

PR SCT10

1:10 Scale 4WD Electric Competition Short Course Truck Kit
PART NO: 69000045



Specifications

- Type: 1/10 1h 4wd Off-Road Short Course Kit
- Power Source: Electric
- Wheelbase: 324-326mm (variable)
- Width: 295mm
- Gear Ratio: 3.9:1
- Weight: 2518g race ready (Without body) (varies)
- Hardware: Full metric
- Bearings: Sealed Metal Ball Bearings
- Wheels: 12mm hex
- Kit: Assembly required

Suspension and Steering

- 13mm Type-R shocks
- Lower shock towers for ultra-low center of gravity
- Suspension hangers with inserts for toe and anti-squat adjustment
- Revised Ackerman geometry for improved steering feel
- New shock seal caps and seals for ultra-smooth operation
- Gullwing rear wishbones

- Hard front wishbones
- New high tensile steel turnbuckles
- 32P and 48P spur gears included



PR SCT10
1:10 Scale 4WD Electric Competition Short Course Truck Kit



1:10 Scale 4WD Short Course Truck Kit

PR RACING High-Performance SCT10 Competition
4WD Short Course Truck

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

Specifications

- Type: 1/10 th 4wd Off-Road Short Course Kit
- Power Source: Electric
- Wheelbase: 324-326mm (variable)
- Width: 295mm
- Gear Ratio: 3.9-1
- Weight: 2518g race ready (Without body) (varies)
- Hardware: Full metric
- Bearings: Sealed Metal Ball Bearings
- Wheels: 12mm hex
- Kit: Assembly required

Suspension and Steering

- 13mm Type-R shocks
- Lower shock towers for ultra-low center of gravity
- Suspension hangers with inserts for toe and anti-squat adjustment
- Revised Ackerman geometry for improved steering feel
- New shock seal caps and seals for ultra-smooth operation
- Gullwing rear wishbones
- Hard front wishbones
- New high tensile steel turnbuckles
- 32P and 48P spur gears included

Items Required to Complete

- 2 Channel surface frequency radio system
- 2S-4S Lipo battery & compatible lipo charger
- 1/10 ESC, motor & pinion gear
- High-Speed Servo
- 1/10 tyres and inserts
- Tools
- Paint for polycarbonate body
- Tyre glue
- Threadlock
- Silicon diff and shock oil

● BEFORE INSTALLATION	01
● BAG A	03-08
A1-Chassis Brace Installation A2-Motor Mount & Side Plate A3-Gear Diff Assembly A4-Center Diff A5-Gear Box Assembly Front Shock Tower Installation A6-Gear Box Assembly Rear Shock Tower Installation	
● BAG B	09-12
B1-FR Suspension Mount Installation B2-Front Hub Carrier Assembly(Left Side) B3-FF Suspension Mount & Front Sway Bar Installation B4-Front Upper Turnbuckle Assembly	
● BAG C	13-16
C1-RF Suspension Mount C2-Rear L/R Hub Carrier Assembly C3-Rear Upper Turnbuckle Assembly C4-Rear Sway Bar Installation	
● BAG D	17-20
D1-Steering D2-Steering D3-Turnbuckle Assembly-Steering Rod D4-Turnbuckle Assembly-Servo Rod D5-Top Deck Installation D6-Battery Hold Down Installation D7-Battery Retainer Installation	
● BAG E	21-25
E1-E2-E3 Front & Rear Shock Assembly	
● BAG F	26-32
F1-F2-F3 Front Bumper Installation F4-F5 Front & Rear Bumper Installation F6-Motor Installation & Gear Ratio Chart F7-Servo & Fan Mount Installation F8-Wheels & ESC Installation	
● SETUP SHEET	33
● Upgrade Parts	34

BEFORE INSTALLATION

- 1 Read through the instruction manual before installation in order to have an overview of what to do.
- 2 Check if there are any missing bags or defective parts. If so, please contact your local dealer or PR Distributor.
- 3 This kit contains screws and hardware in different metric sizes and shapes. Before using them, check the screws against the true-to-scale diagrams on the left side of each assembly step. Some screws are extras.
- 4 Symbols used throughout the instruction manual are as follows:

	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.		

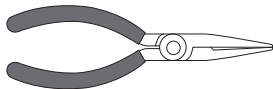
HEALTH WARNING

This model is a high-performance radio controlled racing product that is designed for use on R/C car race tracks. If it is misused it could cause injury to the operator or others. Many of the items in this kit are small enough to be accidentally swallowed; therefore, it is not suitable for young children. All items, inclusive of liquids, contained in this kit are not intended for human consumption. Rotating parts of the car may cause injury if not handled with care.

TOOLS REQUIRED

CAUTION: Handle tools carefully!

- Needle Nose Pliers



- Body Reamer



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

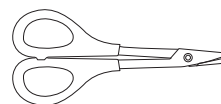
- Grease



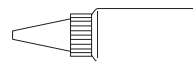
- Wire Cutters



- Lexan Scissors



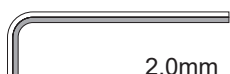
- Screw Cement



- Hex Wrench



1.5mm

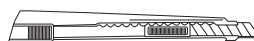


2.0mm

- Ball Differential Grease



- Sharp Hobby Knife

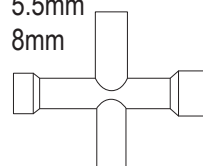


- Cross Wrench

5mm

5.5mm

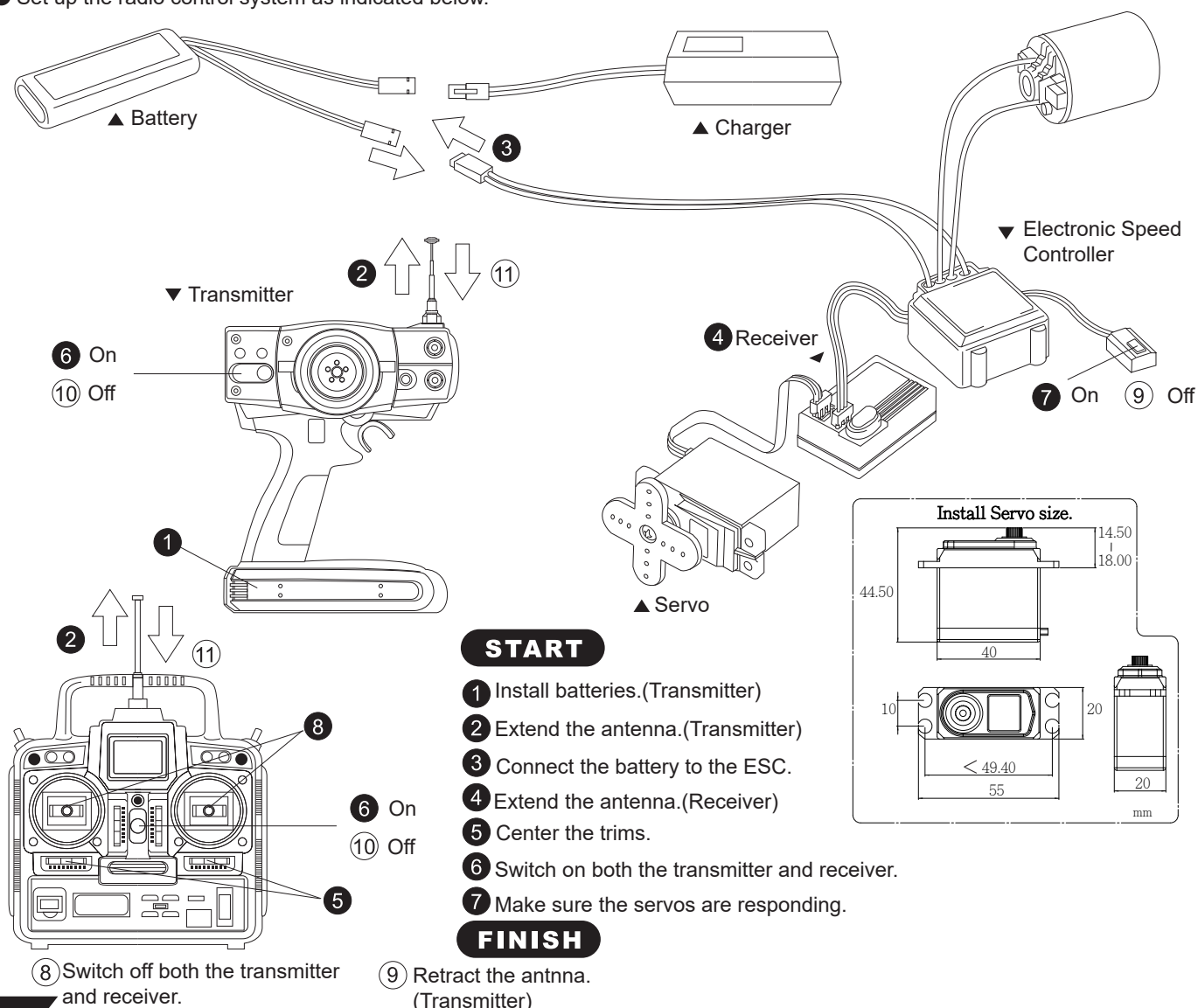
8mm



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.

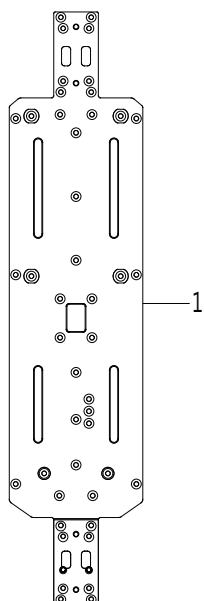




A1 Chassis Brace Installation

82400026
FHCS M3x8mm

80400036
BHCS 3x8mm



52000013
Chassis 3mm

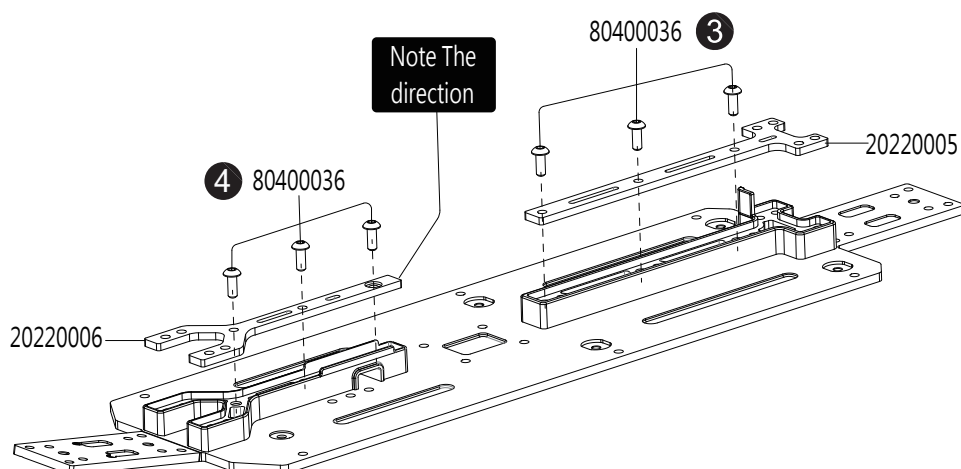
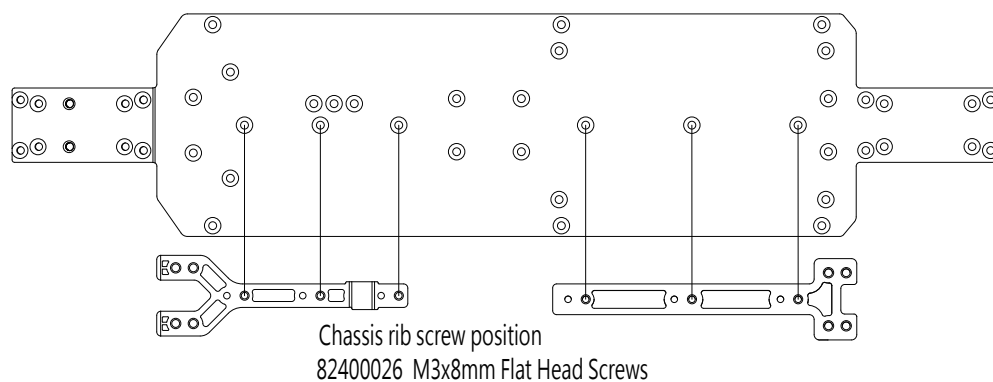
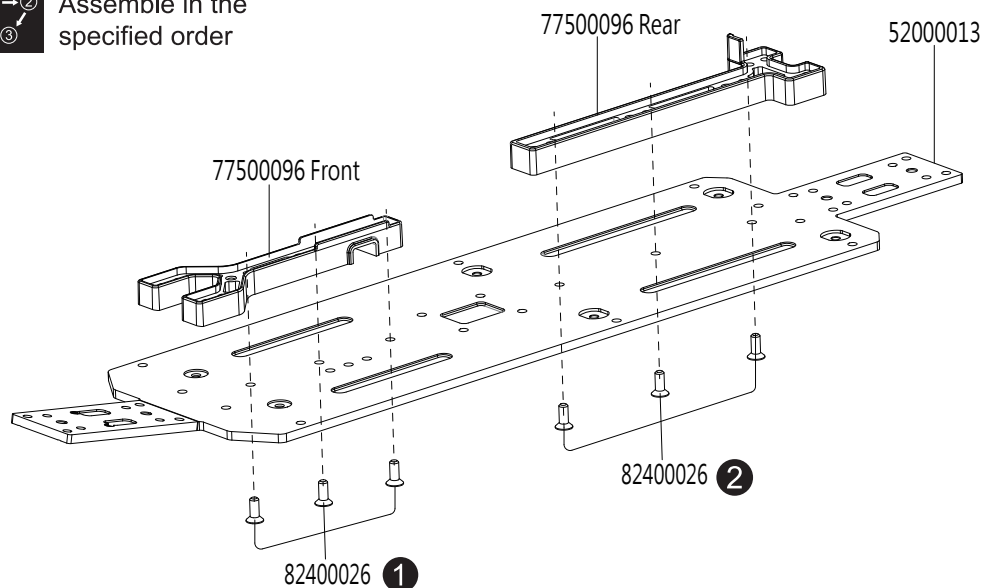
77500096 chassis
Brace F

77500096 chassis
Brace R

20220006 Chassis
Brace Plate F

20220005 Chassis
Brace Plate R

①→②
③ Assemble in the
specified order



Part Bags used.



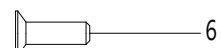
Assemble in the
specified order.



A2 Motor Mount & Side Plate



82400016
FHCS M3x6mm



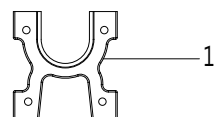
82400106
FHCS M3x10mm



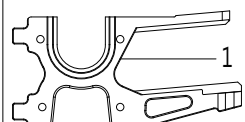
83400026
M3 Lock Nut



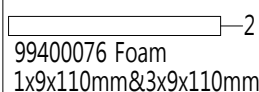
68400016
Steering Bolt



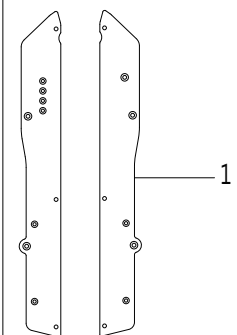
77500066
difference seat



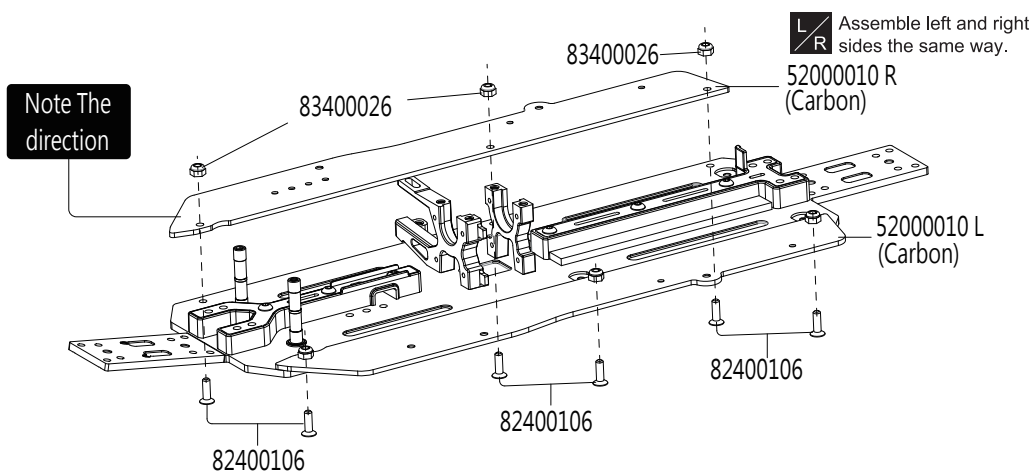
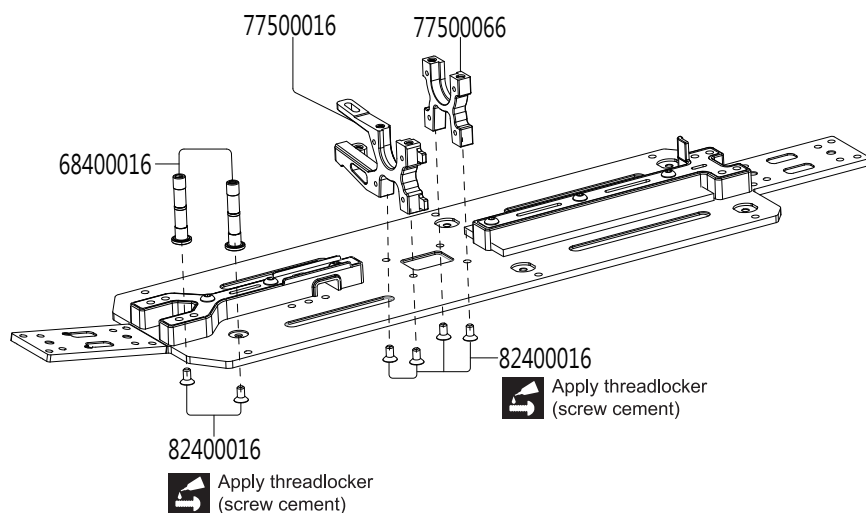
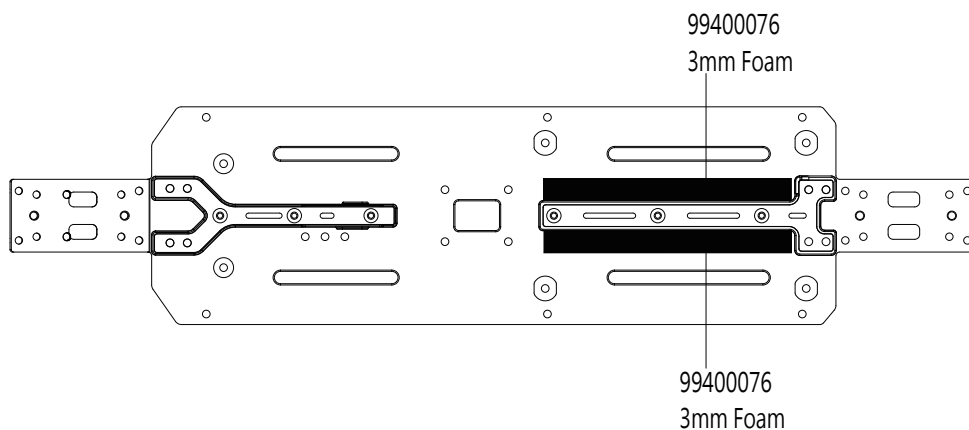
77500016
Motor Mount Set



99400076 Foam
1x9x110mm&3x9x110mm



52000010
Lateral Plate (Carbon)



BAG
A

A3 Gear Diff Assembly

8
82400166
FHCS M2.6x10

4
85440170
Shim 5x8x0.8mm

8
85440160
Shim 4x10x0.15

4
85400016
3.5 E Clip

4
31450016
5x1.5mm(O-ring)

