

PR R200X Rally

PR Racing R200X 4x4 1/10th electric rally kit (Semi Assembled Series)

PART NO: 55335022



R200X
PR RACING R200X and 1/10th electric rally
(Semi Assembled Series)

mit
MADE IN TAIWAN

4WD
1/10th Electric Rally



PR Racing R200X 4x4 1/10th rally

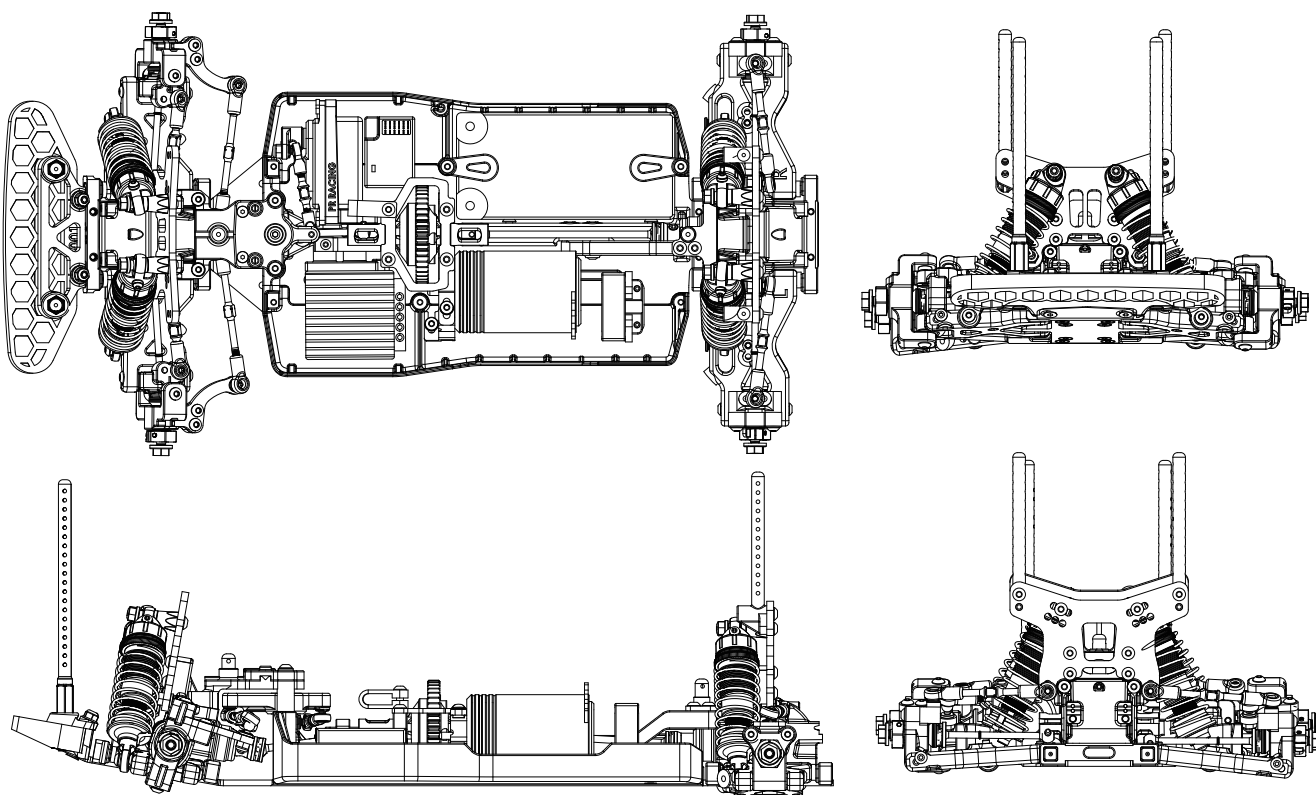
Semi Assembled Series

PR RACING

PR R200X

PR Racing R200X 4x4 1/10th electric rally kit. (Semi Assembled Series)

PART NO: 55335022



Specifications

- Scale: 1/10
- Type: 1/10th electric rally kit.
- Drivetrain: 4WD
- Surface: Off-Road
- Power Source: Electric
- Assembly level: Partially assembled
- Width: 198-200mm
- Wheelbase: 257-260mm
- Height: Varies
- Weight: varies

Suspension and Steering

- Metric 1.5mm, 2.0mm hex tools
- Metric 5.0mm, 5.5mm, 7.0mm, nut driver
- 2 Channel surface radio system
- 1/10 ESC, motor & pinion gear
- High power servo (low profile)
- 2S LiPo shorty battery & compatible Lipo charger
- Polycarbonate paint for body
- For 200mm rally body
- Motor Fan

Items Required To Complete

- 12.8mm Type-R shocks
- Lowered shock towers for ultra-low center of gravity
- Suspension inserts for track width, toe and anti-squat adjustment
- Revised Ackerman geometry for improved Steering
- 7070-T6 aluminum Chassis (2.5mm)
- 48P spur gears included

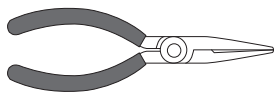


Download Manual

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.

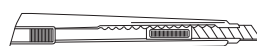
- Grease



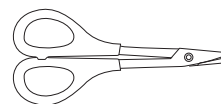
- Wire Cutters



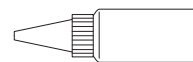
- Sharp Hobby Knife



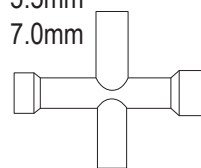
- Lexan Scissors



- Screw Cement



- Cross Wrench
5.0mm
5mm
5.5mm
7.0mm



- Hex Wrench



1.5mm

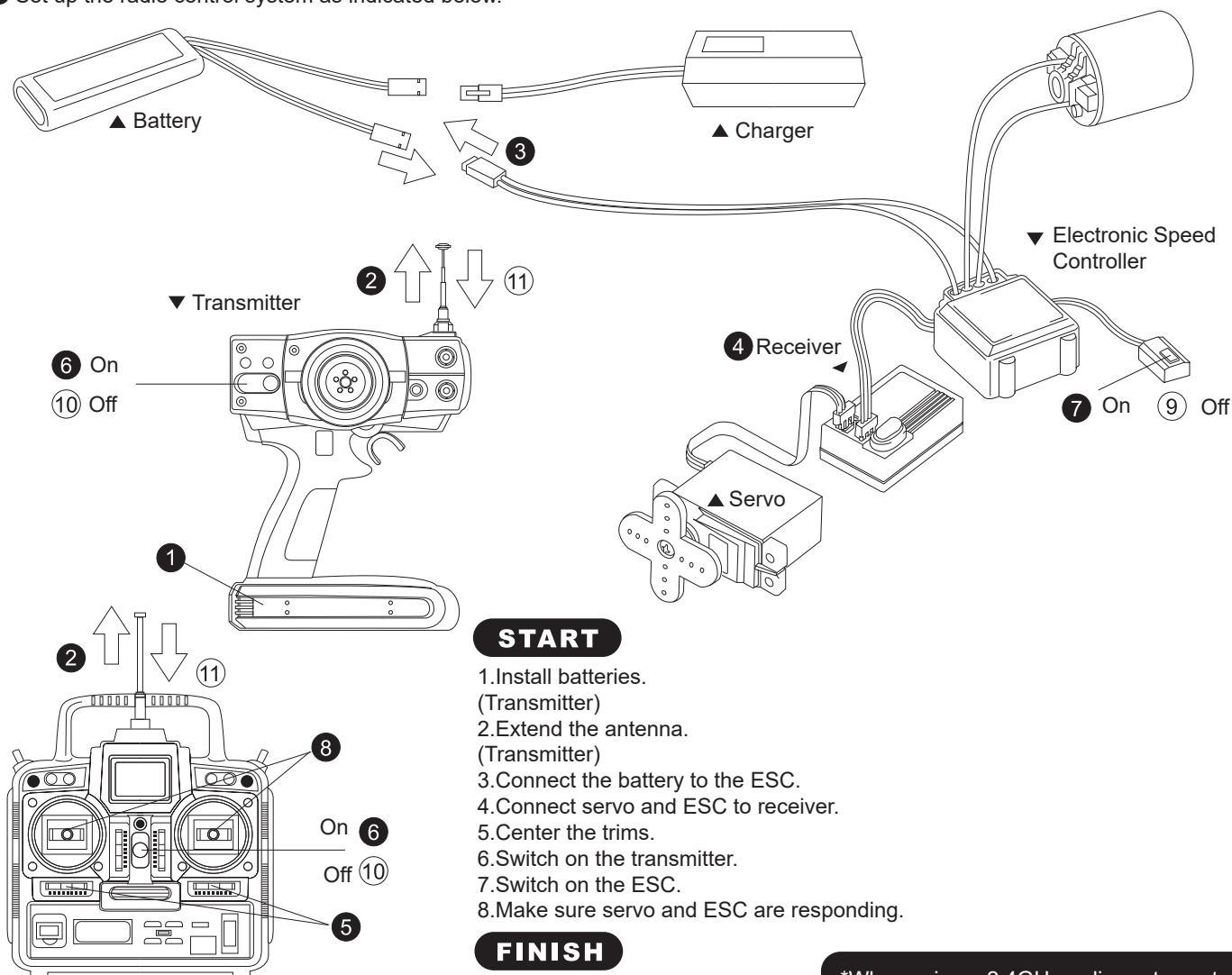
- Hex Wrench



2.0mm

RADIO PREPARATION

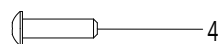
- A new battery must be charged before it is used. Refer to the charger instruction manual for charging.
- Set up the radio control system as indicated below.



*When using a 2.4GHz radio system, steps 2 and 11 are not required.



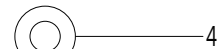
A1 Center Differential Assembly



80400226
BHCS M2.5x10mm



85440170
Shim 5x8x0.8mm



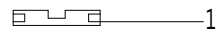
85440150
Shim 4x8x0.25



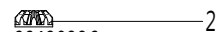
85400016 3.5 E Clip



31450016 5x1.5mm(O-ring)



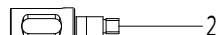
66480356
Gear Diff Cross Pins Aluminum



66480336
Gear Diff Internal Gear 9T



66480336 Gear Diff Internal Gear 14T



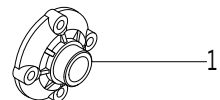
77500316 Centre Diff Cup



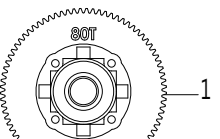
89430030 Bearing 10x15x4mm



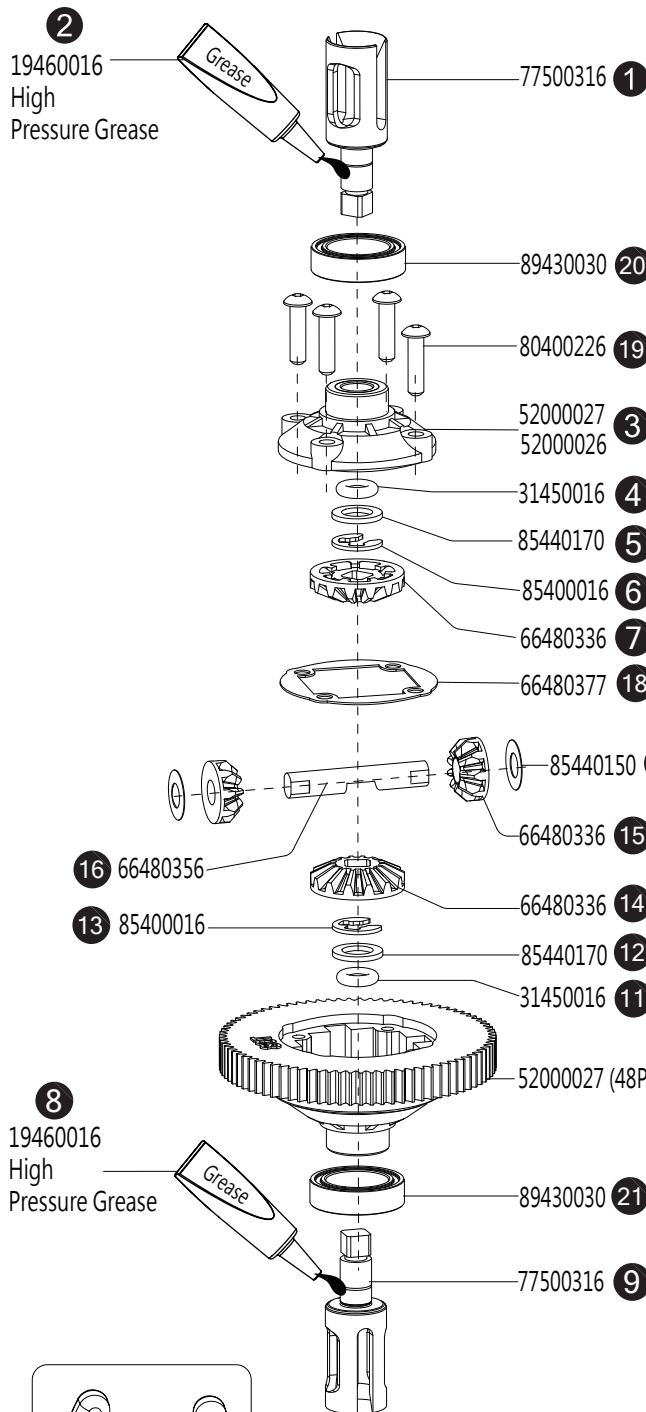
66480377
PR SB401R Center Gear diff Gasket



