



ITEM NO:77500256
PR SB401-R 1/10 Electric 4wd Off Road Buggy Kit Lightweight Edition (Slipper Clutch Version)





PR racing have been hard at work developing the next generation of the successful SB401 platform and have made the SB401-R faster, quieter and easier to maintain and tune. A number of key components have been totally redesigned to produce a better handling and more forgiving car to drive. The main focus has been on the all new narrow 2mm 7075-T6 chassis and plastic side-pods, which utilizes a carbon fibre re-enforced spine to control torsional and longitudinal flex. The additional flex has proved to increase grip, and make the car feel more balanced and easier to drive leading to faster, more consistent laps.



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### 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.

Name: PR SB401-R 1/10 Electric 4wd Off Road Buggy Kit

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#### Chassis

- Hard anodised 2mm 7075-T6 Narrow chassis with side-pods
- Plastic/carbon chassis spine with CNC alloy bulkheads
- Alloy/Carbon floating servo mount
- Improved weight distribution with motor and slipper 10mm forward
- Type R ultra-low CofG Body

#### **Transmission**

- New stronger/quieter pinions and ring gears
- New vented slipper assembly with ultra-hard shafts and cups for long life
- Top loading slipper/centre diff mount for easy access
- Longer diff cups to allow for more droop

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### Suspension and Steering

- 12.75mm Type R shocks
- Lower towers for ultra-low CofG
- Suspension hangers with inserts for toe and anti-squat adjustment
- Revised Ackerman geometry for improved steering feel
- New shock seal caps and seals for ultra-smooth operation
- 11 Degree CNC caster blocks
- CNC alloy rear hubs
- Gullwing rear wishbones
- Hard front wishbones
- New shorter grey ball-cups
- · New high tensile steel turnbuckles

#### **Specifications**

Type: 1/10<sup>th</sup> 4wd Off-Road Power Source: Electric

Wheelbase:287mm(variable)

Width:245mm-248mm Gear Ratio: 2.6:1

Weight 1720g race ready (varies)

Hardware: Full metric

Bearings: Sealed Metal Ball Bearings

Wheels: 12mm hex Kit: Assembly required

### Items Required to Complete

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



AG E 1 E1-Front & Rear Shock Assembly-R E2-Front & Rear Shock Installation E3-Motor Installation E4-Mounting Tires, Wheel Installation

### **BEFORE INSTALLATION**

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.

Assemble in the

specified order.



Apply threadlocker (screw cement)

Apply grease.



movement while assembling.

Ensure smooth non-binding



Assemble left and right sides the same way.



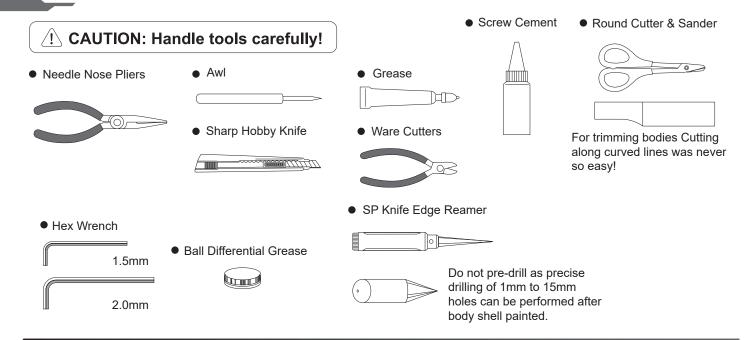
Apply oil.



Cut off shaded portion.

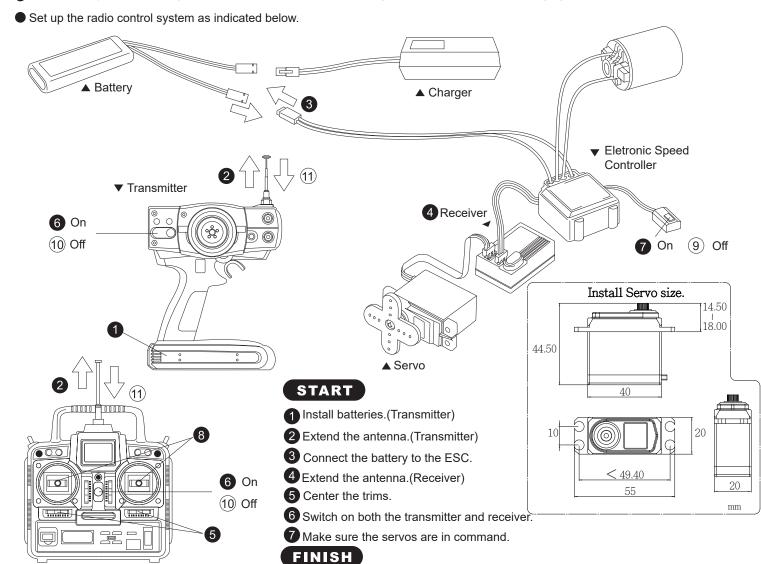
This kit contains screws and hardware in diiferent metric sizes and shapes. Before using them, check the screws on the true-to-scale diagrams on the left side in each assembly step. Some screw are extras.

