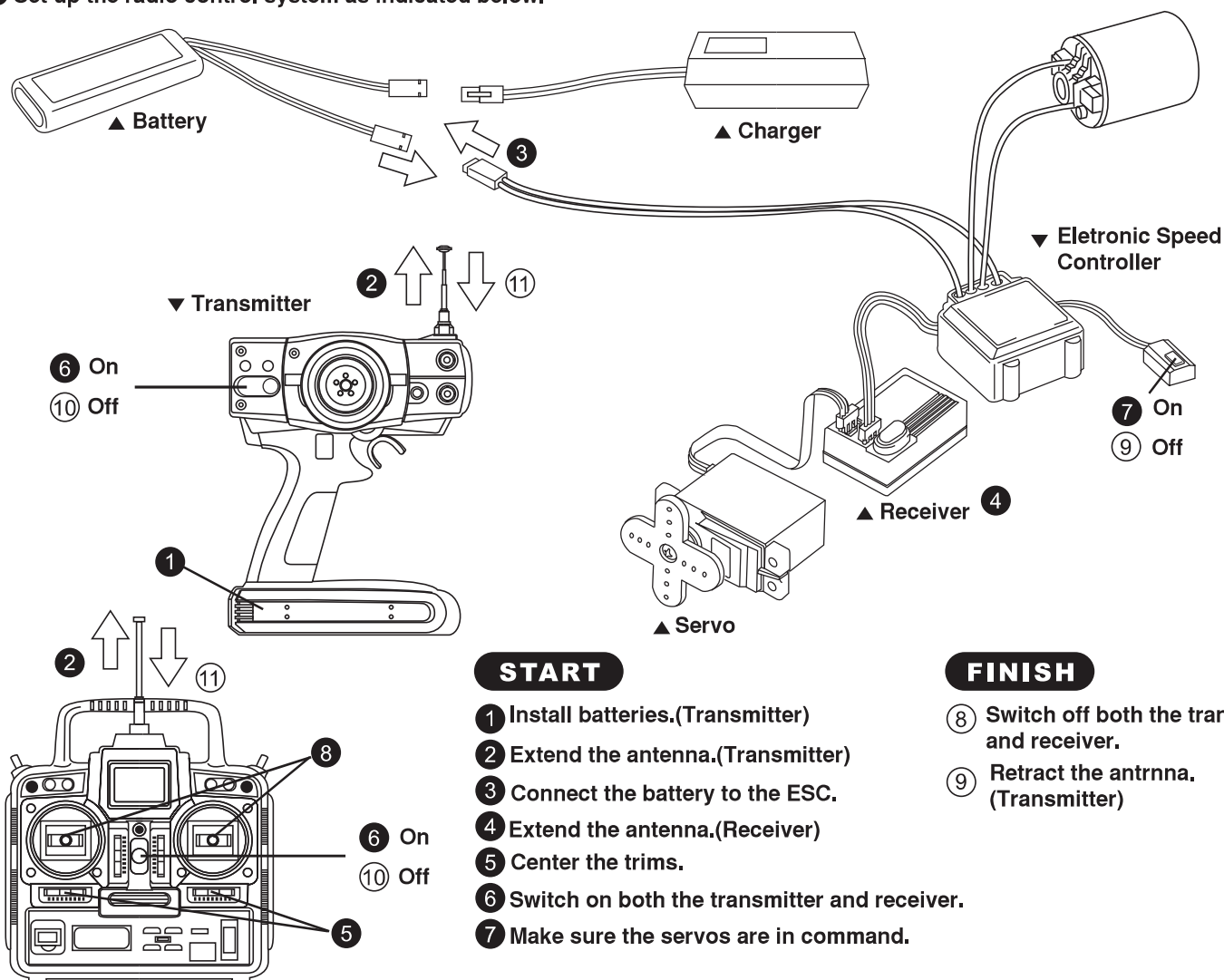
2.0mm

- Ball Differential Grease



RADIO PREPARATION

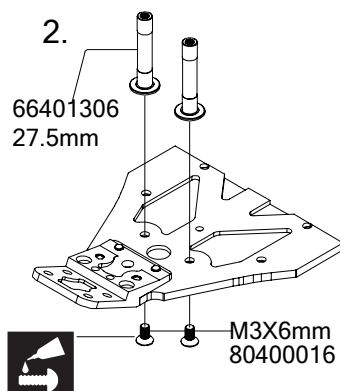
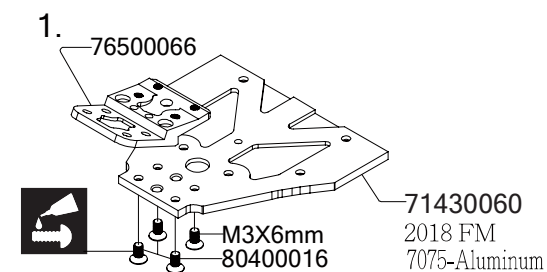
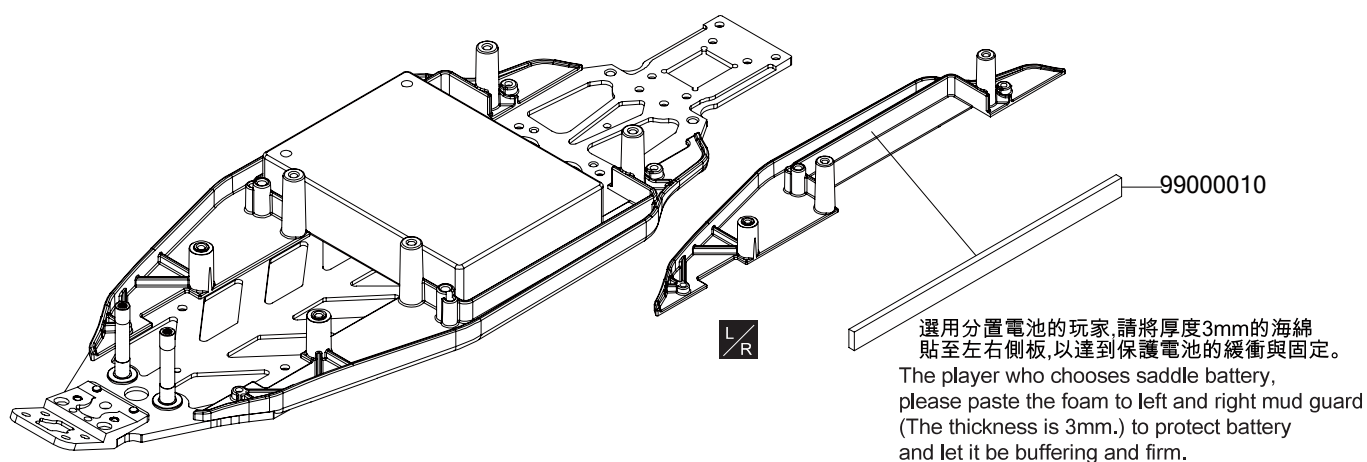
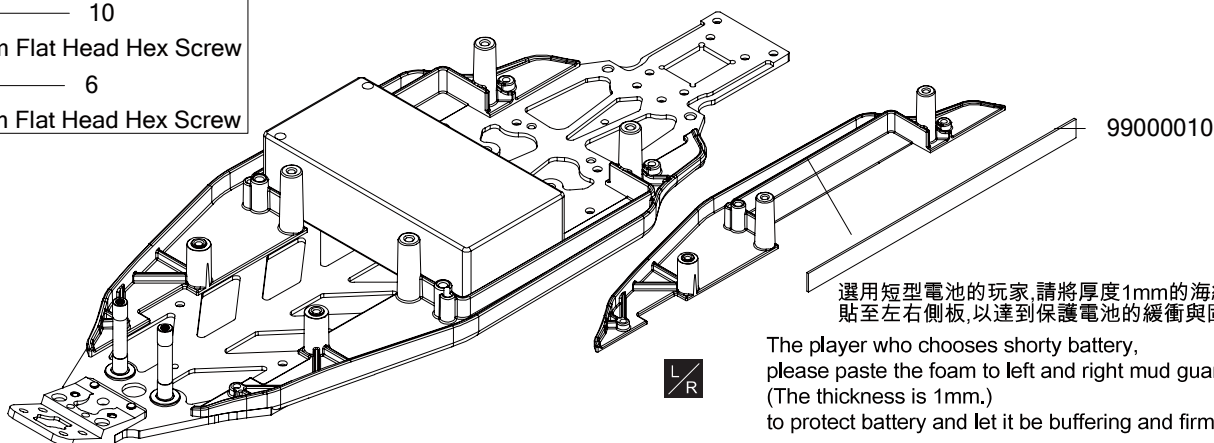
- A new battery must be charged before it is used. Refer to the charger instruction manual for charging.
- Set up the radio control system as indicated below.





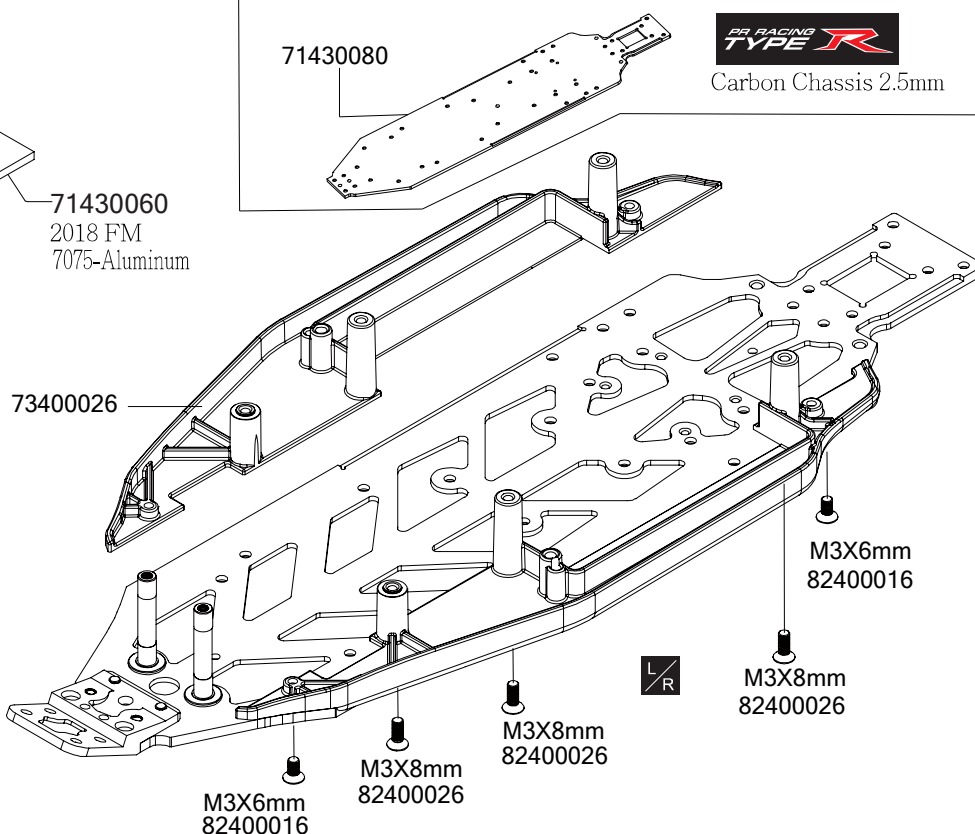
A1 Chassis Guard Installation

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



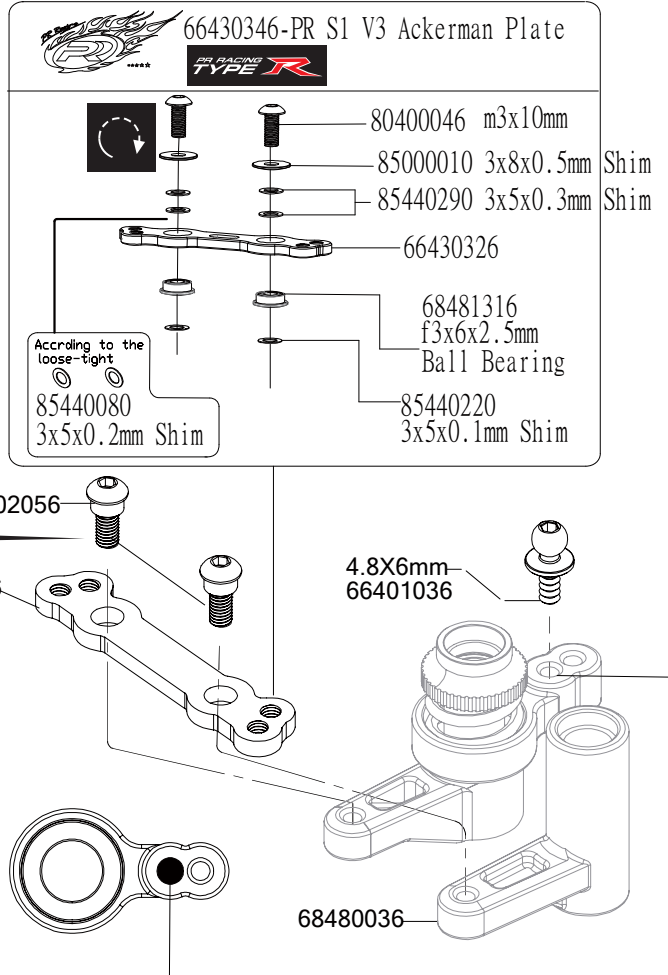
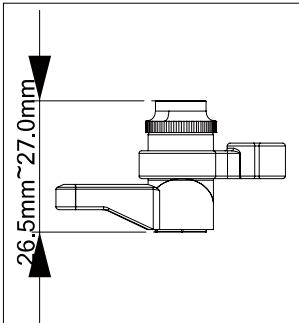
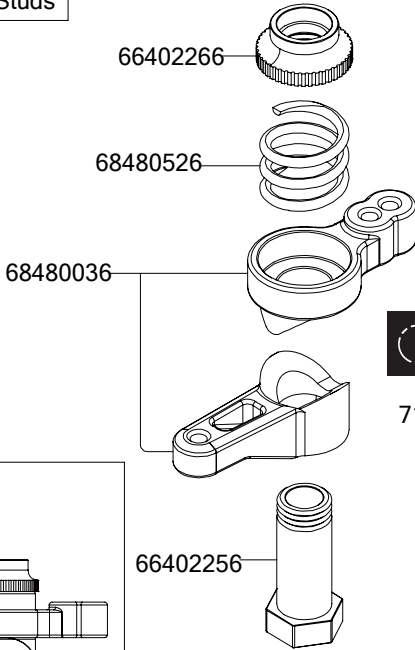
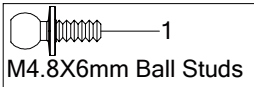
71430080