4
66480356
Gear Diff Cross Pins Aluminum

8
66480336
Gear Diff Internal Gear 9T

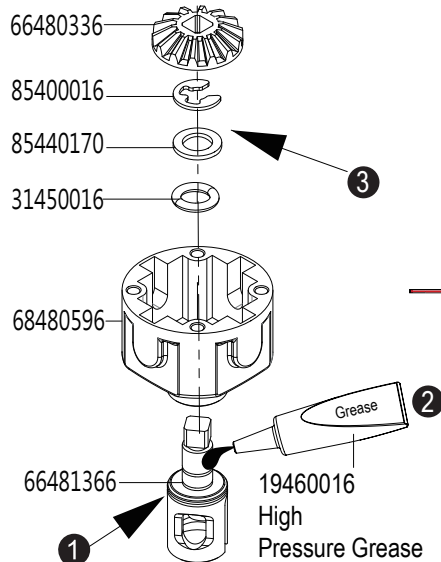
4
66480336
Gear Diff Internal Gear 14T

4
66481366
Gear Diff. Outdrive

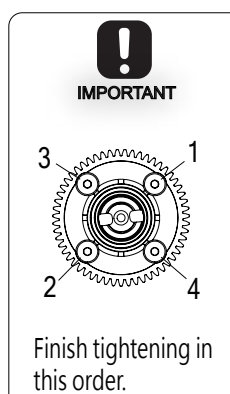
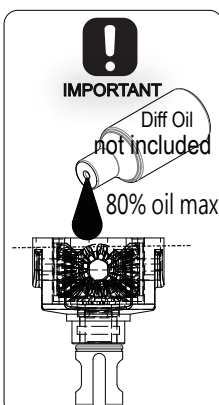
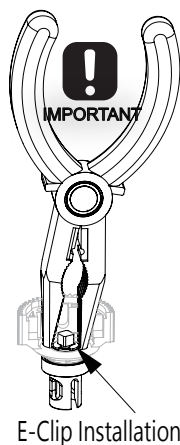
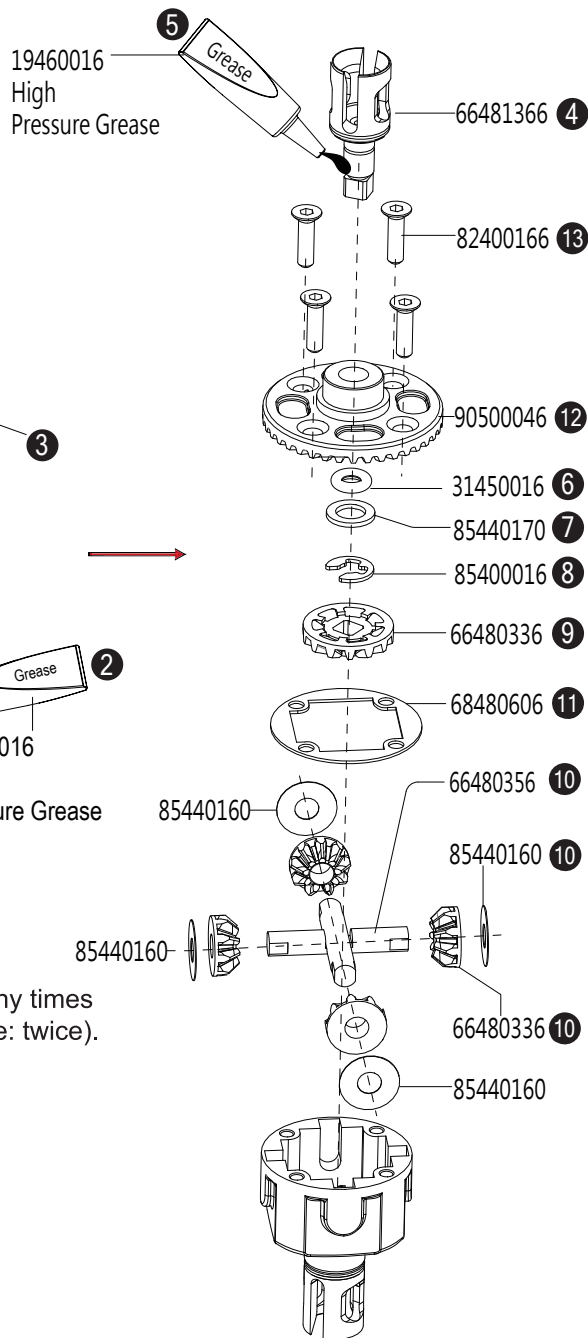
2
68480606
Bevel Gear Diff Gaske

2
90500046
Drive Gear 39T

2
68480596
Gear Differential Case



x2 Assemble as many times as specified (here: twice).



Diff Oil	
Front Diff	Rear Diff
Low Traction	Low Traction
5000cst	30000cst
Medium High Traction	Medium High Traction
10000cst	50000cst
Super High Traction	Super High Traction
30000cst	100000cst



Part Bags used.



Assemble in the specified order.



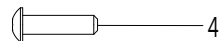
Apply oil.



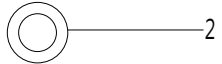
Assemble as many times as specified (here: twice).



A4 Center Diff



80400226
BHCS M2.5x10mm



85440170
Shim 5x8x0.8mm



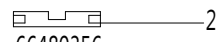
85440150
Shim 4x8x0.25



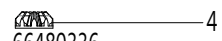
85400016 3.5 E Clip



31450016 5x1.5mm(O-ring)



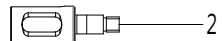
66480356
Gear Diff Cross Pins Aluminum



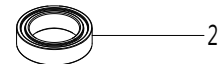
66480336
Gear Diff Internal Gear 9T



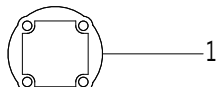
66480336 Gear Diff Internal Gear 14T



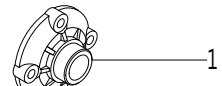
77500316 Centre Diff Cup



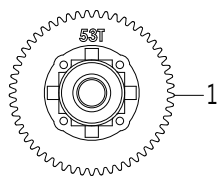
89430030 Bearing 10x15x4mm



66480377
PR SB401R Center Gear diff Gasket

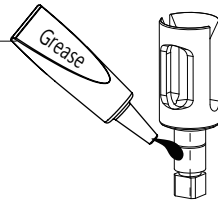


52000026 Centre Diff Spur Gear Top



52000026 (32P) 53T Centre Diff Spur Gear
Suitable:550 motor

2
19460016
High
Pressure Grease



77500316 1



Assemble in the
specified order.

89430030 19

80400226 18

52000027 3

52000026

31450016 4

85440170 5

85400016 6

66480336 7

16 85440150 66480377 17

85440150 85440150

15 66480356 66480336 14

85440150 66480336 13

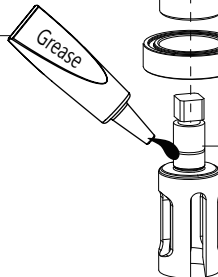
85440170 12

31450016 11

52000027 (48P) 80T 10

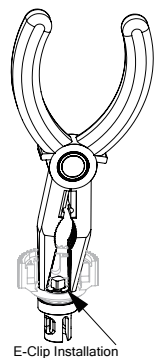
52000026 (32P) 53T

8
19460016
High
Pressure Grease



89430030 20

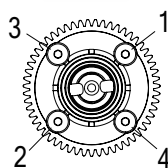
77500316 9



E-Clip Installation



IMPORTANT

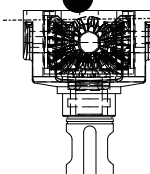


Finish tightening in
this order.



IMPORTANT

Diff Oil
not included
80% oil max



Diff Oil
Centre Diff Spur Gear

Low Traction

300000cst

Medium High Traction

500000cst

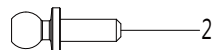
Super High Traction

1000000cst

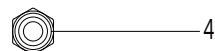




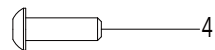
A5 Gear Box Assembly Front Shock Tower Installation



68430046 4.8x8mm Ball Studs



83400026 M3 Lock Nut



80400046 BHCS M3x10mm



78400016 Set Screw M4x3mm



85440090 Shim 5x8x0.1mm



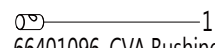
85440230 Shim 10x12.5x0.1mm



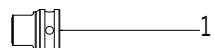
89430010 Bearing 5x10x4mm



89430030 Bearing 10x15x4mm



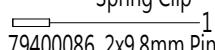
66401096 CVA Bushing



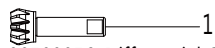
68480326 Input Shaft Coupling



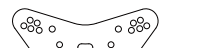
68481256 Input Shaft Coupling Spring Clip



79400086 2x9.8mm Pin



90500056 Differential Gear 10T



67410498 Shock Tower



68480986 Gear Case

77500328 Dogbone Drive Shaft 92.5mm

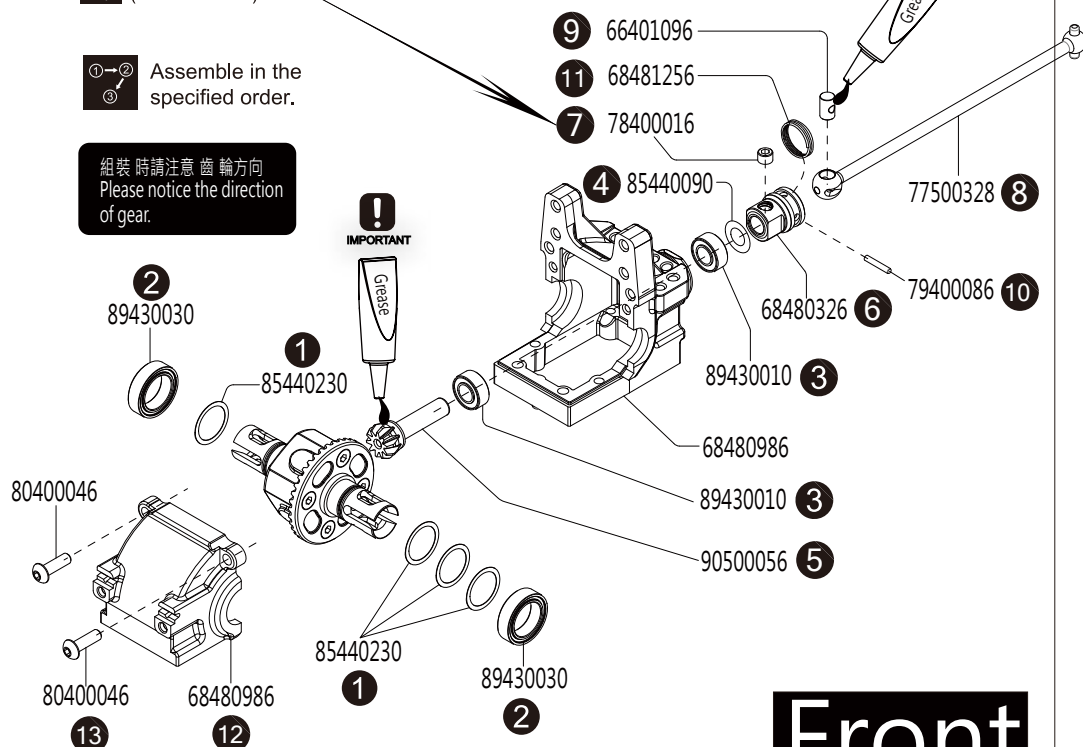


Apply threadlocker (screw cement)



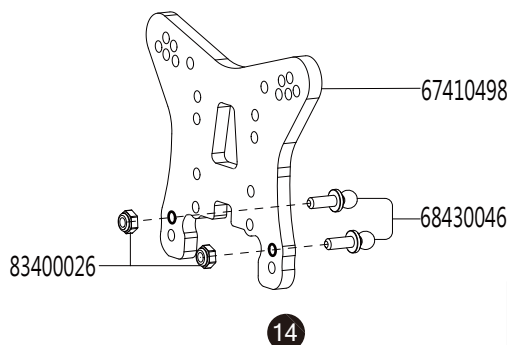
Assemble in the specified order.

組裝時請注意齒輪方向
Please notice the direction of gear.

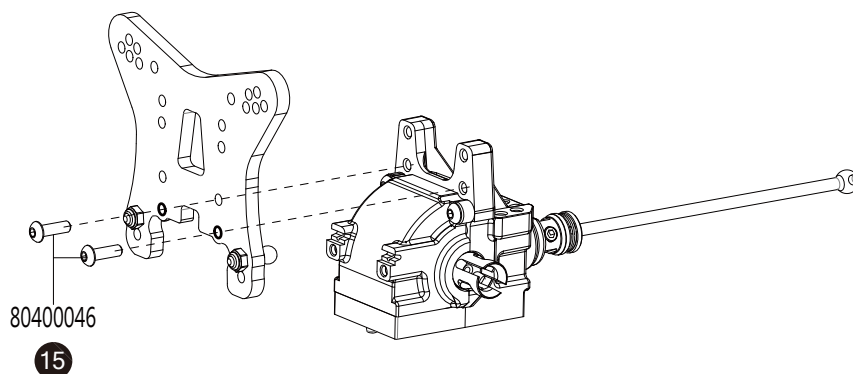


Front

Front



Front



Front



Part Bags used.



Apply grease.



Apply threadlocker (screw cement)



Assemble in the specified order.



A6 Gear Box Assembly Rear Shock Tower Installation

68430046 4.8x8mm Ball Studs

83400106 M3 Lock Nut

80400046 BHCS M3x10mm

78400016 Set Screw M4x3mm

85440090 Shim 5x8x0.1mm

85440230 Shim 10x12.5x0.1mm

89430010 Bearing 5x10x4mm

89430030 Bearing 10x15x4mm

66401096 CVA Bushing

68480326 Input Shaft Coupling

68481256 Input Shaft Coupling Spring Clip

79400086 2x9.8mm Pin

90500056 Differential Gear 10T

67410498 Shock Tower

68480986 Gear Case

77500327 Dogbone Drive Shaft 107mm—1

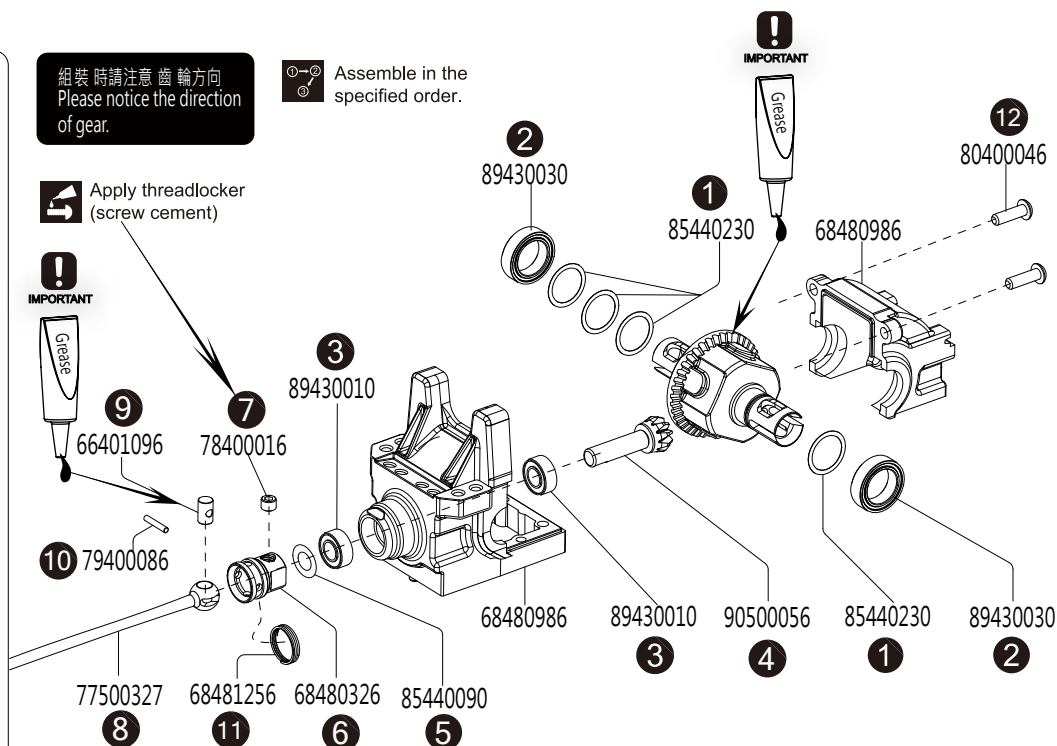
組裝時請注意齒輪方向
Please notice the direction of gear.

Assemble in the specified order.

Apply threadlocker (screw cement)