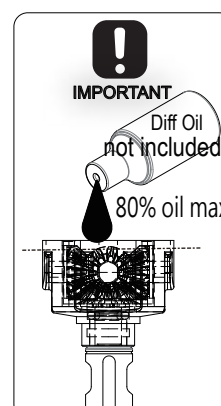
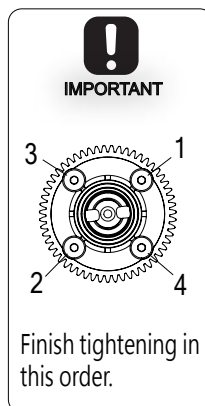
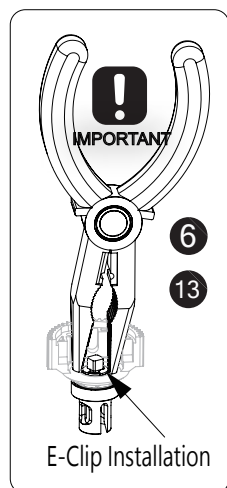
52000027 Centre Diff Spur Gear Top



52000027 (48P) 80T
Centre Diff Spur Gear
Suitable:540 motor



Assemble in the specified order.



Diff Oil
Centre Diff Spur Gear

Low Traction
10000cst

Medium High Traction
20000cst

Super High Traction
30000cst



BAG
A

A2 Gear Differential Assembly

8
82400166
FHCS M2.6x10

4
85440170
Shim 5x8x0.8mm

4
85440160
Shim 4x10x0.15

4
85400016
3.5 E Clip

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

2
66480356
Gear Diff Cross Pins Aluminum

4
66480336
Gear Diff Internal Gear 9T

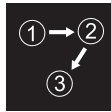
4
66480336
Gear Diff Internal Gear 14T

4
66481366
Gear Diff. Outdrive

2
68480606
Bevel Gear Diff Gaske

2
68480566
Drive Gear 39T

2
68480596
Gear Differential Case



66480336
85400016
85440170
31450016

3 68480596

66481366
19460016
High Pressure Grease

6
19460016
High Pressure Grease

66481366 5

82400166 15

68480566 12

31450016 7

85440170 8

85400016 9

66480336 10

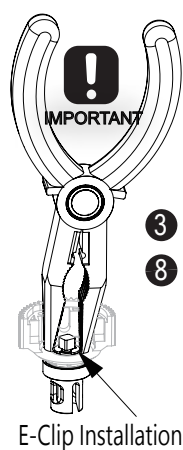
68480606 14

66480356 11

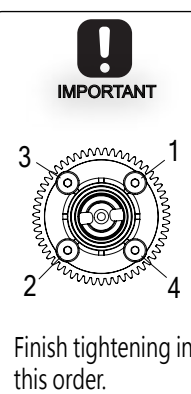
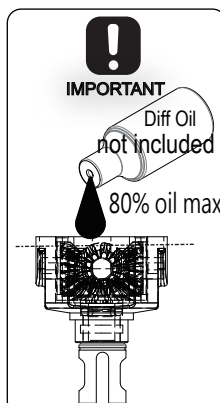
85440160 12

66480336 13

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



E-Clip Installation



Diff Oil

Front Diff

Low Traction

3000cst

Medium High Traction

5000cst

Super High Traction

10000cst

Rear Diff

Low Traction

3000cst

Medium High Traction

3000cst

Super High Traction

5000cst



Part Bags used.



Assemble in the specified order.



Apply oil.



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

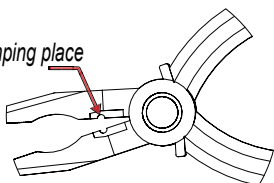


A3 Front & Rear Shock Assembly

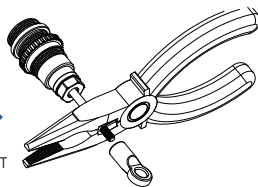


IMPORTANT

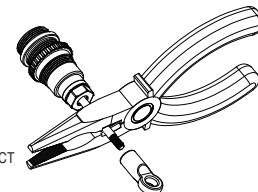
Clamping place



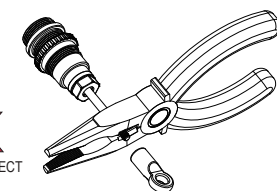
✓
CORRECT



✗
INCORRECT

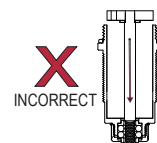
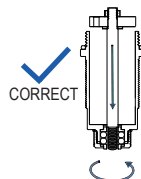


✗
INCORRECT



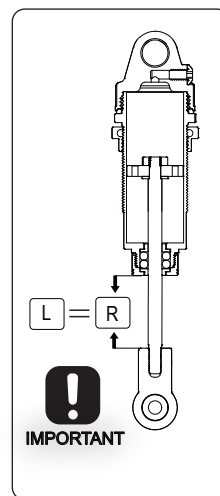
✓
CORRECT

Twist the shock rod through the lower shock body assembly.



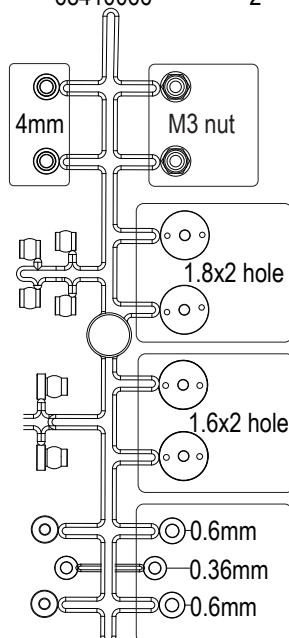
✗
INCORRECT

EXTREMELY IMPORTANT



Rear Buildx2
Front Buildx2
Initial setting

68410066 — 2



m2.5 Do not over tighten (screw cement)

1 83400066 m2.5

Note The direction



shocks oil

68410066 Front/Rear (1.6x2 hole)

85440070-2.6x6x0.5mm

66400656 Front/Rear (42mm)

31280146 O-Rings (14x1.2mm)

Front-17430156/31.8mm

Rear-17430156/31.8mm

68410066 0.6mm

31430017 O-ring

68410066 0.6mm

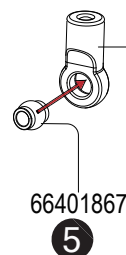
66430070

2

3



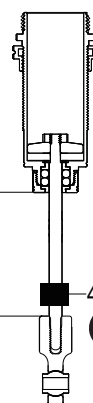
Front 23.3mm



66401867

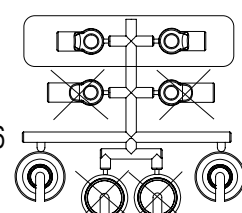
5

Back 23.3mm



4

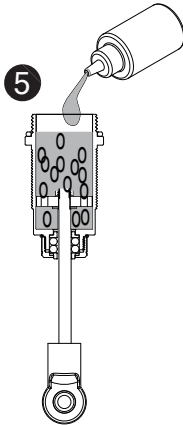
66400066





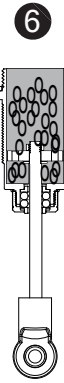
A4 Front & Rear Shock Assembly

Front Build x2
Rear Build x2

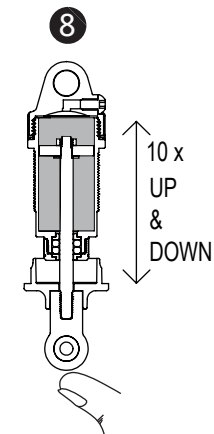
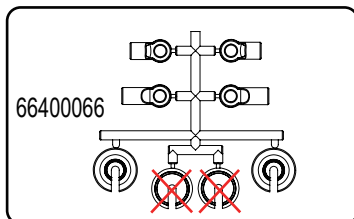
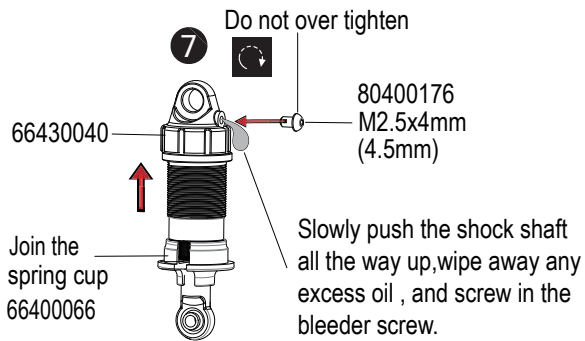


Initial Setting

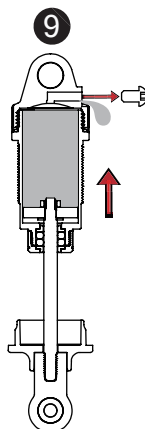
Front shocks oil	Rear shocks oil
↑ 20°C 350Cst	↑ 20°C 400Cst
↓ 20°C 300Cst	↓ 20°C 350Cst



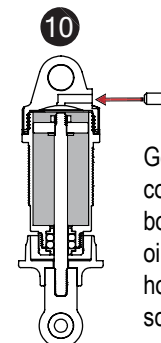
Slowly move up
and
down to remove
air bubbles.



10 x push the
shaft up and down.



Untighten the screw.



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.



Part bags used.



Assemble in the
specified order.



Do not over tighten.