PR RACING
TYPE R
Carbon Chassis 2.5mm

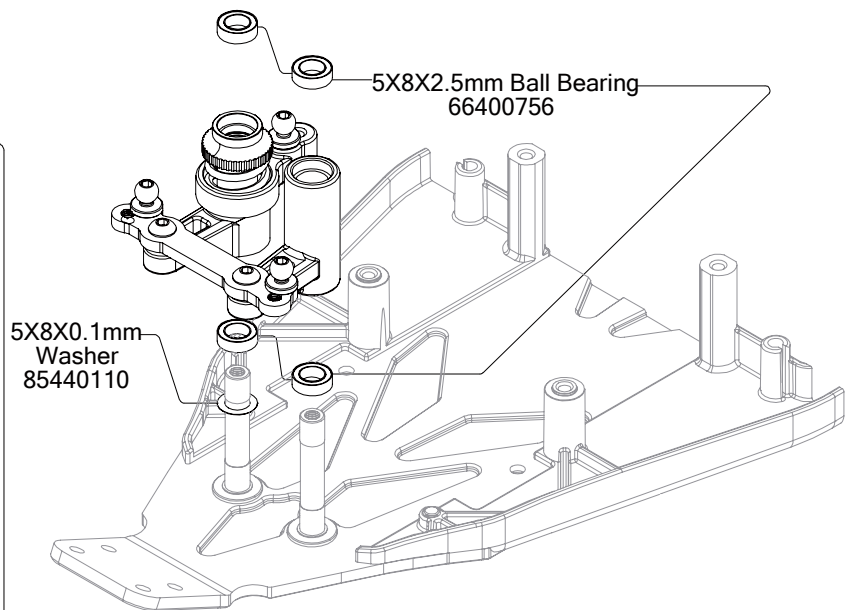
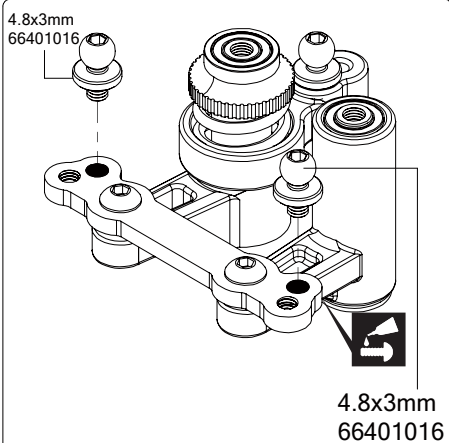
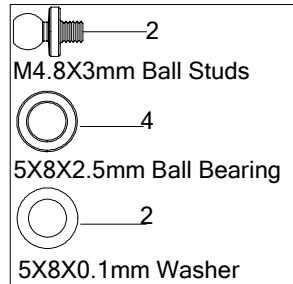




A2 Sewvo Saver



A3 Servo saver



Part Bags used.



Do not over tighten.

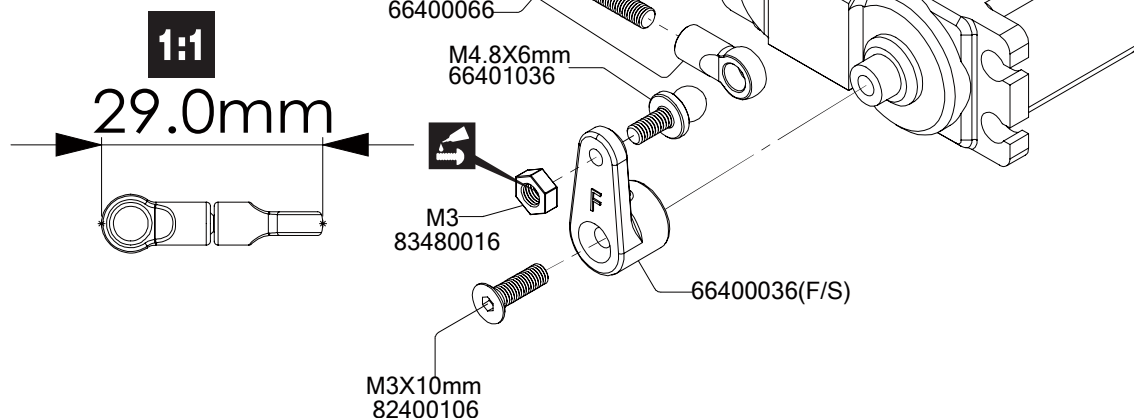


Apply threadlocker (screw cement)

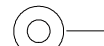


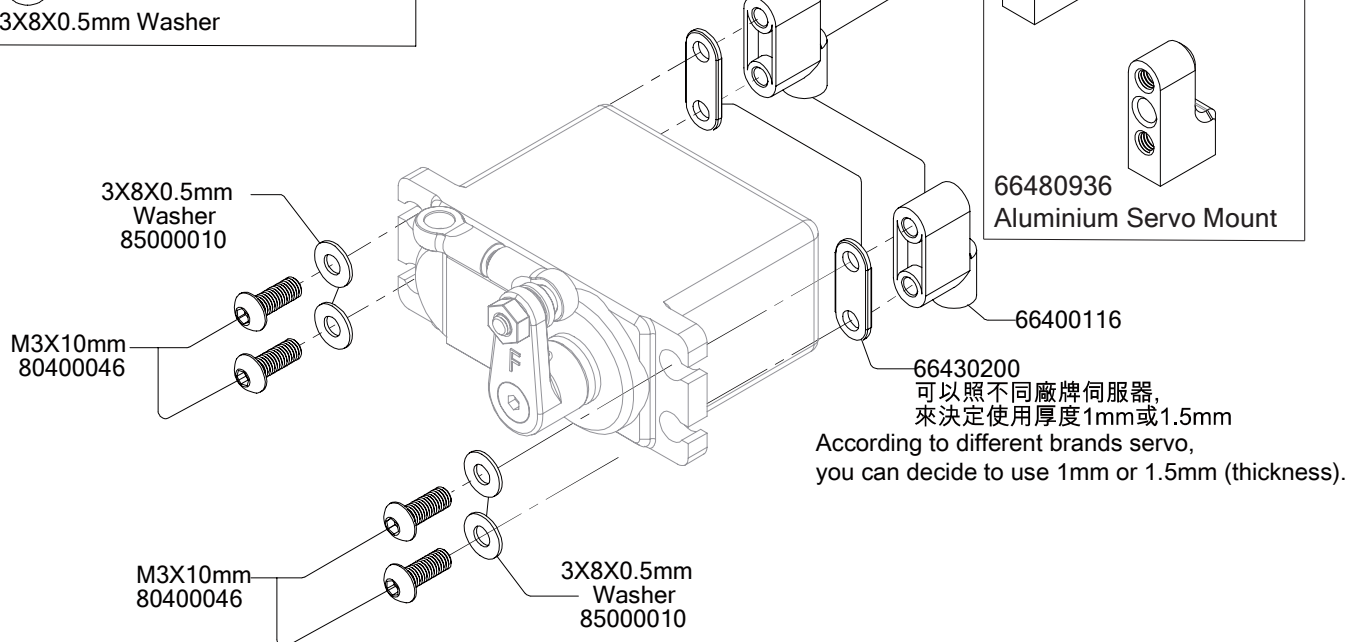
A4 Steering Servo

-  1
M3x10mm Set Screw
-  1
M4.8mmx6mm Ball Stud
-  1
M3x10mm Flat Head Hex Screw
-  1
M3 Lock Nut



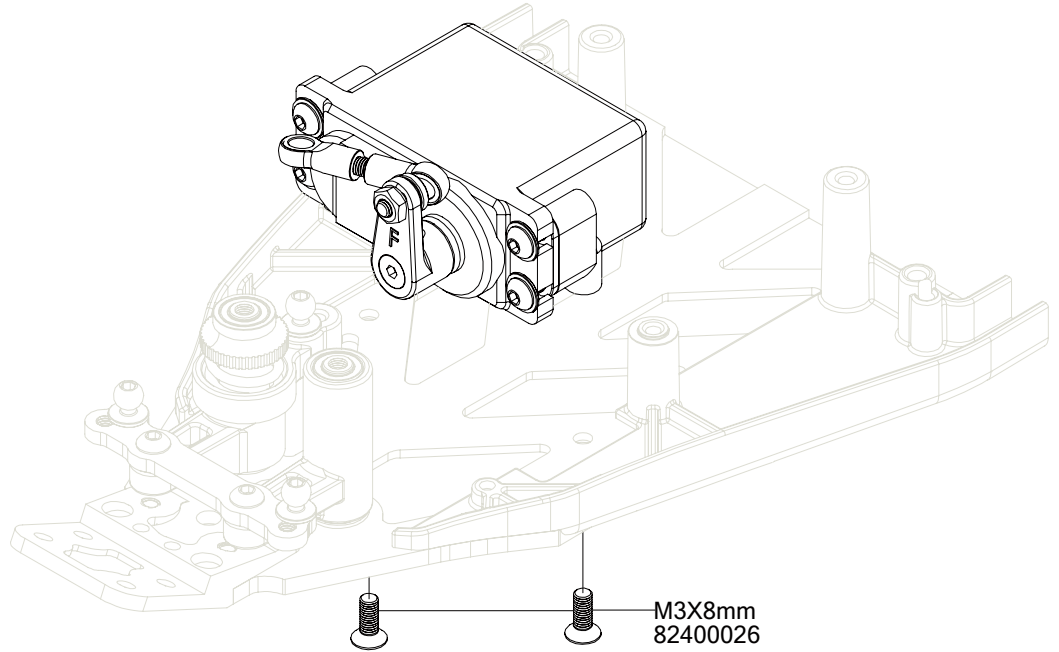
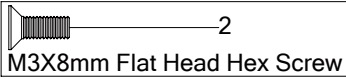
A5 Steering Servo