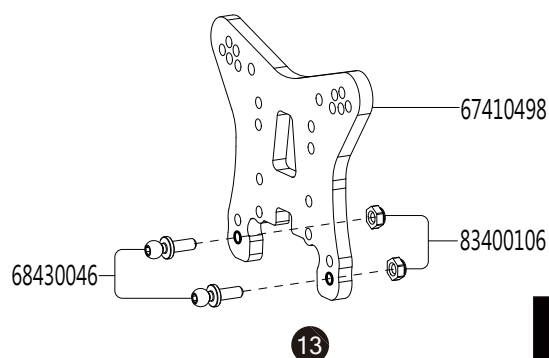


IMPORTANT

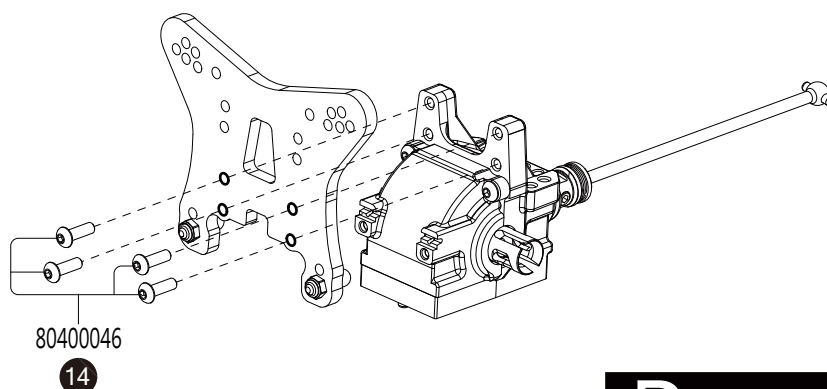


Front

Rear



Rear



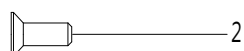
Rear



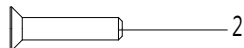


B1 FR Suspension Mount Installation

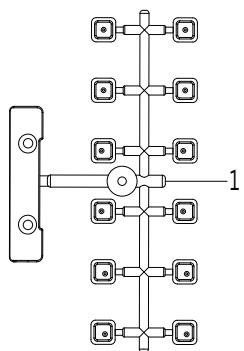
Front



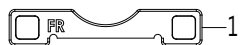
82400026
FHCS M3x8mm



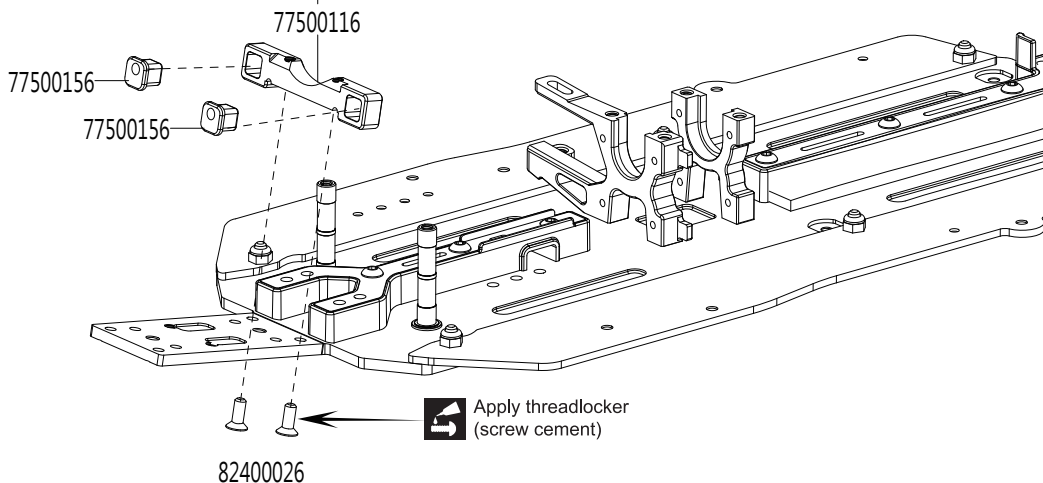
82400176
FHCS M3x15mm



77500156
Suspension Hanger
Insert Set

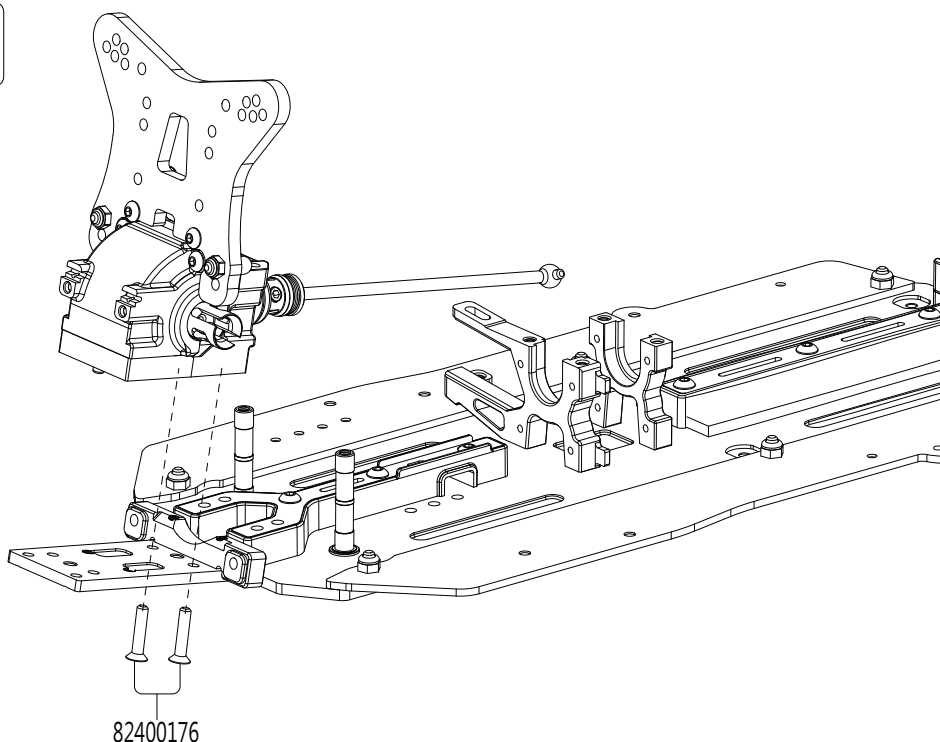


77500116
FR Suspension Mount



FRONT HANGER INSERTS

	FF		FR		TOE	SQUAT
F-1					0	0
F-2					0	+0.7
F-3					0	+1.4
F-4					0	-0.7
F-5					0	0
F-6					0	+0.7
F-7					0	-1.4
F-8					0	-0.7
F-9					0	0
F-10					0	0
F-11					-0.9	0
F-12					-1.7	0
F-13					+0.9	0
F-14					0	0
F-15					-0.9	0
F-16					+1.7	0
F-17					+0.9	0
F-18					0	0
R-19					+3.5	+2



Note: (1) SB401 Plastic Antisquat
Shims=1mm=1Degree.



Part Bags used.



Apply threadlocker (screw cement)



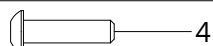
B2 Front Hub Carrier Assembly (R/L Side)

Right Side

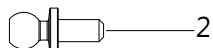
Left Side

Assemble left and right sides the same way.

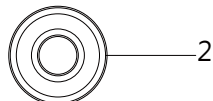
Assemble in the specified order.



80400206 BHCS M3x12mm



68430036 4.8mmx6mm Ball Studs

89430010
5x10x4mm Bearing89430020
5x13x4mm Bearing

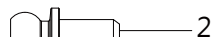
79400086 2x9.8mm Pin (silver)



79400016 2x10.8mm Pin (black)



87400067 SHCS M2x6mm



68430046 4.8mmx8mm Ball Studs



77500216 0.8mm Silver



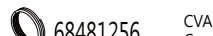
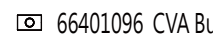
77500218 1.9mm black



68440080 Wheel Hex 5.2mm



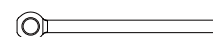
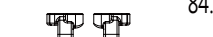
90500036 Axle Front

68481256 CVA Input Shaft
Coupling Spring Clip 2

66401096 CVA Bushing 2



85440311 Spacer 3x6x2mm 2

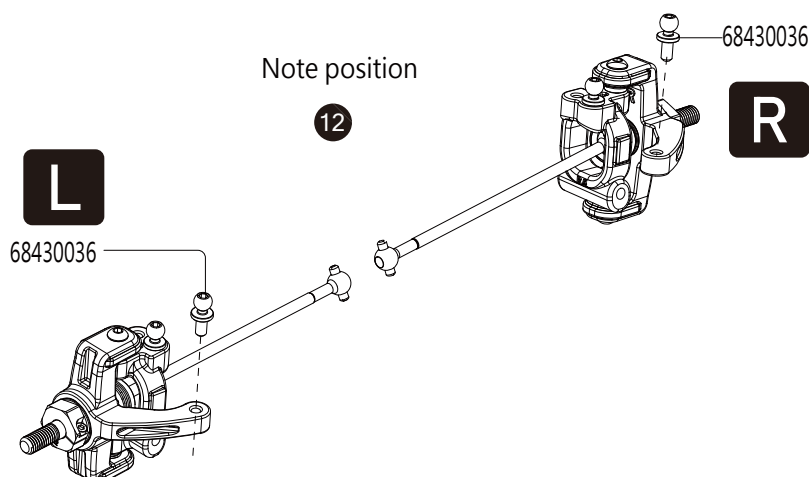
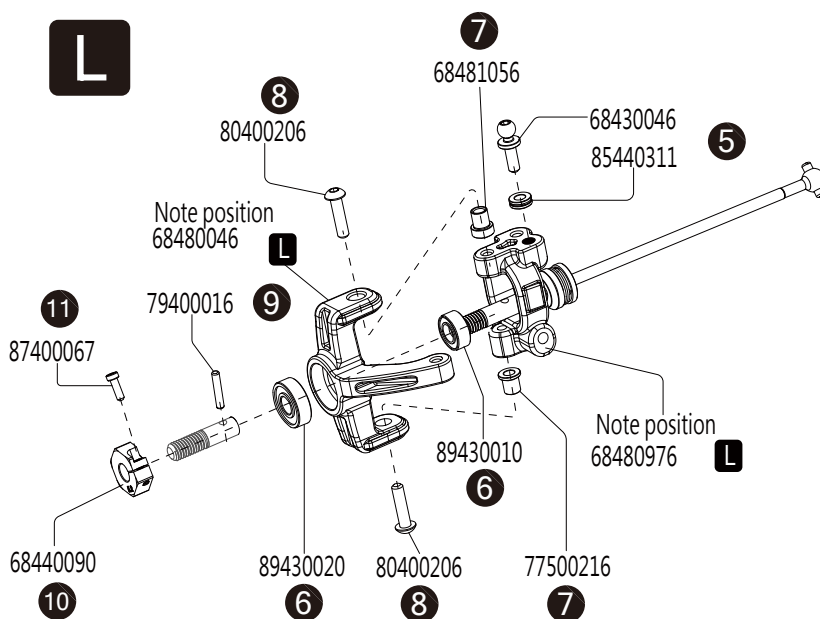
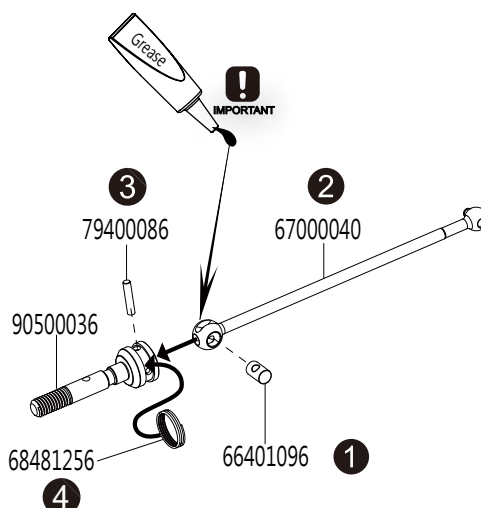
67000040 Dogbone Drive Shaft
84.5mm 2

68480046

R/L

1pr

Caster Block & Trailing Spindle





B3 FF Suspension Mount & Front Sway Bar Installation

PR5CT10

80400036 BHCS 3x8mm — 2

82400026 FHCS M3x8mm — 2

80400016 BHCS 2.5x5.5mm — 2

87400016 Set Screw M3x3mm — 2

78400026 Set Screw M3x6mm — 2

87400026 Set Screw M3x10mm — 2

79400036 3x36.8mm Pin — 2

79480036 3x52mm Pin — 2

77500106 FF Suspension Mount — 1

68480036 Sway Bar Mount — 1

68480036 Shim 1mm — 1

77430126 Rod End 3x4.85x13.75mm — 4

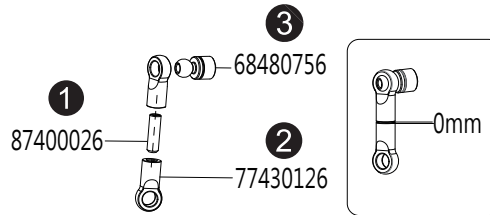
68480756 Anti-Roll bar Balls (2.1mm) — 2

77500156 Suspension Hanger Insert Set — 2

66481296 Sway Bar (1.5mm) — 1

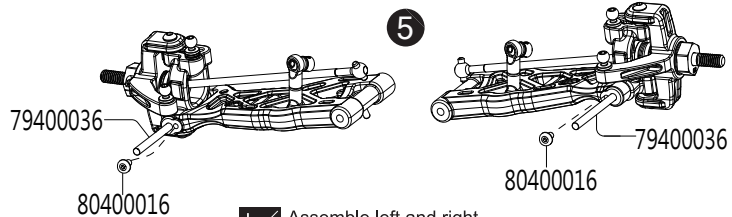
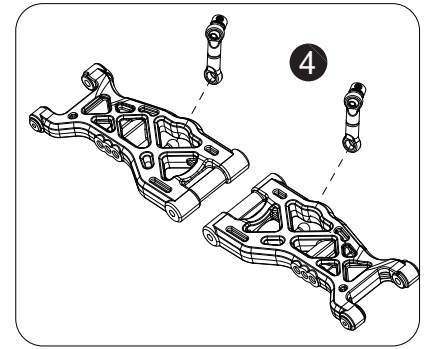
90500016 Wishbone Set (front 1pr) — 1.95mm

90500016 Wishbone Set (front 1pr) — 1.95mm

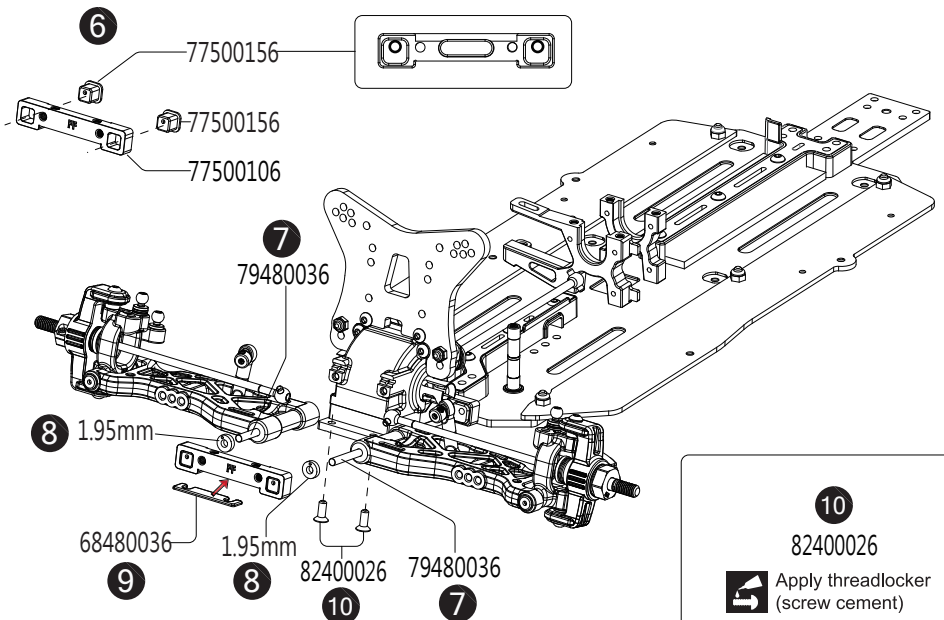


L/R Assemble 2 sway bar rod.

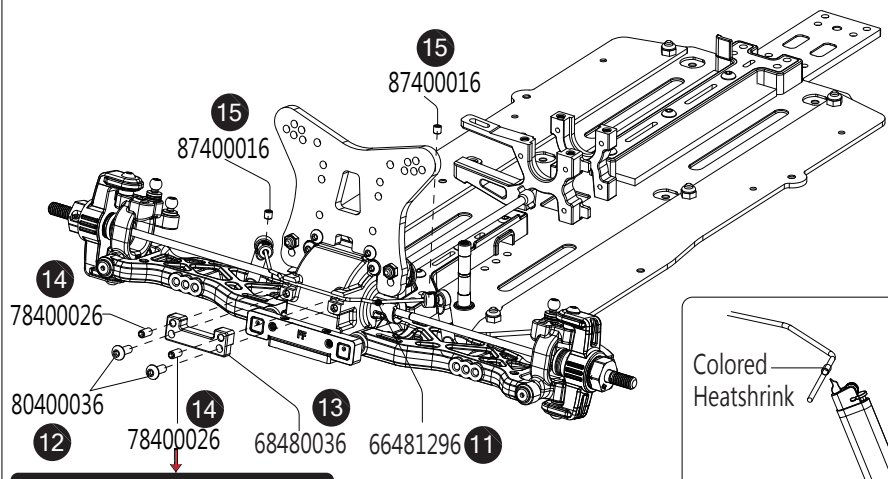
○-○ Assemble in the specified order.



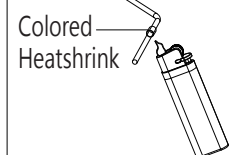
L/R Assemble left and right sides the same way.



10
82400026
⬅ Apply threadlocker (screw cement)



Adjust the M3x6 Set Screws and stopper to remove any gap but allow the sway bar to swivel smoothly



Bag Part Bags used.

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

○-○ Assemble in the specified order.

⬅ Apply threadlocker (screw cement)



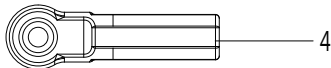
BAG
B

B4 Front Upper Turnbuckle Assembly

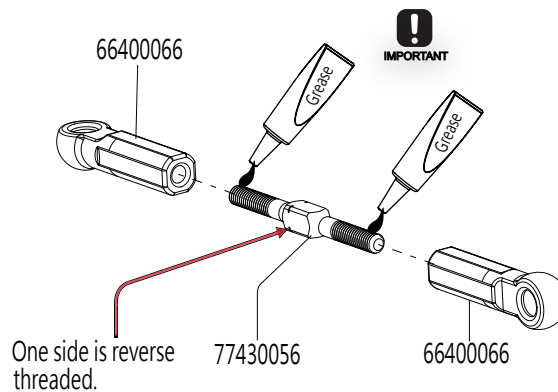
One side is reverse threaded.



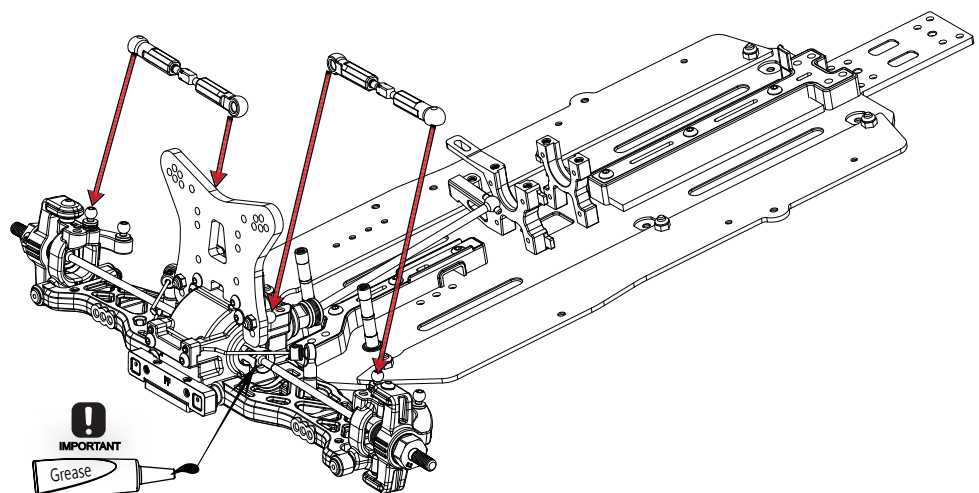
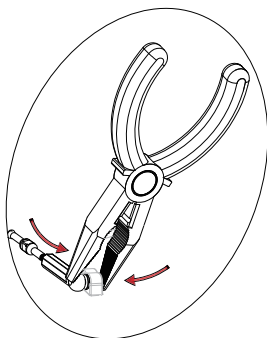
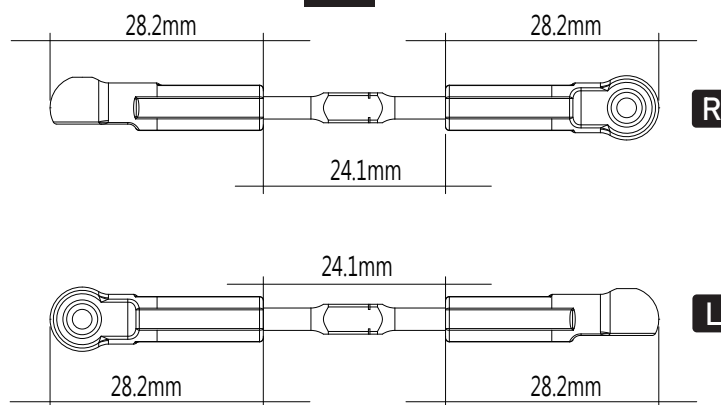
77430056 50mm Turnbuckles



66400066 Rod End (28.2mm)



1:1



1:1

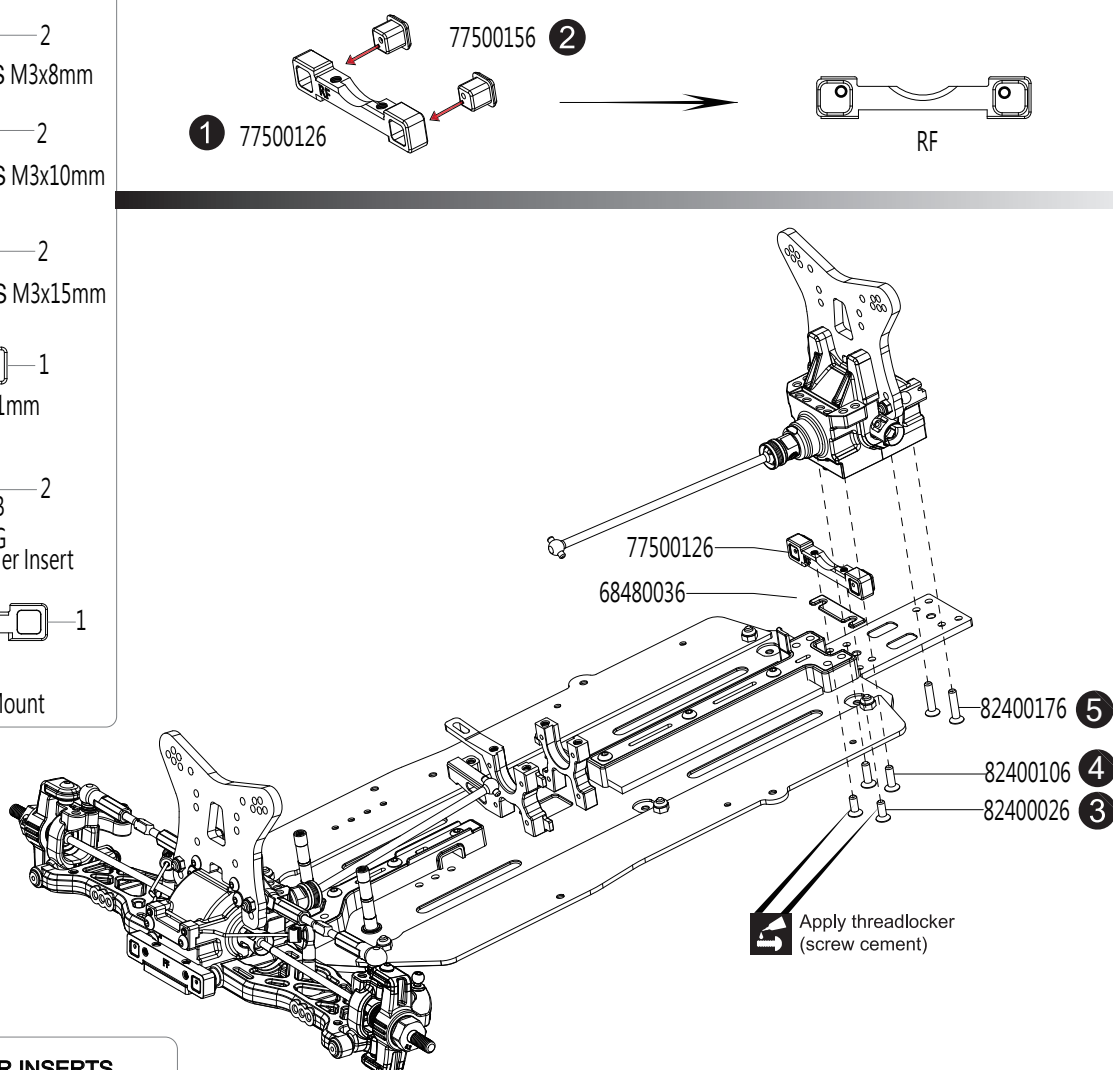




C1 RF Suspension Mount

Assemble in the specified order.