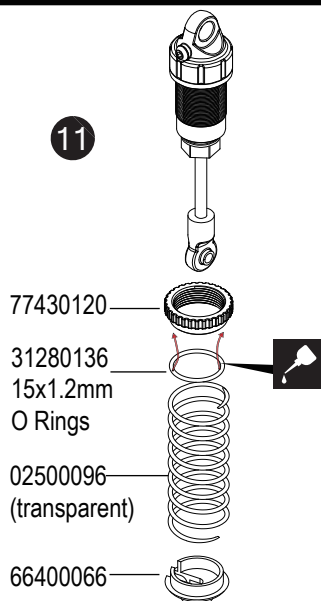


A5 Front & Rear Shock Assembly

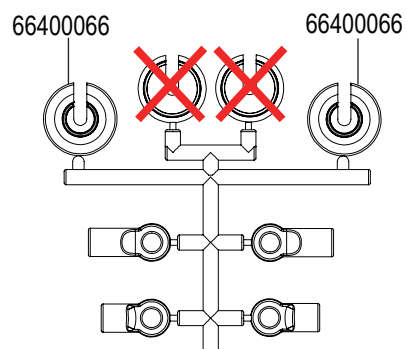
Front Build x2 Initial setting



11



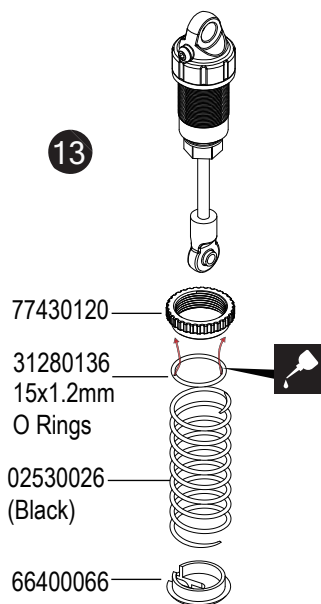
12



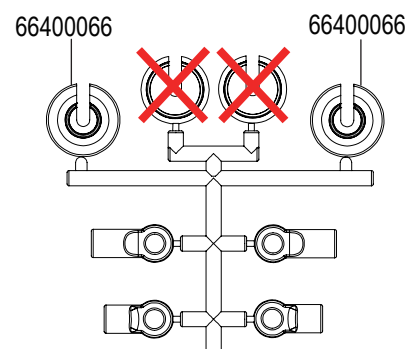
Rear Build x2 Initial setting



13



14



Option

71530016-Type R Front Shock Spring Set

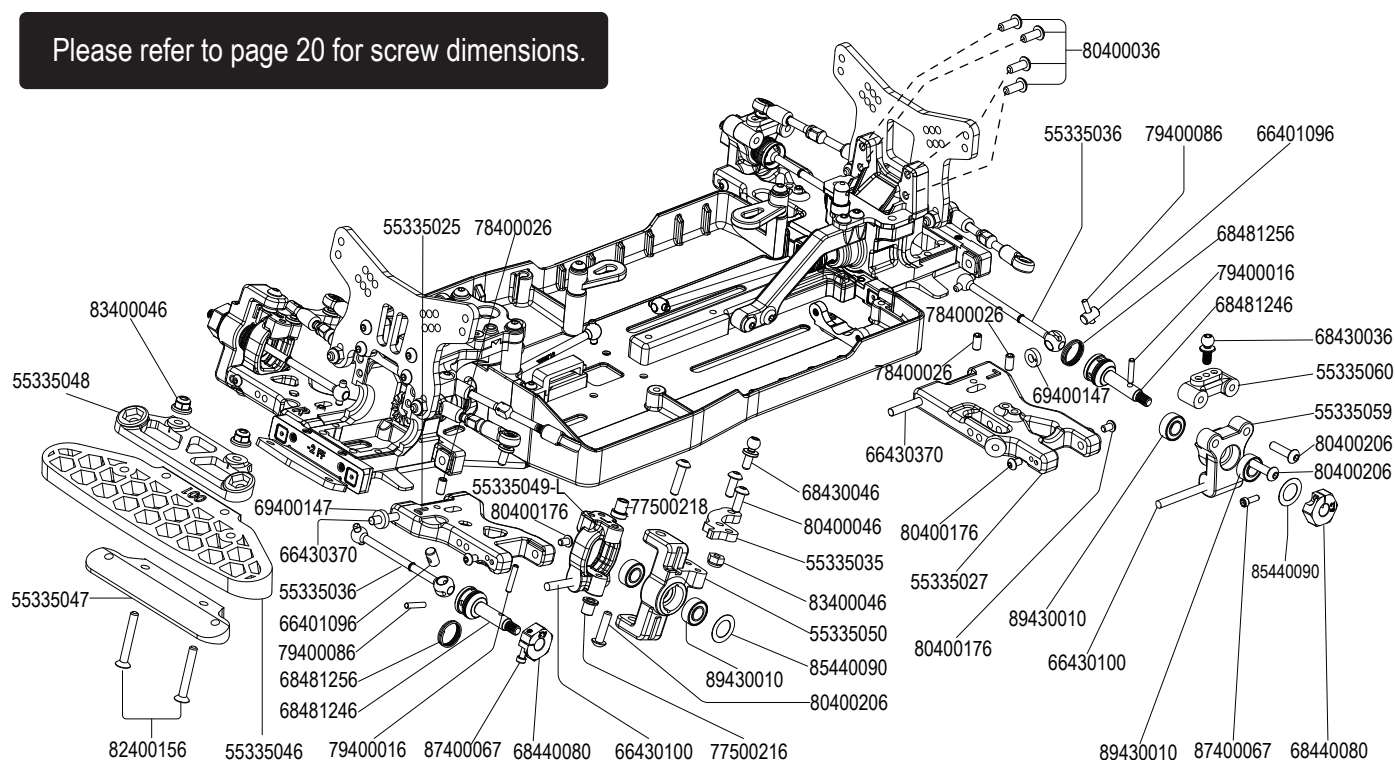
PART NO:	Color	kg mm	lbs/in
02500096	Transparent	0.053	2.97
02500106	Blue	0.058	3.25
02500146	White	0.061	3.42
02500116	Red	0.063	3.53
02500126	Yellow	0.068	3.81
02530016	Green	0.075	4.20
02530026	Black	0.080	4.48
02530036	Blue Red	0.085	4.76
02530046	White Yellow	0.090	5.04
02530116	Green Black	0.098-(RT)	5.88-(RT)



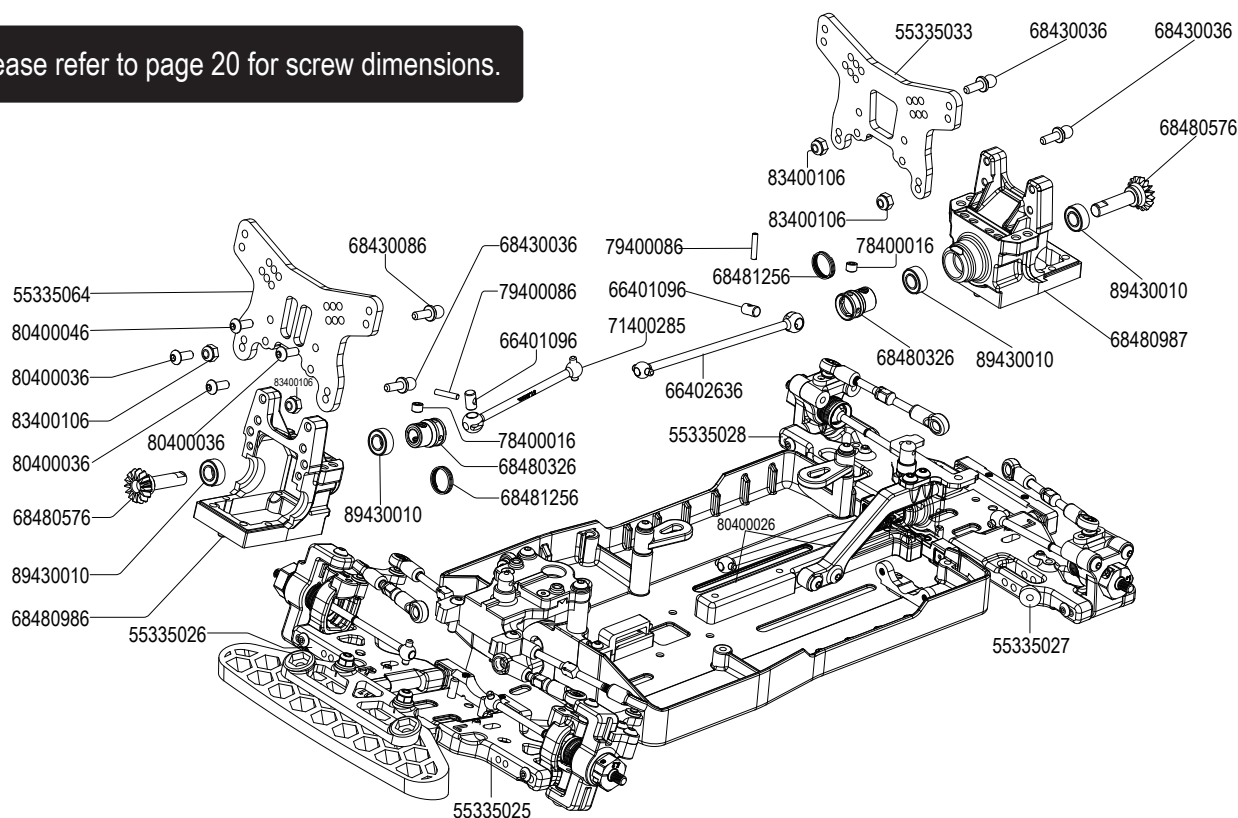


B1 Exploded View-A

Please refer to page 20 for screw dimensions.

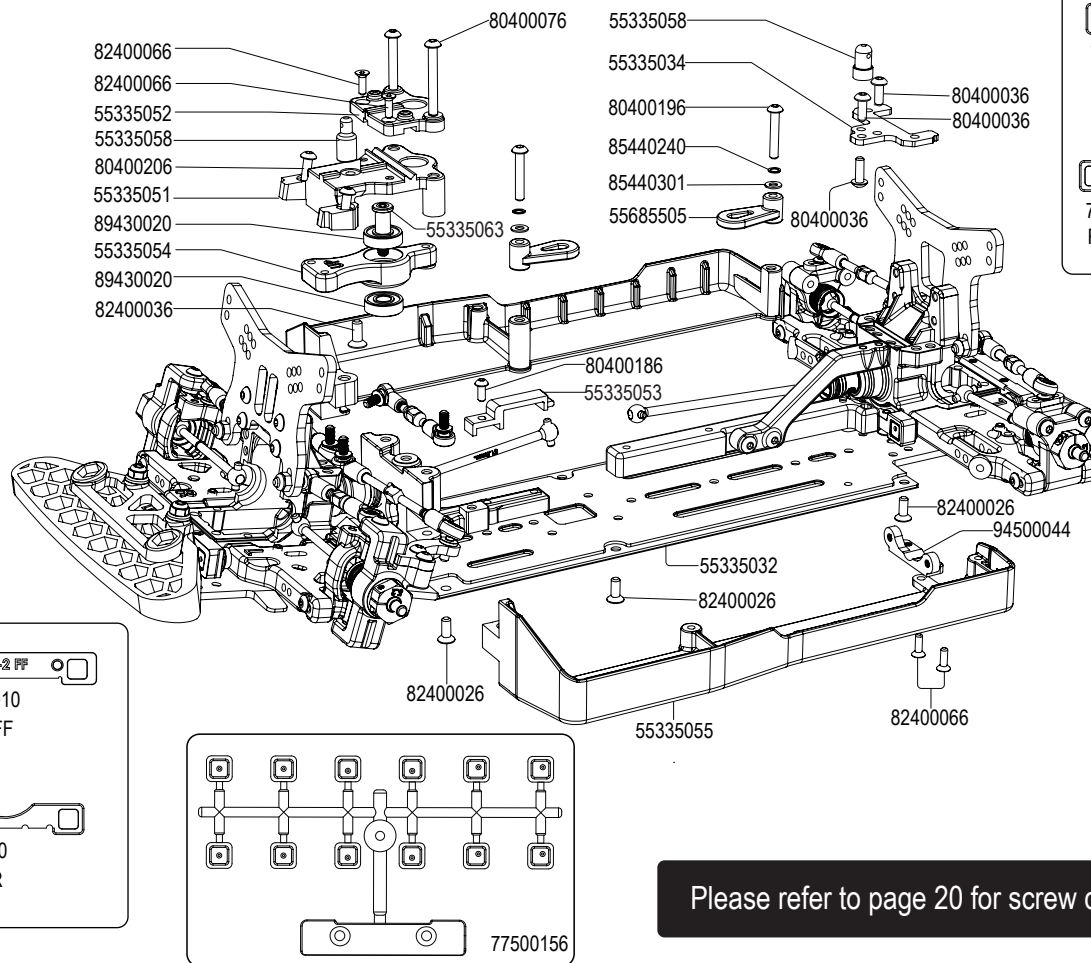


Please refer to page 20 for screw dimensions.

