



PR SIV3(FM)

1/10 ELECTRIC 2WD Off Road SPORT Kit

ITEM NO:71400436



Specifications

- Length: 411mm
- Width: 250mm
- Height: 145mm
- Wheelbase: 285mm
- Front track: 248mm
- Rear track: 250mm
- Sealed Gear Differential
- 3mm CNC Aluminium Chassis
- 3mm Carbon Fibre Shock Towers and 2.0mm Battery Strap
- Slipper assembly
- Laydown transmission optimised for medium to high grip
- 12mm Hex fit wheels



● BEFORE INSTALLATION	01
● BAG A	03-06
Chassis Guard Installation Servo Saver Steering Servo	
● BAG B	06-11
Front Upper Turnbuckle Assembly Turnbuckle Assembly-Steering Rod Front Spindle[Left Side] Front Spindle(Right Side) Rear Hud&Cva Rear Suspension	
● BAG C	12-16
Transmission Assembly Gear Differential Rear Shock Stay Rear Grar Box	
● BAG D	17-21
Shock Assembly Shock Spring Front Suspension Rear Suspension Motor Battery Plate Tires Body&Wheels&Antenna Tube	
● SETUP SHEET	22-23
● SPARE PARTS &OPTIONAL PARTS	24-27

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 Bodies
- 1/10 Buggy Tires, inserts and CA Adhesive
- Silicon gear diff oil

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.



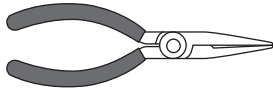
Apply oil.

- 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 screw are extras.

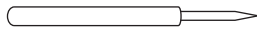
TOOLS REQUIRED

CAUTION: Handle tools carefully!

- Needle Nose Pliers



- Awl



- Sharp Hobby Knife



- Grease



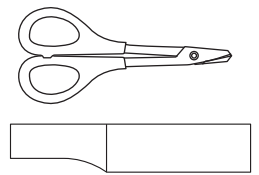
- Wire Cutters



- Screw Cement

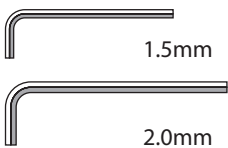


- Round Cutter & Sander



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

- Hex Wrench



- Silicone Shock Oil

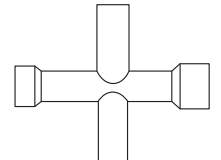


- SP Knife Edge Reamer



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

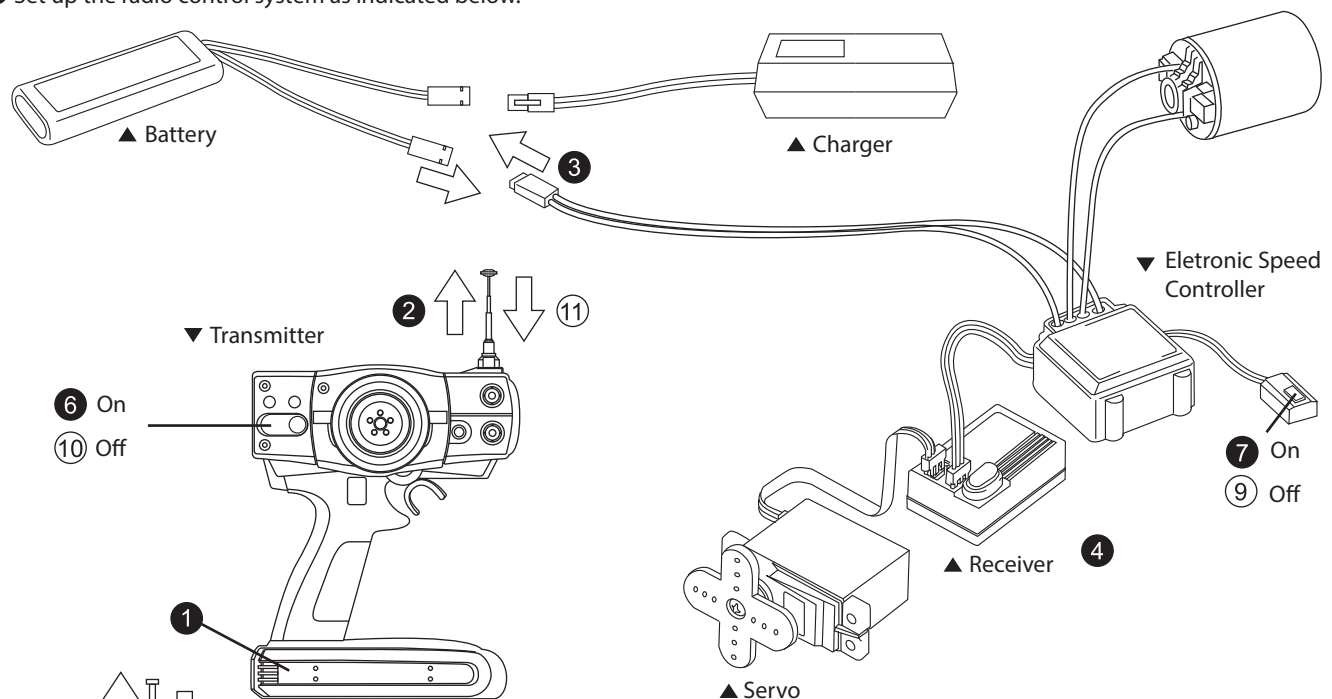
- Cross Wrench



- 5mm-5.5mm-7.0mm

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.

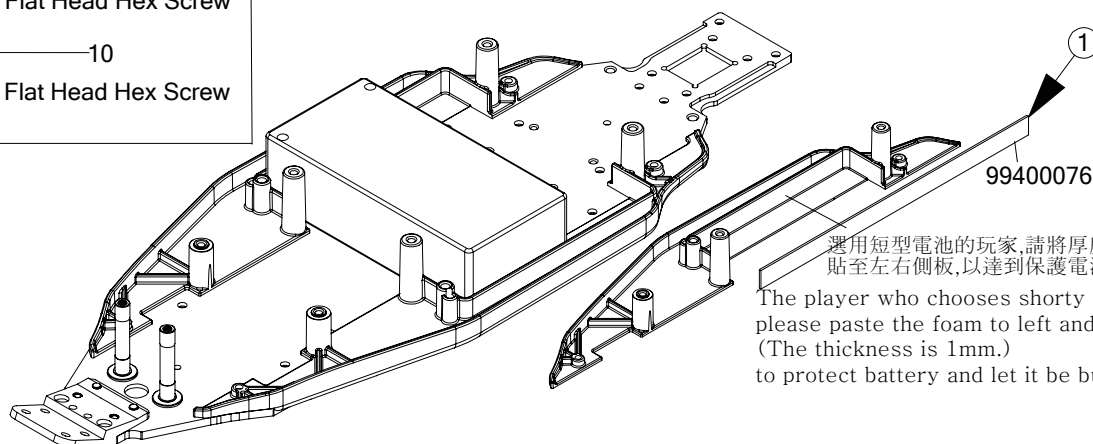
FINISH

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

BAG
A

A1 Chassis Guard Installation

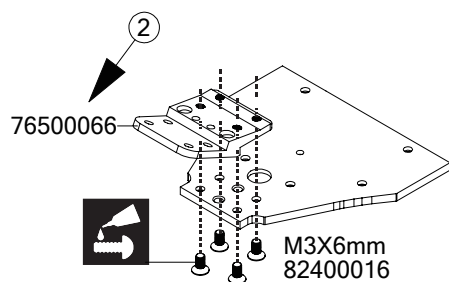
- 8
M3X6mm Flat Head Hex Screw
- 10
M3X8mm Flat Head Hex Screw



選用短型電池的玩家,請將厚度1-3mm的海綿貼至左右側板,以達到保護電池的緩衝與固定。

The player who chooses shorty battery, please paste the foam to left and right mud guard (The thickness is 1mm.)

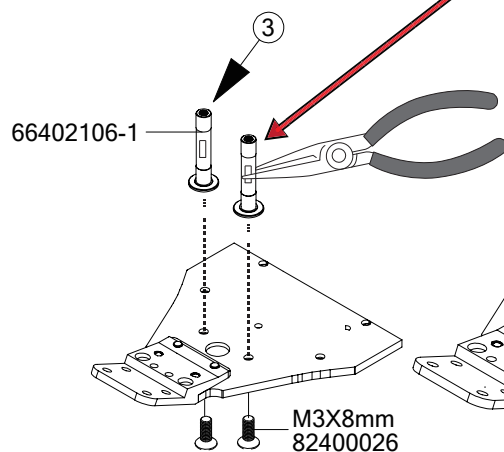
to protect battery and let it be buffering and firm.



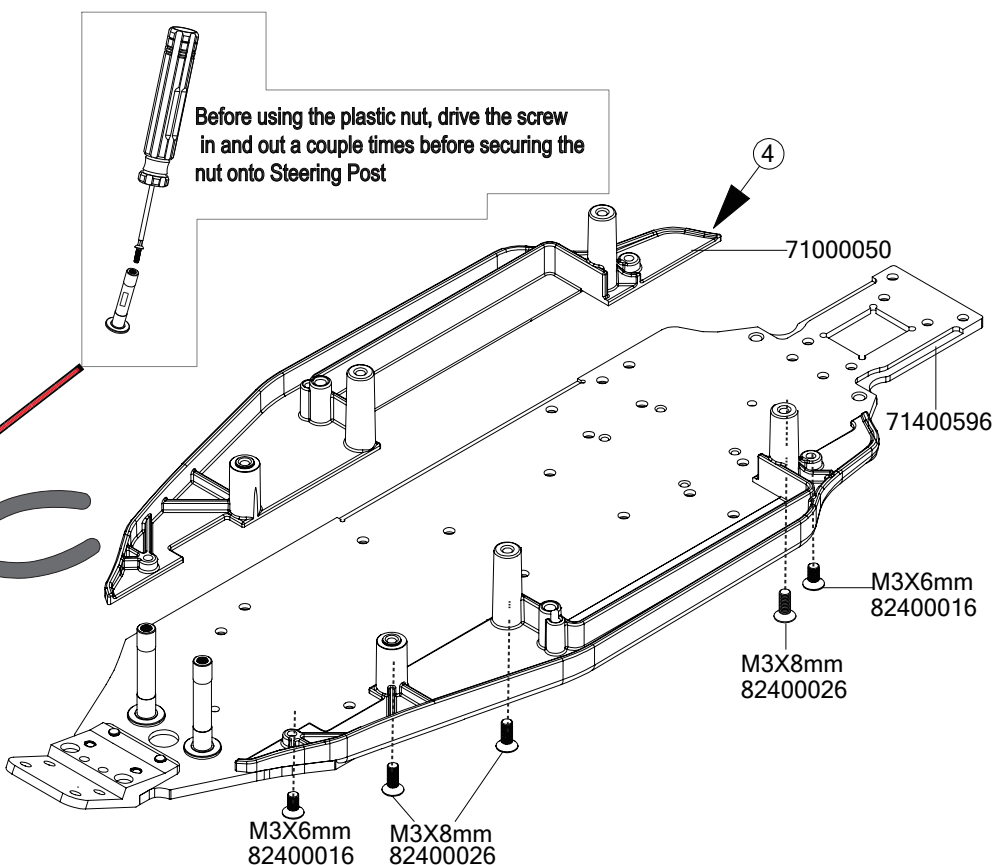
M3X6mm
82400016



Before using the plastic nut, drive the screw in and out a couple times before securing the nut onto Steering Post



M3X8mm
82400026



M3X8mm
82400026

M3X6mm
82400016

M3X8mm
82400026

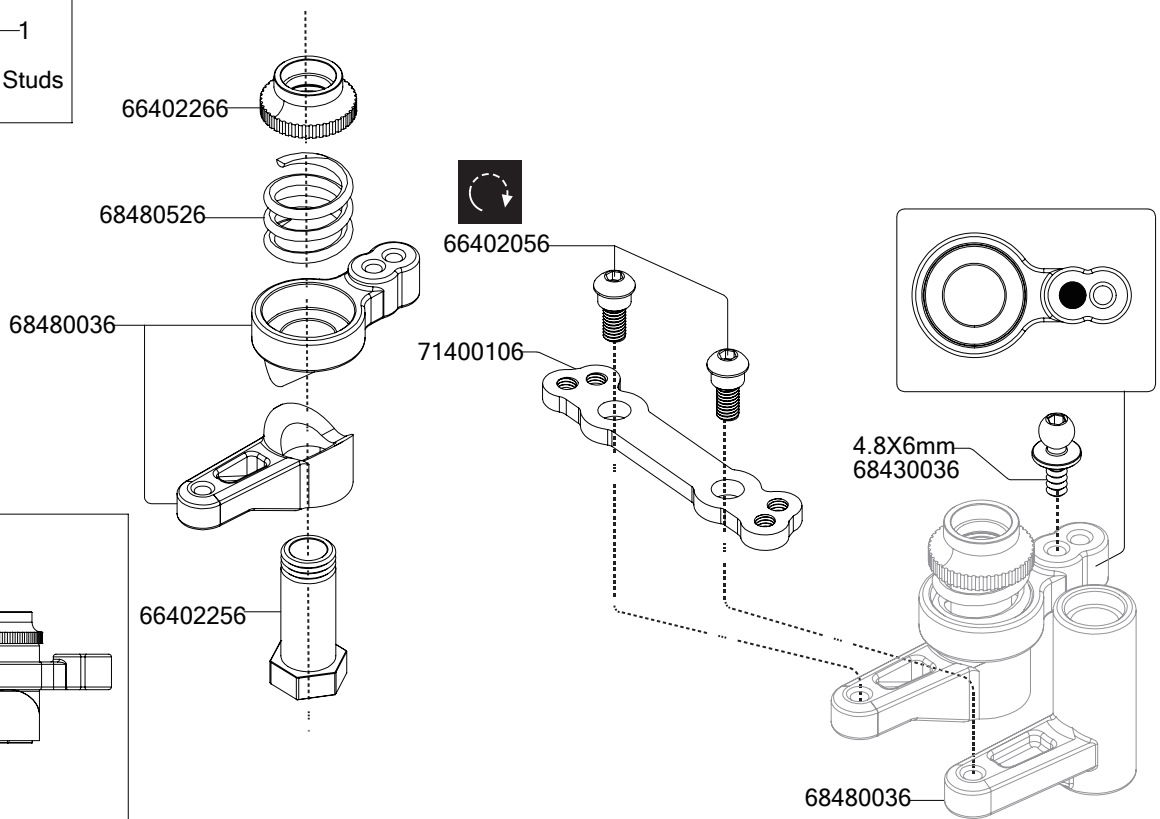
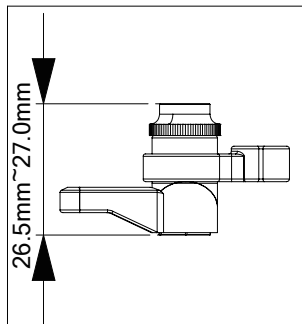
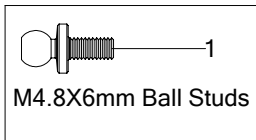
03