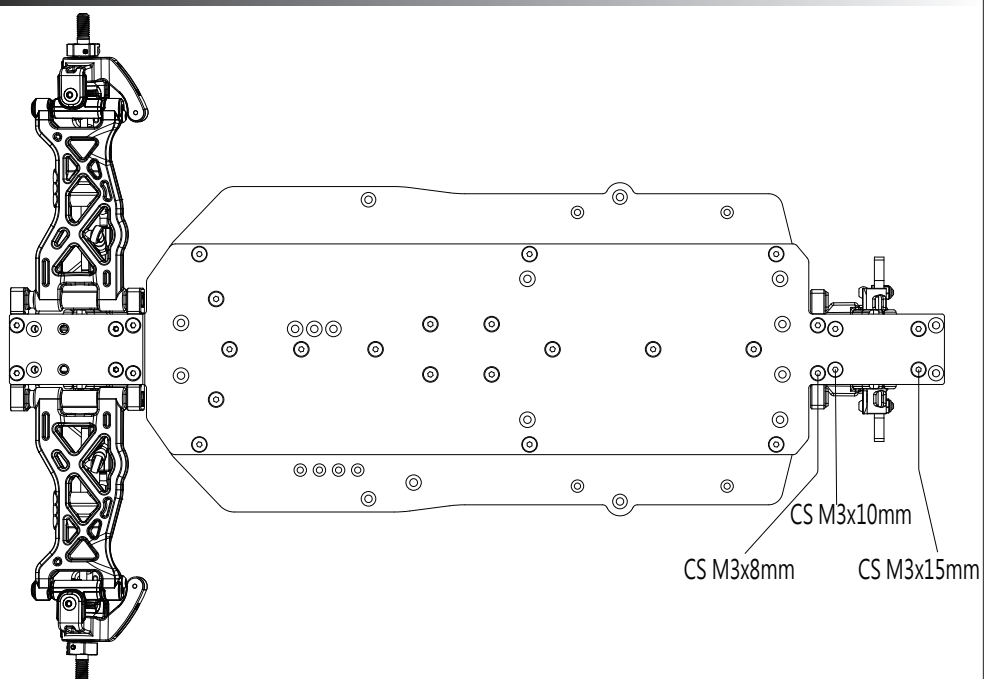
- 2
82400026 FHCS M3x8mm
- 2
82400106 FHCS M3x10mm
- 2
82400176 FHCS M3x15mm
- 1
68480036 Shim 1mm
- 2
IN B
77500156 BAG
Suspension Hanger Insert
- 1
RF
77500126
RF Suspension Mount



REAR HANGER INSERTS

RF	RR	TOE	SQUAT
		+1.6	0
		+1.6	+0.7
		+1.6	+1.4
		+1.6	-0.7
		+1.6	0
		+1.6	+0.7
		+1.6	-1.4
		+1.6	-0.7
		+1.6	0
		+1.6	0
		+0.8	0
		0	0
		+2.5	0
		+1.6	0
		+0.8	0
		+3.0	0
		+2.5	0
		+1.5	0
		+3.5	+2

Note: SB401 Plastic Antisquat
Shims=1mm=1Degree.



Part Bags used.



Apply threadlocker (screw cement)



Assemble in the specified order.



C2 Rear L/R Hub Carrier Assembly

PR SCT10

2
82400026 FHCS M3x8mm

4
80400016 BHCS M2.5x4mm

2
66401096 CVA Bushing

2
89430030 10x15x4mm Bearing

2
89430020 5x13x4mm Bearing

2
79480036 3x52mm Pin

2
79400036 3x36.8mm Pin

2
79400016 2x10.8mm Pin (Black)

2
79400086 2x9.8mm Pin (Silver)

2
87400067 SHCS M2x6mm

1
52000014 PR SCT 10 RR Suspension Mount

2
68480056 Rear hub

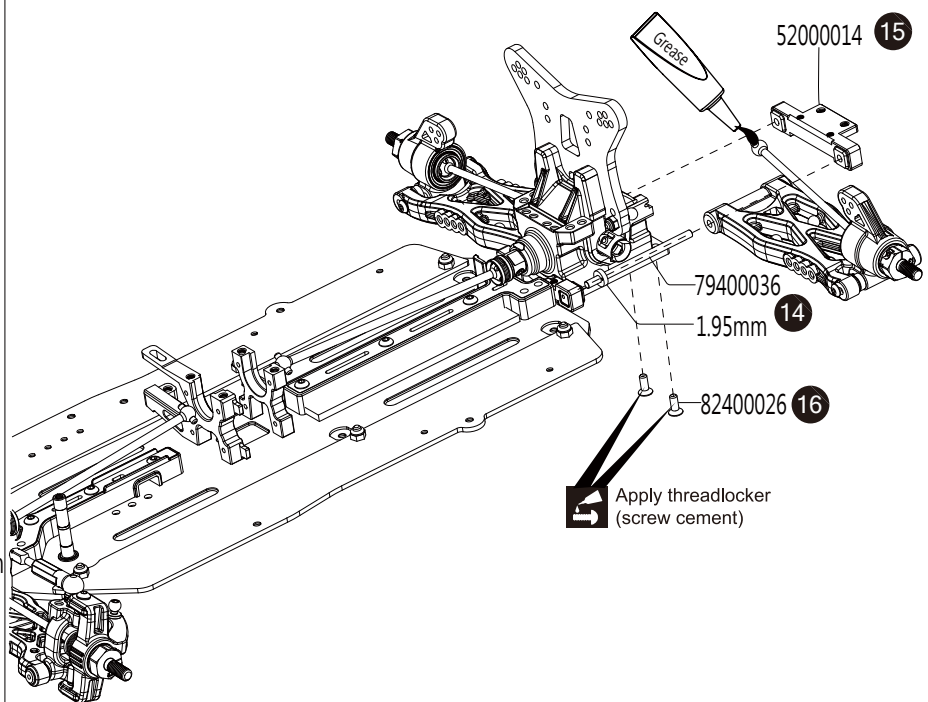
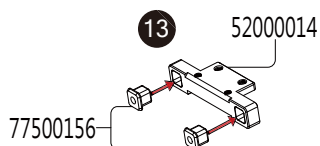
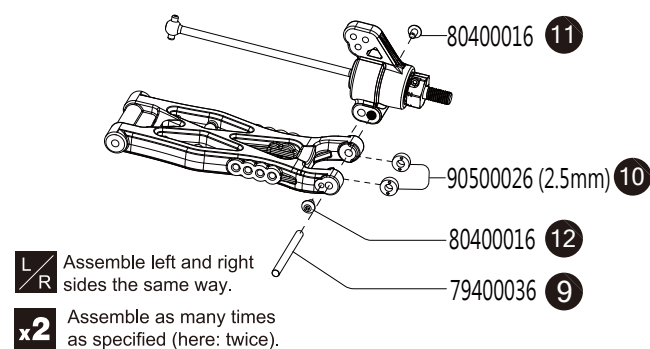
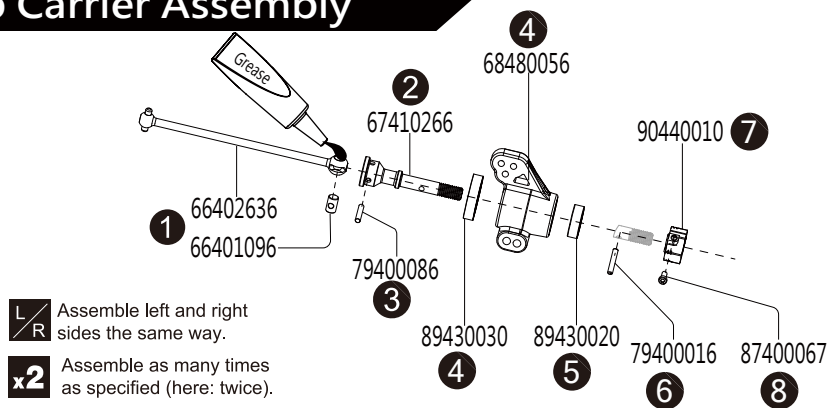
2
90440010 Wheel Hex x 6.2mm

2
67410266 Stub Axle m5

2 IN B
77500156 Suspension Hanger Insert BAG

2.5mm
1.95mm
2.5mm
90500026 Lower gull Wishbone (Rear 1pr)

2
66402636 Dogbone Drive Shaft 78mm



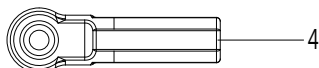


BAG
C

C3 Rear Upper Turnbuckle Assembly

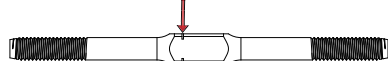


68430036 4.8mmx6mm Ball Studs



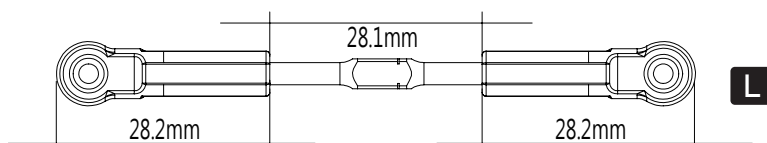
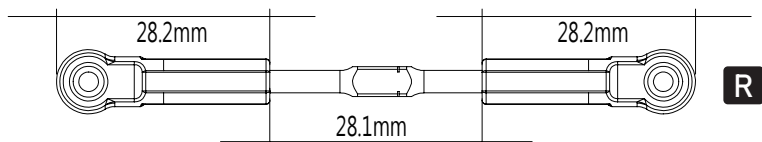
66400066 Rod End (28.2mm)

One side is reverse threaded.



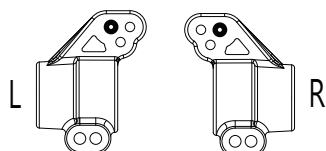
77430056 50mm Turnbuckles—2

1:1

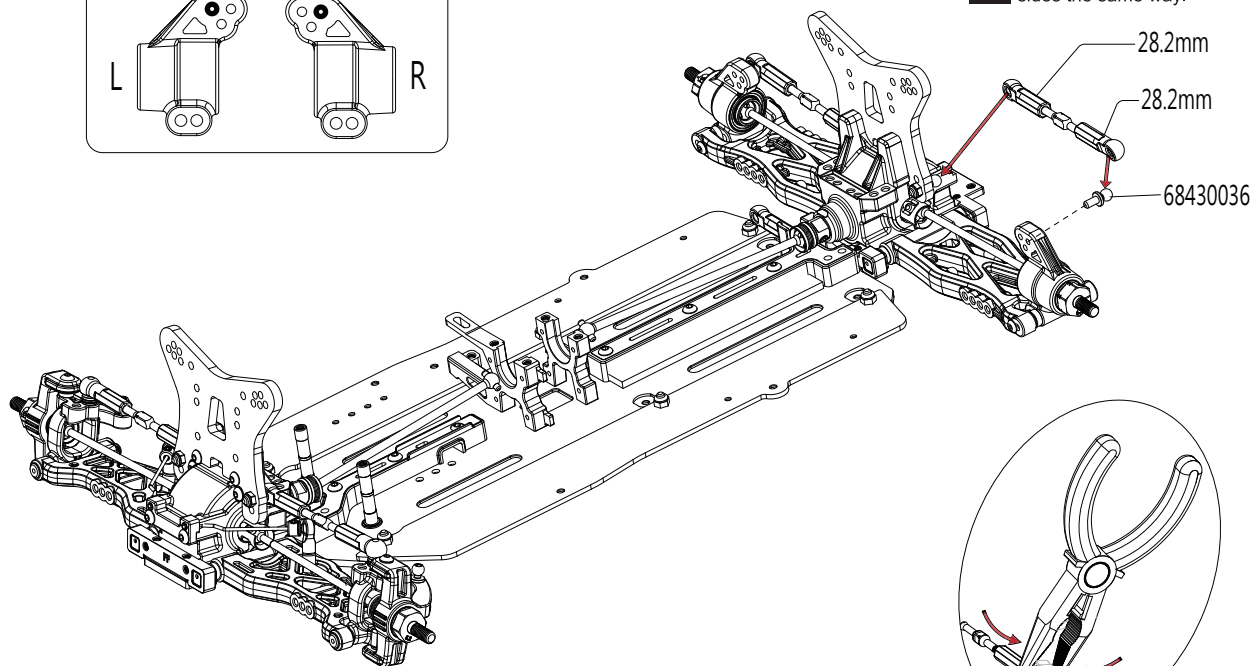


L
R

4.8mmx6mm Ball Studs Location



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



Part Bags used.



Assemble left and right sides the same way.

1:1

True-to-scale diagram.



C4 Rear Sway Bar Installation



80400036 BHCS 3x8mm



87400016 Set Screw M3x3mm



78400026 Set Screw M3x6mm



87400026 Set Screw M3x10mm



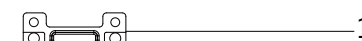
77430126 Rod End 3x4.85x13.75mm



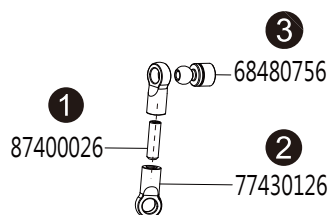
68480756 Anti-Roll bar Balls (2.1mm)

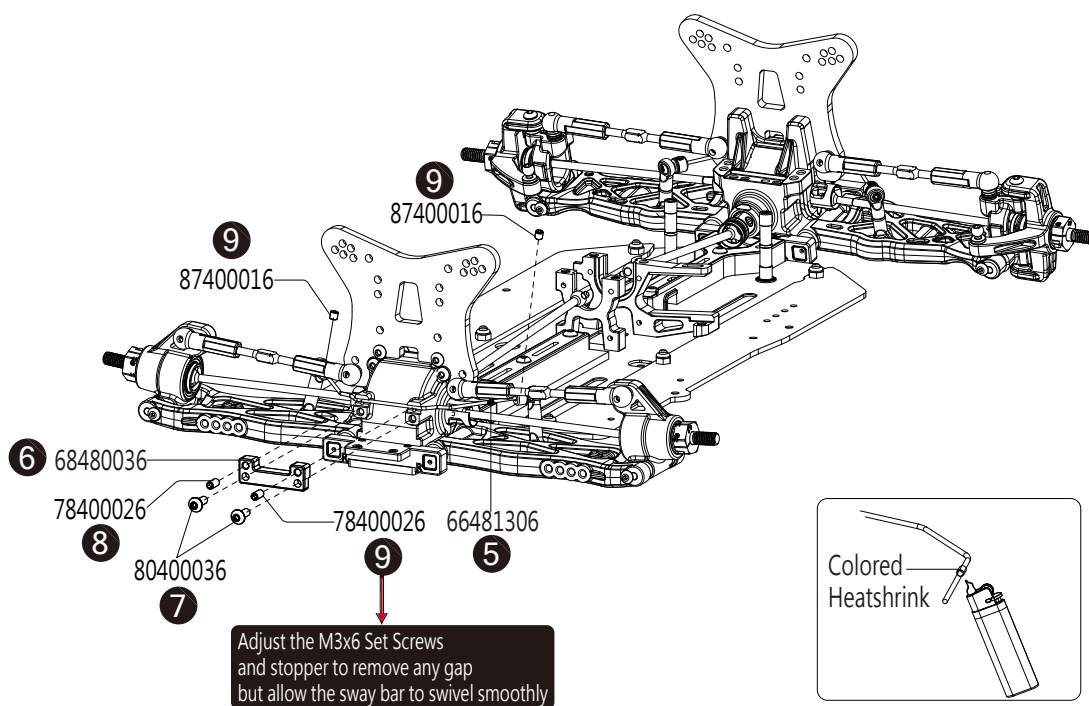
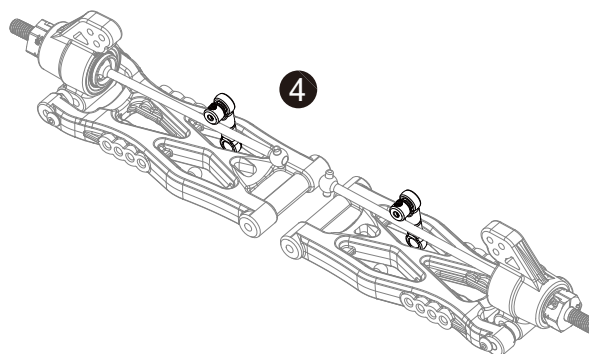
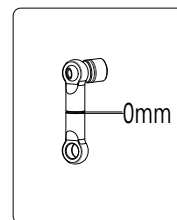


66481306 Sway Bar (1.6mm)



68480036 Sway Bar Mount


 Assemble
2 sway bar rod.

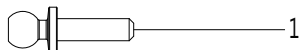
 Assemble in the
specified order.
Colored
Heatshrink



D1 Steering



68430036 4.8x6mm Ball Studs 2



68430076 4.8x10mm Ball Studs 1



80400046 BHCS M3x10mm 2



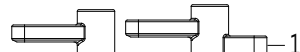
00430025 Steering Knuckle Bushing 2



85430026 Shim 3x10x0.8mm 2



83400026 M3 Lock Nut 3



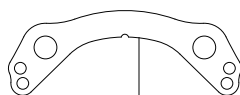
68480036 Steering Linkage Set 1pr



93470036 Carbon Ackerman Plat 1



Assemble in the specified order.



93470036

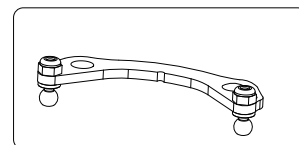
83400026

2

83400026

68430036

68430036



Apply threadlocker (screw cement)

80400046

80400046

7

Adjust the BH M3x10mm Screws remove any gap but allow the Steering to swivel smoothly.