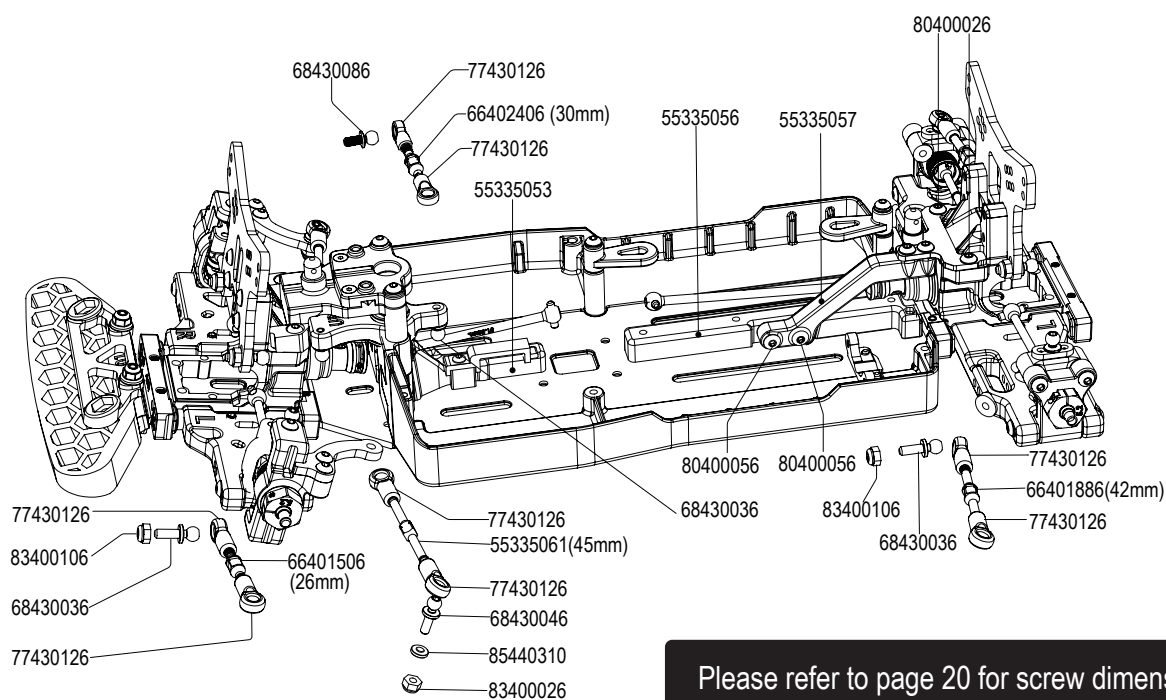


Part Bags used.

B2 Exploded View-B



Please refer to page 20 for screw dimensions.

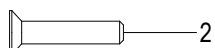


Please refer to page 20 for screw dimensions.

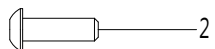




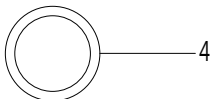
C1 Gearbox Front



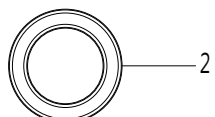
82400176 FHCS M3x15mm



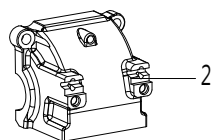
80400046 BHCS M3x10mm



85440230 Shim 10xX12.5x0.1mm



89430030 Bearing 10x15x4mm



68480986 SB401 Gear Case - V2



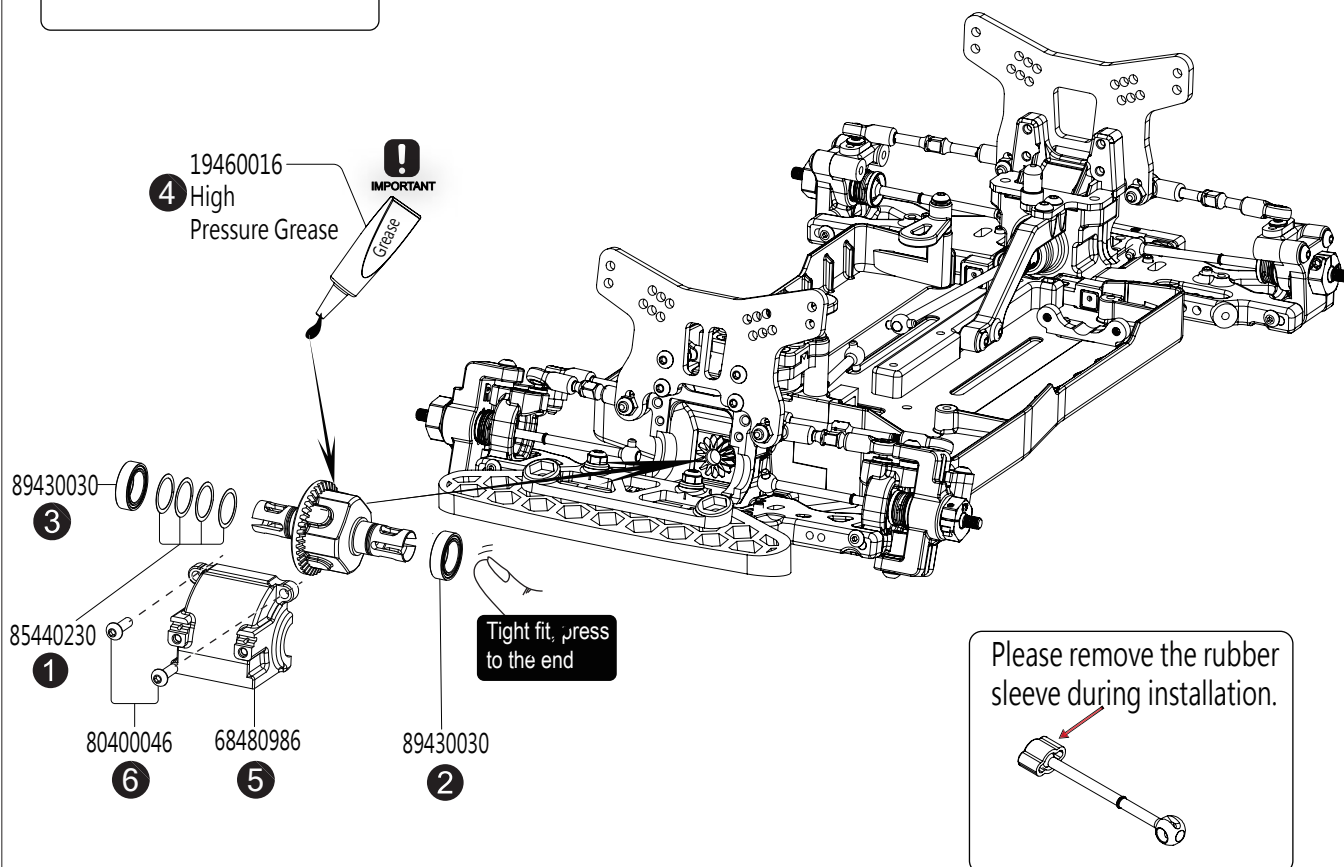
Apply grease.



Assemble in the specified order.

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

Front



Part Bags used.



Assemble in the specified order.



Apply grease.



C2 Gearbox Rear

2
82400176 FHCS M3x15mm

2
80400046 BHCS M3x10mm

4
85440230 Shim 10xX12.5x0.1mm

2
89430030 Bearing 10x15x4mm

1
68480987 SB401 Forwarded shock tower gear case (rear) +7mm



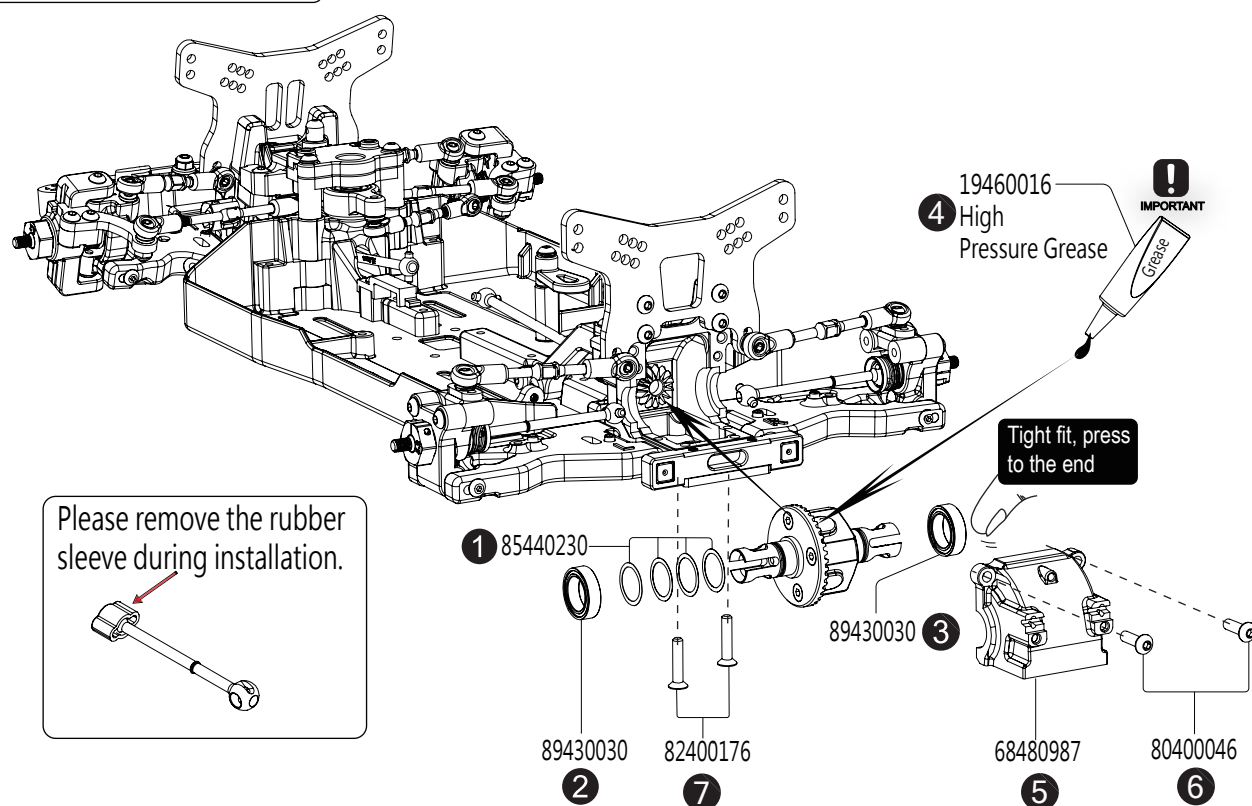
Apply grease.



Assemble in the specified order.

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

Rear





C3 Center Diff Motor Installation

4
82400016 FHCS M3x6mm

2
82400036 FHCS M3x12mm

1
77500016 Motor Mount A

1
77500016 Motor Mount B

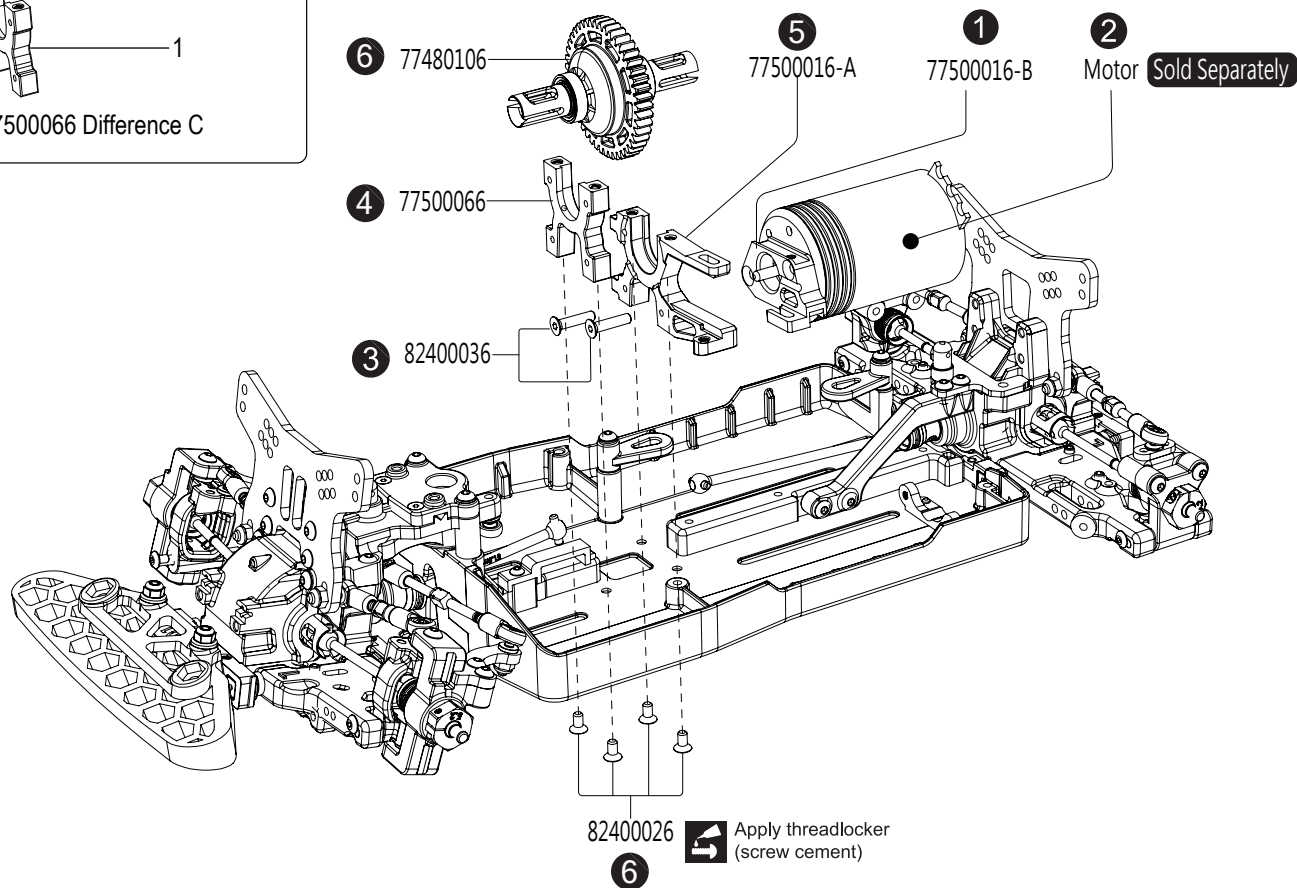
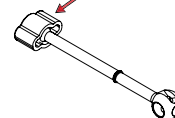
1
77500066 Difference C

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.