-  4
M3X10mm Button Head Hex Screw
-  4
3X8X0.5mm Washer

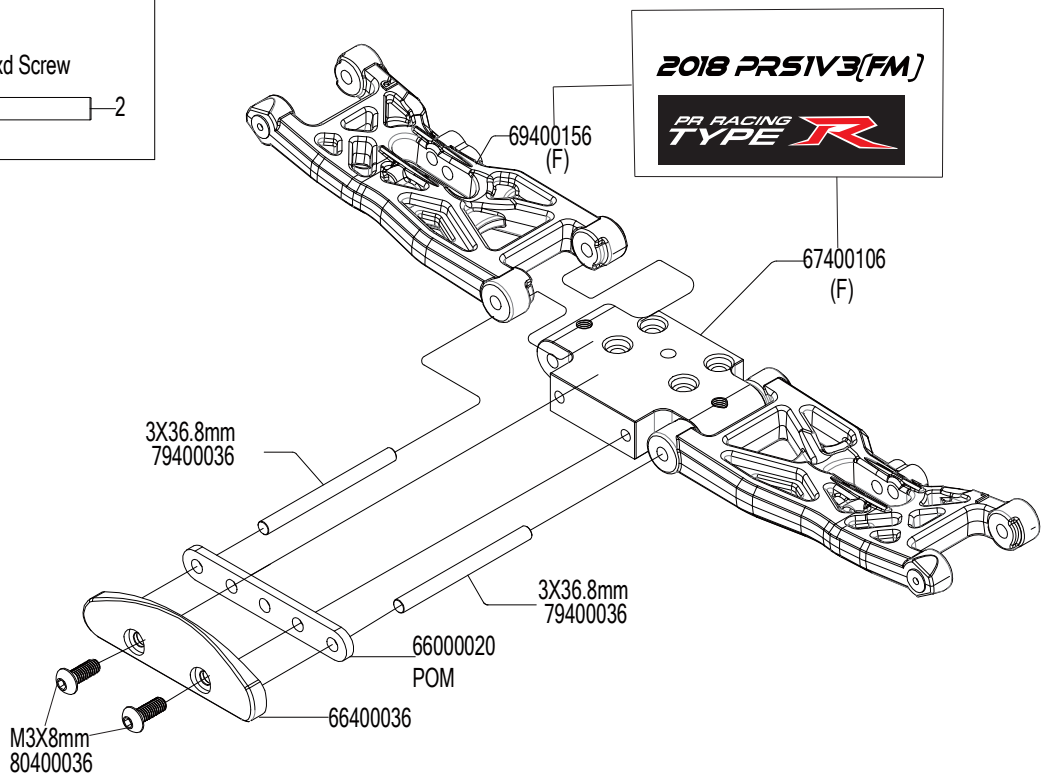
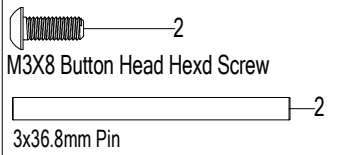




A6 Steering Servo



B1 Front Suspension



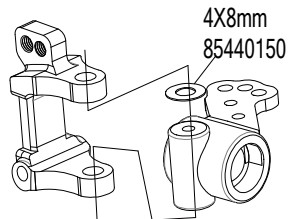
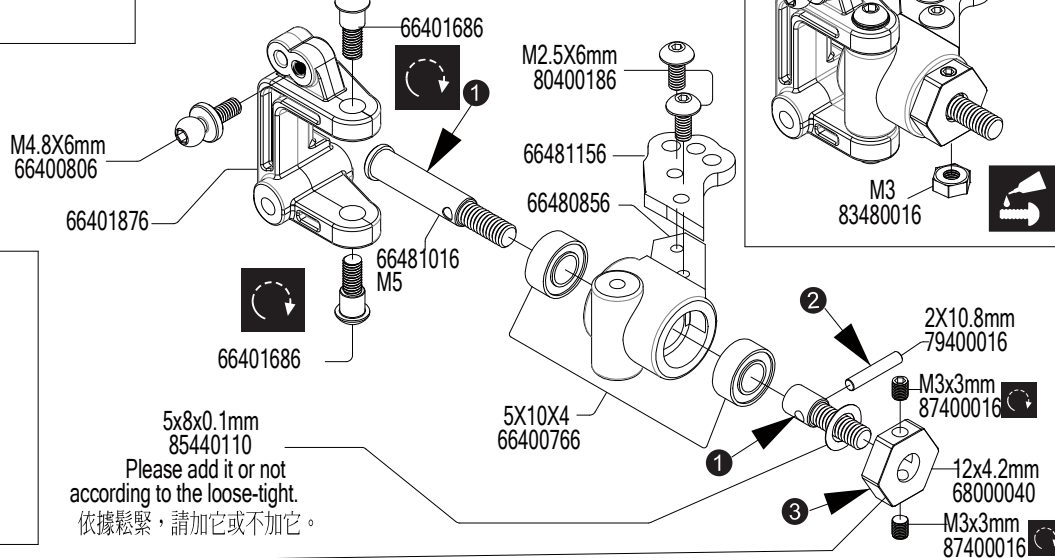
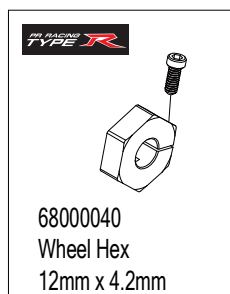
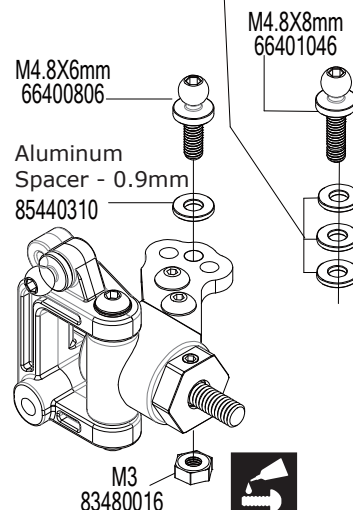
Part Bags used.



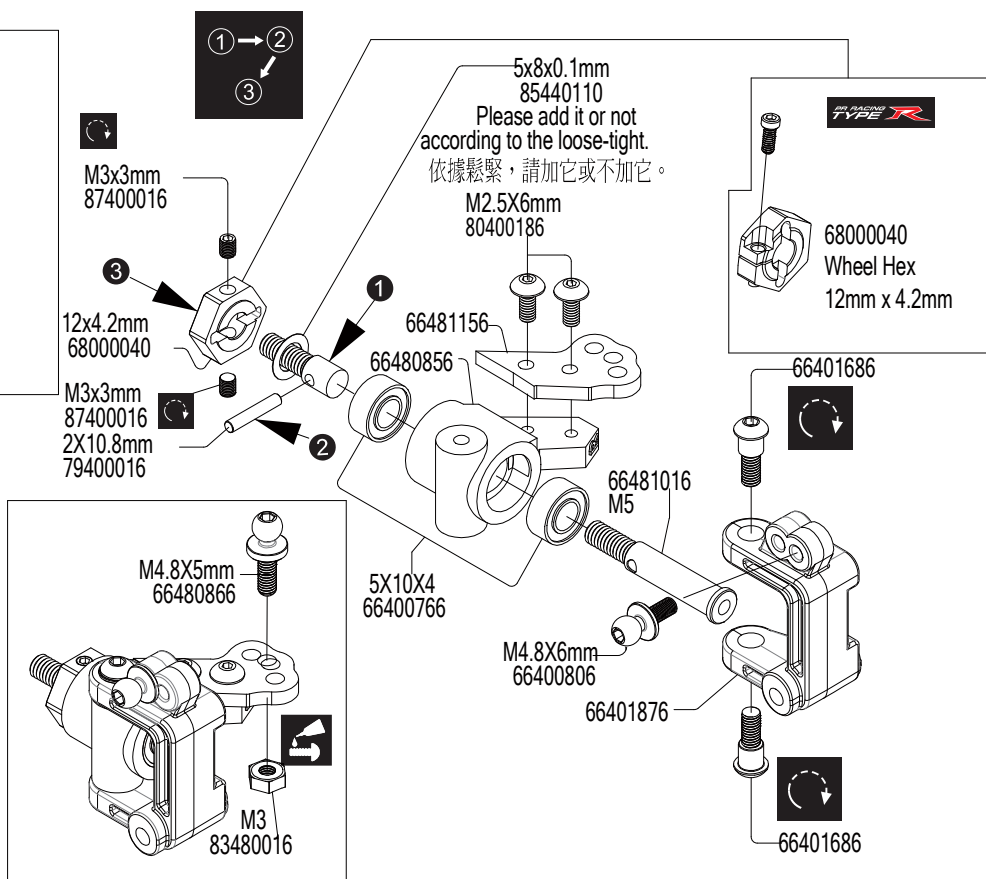
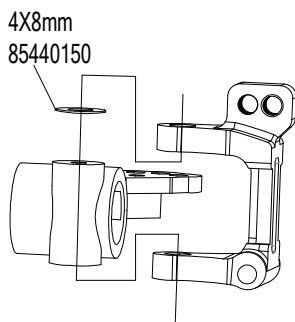
Do not over tighten.

**B2 Front Spindle(Left Side)**

- 2
M2.5X6mm Button Head Hex Screw
- 2
M3X3mm Set Screw
- 2
M4.8X6mm Ball Studs
- 1
M3 Lock Nut

PR RACING
TYPE RAdjust according to
road conditions (In X BoG)**B3 Front Spindle(Right Side)**

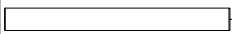
- 2
M2.5X6mm Button Head Hex Screw
- 1
M3X3mm Set Screw
- 2
M4.8X6mm Ball Studs
- 2
M3 Lock Nut

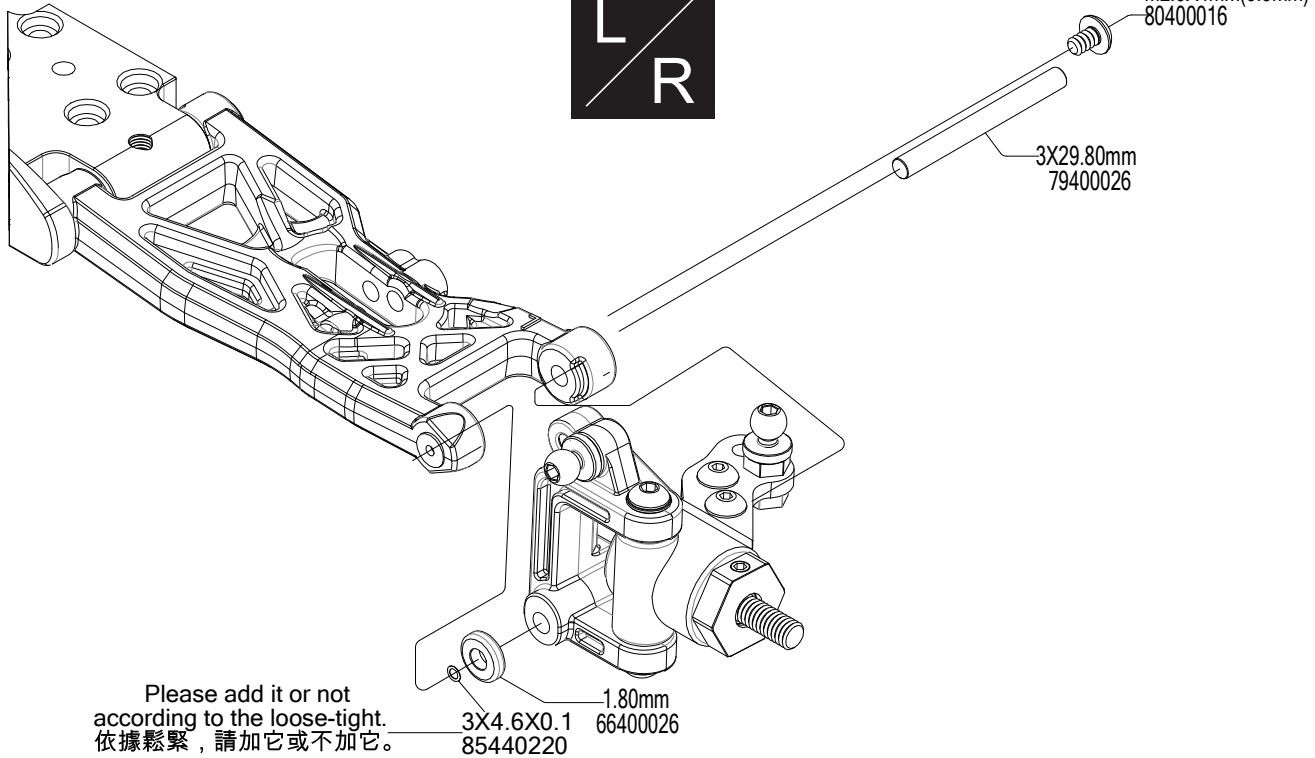
PR RACING
TYPE R



B4 Front Suspension(L&R)



-  2
M2.5X4mm Button Head Hex Screw
-  2
3X29.8mm Pin



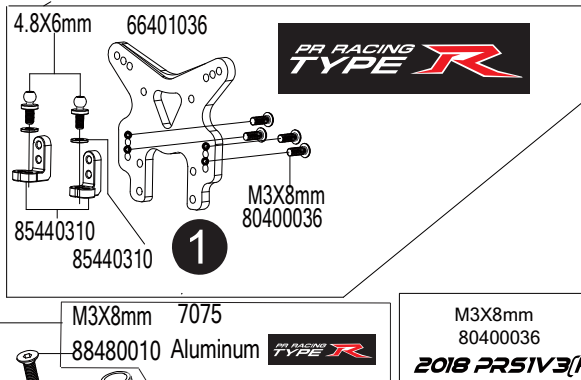
Please add it or not
according to the loose-tight.
依據鬆緊，請加它或不加它。

