



PRB10R

PRB10R 1/10 Electric 2WD Off Road Buggy PRO Kit (Gear Diff Version)

ITEM NO:75400057

BUGGY KIT EP 1-10 2WD FM PRO 2025



PR RACING

mit
MADE IN TAIWAN

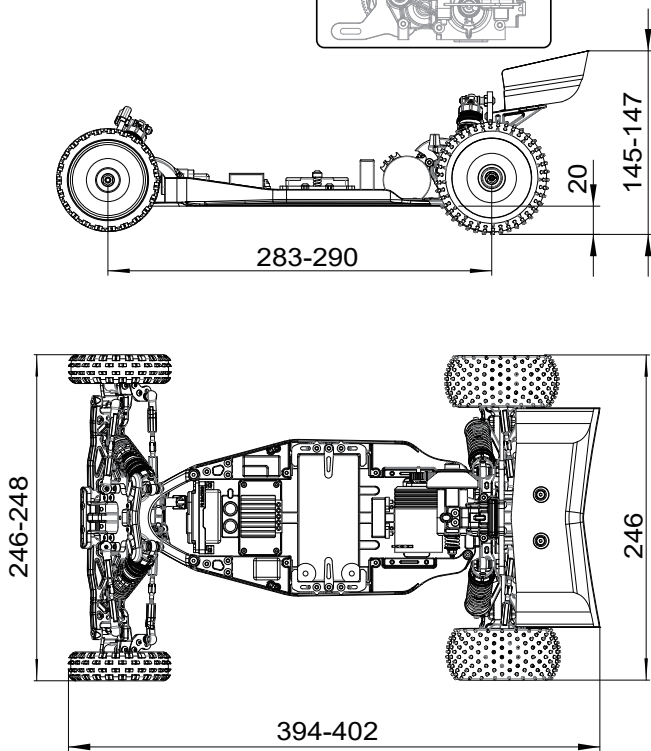
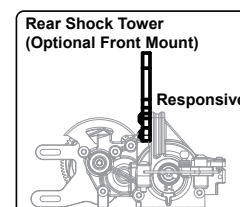
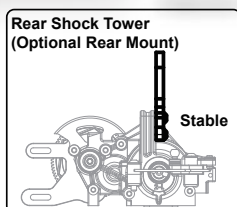
Specifications

- Length: 386-402mm
- Width: 248mm
- Height: 145-147mm
- Wheelbase: 283-290mm
- Front track: 248mm
- Rear track: 246mm
- Weight: 1490-1520g
- 12.8mm oil-filled shocks
- 3 Gear box with 3-gear transmission
- Metal gear differential
- Dual pad slipper clutch
- Complete sealed ball bearing set
- 12mm hex wheels
- Metric socket screw (Hex Screws)

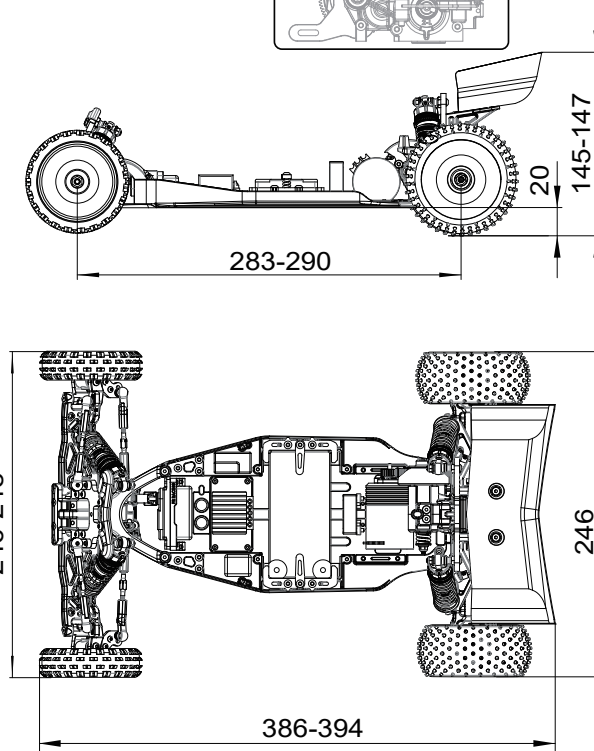
PR B10R 1/10 2wd Buggy
is the next evolution in PR Racing's rich history of performance, quality and durability.

PRB10R
PRB10R 1/10 Electric 2WD Off Road Buggy PRO Kit (Gear Diff Version)

PR RACING
PART NO: 75400057



mm



1-10 2WD BUGGY 2025 FM PRO KIT EP

Items Required To Complete

- Metric 1.5mm, 2.0mm hex tools
- Metric 5.5mm, 7.0mm nut driver
- 2 Channel surface radio system
- 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 glue
- Motor Fan

Download Manual



● BEFORE INSTALLATION -----	01-02
● BAG A -----	03-06
Chassis Guard Installation	
Steering Bellcranks	
Steering Servo	
● BAG B -----	06-11
Front Suspension	
Front Spindle (L&R) Side	
Front Shock Tower	
Front Upper Turnbuckle Assembly	
Turnbuckle Assembly-Steering Rod	
Rear Hub & CVA	
Rear Hub (L&R)	
Rear Suspension	
Chassis Reinforcement Rib	
● BAG C -----	12-18
Gear Differential	
Transmission Assembly	
Anti-Roll Bar	
Slipper & Spur Gear	
Rear Shock Tower	
Motor	
Rear Gear Box	
Anti-Roll bar Balls	
Rear Upper Rod Turnbuckle Assembly	
● BAG D -----	19-28
Front & Rear Shock Assembly	
Front Suspension	
Rear Suspension	
Front Shock Tower Cover	
Battery Plate	
ESC Weight	
Body Support Column	
Rear Wing& Wheels	
Body	
Velcro Tape	
● SETUP SHEET -----	29-29
● OPTIONAL PARTS -----	30

BEFORE INSTALLATION

- 1 Read through the instruction manual before installation in order to have an overview of what to do.
- 2 Check for any missing bags or defective parts, if there are any, 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.



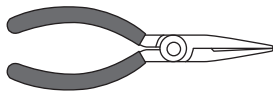
Apply oil.

- 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.

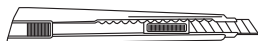
TOOLS REQUIRED

⚠ CAUTION: Handle tools carefully!

- Needle Nose Pliers



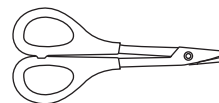
- Sharp Hobby Knife



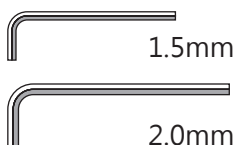
- Wire Cutters



- Curved Lexan Scissors



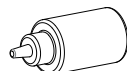
- Hex Wrench



- Screw Cement



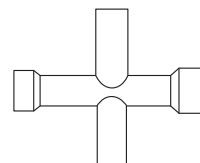
- Silicon Diff Oil



- SP Knife Edge Reamer



- Cross Wrench
5.0mm-5.5mm-7.0mm

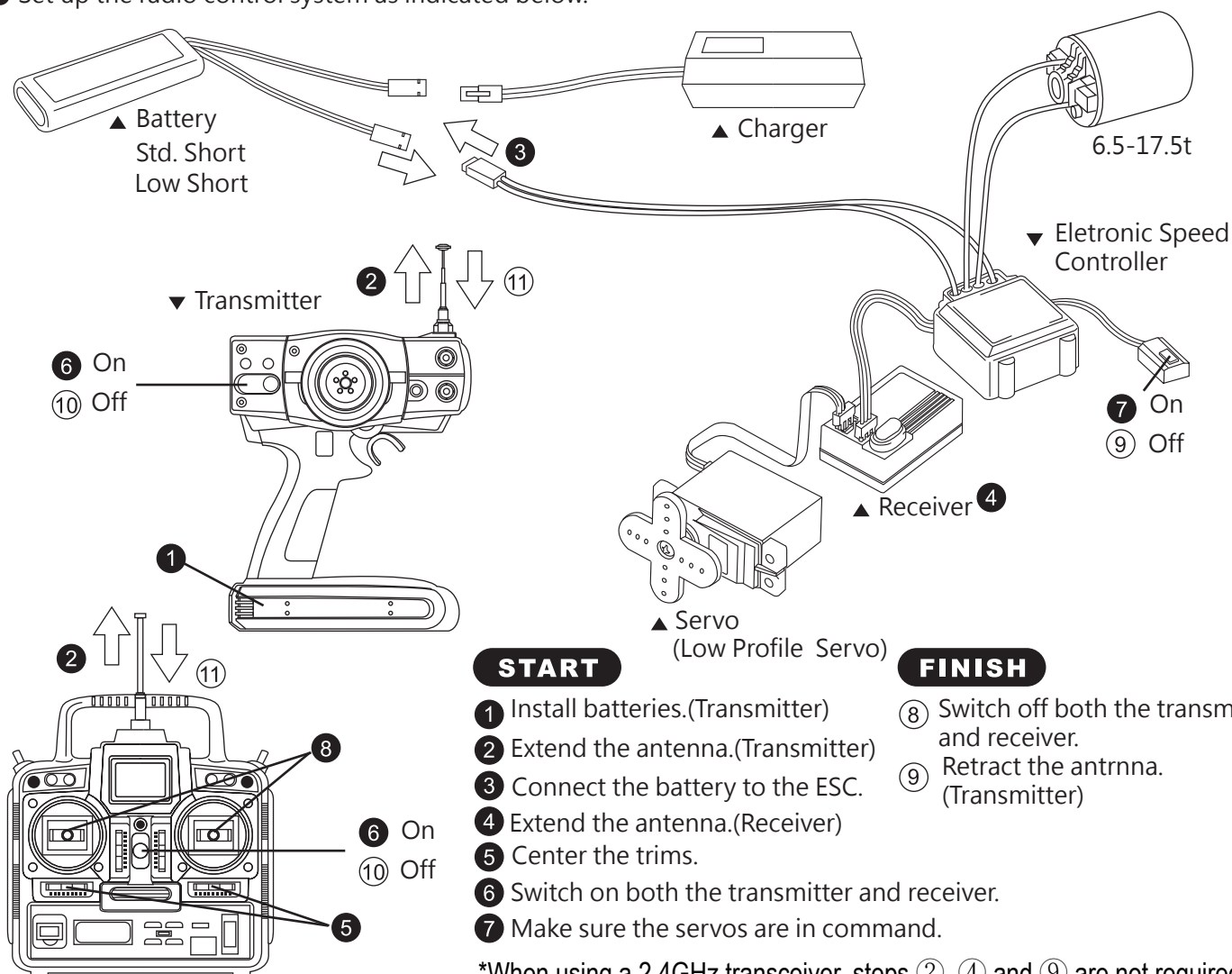


HEALTH WARNING

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.

RADIO PREPARATION

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



A1 Chassis Guard Installation

 2
82400017 M3x5mm

 4
82400016 M3x6mm



82400026 M3x8mm



6

80400026 M3x6mm

 2
82400046 M3x14mm

71400800 Alu

 2
91510016 Alu

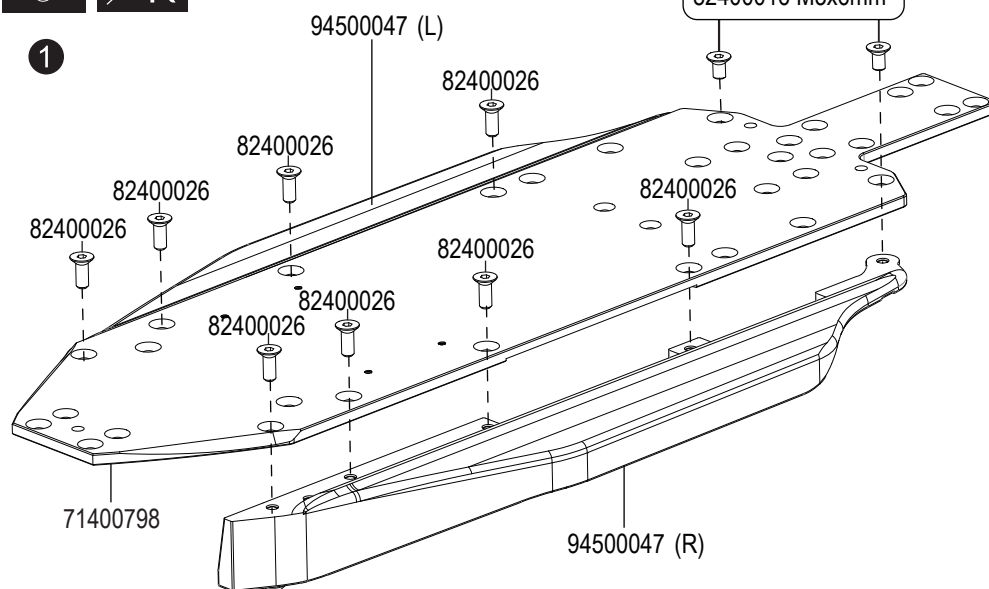
94500047 3-4

 4
99400076 1x9x110mm
3x9x110mm-Foam Set

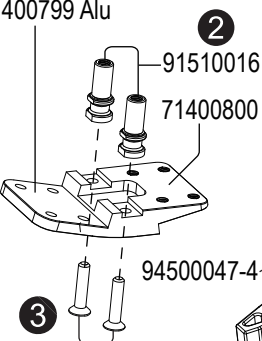
71400798 (3mm)



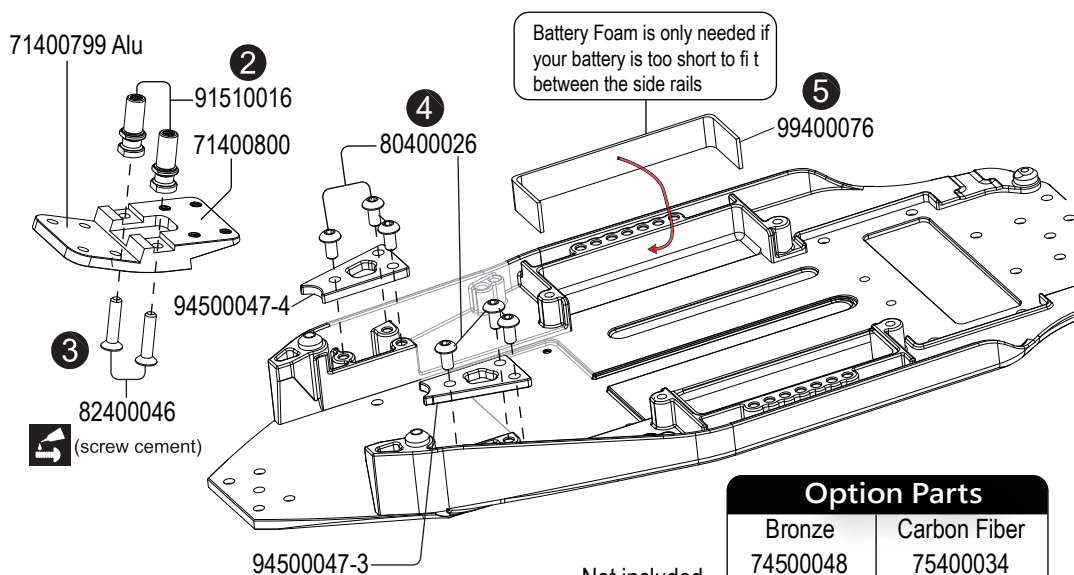
1



71400799 Alu



 (screw cement)

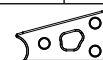


Battery Foam is only needed if your battery is too short to fit between the side rails

Option Parts

Bronze 74500048	Carbon Fiber 75400034
--------------------	--------------------------

Not included



2PCS



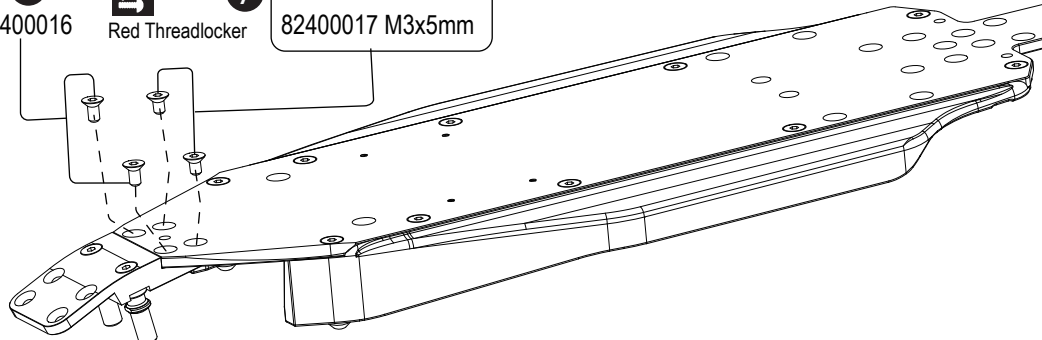
6



Red Threadlocker

7

note size
82400017 M3x5mm



Part bags used.



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



 Assemble in the specified order.



Apply threadlocker
(screw cement)



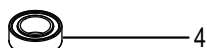
BAG
A

A2 Steering Bellcranks

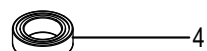
PRB10R



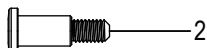
Assembling Steering
Bell Crank
Demonstration



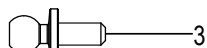
89430041
4x7x2.5mm ZZ Ball Bearing



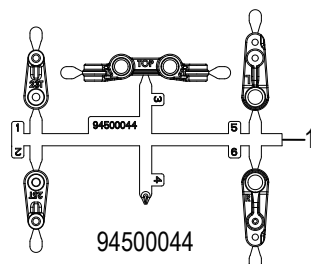
66400756
5x8x2.5mm ZZ Ball Bearing



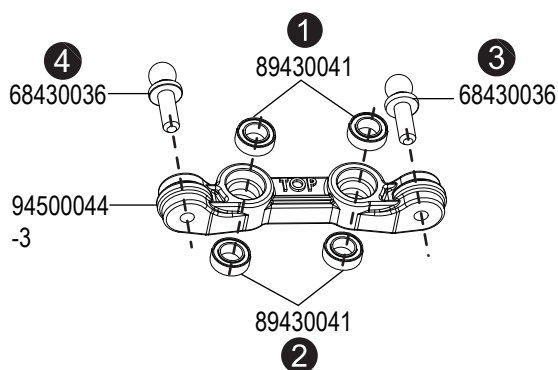
91510017 4x7.1mm



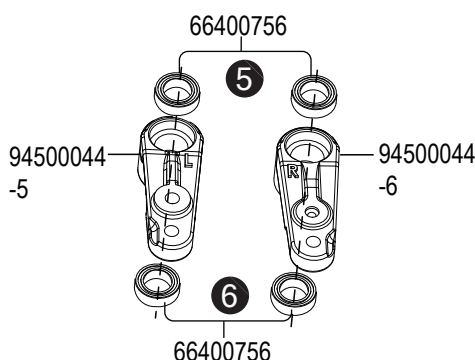
68430036 4.8mmx6mm



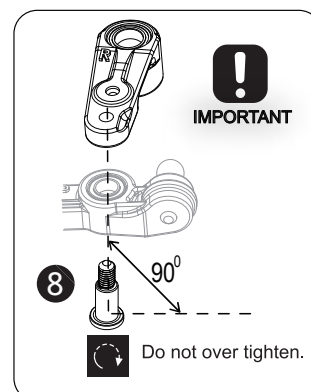
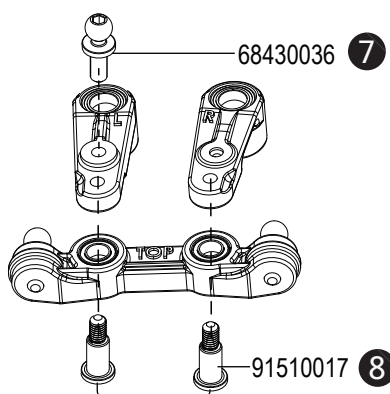
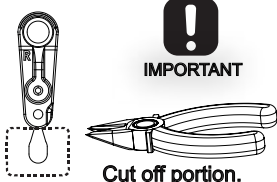
Front



Front

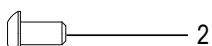


Front



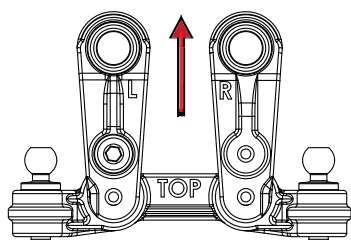
A3 Steering Bellcranks

BAG
A

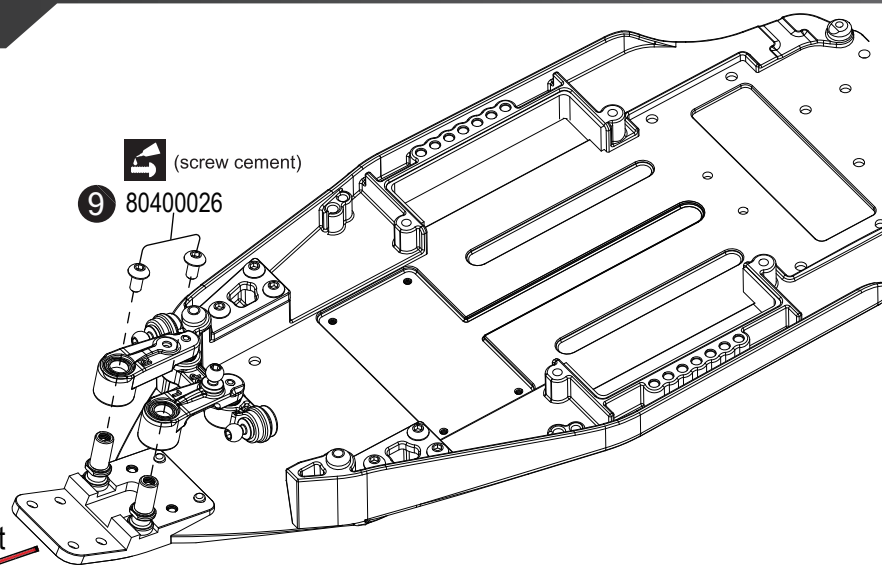
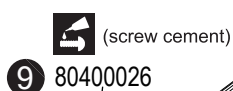


80400026
M3x6mm

Front



Front



Part bags used.