Please remove the rubber
sleeve during installation.



Gear Ratio Chart-Internal Gear Ratio 2.6:1 Pinion gears they will fit.

PART NO:	Pinion	17T	18T	19T	20T	21T	22T	23T	24T	25T	26T	27T	28T		
68480586	77T(Spur Gear)			10.54	10.01	9.53	9.10	8.70	8.34	8.01	7.70	7.41	7.15		
52000027	80T(Spur Gear)		11.56	10.95	10.40	9.90	9.45	9.04	8.67	8.32	8.00	7.70			



Part Bags used.



Assemble in the
specified order.



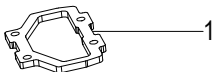
Apply threadlocker
(screw cement)



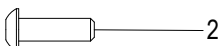
C4 Center Mount Plate



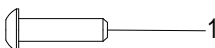
80400026 BHCS M3x6mm



20220008



80400046 BHCS M3x10m



80400056 BHCS M3x14m



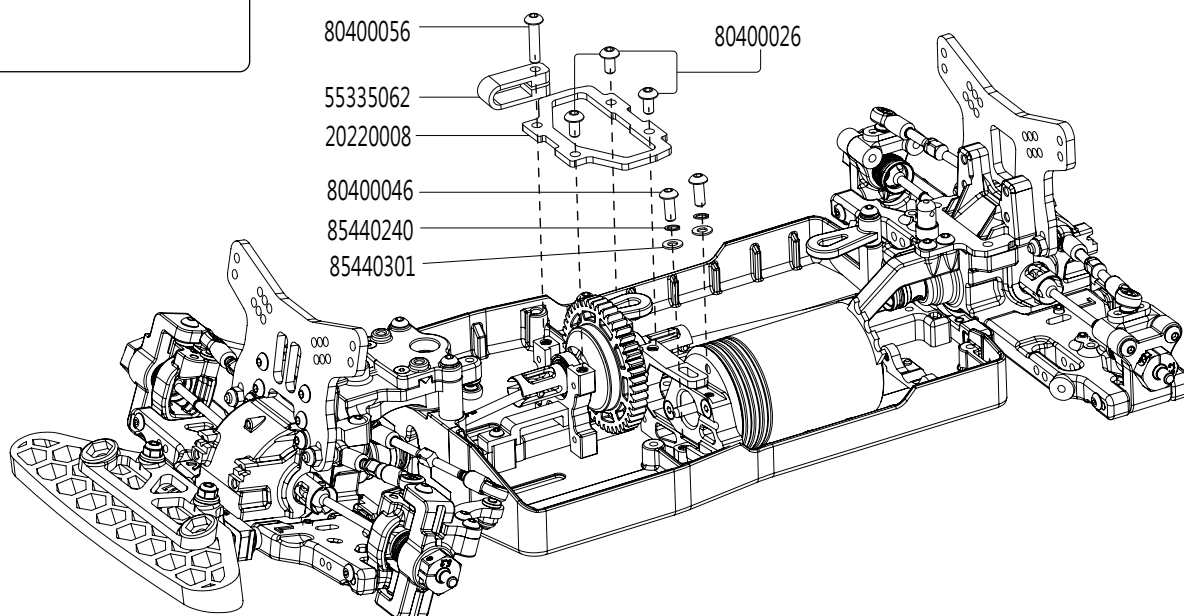
85440240 M3 Antislip Shims



85440301
3x6x0.5mm Shims



55335062

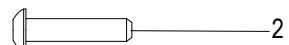




C5 Front & Rear Shock Installation



80400076 BHCS M3x25mm



80400056 BHCS M3x14mm



78400026 M3x6

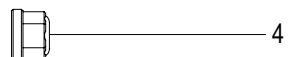
Set Screw



83480016 M3 Nut



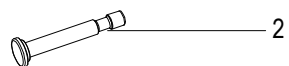
69440010



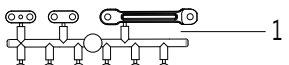
68410066 M3 Nut nylon



68410066 Nut nylon



55335067 (Stainless steel)



66430200

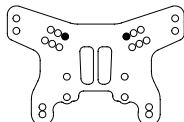


Before using the plastic nut, drive the screw in and out a couple times before securing the nut onto the shock seat.

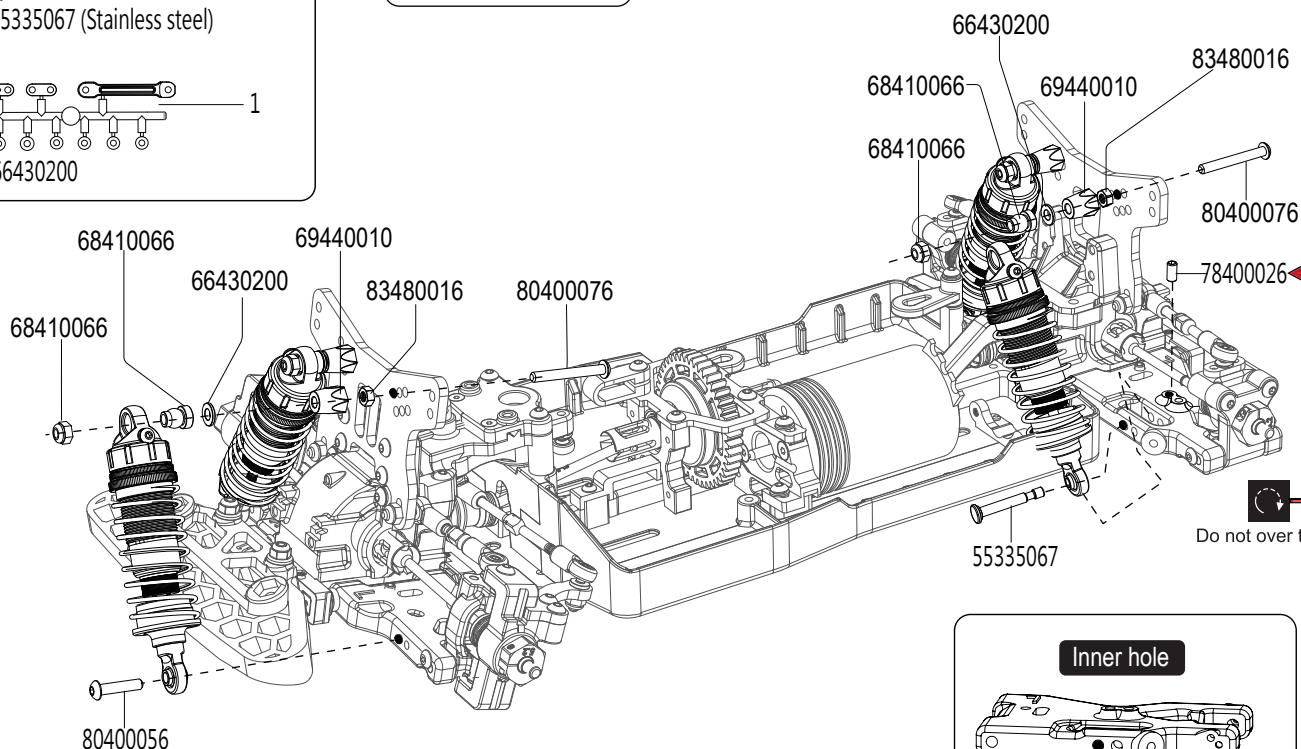
Grease

68410066
M3 Nut nylon

Inner hole

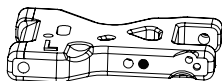


Middle hole

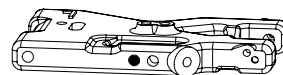


Do not over tighten.

Outer hole



Inner hole



Part Bags used.



Do not over tighten.



D1 Steering Servo

4
82400016 FHCS M3x6mm

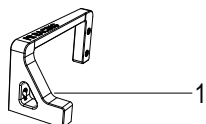
4
82400026 FHCS M3x8mm

1
80400036 BHCS M3x8mm

2
82480016 FHCS M2.6x16mm

1
83400106 M3 Lock Nut

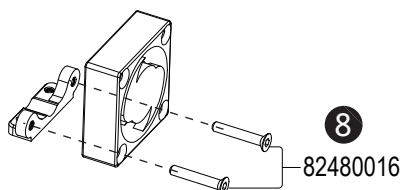
2
74500039
Servo carbon fiber spacer



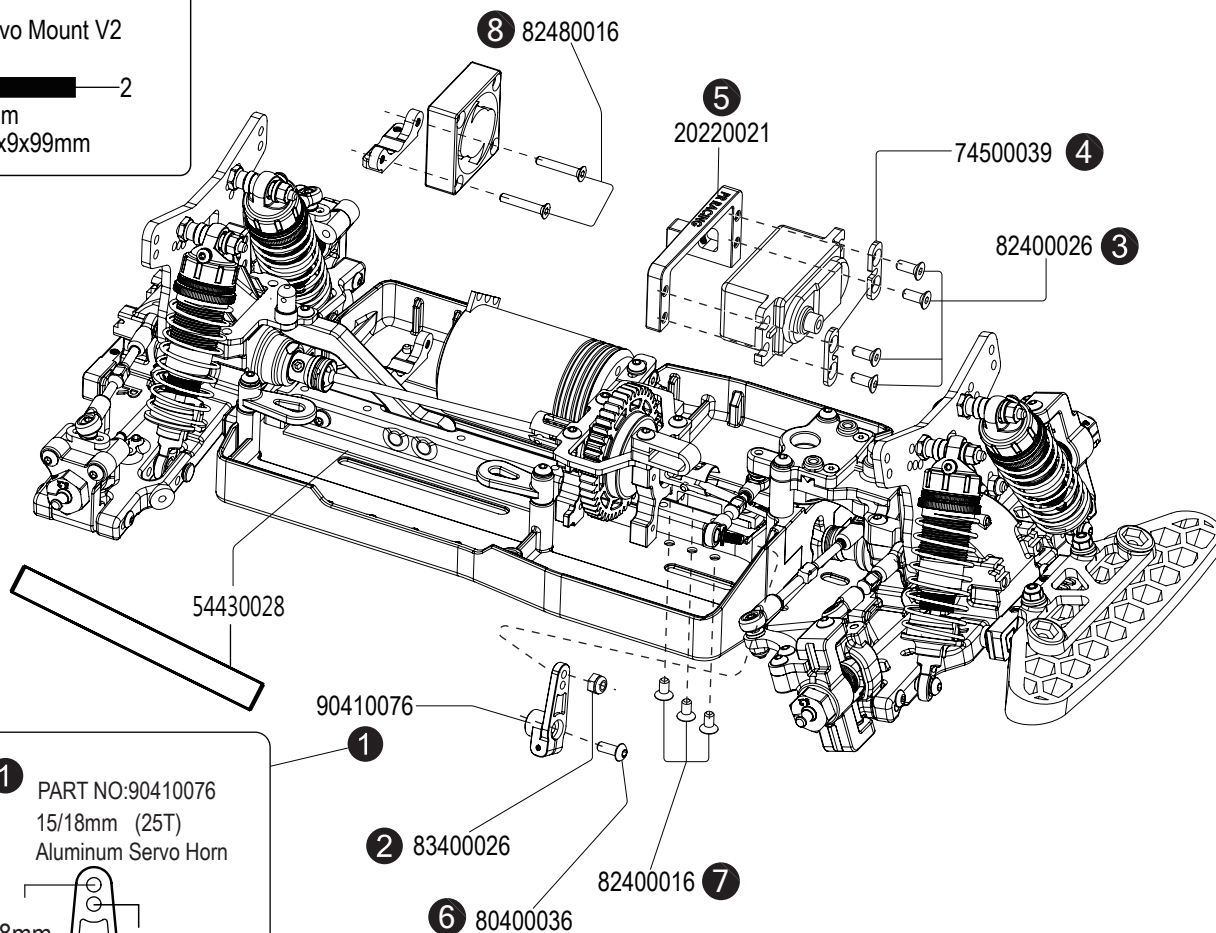
20220021
Aluminum Servo Mount V2

2
54430028 Foam
1x9x99mm&3x9x99mm

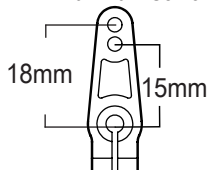
Fan **Sold Separately**



①→②
③ Assemble in the specified order.