1.80mm
3X4.6X0.1 66400026
85440220

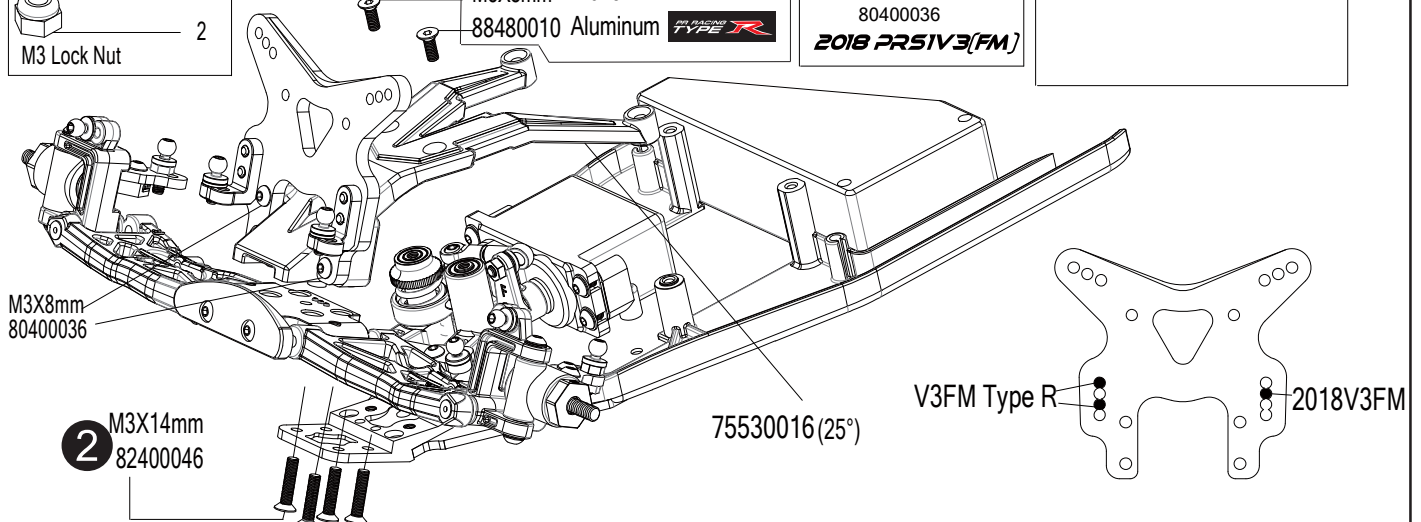
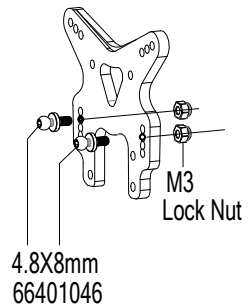
B5 Front Shock Stay



-  4
M3X8mm Button Head Hex Screw
-  2
M3X8mm Flat Head Hex Screw
-  4
M3X14mm Flat Head Hex Screw
-  2
M4.8X6 or 8 mm Ball Studs
-  2
M3 Lock Nut



2018 PRSIV3(FM)



Part Bags used.

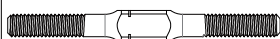


Assemble left and right
sides the same way.



B6 Front Suspension

66480016-Titanium Turnbuckle Rods 36mm



2PCS

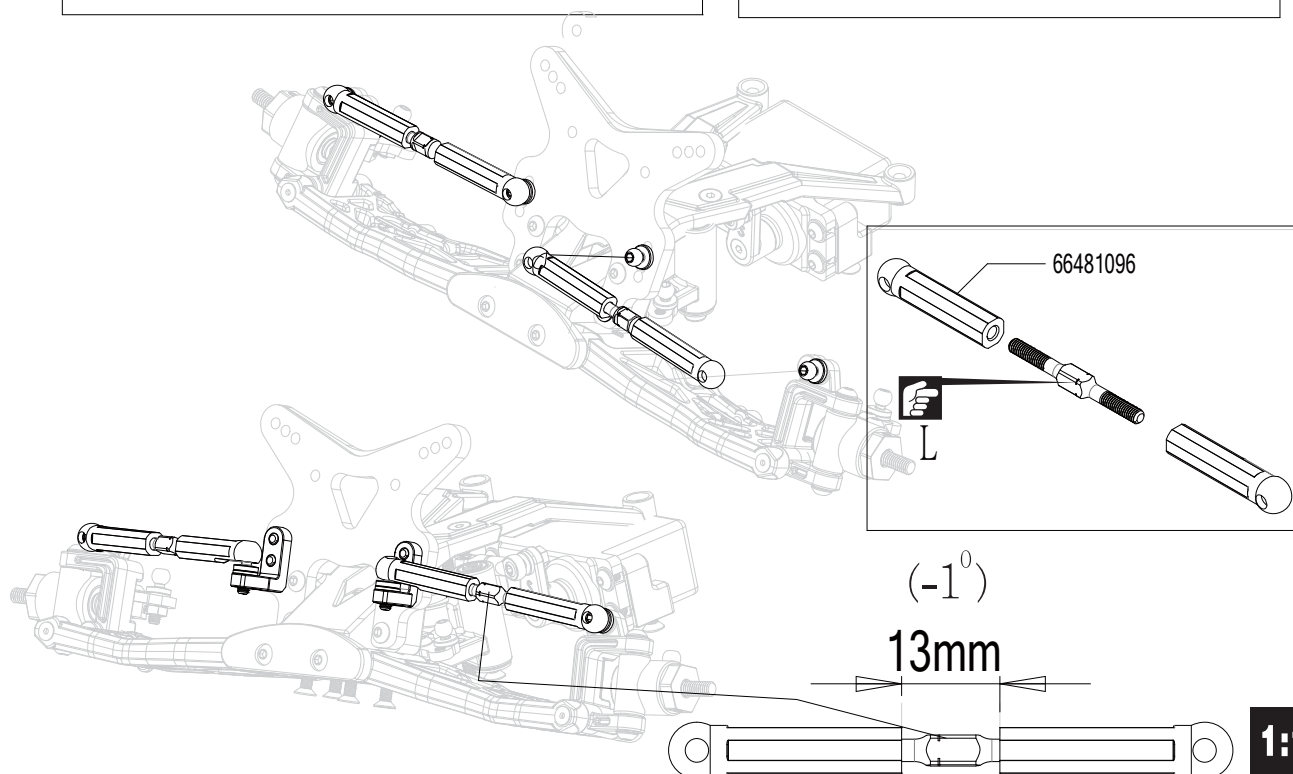
PR RACING
TYPE R

2018 PRSIV3(FM)



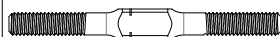
2PCS

66400346-36mm Turnbuckles



B7 Front Suspension

66480016-Titanium Turnbuckle Rods 36mm



2PCS

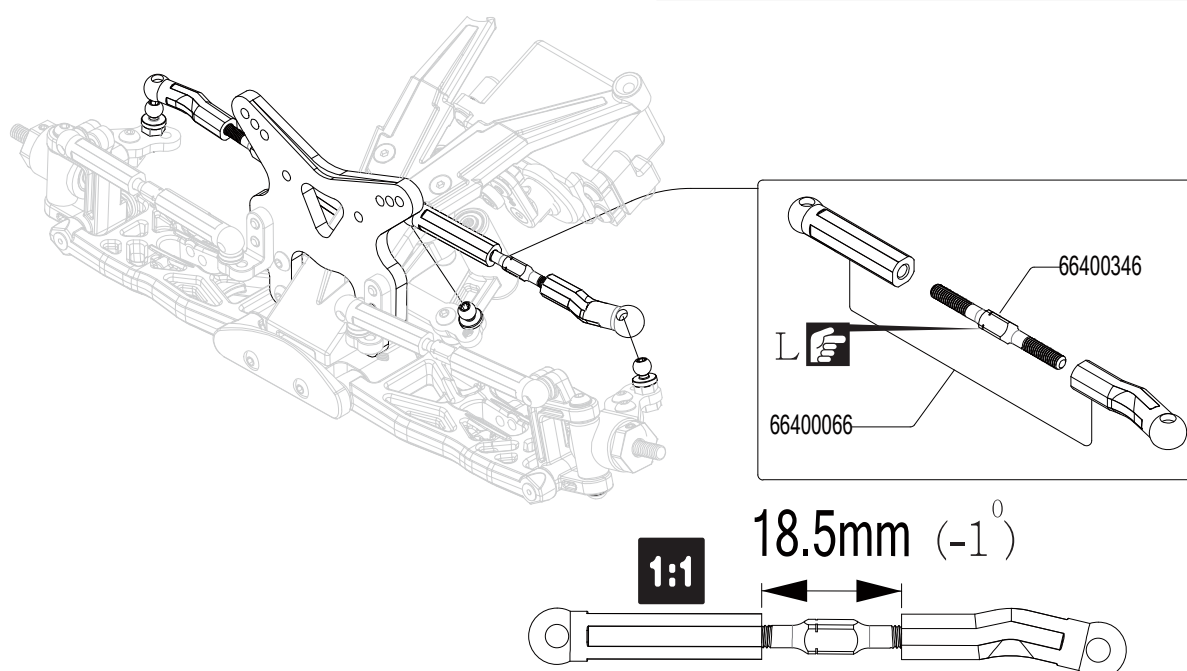
PR RACING
TYPE R

2018 PRSIV3(FM)



2PCS

66400346-36mm Turnbuckles





B8 Rear Hud&Cv.



2
M4.8X6mm Ball Studs

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TYPE R

M2X6mm
87400066

68440080
(12x5.2mm)

M2X3mm
87400016

68440020
(12x5.2mm)

M2X3mm
87400016

5X13X4mm
66400776

M4.8X6mm
66400806

Adjust according to
road conditions (In X BoG)

Aluminum
Spacer - 0.9mm
85440310

66401096

(65mm)
68410096

2X9.8mm
79400066

10X15X4mm
66400786

12.5x15X0.1
85440300

如改裝3.5度後後投影板,
請將5x8x0.1墊片取消,使用此墊片
If you want to modify 3.5 degree Rear Suspension Mount,
please don't use 5x8x0.1 washer, please use this washer.

2X10.8mm
79400016
5x8x0.1mm
85440110
Please add it or not
according to the loose-tight.
依據鬆緊, 請加它或不加它。

B9 Rear Hud (L&R)



2
M2.5X4mm Button Head Hex Screw

2
36.8mm Pin

2
47.5mm Pin

69400176

80400016
2.5x4mm

79400046
3x47.5mm

79400036
3x47.5mm

66430200
3x6.6x1mm-pom

69400176
3x6.6x2mm-pom

3X4.75X0.1
85440220

Please add it or not
according to the loose-tight.
依據鬆緊, 請加它或不加它。



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

3X4.6X0.1
85440220
Please add it or not
according to the loose-tight.
依據鬆緊，請加它或不加它。



71400236

71400416
S1V3 FM

66400566

Adjust according to
road conditions

71400406(1.5°)
71400156(2.5°)
71400096(3.0°)

M3X6mm
82400026M3X8mm
82400026

C1 Gear Differential

- 4
M2.5X8mm Flat Head Hex Screw
- 2
5X8X0.8mm Washer
- 4
4X8X0.25mm Washer

66480286

66480296

5X1.5mm(o-ring)
314500165X8X0.8mm
85440170

85400016

66480336

66480336

85400016

5X8X0.8mm
854401705X1.5mm(o-ring)
31450016

66480296

66480286

4X8X0.25
(Washer)
85440150

66430260

66480356

M2.5X8mm
82400066

66480366

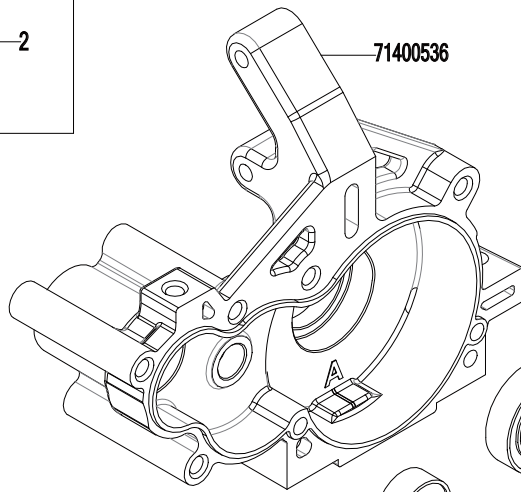
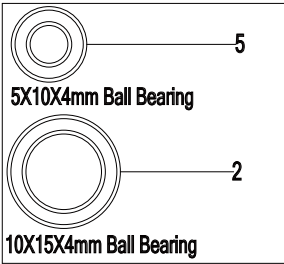
建議濃度為3000至15000差速油
灌至八分滿

The recommendable
density is 3000-5000
differential oil,
please pour in the
differential oil
reached up to 80%.