Assemble in the
specified order.



Apply threadlocker
(screw cement)



Do not over tighten.

BAG
A

A4 Steering Servo

PRB10R



1
87400096
M3x8mm Set Screw

1
68430036
M4.8mmx6mm Ball Studs

1
80400046 M3x10mm

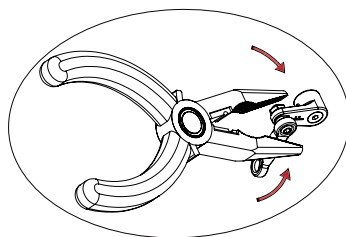
1
25T 23T

94500044-1-2
Servo Horn

2
77430126
4.8mm

Servo Rod

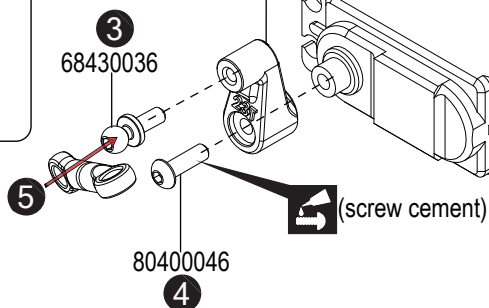
4mm 1
87400096 77430126 4.8mm
2
27.5-27.6mm



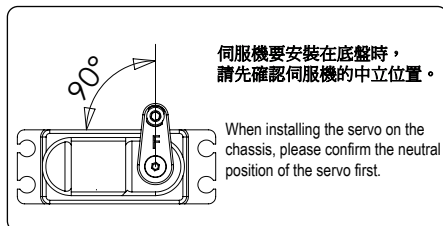
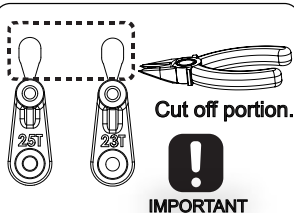
Std. Profile Servo

94500044-1-2
Servo Horn

Servo not included



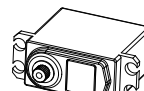
(screw cement)



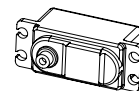
Suggestion

Modify

Stock



Std. Profile Servo



Low Profile Servo

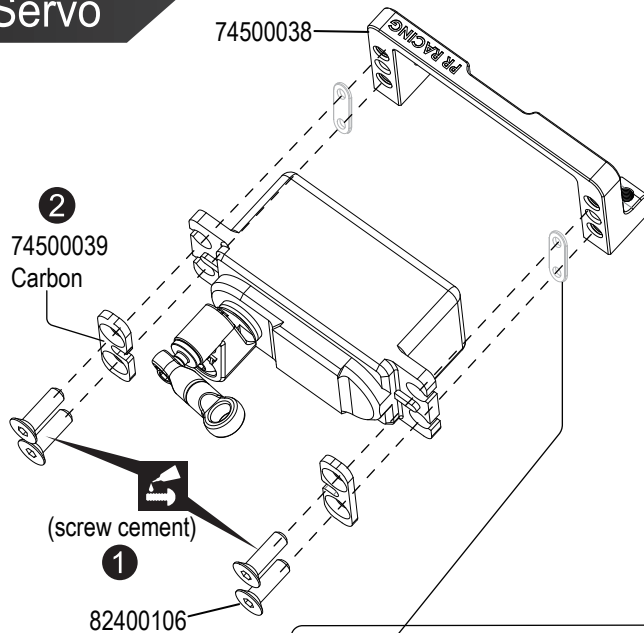
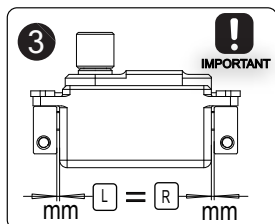
A5 Steering Servo

BAG
A

4
82400106
M3x10mm

2
74500039 Carbon

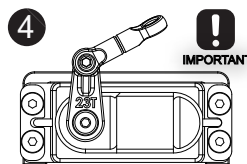
1
PR RACING
74500038 Alu



(screw cement)

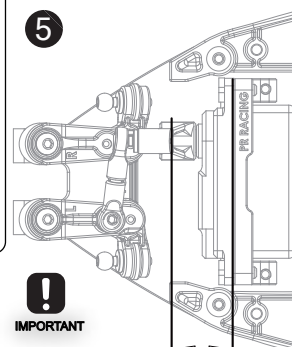
82400106

66430200 2



"Mount the servo flat to
the chassis plate."

Initial Setting



Stable Minimum 17.0mm
Sensitive Maximum 19.0mm



Part bags used.



not included

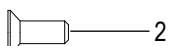
Apply threadlocker
(screw cement)Assemble in the
specified order.

05

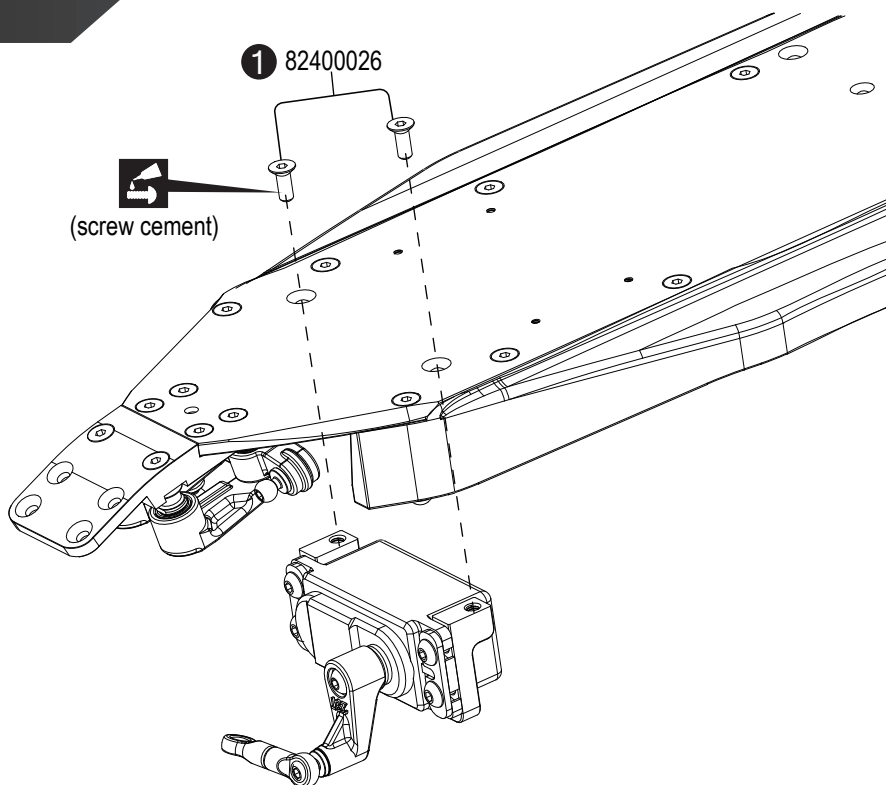
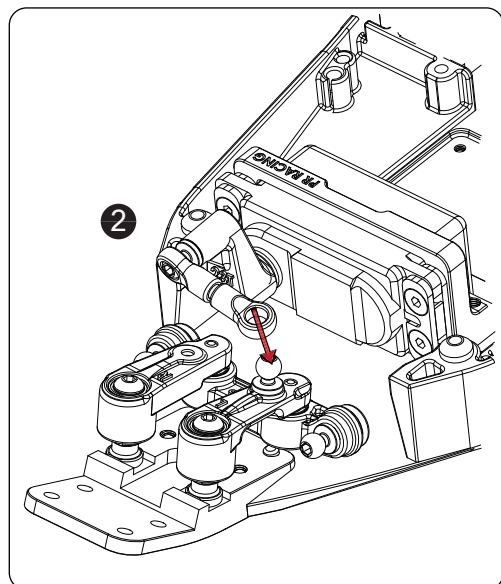


BAG
A

A6 Steering Servo

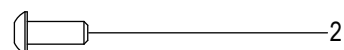


82400026
M3x8mm



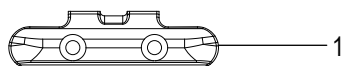
BAG
B

B1 Front Suspension

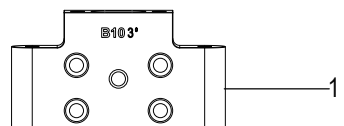


80400036 M3x8mm

79400036 3x36.8mm Pin



94500046-3



66480455 Alu

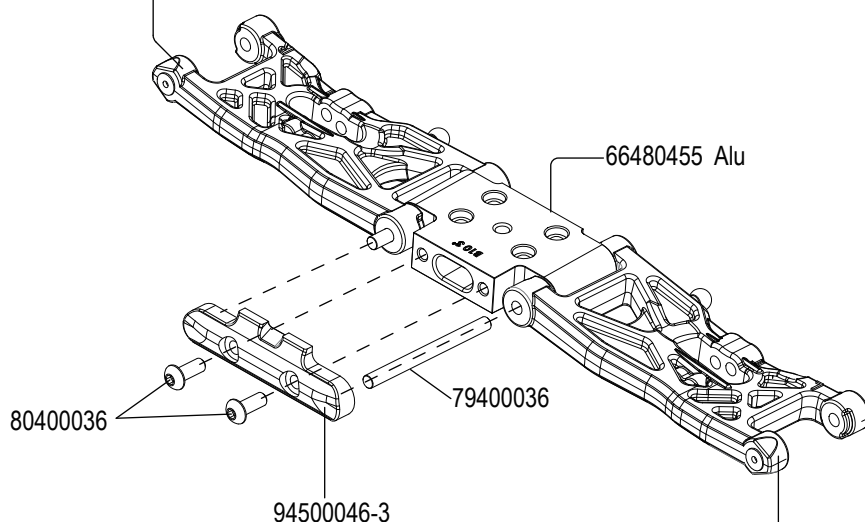


69400153



69400154 **Initial Setting**
Front Lower gull Wishbone
(medium hardness)

Initial Setting
69400154



69400154

Initial Setting

Responsive

69400153



Front Wishbone
(medium hardness)

Stable

69400154



Front Lower gull Wishbone
(medium hardness)





BAG
B

PRB10R

B2 Front Spindle (L&R) Side

Corner Speed

-  4
80400186 M2.5x6mm
-  2
80400036 M3x8mm
-  2
68430036 M4.8mmx6mm

-  2
68430046 M4.8x8mm

-  4
80400056 M3x14mm

-  2
83400106-M3 Lock Nut

-  2
77500216 (Silver) 0.8mm

-  2
77500267 (Brown) 2.3mm

-  4
89430010
5x10x4mm Ball Bearing

-  4
85440180 Shim 5x8x0.5mm

-  2
85440310 Shim 3x6x1mm Alu

-  2
85440311 Shim 3x6x2mm

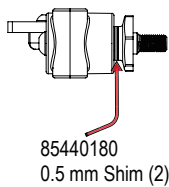
-  2
66481337 Carbon

-  2
71400695 Steel

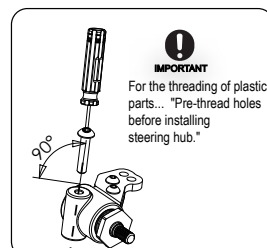
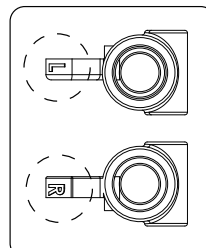
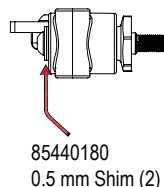
-  1pr
66480856

-  1pr
91400039 Alu

Stable

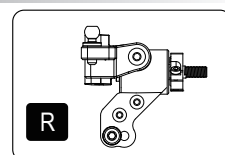
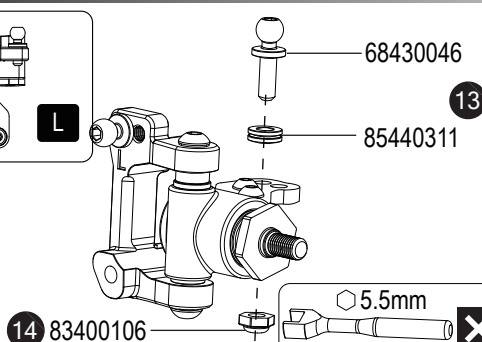
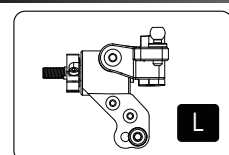
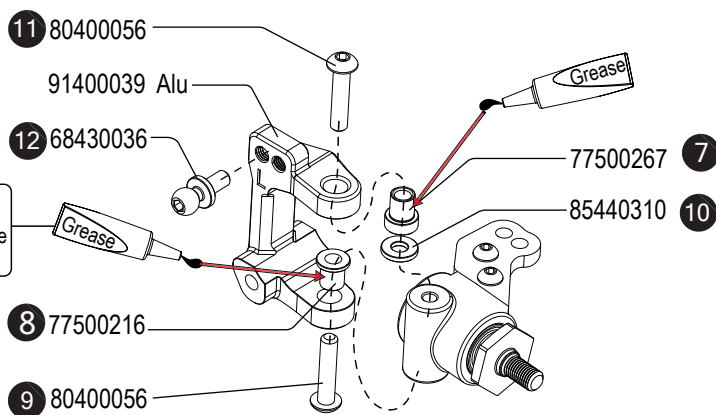
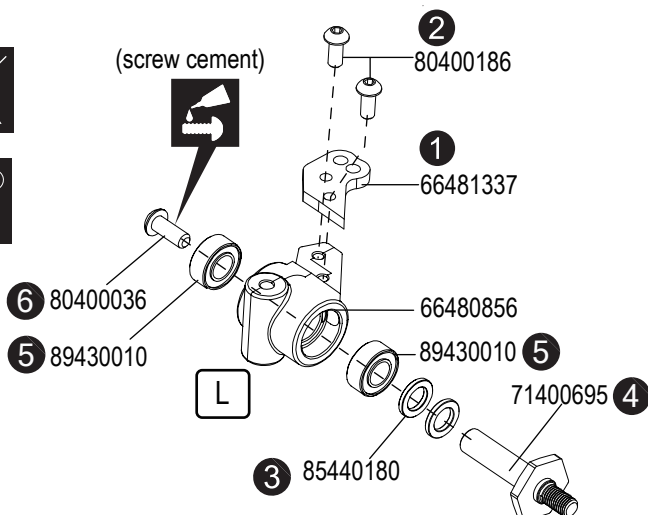


Sensitive



L
R

① → ②
③



5.5mm
14 83400106
Must be purchased separately.



Part bags used.



Assemble in the specified order.



Assemble left and right sides the same way.



Apply threadlocker (screw cement)

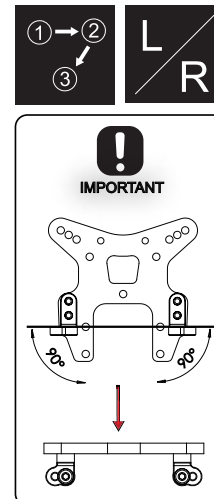
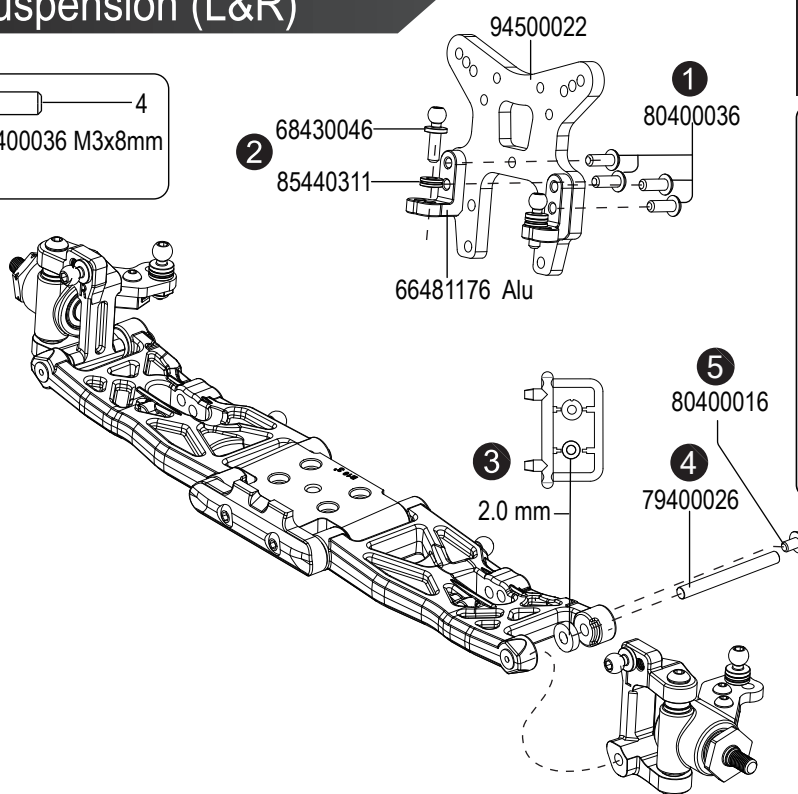
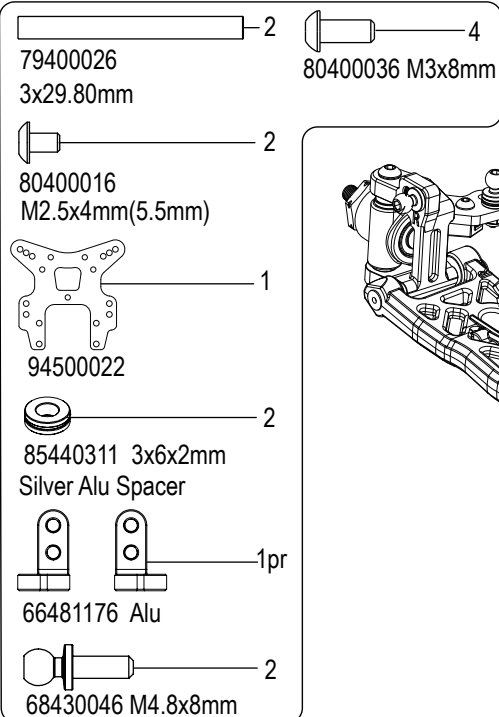


Apply oil.