### **TOOLS REQUIRED**



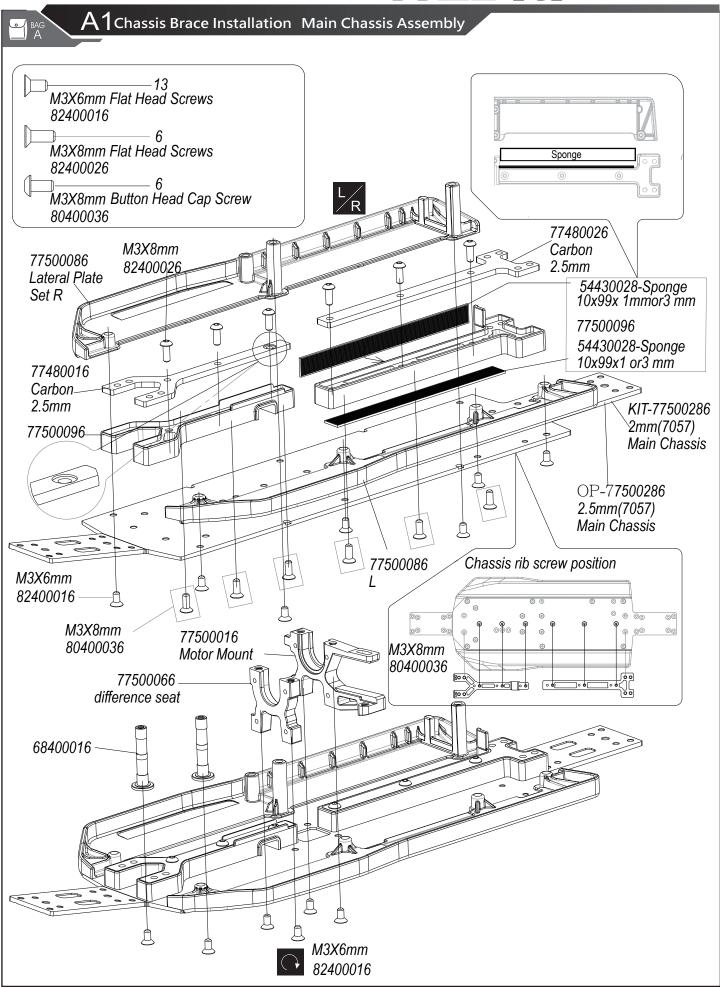
### RADIO PREPARATION

● A new battery must be charged before it is used. Refer to the charger instruction manual for charging.



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

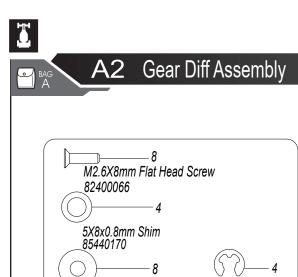


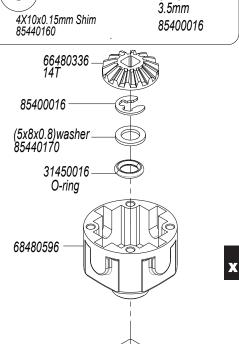


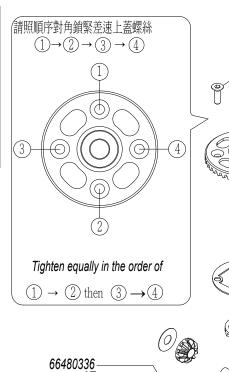




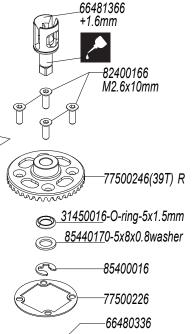












66480336

85440160

66480356

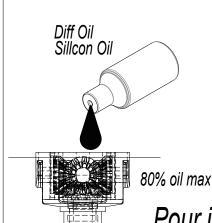
Assemble 1 front and 1 rear

According to the different

track, you can choose to use

85440160 4X10X0.15 Shim

2 gears or 4 gears



After first drive adjust for track conditions SILICON DIFF OIL

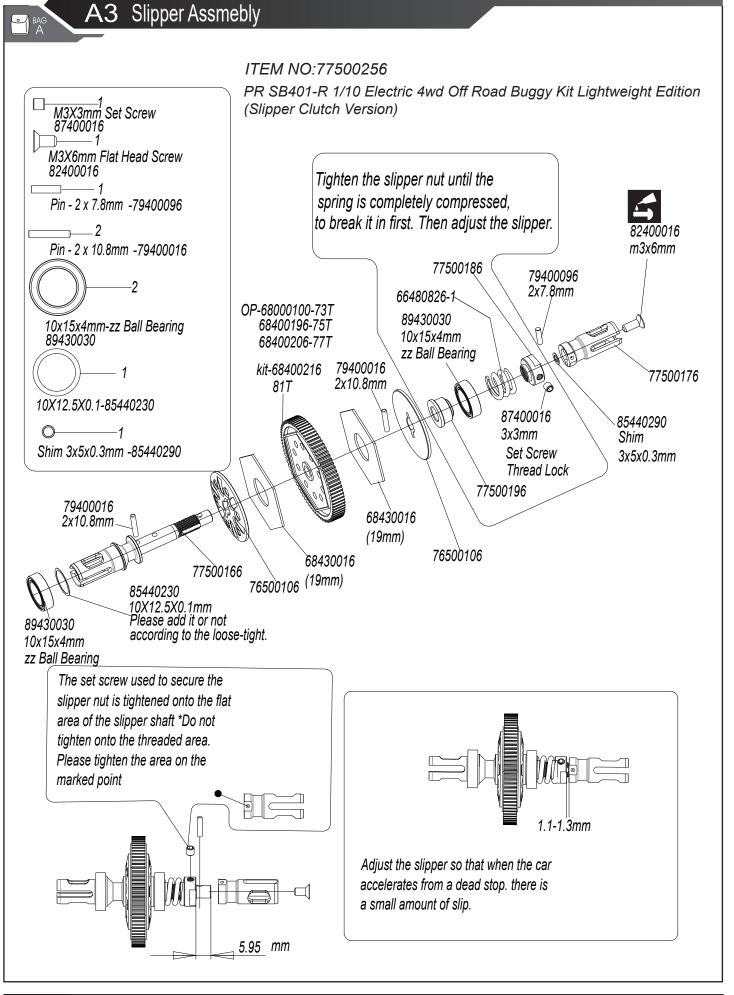
7000 F 7000 R

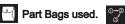
Pour in the oil until the gears are just submerged in oil.