00430025

00430025

6

85430026

68430076

85430026

5

68480036

68480036

4

3

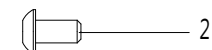
83400026



D2 Steering



66400756 5x8x2.5mm Bearing 4



80400026 BHCS 3x6mm 2



20220004 Carbon Steering Brace 2



85440090 Shim 5x8x0.1mm 2



Apply threadlocker (screw cement)

80400026

80400026

5

85440090

20220004

4

66400756

85440090

3

66400756

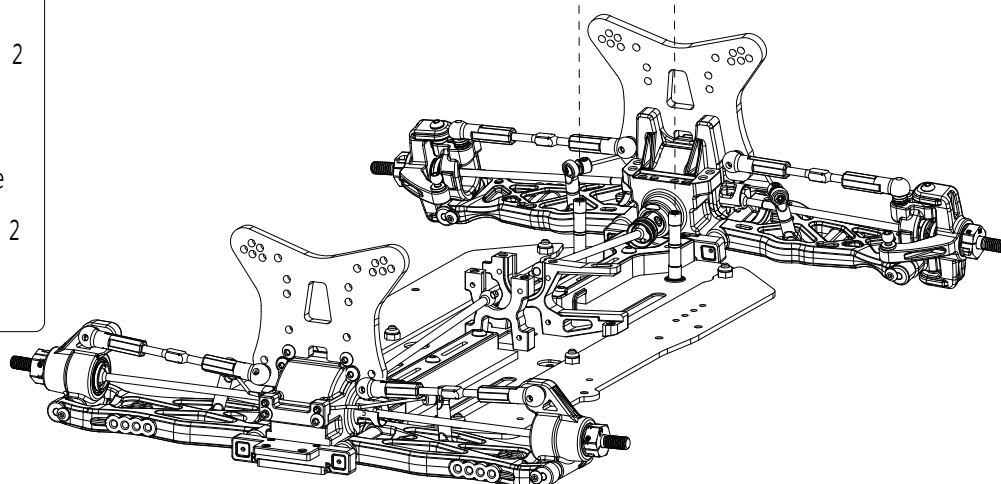
66400756

2

66400756

66400756

1



Part Bags used.



Assemble in the specified order.



Apply threadlocker (screw cement)



Do not over tighten.



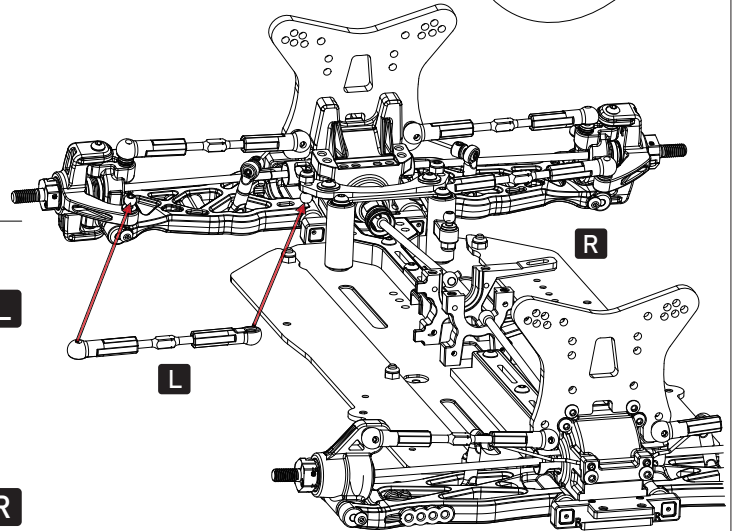
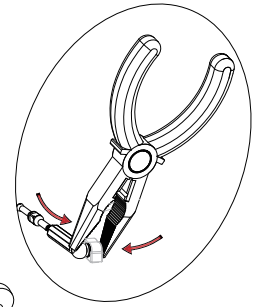
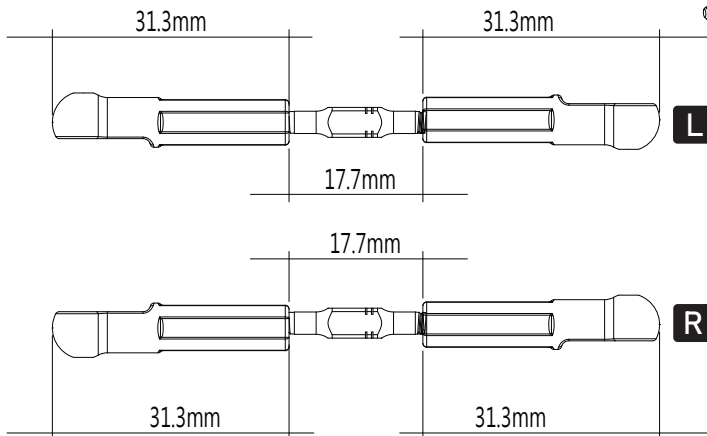
D3 Turnbuckle Assembly-Steering Rod

One side is reverse threaded.

66400346 36mm Turnbuckles

66400066 Rod End (31.3mm)

1:1



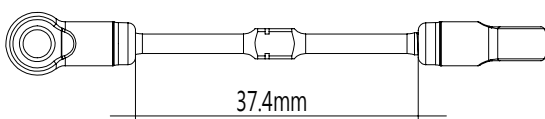
D4 Turnbuckle Assembly-Servo Rod

One side is reverse threaded.

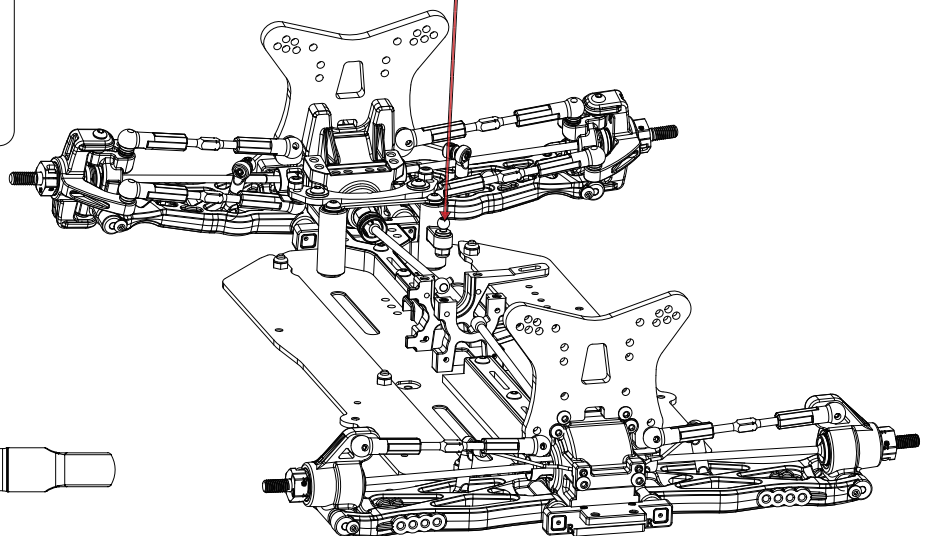
67410156 M3x52mm Turnbuckle

77430127 3x4.85x17.3mm

1:1



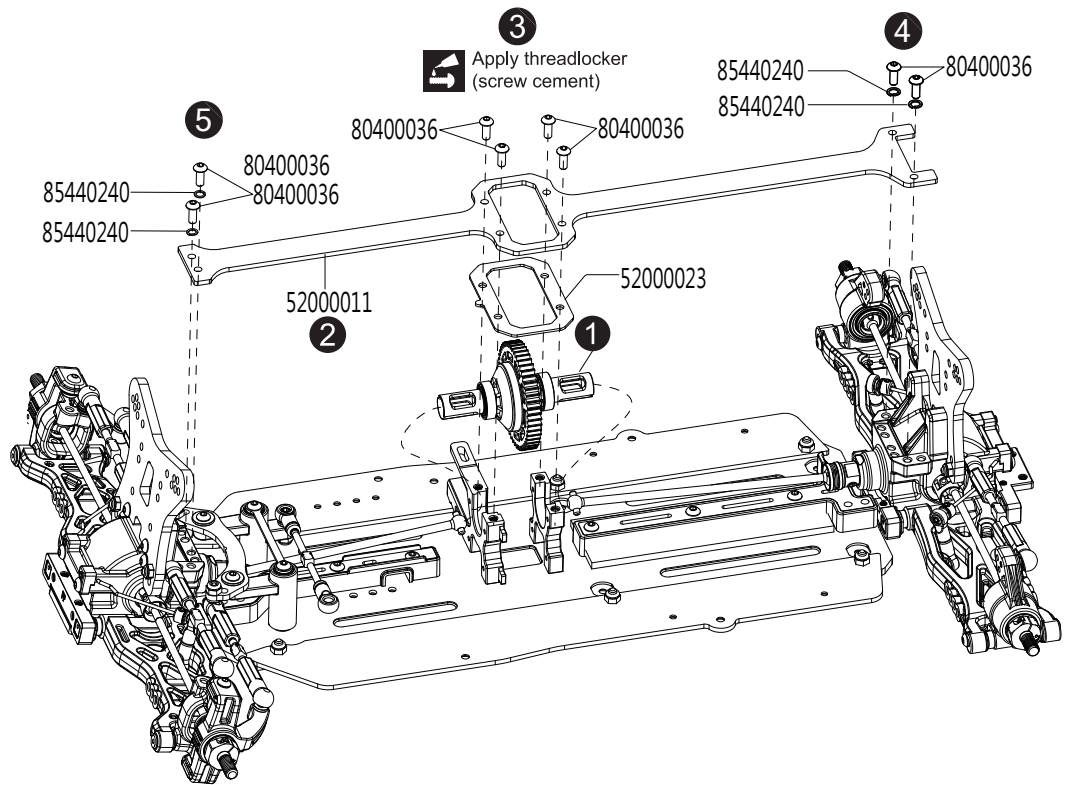
67410156
77430127 77430127





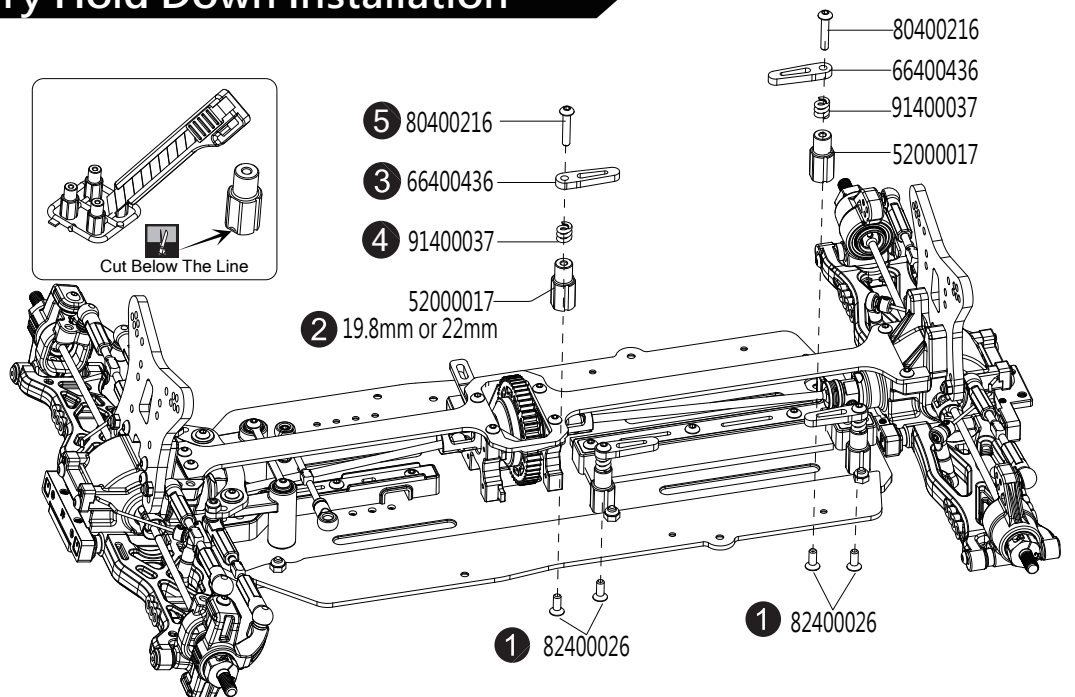
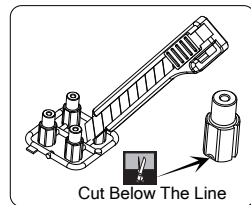
D5 Top Deck Installation

-  4
85440240 M3 antislip shims
-  8
80400036 BHCS M3x8mm
-  1
52000011 One Piece Fibre Top Deck
-  1
52000023 Center Mount Plate 1mm



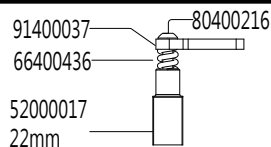
D6 Battery Hold Down Installation

-  4
82400026 FHCS M3x8mm
-  4
91400037 Carbon Fiber Battery Hold Down
-  4
66400436 Spring
-  4
80400216 BHCS M3x16mm
-  4
52000017 19.8mm
-  4
52000017 22mm
-  1
68410066
-  1
68410066

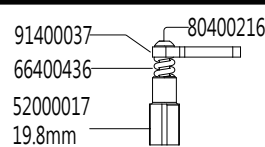


The 52000017 spacers come in 2 different heights (19.8mm or 22mm), please use the ones most suitable for your battery size.

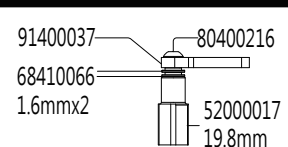
Battery height 25mm



Battery height 22.5mm



Battery height 19.5mm



Part Bags used.



Assemble in the specified order.



Apply threadlocker (screw cement)



Cut Below The Line

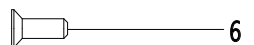


BAG
D

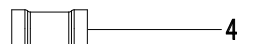
D7 Battery Retainer Installation



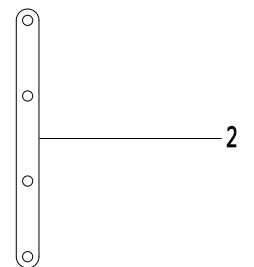
87400046 SHCS M2.6x6mm



82400096 FHCS M2.6x6mm



52000025 Aluminum pillars



52000012 Battery separator



Assemble left and right
sides the same way.



Apply threadlocker
(screw cement)

87400046

52000012

52000025

82400096



Apply threadlocker
(screw cement)

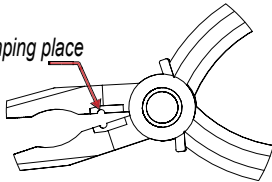




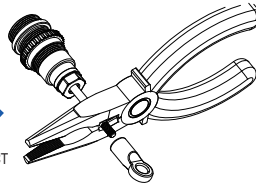
E1.1 Front & Rear Shock Assembly

!
IMPORTANT

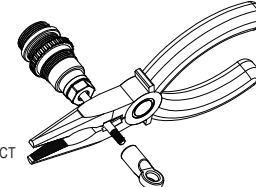
Clamping place



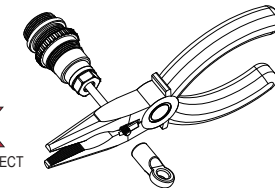
✓
CORRECT



✗
INCORRECT



✗
INCORRECT

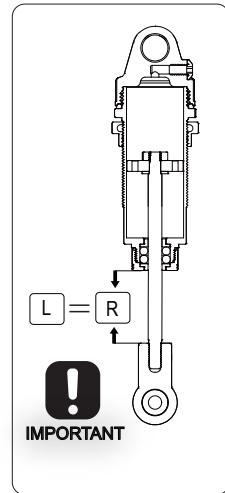


✓
CORRECT

Twist the shock rod through the lower shock body assembly.

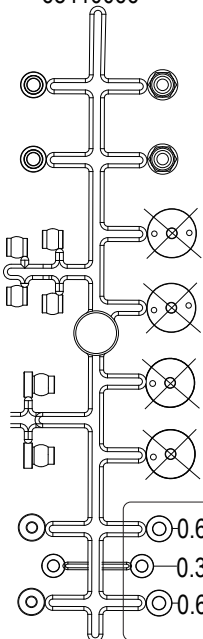
✗
INCORRECT

EXTREMELY IMPORTANT



Rear Buildx2
Front Buildx2
Initial setting

68410066 — 2



SETUP TIP:
The 0.1mm Stainless shim is a tuning option. Use it to improve the seal and reduce oil leakage but it may reduce smoothness of shock action or leave it out for smoother action but there may be slight oil leakage.

m2.5 Do not over tighten (screw cement)

1

83400066 m2.5

Note The direction



shocks oil

17430118
13mm(1.8mmx2 hole)
Machined Shock Pistons

85440070-2.6x6x0.5mm

77410026
Front/Rear (51mm)

(14x1.2mm)
31280146 O-Rings

77430118
Rear/Front (13mm)

68410066
Shim 0.36mm

68410066 0.6mm

31430017 O-ring

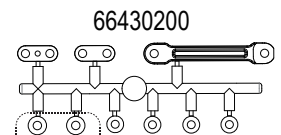
68410066 0.6mm

85440321
Shim
4x6.6x0.1mm
(Stainless)

77400116

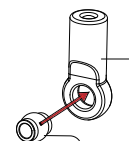
2

3



+1.1mm
Front

Front=31mm
Back=32mm

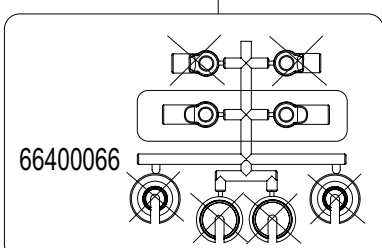


66401867

4



Front
66400066
Rear
66400066

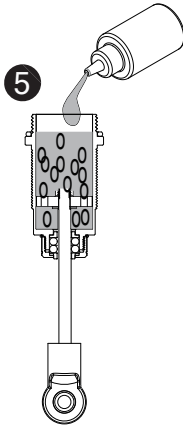




E1.2 Front & Rear Shock Assembly

PR5CT10

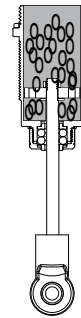
Front Build x2
Rear Build x2



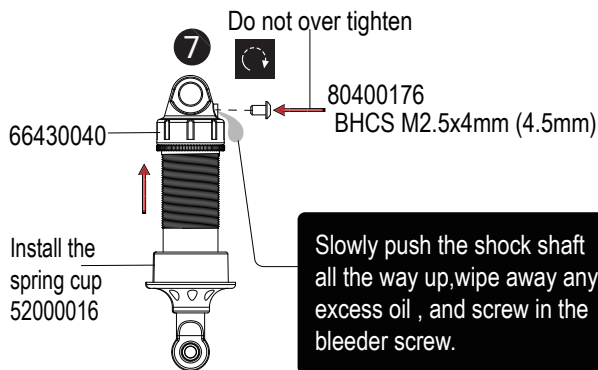
Initial Setting

Front shocks	oil	Rear shocks	oil
↑ 20°C	650Cst	↑ 20°C	600Cst
↓ 20°C	600Cst	↓ 20°C	550Cst

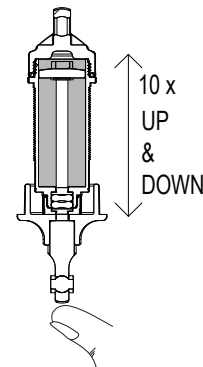
6



Slowly move up
and
down to remove
air bubbles.

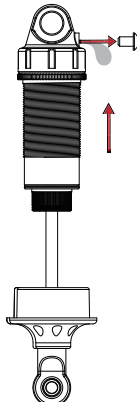


8



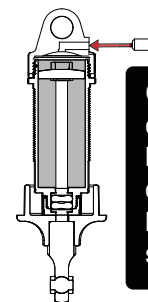
10 x push the
shaft up and down.

9



Untighten the screw.

10



Gently push the shock shaft
completely into the shock
body. Wipe away any excess
oil that flows through the
hole in the shock cap and
screw in the bleeder screw.