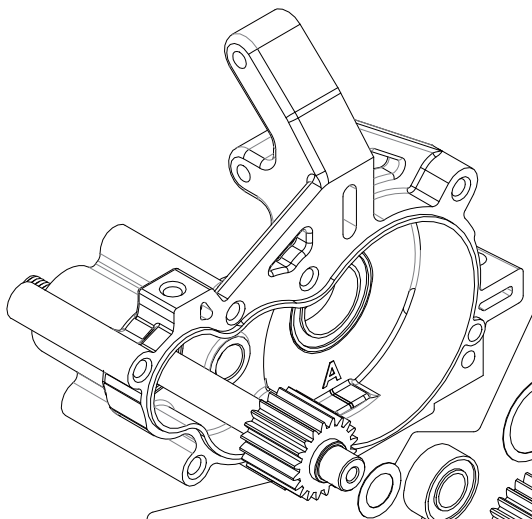
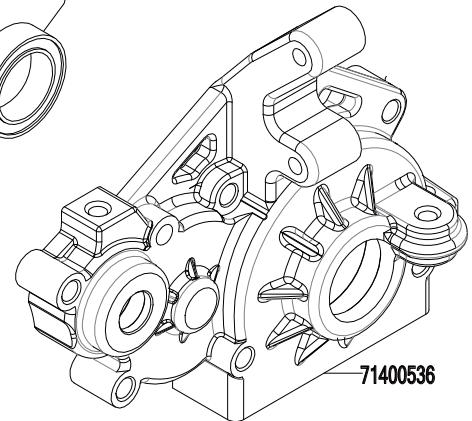


C2 Transmission Assembly



10X15X4mm
66400786

5X10X4mm
66400766



5x8x0.1mm
85440110
Please add it or not
according to the loose-tight.
依據鬆緊，請加它或不加它。

Top Shaft(20t)Light Whight
66480646

5X10X4mm
66400766

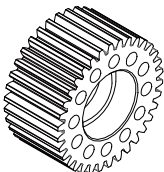
34t(pom)
66410056

5X10X4mm
66400766

5X18mm Shaft Set Pin
66480226



34T Aluminium Idler Gear
66402086

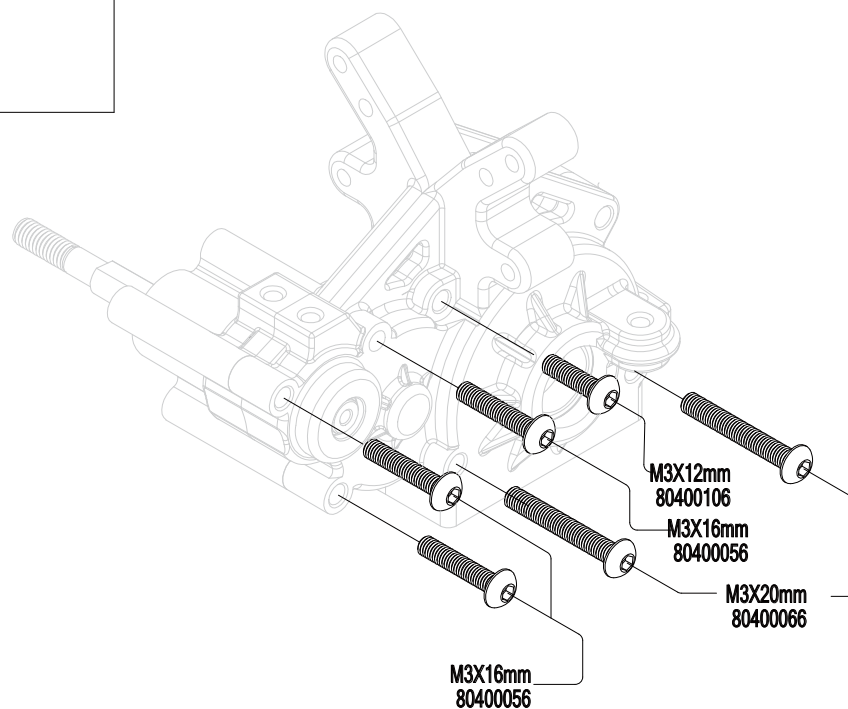


Part Bags used.



C3 Transmission Assembly

- 1
M3X12mm Button Head Hex Screw
- 3
M3X16mm Button Head Hex Screw
- 2
M3X20mm Button Head Hex Screw



C4 Transmission Assembly

- 3
M3X10mm Flat Head Hex Screw
- 1
M4 Lock Nut

M4
83400036

66480826

(81)
71400116

66480306

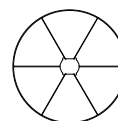
66400466

2018 PR5IV3(FM)

M3X10mm
82400026

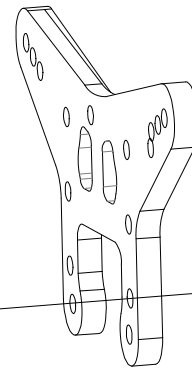
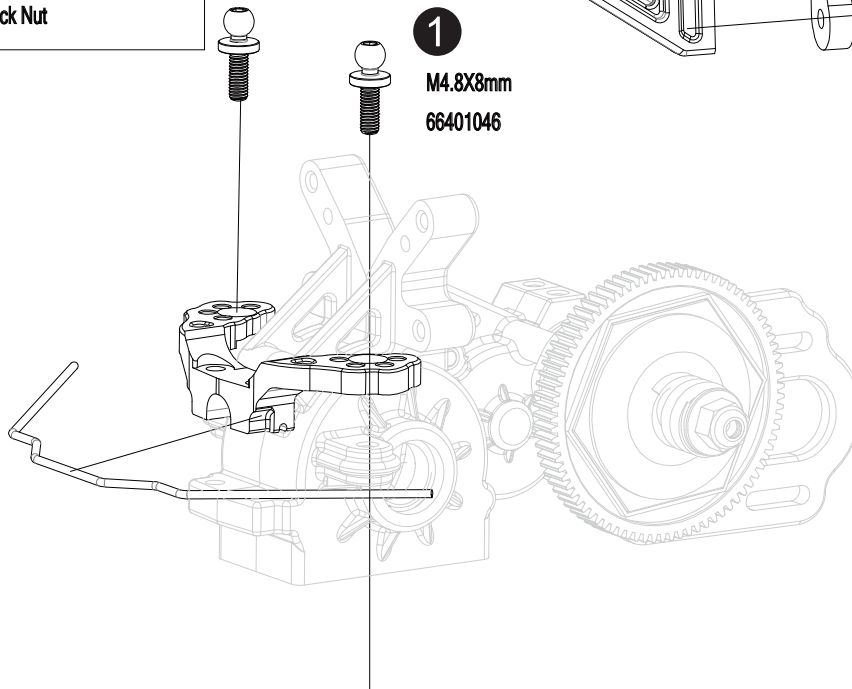
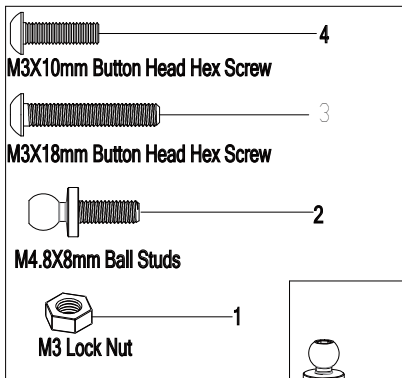
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TYPE R





C5 Rear Shock Stay

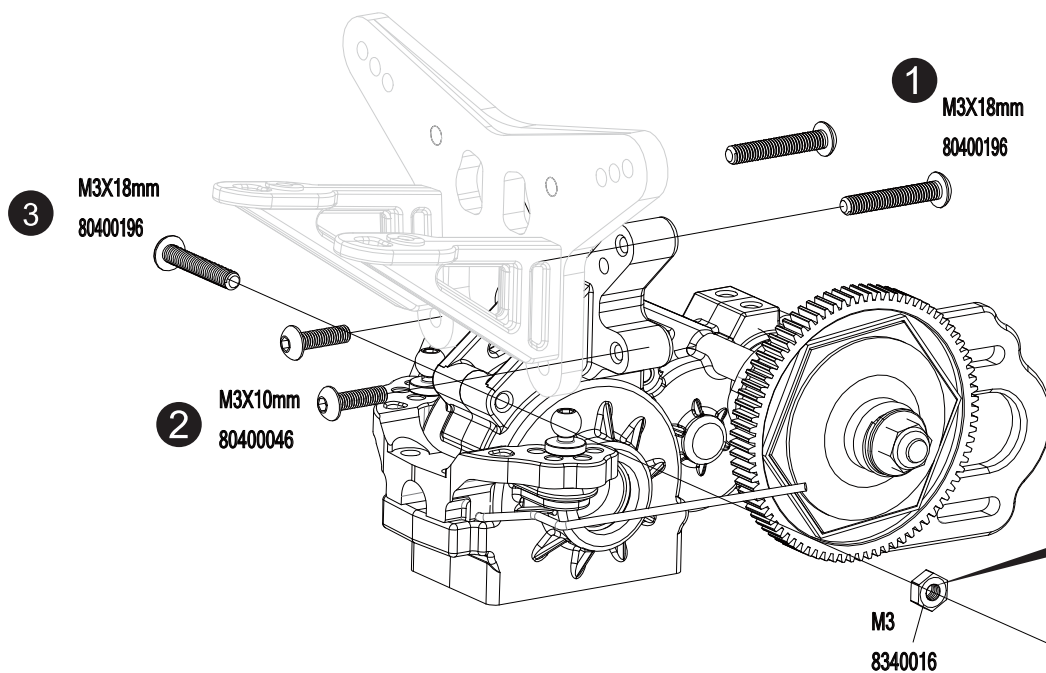
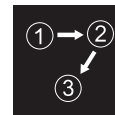


M3X10mm 7075
88480010 Aluminum



2
M3X10mm
88480010
7075-Aluminum

M3X10mm
88480010
2018 PRSIV3(FM)



Part Bags used.



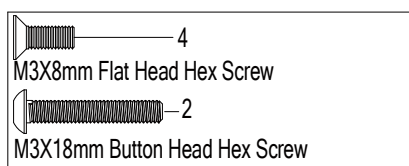
Assemble in the
specified order



Apply threadlocker (screw cement)



C6 Rear Grar Box



Do not over tighten.



M3X18mm
80400196



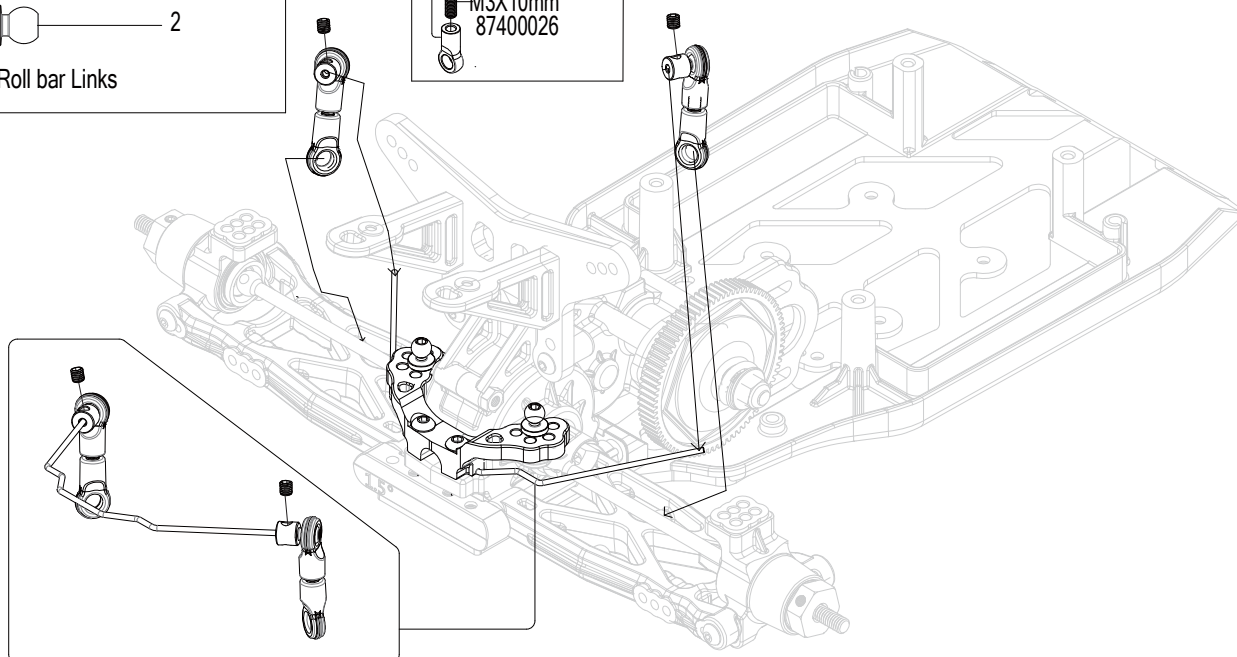
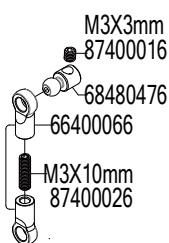
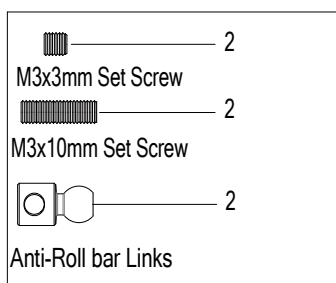
66481226

