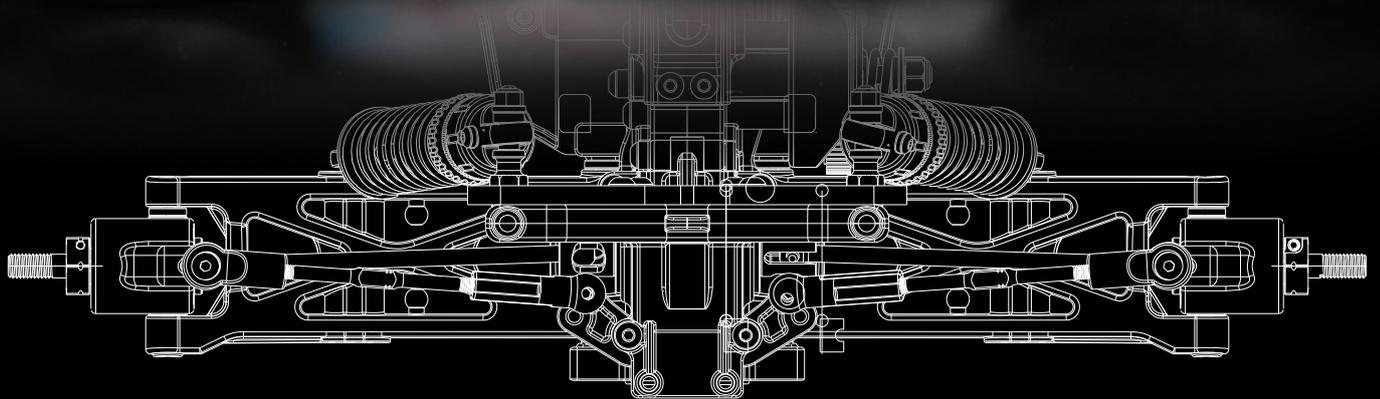


V4TR



www.pr-rc.com

NO:67510037

NAME:2024 1/10 ELECTRIC 2WD Stadium Truck Kit



2WD ELECTRIC 1/10 KIT

#67510037

2024 S1V4TR 10 th ELECTRIC 2WD Stadium Truck Kit

Updated Features:

- 1-Quick access diff,
- 2-Low CG chassis,etc.
- 3-7 degrees kick-up Front Alu Lower Swing Arm Mount,
- 4- New Front Rear Carbon Shock Tower
- 5- Carbon Quick Release (Battery Brace)
- 6-Ti- Nitride Shock Shaft(12.8mm big bore threaded alu shocks)
- 7-Hard Steel Turnbuckle

Specifications:

- Scale: 1/10
- Type: Stadium Truck
- Drivetrain: 2WD
- Surface: Off-Road
- Power Plant: Electric
- Completion level: Unassembled
- Length: 390mm
- Width: 330mm
- Height: 155mm
- Wheelbase: 278mm-282mm

Includes:

2024 S1V4TR 10 th ELECTRIC 2WD Stadium Truck KitTeam Kit

Needed to Complete:

- Steering servo
- 2-channel transmitter & receiver
- 1:10 scale 540-size electric motor & ESC
- 2S LiPo battery
- Polycarbonate Stadium Truck body
- Paint for polycarbonate body
- Tires
- Assembly Tools & Tires CA glue
- Metric 5.5mm, 7.0mm, 8.0mm Nut Driver

Manual connection



- **Before Installation** 01
- **Tools Required** 02
- **BAG A** 03-06
 - Chassis Guard Installation
 - Steering Bellcranks
 - Steering Servo
- **BAG B** 06-11
 - Front Wishbone
 - Front Spindle (L&R) Side
 - Front Shock Tower
 - Front Upper Turnbuckle Assembly
 - Turnbuckle Assembly-Steering Rod
 - Rear Hud & CVA
 - Rear Hud (L&R)
 - Rear Suspension
- **BAG C** 12-18
 - Gear Differential
 - Transmission Assembly
 - Rear Shock Tower
 - Rear Gear Box
 - Waterfall Soft
 - Rear Upper Rod Turnbuckle Assembly
- **BAG D** 19-24
 - Front & Rear Shock Assembly
 - Front Shoch
 - Rear Shoch
 - Motor
 - Battery Plate
 - Body & Wheels
 - Tires
- **SETUP SHEET** 25
- **SPARE PARTS & OPTIONAL PRTS** 26

BEFORE INSTALLATION

- 1 Read through the instruction manual before installation in order to have an overview of what to do.
- 2 Check if there is any missing bags or defective parts, if there is, please contact our local dealer or our PR Distributor.
- 3 Symbols used throughout the instruction manual, comprises of:



Part bags used.



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



Tighten securely.



Note the direction.



True-to-scale diagram.



Do not over tighten.



Must be purchased separately.



Apply threadlocker (screw cement)



Ensure smooth non-binding movement while assembling.



Assemble in the specified order.



Apply grease.



Cut off shaded portion.



Assemble left and right sides the same way.



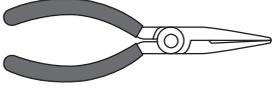
Apply oil.

- 4 This kit contains screws and hardware in different metric sizes and shapes. Before using them, check the screws on the true-to-scale diagrams on the left side in each assembly step. Some screw are extras.

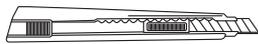
TOOLS REQUIRED

CAUTION: Handle tools carefully!

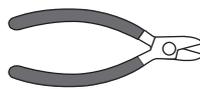
- Needle Nose Pliers



- Sharp Hobby Knife



- Wire Cutters



- Hex Wrench



1.5mm



2.0mm

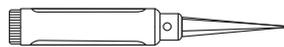
- Screw Cement



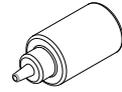
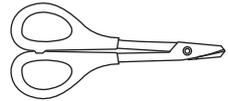
- Grease



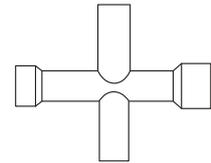
- SP Knife Edge Reamer



- Round Cutter & Sander



- Silicon Diff Oil



Cross Wrench

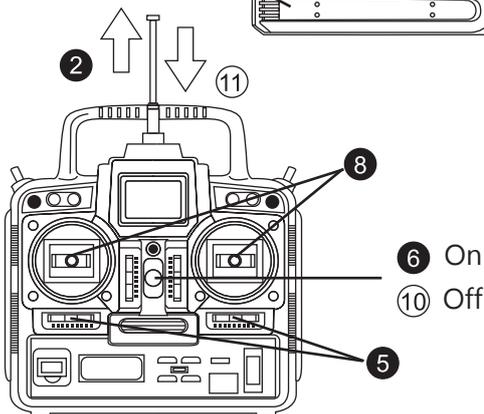
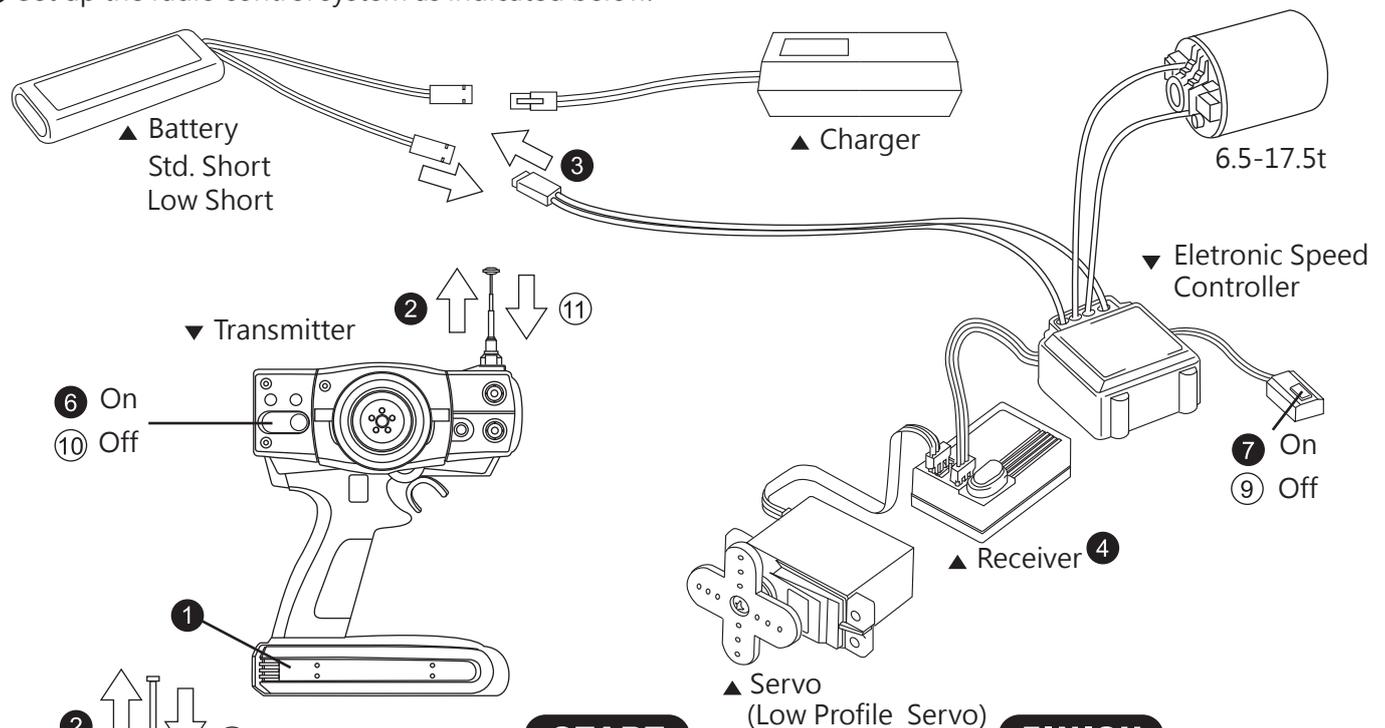
- 5.0mm-5.5mm
- 7.0mm-8.0mm

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.



START

- 1 Install batteries.(Transmitter)
- 2 Extend the antenna.(Transmitter)
- 3 Connect the battery to the ESC.
- 4 Extend the antenna.(Receiver)
- 5 Center the trims.
- 6 Switch on both the transmitter and receiver.
- 7 Make sure the servos are in command.

FINISH

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

A1 Chassis Guard Installation



BAG
A

8
82400016
M3x6mm

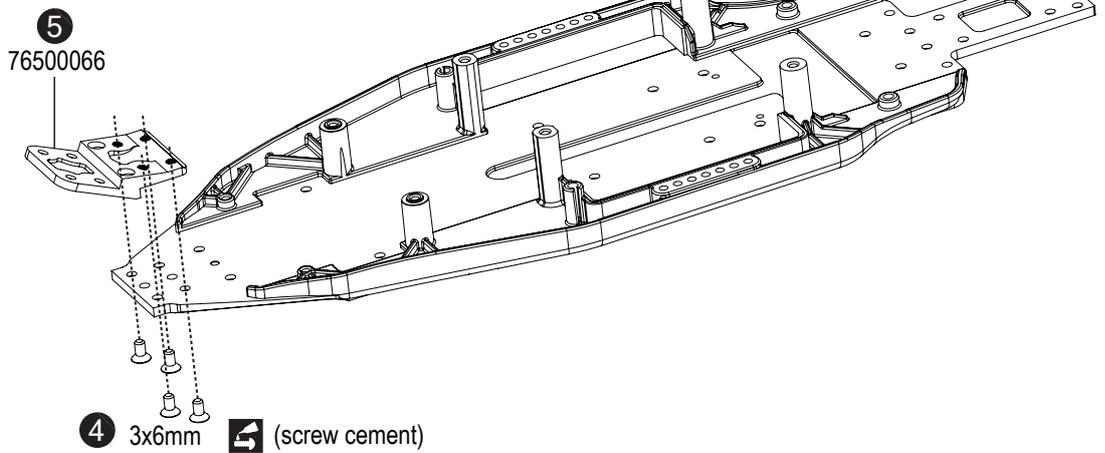
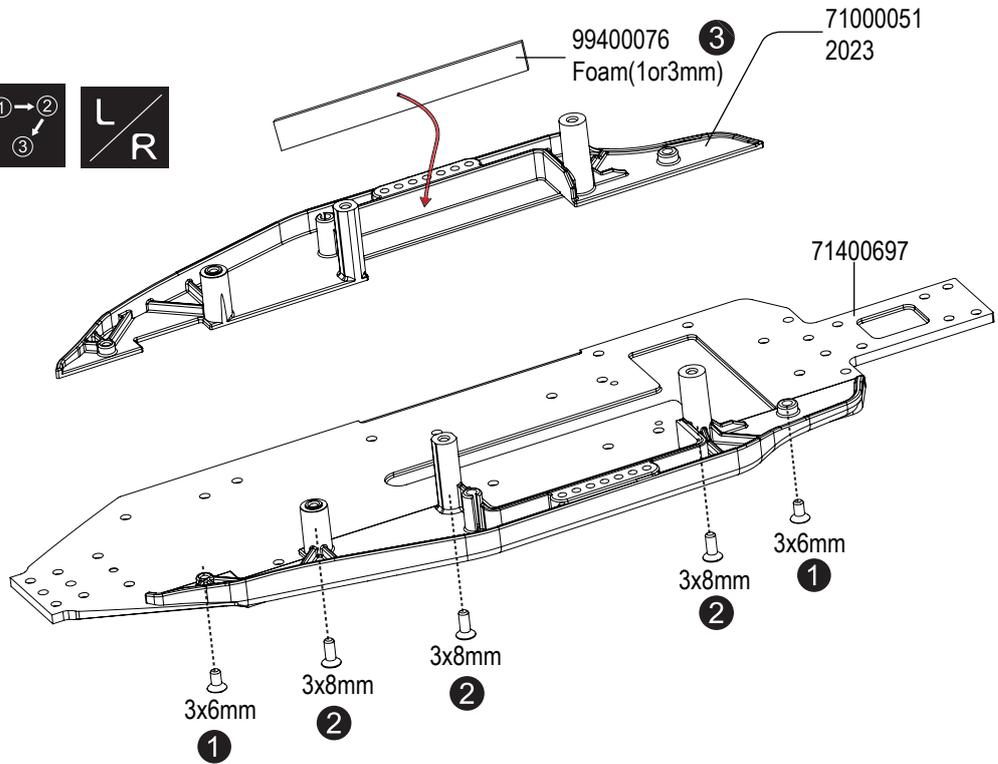
6
82400026
M3x8mm