66481366 +1.6mm

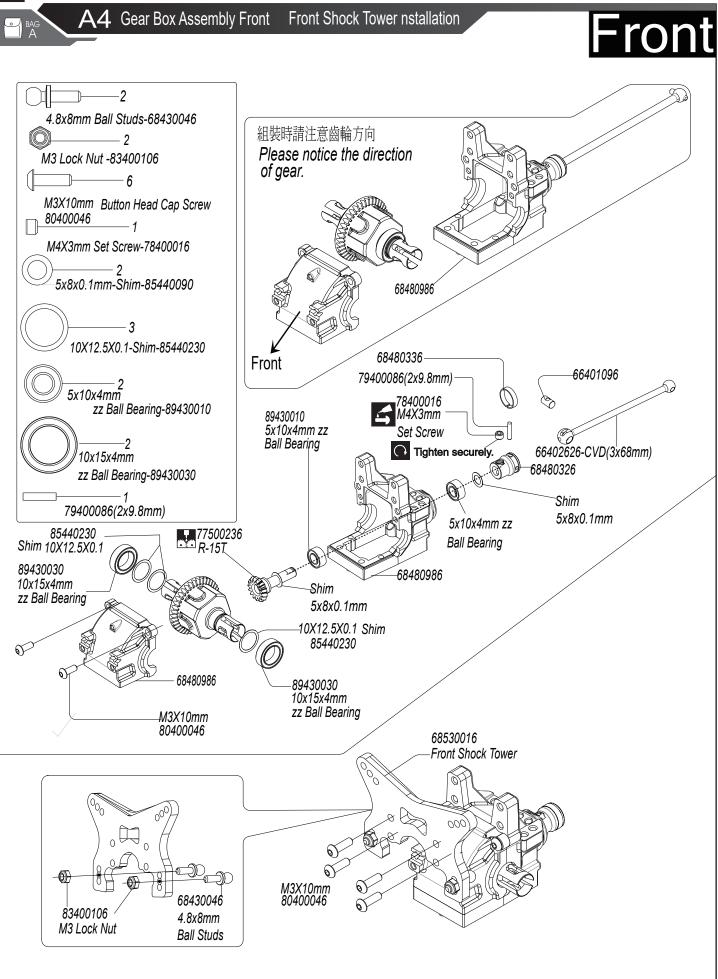










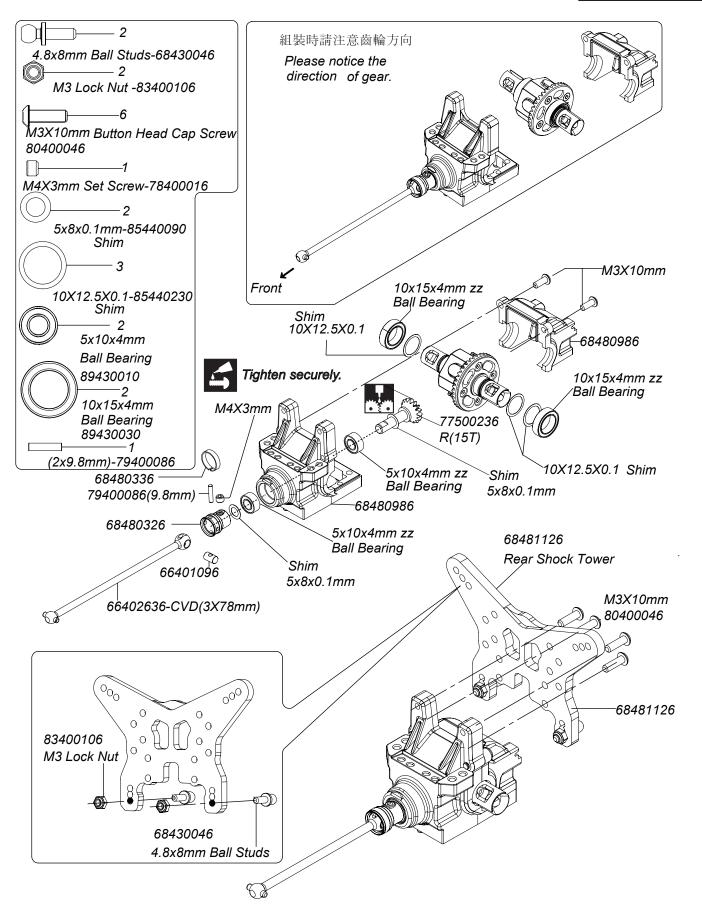






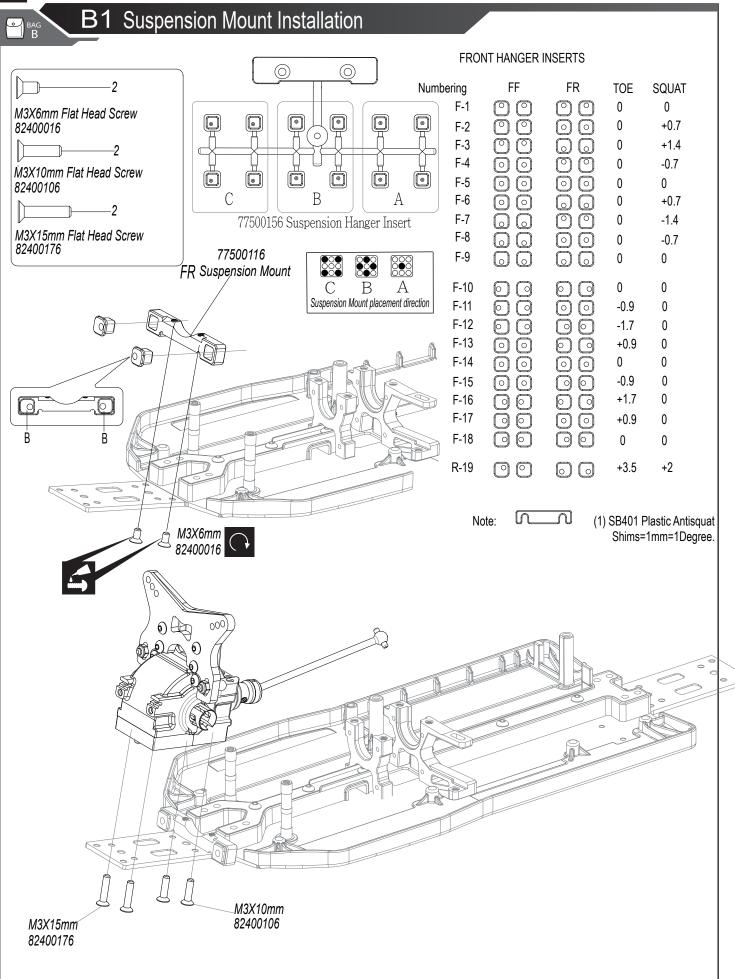
### A5 Gear Box Assembly Front Rear Shock Tower Installation