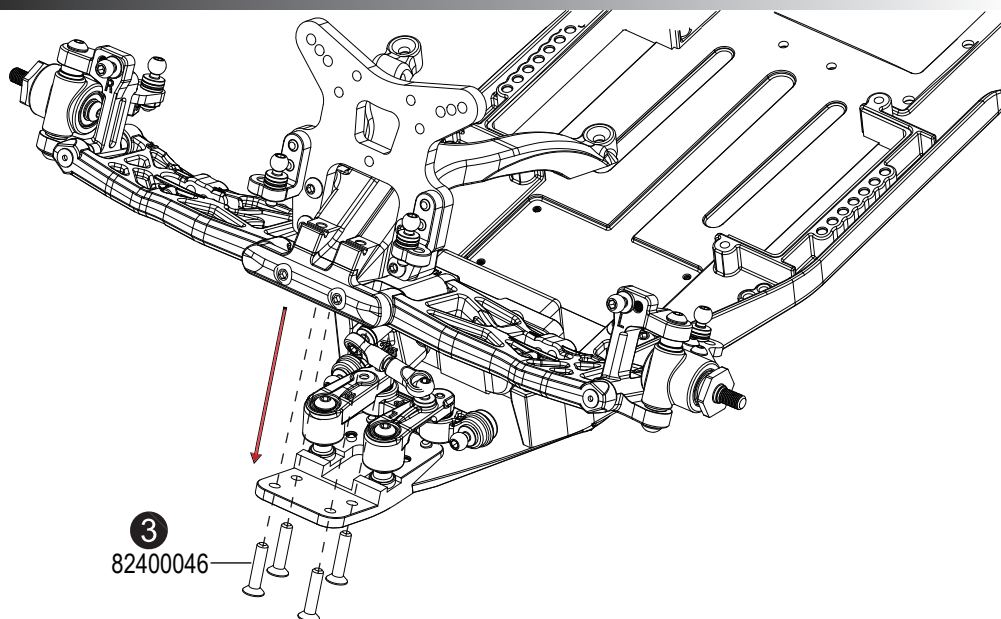
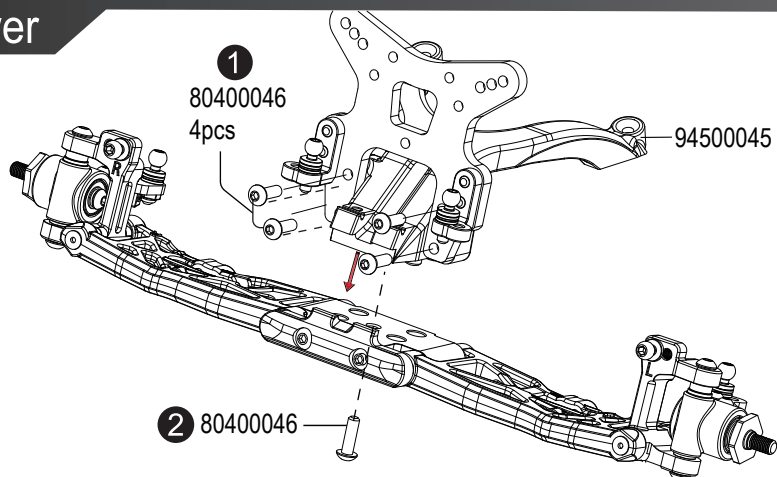
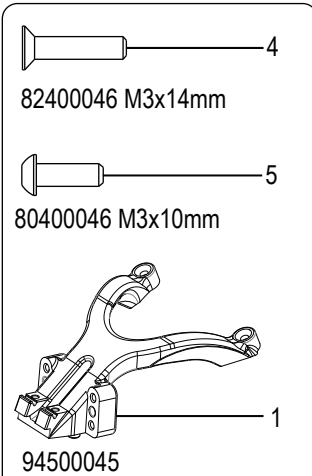
BAG
B

B3 Front Suspension (L&R)

PRB10R

BAG
B

B4 Front Shock Tower





BAG
B

PRB10R

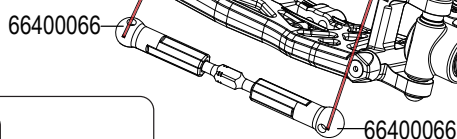
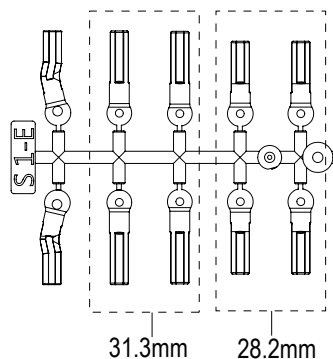
B5 Front Upper Turnbuckle Assembly

One side is reverse threaded.

66400346 36mm Turnbuckle 2

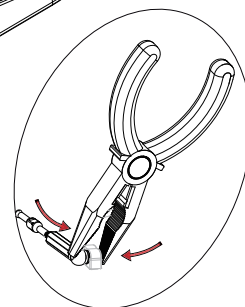
82400046 M3x14mm 2

66400066 28.2mm Rod End 4

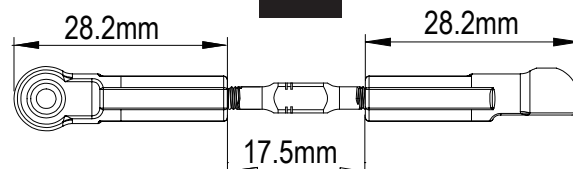


IMPORTANT

Orient the notch to the left throughout the car. It indicates which end has the left hand threads!



1:1



BAG
B

B6 Turnbuckle Assembly-Steering Rod

One side is reverse threaded.

66400346 36mm Turnbuckle 2

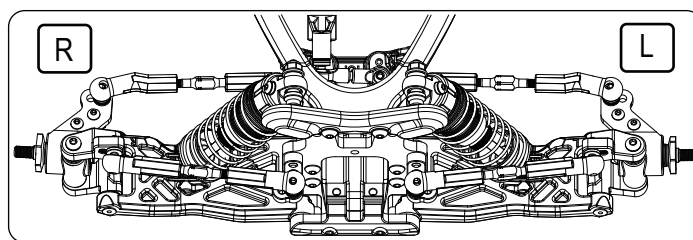
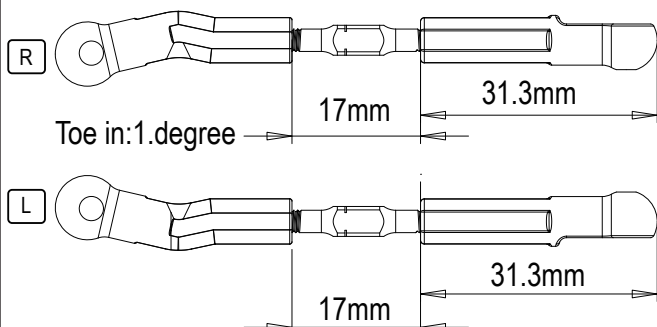
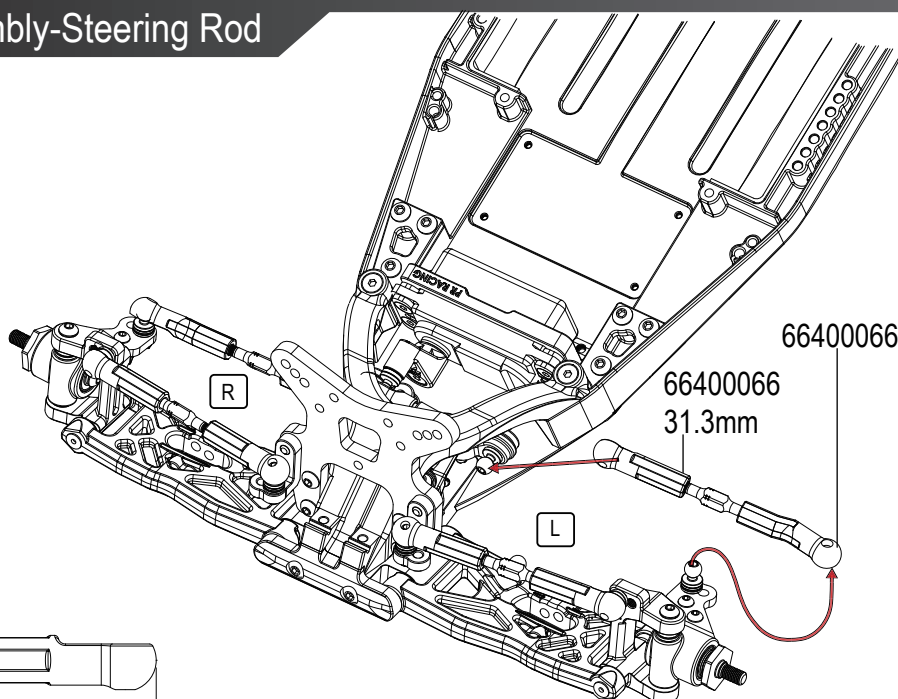
66400066 31.3mm Rod End 2

66400066 R 1

66400066 L 1

L/R

1:1



Part bags used.



Note the direction.



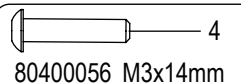
Assemble left and right sides the same way.

1:1

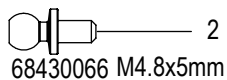
True-to-scale diagram.

09

B7 Rear Hub & CVA



80400056 M3x14mm



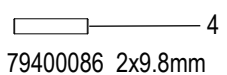
68430066 M4.8x5mm



89430020
5x13x4mm Ball Bearing



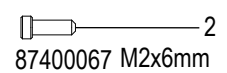
89430030
10x15x4mm Ball Bearing



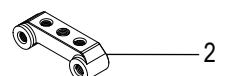
79400086 2x9.8mm



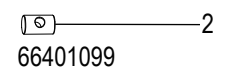
68440095 (Kit)



87400067 M2x6mm



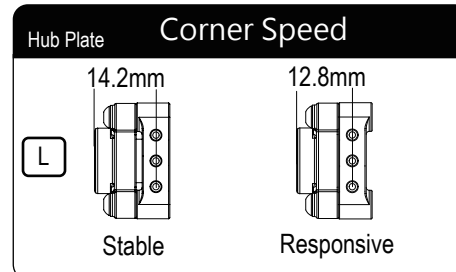
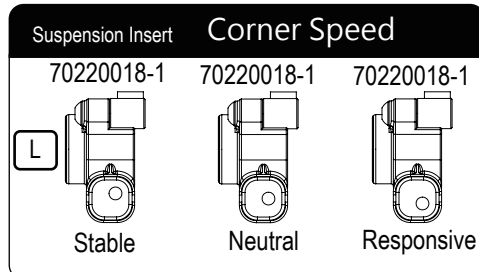
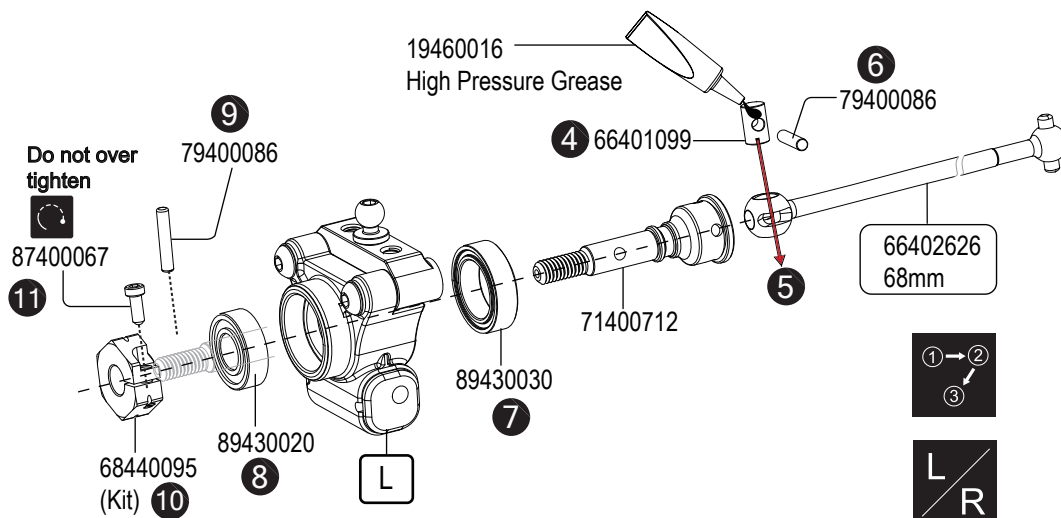
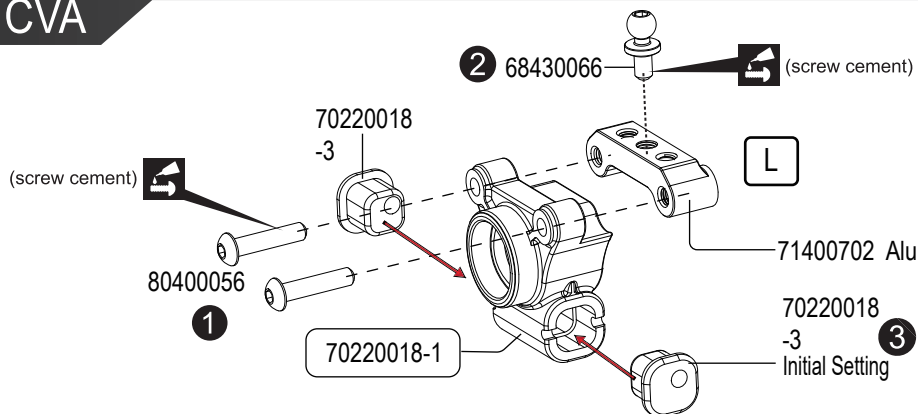
71400702 Alu



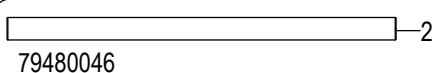
66401099



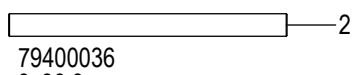
71400712



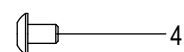
B8 Rear Hub (L&R)



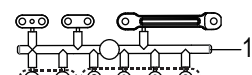
79480046
3x50.8mm



79400036
3x36.8mm



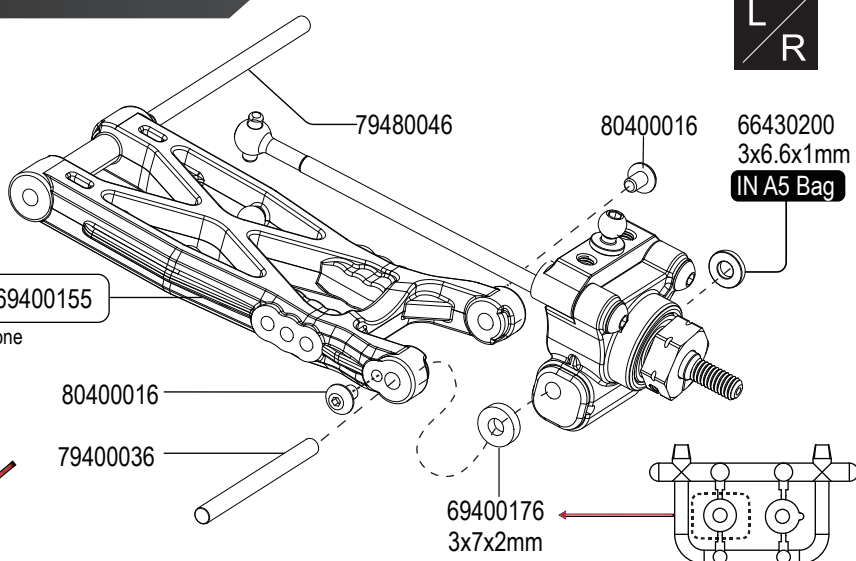
80400016
M2.5x4mm(5.5mm)



66430200 **IN A5 Bag**

IN B1 BAG → 694
Rear Lower gull Wishbone
(medium hardness)

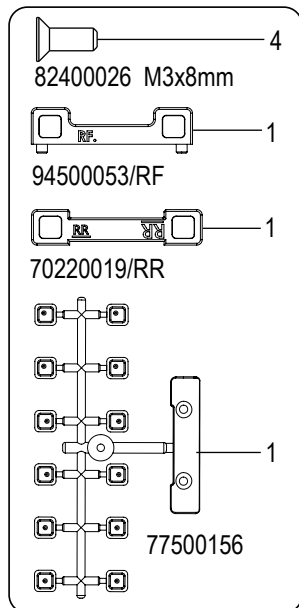
Front



BAG
B

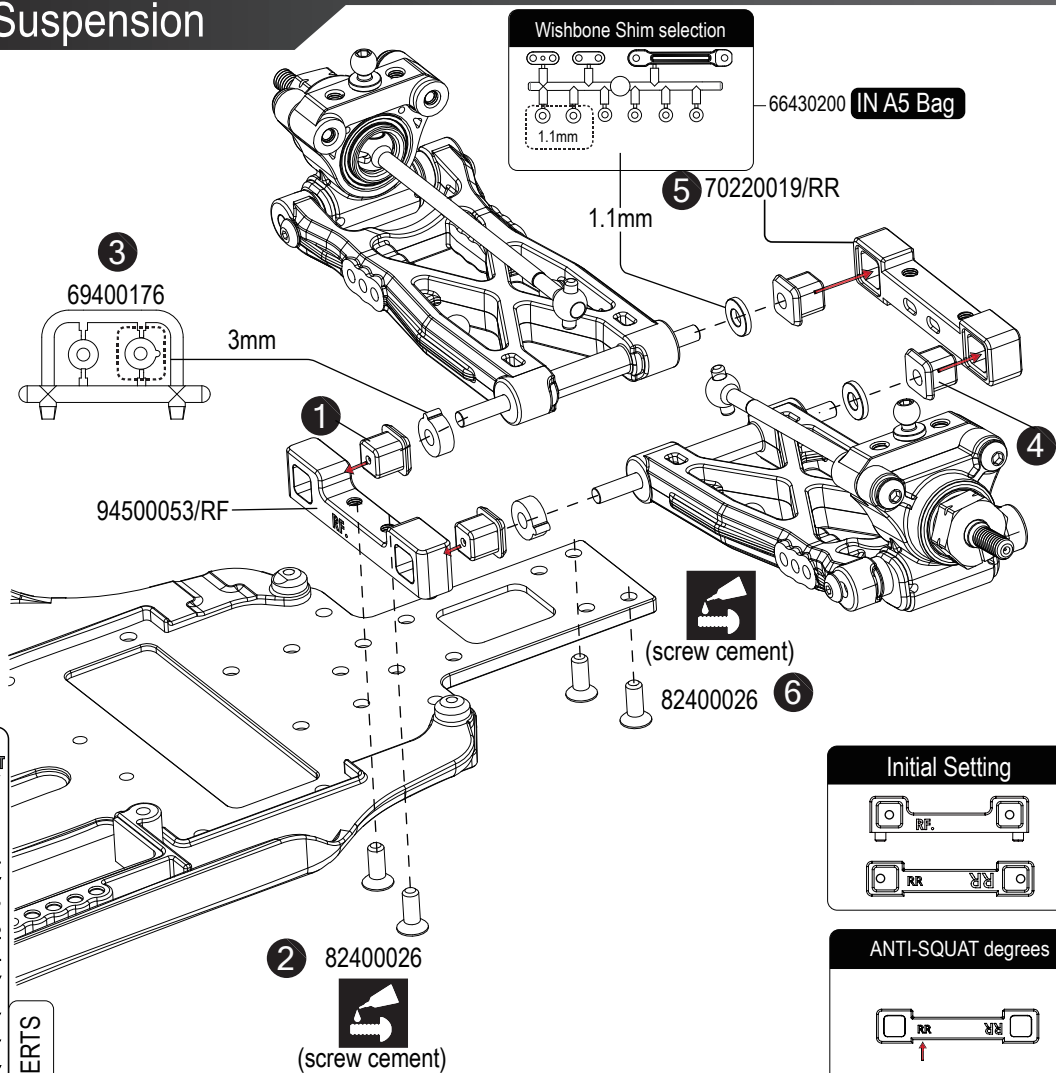
B9 Rear Suspension

PRB10R

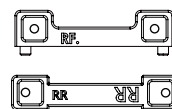


RF	RR	TOE	W SQUAT	RR SQUAT
		+1.79	+1.38	+3.17
		+1.79	+2.20	+3.99
		+1.79	+3.03	+4.81
		+1.79	+0.55	+2.34
		+1.79	+1.38	+3.17
		+1.79	+2.20	+3.99
		+1.79	-0.28	+1.52
		+1.79	+0.55	+2.34
		+1.79	+1.38	+3.17
		+1.79	+1.38	+3.17
		+0.96	+1.38	+3.17
		+0.14	+1.38	+3.17
		+2.62	+1.38	+3.17
		+1.79	+1.38	+3.17
		+0.96	+1.38	+3.17
		+3.44	+1.38	+3.17
		+2.62	+1.38	+3.17
		+1.79	+1.38	+3.17
		+3.55	+3.14	+4.92
		+0.03	-0.39	+1.41

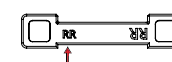
REAR HANGER INSERTS



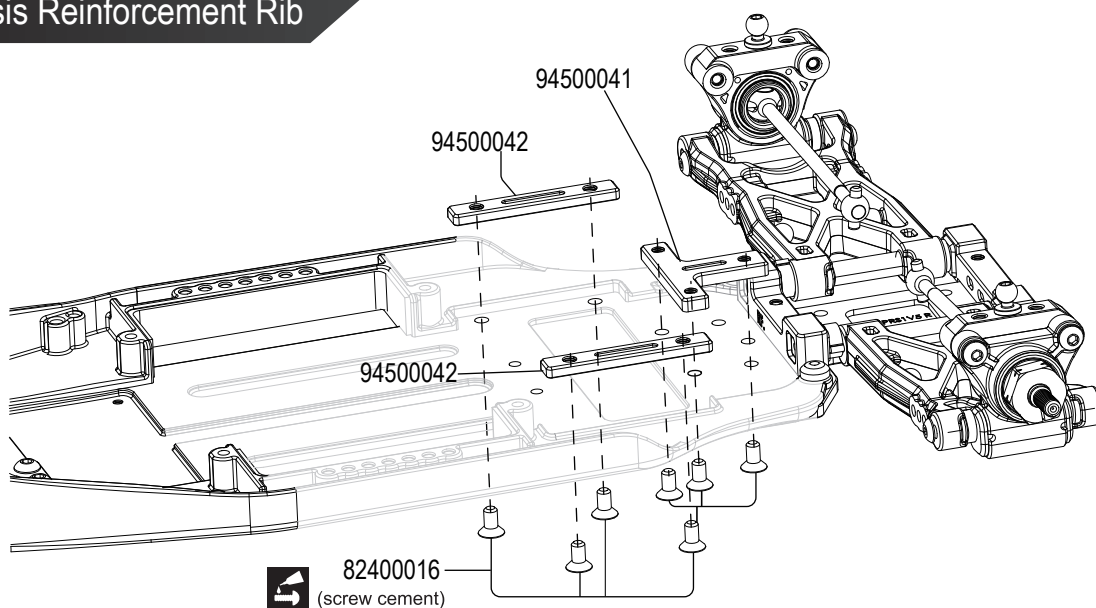
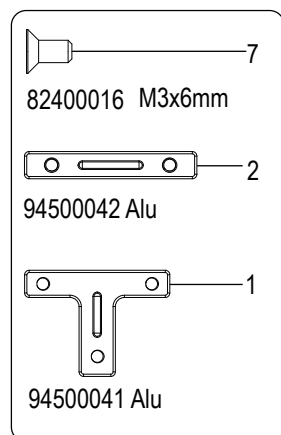
Initial Setting



ANTI-SQUAT degrees

BAG
B

B10 Chassis Reinforcement Rib



Part bags used.