1
76500066

1
71400697

1
71000051
2023

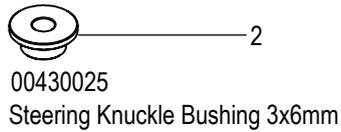
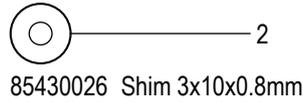
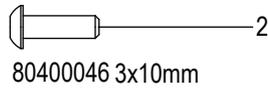
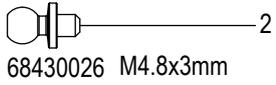
2
99400076
Foam(1or3mm)



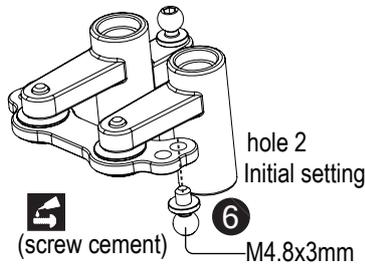
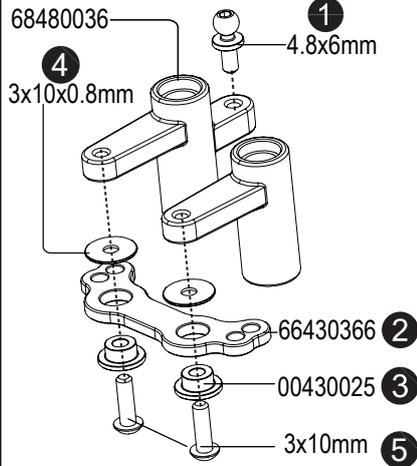


BAG
A

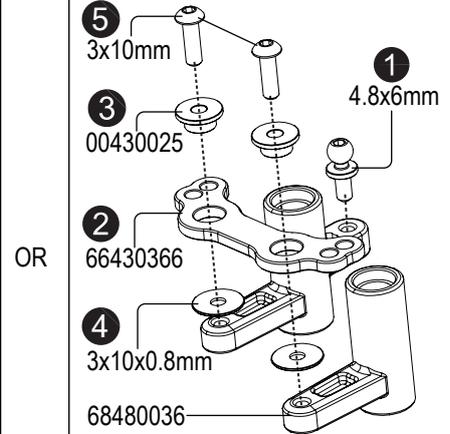
A2 Steering Bellcranks



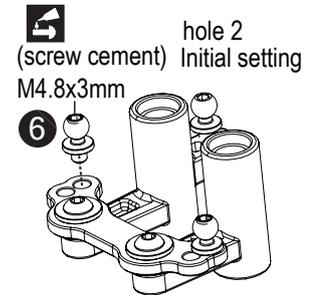
Stable



Responsive

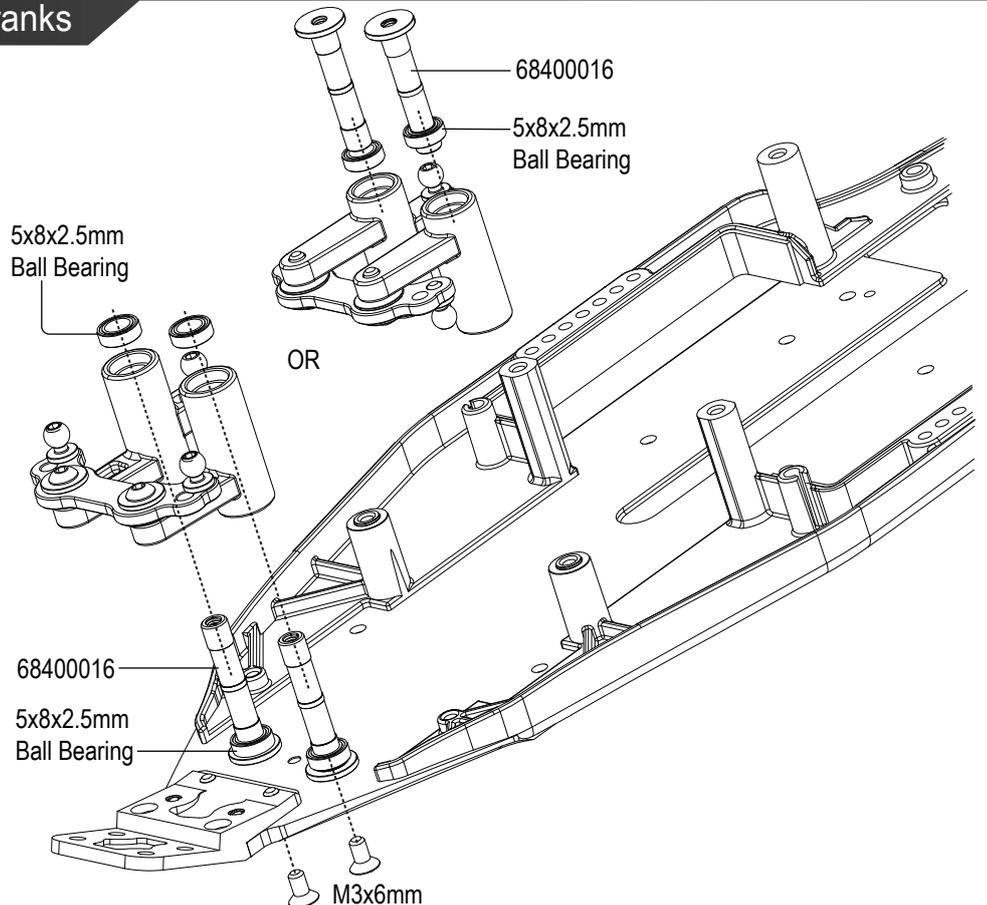
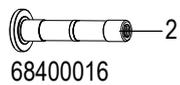
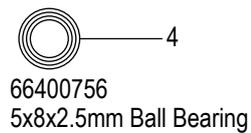


OR



BAG
A

A3 Steering Bellcranks



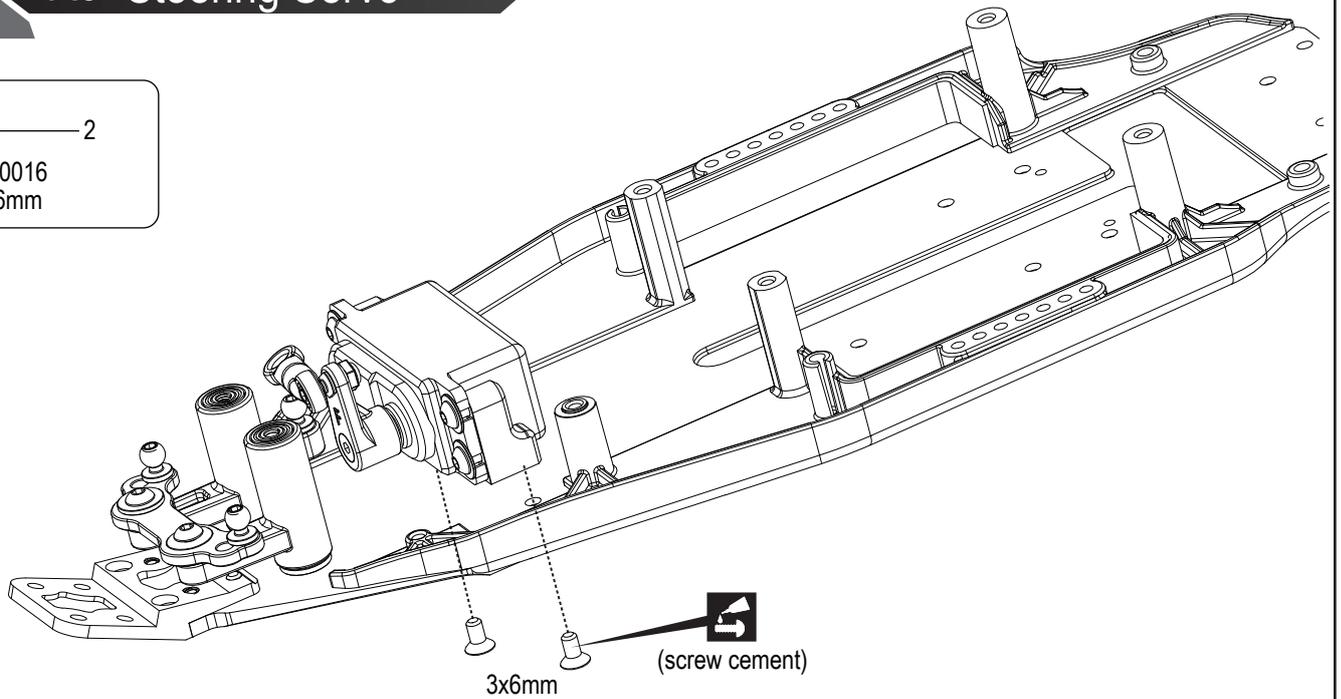


BAG
A

A6 Steering Servo



82400016
M3x6mm



請先完成頁面A6(伺服機)在底盤上的安裝。
再前往B1頁面進行安裝。

We strongly recommend installing the steering servo now
as shown in Step A6 before proceeding with Step B1.

BAG
B

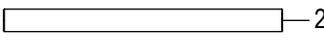
B1 Front Wishbone



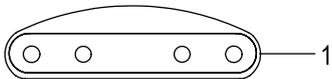
80400016 m2.5x4mm



80400036 M3x8mm



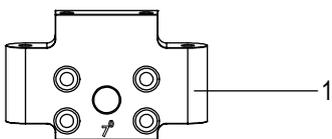
79400036 3x36.8mm Pin



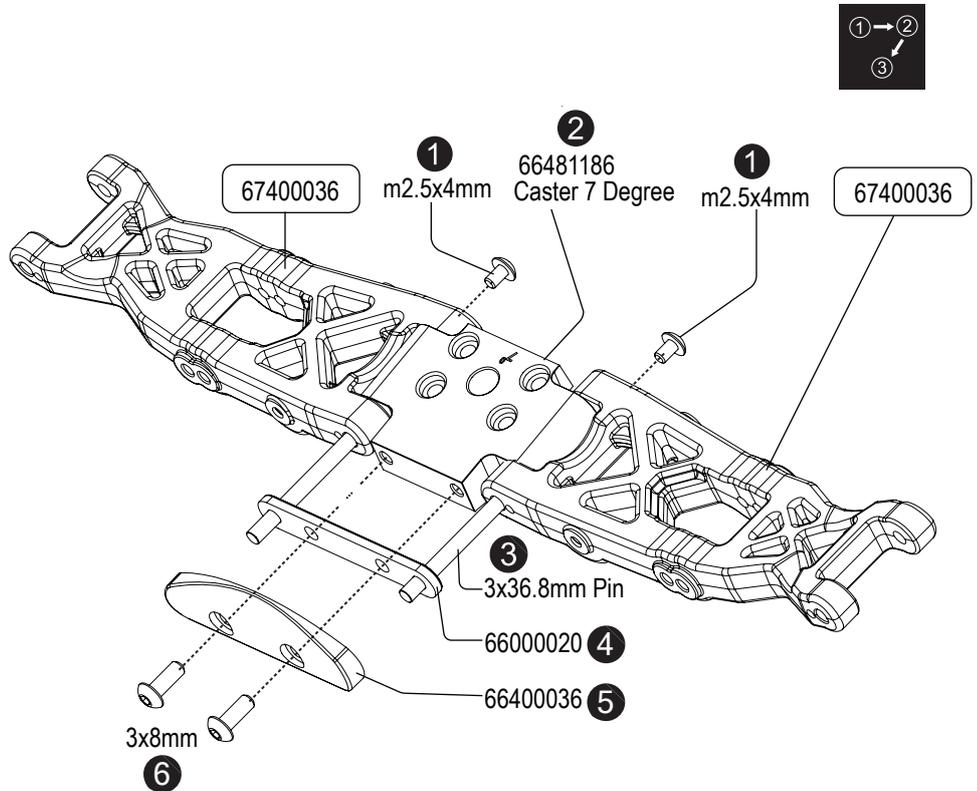
66400036



66000020



66481186
Alu Lower Swing Arm Mount
Caster 7 Degree





B2 Front Spindle (L&R) Side

80400186
M2.5x6mm

79400086 pin 2x10.8mm

85440010 Shim 5x8x0.2mm

87400066 M2x5mm Cap Screw

68430086 M4.8mmx6mm-0.8mm

68430046 M4.8mmx8mm

68430076 M4.8x10mm

83400106-M3 Lock Nut

66401686
Steering Screw Stepped

89430010
5x10x4mm Ball Bearing

68440090 12x4.2mm

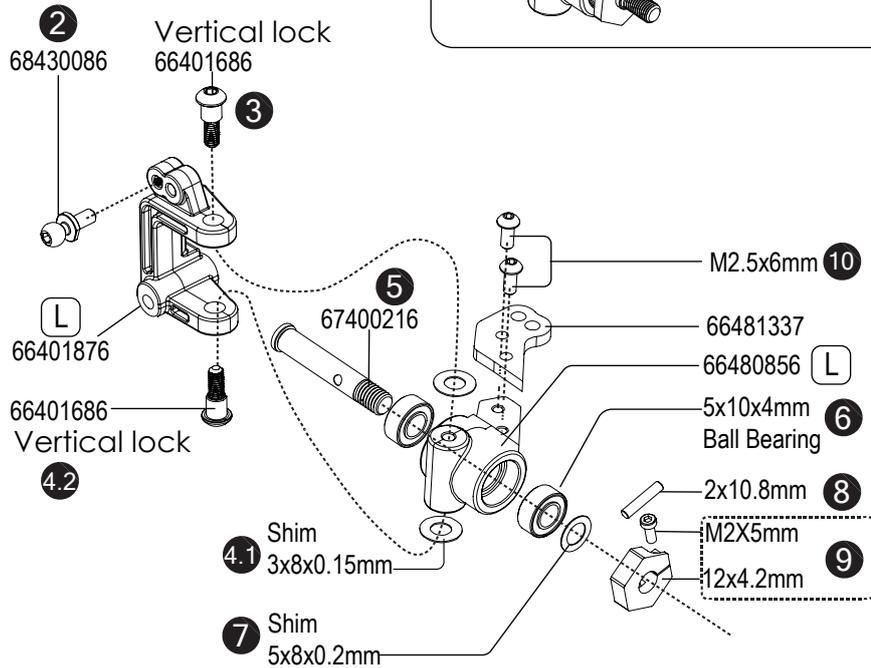
85440320 Shim 3x8x0.15mm

66481337

67400216

66480856

66401876



1

IMPORTANT

For the threading of plastic parts... "Pre-thread holes before installing steering hub."