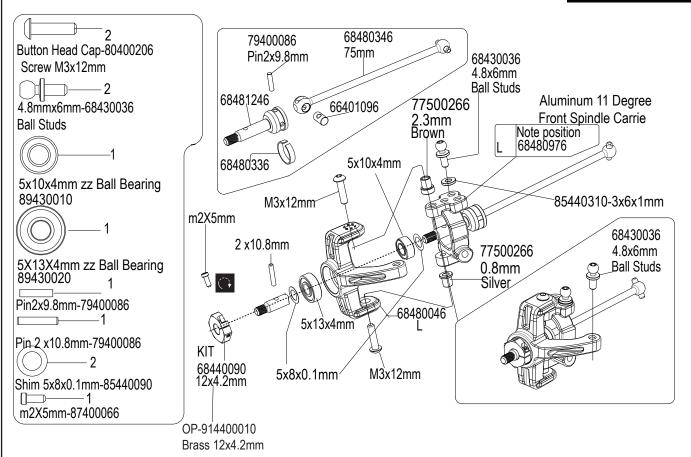






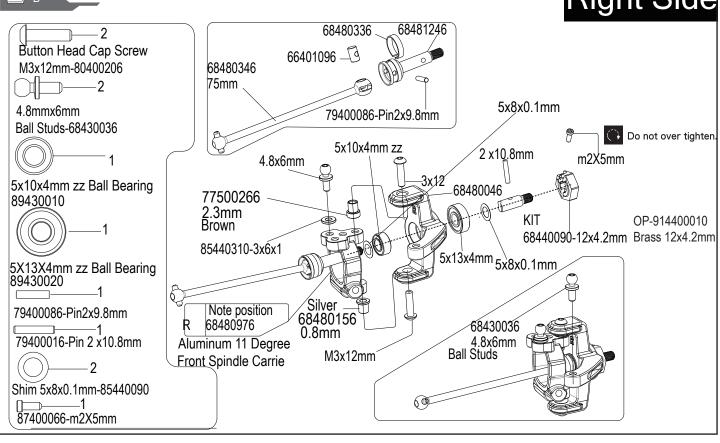
### B2 Front Hub Carrier Assembly (Left Side)

# Left Side



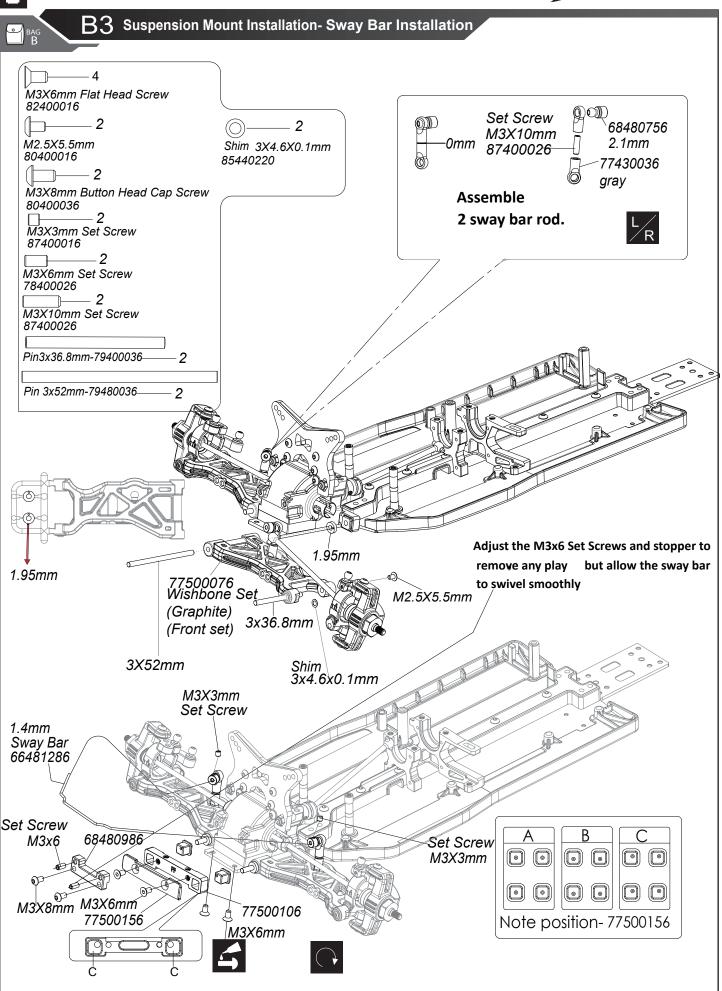
#### **B2** Front Hub Carrier Assembly (Right Side)