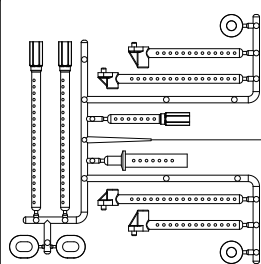


① PART NO:90410076
15/18mm (25T)
Aluminum Servo Horn





D2 Body Shell Pillar Set

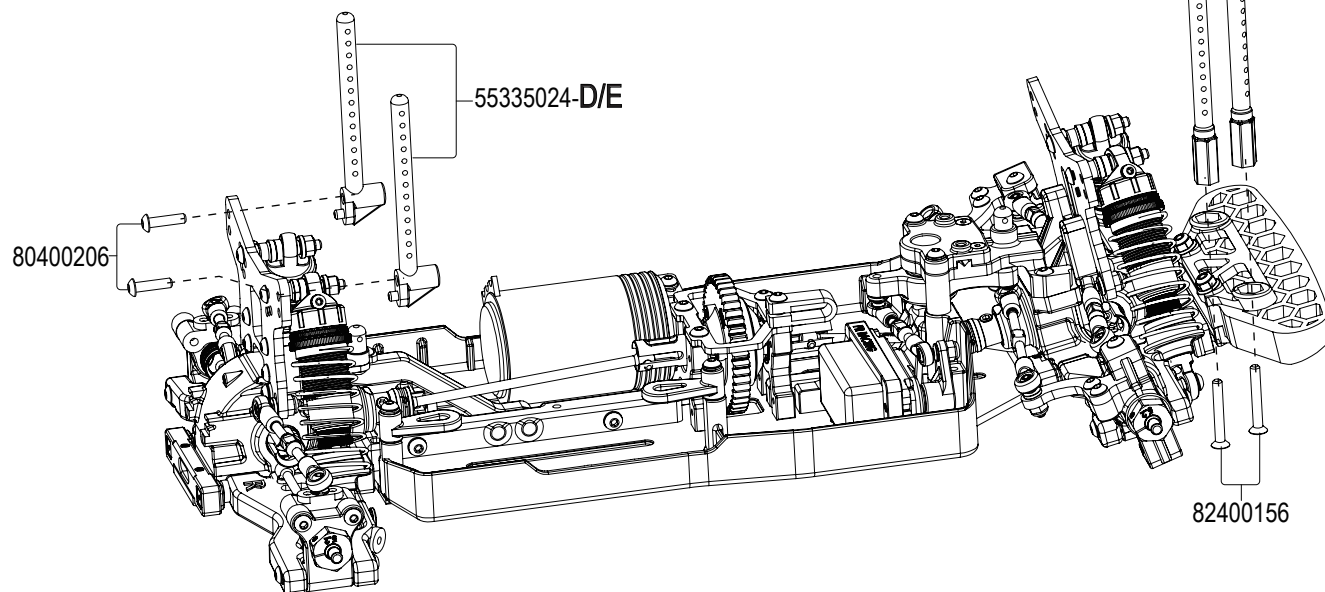
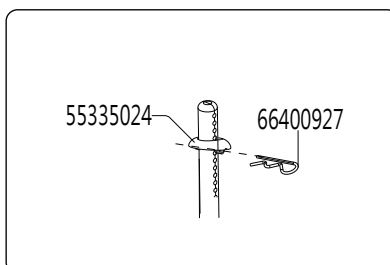


55335024 (Body Mount)

80400206 BHCS M3x12mm

82400156 FHCS M3x22mm

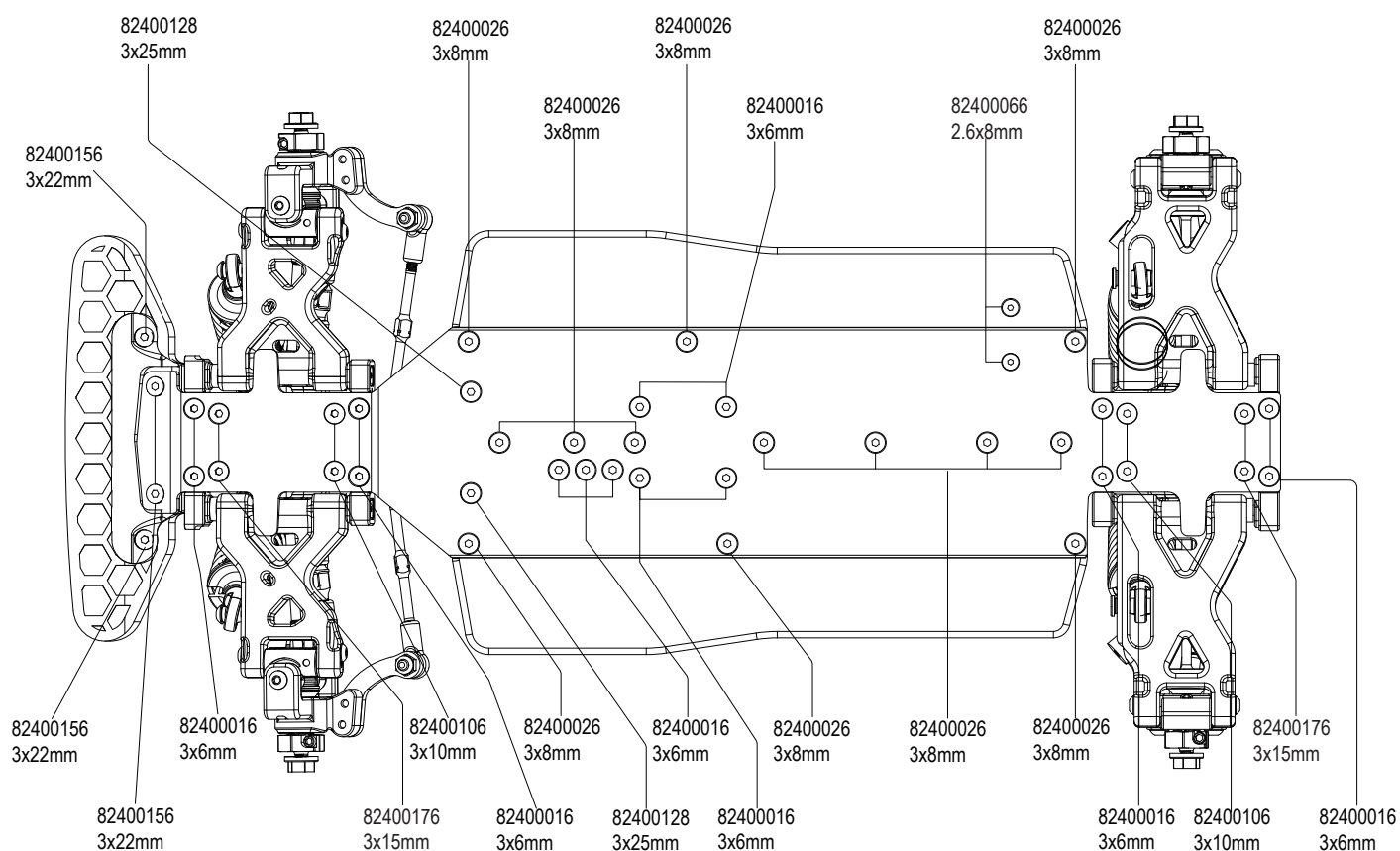
66400927 (R4)





BAG
D

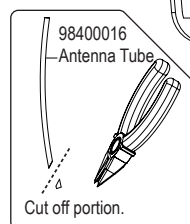
D3 Chassis screw distribution



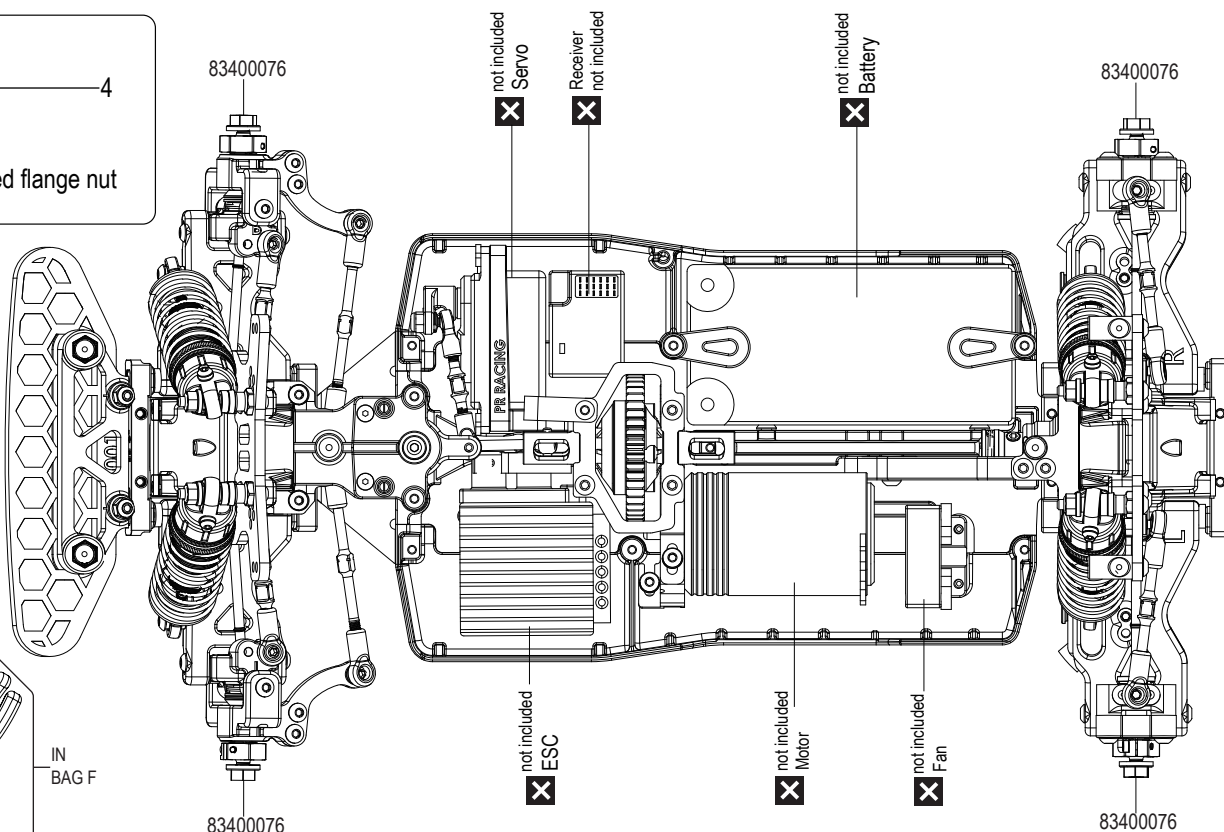
-4

83400076

M4 Serrated flange nut



IN
BAG F



not included

Receiver

not included

▶

not included

2

not included



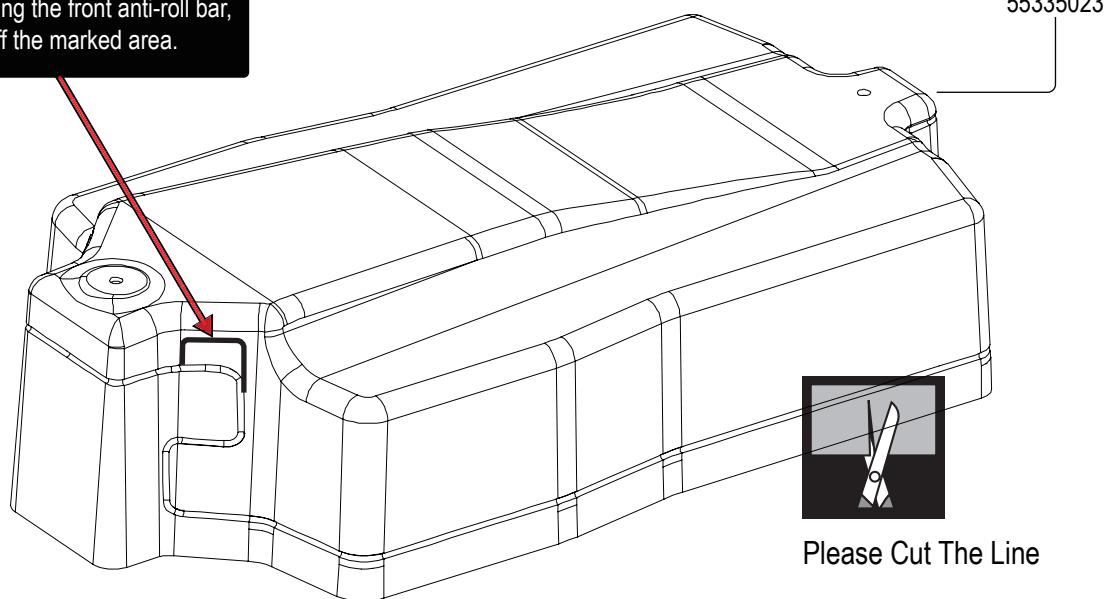
not included —



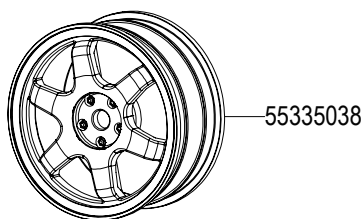


E1 Body/Tire

When installing the front anti-roll bar, please cut off the marked area.