Stable

11

M4.8x8mm

85440310-Alu Shim 3x6.5x1mm

M3 Lock Nut

Responsive

11

M4.8x10mm

68410066 4mm Plastic

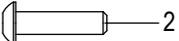
M3 Lock Nut

B3 Front Suspension(L&R)

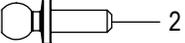
BAG B



80400016
M2.5x4mm(5.5mm)



80400206 M3x12mm



68430046 M4.8x8mm



83400026 M3 Nut



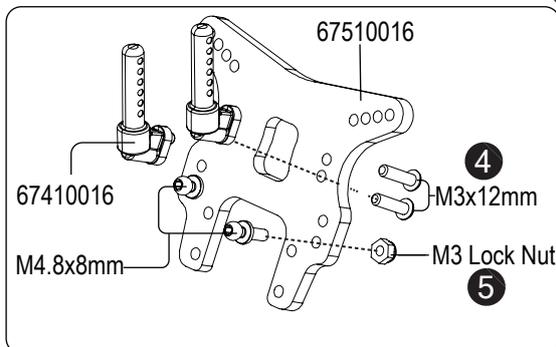
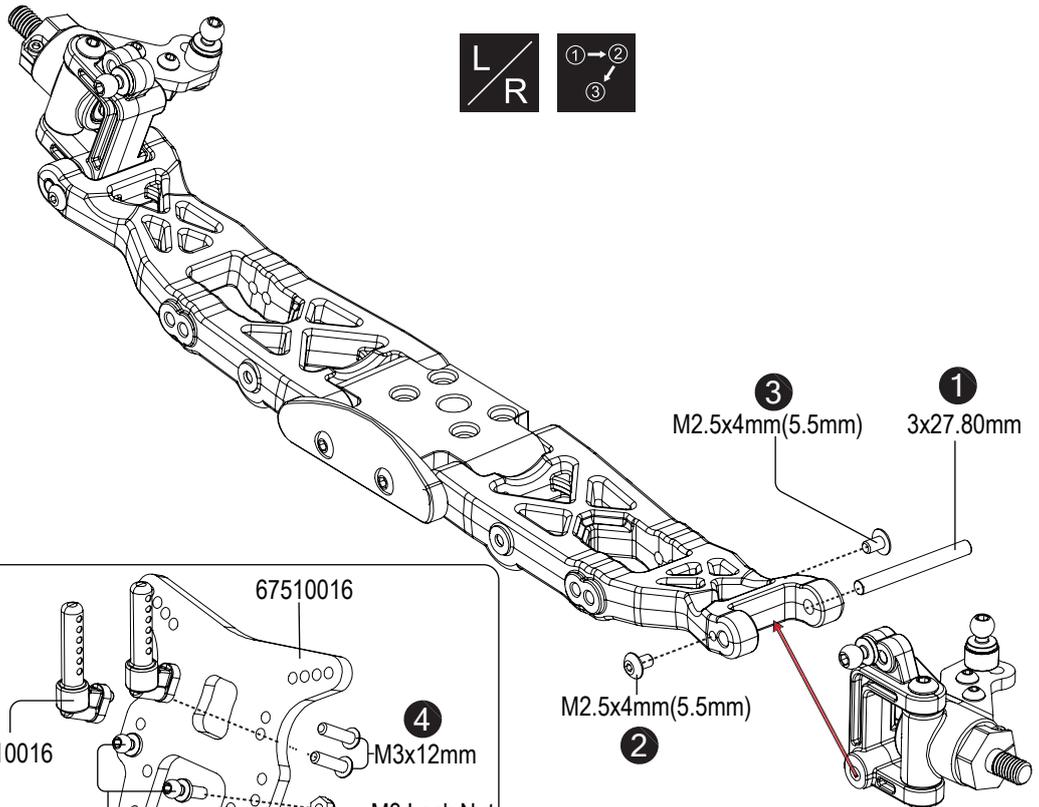
79480026
pin 3x27.80mm



67410016



67510016 Carbon 4mm



B4 Front Shock Tower

BAG B



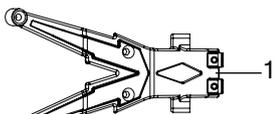
82400046
M3x14mm



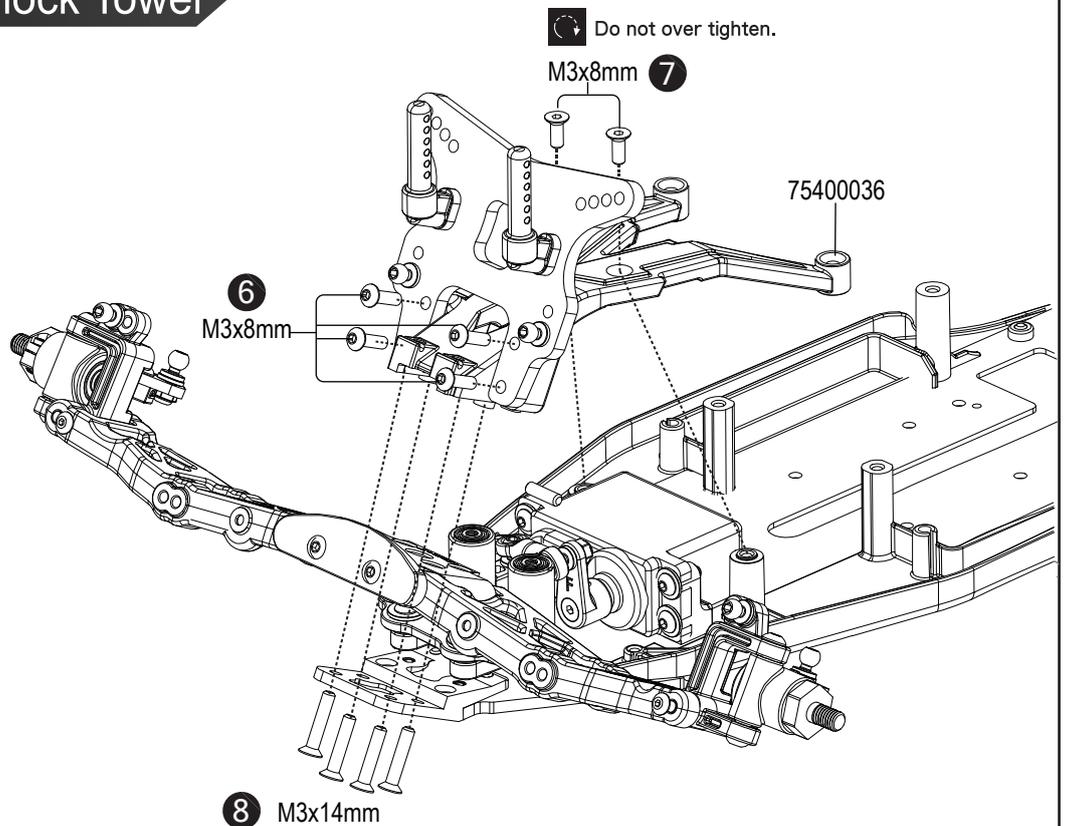
82400026
M3x8mm



80400036
M3x8mm



75400036
Front Chassis Top Plate

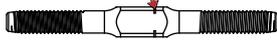




BAG
B

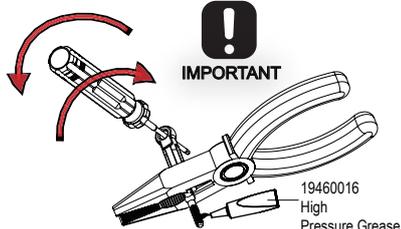
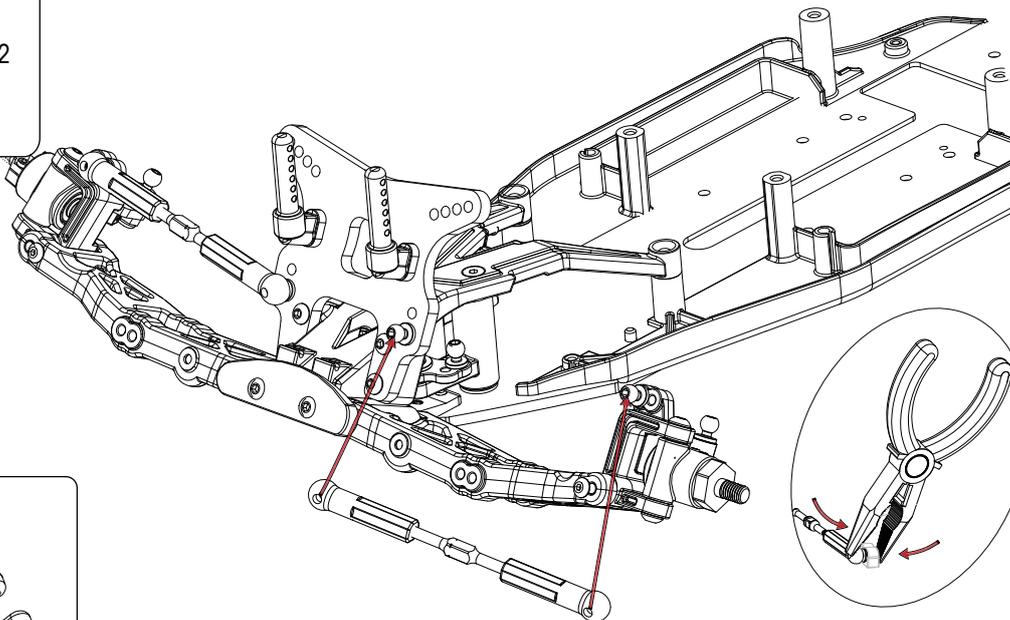
B5 Front Upper Turnbuckle Assembly

One side is reverse threaded.

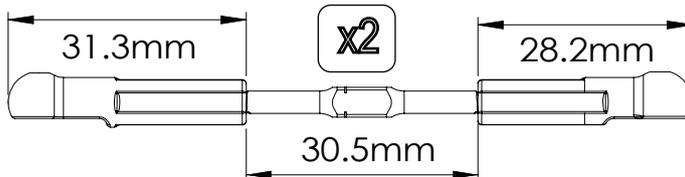
 2
77430056 50mm Turnbuckle

 2
66400066
28.2mm Rod End

 2
66400066
31.3mm Rod End



Thread and unthread the turnbuckle into the plastic rod end a few times to allow easier adjustment after assembly.



BAG
B

B6 Turnbuckle Assembly-Steering Rod

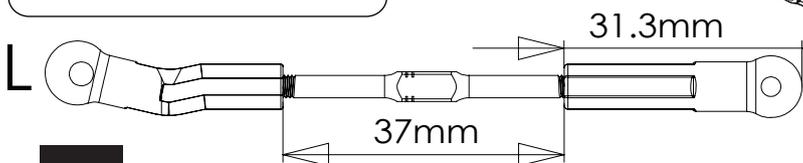
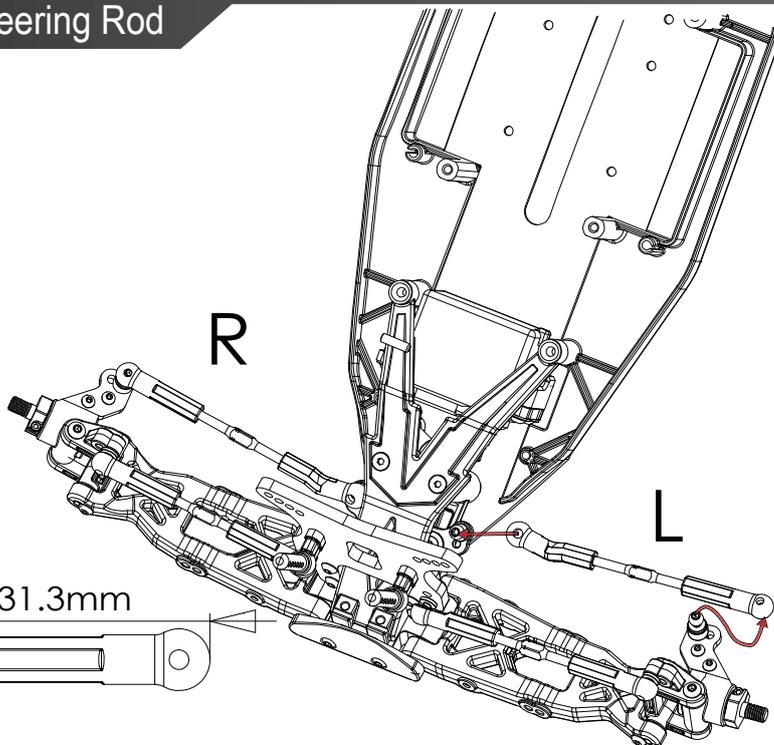
One side is reverse threaded.