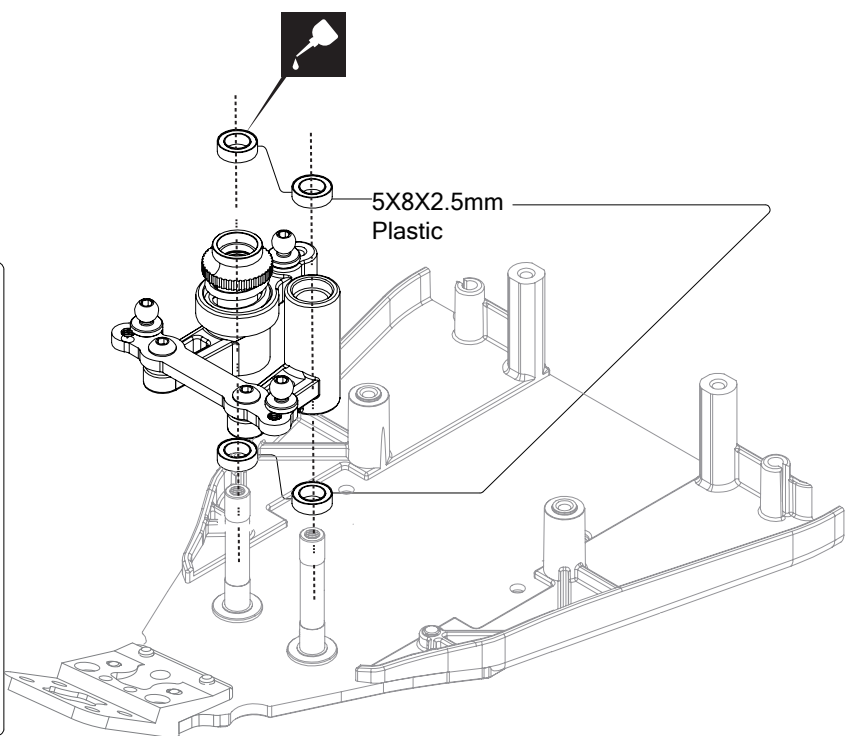
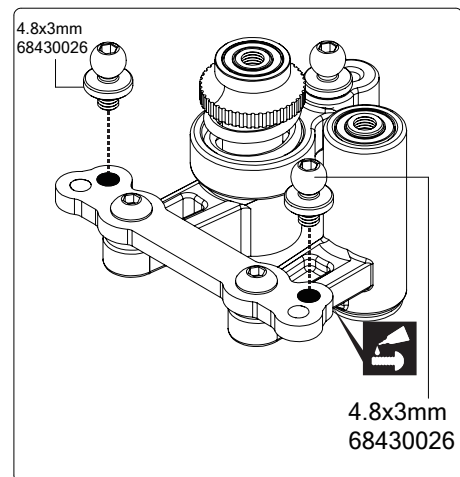
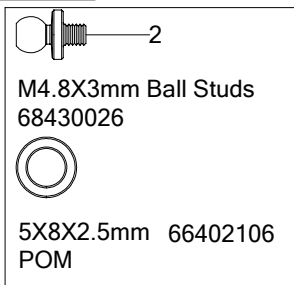
Part Bags used.  Assemble left and right sides the same way.



A2 Sewvo Saver



A3 Servo saver



Part Bags used.



Do not over tighten.



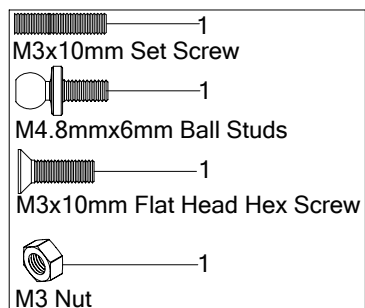
Apply threadlocker (screw cement)



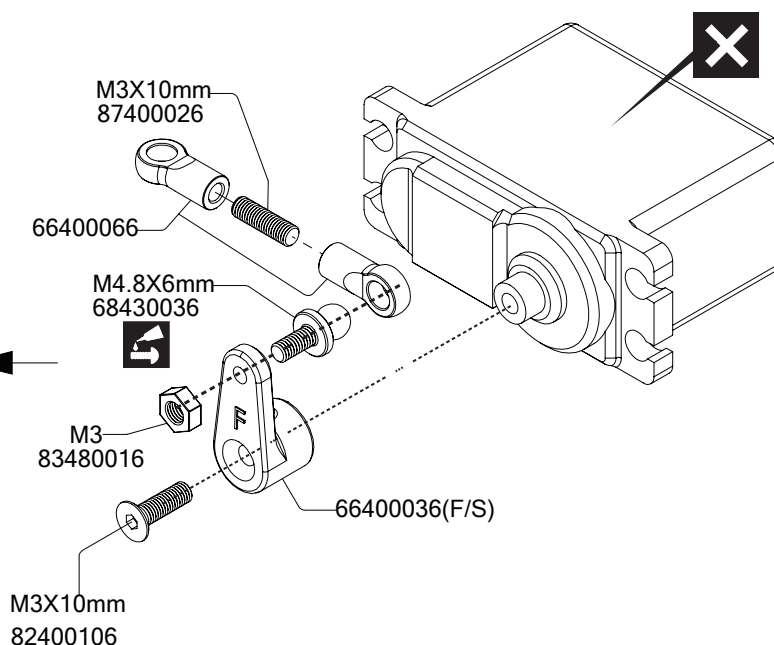
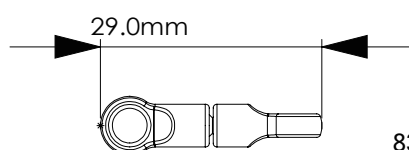
Apply oil.



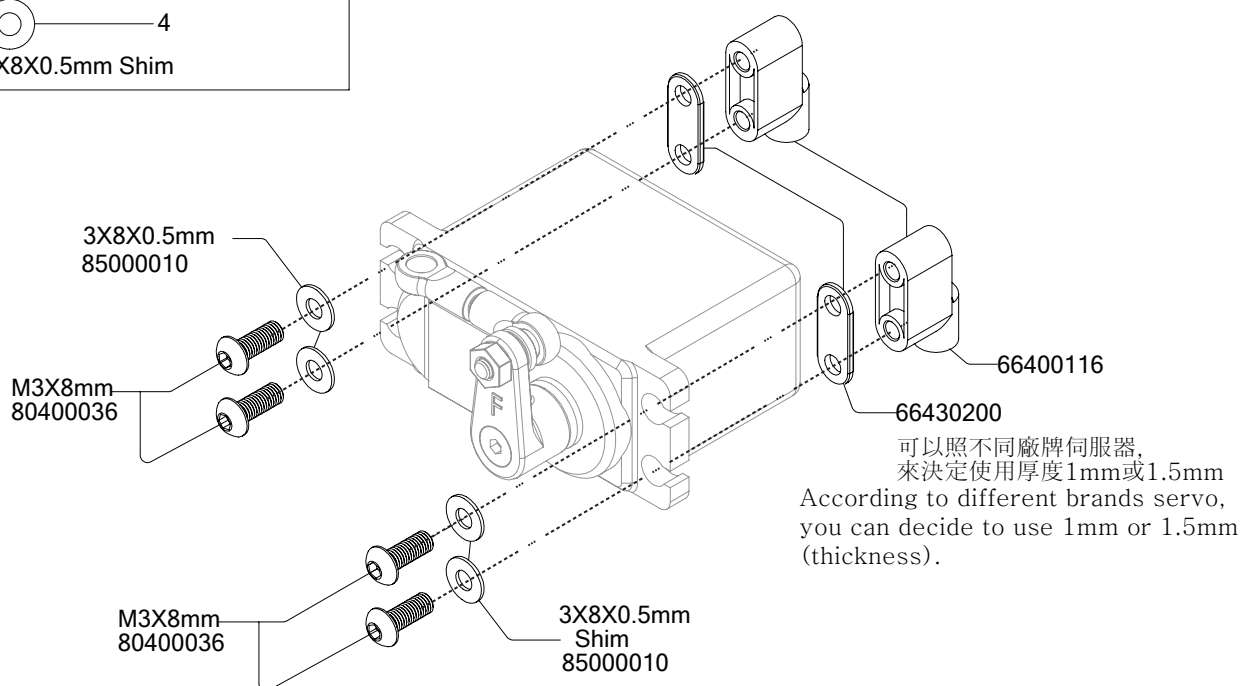
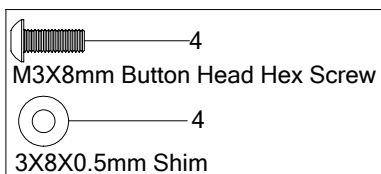
A4 Steering Servo



1:1

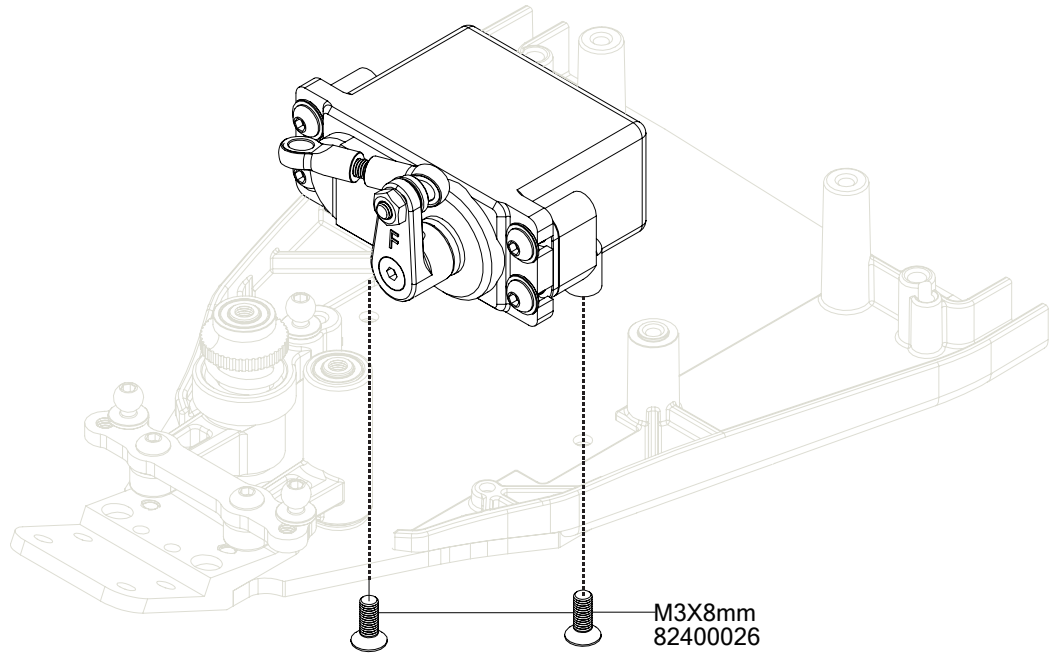
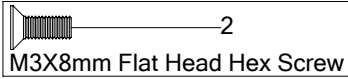


A5 Steering Servo

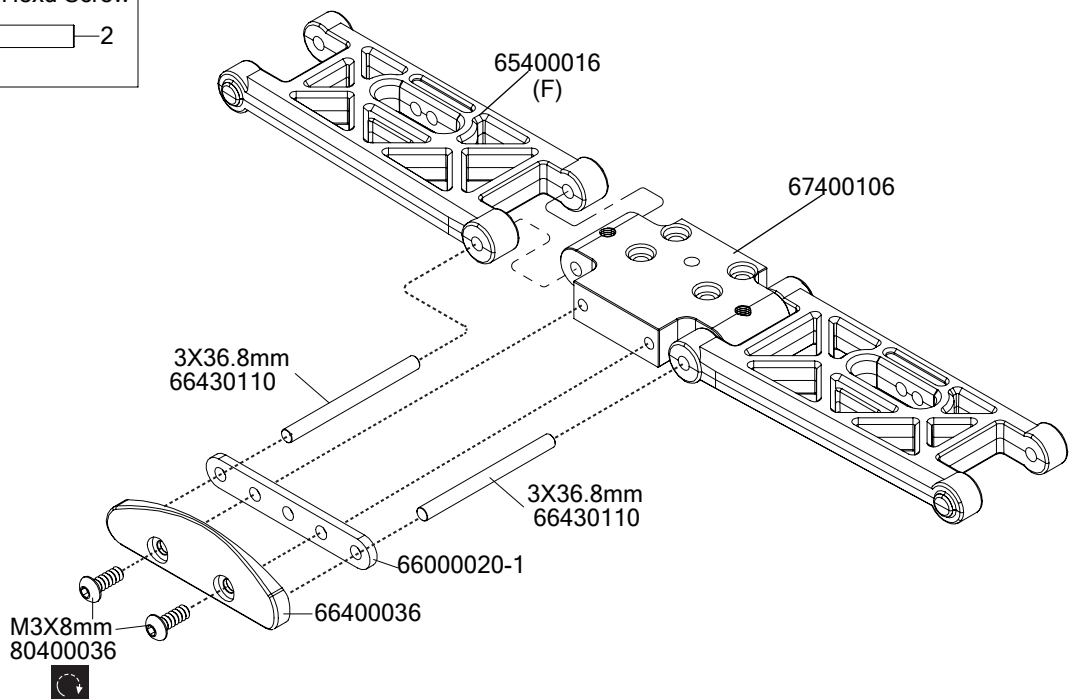
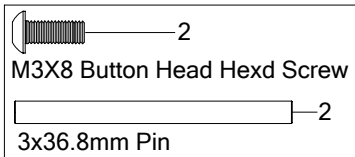




A6 Steering Servo



B1 Front Suspension



Part Bags used.