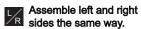
# Right Side



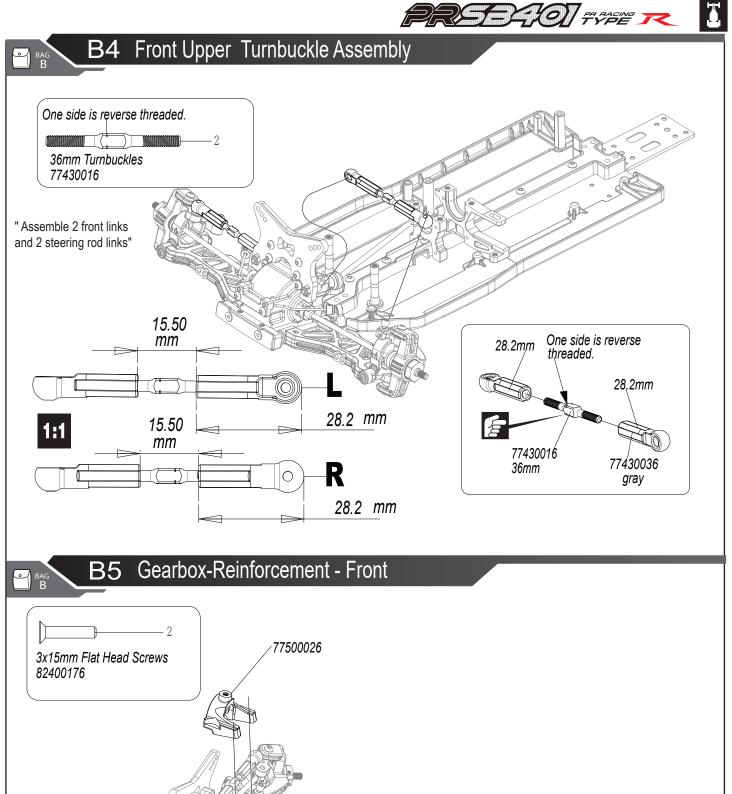


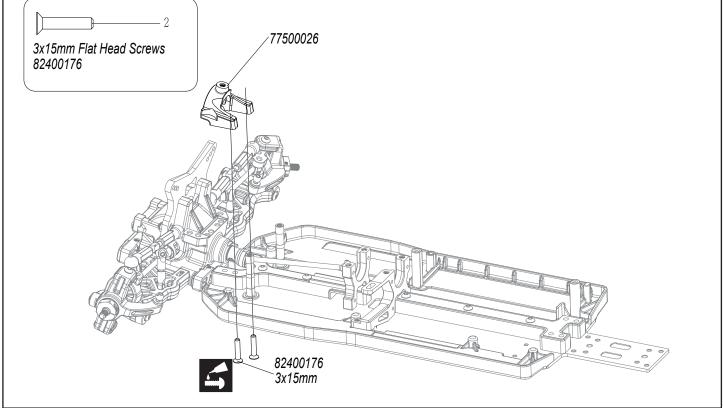


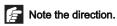




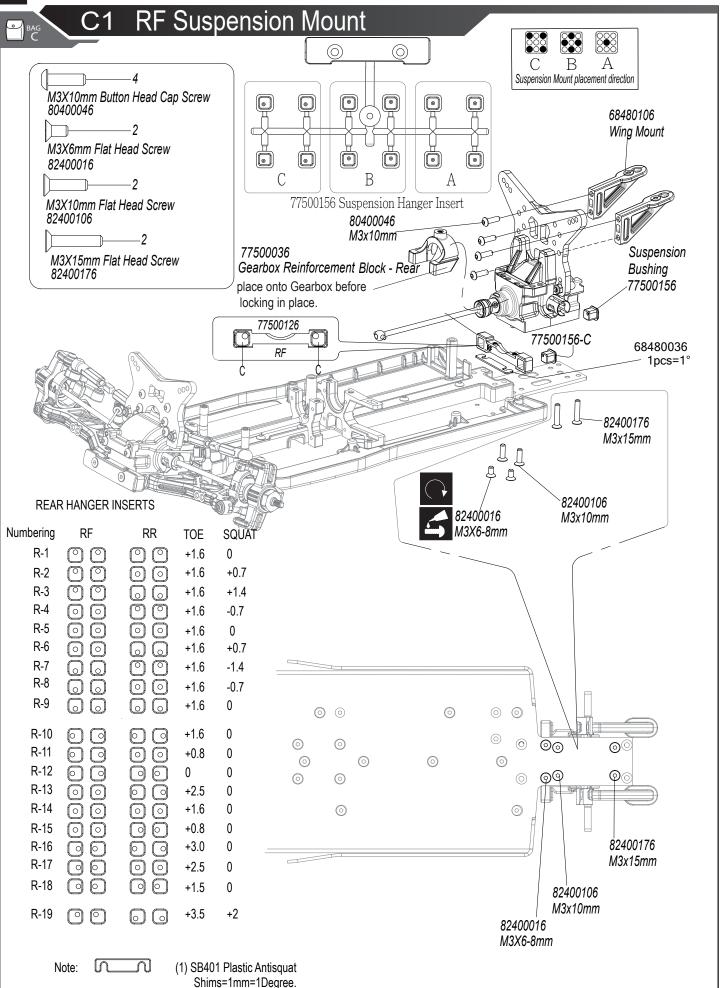




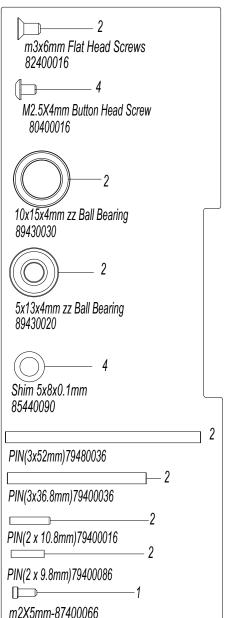




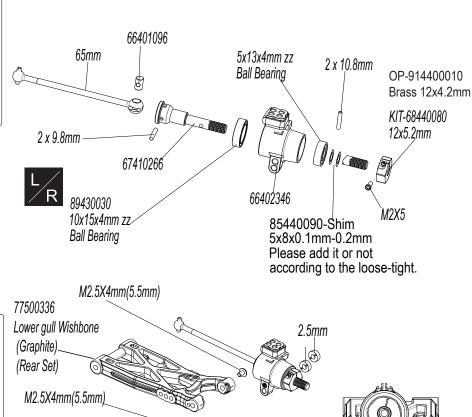




## Rear Left Hub Carrier Assmebly

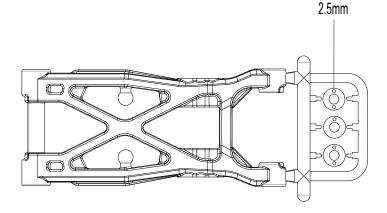


### Assemble the right left side in the same manner.



Front

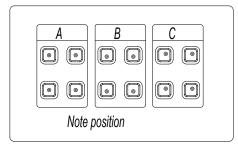
2.5mm



(3x36.8mm)