 2
77430066 55mm Turnbuckle

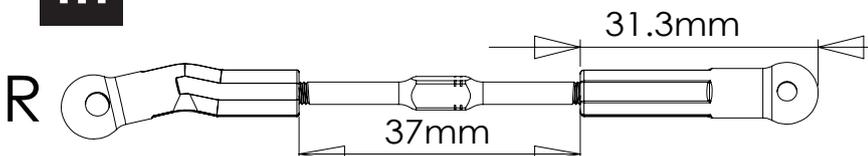
 2
66400066
31.3mm Rod End

 1
66400066 R

 1
66400066 L

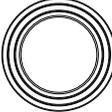


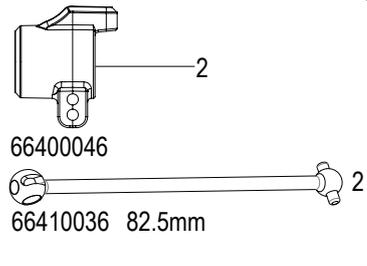
1:1



B7 Rear Hub&Cva

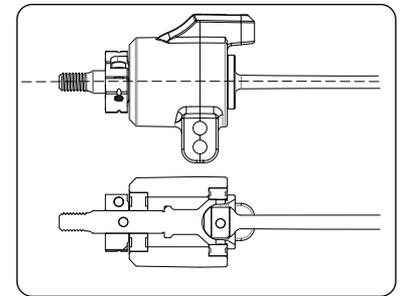
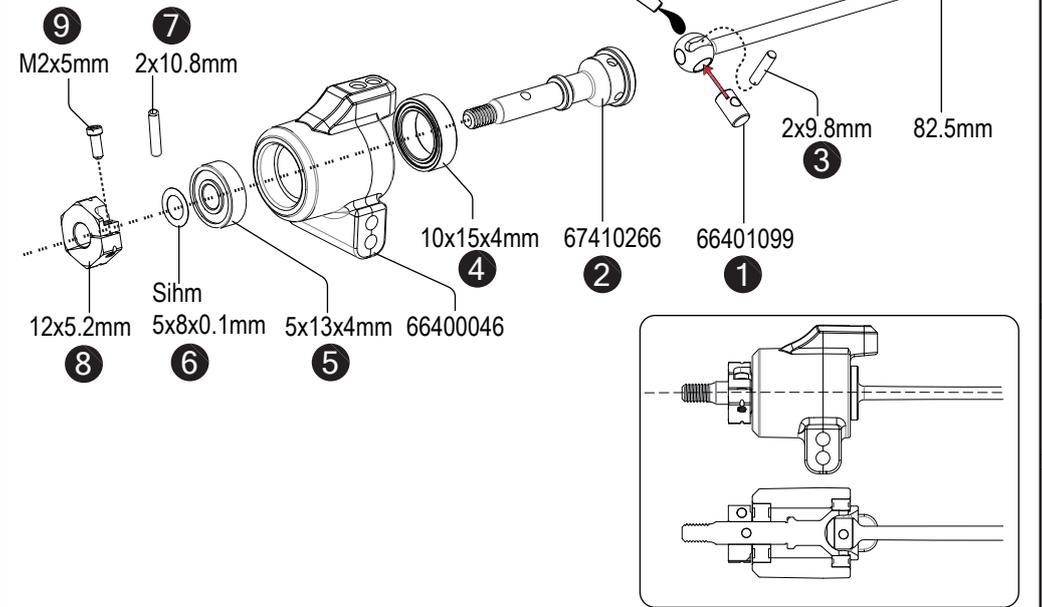
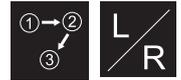
BAG B

-  2
87400066 M2X5mm
-  2
85440090 Sihm 5x8x0.1mm
-  2
89430020 5x13x4mm Ball Bearing
-  2
89430030 10x15x4mm Ball Bearing
-  2
79400086 Pin 2x9.8mm
-  2
79400016 Pin 2x10.8mm
-  2
67410266 Stub Axle m5
-  2
66401096 CVA Bushing
-  2
68440080 12x5.2mm



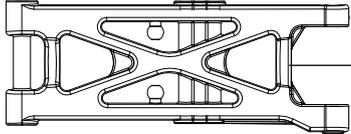
IN BAG C

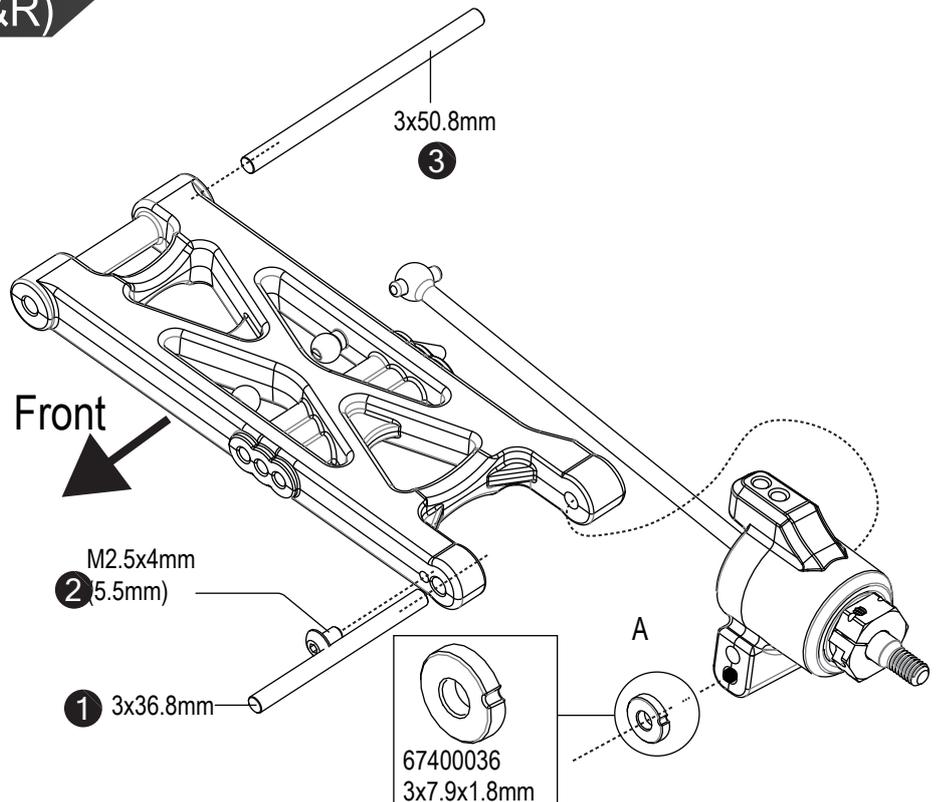
19460016
High
Pressure Grease



B8 Rear Hub (L&R)

BAG B

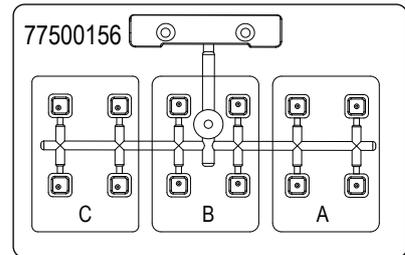
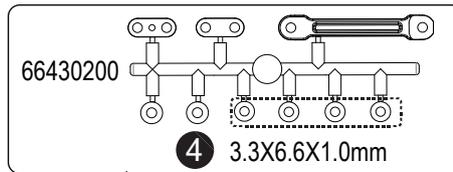
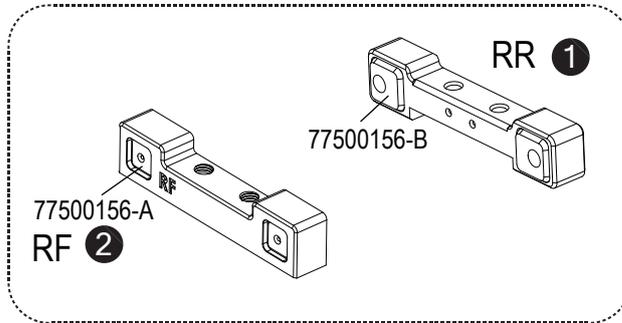
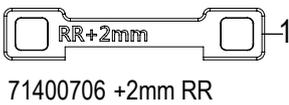
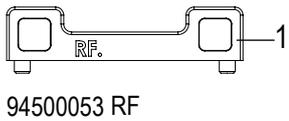
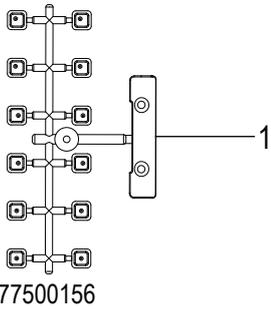
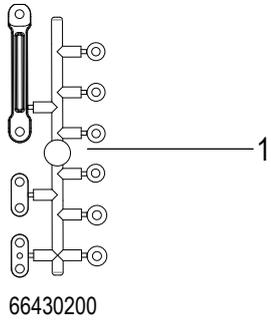
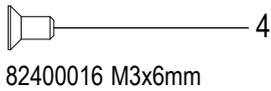
-  2
79480046
Pin 3x50.8mm
-  2
79400036
Pin 3x36.8mm
-  2
80400016
M2.x4mm(5.5mm)
-  2
67400036
-  2
67400036 3x7.9x1.8mm



B9 Rear Suspension

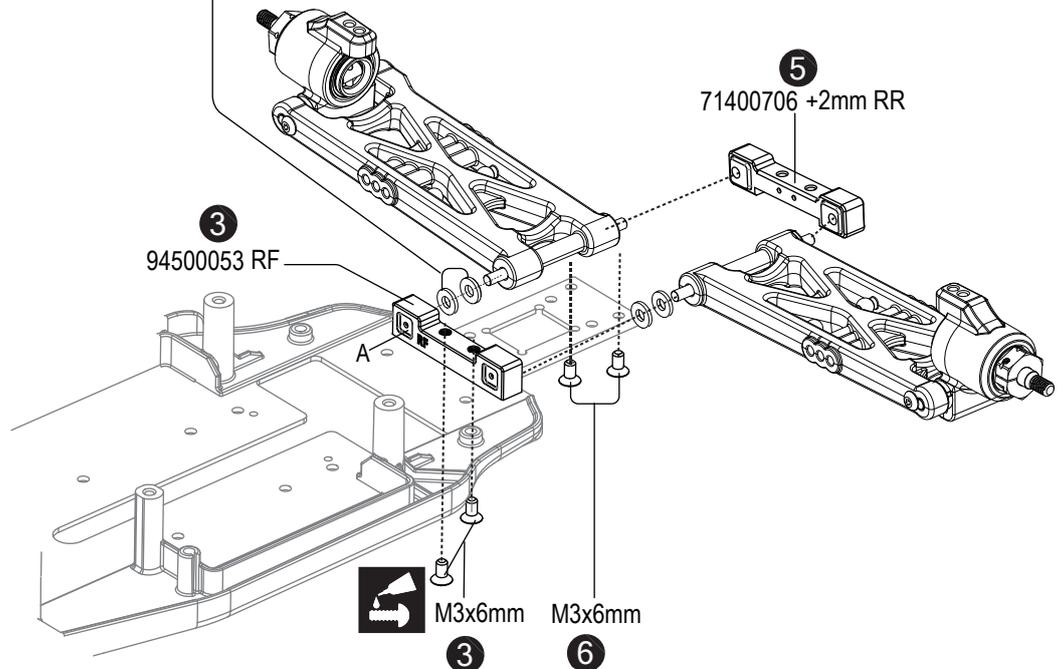


BAG
B



REAR HANGER INSERTS

RF	RR	TOE	SQUAT
		+2.5	+1.58
		+2.5	+2.85
		+2.5	+3.83
		+2.5	+0.15
		+2.5	+1.58
		+2.5	+2.85
		+2.5	-1.83
		+2.5	-1.85
		+2.5	+1.58
		+2.50	+1.58
		+1.35	+1.58
		+1.80	+1.58
		+3.60	+1.58
		+2.56	+1.58
		+1.35	+1.58
		+4.81	+1.58
		+3.66	+1.58
		+2.50	+1.58
		+4.90	+3.83



Part Bags used.

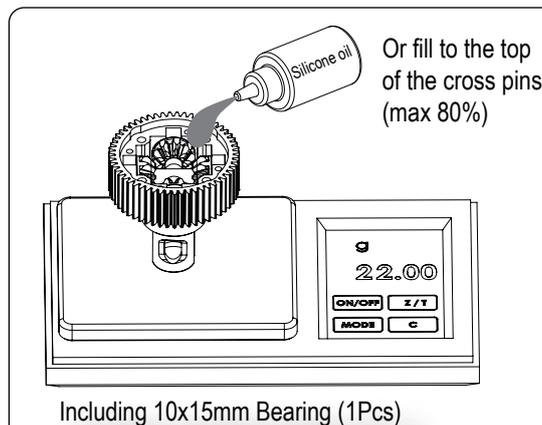
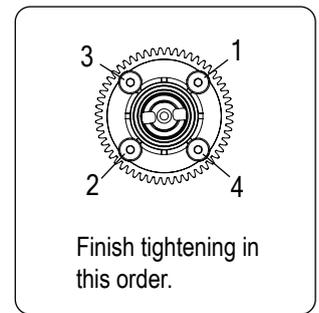
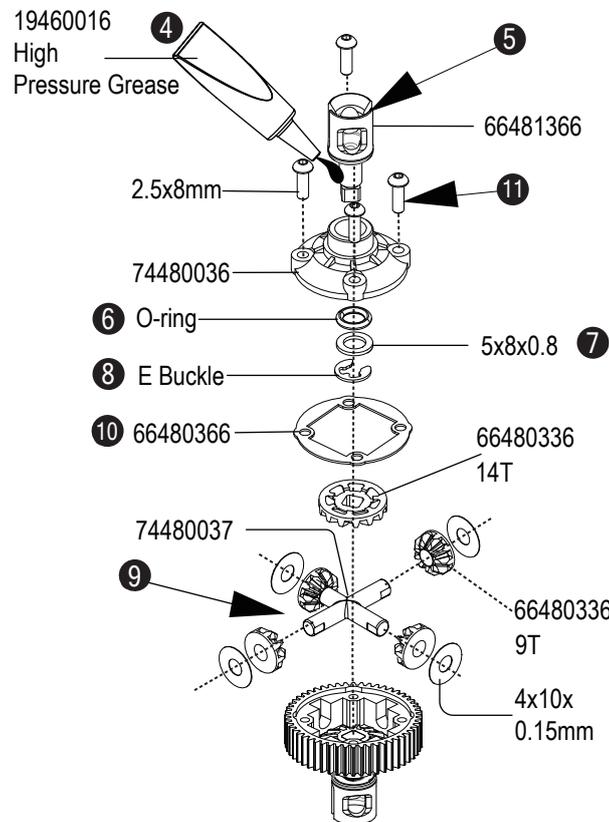
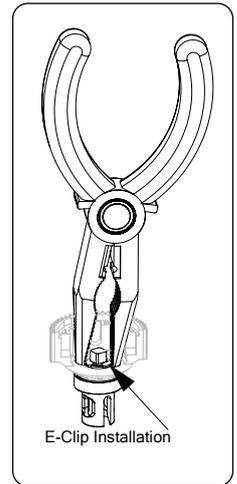
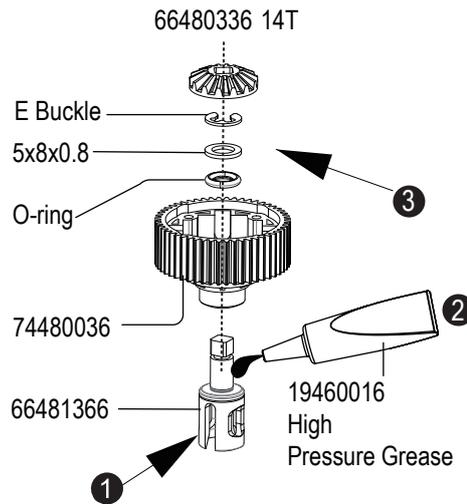
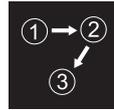
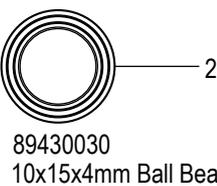
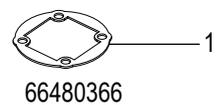
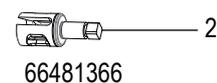
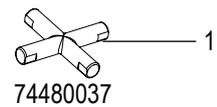
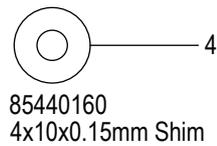
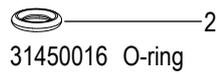
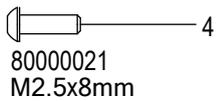
Apply threadlocker (screw cement)

Apply oil.