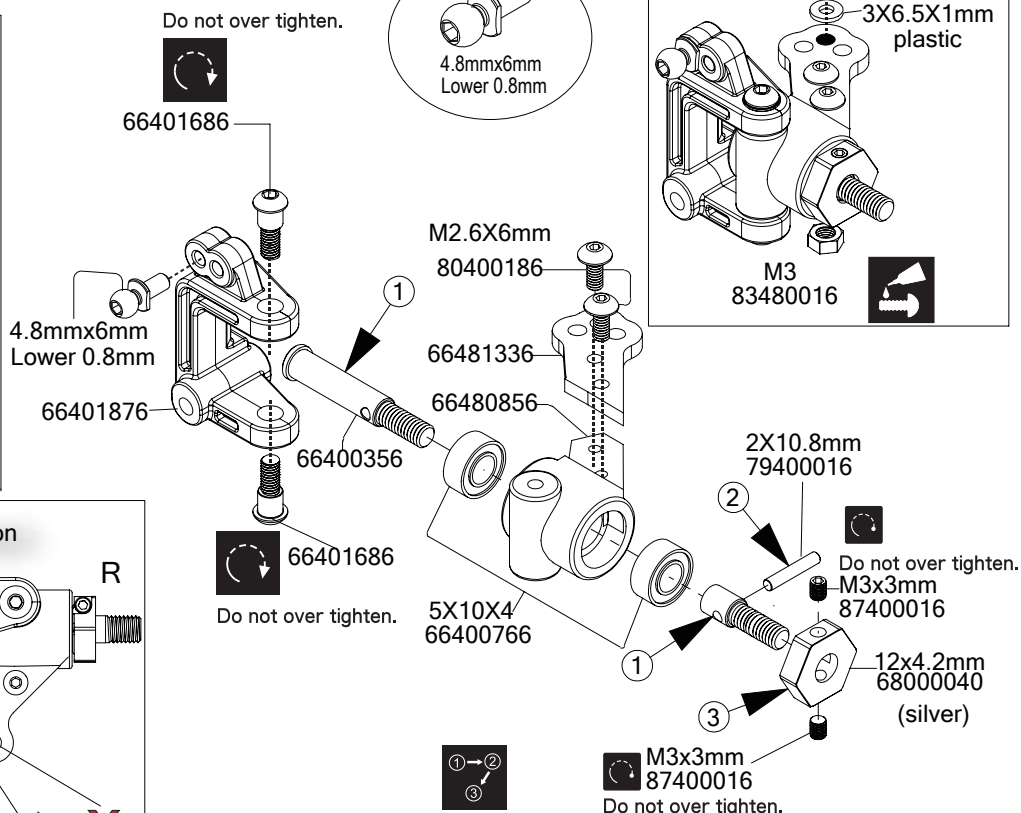
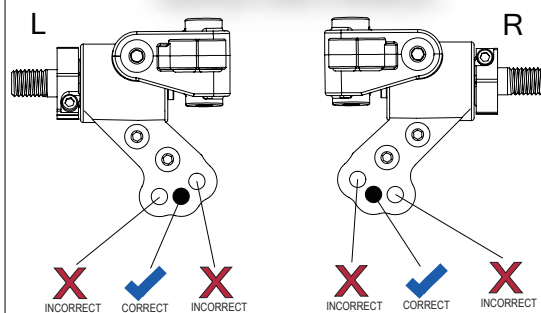
Do not over tighten.



B2 Front Spindle[Left Side]

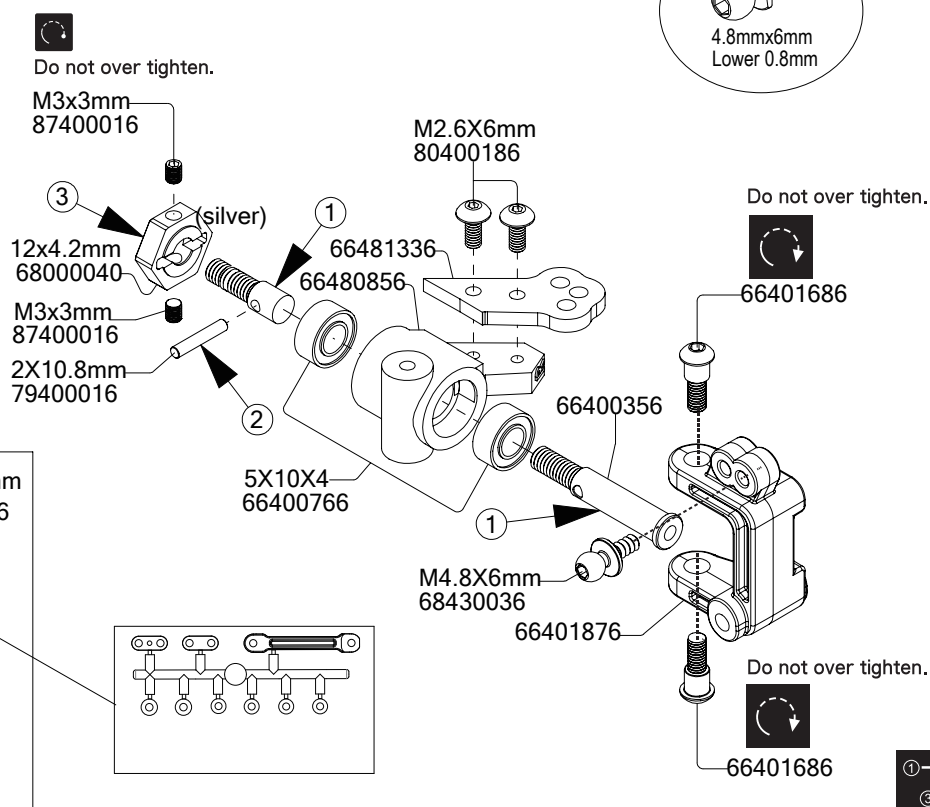
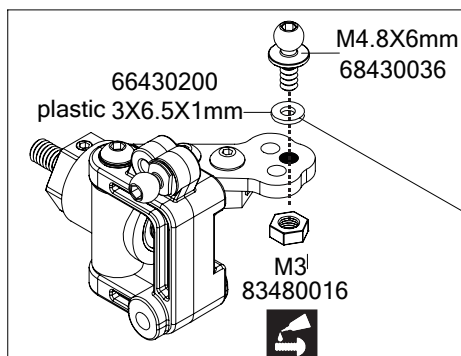
- 2
M2.6X6mm Button Head Hex Screw
- 2
M3X3mm Set Screw
- 1
68430086 (Lower 0.8mm)
M4.8mmx6mm Ball Studs
- 1
M4.8X6mm Ball Studs
- 1
M3 Nut

Steering Plates installation



B3 Front Spindle(Right Side)

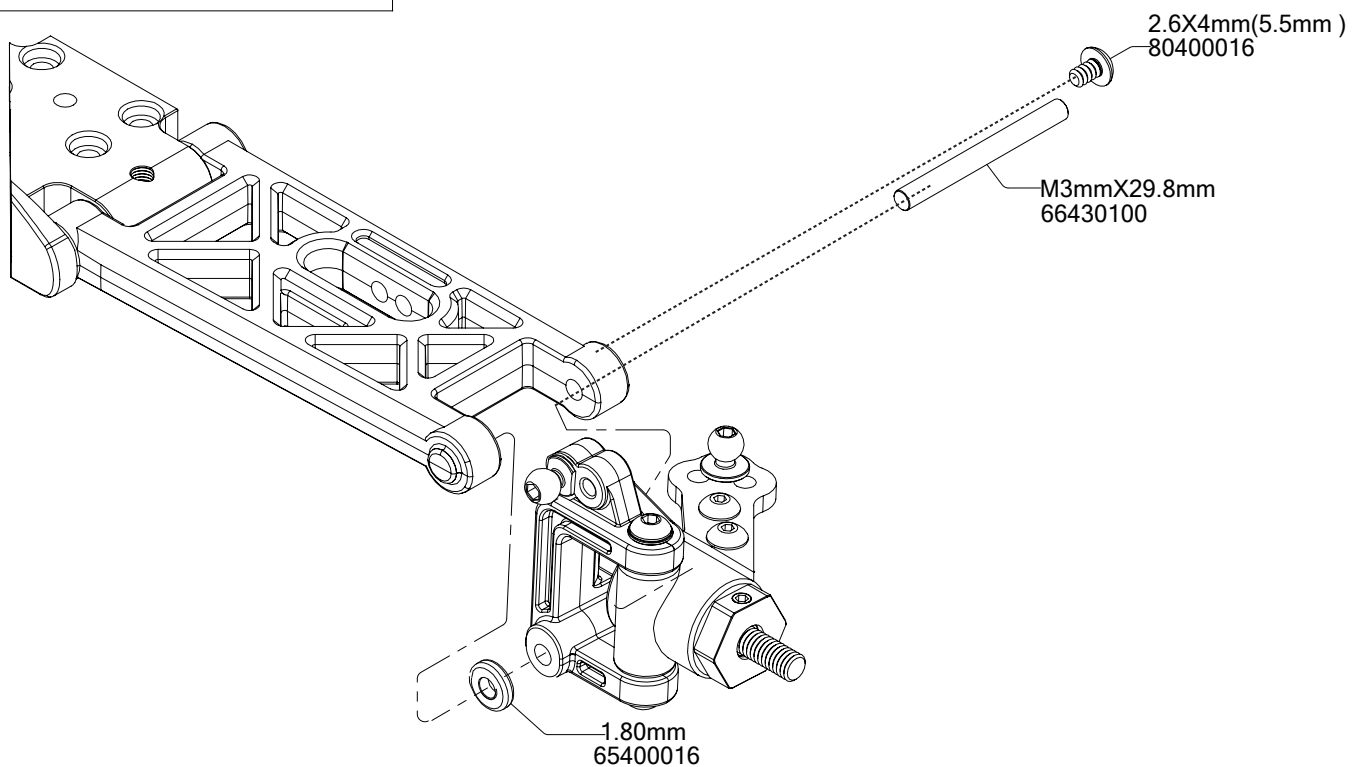
- 2
M2.6X6mm Button Head Hex Screw
- 2
M3X3mm Set Screw
- 1
68430086 (Lower 0.8mm)
M4.8mmx6mm Ball Studs
- 1
M4.8X6mm Ball Studs
- 1
M3 Nut





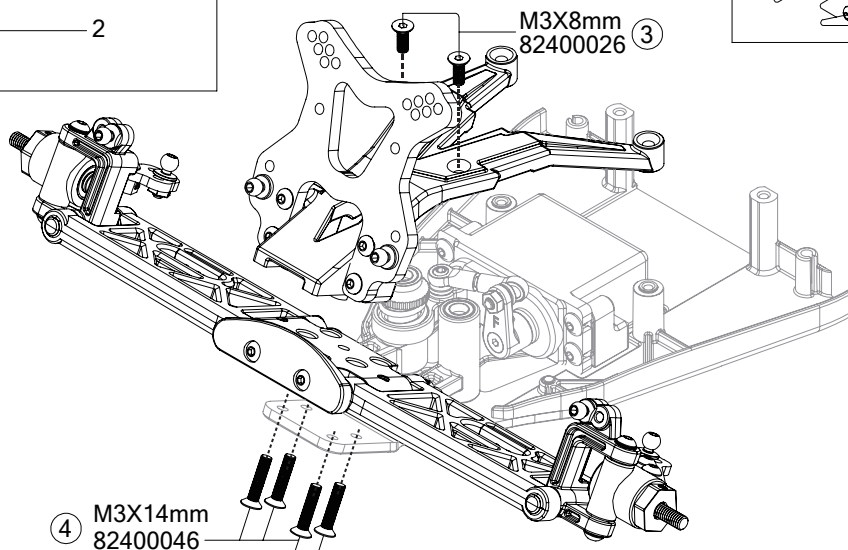
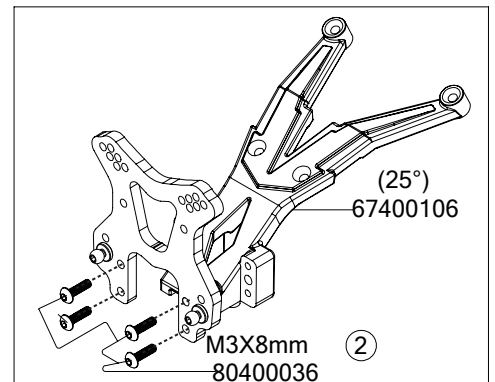
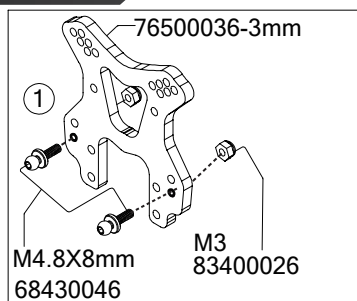
B4 Front Suspension(L&R)

- 2
M2.6X4mm Button Head Hex Screw



B5 Front Shock Stay

- 4
M3X8mm Button Head Hex Screw
- 2
M3X8mm Flat Head Hex Screw
- 4
M3X14mm Flat Head Hex Screw
- 2
M4.8X8mm Ball Studs
- 2
M3 Lock Nut



Part Bags used.