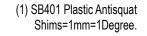
# Rear Left Hub Carrier Assmebly

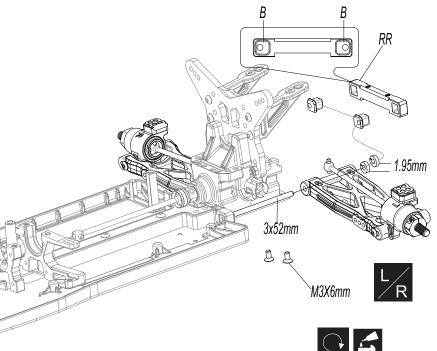


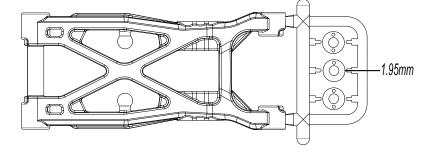
#### **REAR HANGER INSERTS**

Numbering	RF	RR	TOE	SQUAT
R-1			+1.6	0
R-2	ŌŌ	ō ō	+1.6	+0.7
R-3	$\bar{\bigcirc}$		+1.6	+1.4
R-4			+1.6	-0.7
R-5	$\odot$		+1.6	0
R-6			+1.6	+0.7
R-7			+1.6	-1.4
R-8			+1.6	-0.7
R-9			+1.6	0
R-10			+1.6	0
R-11			+0.8	0
R-12			0	0
R-13	$\odot$		+2.5	0
R-14			+1.6	0
R-15	$\odot$		+0.8	0
R-16			+3.0	0
R-17		$\odot$	+2.5	0
R-18			+1.5	0
R-19			+3.5	+2

Note:

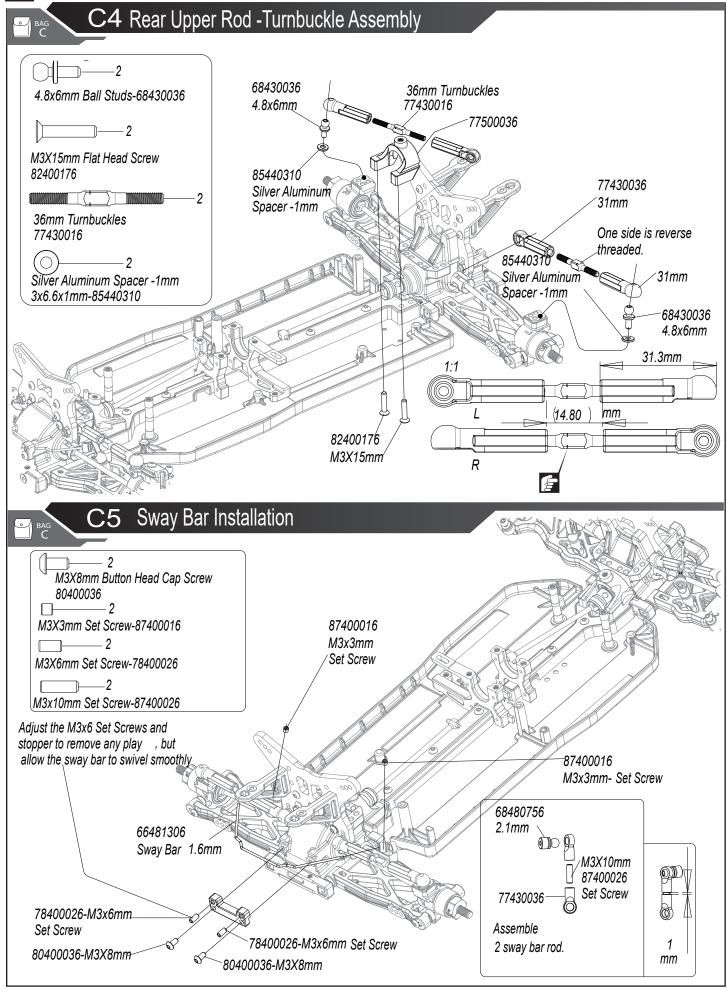








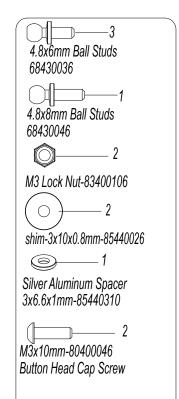


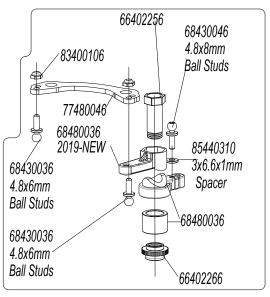


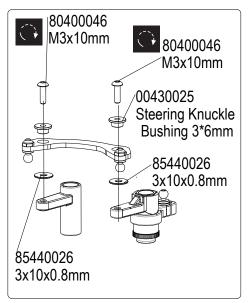


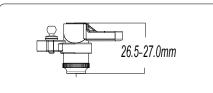