C1 Gear Differential



BAG
C

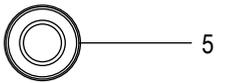


- Silicone oil
- Low Traction
5000cst
 - Medium High Traction
7000cst
 - Super High Traction
10000cst

C2.1 Transmission Assembly



BAG
C



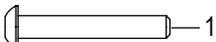
89430010
5x10x4mm Ball Bearing



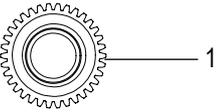
66480236-5x18mm
Aluminium Idler Shaft



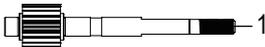
80400196
M3x18mm



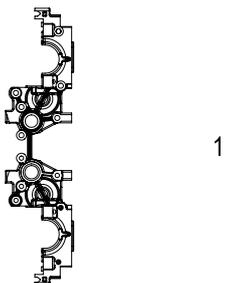
80400066
M3x20mm



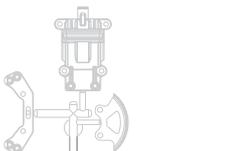
66402085
35T Alu Idler Gear



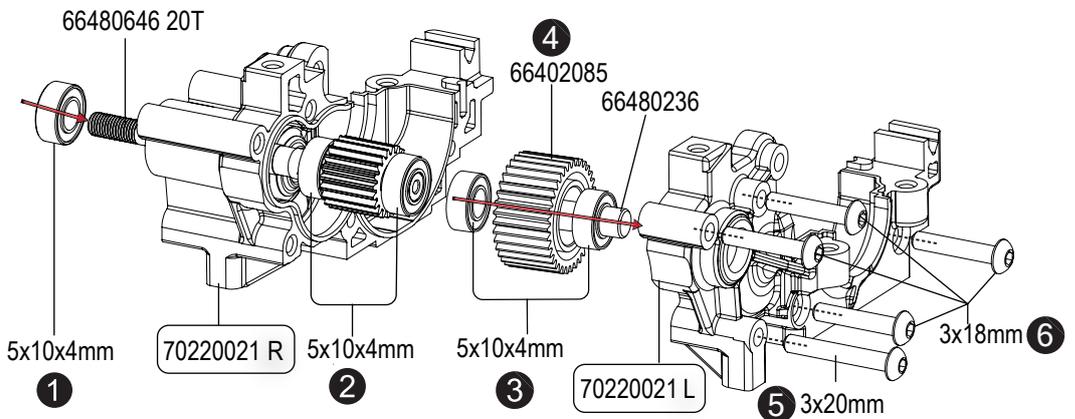
70220035 21T



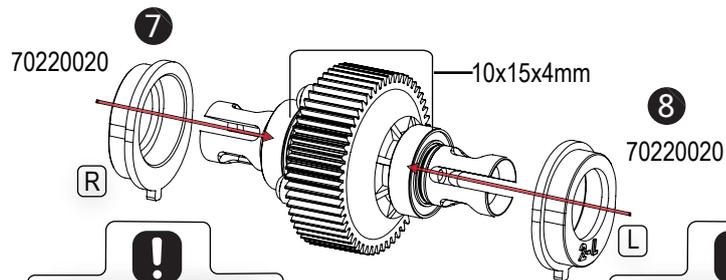
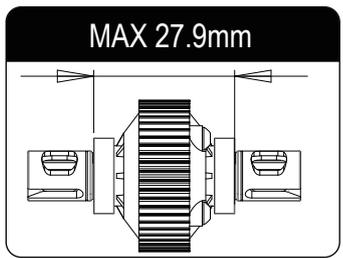
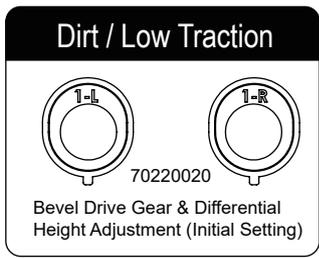
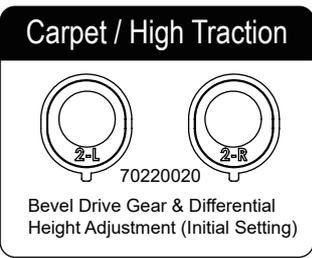
70220021



70220020



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



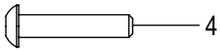
!
NOTE ORIENTATION
Numbers must have
the same orientation
on each side

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

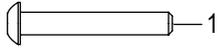
C2.2 Transmission Assembly



BAG
C



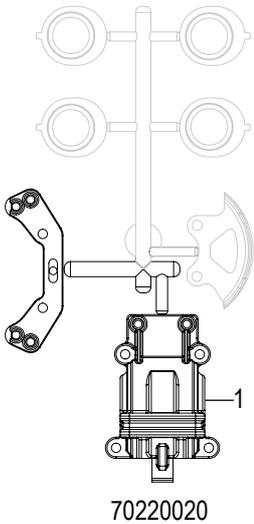
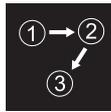
80400057
M3x15mm



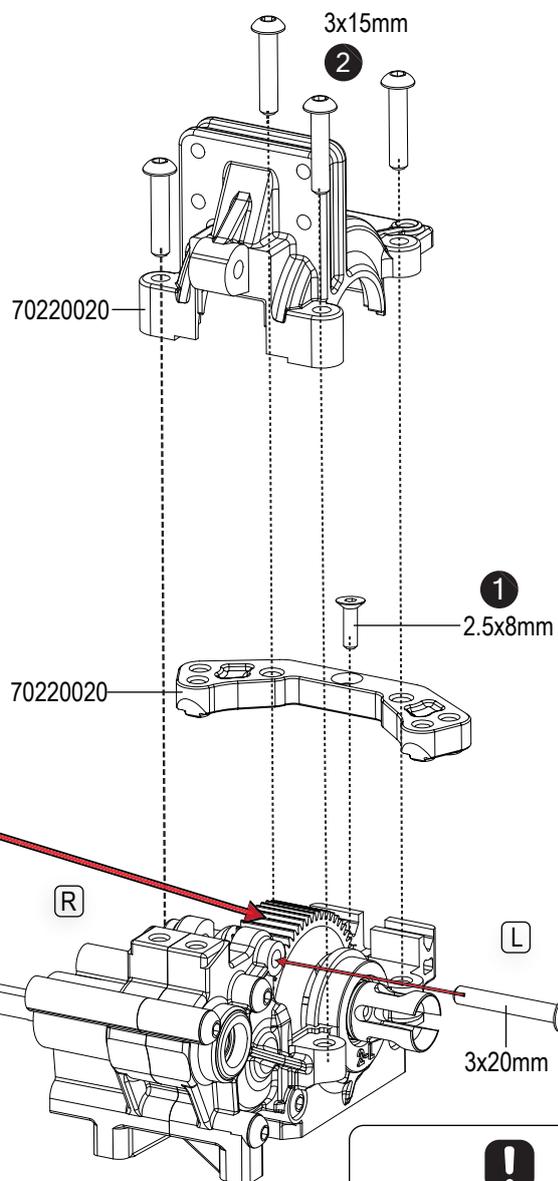
80400066
M3x20mm



82400066 M2.5x8mm



70220020

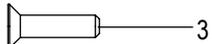


19460016
High
Pressure Grease

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

C3 Transmission Assembly

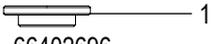
BAG
C



3
82400036
M3x12mm



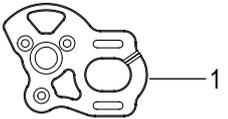
1
83400036-M4 Lock Nut



1
66402696
S1 support piece



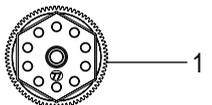
1
66402666
S1 Slipper Spring



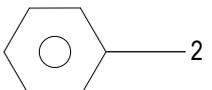
1
94500038
PRS1V4
ALU Motor Plate



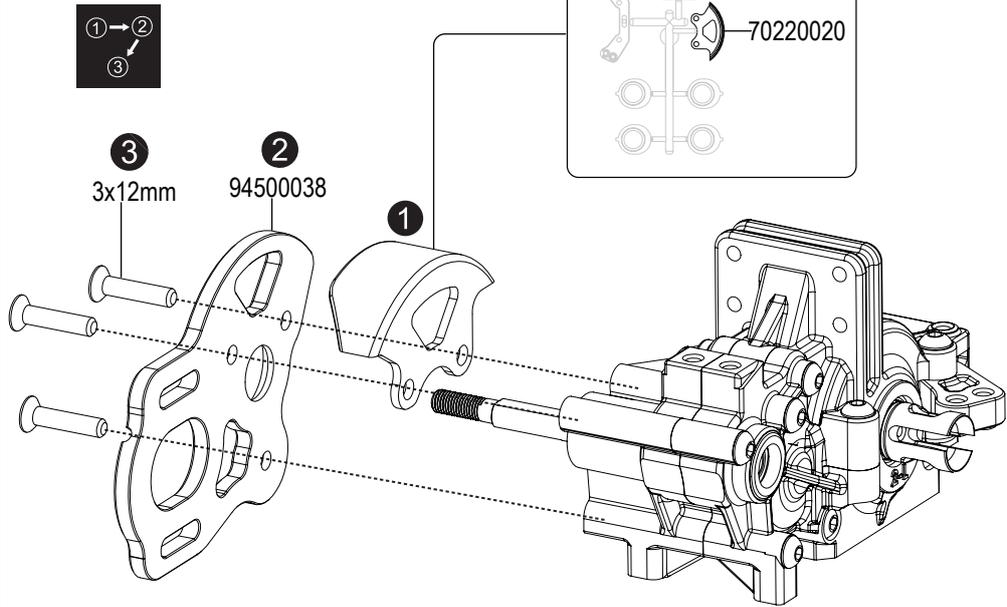
2
66400466
Vented Slipper Plate



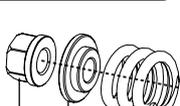
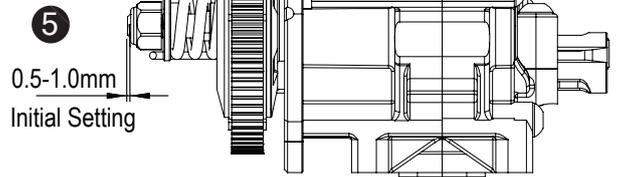
1
66480596
77T



2
66480306
11mm Slipper Pad



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



M4
Lock Nut

66402696

66402666

66400466

Slipper
Pad

66480596
77T

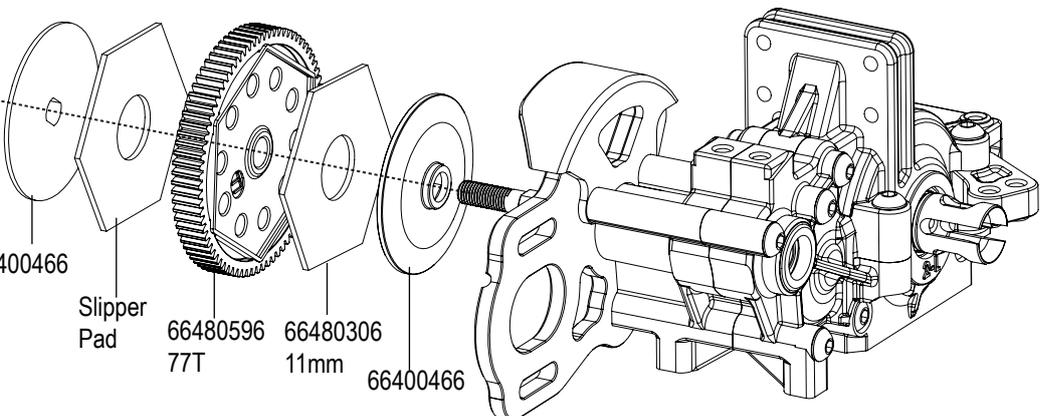
66480306
11mm

66400466



Assembly Video

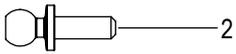
4



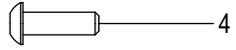
C4 Rear Shock Tower



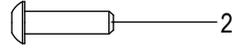
BAG
C



2
68430046
M4.8x8mm Ball Studs



4
80400046
M3x10mm



2
80400206
M3x12mm



2
85440311
3x6.0x2mm Aluminum Spacer



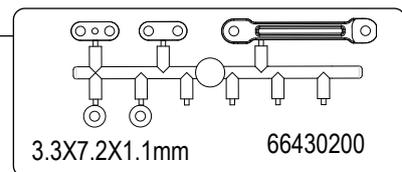
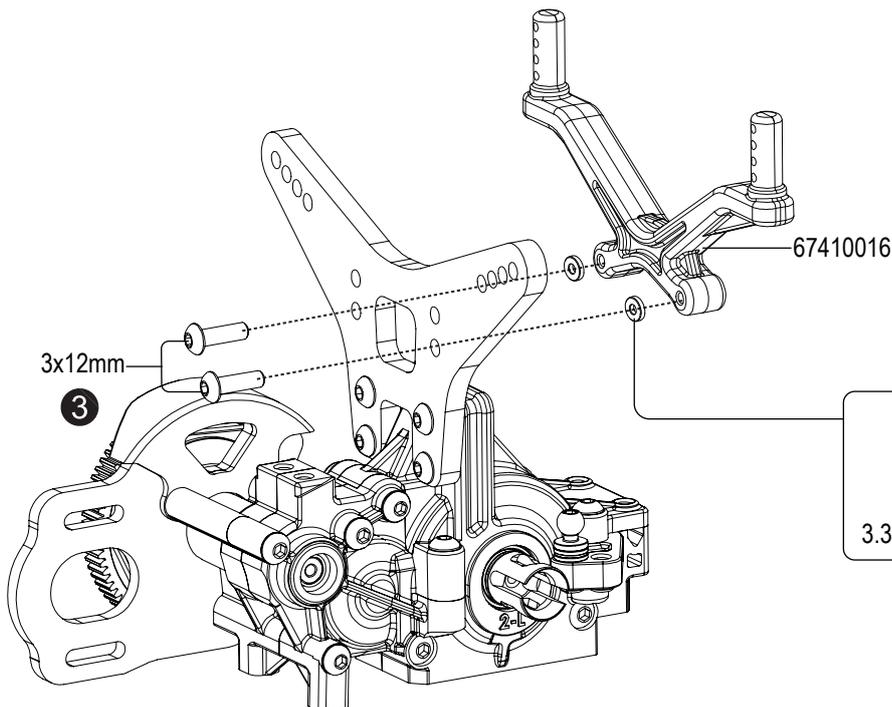
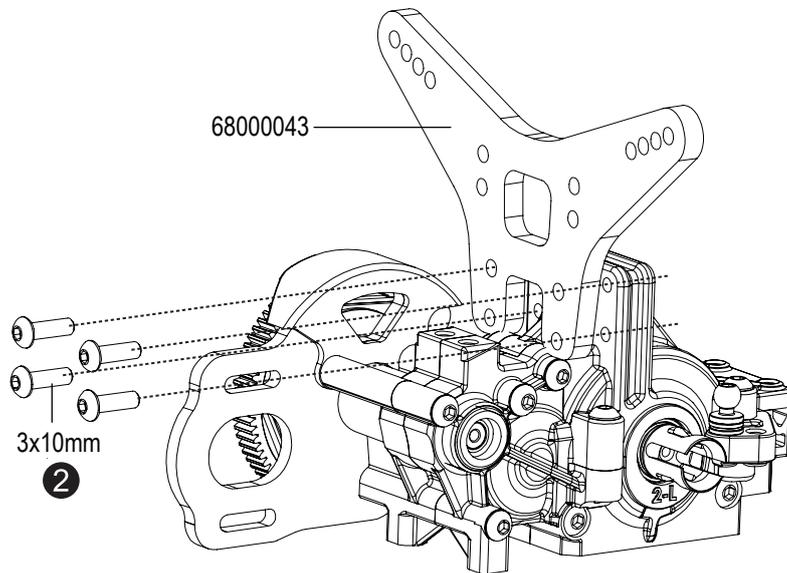
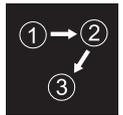
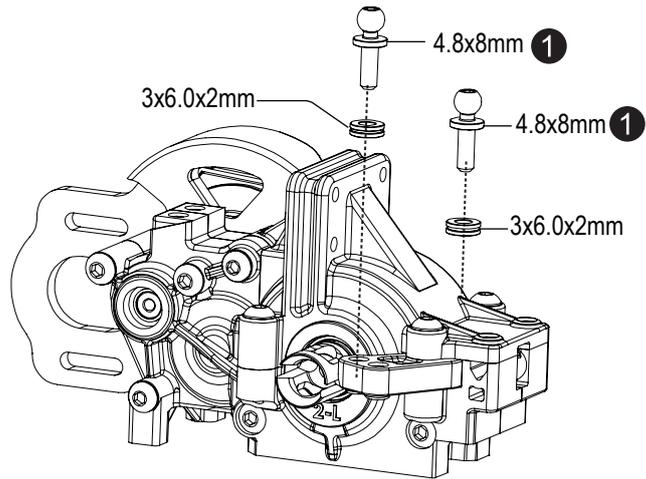
1