M3X8mm
80400036

66481356
PRS1v3 Sway Bar Set (1.2mm)



C7 Rear Suspension





C8 Rear Grar Box

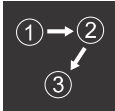
- 2
M3X8mm Button Head Hex Screw
- 2
M3X8mm Flat Head Hex Screw

M3X8mm
80400036
2018 PRSIV3(FM)

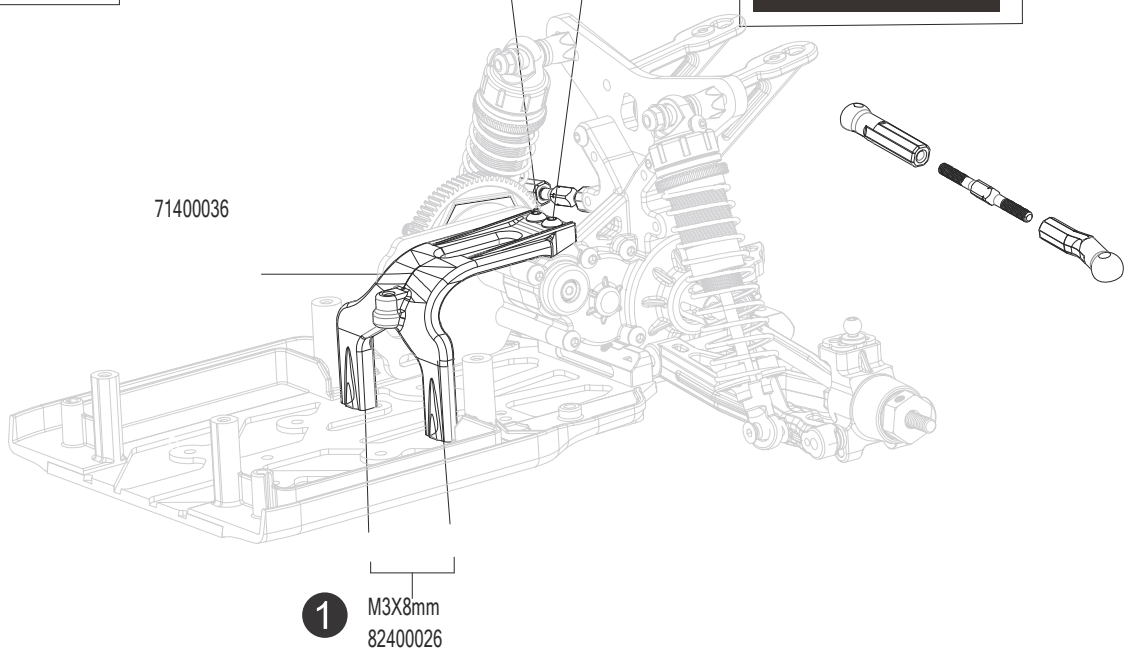
2

M3X8mm
88480010
7075
Aluminum

M3X8mm 7075
88480010 Aluminum



71400036



1
M3X8mm
82400026



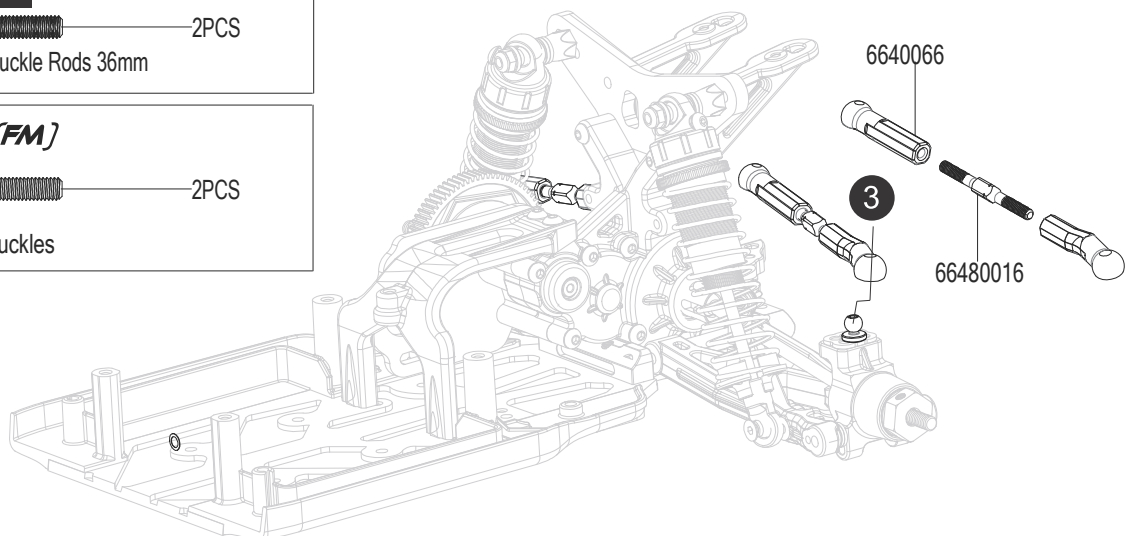
C9 Rear Suspension.



2PCS
66480016-Titanium Turnbuckle Rods 36mm



2PCS
66400346-36mm Turnbuckles

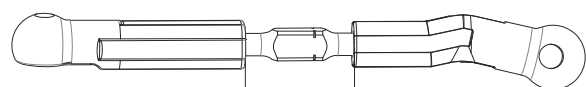


6640066



3

66480016



1:1

14.40mm (-1⁰)



Part Bags used.



Note the direction.



True-to-scale diagram.



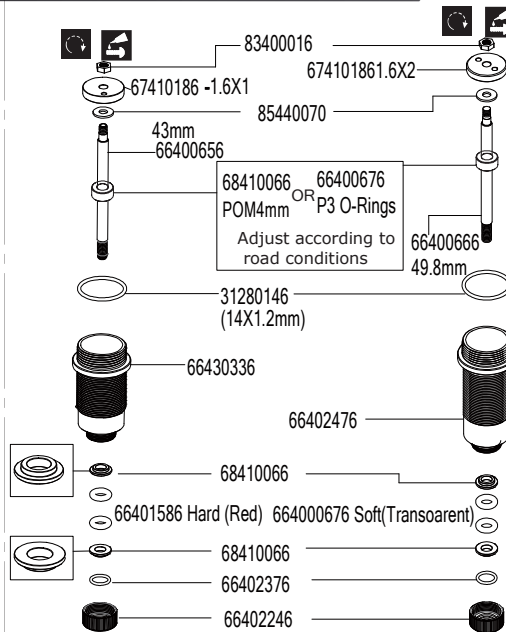
Assemble in the
specified order.



D1 Shock Assembly

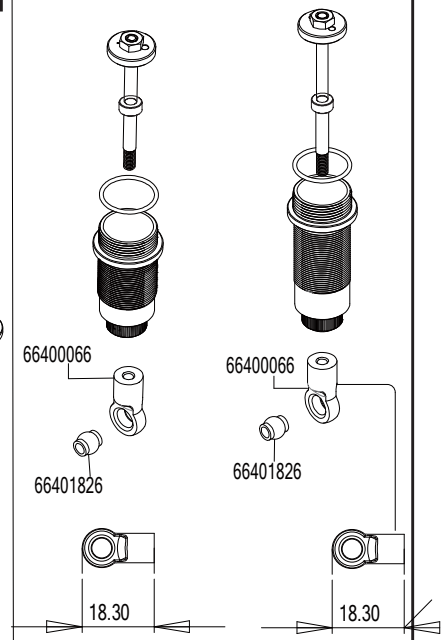


- Front Shock Shaft 66400656 ----- 2
- Rear Shock Shaft 66400666 ----- 2
- Threaded Shock Coller ----- 8
- 31280146 (14X1.2mm) ----- 4
- Threaded Shock Coller O-Rings (Need to soak silicone oil before) ----- 4
- M2.6 Nut ----- 4
- 2.6x6x0.5mm Washer ----- 4
- Shock Ball---4pcs ----- 4
- Shock Cartridge POM4mm 68410066 ----- 4
- Shock Piston 1.6+1.6 ----- 2
- Shock Piston 1.8 ----- 2

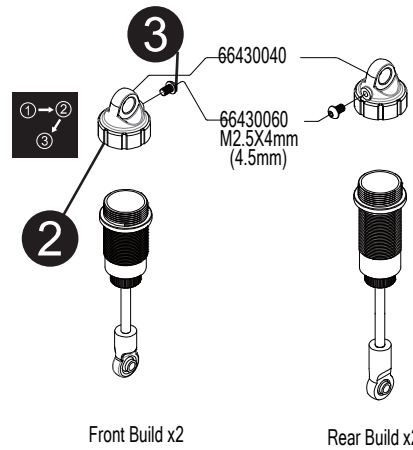
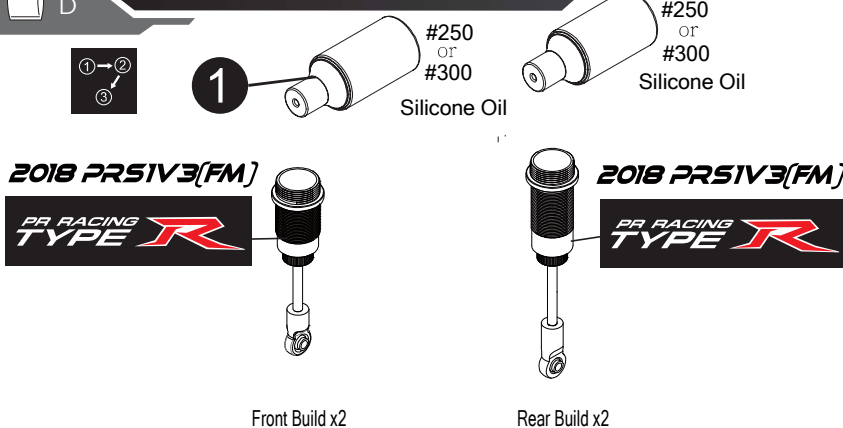


Front Buildx2

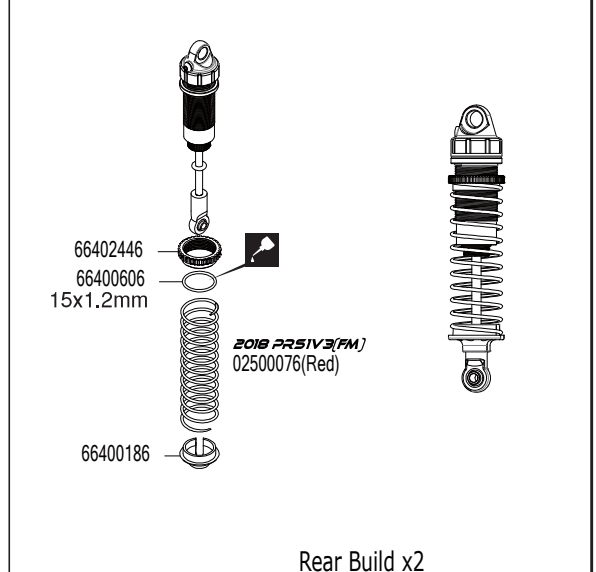
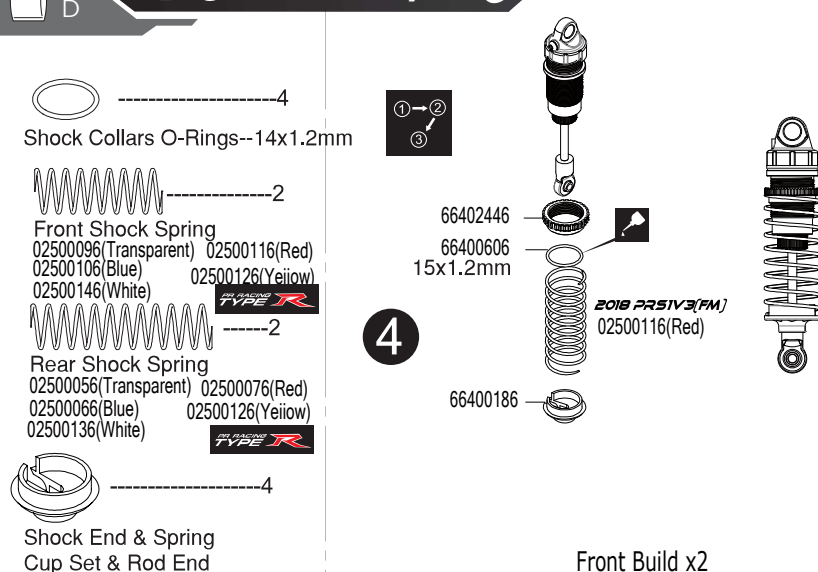
Rear Buildx2