Apply threadlocker
(screw cement)Assemble in the
specified order.



BAG
C

C1 Gear Differential

PRB10R

80000021
M2.5x8mm

85440170
5x8x0.8mm Shim

31450016 O-ring

85440160
4x10x0.15mm Shim

85400016 3.5mm
E-Clip

74480037

66480336 14T

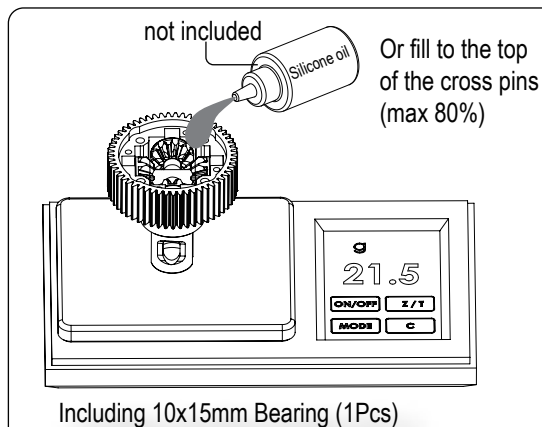
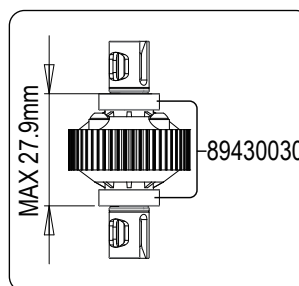
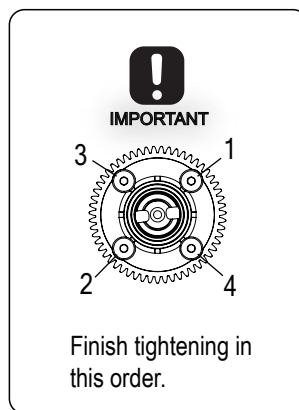
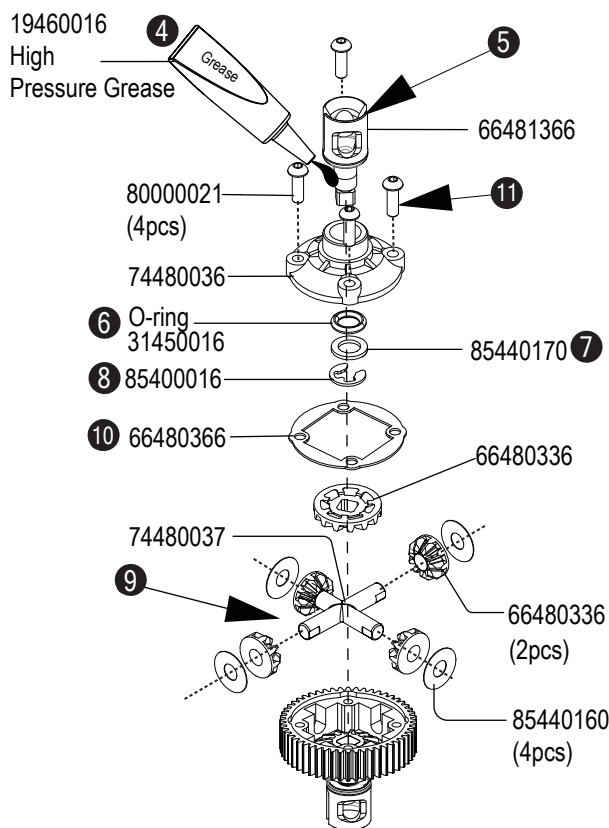
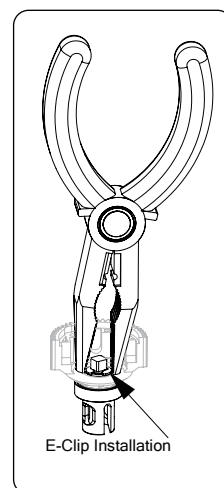
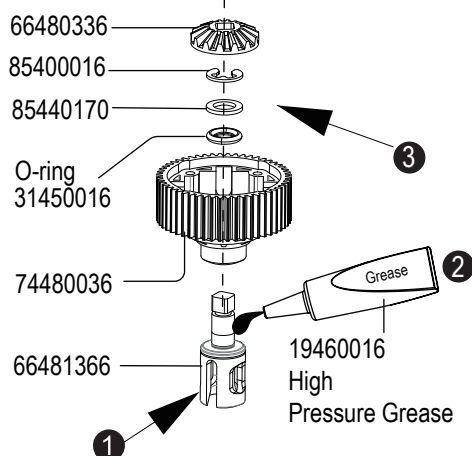
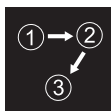
66480336 9T

66481366

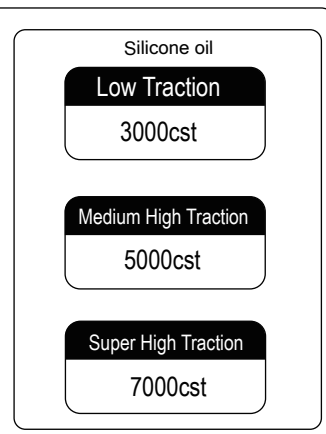
66480366

74480036

89430030
10x15x4mm Ball Bearing



Including 10x15mm Bearing (1Pcs)





C2 Transmission Assembly



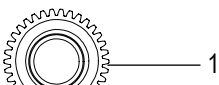
89430010
5x10x4mm Ball Bearing



66480236-5x18mm
Aluminium Idler Shaft



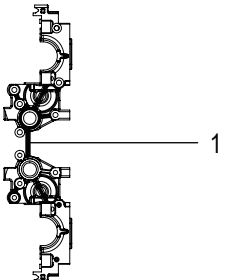
80400066
M3x20mm



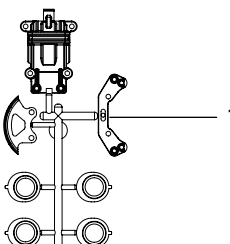
66402085
35T Alu Idler Gear



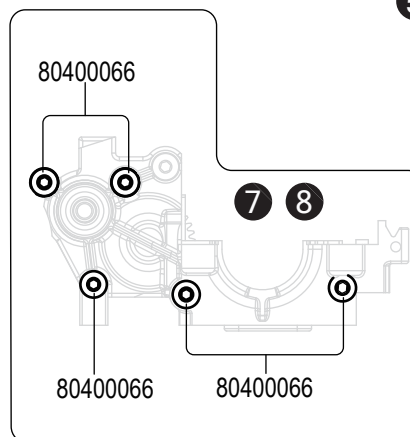
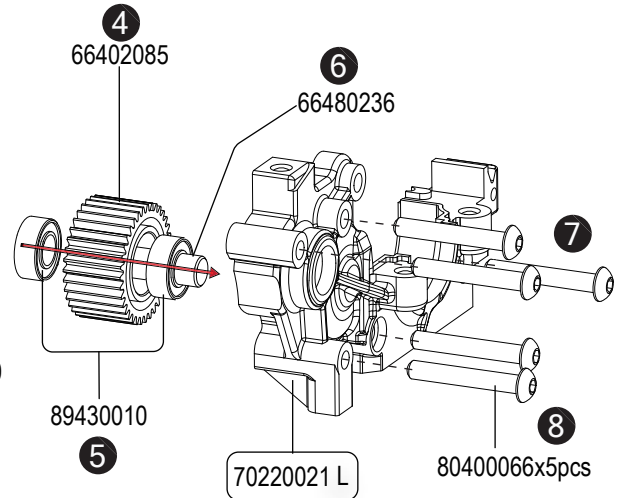
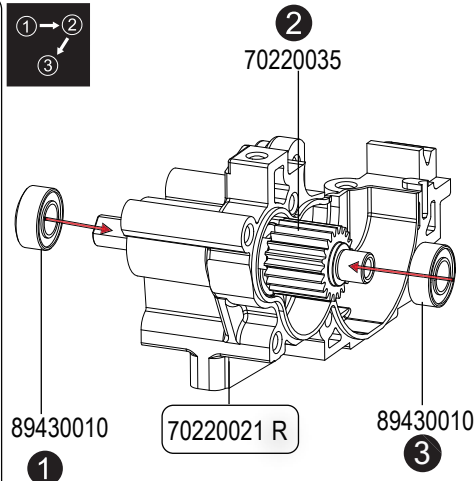
70220035 21T



70220021

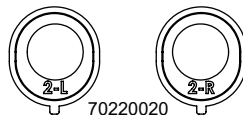


70220020



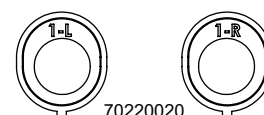
!
Tighten the screws equally
but do NOT
tighten them completely.

Carpet / High Traction

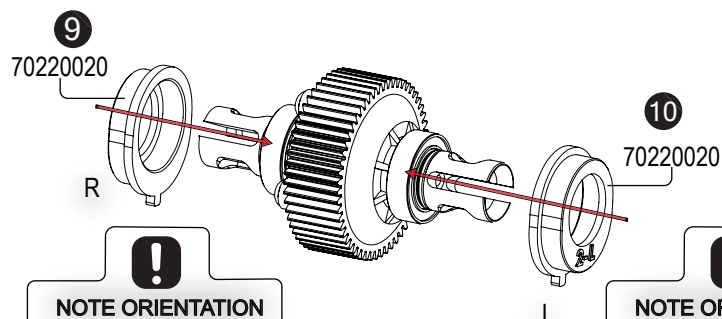


Bevel Drive Gear & Differential
Height Adjustment (Initial Setting)

Dirt / Low Traction



Bevel Drive Gear & Differential
Height Adjustment (Initial Setting)



!
NOTE ORIENTATION
Numbers must have
the same orientation
on each side

!
NOTE ORIENTATION
Numbers must have
the same orientation
on each side



Part Bags used.



Assemble in the
specified order.



BAG
C

PRB10R

C2.1 Anti-Roll Bar

80400057
M3x15mm

80400066
M3x20mm

82400066 M2.5x8mm

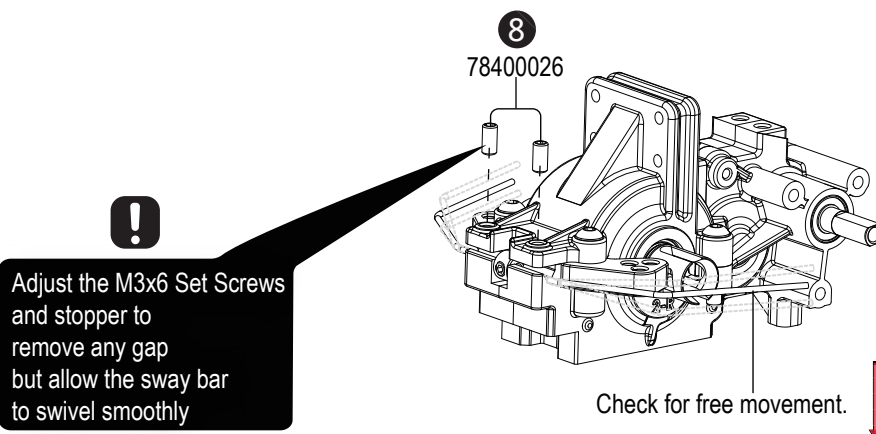
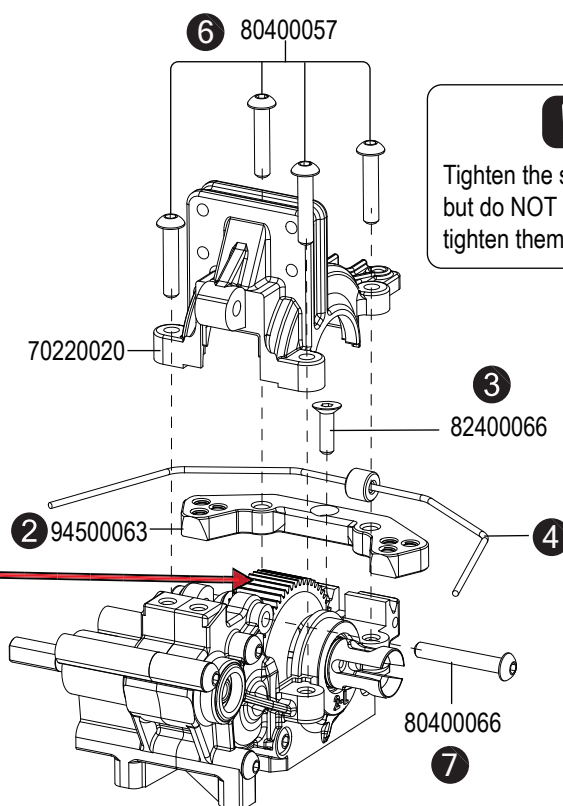
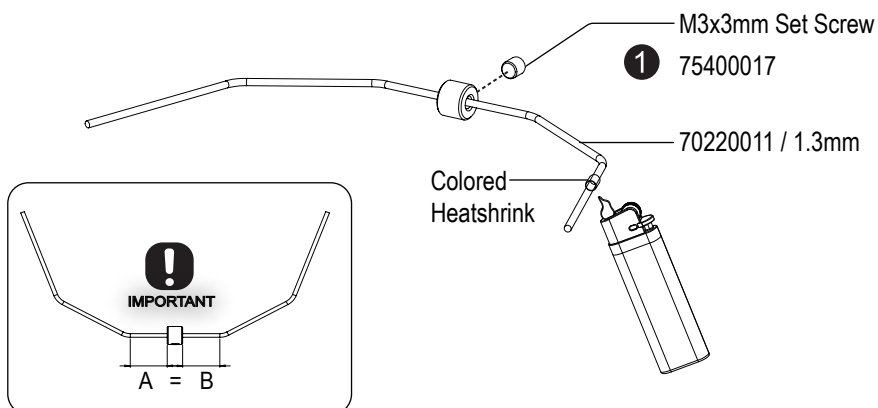
87400016
M3x3mm Set Screw

75400017
Sway Bar Stop Collar

70220011 / 1.3mm

78400026 M3x6
Set Screw

94500063 Alu





C3 Slipper&Spur Gear



82400176
M3x15mm



83400046-M3 Lock Nut



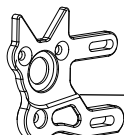
70220016
Slipper Spring Adapter, Inner



70220017
Slipper Spring Adapter, Outer



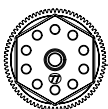
77480118



94500040
PR B10R
Alu Motor Plate



66480586 75T



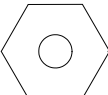
66480596 77T



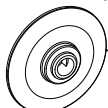
70220014



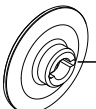
79400085
pin 1.5mmx8.3mm



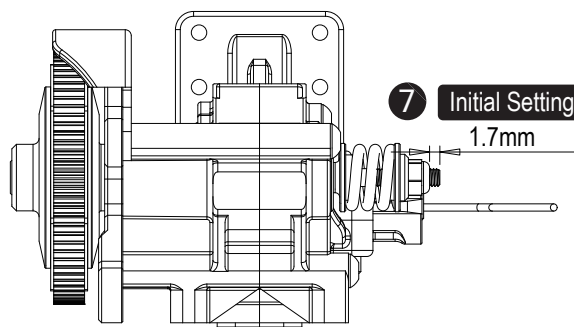
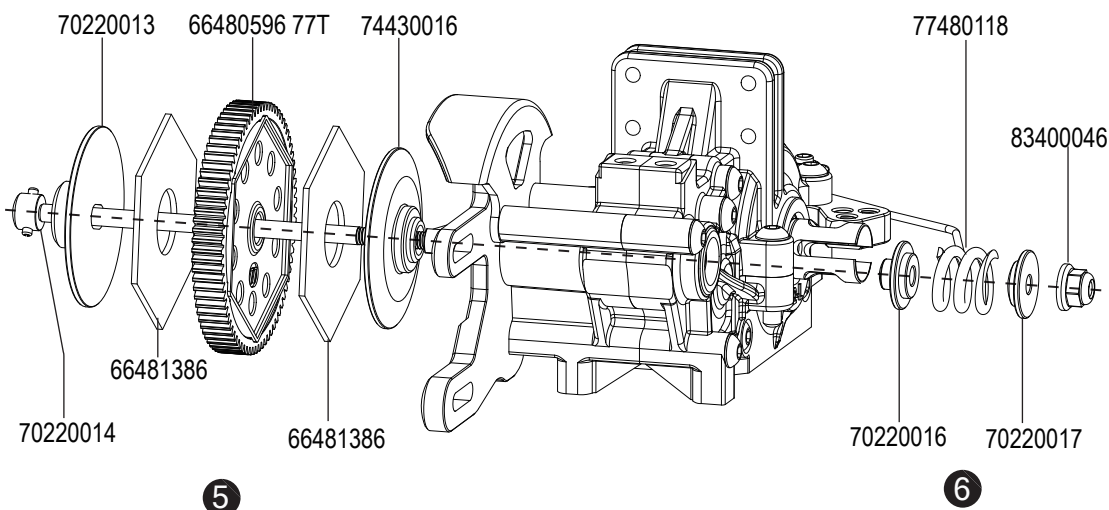
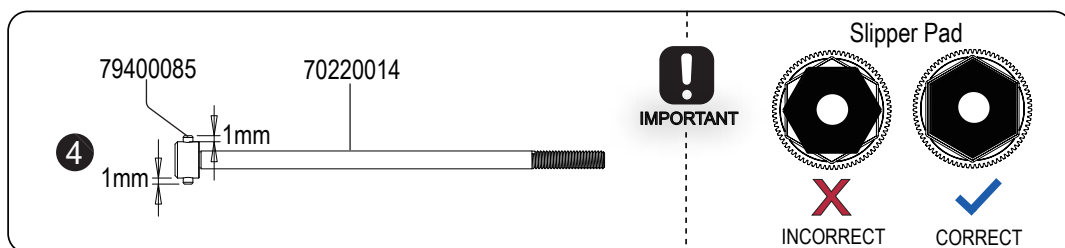
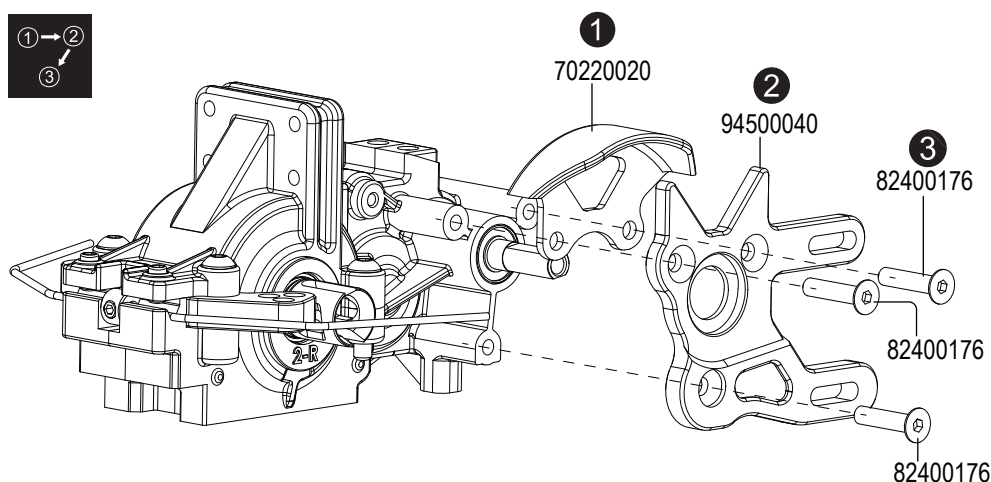
66481386
11mm Slipper Pad



74430016 (Inner)



70220013 (Outer)



7 Initial Setting
1.7mm

Tighten the lock nut for the slipper spring to 0mm for first drive. Adjust according to track conditions and motor turn.