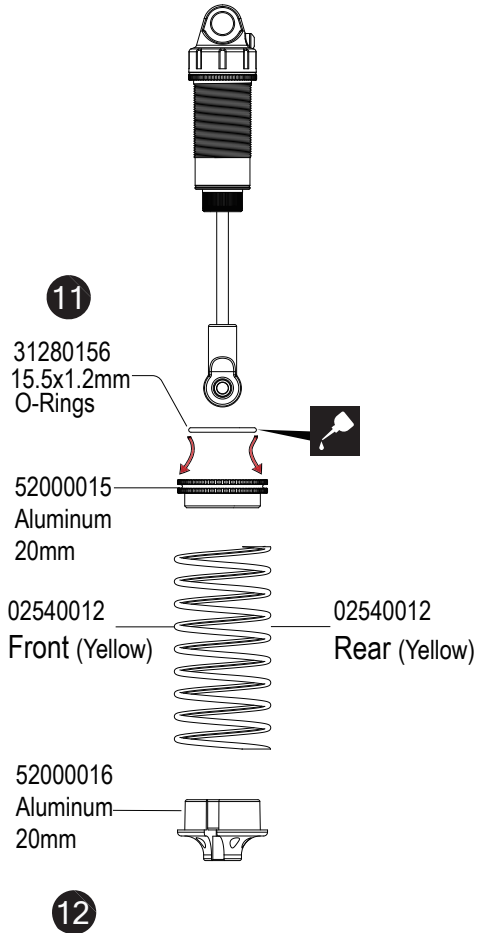


E1.3 Front & Rear Shock Assembly

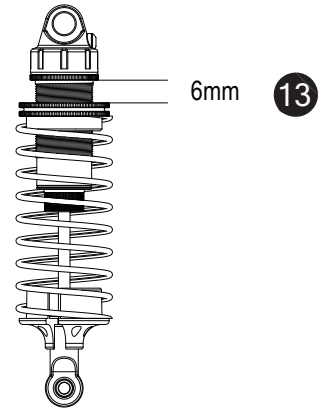
Front Build x2
Initial setting



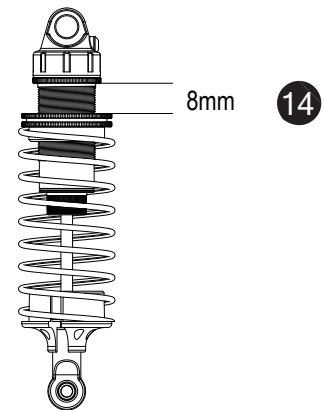
Rear Build x2
Initial setting



Front Build x2



Rear Build x2



PR SCT 10 Shock Spring Front & Rear

PART NO:	Color	kg/mm	lbs/in
02540010	White	0.055	3.08
02540011	Red	0.065	3.64
02540012	Yellow	0.075	4.20
02540013	Green	0.085	4.76
02540014	Black	0.095	5.32
02540015	Blue+Red	0.105	5.88

Option



Part Bags used.



Apply oil.



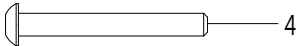
Assemble in the
specified order.



E2 Front & Rear Shock Assembly



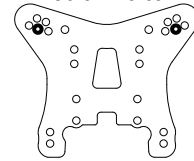
66400696 Aluminium Shock Stand off Set



80400076 BHCS M3x25mm

Rear

Screw holes

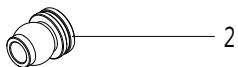
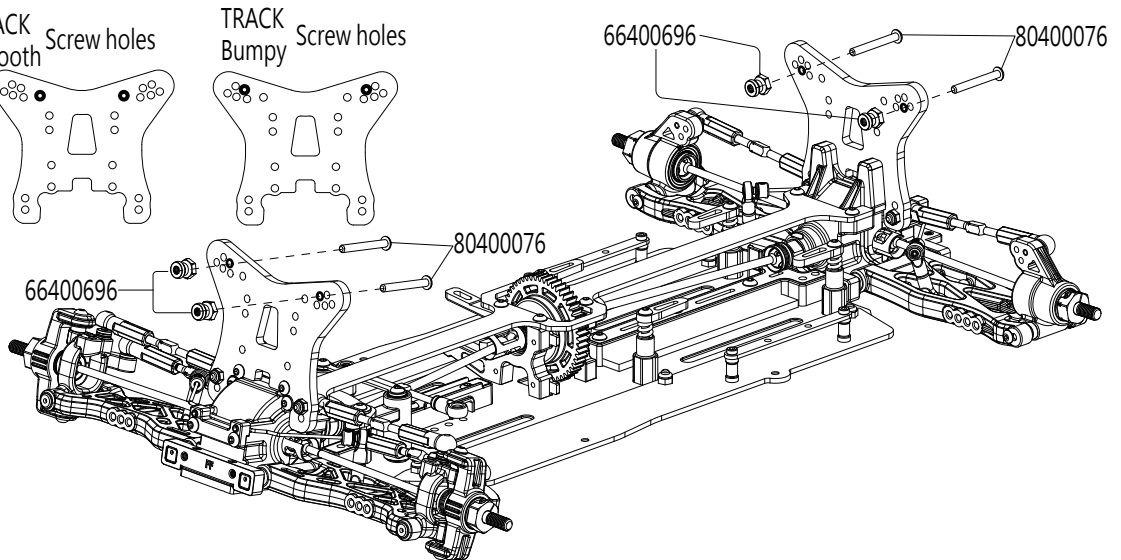


Initial Setting

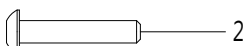
TRACK
Smooth Screw holes

TRACK
Bumpy Screw holes

Front



81430108 Shock Top
Bushing short type



80400216 BHCS M3x16mm



83400046 M3 Lock Nut



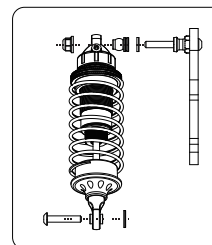
85440210 Shim 3x8x0.8mm



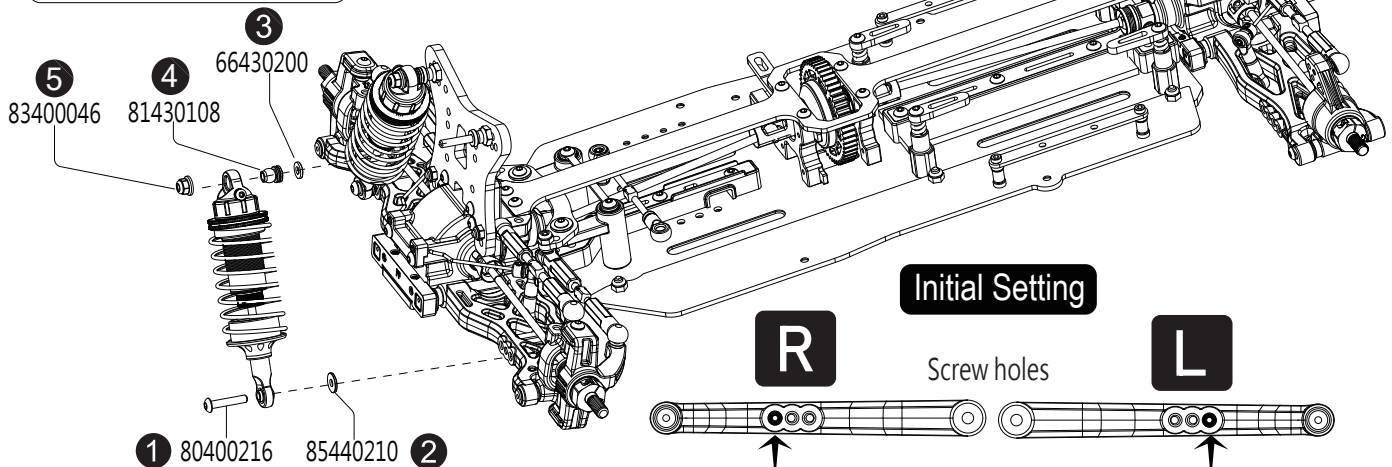
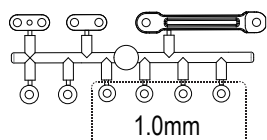
Assemble in the
specified order.



Assemble left and right
sides the same way.



66430200

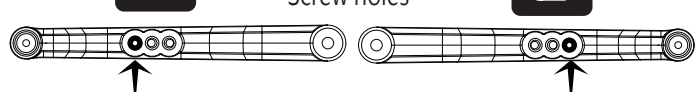


Initial Setting

R

Screw holes

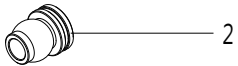
L



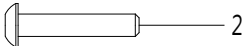


BAG
E

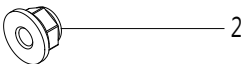
E3 Front & Rear Shock Assembly



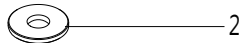
81430108 Shock Top
Bushings short type



80400216 BHCS M3x16mm



83400046 M3 Lock Nut



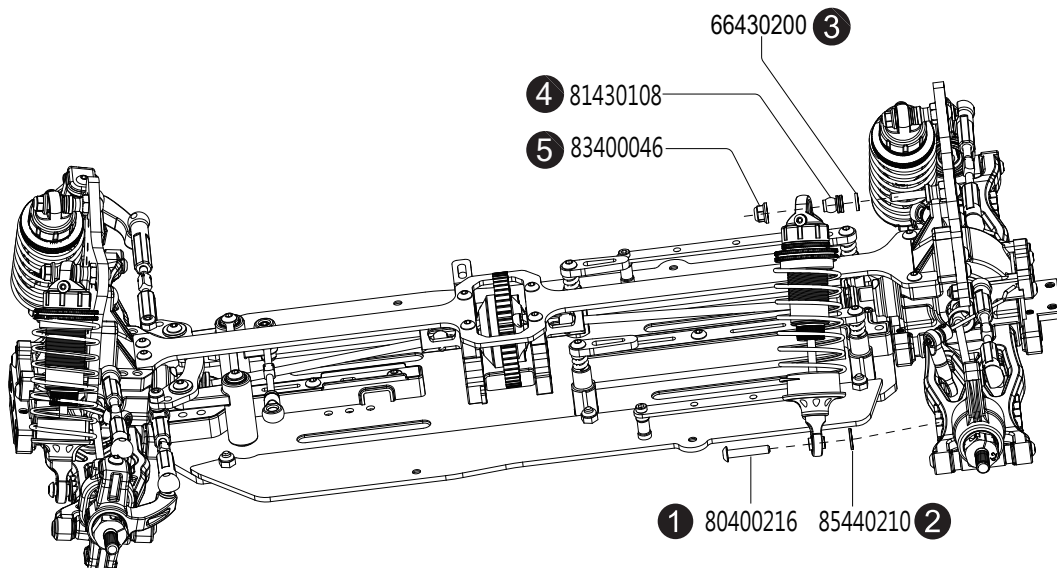
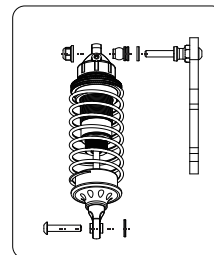
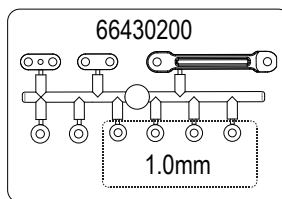
85440210 Shim 3x8x0.8mm



Assemble in the
specified order.



Assemble left and right
sides the same way.

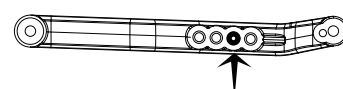
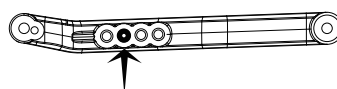


Initial Setting

R

Screw holes

L



Part Bags used.



Assemble in the
specified order.



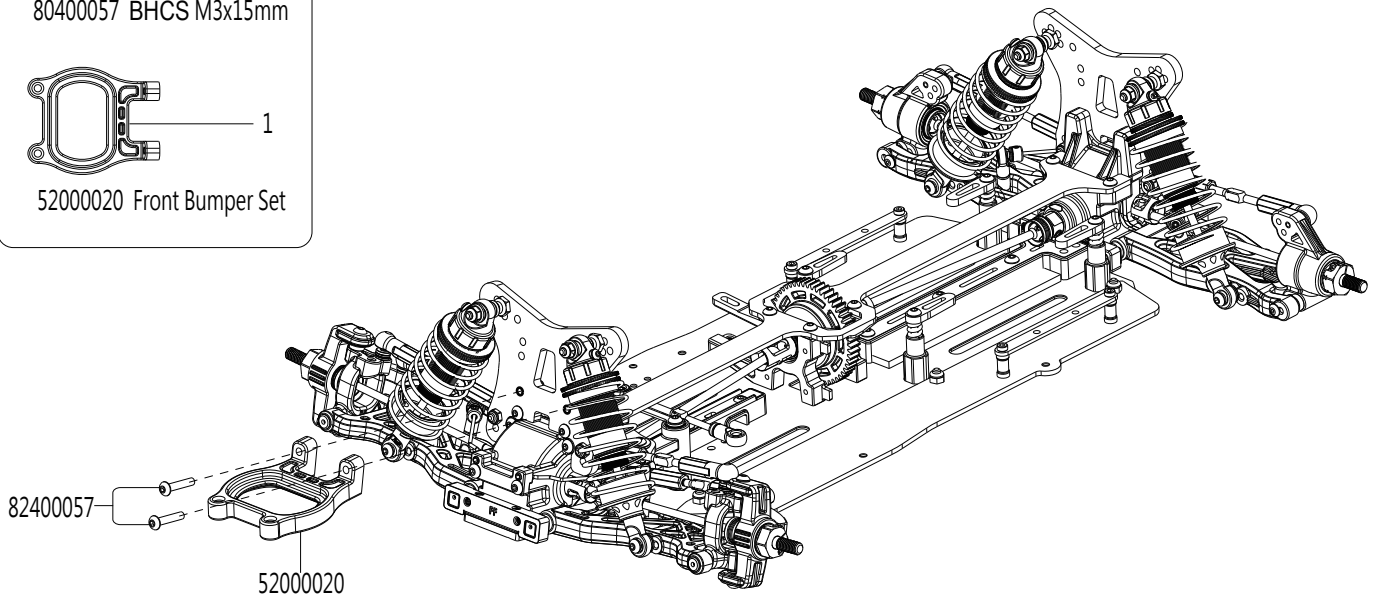
Assemble left and right
sides the same way.



F1 Front Bumper Installation

80400057 BHCS M3x15mm

52000020 Front Bumper Set

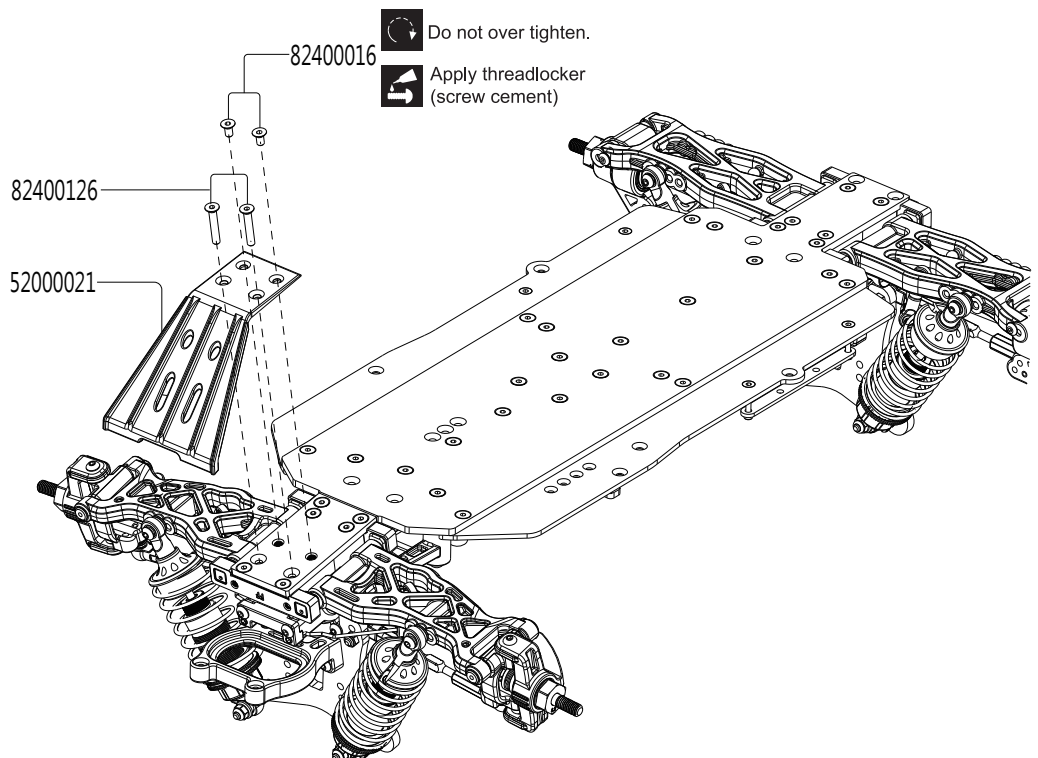


F2 Front Bumper Installation

82400126 FHCS M3x18mm

82400016 FHCS M3x6mm

52000021 Front Skid Plate



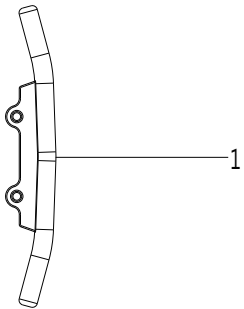


BAG
F

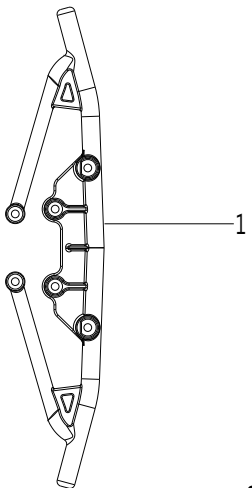
F3 Front Bumper Installation

4
82400036 FHCS M3x12mm

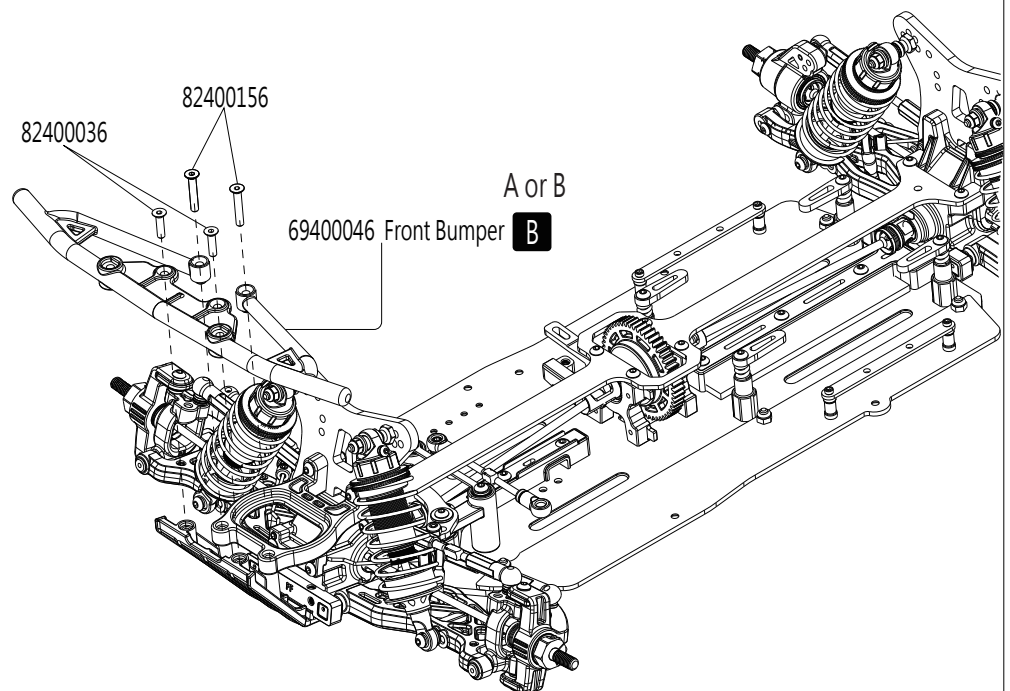
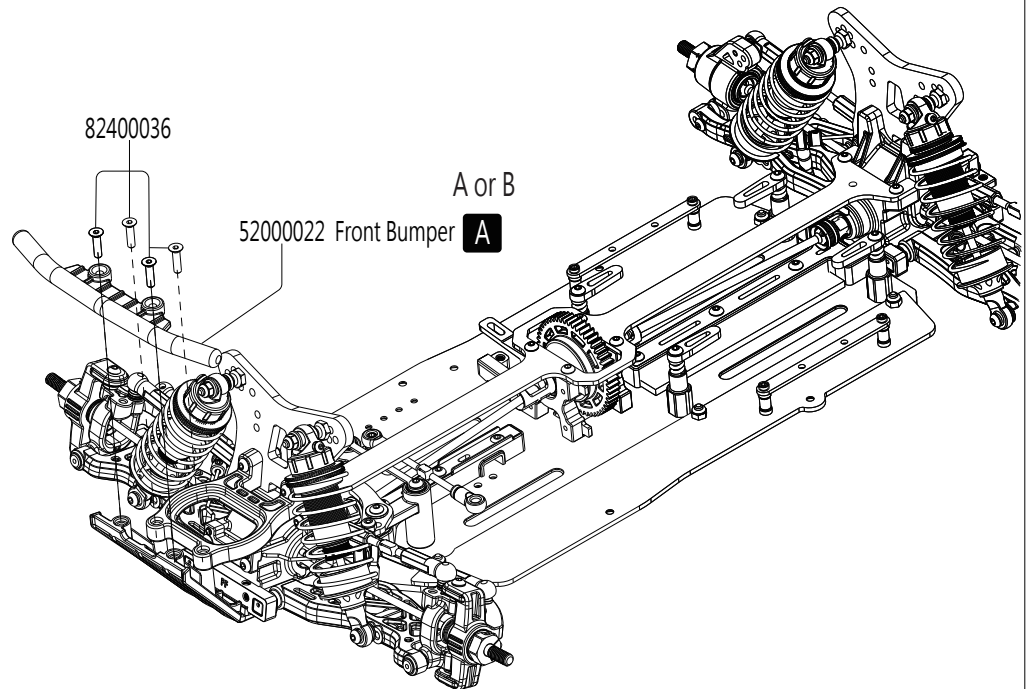
2
82400156 FHCS M3x22mm