D2 Shock Assembly



D3 Shock Spring

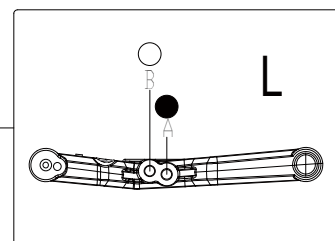
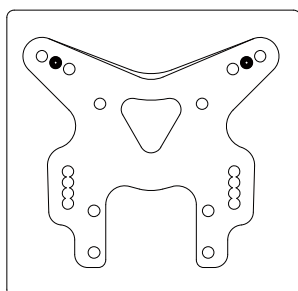
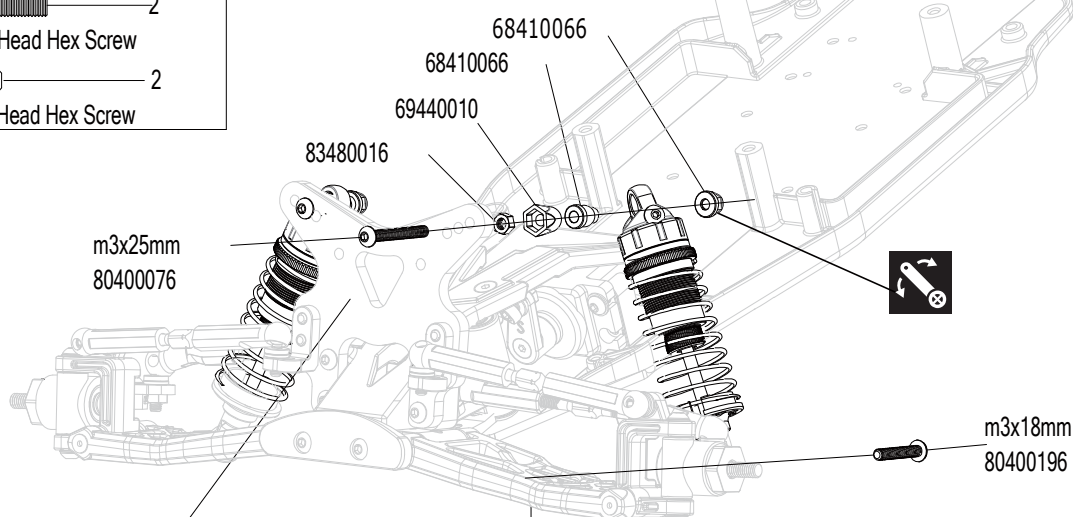
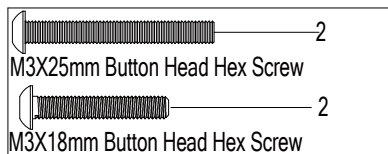




D4 Front Suspension



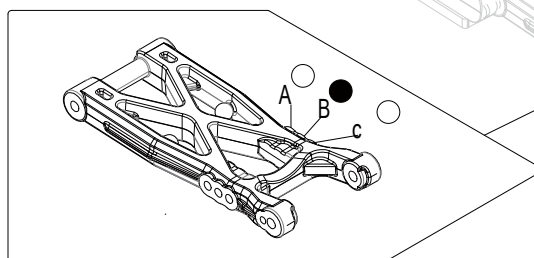
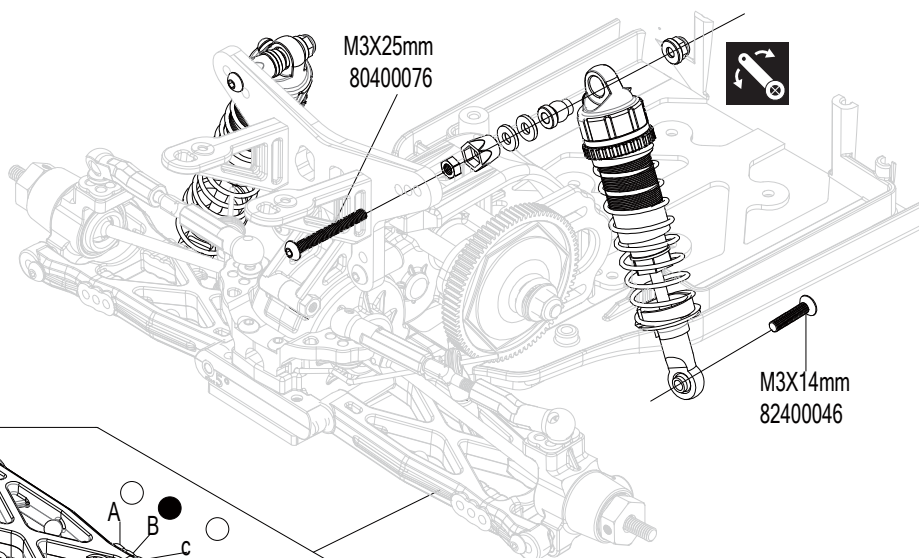
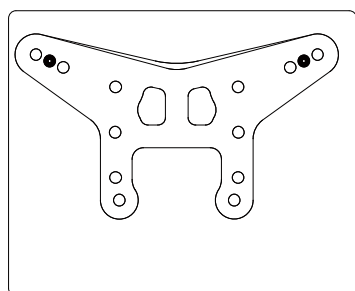
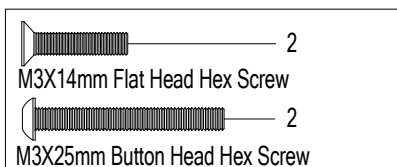
BAG
D



D5 Rear Suspension



BAG
D



Part Bags used.

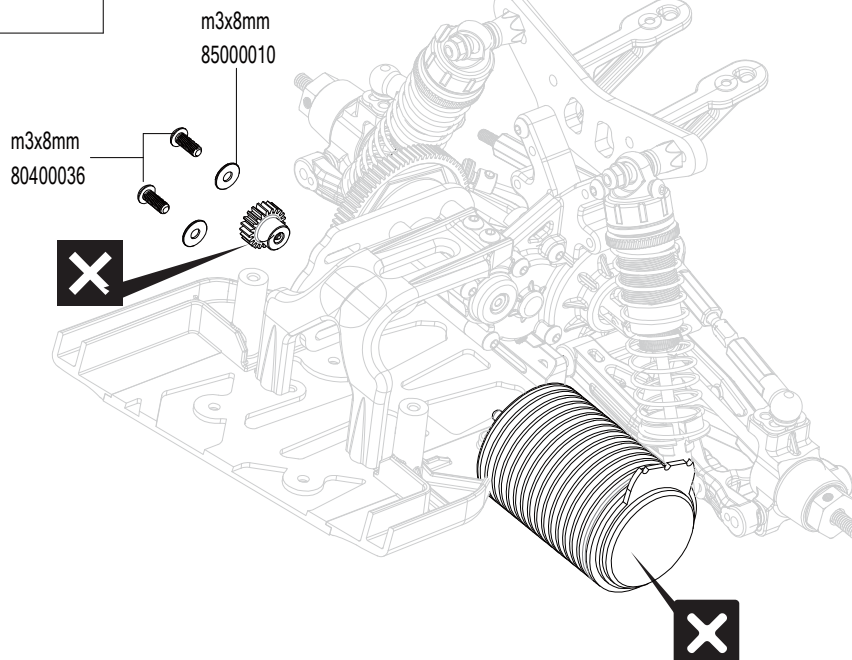


Ensure smooth non-binding
movement while assembling.



D6 Motor

-  2
 M3X6mm Button Head Hex Screw
 2
 3X8mm (Washer)



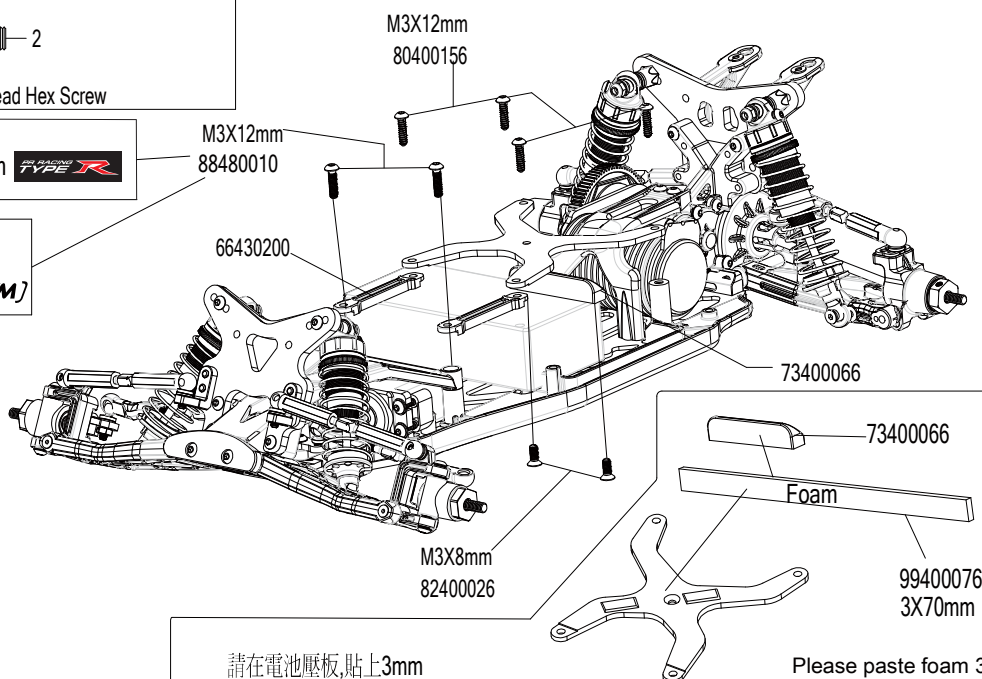
D7 BATTERY Plate

-  2
 M3X8mm Flat Head Hex Screw

-  2
 M3X16mm Button Head Hex Screw

- M3X12mm 7075
 88480010 Aluminum 

- M3X12mm
 88480010
 2018 PRSIV3(FM)



請在電池壓板,貼上3mm
泡棉,
以達到良好的固定及保護

Please paste foam 3mm to
the battery plate, it could be
regular and protected.





D8 Tires



Aluminum M5 Lock Nut



M3X12mm Button Head Hex Screw

2

1

3x12mm
88480010

1

68410066
4mm-pom

Adjust according to
road conditions (In X BoG)

68400316

2018 PRSIV3(FM)

M5
8340086
Steel



M5
83000020
Aluminum

M3X8mm
80400036

2018 PRSIV3(FM)

M3X8mm 7075
88480010 Aluminum

PR RACING
TYPE R

68480036

3

2



A little tip for those of you that are going to run the Type R body.....
When trimming it out, do not trim all the way up to the cut line on the
sides. Leave an additional 4-5mm. If you trim it too short, the spur
gear will rub on the body.



Part Bags used.



Ensure smooth non-binding
movement while assembling.



Cut off shaded portion.