68000043



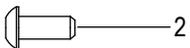
1

67410016

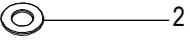


C5 Rear Gear Box

BAG
C



2
80400036
M3x8mm

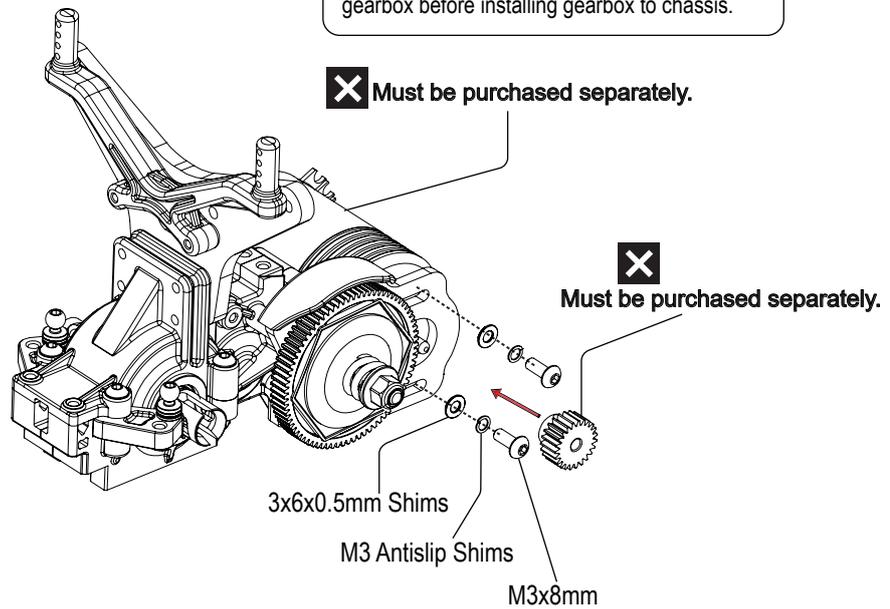


2
85440301
3x6x0.5mm Shims



2
85440240
M3 Antislip Shims

齒輪箱裝入底盤時 請先完成馬達安裝。
Note: complete installation of the motor to the gearbox before installing gearbox to chassis.

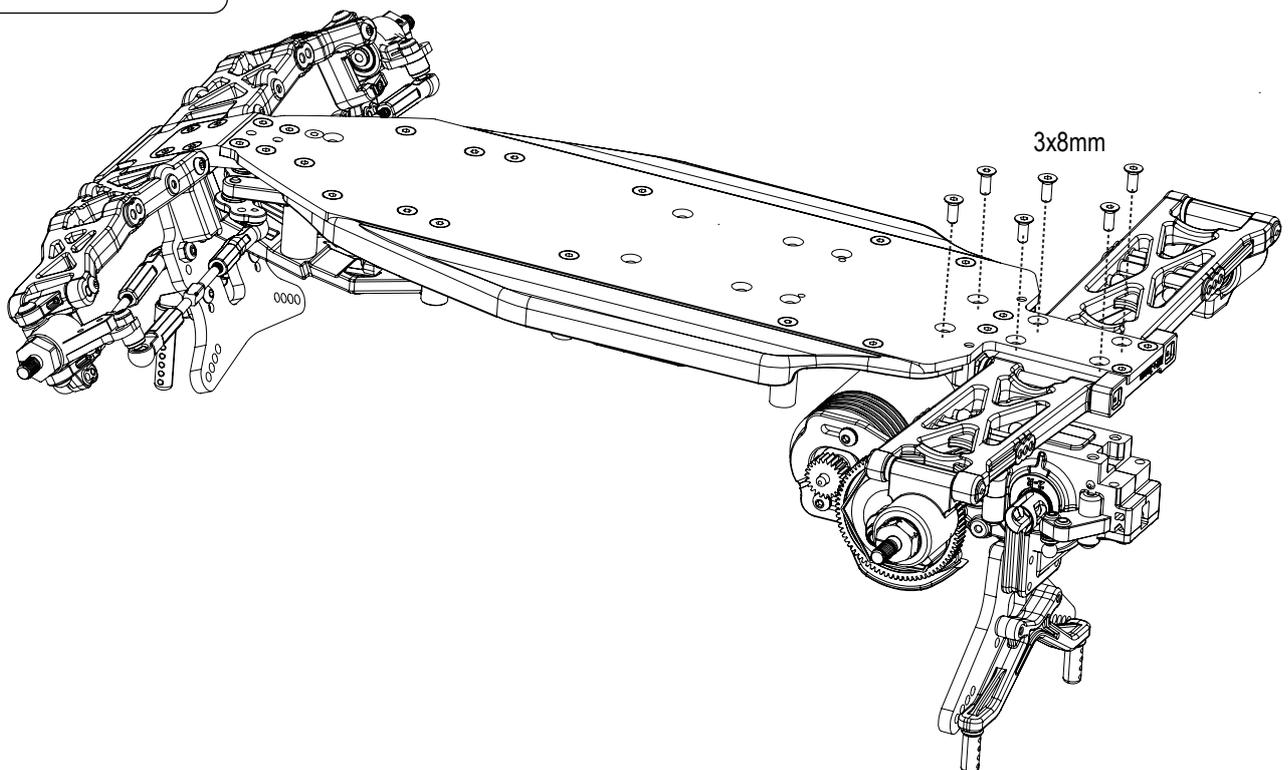


C6 Rear Gear Box

BAG
C

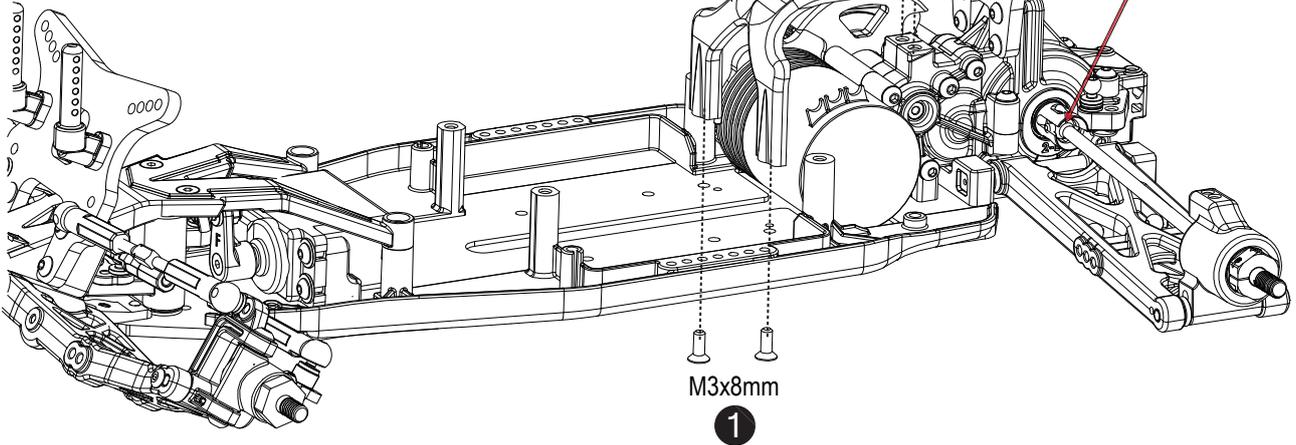
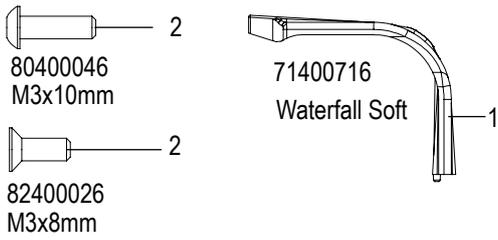


6
82400026 M3x8mm



C7 Waterfall Soft

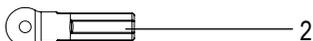
BAG
C



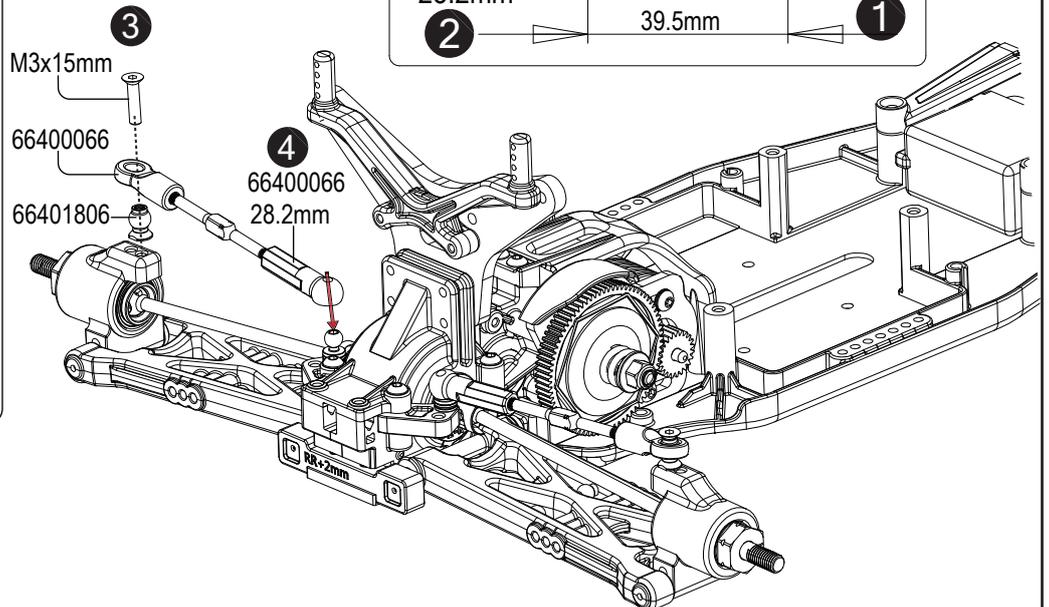
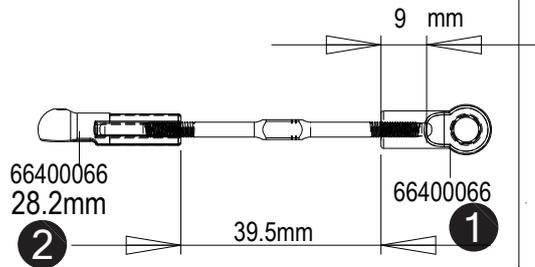
C8 Rear Upper Rod-Turnbuckle Assembly

BAG
C

One side is reverse threaded.



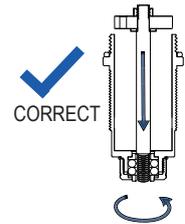
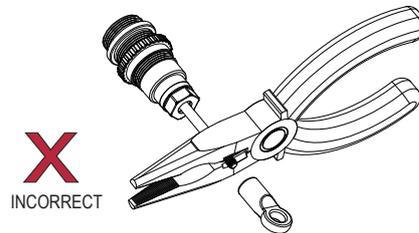
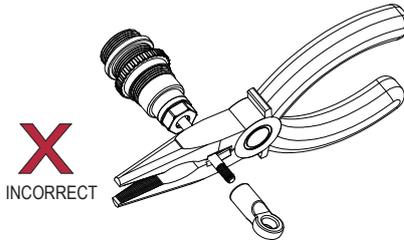
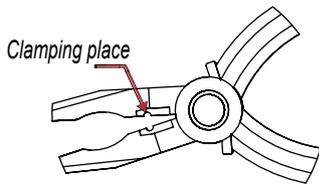
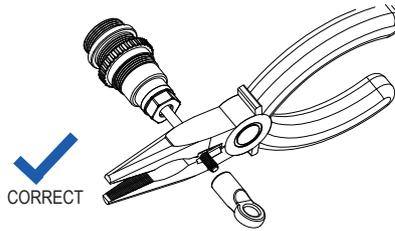
Pay attention to the depth max 9 mm



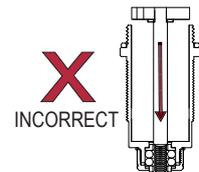
D1.1 Front & Rear Shock Assembly



!
IMPORTANT



Twist the shock rod through the lower shock body assembly.