52000022 Front Bumper **A**



69400046 Front Bumper **B**



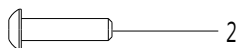


BAG
F

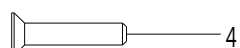
F4 Rear Bumper Installation



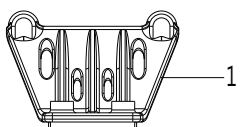
80400036 BHCS 3x8mm



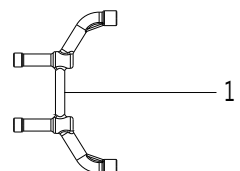
80400206 BHCS M3x12mm



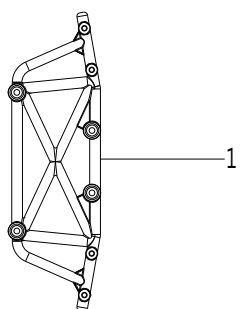
82400176 FHCS M3x15mm



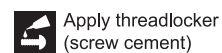
52000019 Rear bumper lower B



52000018 Rear Bumper Set



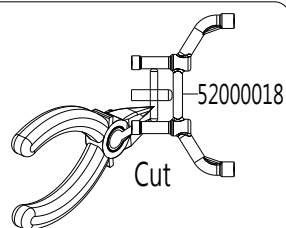
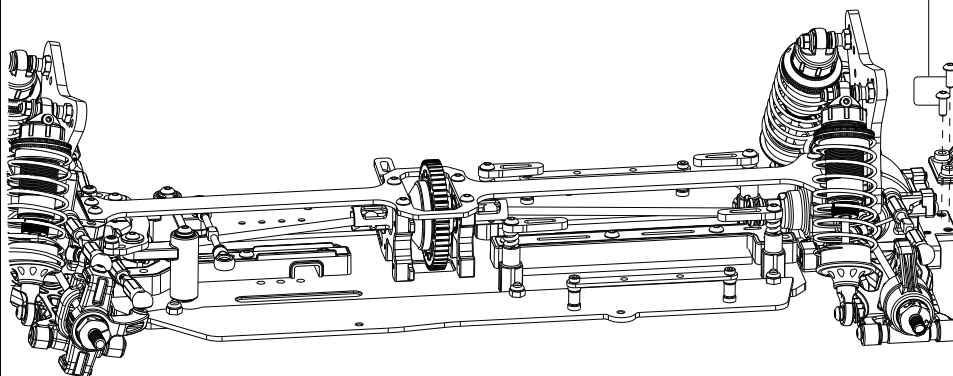
69400036 Rear Bumper Set



Apply threadlocker
(screw cement)

80400036

52000019

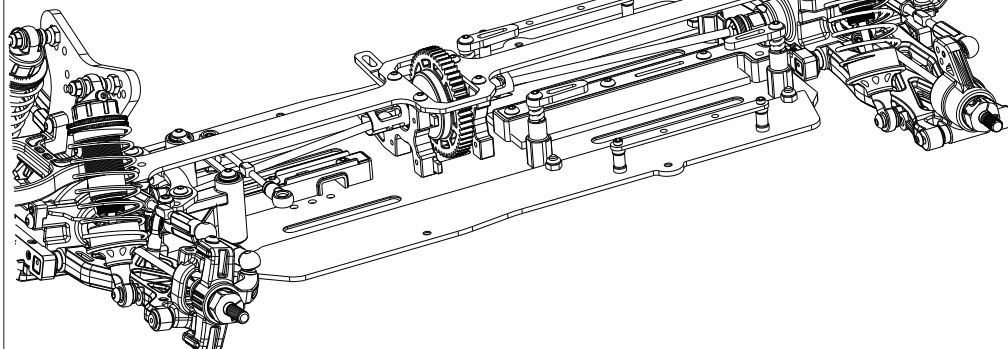


2 52000018

4 82400176

1 80400206

3 69400036



Part Bags used.



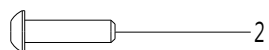
Apply threadlocker
(screw cement)



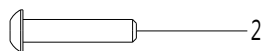
Assemble in the
specified order.



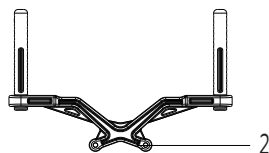
F5 Front & Rear Bumper Installation



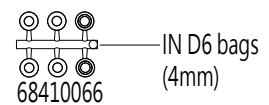
80400206 BHCS M3x12mm



80400057 BHCS3x15mm

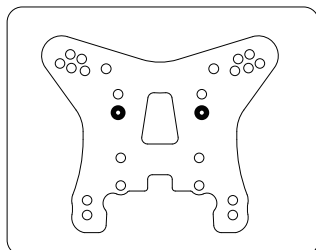


69400016 Body Mount Set

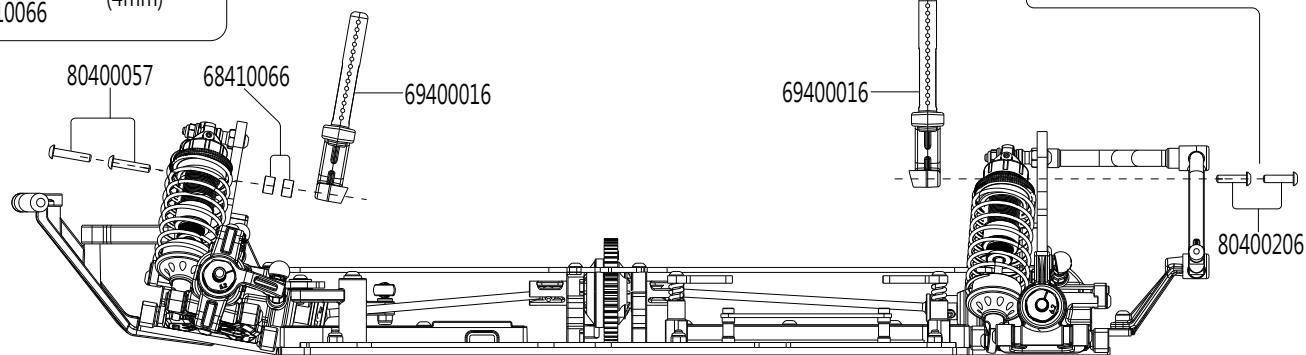
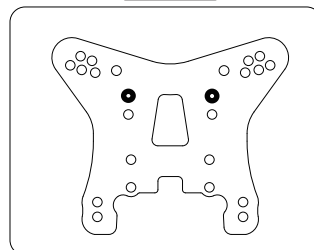


68410066 IN D6 bags (4mm)

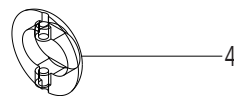
Front



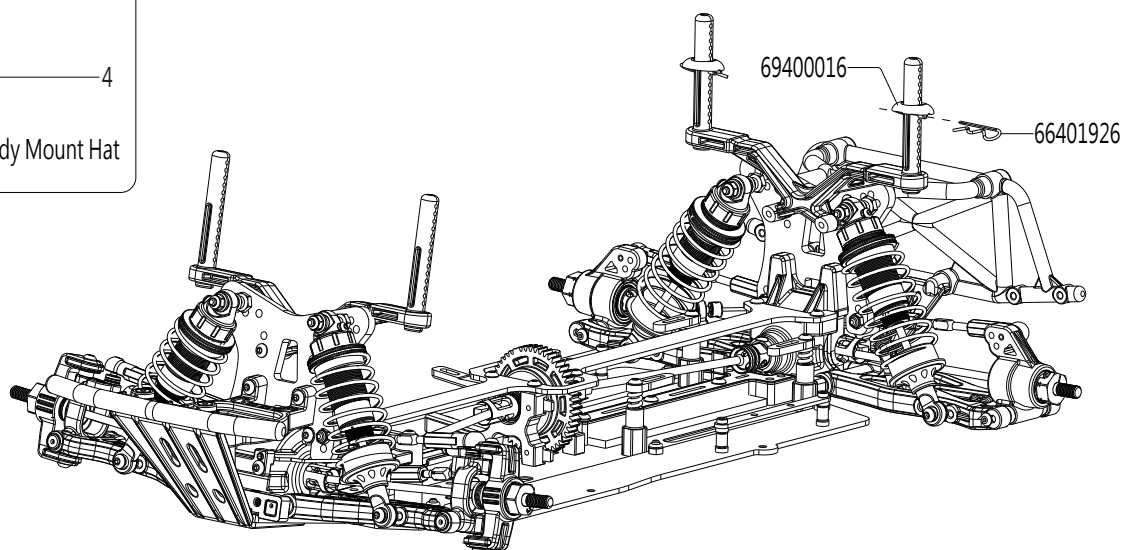
Rear



66401926 Snap Pin

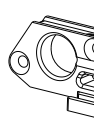


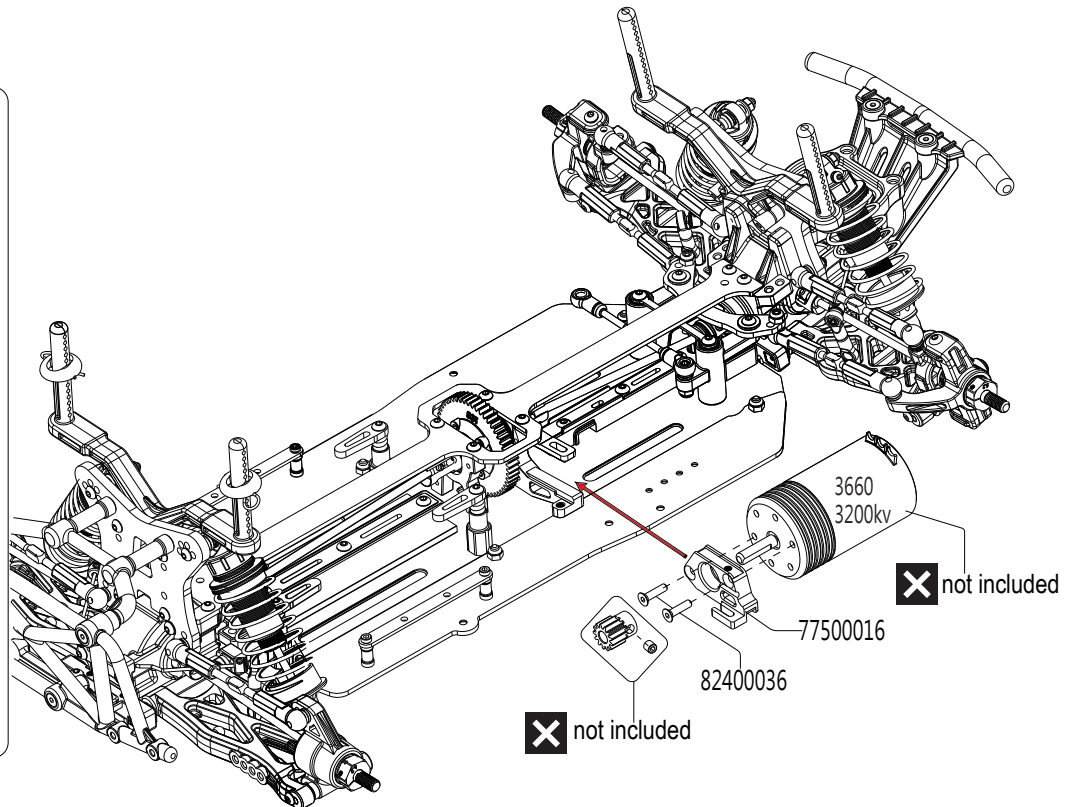
69400016 Body Mount Hat





F6 Motor Installation & Gear Ratio Chart

-  2
82400036 FHCS M3x12mm
-  2
80400046 BHCS M3x10mm
-  2
85440240 M3 antislip shims
-  2
85440301 Shim 3x6x0.5mm
-  1
77500016 Motor Mount



Gear Ratio Chart – Internal Gear Ratio 3.9:1
The following pinion gears will fit.

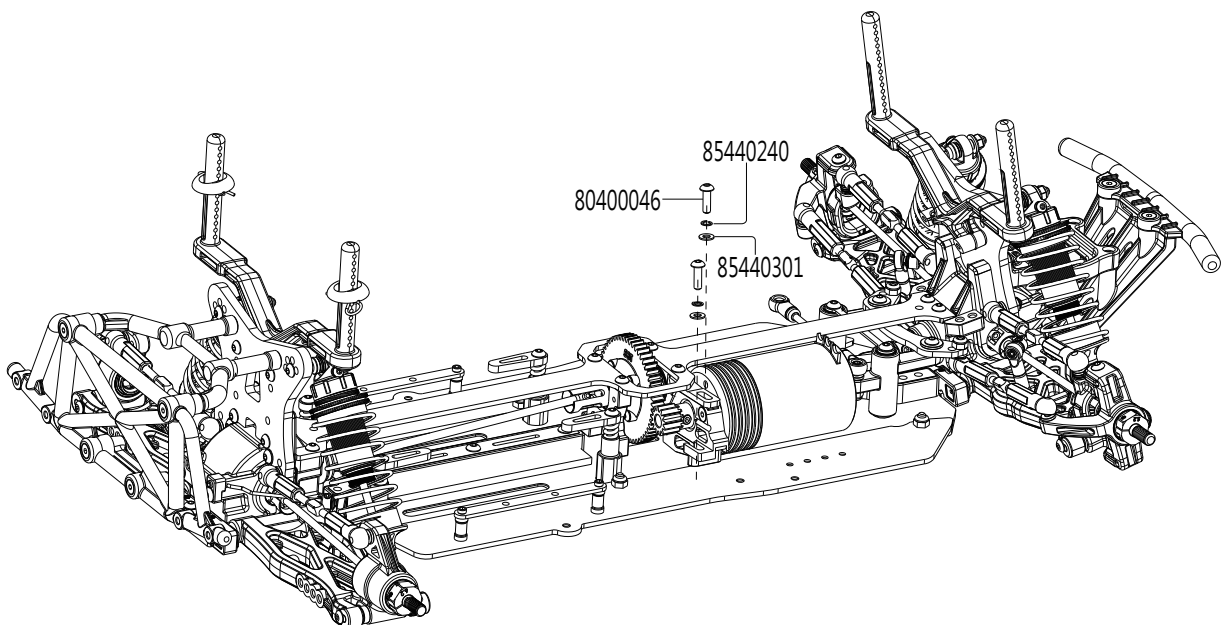
Motor Specifications 2poles/540/5500KV/Battery 2S
Motor Specifications 4poles/540/2600KV/Battery 4S

Pinion	17T	18T	19T	20T	21T	22T	23T	24T	25T	26T
80T(Spur Gear)48P	18.35	17.33	16.42	15.60	14.86	14.18	13.57	13.00	12.48	12.00

Gear Ratio Chart – Internal Gear Ratio 3.9:1
The following pinion gears will fit.