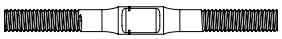
Assemble in the specified order

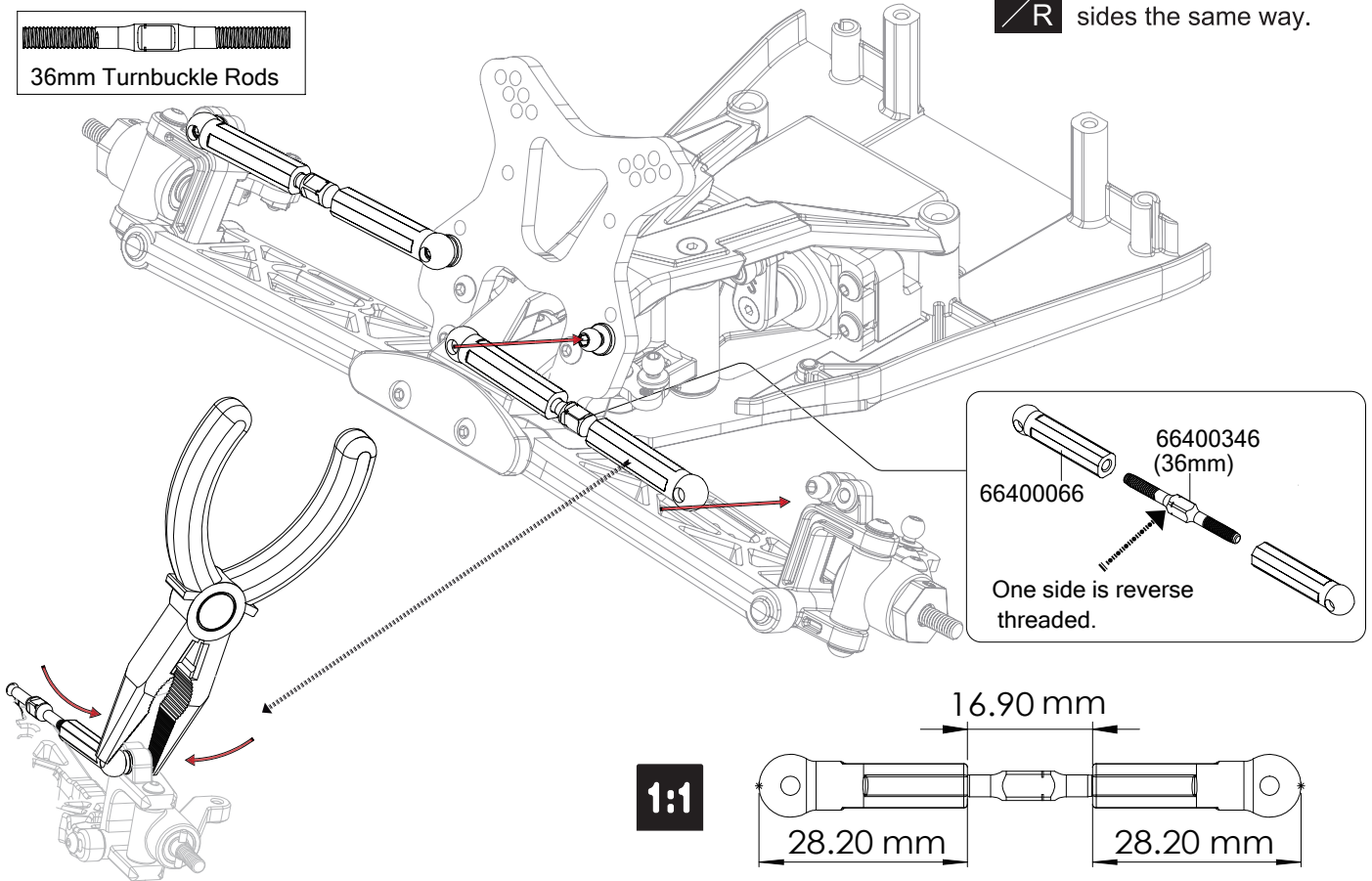


BAG
B

B6 Front Upper Turnbuckle Assembly

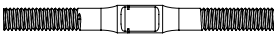
L/R Assemble left and right sides the same way.

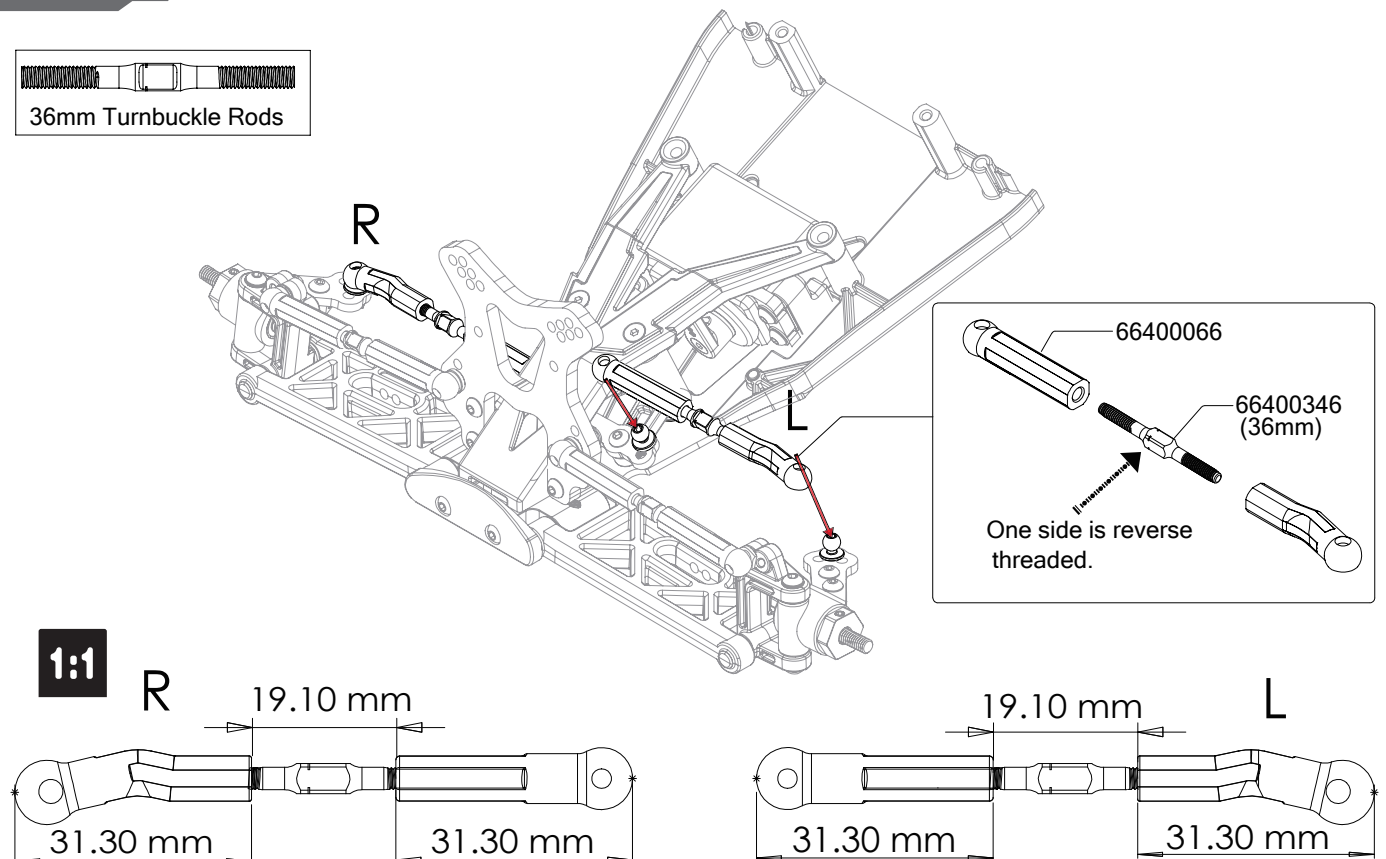

36mm Turnbuckle Rods



BAG
B

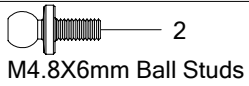
B7 Turnbuckle Assembly-Steering Rod


36mm Turnbuckle Rods

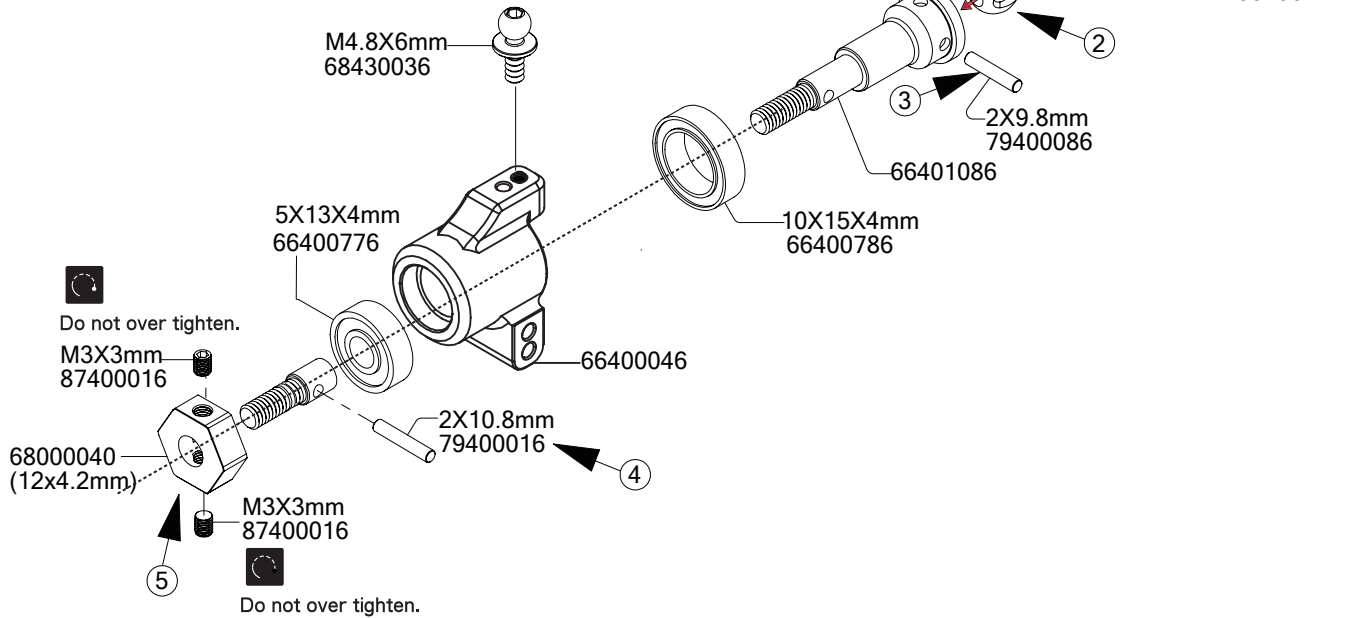




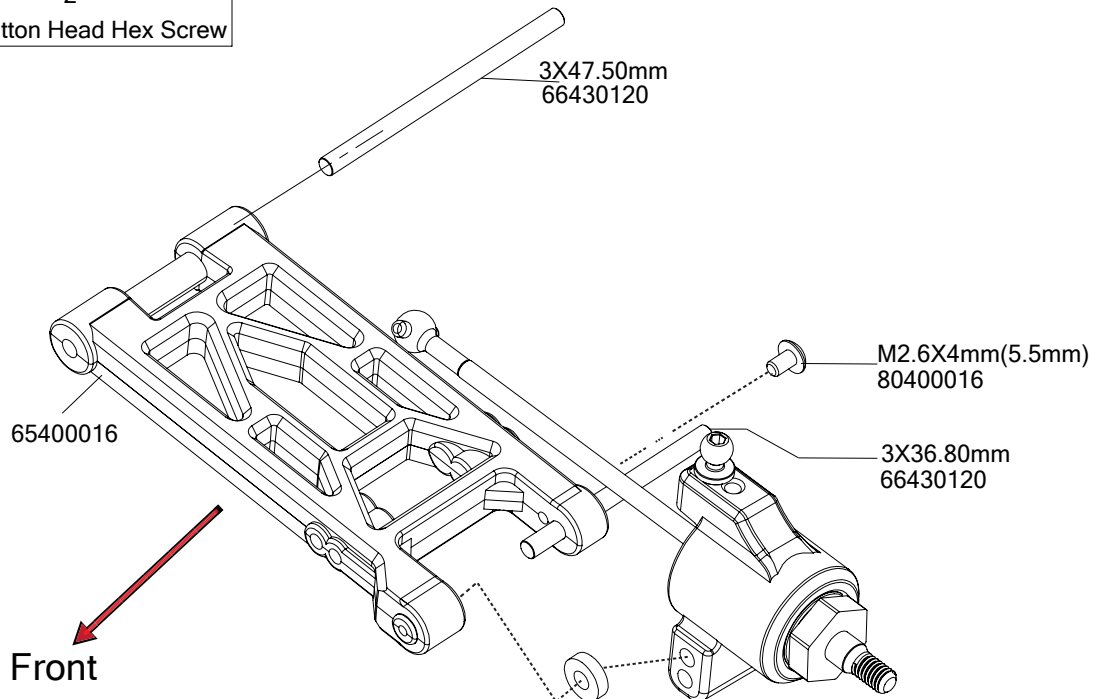
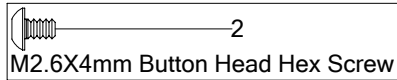
B8 Rear Hud&Cv.



OP
19460016
High Pressure Grease



B9 Rear Hud (L&R)



Part Bags used. Assemble left and right sides the same way.



Do not over tighten.