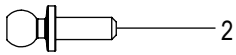
Part Bags used.



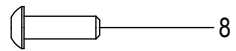
Assemble in the specified order.



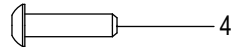
C4 Rear Shock Tower



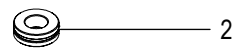
68430046
M4.8x8mm Ball Studs



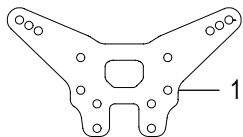
80400046
M3x10mm



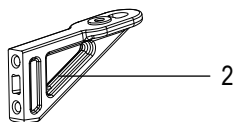
80400206
M3x12mm



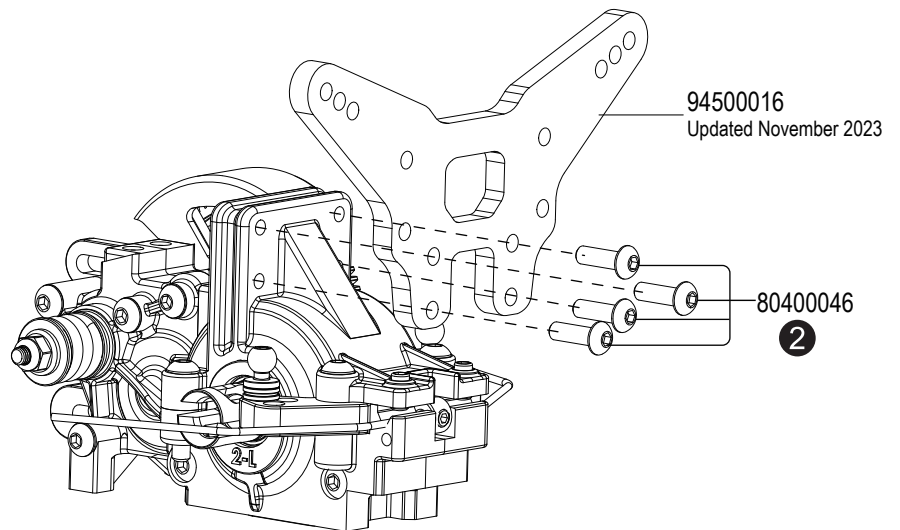
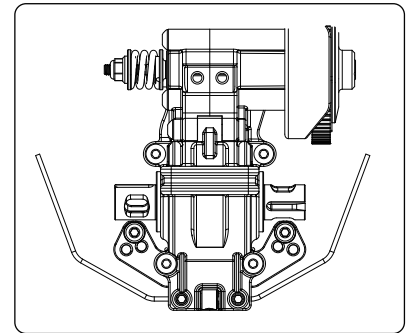
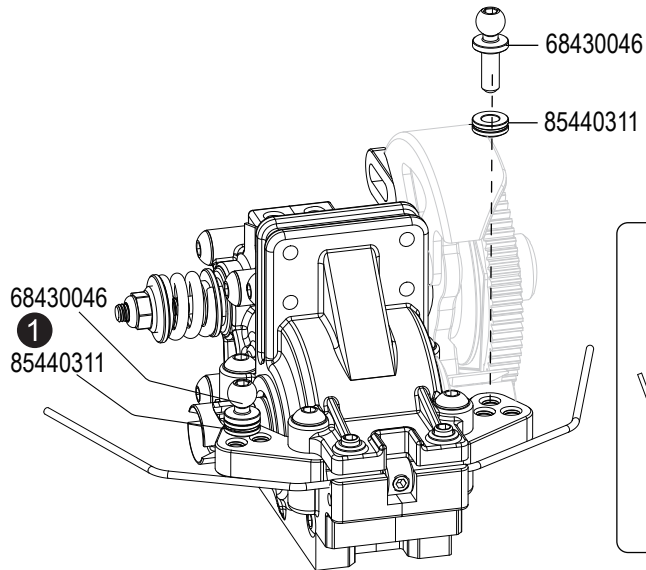
85440311
3x6.0x2mm Aluminum Spacer



94500016



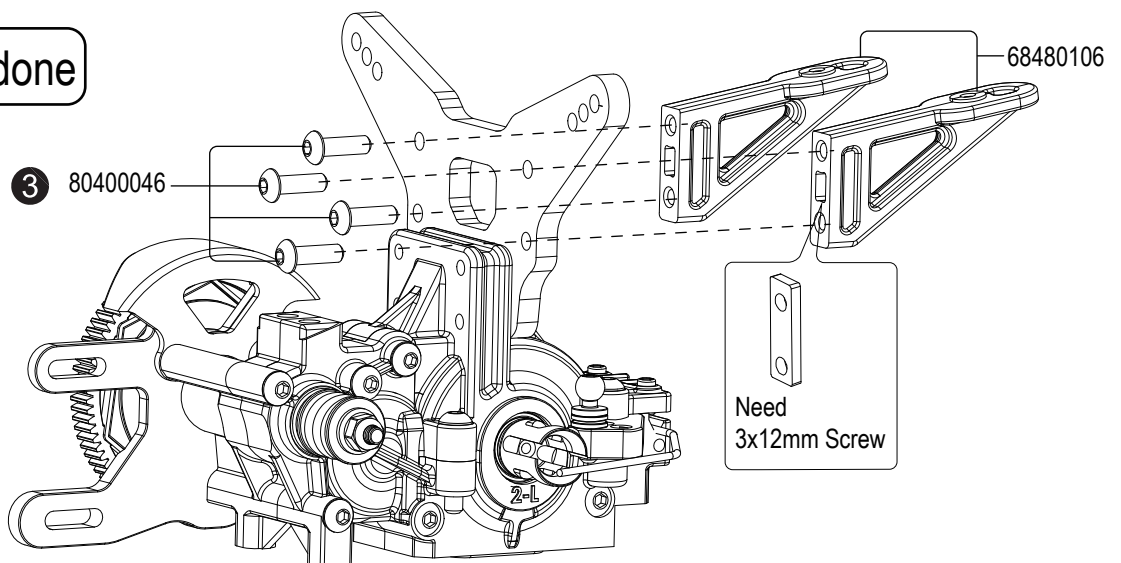
68480106



94500016
Updated November 2023

80400046
2

You are 50% done



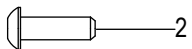
Need
3x12mm Screw



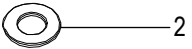


BAG
C

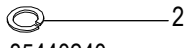
C5 Motor



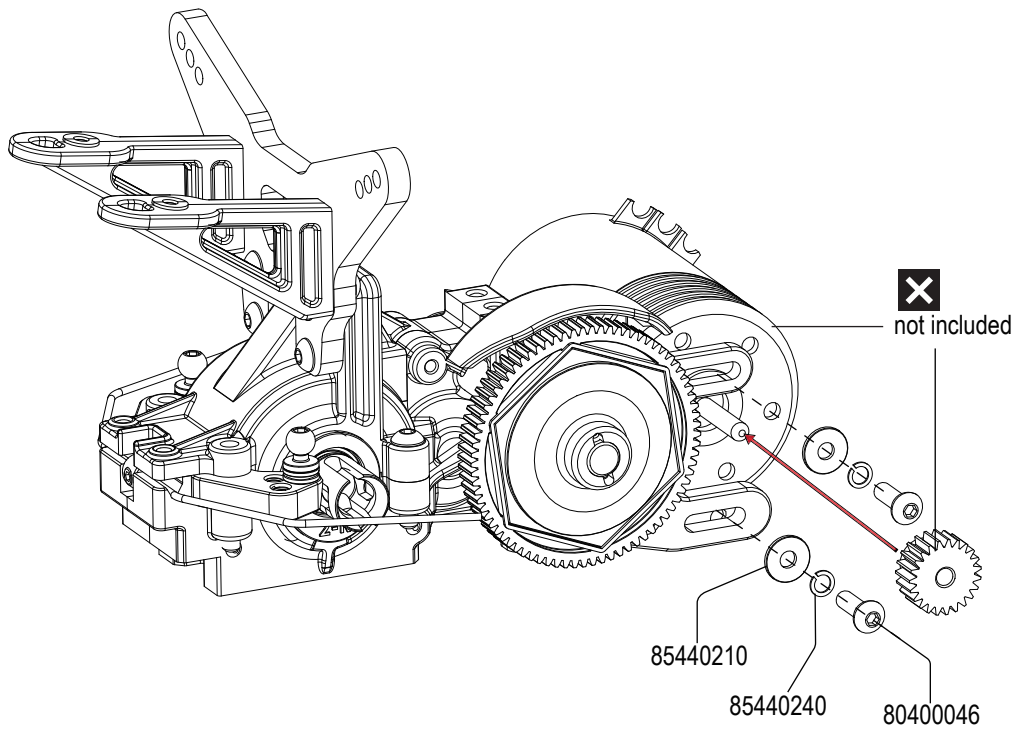
80400046
M3x10mm



85440210
3x8x0.8mm Shims



85440240
M3 Antislip Shims



85440210

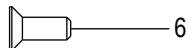
85440240

80400046



BAG
C

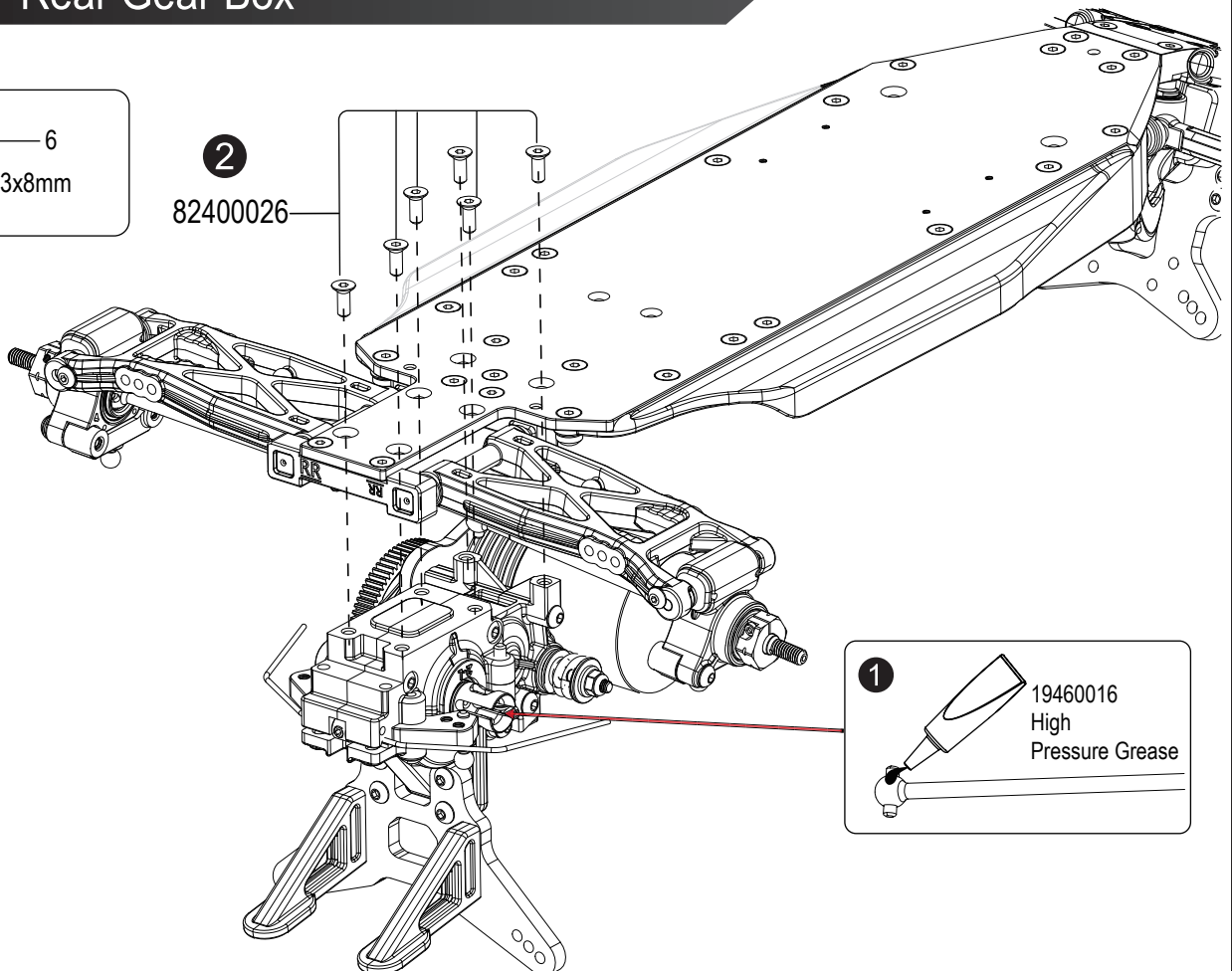
C6 Rear Gear Box



82400026 M3x8mm

2

82400026



1

19460016
High
Pressure Grease



Part Bags used.



Assemble in the
specified order.

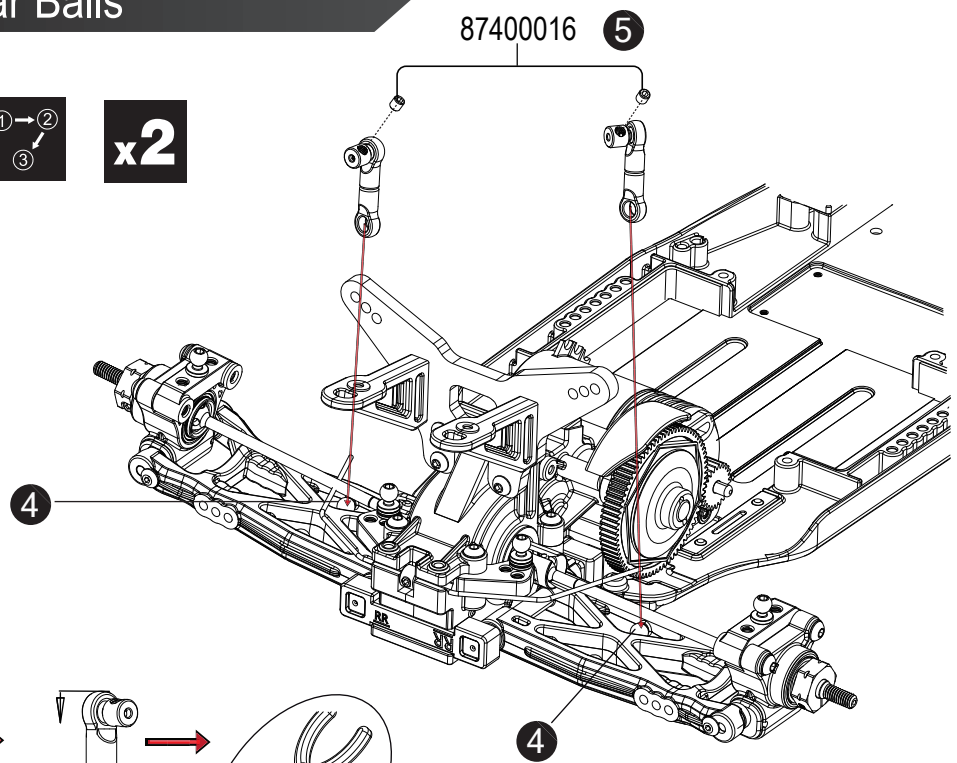
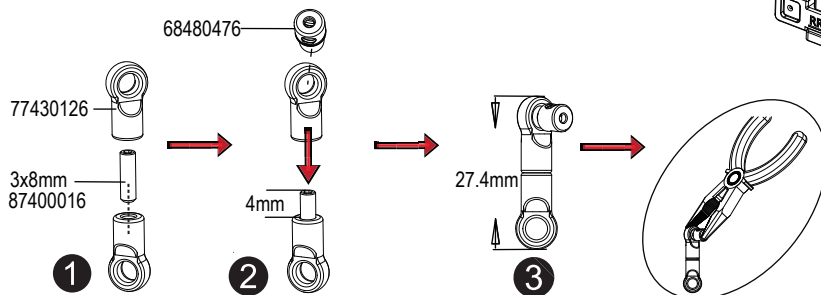


not included

BAG
C**PRB10R**

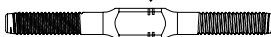
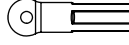
C7 Anti-Roll Bar Balls

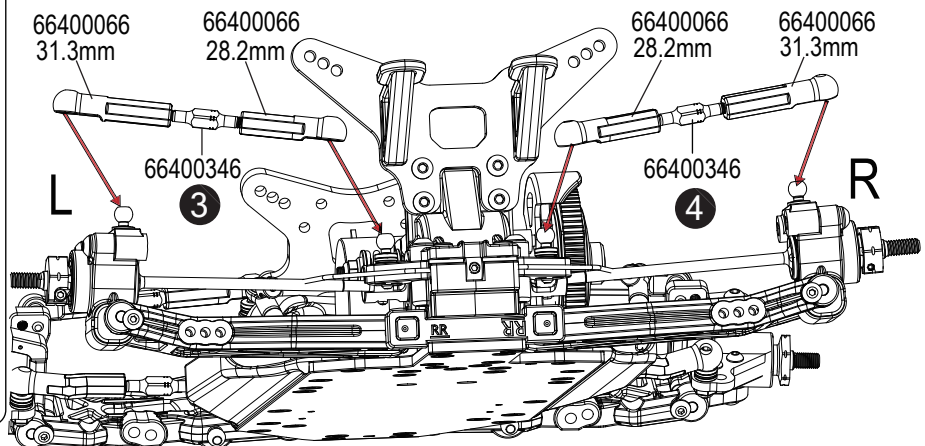
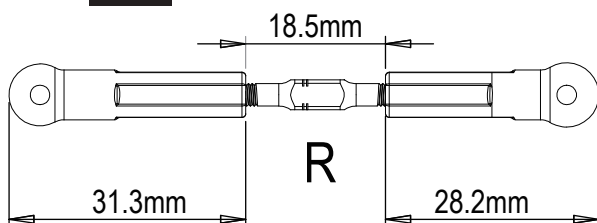
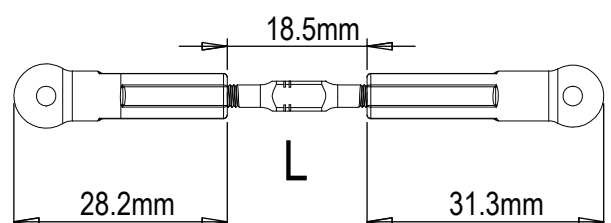
-  2
87400096
Set Screw 3x8mm
-  2
68480476
Anti-Roll bar Balls 1.7mm
-  4
77430126
-  2
87400016
Set Screw 3x3mm

**x2**BAG
C

C8 Rear Upper Rod-Turnbuckle Assembly

One side is reverse threaded.

-  2
66400346
36mm Turnbuckle
-  2
66400066
28.2mm Rod End
-  2
66400066
31.3mm Rod End

**1:1****1****2**



D1.1 Front & Rear Shock Assembly

! IMPORTANT

Clamping place

✓
CORRECT

✗
INCORRECT

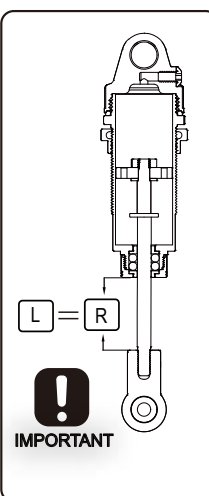
✗
INCORRECT

✓
CORRECT

Twist the shock rod through the lower shock body assembly.