Motor Specifications 4poles/3660/3200KV/Battery 2S
Motor Specifications 4poles/3660/3200KV/Battery 4S

Pinion	13T	14T	15T	16T	17T	18T	19T			
53T(Spur Gear)32P	15.9	14.76	13.78	12.92	12.16	11.48	10.88			





F7 Servo & Fan Mount Installation

6
80400046 BHCS M3x10mm

4
80400026 BHCS M3x6mm

1
82400036 FHCS M3x12mm

4
82400016 FHCS M3x6mm

2
82400096 FHCS M2.6x6mm

4
85440211 Shim 3x8x1mm

1
68430086 4.8mmx6mm
Ball Studs Lower 0.8mm

1
83400106 M3 Lock Nut

1
85440240 M3 antislip shims

23T 25T
66402466 Servo horns

1
77500057 Servo Mount A

1
77500058 Servo Mount B

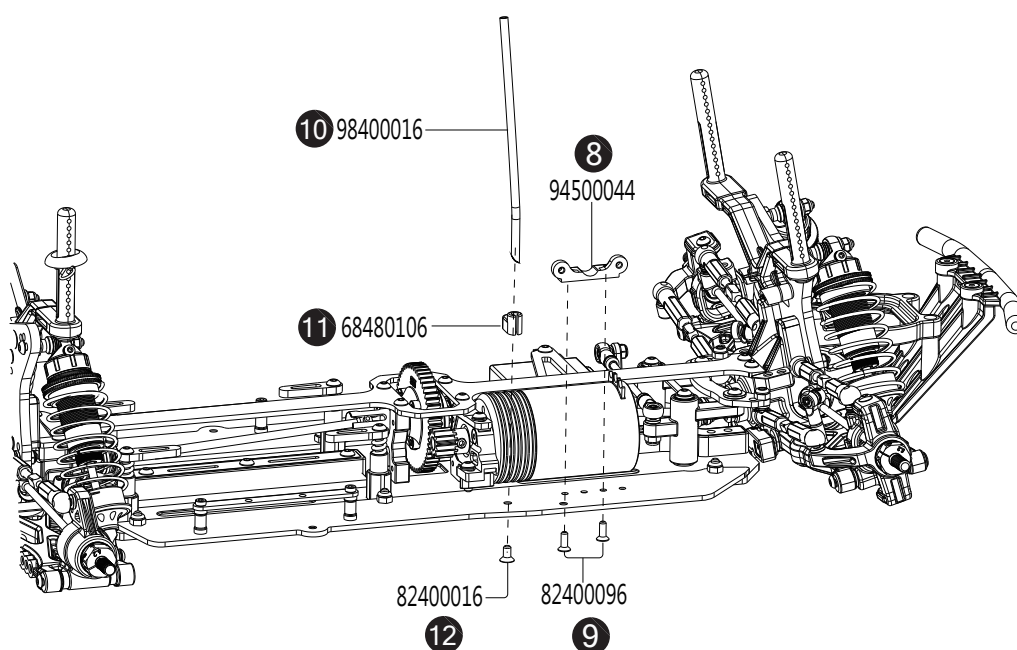
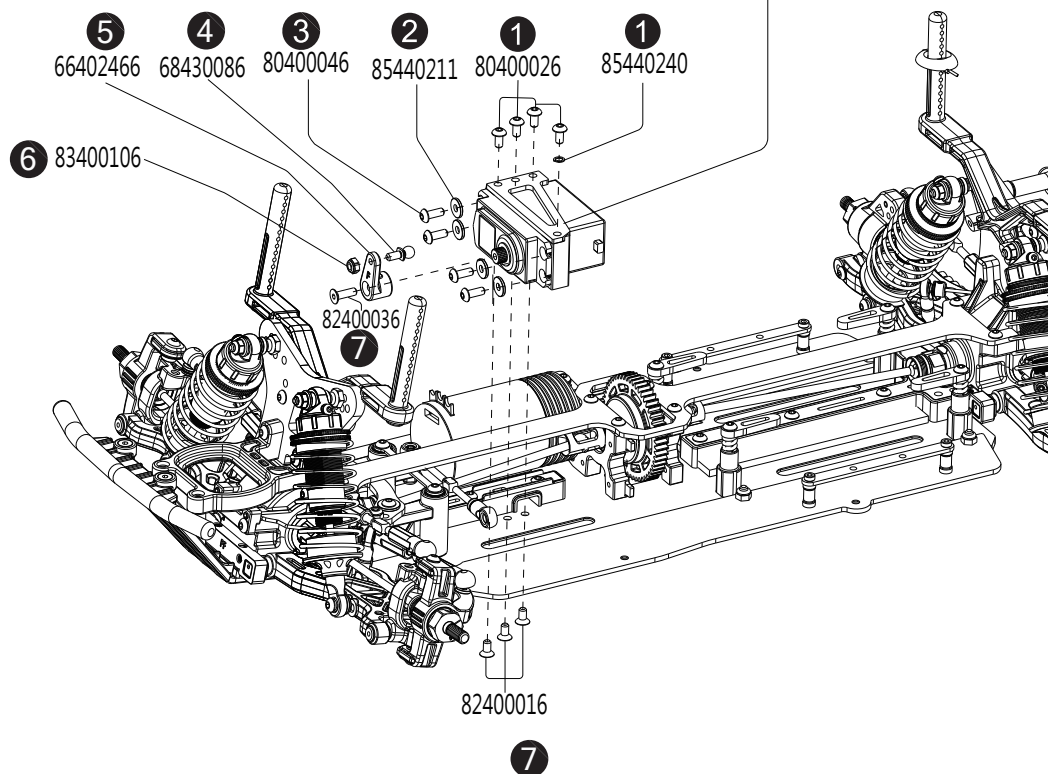
1
20220007
servo machine supports

1
94500044 Fan seat

1
98400016 Antenna Tube

1
68480106

77500057
20220007
77500058



Part Bags used.

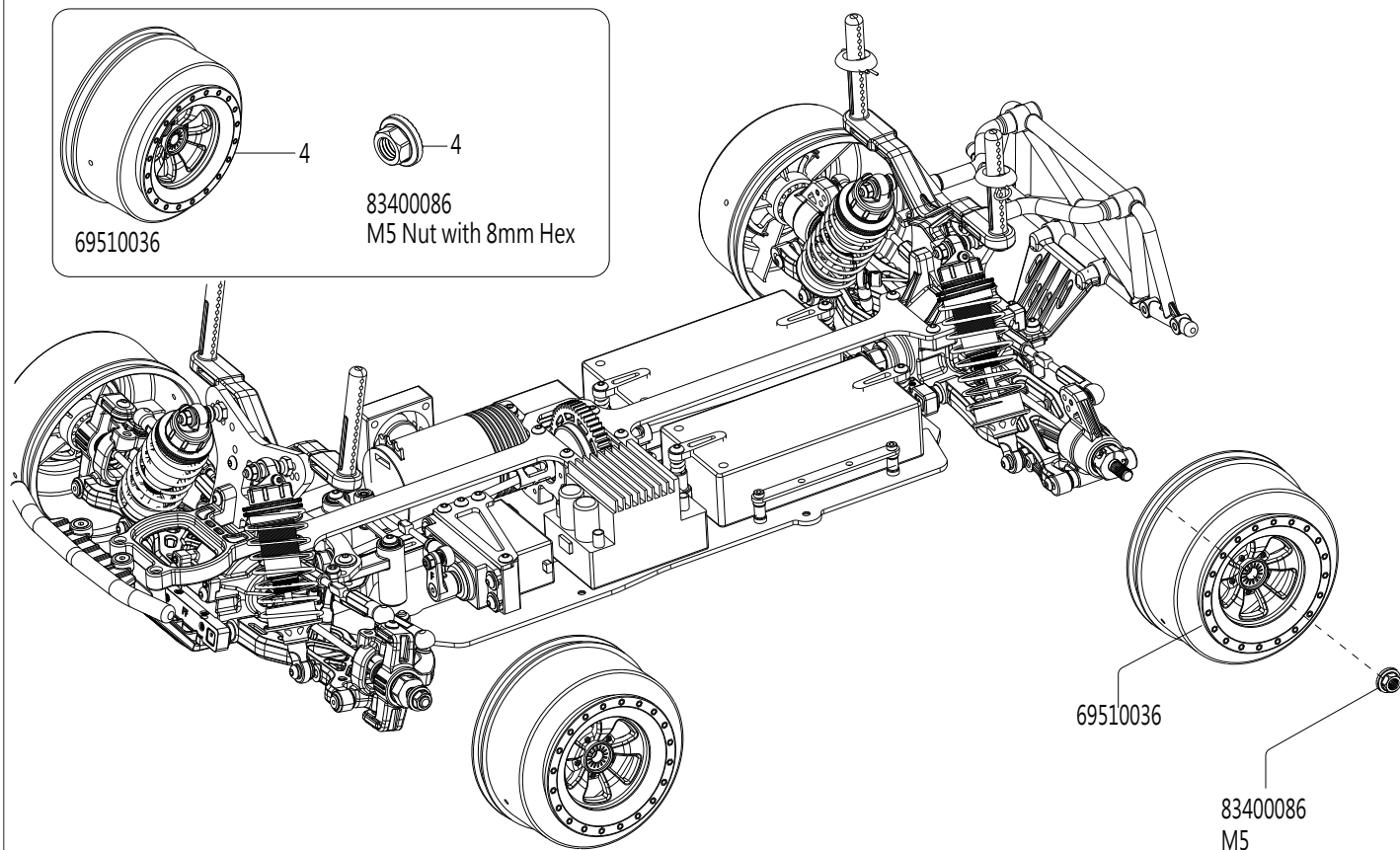


Assemble in the
specified order.

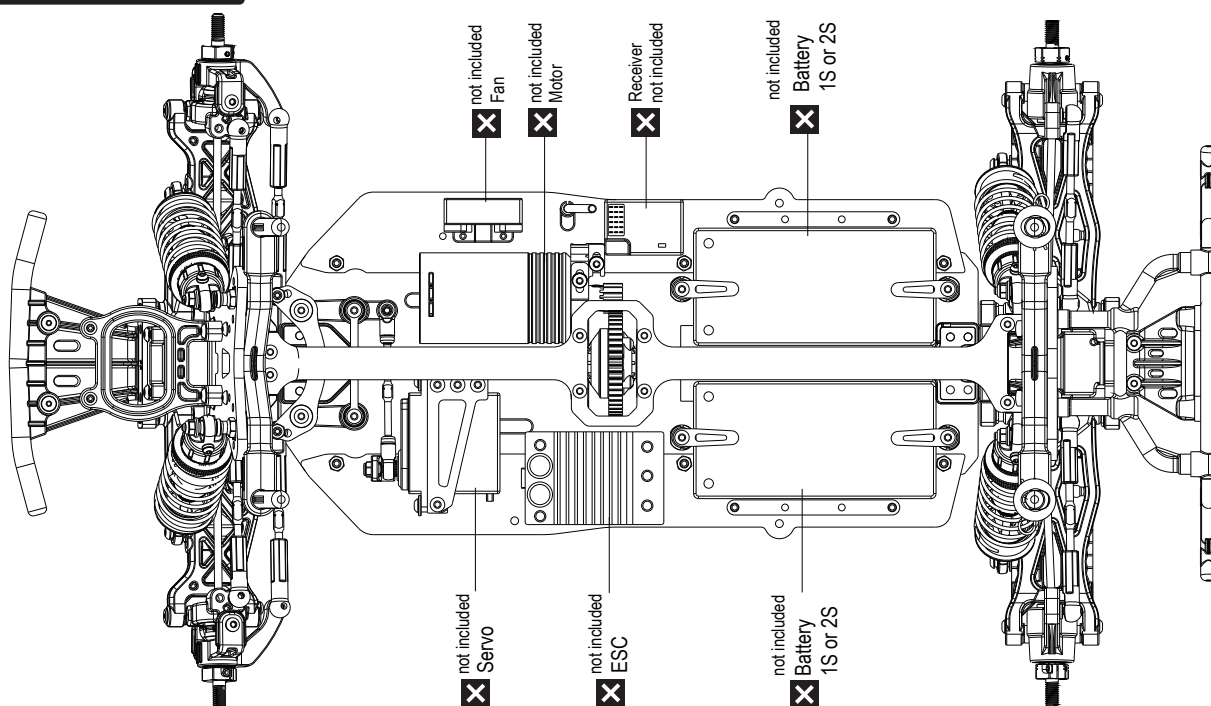


BAG
F

F8 Wheels & ESC Installation



Reference Configuration



PR SCT10 PR RACING TYPE R

1:10 Scale 4WD Electric Competition
Short Course Truck Kit

ITEM NO:69000045

Race			Name		
Track			Date		
Temperature	C	F	Best Lap Time	sec	

FRONT

Front Upper Turnbuckle ☐ mm
Camber ☐ mm
Steering Rod ☐ mm
TOE In Out ☐ mm
ALU C-Hub Shim ☐ mm
Offset ☐ mm
Anti-Roll ☐ mm
FF ☐ FR ☐
Caster ☐ 5° ☐ 8° ☐ 11°
Length ☐ mm
Oil ☐ Pistons ☐ Holes ☐ mm
Downstop ☐ Shim ☐ mm
Up stop ☐ Shim ☐ mm
Length ☐ mm
O Rings ☐ transparent ☐ Red
Camber ☐ mm
Ride Height ☐ mm
TOE In Out ☐ mm
Type R Shock Spring ☐

TRACK

Size	☐ Open	☐ Medium	☐ Tight
Traction	☐ Very-Low	☐ Medium	☐ Very-High
Surface	☐ Smooth	☐ Medium	☐ Bumpy
Type	☐ Clay	☐ Carpet	☐ Astro
Condition	☐ Blue Groove	☐ Hard Packed	☐ Dry
	☐ Dusty	☐ Loamy	☐ Wet

REAR

Anti-Roll ☐ mm
Offset ☐ mm
RF ☐ R ☐
Length ☐ mm
Camber ☐ mm
Oil ☐ Pistons ☐ Holes ☐ mm
Downstop ☐ Shim ☐ mm
Up stop ☐ Shim ☐ mm
Length ☐ mm
O Rings ☐ transparent ☐ Red
Camber ☐ mm
Ride Height ☐ mm
TOE In ☐ mm
Type R Shock Spring ☐

Motor

Spur Gear ☐ T

Pinion ☐ T

Esc

Servo

☐ Std. Profile Servo
☐ Low Profile Servo

Battery Size

☐ Std. Short
☐ Low Short

Front

Radio System

Tire

ST-DR

Inserts

ST-EXP

Wheels

ST-Speed

Rear

Radio System

Tire

TH-DR

Inserts

TH-EXP

Wheels

TH-Speed

Body

Aluminum Steering Knuckles
☐ # A2
☐ # A3
☐ # A4

Apply CA Glue if needed

FRONT ☐ REAR ☐

Cut pins

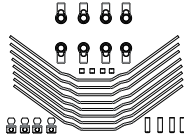
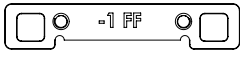
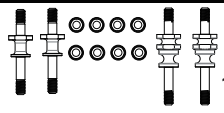
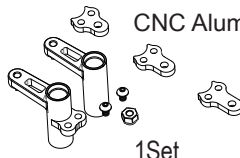
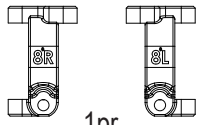
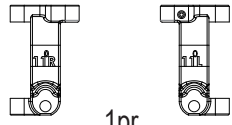
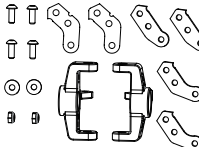
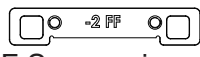
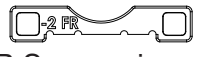
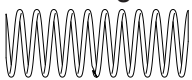
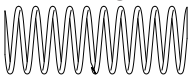
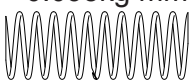
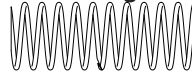
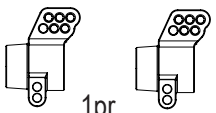
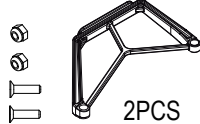
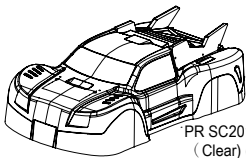
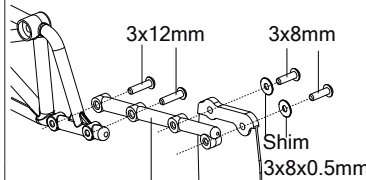
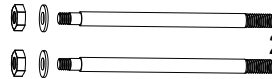
FRONT ☐ REAR ☐

Battery Battery

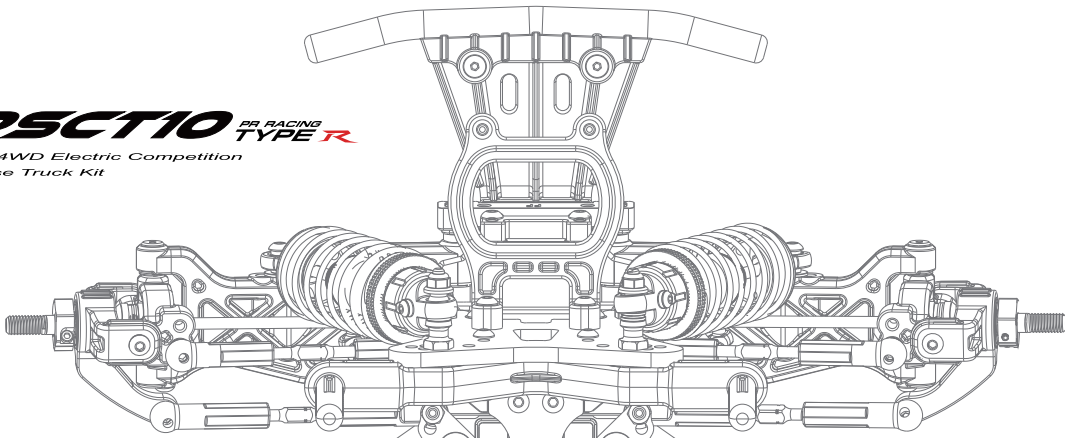
550 ☐ 540 ☐ 4S ☐ 2S ☐
Arm Shim ☐ mm
Servo Horn op standard ☐
CNC Aluminium ☐
Rear Hub Shim ☐ mm
Rear Hub Shim ☐ mm
Rear Hub Shim ☐ mm

Front Oil # ☐ Center Differential Oil # ☐
Rear Oil # ☐ 2/Gear ☐ 4/Gear ☐

Other

77480136  Sway Bar Set 1SET	77510030  FF Suspension Mount -1mm narrower	77510040  FR Suspension Mount -1mm narrower	68430090  14.2mm 1pcs Aluminum Servo Horn 25T
81430106  Front Rear Steel Shock Stand off Set 1Set	66402256  1PCS Servo Saver Post	66402266  1PCS Servo Saver Nut	68480526  1PCS Servo Saver Spring
66481256  CNC Aluminium 1Set	68480866  1pr Servo Saver Post	68480976  1pr Servo Saver Nut	77480160  Aluminum Steering Knuckles 1pr
77480216  Aluminum 1PCS	77510010  FF Suspension Mount -2mm narrower 1PCS	77510020  FR Suspension Mount -2mm narrower 1PCS	02540010  0.055 kg/mm 2PCS
02540011  0.065 kg mm 2PCS	02540012  0.075 kg mm 2PCS	02540013  0.085kg mm 2PCS	02540014  0.095kg mm 2PCS
02540015  0.105 kg mm 2PCS	68470016  Aluminum CNC Rear Hub 1pr	69400017  2PCS	69440050  PR SC201 body+ Sticker (Clear) (1)
69440010 66430380  3x12mm 3x8mm Shim 3x8x0.5mm 69440010 (2pcs) 66430380 (2pcs)	77470026  PR VB-10 body+ Sticker (Clear) (1)	74480027  2PCS TiN -Coated Shock Shaft (51mm)	52000024  2.5mm 1PCS

PR5CT10 PR RACING TYPE R
1:10 Scale 4WD Electric Competition
Short Course Truck Kit



Gear Ratio Chart - Internal Gear Ratio 3,9:1
The following pinion gears will fit.

550/Motor Specifications 4poles/3660/3200KV/Battery
4S

Tire outer diameter 110mm

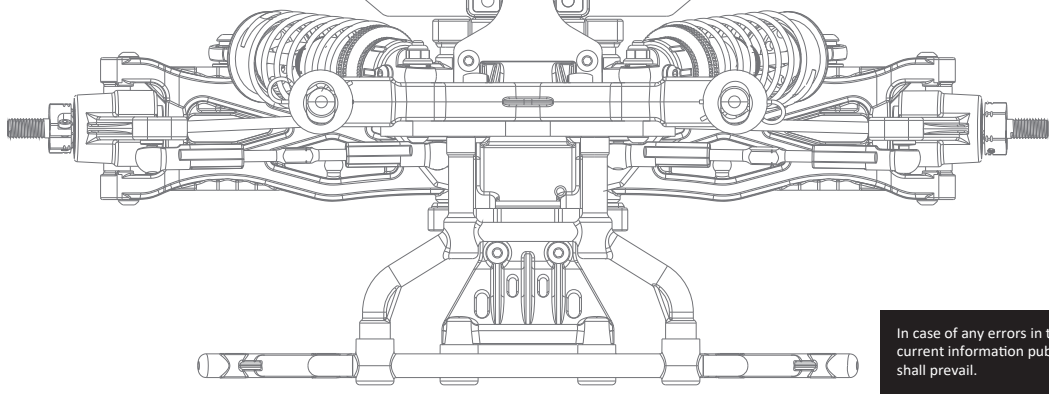
Pinion	13T	14T	15T	16T	17T	18T	19T			
53T(Spur Gear)32P	15.9	14.76	13.78	12.92	12.16	11.48	10.88			
Estimated speed KM (average voltage)	65.93	71.00	76.08	81.15	86.22	91.29	96.36			

Gear Ratio Chart - Internal Gear Ratio 3,9:1
The following pinion gears will fit.

540/Motor Specifications 4poles/540/2600KV/Battery
4S

Tire outer diameter 110mm

Pinion	17T	18T	19T	20T	21T	22T	23T	24T	25T	26T
80T(Spur Gear)48P	18.35	17.33	16.42	15.60	14.86	14.18	13.57	13.00	12.48	12.00
Estimated speed KM (average voltage)	46.41	49.14	51.87	54.60	57.33	60.06	62.79	65.53	68.25	70.98



In case of any errors in the manual, the most current information published by manufacturer shall prevail.

PR SCT 10

1:10 Scale 4WD Electric Competition Short Course Truck Kit



Manual Updates



EMAIL / infopracing@gmail.com

1.1.4Version