Assemble in the specified order

BAG
B

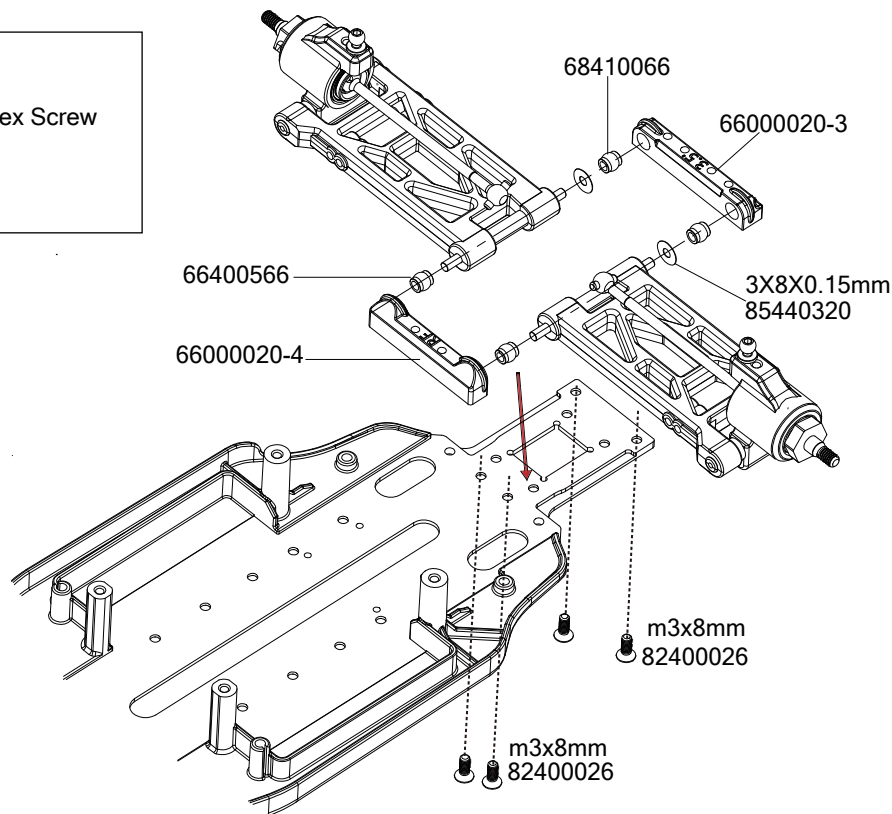
B10 Rear Suspension



M3X8mm Flat Head Hex Screw



Shim - 3X8X0.15mm

BAG
C

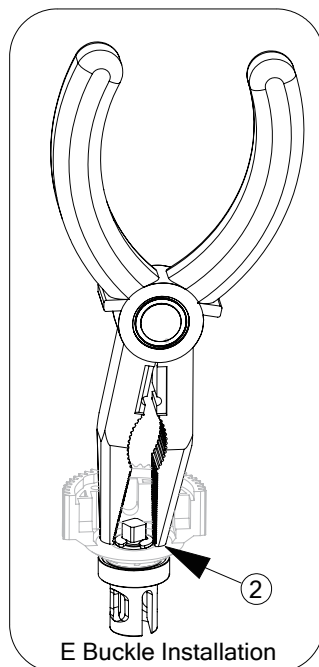
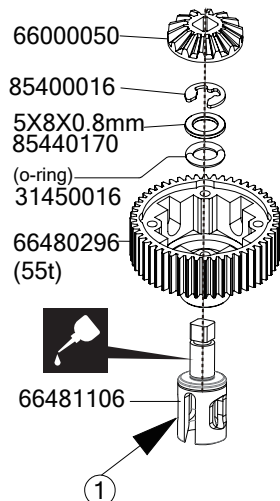
C1 Gear Differential

M2.6X8mm
Flat Head Hex Screw

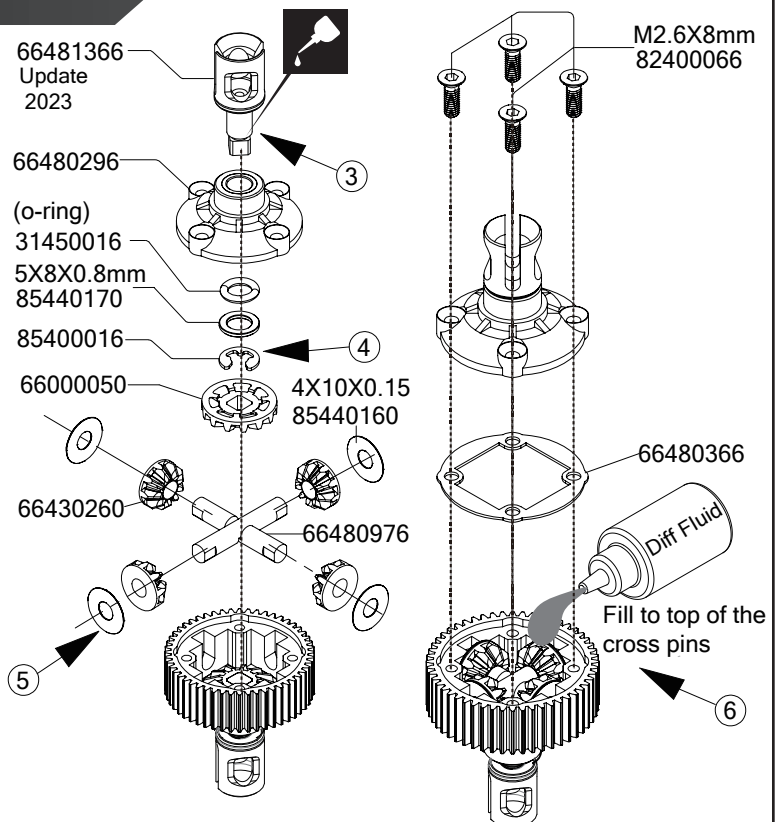
5X8X0.8mm Washer



Shim 4X10X0.15mm



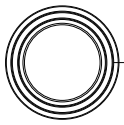
E Buckle Installation



Low Traction 5000cst
 Medium High Traction 7000cst
 Super High Traction 10000cst



C2 Transmission Assembly



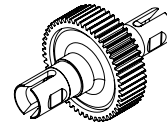
89430030
10x15x4mm Ball Bearing



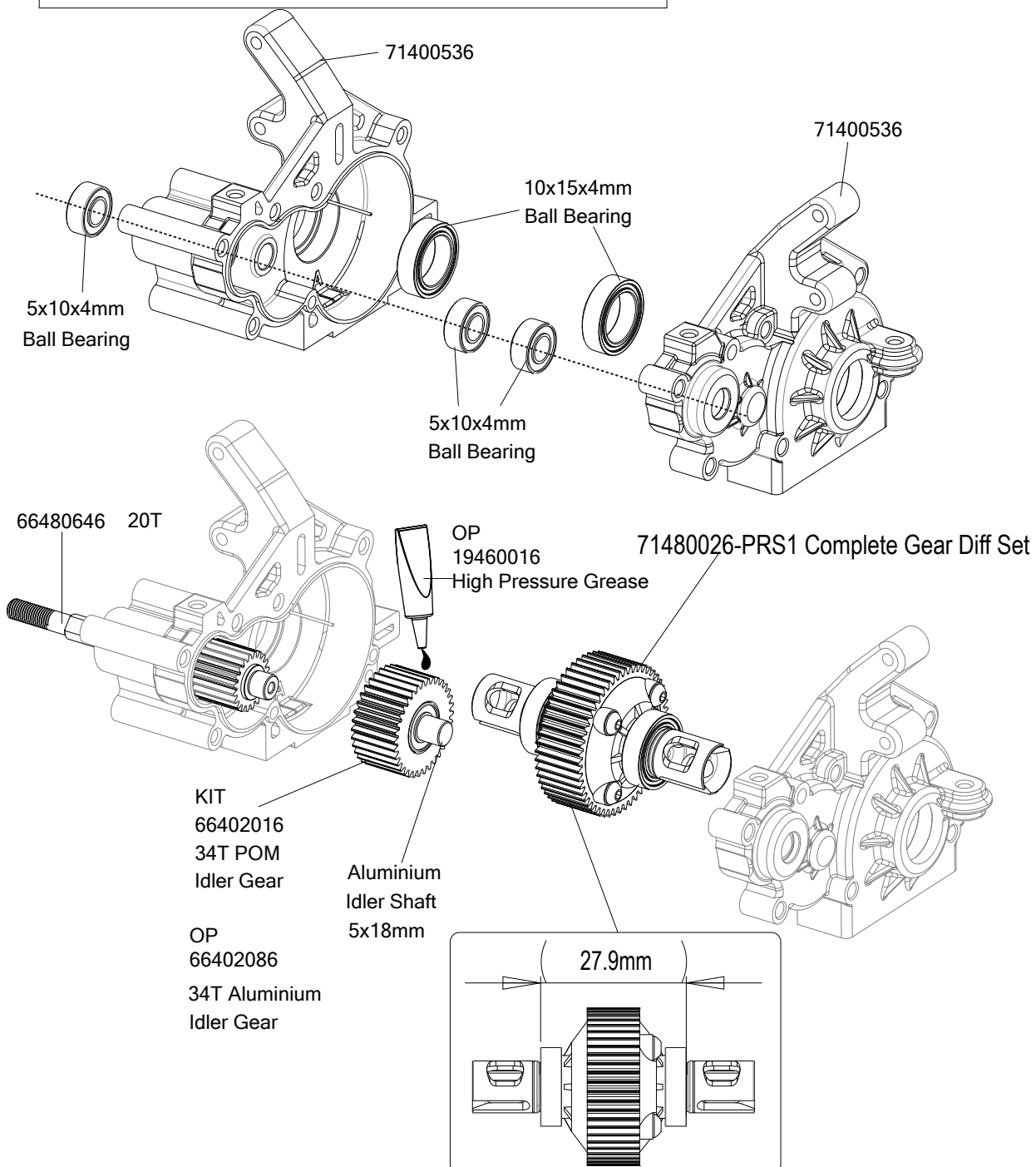
66480236-5x18mm
Aluminium Idler Shaft (silver)



89430010
5x10x4mm Ball Bearing



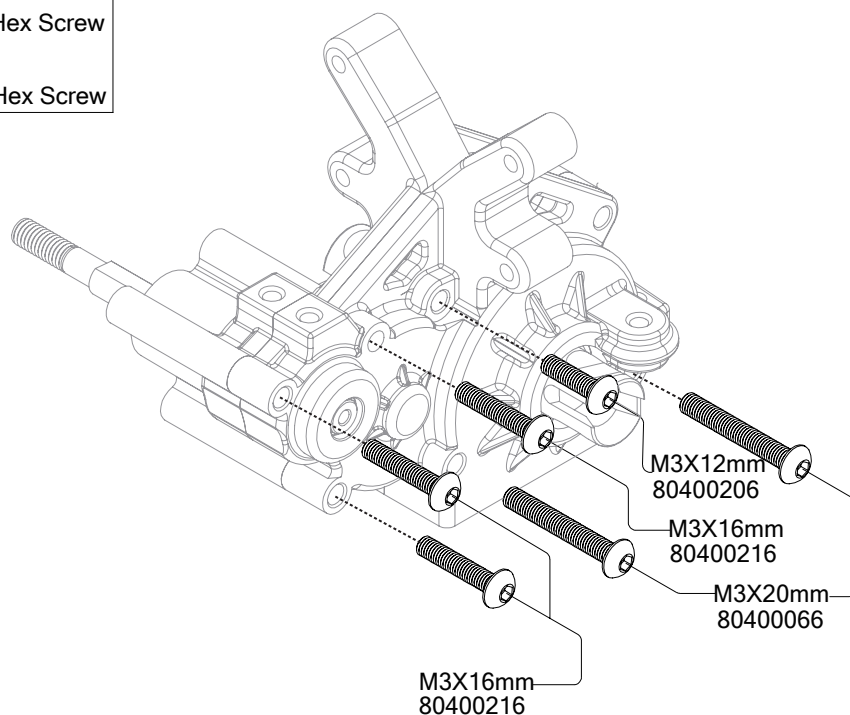
OP
66402686-S1 Ball Diff
Outdrive Set +1.3mm





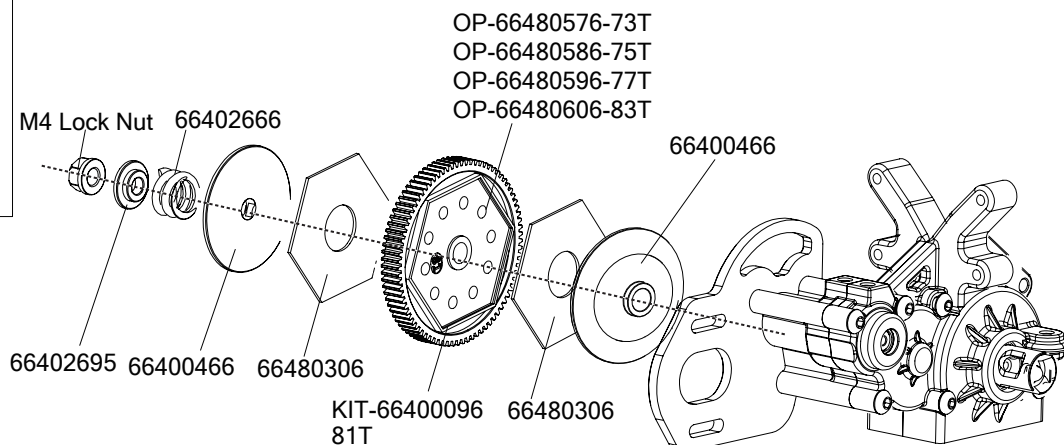
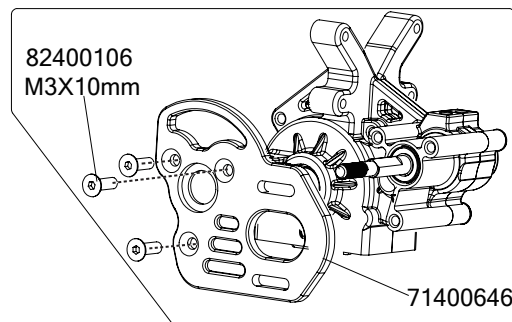
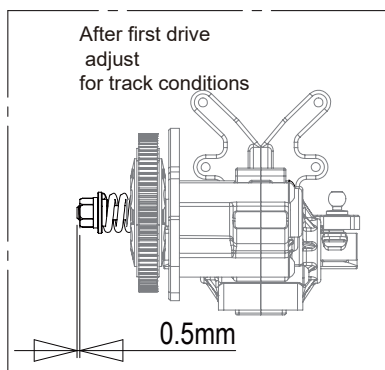
C3 Transmission Assembly

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



C4 Transmission Assembly

- 3
M3X10mm 82400106
Flat Head Hex Screw
- 1
M4 Lock Nut 83400036
- 1
S1 support piece
- 1
S1 Slipper Spring