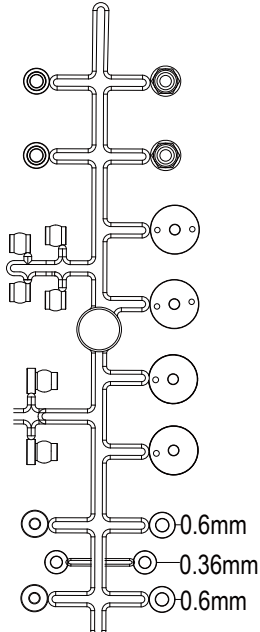
✗
INCORRECT

EXTREMELY IMPORTANT



Rear Buildx2
Front Buildx2
Initial setting

68410066 — 2

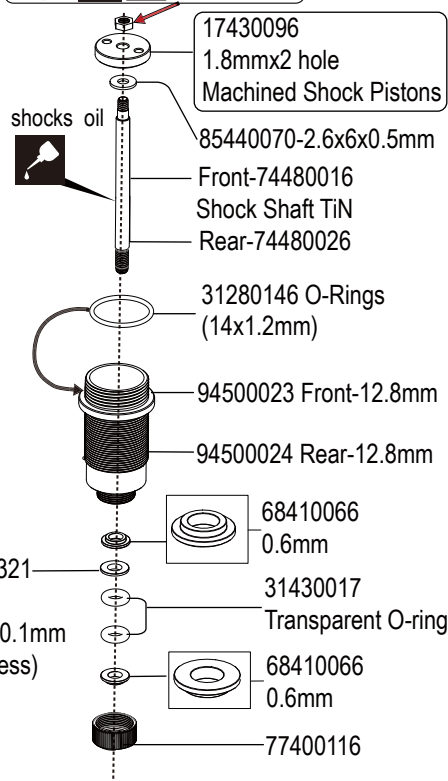


m2.5 Do not over tighten (screw cement)

1



83400066
m2.5



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

68410066
0.6mm

31430017
Transparent O-ring

68410066
0.6mm

77400116

3

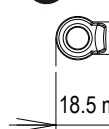


Front=23mm
Back=30.5mm



66401867

4



Front
66400066
Rear
66400066

18.5 mm

SETUP TIP:

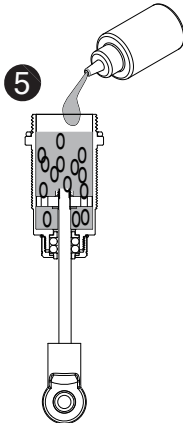
The 0.1mm Stainless shim is a tuning option. Use it to improve the seal and reduce oil leakage but it may reduce smoothness of shock action or leave it out for smoother action but there may be slight oil leakage.

2



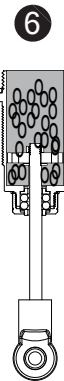
D1.2 Front & Rear Shock Assembly

Front Build x2
Rear Build x2

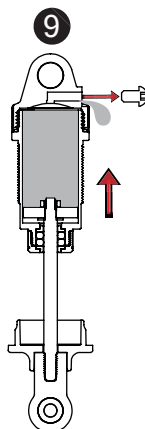
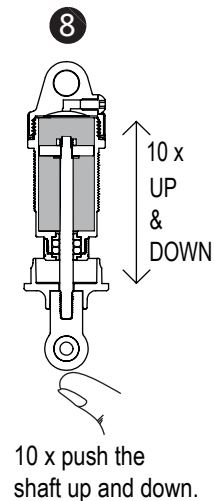
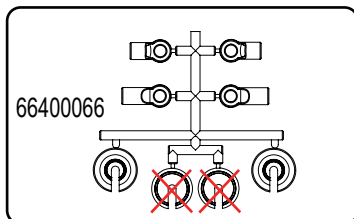
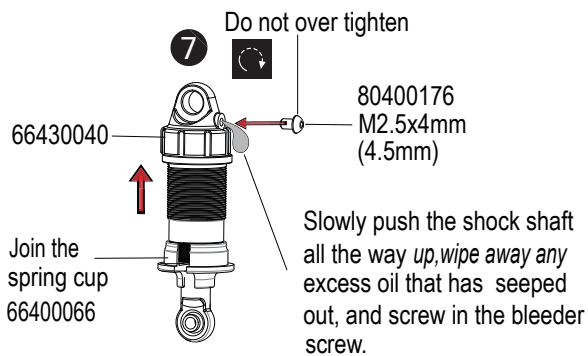


Initial Setting

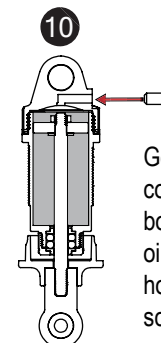
Front shocks oil	Rear shocks oil
↑ 20°C 450Cst	↑ 20°C 400Cst
↓ 20°C 400Cst	↓ 20°C 350Cst



Slowly move up
and
down to remove
air bubbles.



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.

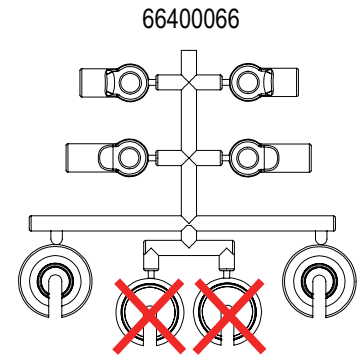
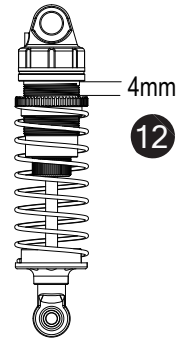
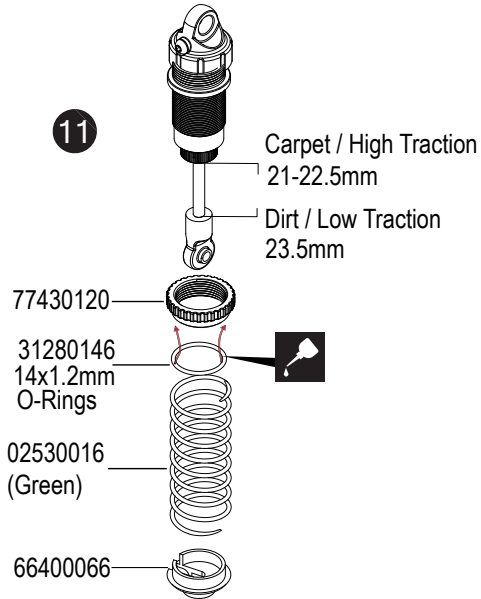




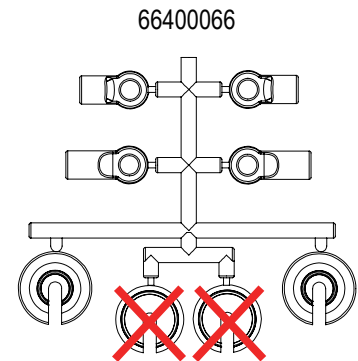
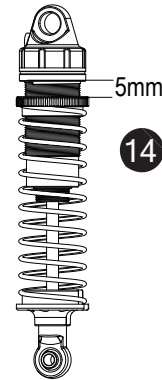
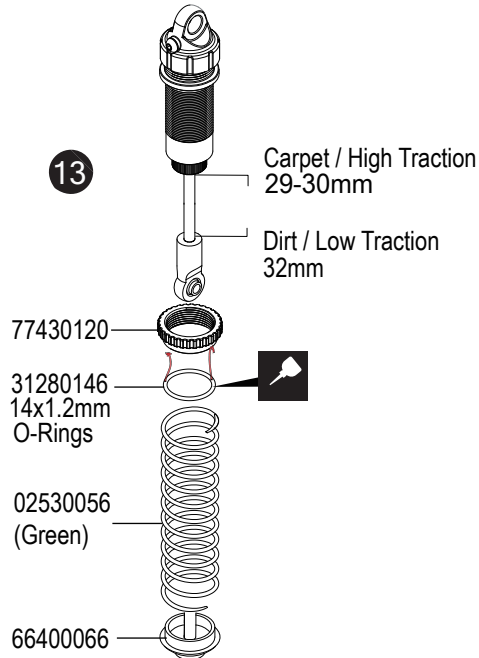
BAG
D

D1.3 Front & Rear Shock Assembly

Front Build x2 Initial setting



Rear Build x2 Initial setting



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)

71530026-Type R Rear Shock Spring Set

PART NO:	Color	kg mm	lbs/in
02500056	Transparent	0.030	1.80
02500066	Blue	0.035	2.10
02500136	White	0.037	2.22
02500076	Red	0.040	2.40
02500086	Yellow	0.045	2.70
02530056	Green	0.050	3.00
02530066	Black	0.055	3.30
02530076	Blue Red	0.060	3.60
02530086	White Yellow	0.065	3.90
02530126	Green Black	0.073-(RT)	4.50-(RT)

Option



Part Bags used.



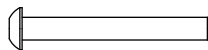
Apply oil.

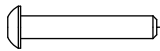


Assemble in the
specified order.



D2 Front Suspension

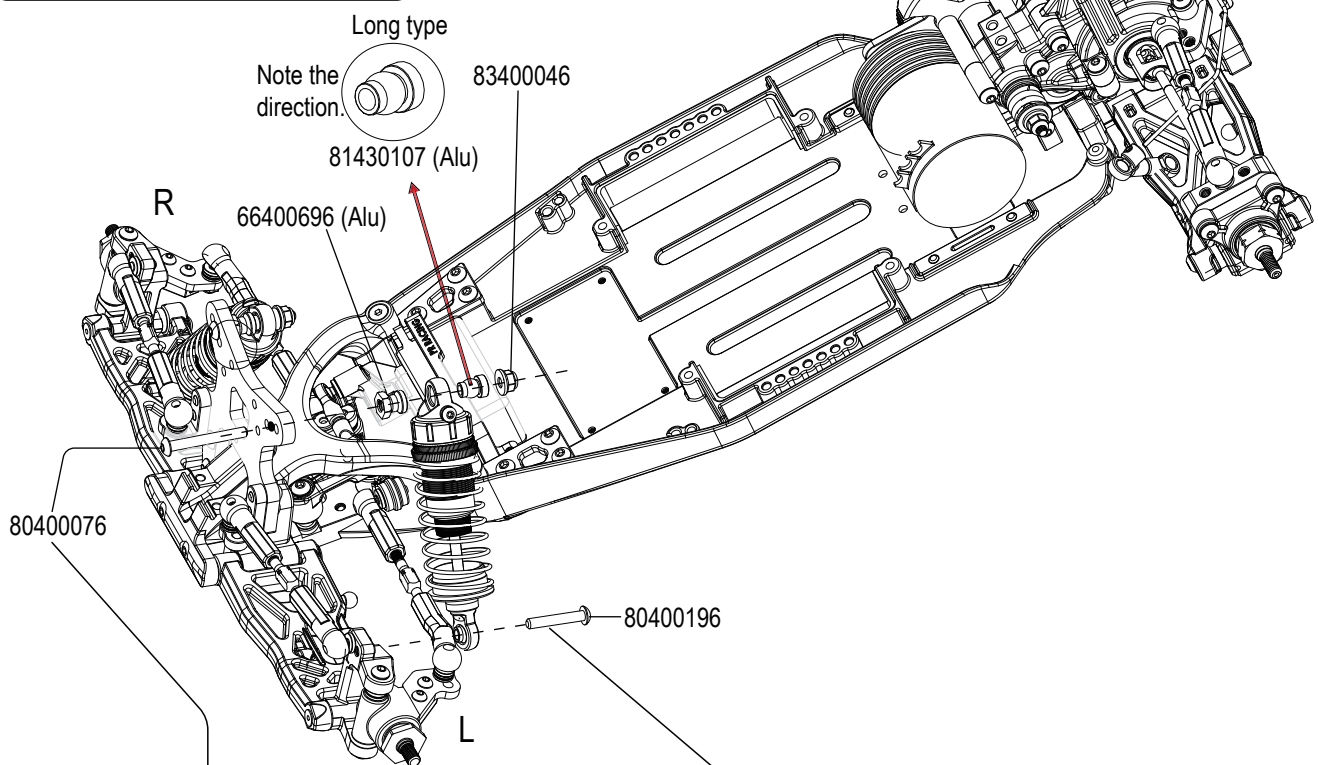
 2
80400076 M3x25mm

 2
80400196 M3 x18mm

 2
83400046 M3 Lock Nut

 2
81430107 Long type (Alu)

 2
66400696 (Alu)



Long type
Note the direction.


83400046

81430107 (Alu)

66400696 (Alu)

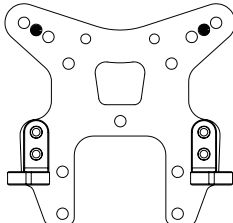
R

80400076

80400196

L

Middle hole



Initial setting

outer hole



L

Initial setting



L

Bumpy

Smooth

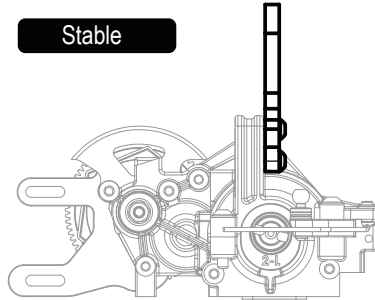
Surface





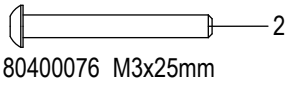
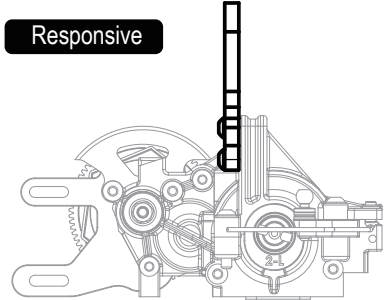
Rear Shock Tower (Optional Rear Mount)

Stable

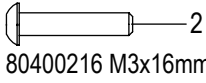


Rear Shock Tower (Optional Front Mount)

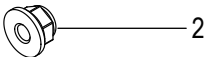
Responsive



80400076 M3x25mm



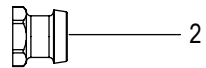
80400216 M3x16mm



83400046 M3 Lock Nut



81430108 Short type (Alu)



66400696 (Alu)



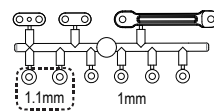
85440211 Shim3x8x1mm

Note the direction.



81430108 Short type

IN A5 Bag



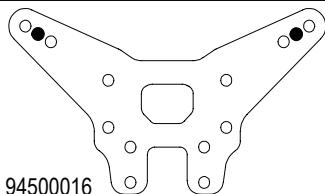
66430200

66400696 (Alu) 80400076

83400046

Initial setting

Middle hole

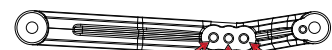


94500016

Initial setting
Middle hole

85440211

80400216



Bumpy Medium Smooth
Surface

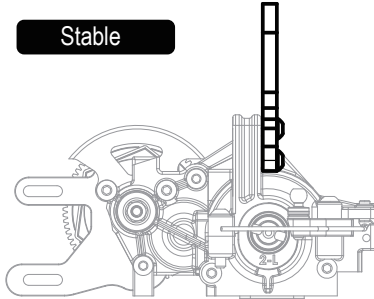


D3.1 Rear Suspension

Page 23

Rear Shock Tower (Optional Rear Mount)

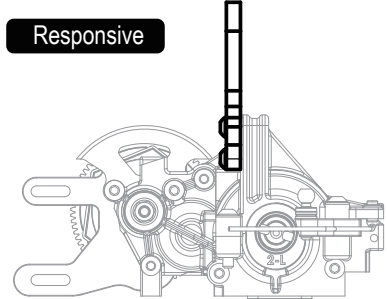
Stable



Page 24

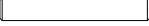
Rear Shock Tower (Optional Front Mount)

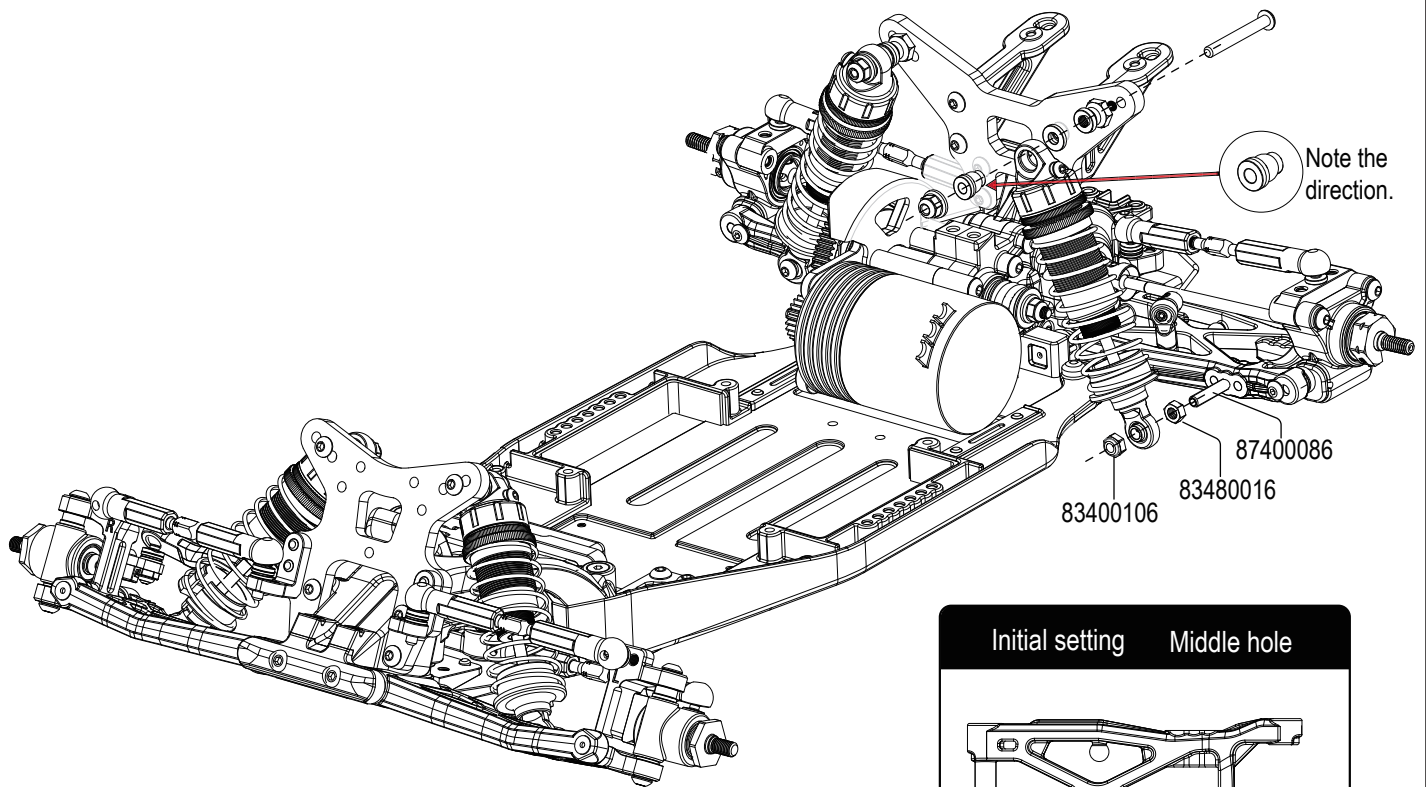
Responsive



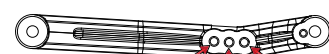
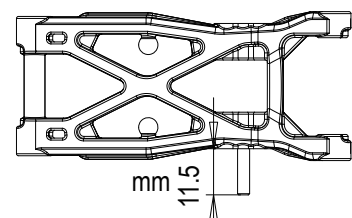
 2
83480016 5.5mmx3