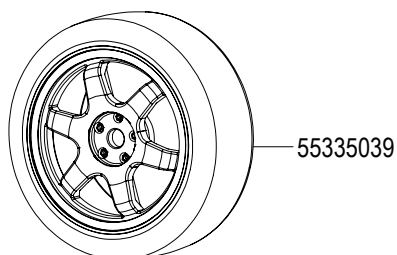


- Body and Wing Cutting
- Wash the inside of the body with warm water and a mild soap or detergent (such as liquid dishwashing soap) prior to painting. Oil residue or dust will prevent the paint from adhering to the painting surface, and possibly cause the paint to peel later on. After washing, thoroughly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



55335038

For Wheels , please select OFFSET=0mm.



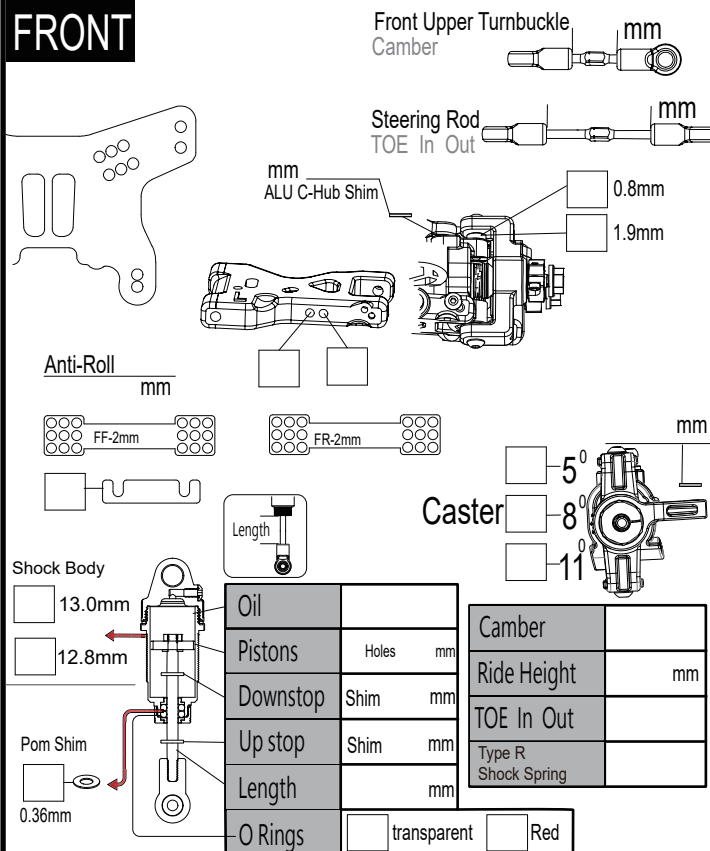
55335039

PRR200X

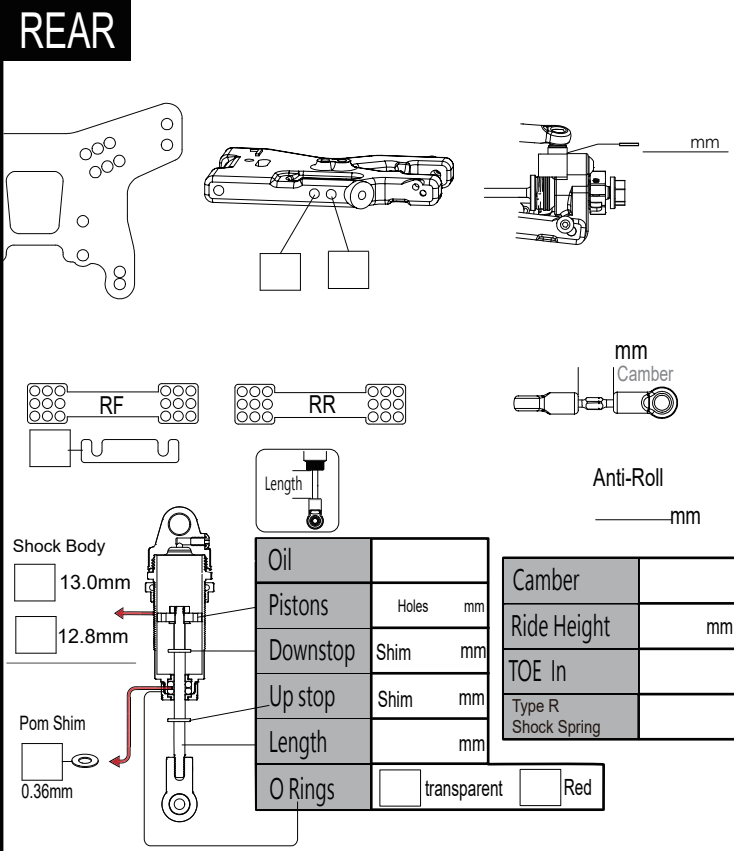
PR Racing R200X 4x4 1/10th electric rally kit.
ITEM NO:55335022

Race		Name	
Track		Date	
Temperature	C	F	Best Lap Time
			sec

FRONT



REAR



Motor T

Spur Gera T

Pinion T

Esc

Battery Size ☐ Std. Short ☐ Low Short

Front Radio System

Tire ST-DR

Inserts ST-EXP

Wheels ST-Speed

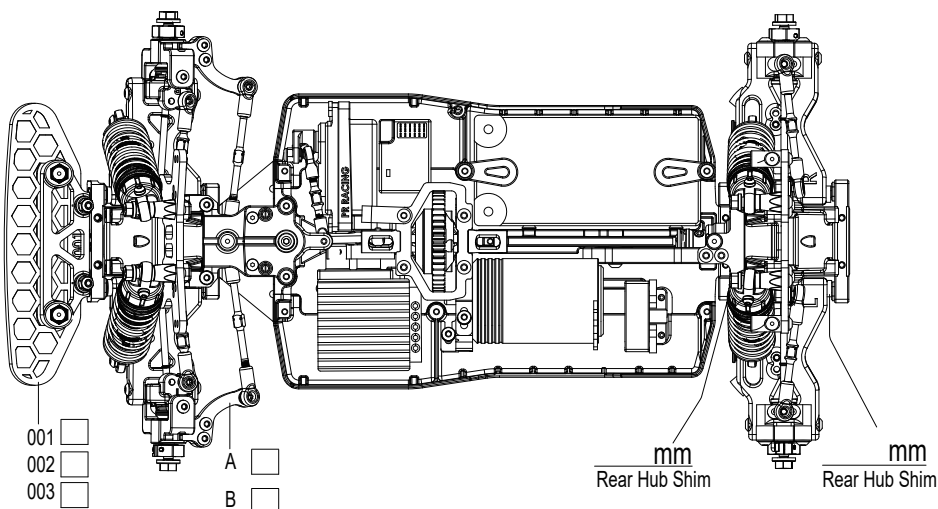
Rear Radio System

Tire TH-DR

Inserts TH-EXP

Wheels TH-Speed

Body



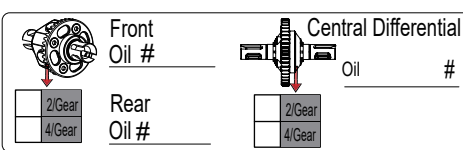
Apply CA Glue if needed

FRONT ☐ REAR ☐



Cut pins

FRONT ☐ REAR ☐

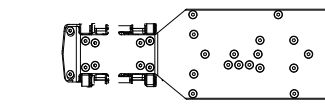


Chassis Flex

☐ Kit Chassis

FRONT ☐ Op Chassis

SCREW USED _____ SCREW NOT USE ☒

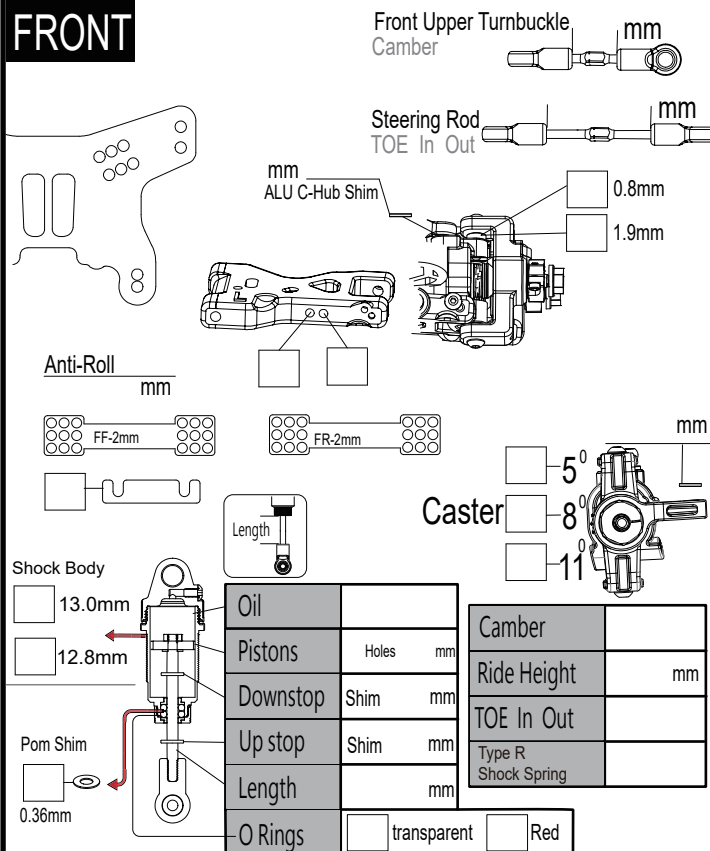


PRR200X

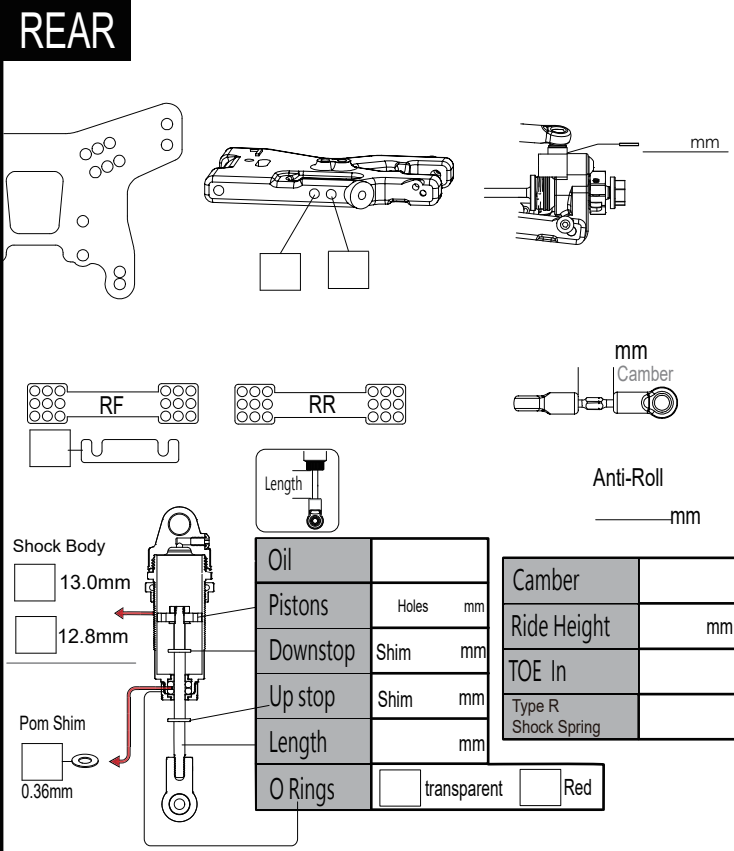
PR Racing R200X 4x4 1/10th electric rally kit.
ITEM NO:55335022