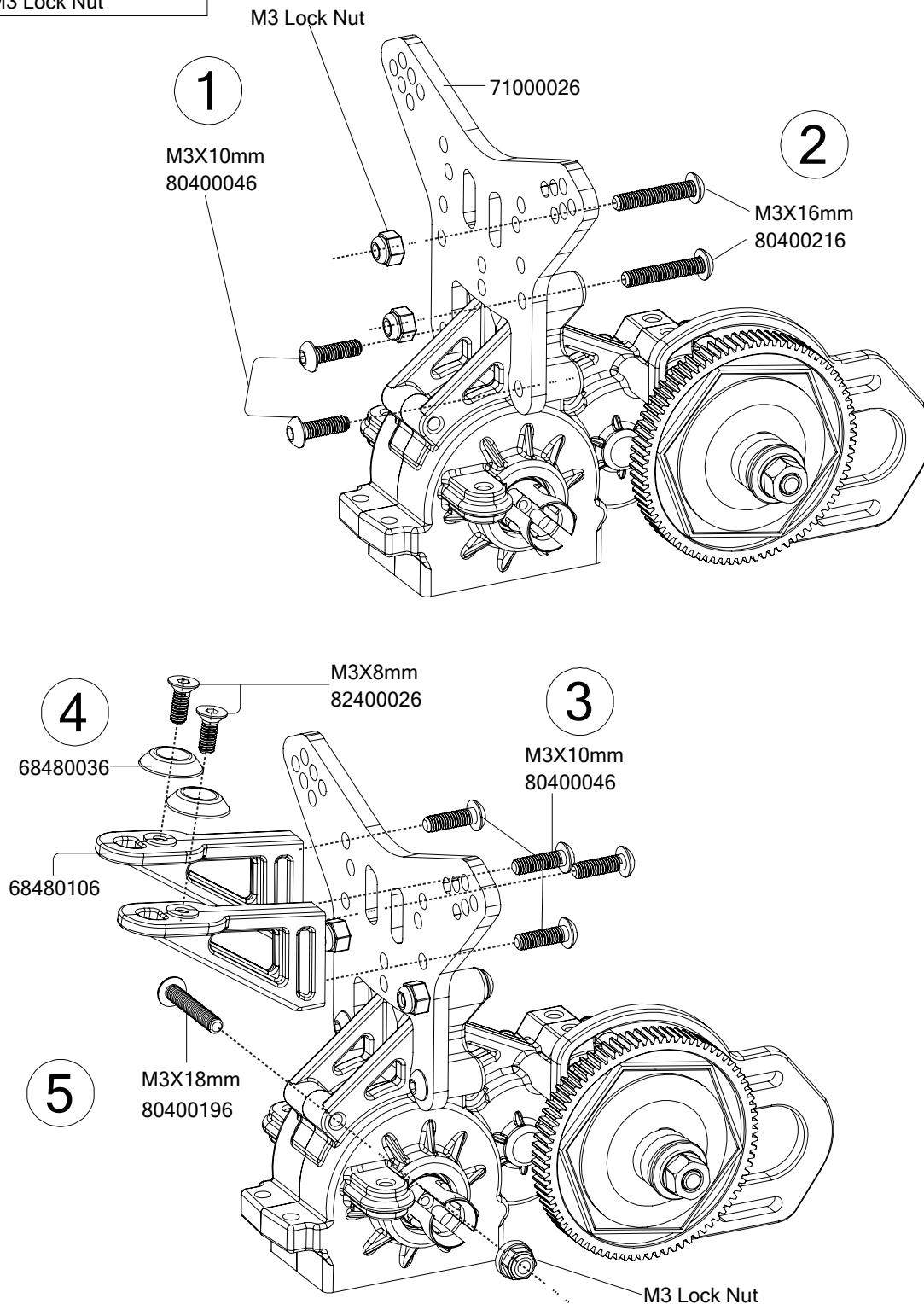
Assembly Video





C5 Rear Shock Stay

- 6
M3X10mm Button Head Hex Screw
- 1
M3X18mm
- 2
M3X8mm Flat Head Hex Screw
- 3
83400106-M3 Lock Nut



Part Bags used.



Assemble in the specified order



C6 Rear Gear Box

- 4
M3X8mm Flat Head Hex Screw
- 2
M3X10mm Button Head Hex Screw

M3X10mm
80400046

M3X8mm
82400026

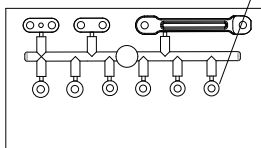


C7 Rear Suspension

- 2
M4.8X8mm Ball Studs

M4.8X8mm
68430046

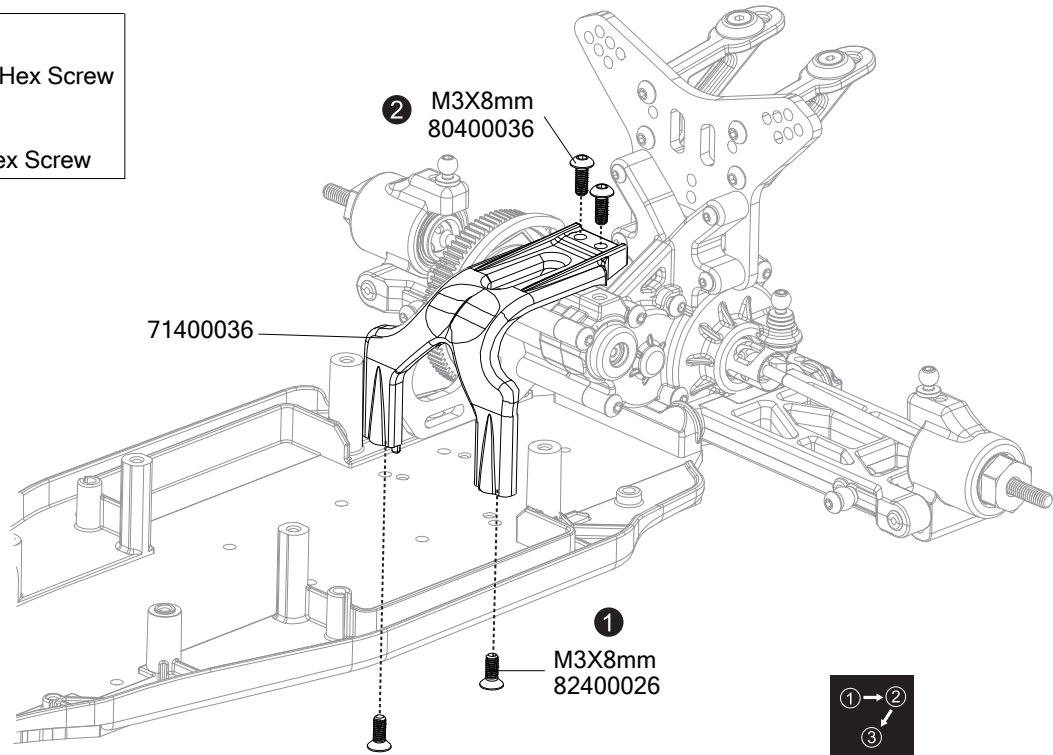
POM
3X6.6X1mm
66430200
(BAG-A)



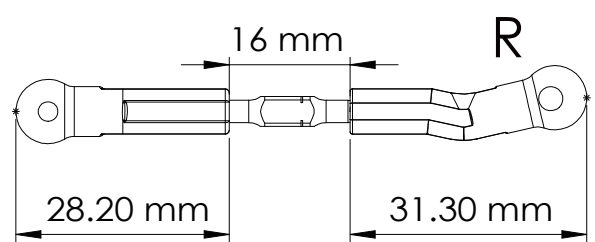
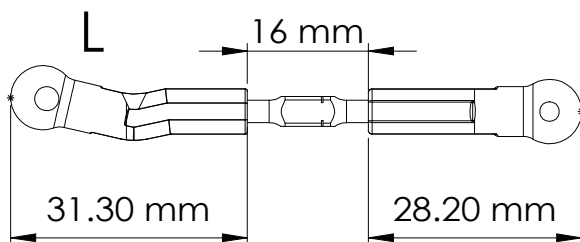
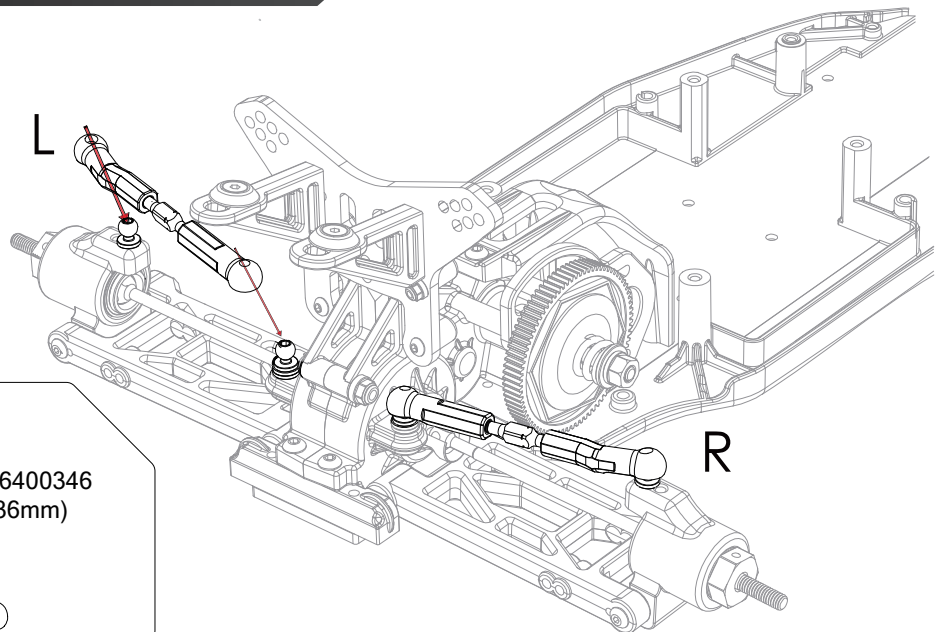
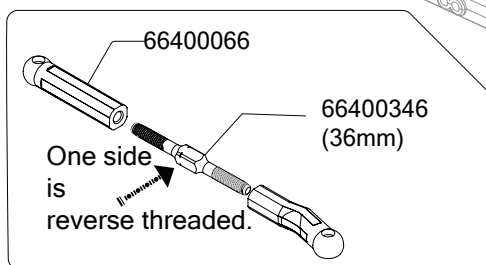
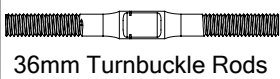


C8 Rear Grar Box

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



C9 Rear Suspension.



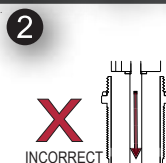
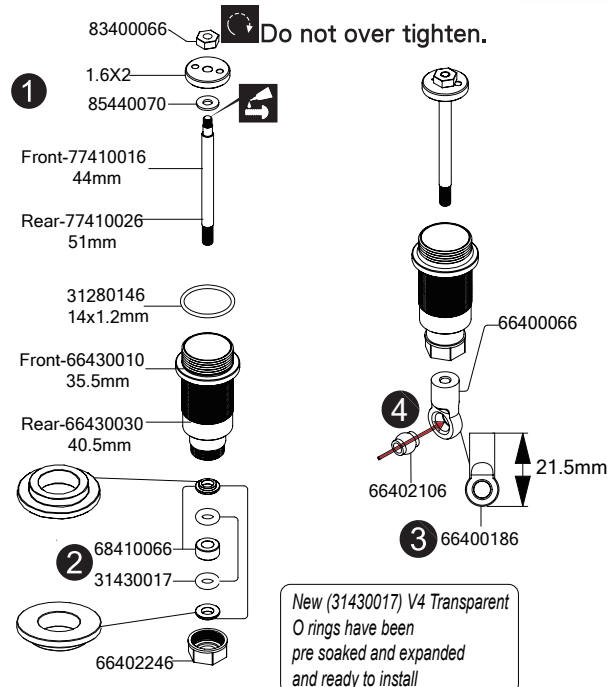
Part Bags used.



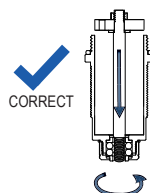
Note the direction.



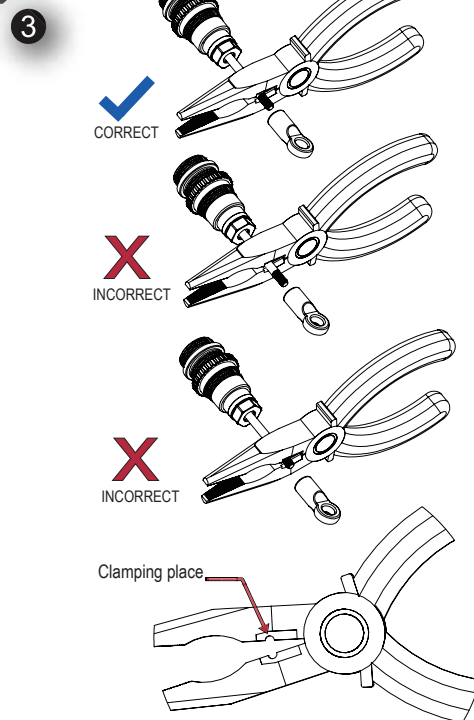
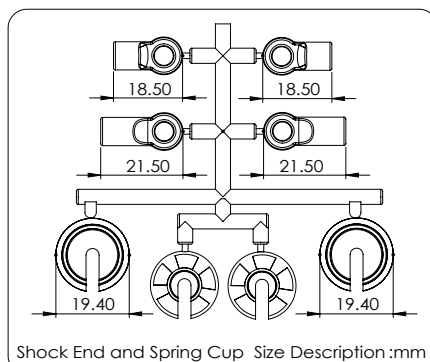
Assemble in the specified order.