 2
83400106 M3 Lock Nut

 2
87400086 3x20mm
Set Screw



Initial setting Middle hole

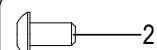


Bumpy Medium Smooth
Surface

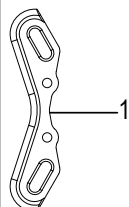




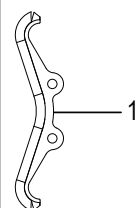
D4 Front Shock Tower Cover



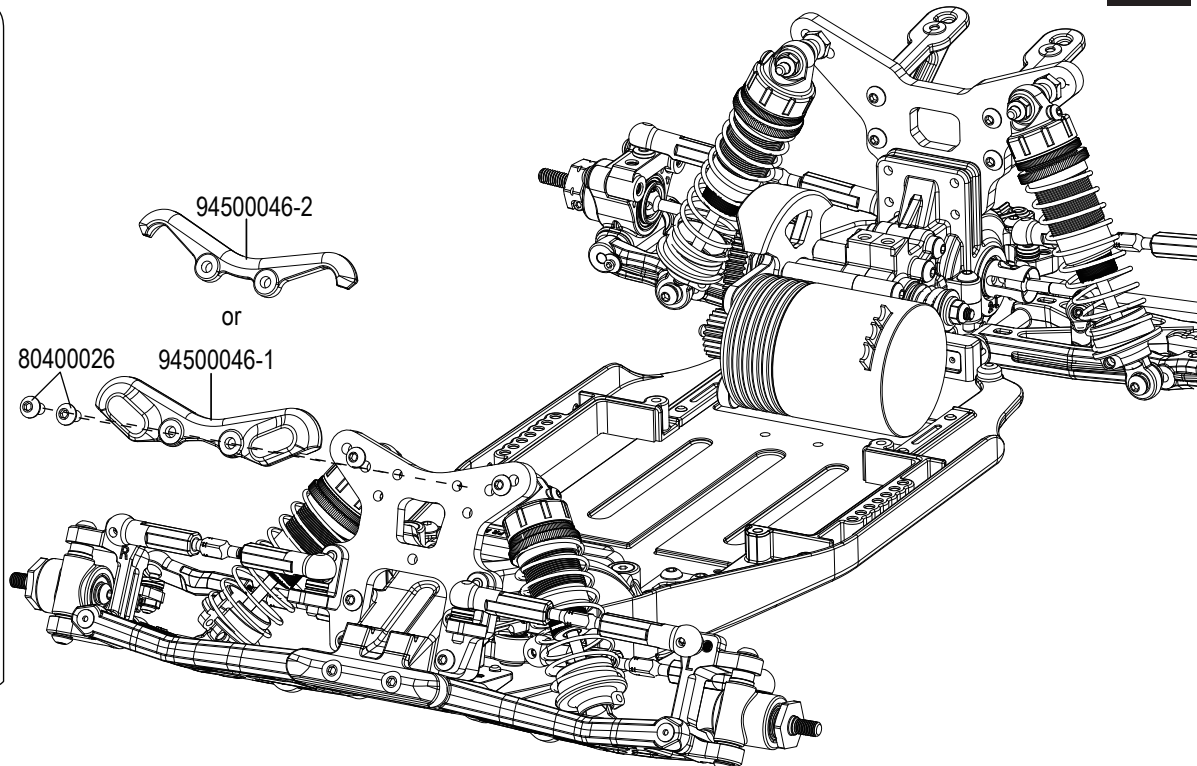
80400026
M3x6mm



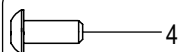
94500046-1



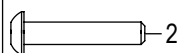
94500046-2



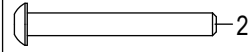
D5 Battery Plate



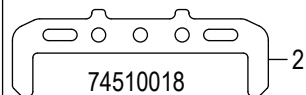
80400036
M3x8mm



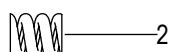
80400216
M3x16mm



80400076
M3x25mm



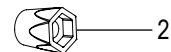
74510018



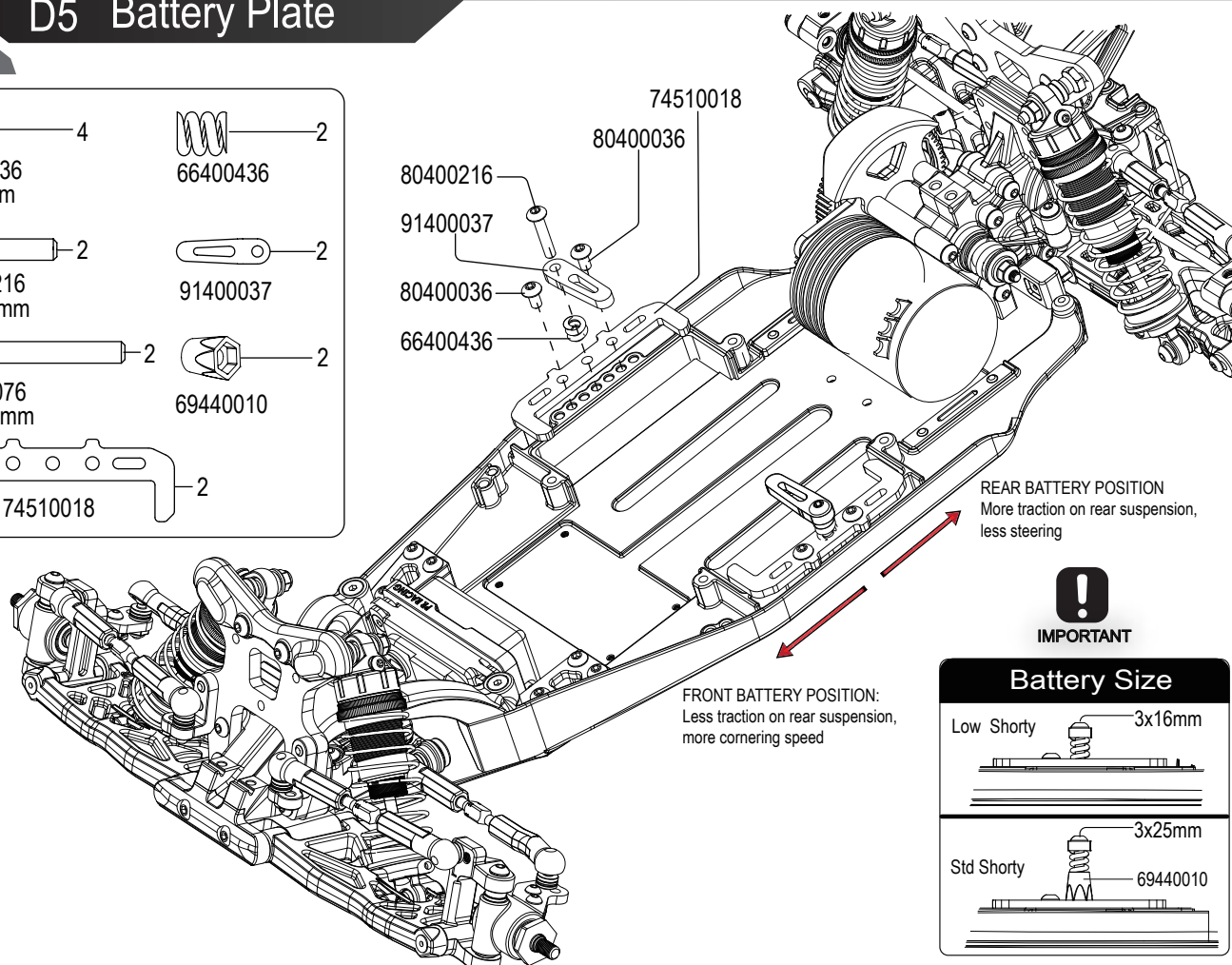
66400436



91400037



69440010



REAR BATTERY POSITION
More traction on rear suspension,
less steering

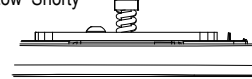


IMPORTANT

Battery Size

Low Shorty

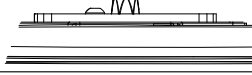
3x16mm



Std Shorty

3x25mm

69440010



Part Bags used.



Assemble in the
specified order.



D6 ESC Weight

BAG
D

82400066 M2.6x8mm

94500044-4

68410066
plastic shim

82400014 M2x3mm

74500036 ESC Weight
Carbon 3.5g

KIT Parts

ESC Weight
Carbon
74500036
3.5g

Option Parts

ESC Weight
Bronze
74500047
20.5g

Not included

82400014
x4

94500044-4

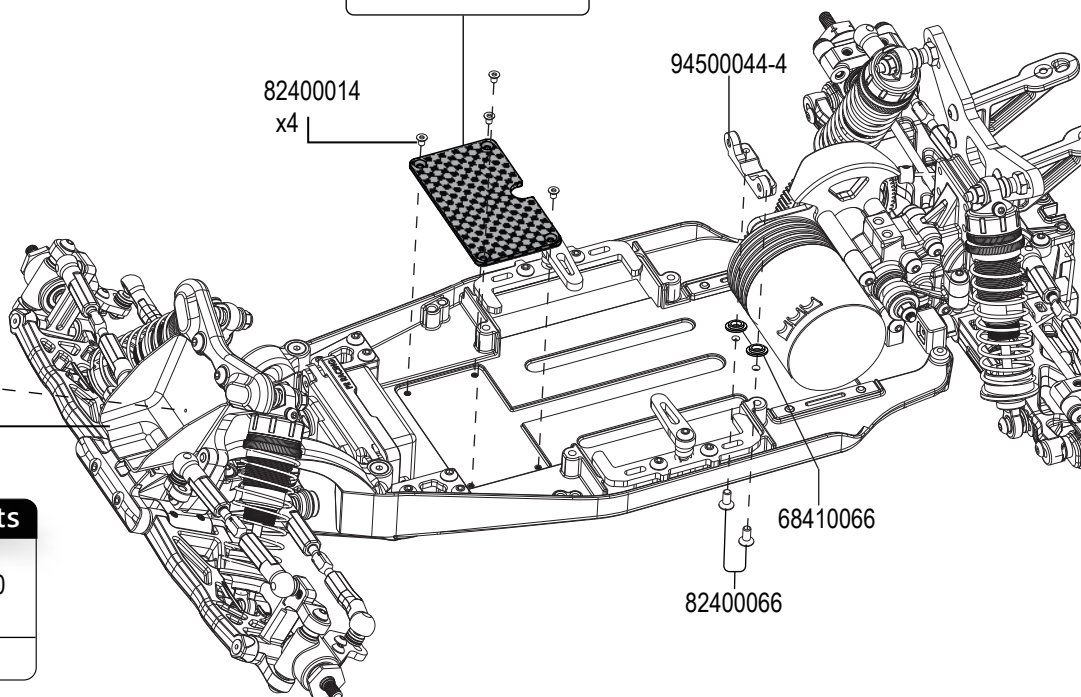
68410066

82400066

Option Parts

95000011
PR Racing B10
Front Wing

Not included

BAG
D

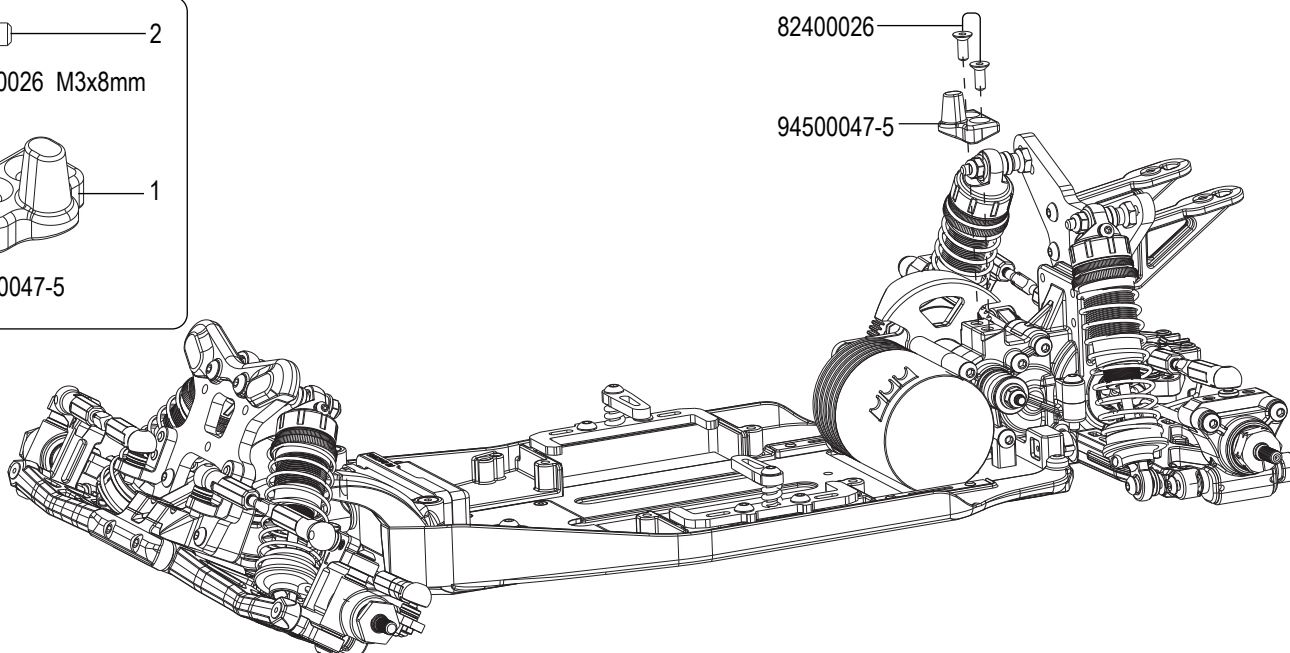
D7 Body Support Column

82400026 M3x8mm

94500047-5

82400026

94500047-5

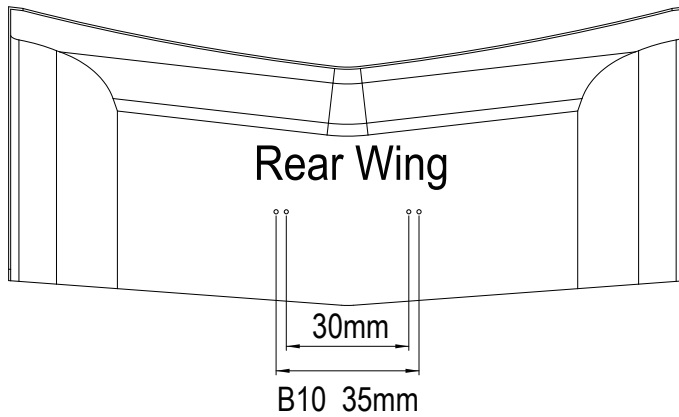




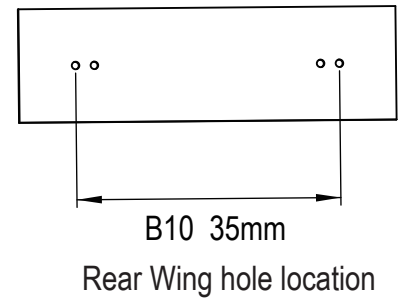
BAG
D

PRB10R

D8 Rear Wing



1:1



2
82400026 M3x8mm

2
82400106 M3x10mm

4
83400076 M4 Nut

2
68480036

2
99400056 Velcro Tape

1
98400016 Antenna Tube



66430242 PR B10R Sticker

2 82400026

68480036

Need
3x10mm
Screw

66400286
1.0mm

Please Cut **1**
Below The Line

4
99400056

4
99400056

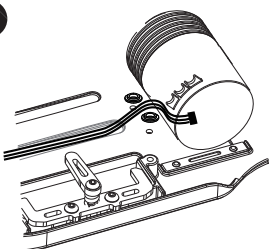
99400056

99400056

83400076

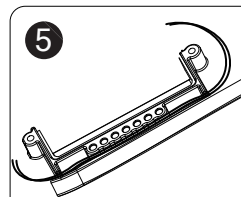
83400076

6



Sensor Wire

5

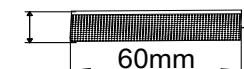


Fan power cord

3



12mm



99400056 Velcro Tape-A



Part Bags used.



Cut Below The Line



Assemble in the
specified order.



Assemble left and right
sides the same way.



True-to-scale diagram.

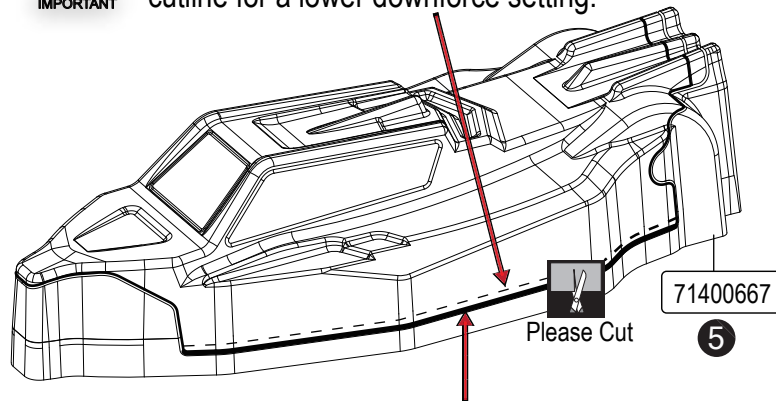
27



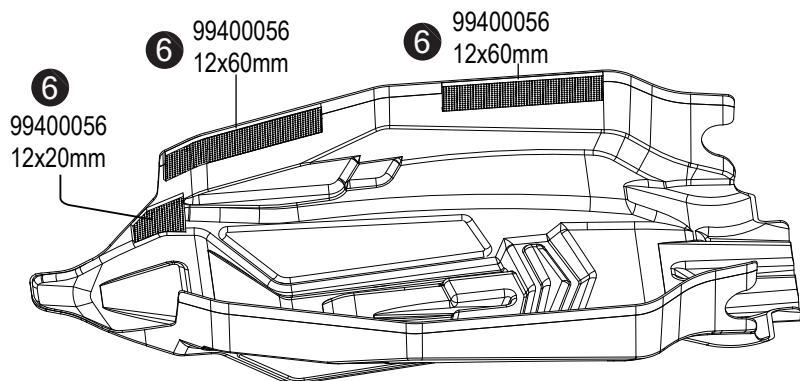
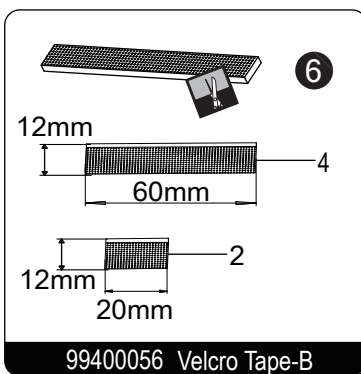
D8.1 Body



For high-grip tracks, cut 4-5mm above the provided cutline for a lower downforce setting.



Cut on the provided cutline for a higher downforce setting which is suitable for low-grip tracks



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.

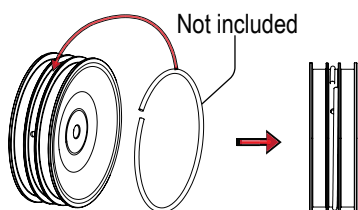


TEAM PR RACING THANK YOU

Tires

Option Parts

34430018
2WD Front Wheel Counterweight Ring



1. Add more weight to the front of the chassis to increase steering response.
2. Increase the rotational inertia of the front wheels for more precise in-air control during jumps.

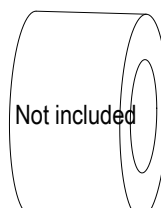
Option Parts

Mounting Tires

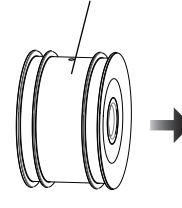


Place the tire insert into the tire and tire onto the wheel.
Tire and insert (Sold separately)
CA(Cyanoacrylate) glue sold separately.