SETUP SHEET for
the PR S1V3 Type R

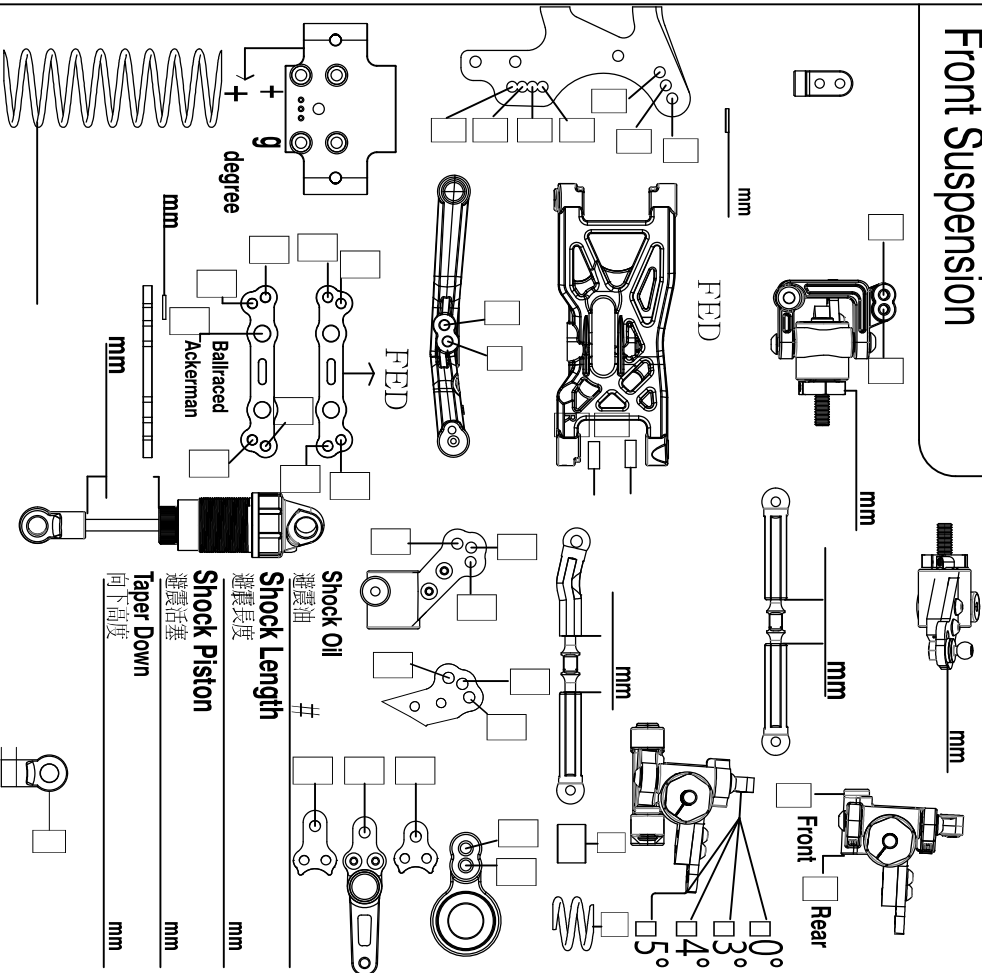
Name
姓名

Date
日期

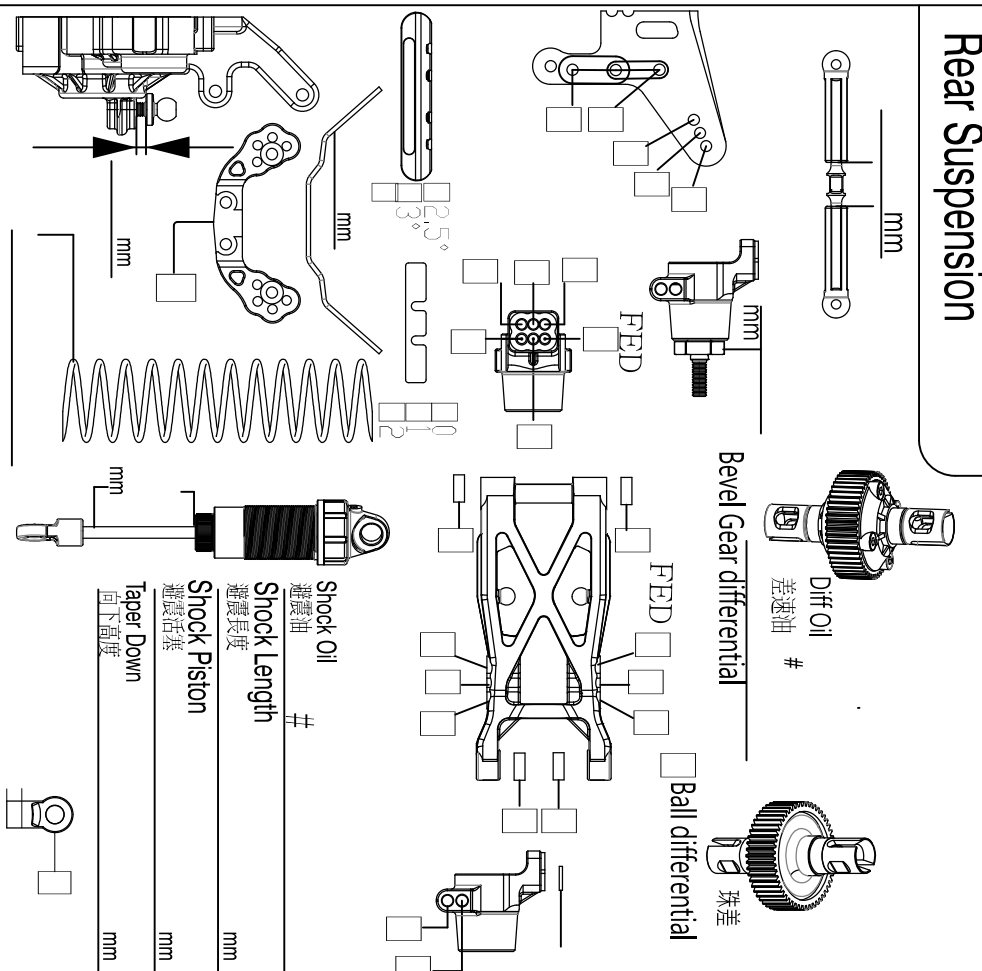
Track/City
跑道/城市

Event
活動

Front Suspension



Rear Suspension



Others

Ride Height
車子高度

ESC/Motor

Battery

Pinion/Spur

馬達齒/齒輪

Track Conditions

Weather
Temperature
氣候
溫度

Humidity
濕度

Size: 尺寸

☐ Open 開放

☐ Med 中

☐ Tight 小

☐ Low 低

☐ Bumpy 顛簸

Traction: 抓地力

☐ Hing 高

☐ Med 中

☐ Low 低

☐ Bumpy 顛簸

Surface: 表面

☐ Smooth 滑

☐ Med 中

☐ Bumpy 顛簸

Front

Tire 輪胎

wheel 輪框

Insets 內插縮

Front

Rear

Rear

Tire 輪胎

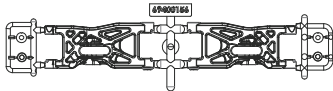
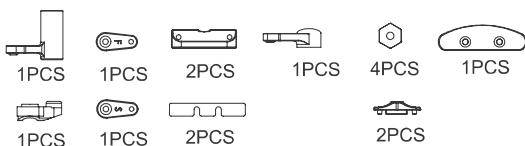
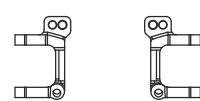
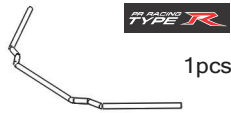
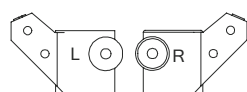
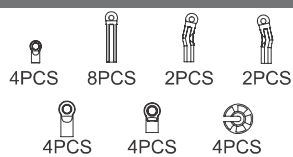
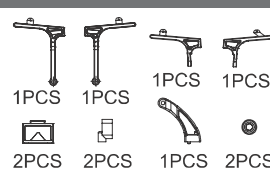
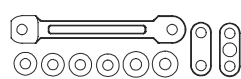
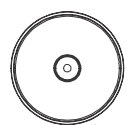
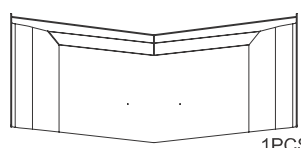
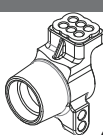
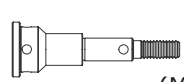
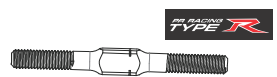
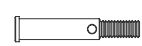
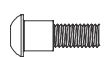
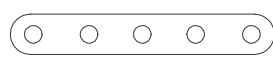
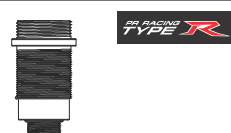
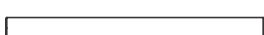
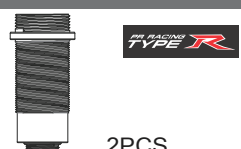
wheel 輪框

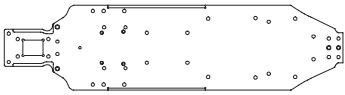
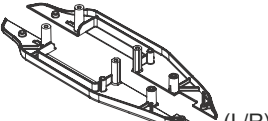
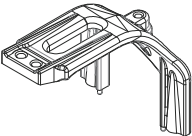
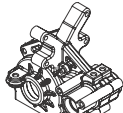
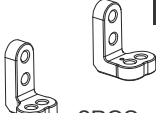
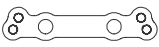
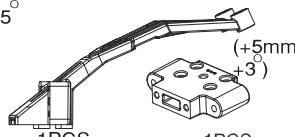
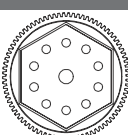
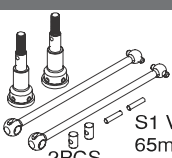
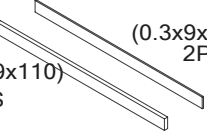
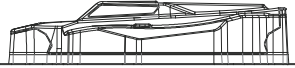
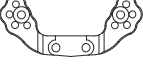
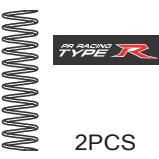
Insets 內插縮

Front

Rear



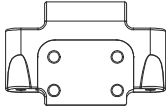
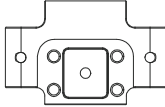
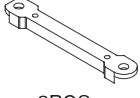
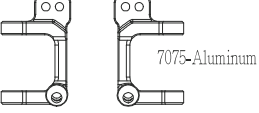
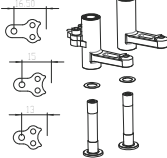
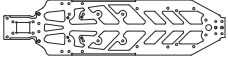
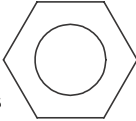
65400016  2pcs	66400036  1PCS 1PCS 2PCS 1PCS 4PCS 1PCS 1PCS 1PCS 2PCS 2PCS		66480326  7075-Aluminum (L/R 4°)
66430350  8pcs(15x1.2mm) 4pcs(M2.5x4mm)	66481356  1pcs PRSiv3 Sway Bar Set (1.2mm)	66402086  7075-Aluminum 2pcs(34T)	66480856  1PCS 1PCS
66430040  4pcs	66400066  4PCS 8PCS 2PCS 2PCS 4PCS 4PCS 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  7075-Aluminum 20T 1PCS Light weight
68400316  2pcs Rear Wheel	66481336  2pcs 4pcs(2.5x8mm)	85440110  5x8x0.1mm Washer 4PCS	66400286  1PCS
66480926  2pcs (7075-Aluminumcnc)	66480936  2pcs(cnc) 2pcs(M3X8mm)	67410266  2pcs (M5)	64013066  2pcs
66402256  1pcs	66480016  2pcs (Titanium cnc)	66481016  7075-Aluminum 2pcs	66401686  4pcs
66000020  1pcs	66480226  5x18 Light weight 2PCS	66402056  2pcs	66430336  2PCS
79400016  2x11 4PCS	79400026  3x30 2PCS	79400036  3x36.8 4PCS	66402476  2PCS

66402266  1PCS	71430080  1PCS Carb 2.5mm 	76500066  1PCS	71400416  1PCS 16.6g (RF)
68440070  (12mmx4.2mm) 2PCS	68440080  (12mmx5.2mm) 2PCS	83400020  M5 4PCS 7075-Aluminum	71400476  1PCS (carbon)
75530016  1PCS (carbon)	75530026  1PCS (carbon)	71000050  1PCS (L/R)	71400036  1PCS
71400056  1PCS (A/B)	66481176  2PCS	71400096  1PCS (RR-3°)	66400656  2PCS 43mm
71400046  1PCS	71400106  1PCS (For S1 V3)	67400106  1PCS 1PCS	66400666  2PCS 49.8mm
71400116  1PCS (81T)	71400126  2PCS S1 V3(FM) CVD 65mm M5 Set	71400136  2PCS (65mm)	99000010  2PCS (0.3x9x110) 2PCS (0.1x9x110)
66401586  8PCS red	71400386  1PCS	66480306  2PCS	98400046  6PCS
66480866  (M4.8x4.8mm)	66481226  1PCS 7075-Aluminum	02500096  2PCS	02500056  2PCS
66400756  6PCS	66400766  10PCS	66400776  2PCS	66400786  4PCS

2018 PRSIV3(FM)
2018 PRSIV3(FM) TYPE R

24

Option Parts

66402356	66480536	66480476	71000036
 7075-Aluminum Vented Slipper Plates	 (+5mm 7)lower swing arm mounts 66g (Brass)	 (+5mm 0)lower swing arm mounts 20g (aluminum)	 carbon 2PCS
66480396	71480016	83000020	71430070
 7075-Aluminum Mental C-hubs(0 degrees) Left & Right	 2PCS 65mm Light weight		 (carbon)3MM 1PCS
66481346			
 carbon 1mm 1PCS			

NOTE

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NOTE

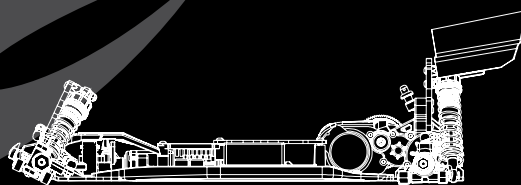
This image shows a full page of a handwriting practice worksheet. It consists of multiple rows of horizontal dashed lines spaced evenly down the page, providing a guide for letter height and placement. The background is plain white, and there are no other markings or text present.

PR5IV3(FM)

1/10 ELECTRIC 2WD RACING PRO KIT

2018 PR5IV3(FM)

PR RACING
TYPE **R**



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