**D1 Shock Assembly** Front Shocks x2 Rear Shocks x2**EXTREMELY IMPORTANT**

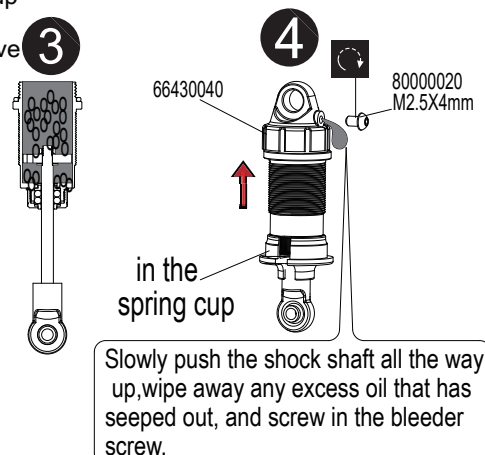
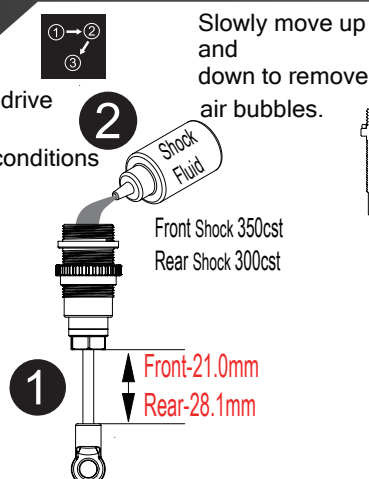
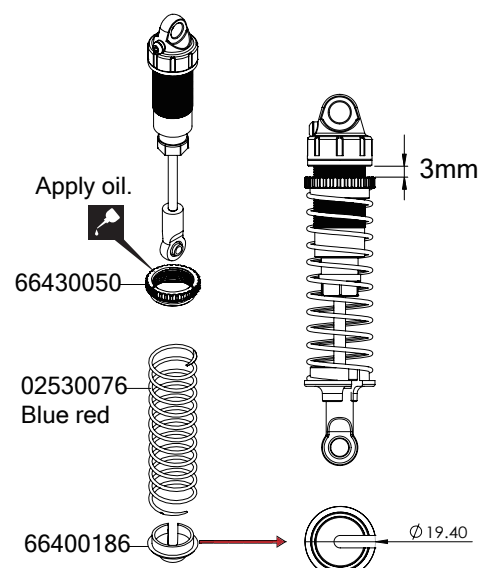
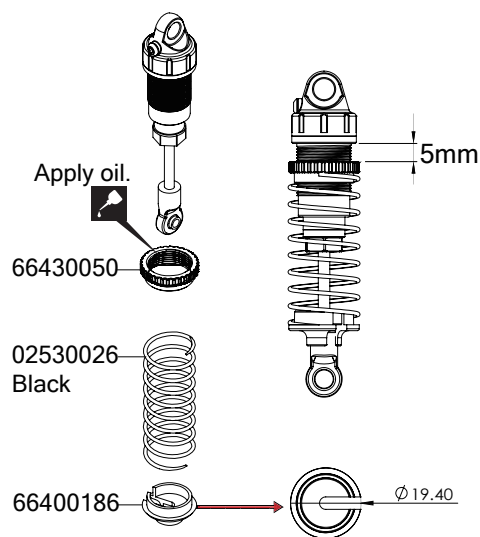
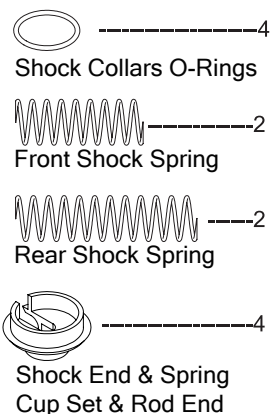
Do not push the shock rod straight through the lower shock body assembly; O-ring damage may result.



Twist the shock rod through the lower shock body assembly.

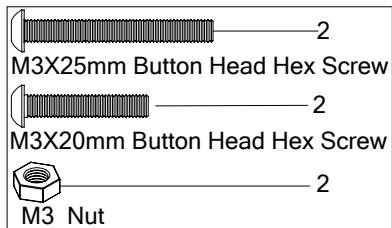
**D2 Shock Assembly**

After first drive
adjust
for track conditions

**D3 Shock Spring**



D4 Front Suspension

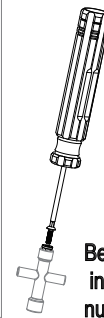


68410066

68410066

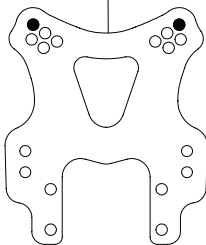
69440010

83480016

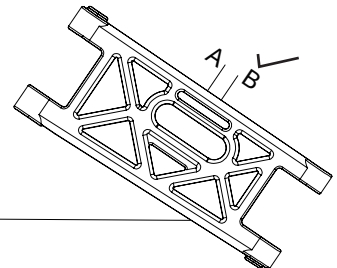


Before using the plastic nut, drive the screw in and out a couple times before securing the nut onto the shock seat.

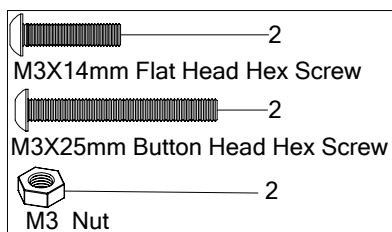
M3X25mm
80400076



Do not over tighten.
M3X18mm
80400196
Lock into hole B



D5 Rear Suspension



69440010

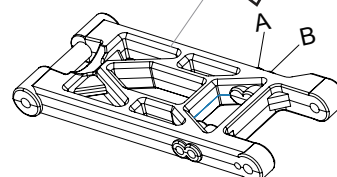
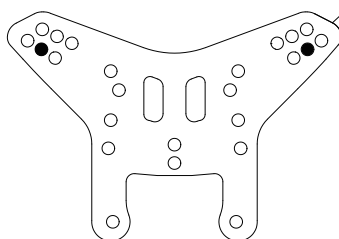
83480016

M3X25mm
80400076

68410066

68410066
Do not over tighten.

Lock into hole A
M3X14mm
80400056
Do not over tighten.



Part Bags used.



Do not over tighten.



D6 Motor



2

M3X6&8mm Button Hwad Hex Screw



2

Shim-3X8mm



Must be purchased separately

M3X8mm
80400036

or

M3X6mm
80400026

3X8mm



Must be purchased separately.



D7 BATTERY Plate



2

M3X8mm Flat Head Hex Screw



2

M3X16mm Button Head Hex Screw



2

M3X12mm



2

82400046

M3X14mm Flat Head Screws

M3X16mm
80400216M3X12mm
80400156

91400016

66430200

73400066

M3X8mm
82400026**Racers Tip:**

Dismantled while on track
(the screws become
3x14mm Flat Head Screws)



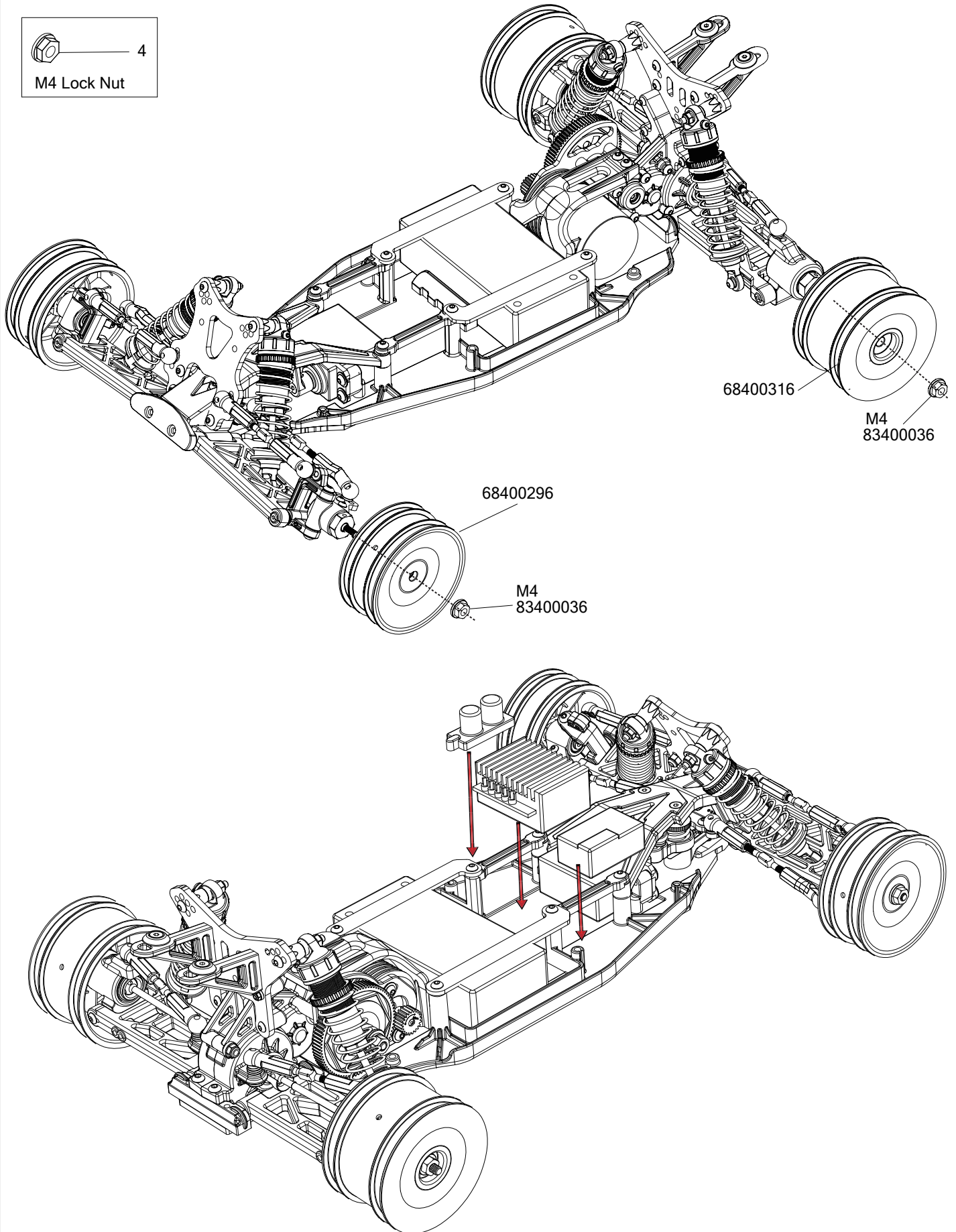


D8 Tires. Antenna Tube



4

M4 Lock Nut



Part Bags used.



Ensure smooth non-binding movement while assembling.

BAG
D

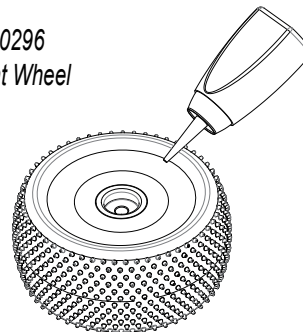
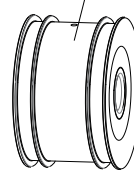
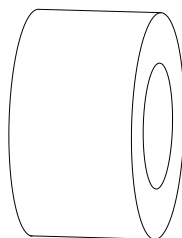
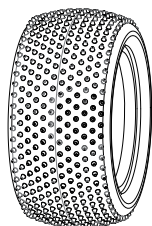
D9 Body&Wheels



(Sold seprstely)

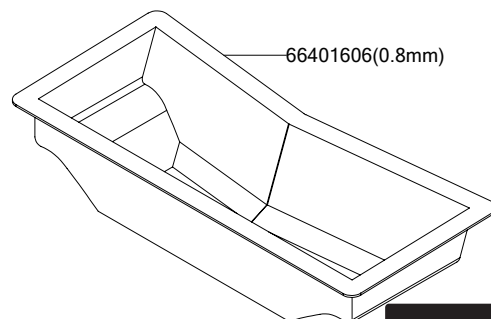
Mounting Tires

Wheel Installation

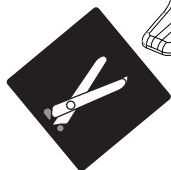
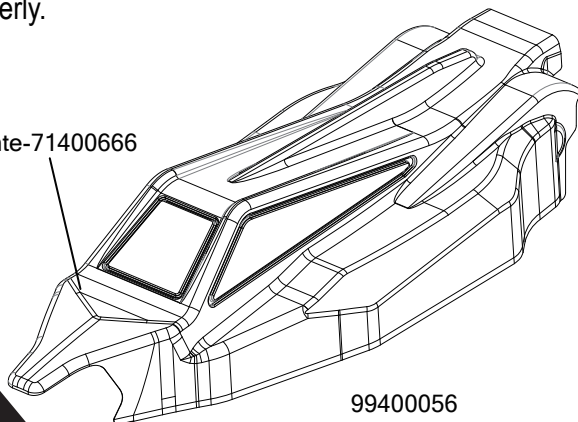
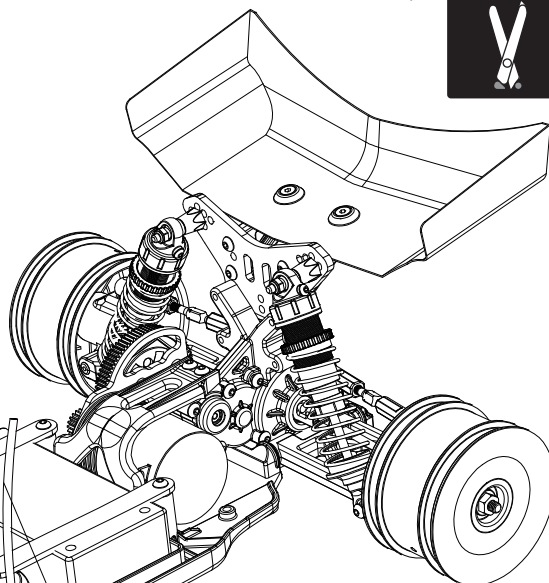
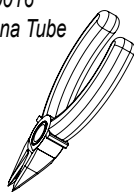
68400316
Rear Wheel68400296
Front WheelPlace the tire insert into the tire
and tire onto the wheel.Tire and insert (Sold seprstely)
CA(Cyanoacrylate) glue sold separately.Pull the sidewall of the tire slightly away
from the rim and apply CA(Cyanoacrylate)
glue in between the tire bead and rim

Body and Wing Cutting

Wash the inside of the body with luke warm water and a mild soap or detergent (such as liquid dishwashing soap) prior to painting. Oil residue or dust will prevent the paint from adhering to the painting surface, and possibly cause the paint to peel later on. After washing, thoroughly dry the body to allow the paint to adhere properly.