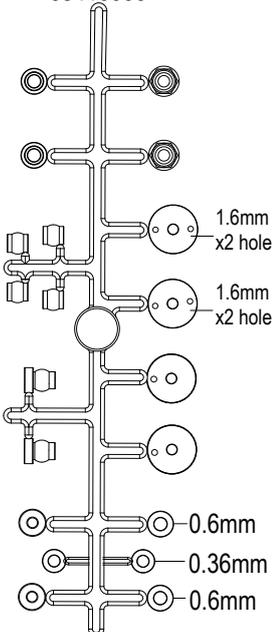
EXTREMELY IMPORTANT

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

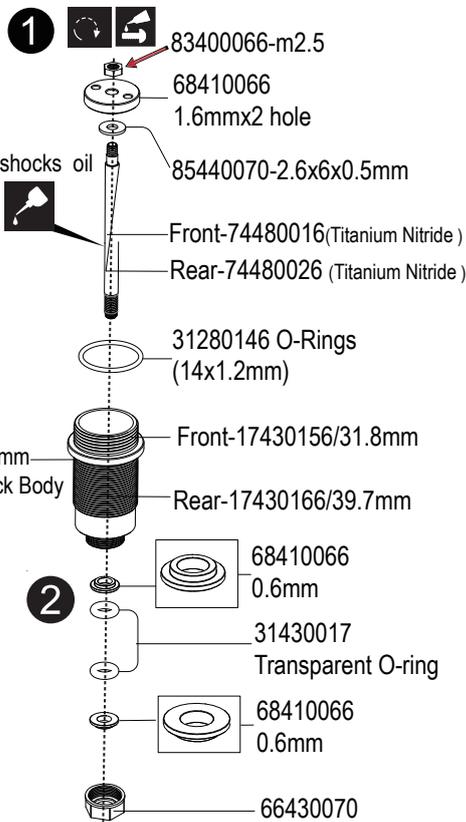


Rear Buildx2
Front Buildx2
Initial setting

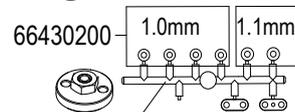
68410066



m2.5 Do not over tighten (screw cement)



3



Downstop Shims

Front-Carpet / High Traction 1-2mm
Dirt / Low Traction 0mm

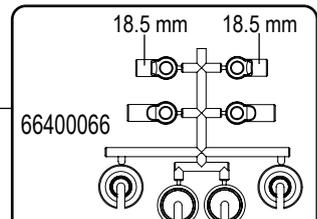
Rear-Carpet / High Traction 1-2mm
Dirt / Low Traction 0mm

Thicker shim used, Greater downstop is achieved



4

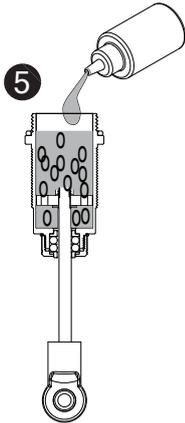
18.5 mm



D1.2 Front & Rear Shock Assembly

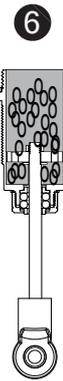


Front Build x2
Rear Build x2

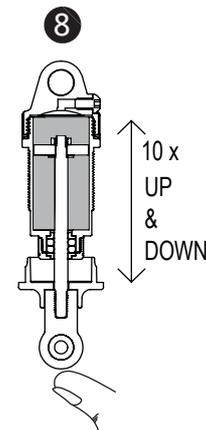
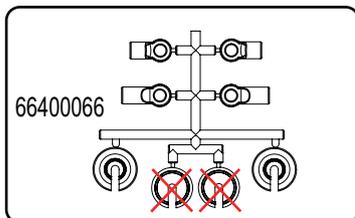
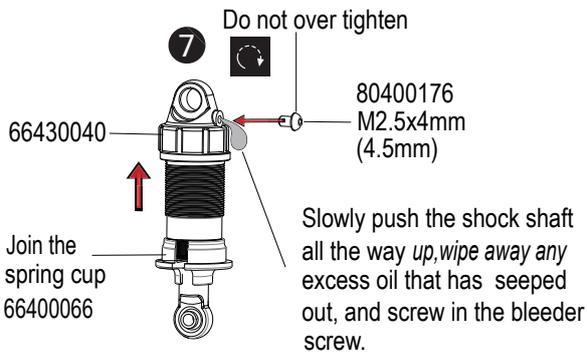


Initial Setting

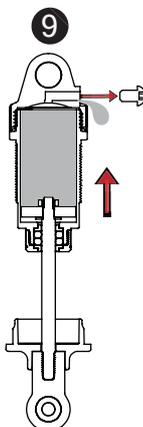
Front shocks oil	Rear shocks oil
↑ 20 ⁰ C 550Cst	↑ 20 ⁰ C 500Cst
↓ 20 ⁰ C 500Cst	↓ 20 ⁰ C 450Cst



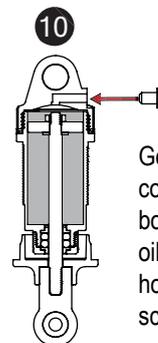
Slowly move up and down to remove air bubbles.



10 x push the shaft up and down.



Untighten the screw.

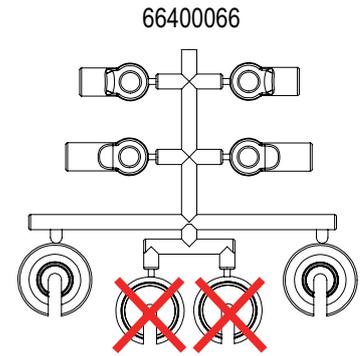
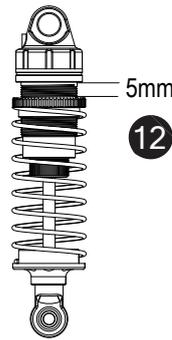
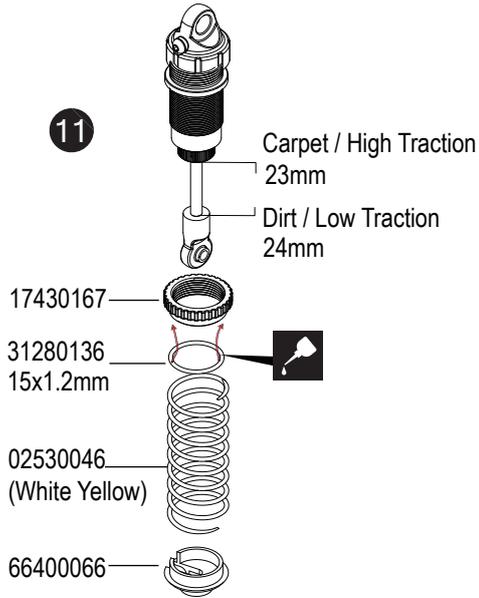


Gently push the shock shaft completely into the shock body. Wipe away any excess oil that flows through the hole in the shock cap and screw in the bleeder screw.

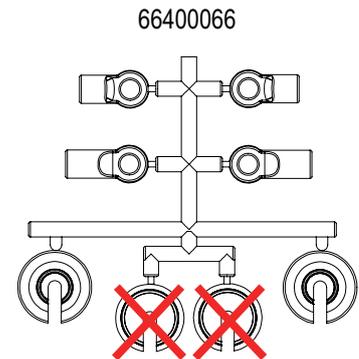
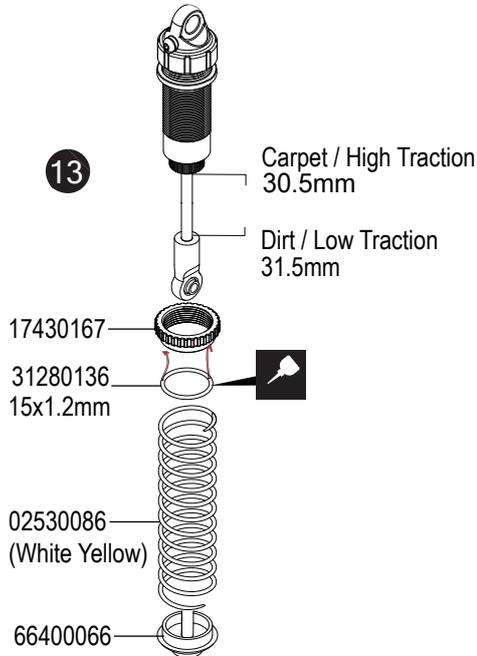
D1.3 Front & Rear Shock Assembly



Front Build x2 Initial setting



Rear Build x2 Initial setting



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)

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)

Part Bags used.

Apply oil.

Assemble in the specified order.



BAG
D

D2 Front Shoch

80400076 M3x25mm 4

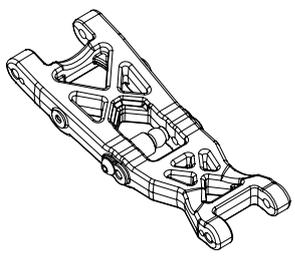
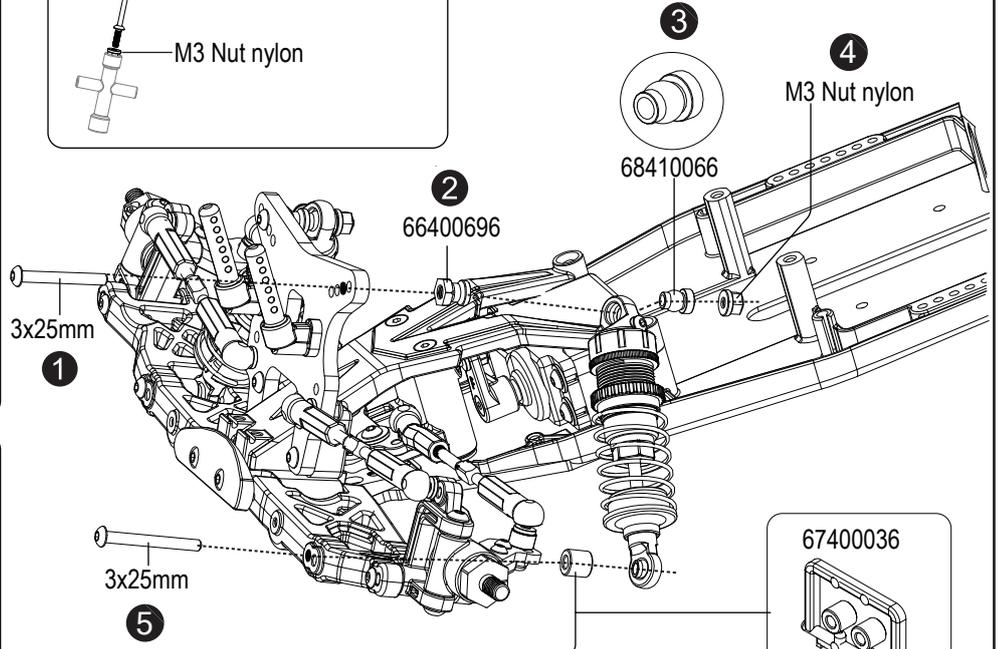
67400036 1

68410066 M3 Nut nylon 2

68410066 2

66400696 2

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



BAG
D

D3 Rear Shoch

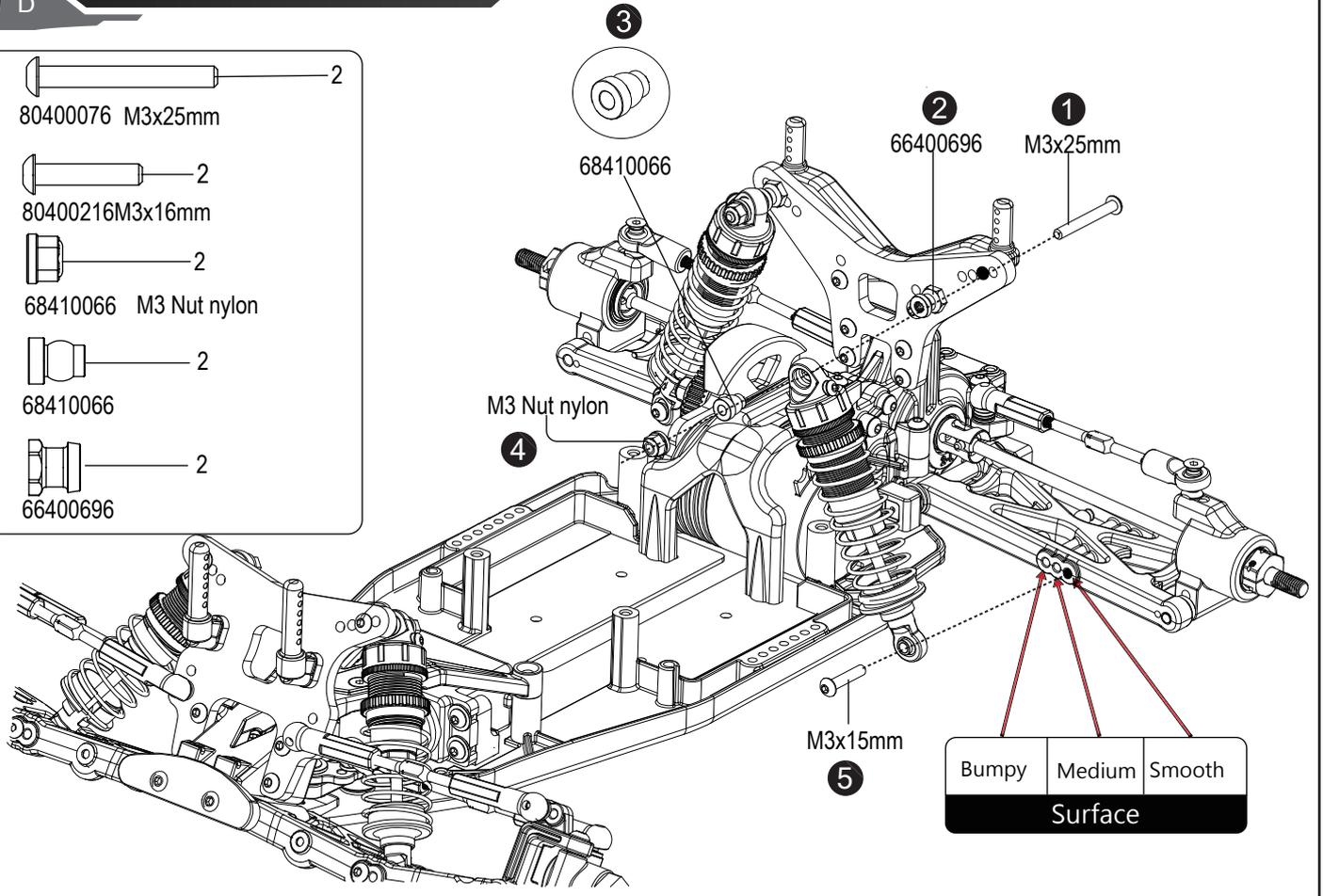
80400076 M3x25mm 2

80400216 M3x16mm 2

68410066 M3 Nut nylon 2

68410066 2

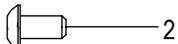
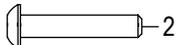
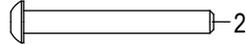
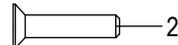
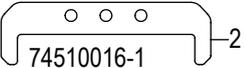
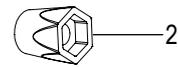
66400696 2