Race		Name	
Track		Date	
Temperature	C	F	Best Lap Time
			sec

FRONT



REAR



Motor T

Spur Gera T

Pinion T

Esc

Battery Size ☐ Std. Short ☐ Low Short

Front Radio System

Tire ST-DR

Inserts ST-EXP

Wheels ST-Speed

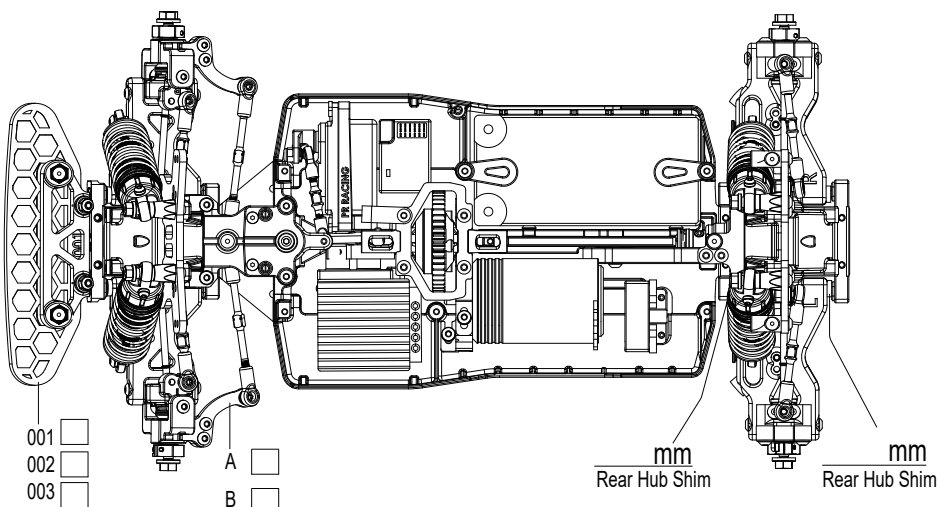
Rear Radio System

Tire TH-DR

Inserts TH-EXP

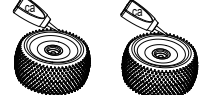
Wheels TH-Speed

Body



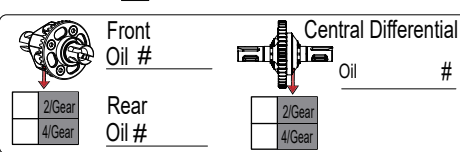
Apply CA Glue if needed

FRONT ☐ REAR ☐



Cut pins

FRONT ☐ REAR ☐

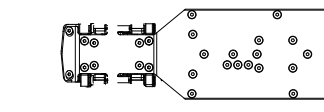


Chassis Flex

☐ Kit Chassis

FRONT ☐ Op Chassis

SCREW USED _____ SCREW NOT USE ☒



19

Parts list

ITEM NO	DESCRIPTION
02500096	1/10 Front Shock Spring-Transparent 0.053kg/mm For Type R (2)
02530026	1/10 Front Shock Spring-Black 0.080kg/mm For Type R (2)
17430156	PR VB-10 Front Shock Body Set 12.8x31.8mm (2)
19460016	PR Racing High Pressure Grease (Black) (1)
20220008	PR SB401R Center Mount Plate (1)
20220021	PR Racing SB401R Aluminum Servo Mount V2 (1)
31280136	O-Rings 15x1.2mm (8)
31280146	O-Rings 14x1.2mm (8)
31430017	PR P3 Shock O-Rings V4 Transparent (8)
31450016	Gear Diff Seals 5x1.5mm (4)
52000027	SCT 10 80T 48P Centre Diff Spur Gear (1)
54430028	Batter support foam SB40-R 10x99x1mm (2) 10x99x3mm (2)
55335023	PR R200X Inner Body (Clear) (1)
55335025	PR R200X Front Wishbone L (1)
55335026	PR R200X Front Wishbone R (1)
55335027	PR R200X Rear Wishbone L (1)
55335028	PR R200X Rear Wishbone R (1)
55335032	PR R200X Aluminium Chassis 2.5mm (1)
55335033	PR R200X Carbon Fiber Rear Shock Tower (3mm) (1)
55335034	PR R200X Carbon End Plate Top Deck 2mm (1)
55335035	PR R200X Steering Block Carbon Fiber (2)
55335036	PR RACING 2.8mmx48mm Dogbone Drive Shaft (1)
55335046	PR R200X Rally Front bumper 001 Soft (1)
55335047	PR R200X Rally Front Lower Bumper (1)
55335048	PR R200X Rally Front Upper Bumper (1)
55335049	PR R200X Rally Caster Bloc 8 degrees (1pr)
55335050	PR R200X Rally Steering Block (1pr)
55335051	PR R200X Rally Top Plate (1)
55335052	PR R200X Rally Front anti-roll bar cover (1)
55335053	PR R200X Rally Chassis brace, front (1)
55335054	PR R200X Rally steering bell crank (1)
55335055	PR Racing R200X Side Plate Set (1pr)
55335056	PR R200X Rally Chassis brace, Rear (1)
55335057	PR R200X Rally Chassis brace, upper rear (1)
55335058	PR R200X Rally body mount (2)
55335059	PR R200X Rally Rear Hub (2)
55335060	PR R200X Rally Rear Hub Plate (2)
55335061	45mm Turnbuckles steel (2)
55335062	PR R200X Diff wire clip (2)
55335063	5x9.5mm custom screws (2)
55335064	PR R200X Rally Carbon Fiber Front Shock Tower(3mm) (1)
55335067	Shock support pin 3x21.5 (Stainless steel) (4)
55685505	Batter holder (2)
66400066	Black-Shock End & Spring Cup Set & Rod End (2)
66400656	Front Shock Shaft and hardware - 42mm For Type R (2)

66401096	CVA Bushing (2)
66401506	26mm Turnbuckle Rods (6)
66401867	PR 5.8mm PRO Shock Ball (Steel) (4)
66401886	42mm Turnbuckle Rods (6)
66402406	30mm Turnbuckle Rods (6)
66402636	PR SB401-R CVA Center Driveshaft 78mm (3mm) (1)
66430200	PRS1 V3 Chassis Stiffener and Servo Spacer (2)
66430040	V3 TYPE R Shock Cap - Bleed Screw Type -BFor Type R (4)
66430070	Lower Shock Seal Cap POM (4)
66430100	S1 V2 Sport 3x29.8mm pin (2)
66430370	Pin 3x52mm (black) (2)
66480336	Gear Diff Internal Gear Set
66480356	Gear Diff Cross Pins Aluminum (2)
66480377	PR SB401R Center Gear diff Gasket 0.8mm (2)
66481366	Bevel Gear Diff. Outdrive+ 1.6mm longer - Lightweight (2)
68410066	Shock Piston, Pivot Ball and Shock Mounting Hardware (2)
68430036	PR SB401-R 4.8mmx6mm SS Ball Studs (6)
68430046	PR SB401-R 4.8mmx8mm SS Ball Studs (6)
68430086	PR SB401-R 4.8mmx6mm SS Ball Studs -Lower 0.8mm (6)
68440080	Aluminium Clamping Wheel Hex 12mm x 5.2mm (2)
68480326	SB401 CVA Input Shaft Coupling (2)
77500246	SB401R Differential Gear(39T) (1)
77500236	SB401R Drive Gear(15T) (1)
68480596	SB401 Gear Differential Case (2)
68480606	SB401 Bevel Gear Diff Gasket (2)
68480986	SB401 Gear Case-V2 (1)
68480987	PR SB401 Forwarded shock tower gear case (rear) +7mm (1)
68481246	PR SB401-R CVA Axle Front (2)
68481256	CVA Input Shaft Coupling Spring Clip (4)
69440010	Upper Shock Mount Bushings (1)
71400285	PR RACING 3mmx51.5mm Dogbone Drive Shaft (1)
74500039	Servo carbon fiber spacer 1.5mm (4)
77430120	PR Shock Collars for:12.8mm 2025 (4)
77430126	PR Racing Rod End 3x4.85x13.75mm (Black) (8)
77500016	PR SB401-R Motor Mount Set (1)
77500066	PR SB401-R difference seat C (1)
77510010	PR SB401-R FF Suspension Mount -2mm narrower (1)
77510020	PR SB401-R FR Suspension Mount -2mm narrower (1)
77500126	PR SB401-R RF Suspension Mount (1)
77500136	PR SB401-R RR Suspension Mount (1)
77500156	PR SB401-R Suspension Hanger Insert Set (2)
77500216	PR SB401-R Steering Knuckle Bushing0.8mm (2)
77500218	PR SB401-RR Steering Knuckle Bushing1.9mm (2)
77500316	Centre Diff Cup - Long For SB401-R Diff (2)
78400016	Set Screw M3mm (4)

78400026	Set Screw M3x6mm (5)
79400016	Pin 2x10.8mm (4)
79400086	Pin 2x9.8mm (4)
80400026	Button Head Cap Screw M3 x 6mm (4)
80400036	Button Head Cap Screw M3 x 8mm (4)
80400046	Button Head Cap Screw M3 x 10mm (4)
80400056	Button Head Cap Screw M3x14mm (8)
80400076	Button Head Cap Screw M3x25mm (4)
80400176	Button Head Cap Screw M2.5x4x4.5mm (10)
80400186	Button Head Cap Screw M2.6x6mm (10)
80400196	Button Head Cap Screw M3x18mm (4)
80400206	Button Head Cap Screw M3x12mm (6)
80400226	Button Head Cap Screw M2.5x10mm (10)
82400016	Flat Head Screws M3x6mm (6)
82400026	Flat Head Screws M3x8mm (6)
82400036	Flat Head Screws M3x12mm (8)
82400066	Flat Head Screws M2.6x8mm (8)
82400106	Flat Head Screws M3x10mm (10)
82400128	Flat Head Screws M3x25mm (8)
82400156	Flat Head Screws M3x22mm (4)
82400166	Flat Head Screws M2.6x10mm (10)
82400176	Flat Head Screws M3x15mm (8)
83400106	M3 Lock Nut (10)
83400026	M3 Lock Nut (5)
83400046	M3 Lock Nut Flange (5)
83480016	M3x2.3mm Lock Nut (4)
83480016	M3x2.3mm Lock Nut (4)
85400016	3.5 E-Clip (6)
85440070	Shim 2.6x6x0.5mm (4)
85440090	Shim 5x8x0.1mm (15)
85440150	Shim 4x8x0.25mm (10)
85440170	Shim 5x8x0.8mm (8)
85440230	Shim 10x12.5 x0.1mm (6)
85440240	m3 antislip shims (6)
85440301	Shim 3x6x0.5mm (8)
85440310	Silver Aluminum Spacer 3x6.5x1mm (4)
87400067	Cap Screw M2x6mm (5)
89430010	5x10x4mm ZZ Ball Bearing (10)
89430020	5x13x4mm ZZ Ball Bearing (10)
89430030	10x15x4mm ZZ Ball Bearing (10)
99400056	Adhesive Maintenance Pack (Velcro, Double Sided Tape, Antenna Tube, Battery Block, Shorty Foam)



PR Racing R200X 4x4 1/10th electric rally kit (Semi Assembled Series)

mit
MADE IN TAIWAN



EMAIL / info@pracing@gmail.com

2027 1.1 Version