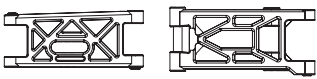
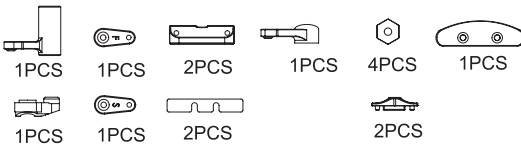
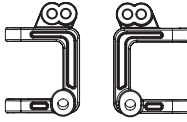
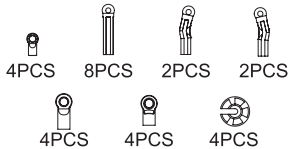
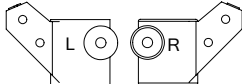
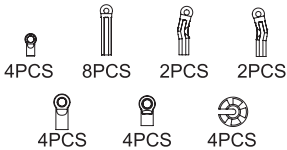
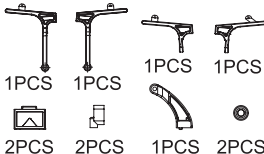
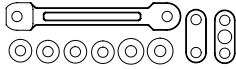
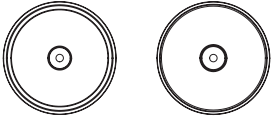
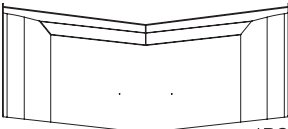
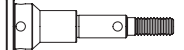
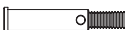
2022 Update-71400666

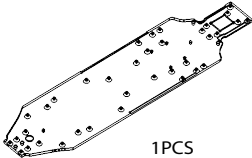
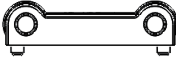
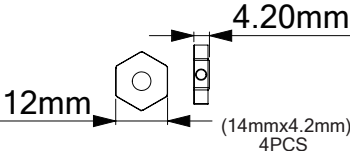
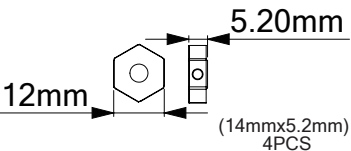
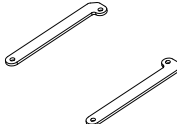
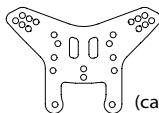
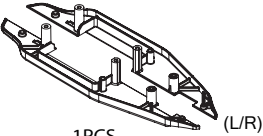
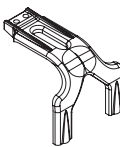
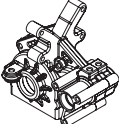
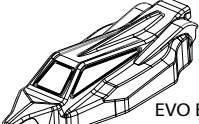
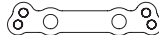
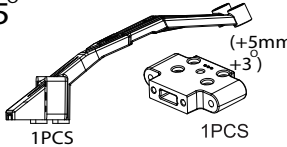
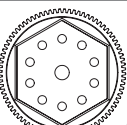
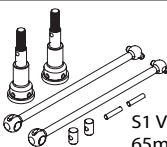
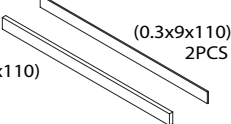
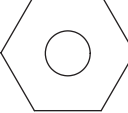
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Velcro Tape99400056
Velcro Tape98400016
Antenna Tube98400016
Antenna Tube

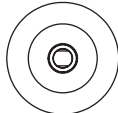
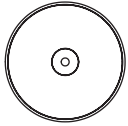
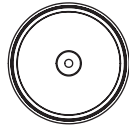
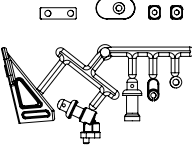
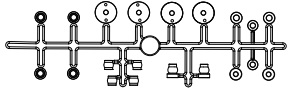
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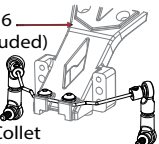
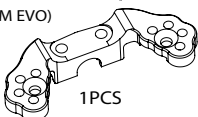
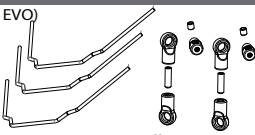
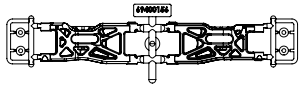
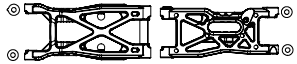
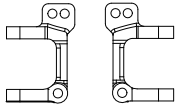
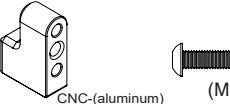
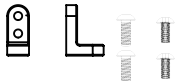
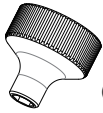
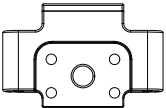
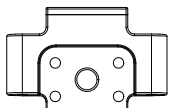
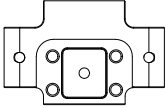
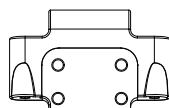


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66430350  4pcs(15x1.2mm) 4pcs(M2.5x4mm)	66400066  4PCS8PCS2PCS2PCS 4PCS4PCS4PCS	66402016  2pcs(34T)	66480856  1PCS1PCS
66430040  4pcs	66400066  4PCS8PCS2PCS2PCS 4PCS4PCS4PCS	66400116  1PCS1PCS1PCS1PCS 2PCS2PCS1PCS2PCS	66430200  2pcs
66400176  16PCS2PCS2PCS	66400186  2PCS2PCS2PCS2PCS	66402666  1pcs	66480646  20T Light weight 1PCS
66400256  2PCS2PCS	66480846  2pcs4pcs(2.5x8mm)	85440110  5x8x0.1mm Washer 4PCS	66401606  0.8mm1PCS
66400046  2pcs	31430017  8PCS	67410266  2pcs(M5)	66402106-1  2PCS
66400336  1PCS	66400346  6PCS36MM	66400356  2PCS	66401686  4pcs
66000020-1  1PCS	66480236  5x18 2PCSAluminium silver	66402056  2pcs	66430010  2PCSPlastic
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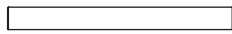
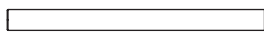
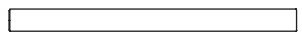
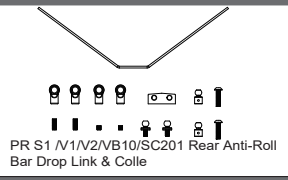
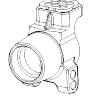
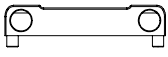
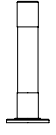
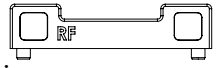
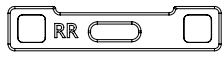
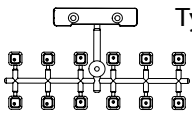
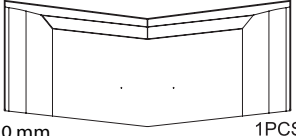
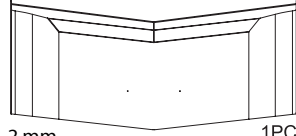
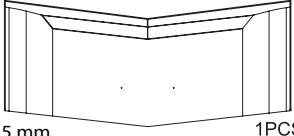
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68000040  12mm 4.20mm (14mmx4.2mm) 4PCS	68440010  12mm 5.20mm (14mmx5.2mm) 4PCS	83400076  M4 4PCS	91400016  2PCS
76500036  1PCS (carbon)3mm	71000026  1PCS (carbon)3mm	71000050  1PCS (L/R)	71400036  1PCS
71400536  1PCS (A/B)	71400666  1PCS EVO Body - Clear	66000020-3  1PCS (RR-3.5)	77410016  2PCS
71400646  1PCS	71400106  1PCS (For S1 V3)	67400106  25° (+5mm +3) 1PCS	77410026  2PCS
71400116  1PCS (81T)	68480406  2PCS S1 V3(FM) CVD 65mm M4 Set	71400136  2PCS (65mm)	99000010  2PCS (0.3x9x110)
31430016  8PCS	66401926  10PCS	68480306  2PCS	98400046  6PCS
66402106-2  4PCS	66401096  2PCS	66410026  2PCS M++	66480696  2PCS M+
66402106-3  5x8x2.5 POM 6PCS	66400766  5x10x4 Ball Bearing 10PCS	66400776  5x13x4 Ball Bearing 2PCS	66400786  10x15x4 Ball Bearing 4PCS

68480526  1.6mm 1PCS	66400466  2PCS	83400026  M3 5PCS	85440100  Red Aluminum Spacer - 0.9mm 4PCS
85440070  Shim 2.6 x6 x0.5mm 4PCS	68430026  4.8x3mm 6PCS	68430036  4.8x6mm 6PCS	68430046  4.8x8mm 6PCS
85440010  Shim 5x8x0.2mm 15PCS	85440180  Shim 5x8x0.5mm 4PCS	68400296  Front Wheel 2PCS	68400316  Rear Wheel 2PCS
68480106  2PCS	68410066  2PCS		

Option Parts

66481556 (S1V3FM EVO) 75400036 (not included) PR S1 V3 Front Anti-Roll Bar Drop Link & Collet 1.2mm.1.3mm1.4mm 	66481226 (S1V3FM EVO) 1PCS Aluminium Rear Camber Plate 	66481236 (S1V3FM EVO) PR S1V3 EVO Rear Anti-Roll Bar Drop Link & Collet (1.2mm, 1.3mm, 1.4mm) 	66400696 4PCS Aluminium Shock Stand off Set - Black 
55430086 1PCS 25T CNC-(aluminum) 	69400156 Front Lower gull Wishbone for S1 V3R (1pr) 	69400146 PR S1 V3 Wishbone Set - Type B Full set 	66480326 PR S1 Aluminium Caster Block-4 Degree Pair (1pr) 
81430106 4PCS front Rear Steel Shock Stand off Set 	66480936 2pcs CNC-(aluminum) 2pcs (M3X8mm) 	66481176 2PCS PR S1 Front Shock Tower Camber Plate 	23440360 1PCS (aluminum) M5.5mm 
66480456  (+5mm 3)lower swing arm mounts (aluminum)	66481186  (+5mm 7)lower swing arm mounts (aluminum)	66480476  (+5mm 0)lower swing arm mounts (aluminum)	66480536  (+5mm 7)lower swing arm mounts 66g (Brass)

Option Parts

66400376  1PCS (aluminum)	79400026 Type-R  3x29.8mm 2PCS	79400036 Type-R  3x36.8mm 4PCS	79400046 Type-R  3x47.5mm 4PCS
66480736  PR S1 /V1/V2/VB10/SC201 Rear Anti-Roll Bar Drop Link & Collar	66402366  2PCS CNC-(aluminum)	71480016  65mm 2PCS Aluminum	66400756  5x8x2.5 Ball Bearing 6PCS
71400236  1PCS (RF) CNC-(aluminum)	71400166  1PCS (RR-3.5) CNC-(aluminum)	71400096  1PCS (RR-3) CNC-(aluminum)	71400406  1PCS (RR-1.5) CNC-(aluminum)
66401306  2PCS CNC-(aluminum)	66401826  4PCS PR Shock Ball (Steel)	71400586 Type-R  Aluminum CNC "RF" Suspension Mount	71400576 Type-R  Aluminum CNC "RR" Suspension Mount
77500156 Type-R  Suspension Hanger Insert	66400286  1.0 mm 1PCS	66401726  1.2 mm 1PCS	66402697  1.5 mm 1PCS

NOTE



PR S1(Gear Diff) Gear Ratio Chart-Internal Gear Ratio 2.75:1

(Gear Diff) Final Drive Ratio		Spur 				
		73	75	77	81	83
Pinion 	18				12.38	12.68
	19				11.72	12.01
	20				11.14	11.41
	21			10.08	10.61	10.87
	22			9.63	10.13	10.38
	23		8.97	9.21	9.68	9.92
	24		8.59	8.82	9.28	9.51
	25	8.03	8.25	8.47	8.91	
	26	7.72	7.93	8.14	8.57	
	27	7.44	7.64	7.84		
	28	7.17	7.37	7.56		
	29	6.92	7.11			
	30	6.69	6.88			
	31	6.48				
	32	6.27				
	33	6.08				



PR S1 (Ball Diff) Gear Ratio Chart-Internal Gear Ratio 2.6:1

(Gear Diff) Final Drive Ratio		Spur 				
		73	75	77	81	83
Pinion 	18				11.70	11.99
	19				11.08	11.36
	20				10.53	10.79
	21			9.53	10.03	10.28
	22			9.10	9.57	9.81
	23		8.48	8.70	9.16	9.38
	24		8.13	8.34	8.78	8.99
	25	7.59	7.80	8.01	8.42	
	26	7.30	7.50	7.70	8.10	
	27	7.03	7.22	7.41		
	28	6.78	6.96	7.15		
	29	6.54	6.72			
	30	6.33	6.50			
	31	6.12				
	32	5.93				
	33	5.75				

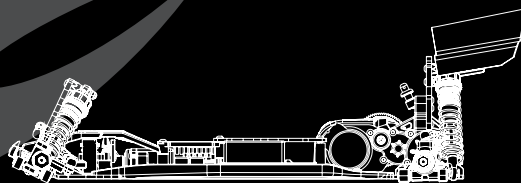
66480986	PR Racing 48P Pinion (3.17mm ID) (18T)*1pcs	66481576	PR Racing 48P Pinion (3.17mm ID) (26T)*1pcs
66480996	PR Racing 48P Pinion (3.17mm ID) (19T)*1pcs	66481586	PR Racing 48P Pinion (3.17mm ID) (27T)*1pcs
66481006	PR Racing 48P Pinion (3.17mm ID) (20T)*1pcs	66481596	PR Racing 48P Pinion (3.17mm ID) (28T)*1pcs
66400556	PR Racing 48P Pinion (3.17mm ID) (21T)*1pcs	66481606	PR Racing 48P Pinion (3.17mm ID) (29T)*1pcs
66480096	PR Racing 48P Pinion (3.17mm ID) (22T)*1pcs	66481616	PR Racing 48P Pinion (3.17mm ID) (30T)*1pcs
66480106	PR Racing 48P Pinion (3.17mm ID) (23T)*1pcs	66481626	PR Racing 48P Pinion (3.17mm ID) (31T)*1pcs
66480116	PR Racing 48P Pinion (3.17mm ID) (24T)*1pcs	66481636	PR Racing 48P Pinion (3.17mm ID) (32T)*1pcs
66481566	PR Racing 48P Pinion (3.17mm ID) (25T)*1pcs	66481646	PR Racing 48P Pinion (3.17mm ID) (33T)*1pcs

66480576	73T Spur Gear (For S1)*1pcs
66480586	75T Spur Gear (For S1)*1pcs
66480596	77T Spur Gear (For S1)*1pcs
71400116	81T Spur Gear (For S1)*1pcs
66480606	83T Spur Gear (For S1)*1pcs



PRSTV3 FM SPORT

1/10 ELECTRIC 2WD RACING PRO KIT



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2.5 Version