Wheel Installation



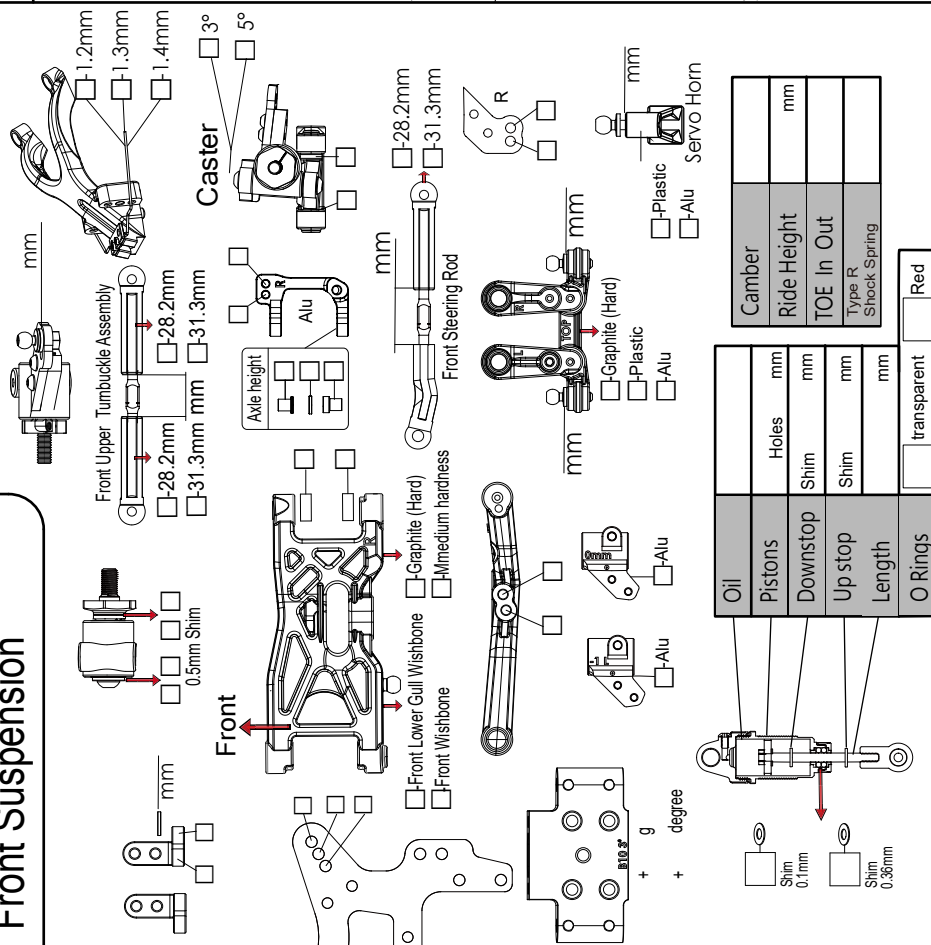
kit 68400316 Rear Wheel
kit 68400296 Front Wheel



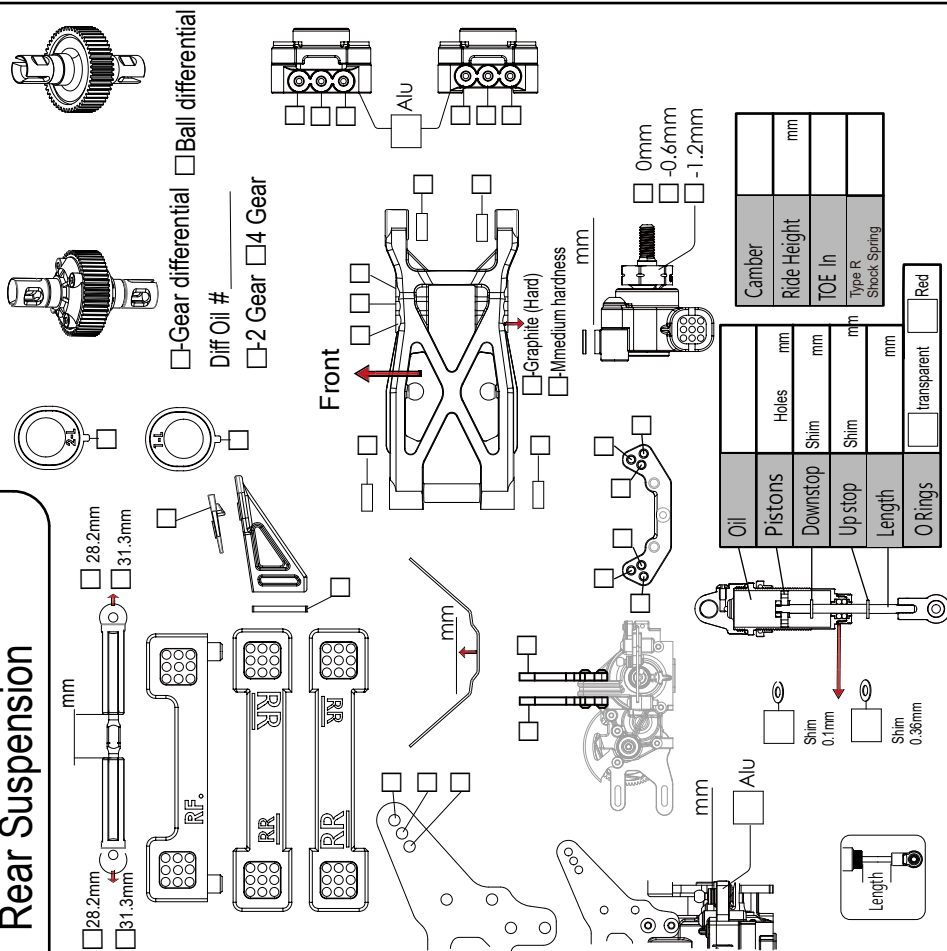
Pull the sidewall of the tire slightly away from the rim and apply CA(Cyanoacrylate) glue in between the tire bead and rim



Front Suspension



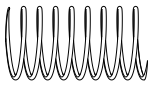
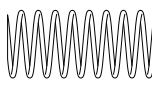
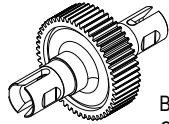
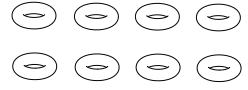
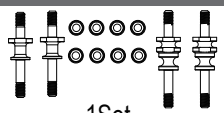
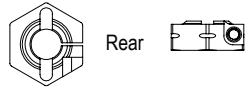
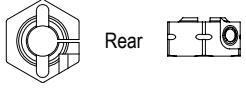
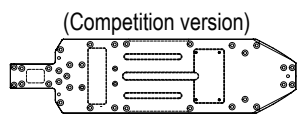
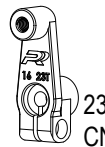
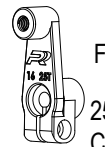
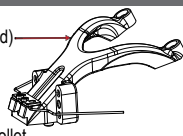
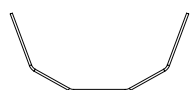
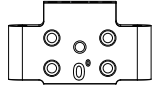
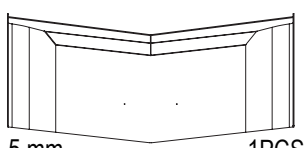
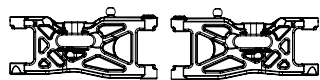
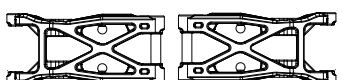
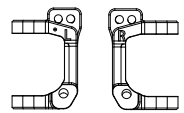
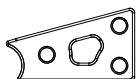
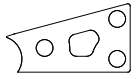
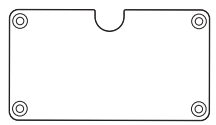
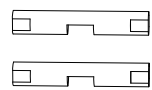
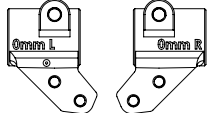
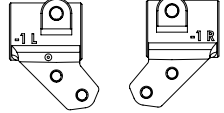
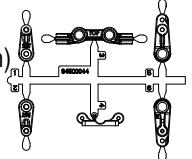
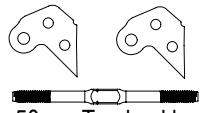
Rear Suspension



		TRACK										Body	
Front	Motor											☐ Not installed ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐ 9 ☐ 10 ☐ 11 ☐ 12 ☐ 13 ☐ 14 ☐ 15 ☐ 16 ☐ 17 ☐ 18 ☐ 19 ☐ 20 ☐ 21 ☐ 22 ☐ 23 ☐ 24 ☐ 25 ☐ 26 ☐ 27 ☐ 28 ☐ 29 ☐ 30 ☐ 31 ☐ 32 ☐ 33 ☐ 34 ☐ 35 ☐ 36 ☐ 37 ☐ 38 ☐ 39 ☐ 40 ☐ 41 ☐ 42 ☐ 43 ☐ 44 ☐ 45 ☐ 46 ☐ 47 ☐ 48 ☐ 49 ☐ 50 ☐ 51 ☐ 52 ☐ 53 ☐ 54 ☐ 55 ☐ 56 ☐ 57 ☐ 58 ☐ 59 ☐ 60 ☐ 61 ☐ 62 ☐ 63 ☐ 64 ☐ 65 ☐ 66 ☐ 67 ☐ 68 ☐ 69 ☐ 70 ☐ 71 ☐ 72 ☐ 73 ☐ 74 ☐ 75 ☐ 76 ☐ 77 ☐ 78 ☐ 79 ☐ 80 ☐ 81 ☐ 82 ☐ 83 ☐ 84 ☐ 85 ☐ 86 ☐ 87 ☐ 88 ☐ 89 ☐ 90 ☐ 91 ☐ 92 ☐ 93 ☐ 94 ☐ 95 ☐ 96 ☐ 97 ☐ 98 ☐ 99 ☐ 100 ☐ 101 ☐ 102 ☐ 103 ☐ 104 ☐ 105 ☐ 106 ☐ 107 ☐ 108 ☐ 109 ☐ 110 ☐ 111 ☐ 112 ☐ 113 ☐ 114 ☐ 115 ☐ 116 ☐ 117 ☐ 118 ☐ 119 ☐ 120 ☐ 121 ☐ 122 ☐ 123 ☐ 124 ☐ 125 ☐ 126 ☐ 127 ☐ 128 ☐ 129 ☐ 130 ☐ 131 ☐ 132 ☐ 133 ☐ 134 ☐ 135 ☐ 136 ☐ 137 ☐ 138 ☐ 139 ☐ 140 ☐ 141 ☐ 142 ☐ 143 ☐ 144 ☐ 145 ☐ 146 ☐ 147 ☐ 148 ☐ 149 ☐ 150 ☐ 151 ☐ 152 ☐ 153 ☐ 154 ☐ 155 ☐ 156 ☐ 157 ☐ 158 ☐ 159 ☐ 160 ☐ 161 ☐ 162 ☐ 163 ☐ 164 ☐ 165 ☐ 166 ☐ 167 ☐ 168 ☐ 169 ☐ 170 ☐ 171 ☐ 172 ☐ 173 ☐ 174 ☐ 175 ☐ 176 ☐ 177 ☐ 178 ☐ 179 ☐ 180 ☐ 181 ☐ 182 ☐ 183 ☐ 184 ☐ 185 ☐ 186 ☐ 187 ☐ 188 ☐ 189 ☐ 190 ☐ 191 ☐ 192 ☐ 193 ☐ 194 ☐ 195 ☐ 196 ☐ 197 ☐ 198 ☐ 199 ☐ 200 ☐ 201 ☐ 202 ☐ 203 ☐ 204 ☐ 205 ☐ 206 ☐ 207 ☐ 208 ☐ 209 ☐ 210 ☐ 211 ☐ 212 ☐ 213 ☐ 214 ☐ 215 ☐ 216 ☐ 217 ☐ 218 ☐ 219 ☐ 220 ☐ 221 ☐ 222 ☐ 223 ☐ 224 ☐ 225 ☐ 226 ☐ 227 ☐ 228 ☐ 229 ☐ 230 ☐ 231 ☐ 232 ☐ 233 ☐ 234 ☐ 235 ☐ 236 ☐ 237 ☐ 238 ☐ 239 ☐ 240 ☐ 241 ☐ 242 ☐ 243 ☐ 244 ☐ 245 ☐ 246 ☐ 247 ☐ 248 ☐ 249 ☐ 250 ☐ 251 ☐ 252 ☐ 253 ☐ 254 ☐ 255 ☐ 256 ☐ 257 ☐ 258 ☐ 259 ☐ 260 ☐ 261 ☐ 262 ☐ 263 ☐ 264 ☐ 265 ☐ 266 ☐ 267 ☐ 268 ☐ 269 ☐ 270 ☐ 271 ☐ 272 ☐ 273 ☐ 274 ☐ 275 ☐ 276 ☐ 277 ☐ 278 ☐ 279 ☐ 280 ☐ 281 ☐ 282 ☐ 283 ☐ 284 ☐ 285 ☐ 286 ☐ 287 ☐ 288 ☐ 289 ☐ 290 ☐ 291 ☐ 292 ☐ 293 ☐ 294 ☐ 295 ☐ 296 ☐ 297 ☐ 298 ☐ 299 ☐ 300 ☐ 301 ☐ 302 ☐ 303 ☐ 304 ☐ 305 ☐ 306 ☐ 307 ☐ 308 ☐ 309 ☐ 310 ☐ 311 ☐ 312 ☐ 313 ☐ 314 ☐ 315 ☐ 316 ☐ 317 ☐ 318 ☐ 319 ☐ 320 ☐ 321 ☐ 322 ☐ 323 ☐ 324 ☐ 325 ☐ 326 ☐ 327 ☐ 328 ☐ 329 ☐ 330 ☐ 331 ☐ 332 ☐ 333 ☐ 334 ☐ 335 ☐ 336 ☐ 337 ☐ 338 ☐ 339 ☐ 340 ☐ 341 	

Option Parts

PRB10R

71530016  10 pr Type R Front Shock Spring Set	71530026  10 pr Type R Front Shock Spring Set	66402688  B10R Ball Diff Outdrive Set	31430016 PR P3 Shock O-Rings(Red)  8PCS Hard
81430106  1Set Front Rear Steel Shock Stand off Set	68440093  Rear PR RACING 12mm (-1.2mm) 2PCS Clamping Wheel Hex	68440094  Rear PR RACING 12mm (-0.6mm) 2PCS Clamping Wheel Hex	68440096  Rear PR RACING 12mm (+1mm) 2PCS Clamping Wheel Hex
55430076  POM Shock Hat Bushing CNC (8)	71400797  (Competition version) 1PCS 2.5mm Alu	68430091  For:PRB10R 23T CNC-(aluminum) 1PCS	68430092  For:PRB10R 25T CNC-(aluminum) 1PCS
66481557  (not included) Front Anti-Roll Bar Drop Link & Collet 0.8/1.0/1.1/1.2/1.3/1.4mm	66481558  Team PR Racing S1 V4 Rear Sway Bar set (0.8+0.9+1.0+1.2+1.3+1.4mm) (6)	66480454  1PCS 0 Degree Alu Lower Swing Arm Mount	23440360  1PCS M5.5mm (Alu)
66402697  1.5 mm 1PCS	95000011  PR Racing B10 Front Wing 1PCS	69400157  Front Graphite (1pr) very hard	69400186  Rear Graphite (1pr) very hard
91400041  5 Degree Alu Caster Block (1pr)	74500048  2PCS Bronze 2.5mm 5.7g	74500034  2PCS Carbon 2.5mm 1.0g	55500010  1PCS CNC Alu
74500047  1PCS ESC Weight Bronze 20.5g	66480356  2PCS Gear Diff Cross Pins Alu	66402220  1pr Steering Block Alu 0mm	66402230  1pr Steering Block Alu -1mm
94500048  (Carbon) (Hard) (1pr)	66481388  50mm Turnbuckles For:Tight Track/Carpet use	17430086  4PCS id12.8mm PR Racing Competition Shock Piston	17430146  4PCS id 12.8mm x 1.6mm x 2 Hole
17430136  4PCS id 12.8mm x 1.7mm x 2 Hole	17430116  4PCS id 12.8mm x 2.0mm x 2 Hole	17430046  4PCS id 12.8mm x 1.5mm x 3 Hole	17430066  4PCS id 12.8mm x 1.6mm x 3 Hole



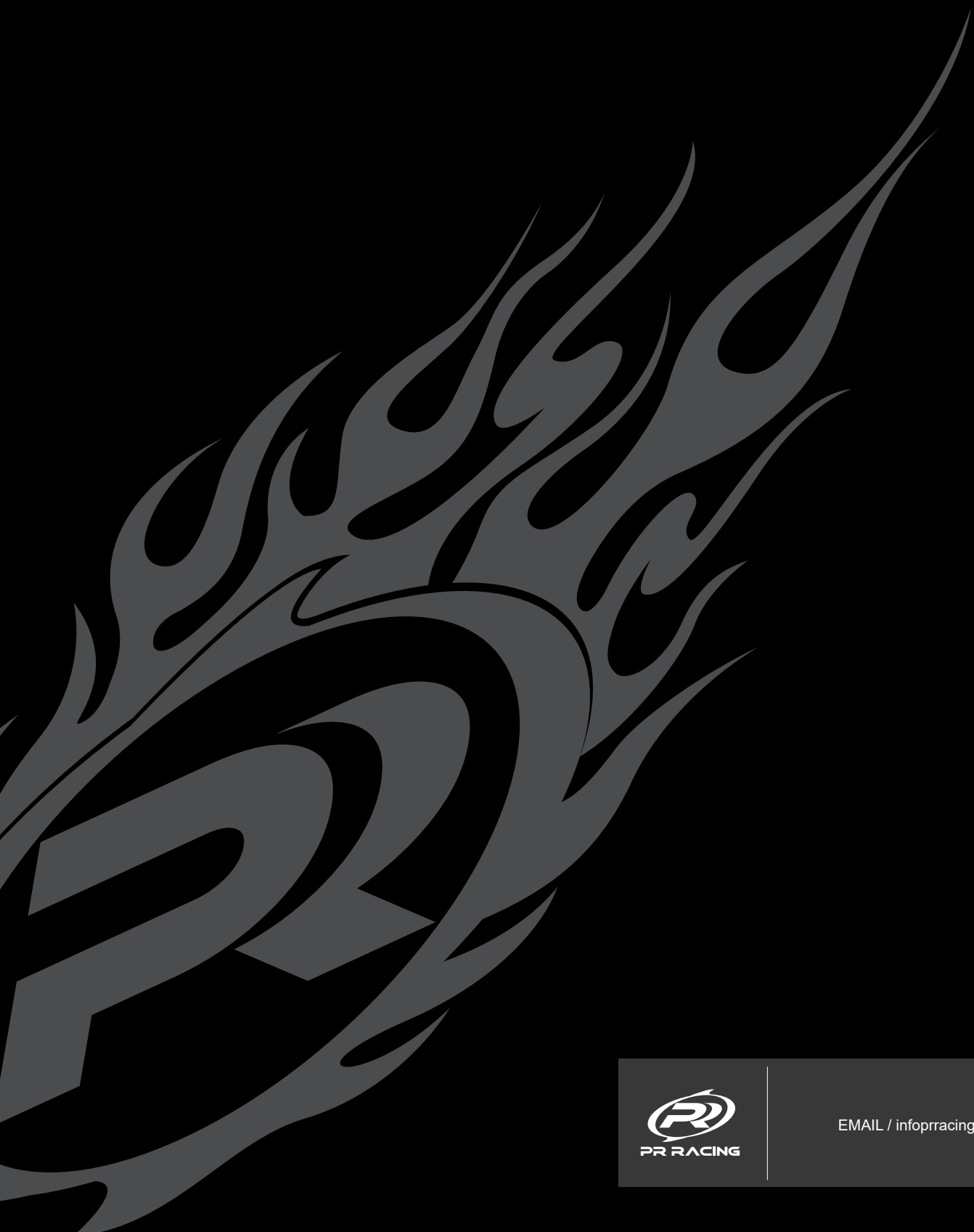
PR B10R (Gear Diff) Gear Ratio Chart-Internal Gear Ratio 2.62:1

(Gear Diff) Final Drive Ratio		Spur 				
		73	75	77	81	83
Pinion 	18					
	19					
	20			10.09		
	21			9.61		
	22		8.93	9.17		
	23		8.54	8.77		
	24	7.97	8.19	8.41		
	25	7.65	7.86	8.07		
	26	7.36	7.56	7.76		
	27	7.08	7.28	7.47		
	28	6.83	7.02			
	29	6.60	6.78			
	30	6.38				
	31	6.17				
	32					
	33					

66480576	73T Spur Gear (For S1)x1pcs
66480586	75T Spur Gear (For S1)x1pcs
66480596	77T Spur Gear (For S1)x1pcs

66480986	PR Racing 48P Pinion (3.17mm ID) (18T)x1pcs	66481576	PR Racing 48P Pinion (3.17mm ID) (26T)x1pcs
66480996	PR Racing 48P Pinion (3.17mm ID) (19T)x1pcs	66481586	PR Racing 48P Pinion (3.17mm ID) (27T)x1pcs
66481006	PR Racing 48P Pinion (3.17mm ID) (20T)x1pcs	66481596	PR Racing 48P Pinion (3.17mm ID) (28T)x1pcs
66400556	PR Racing 48P Pinion (3.17mm ID) (21T)x1pcs	66481606	PR Racing 48P Pinion (3.17mm ID) (29T)x1pcs
66480096	PR Racing 48P Pinion (3.17mm ID) (22T)x1pcs	66481616	PR Racing 48P Pinion (3.17mm ID) (30T)x1pcs
66480106	PR Racing 48P Pinion (3.17mm ID) (23T)x1pcs	66481626	PR Racing 48P Pinion (3.17mm ID) (31T)x1pcs
66480116	PR Racing 48P Pinion (3.17mm ID) (24T)x1pcs	66481636	PR Racing 48P Pinion (3.17mm ID) (32T)x1pcs
66481566	PR Racing 48P Pinion (3.17mm ID) (25T)x1pcs	66481646	PR Racing 48P Pinion (3.17mm ID) (33T)x1pcs

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



EMAIL / infopracing@gmail.com.tw

2025 1.00 Version