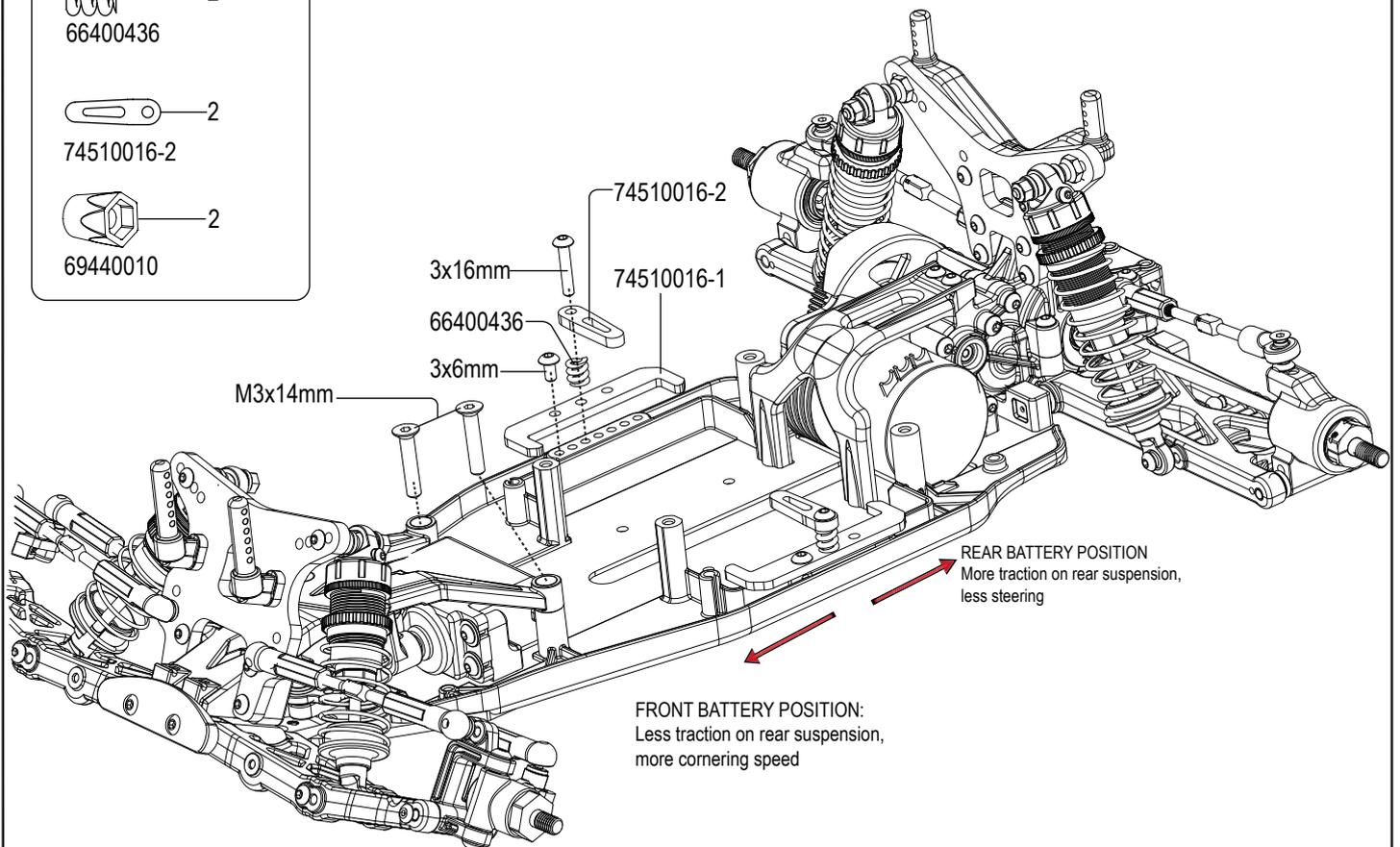
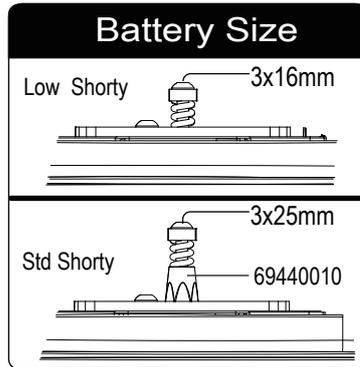


Bumpy	Medium	Smooth
Surface		

D4 Battery Plate

BAG
D

-  2
80400026
M3x6mm
-  2
80400216
M3x16mm
-  2
80400076
M3x25mm
-  2
82400046
M3x14mm
-  2
74510016-1
-  2
66400436
-  2
74510016-2
-  2
69440010





BAG
D

D5 Mounting Tires, Wheel Installation



99400056 Velcro Tape — 2

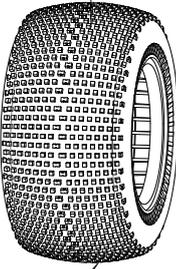
83400086 M5 Nut with 8mm Hex (Steel) — 4

66401926 R6 Snap Pin — 4

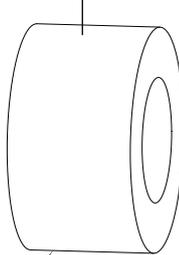
83400046 M3 — 2

80400026-M3x6mm Button Head Cap Screw — 2

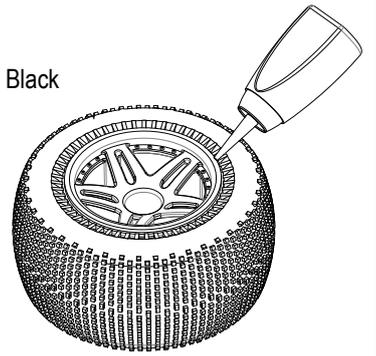
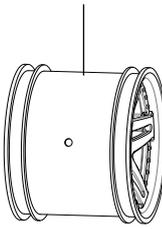
OP-67410226 Truck Tire *2pcs



OP-32430526 Insert *2pcs



KIT-67410076 PR ST 1 Wheel Black



Place the tire insert into the tire. Pull the sidewall of the tire slightly away and tire onto the wheel. form the rim and apply CA(Cyanoacrylate) Tire and insert (Sold seprstely) glue in between the tire bead and rim CA(Cyanoacrylate) glue sold separately.

98400016

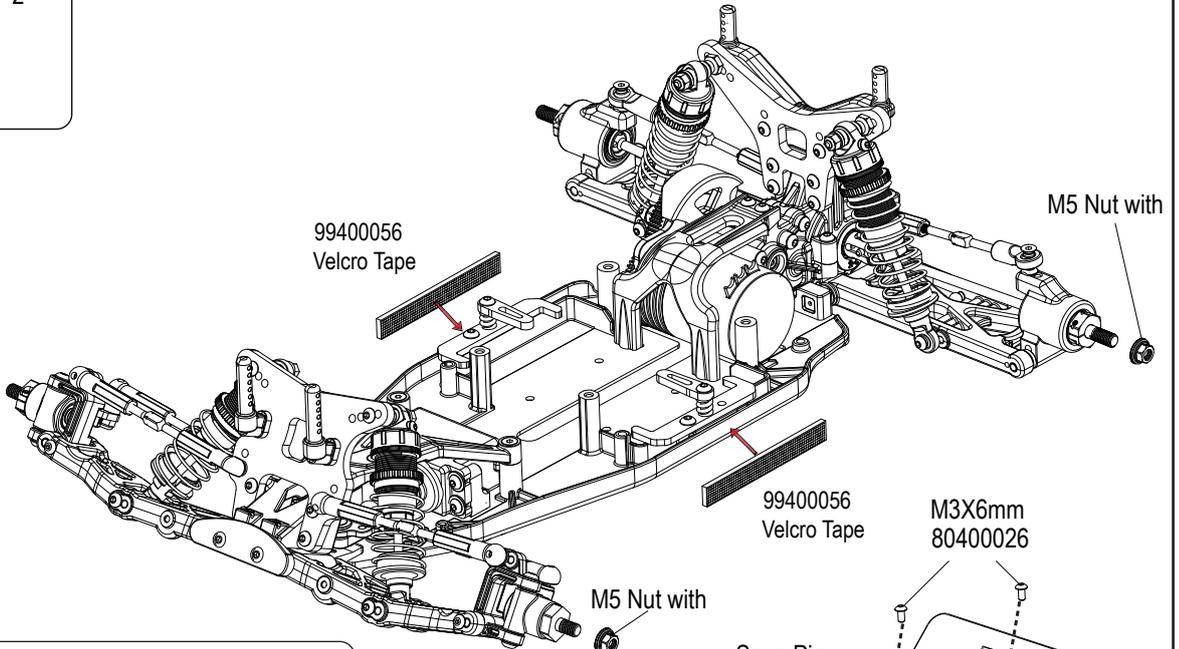
Antenna Tube



Cut off portion.

99400056 Velcro Tape

M5 Nut with



99400056 Velcro Tape

M3X6mm 80400026

M5 Nut with

Snap Pin Hole 2

67410437 V4T R Body

67400116

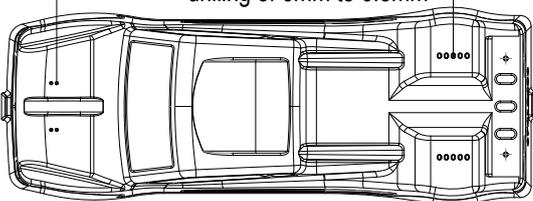
*Wash the inside of the body with luke warm water and a mild soap or detergent (such as liquid dishwashing soap) prior to painting. Oil residue or dust will prevent the paint from adhering to the painting surface, and possibly cause the paint to peel later on. After washing, thoroughly dry the body to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

Snap Pin Hole 1

Hole 2

drill as precise drilling of 6mm to 6.5mm

Hole 5



M3 83400046

Cut off shaded portion.

When your body touches the Turnbuckles. Please cut off your body.



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



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

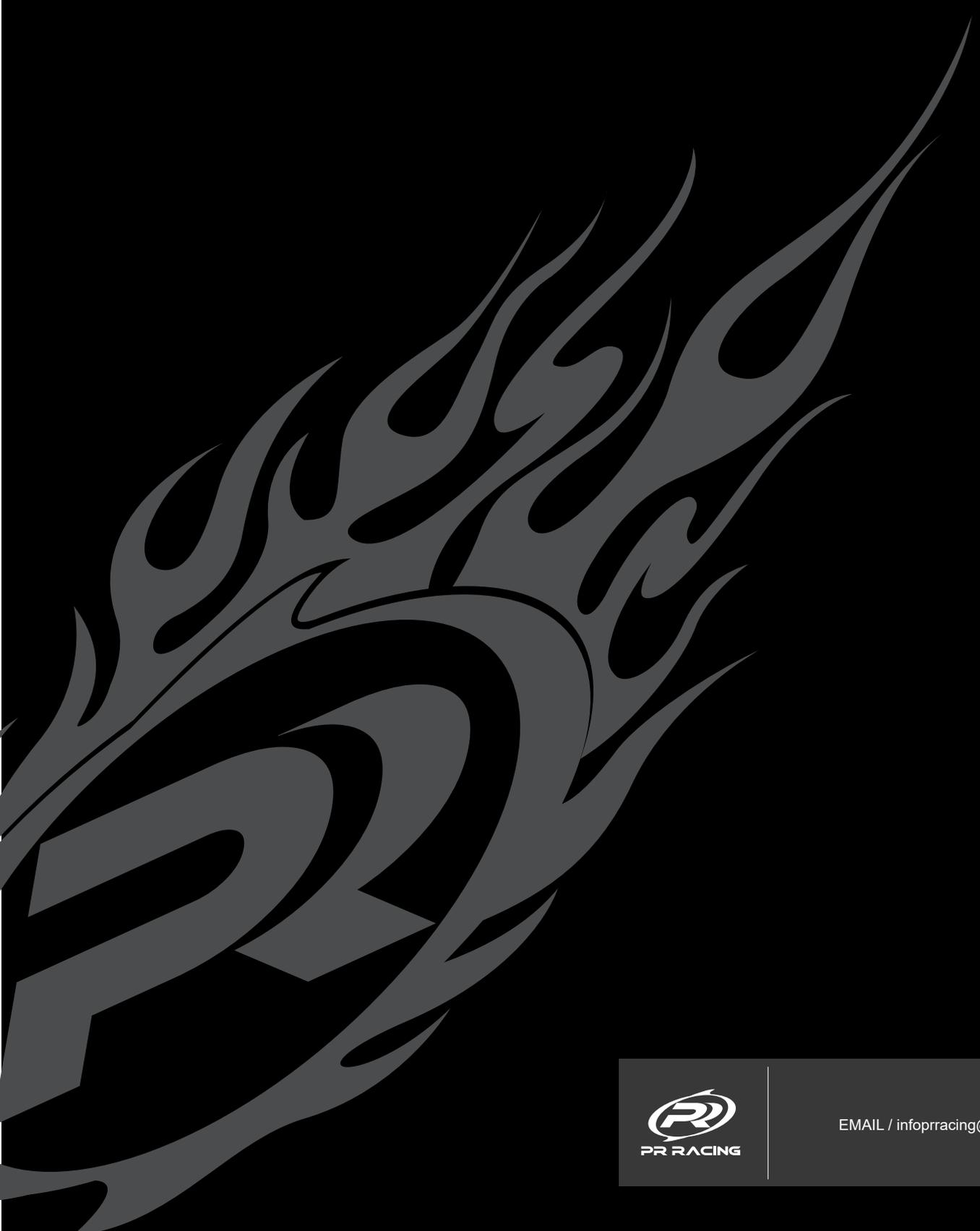
(Gear Diff) Final Drive Ratio	Spur 				
	73	75	77	81	83
Pinion 	18				
	19				
	20			10.09	
	21			9.61	
	22		8.93	9.17	
	23		8.54	8.77	
	24	7.97	8.19	8.41	
	25	7.65	7.86	8.07	
	26	7.36	7.56	7.76	
	27	7.08	7.28	7.47	
	28	6.83	7.02		
	29	6.60	6.78		
	30	6.38			
	31	6.17			
	32				
	33				

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.

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



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1.2 Version