### **Bell Crank Installation**

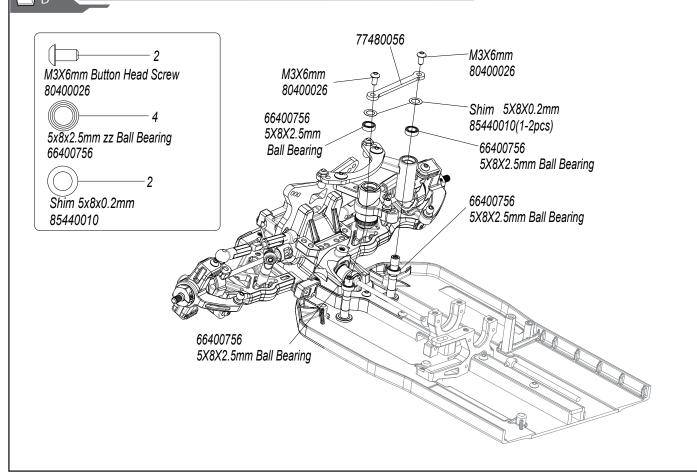


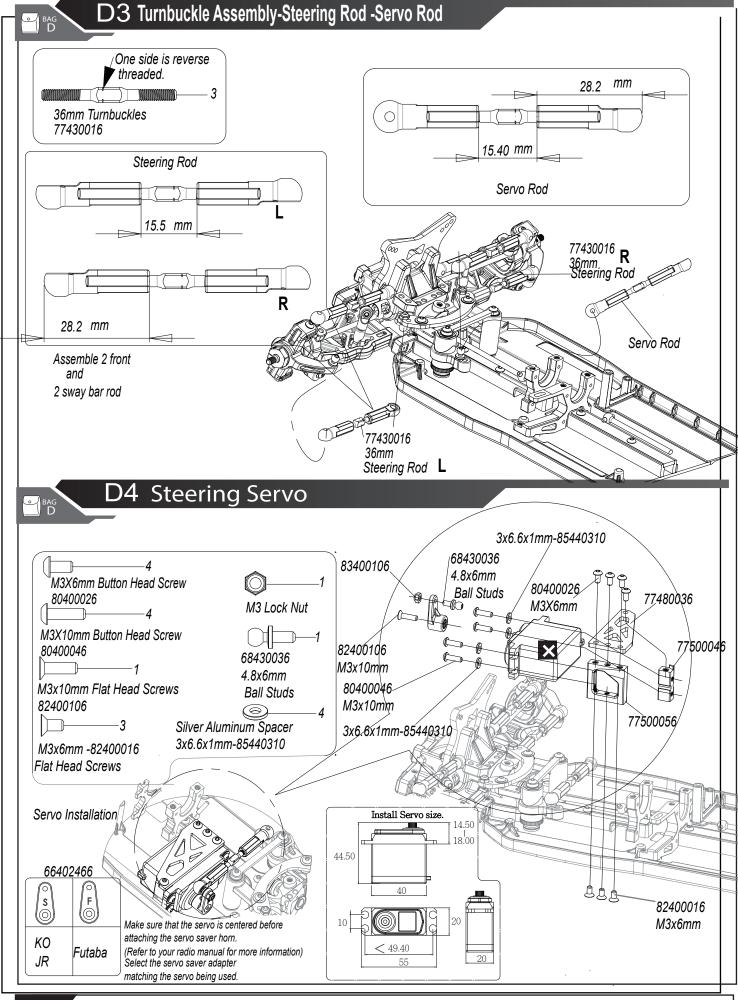




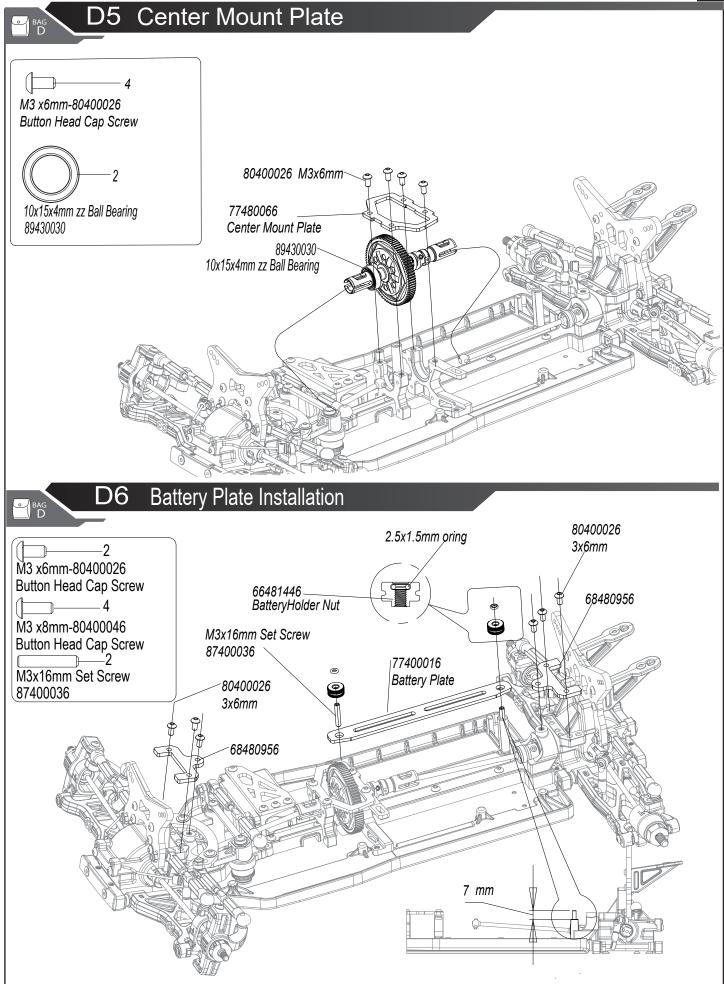


## Steering

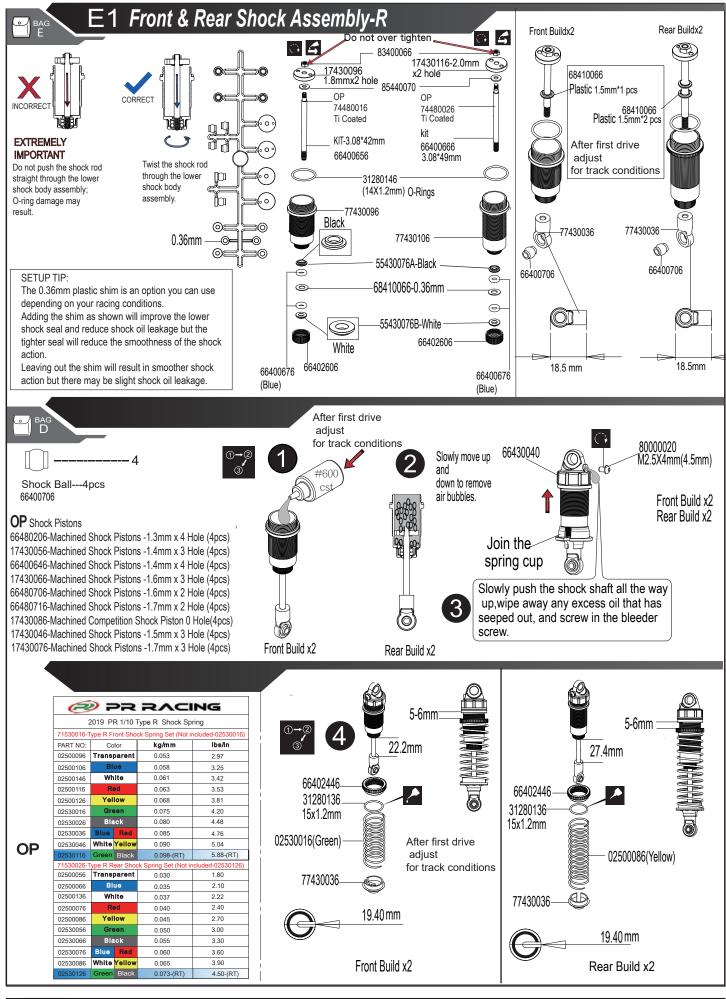




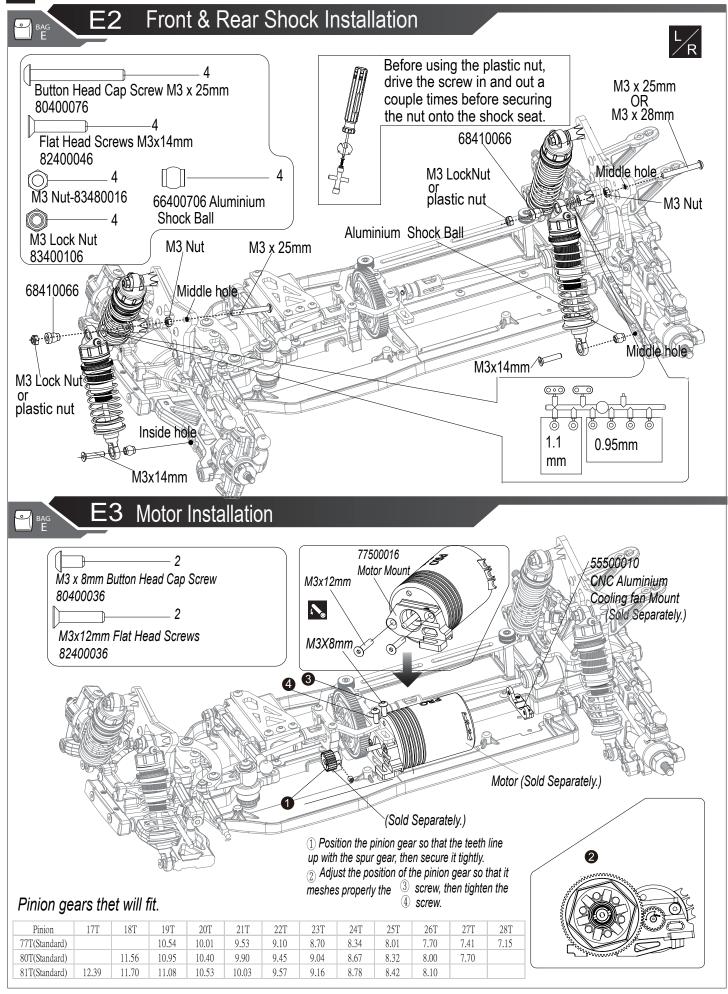


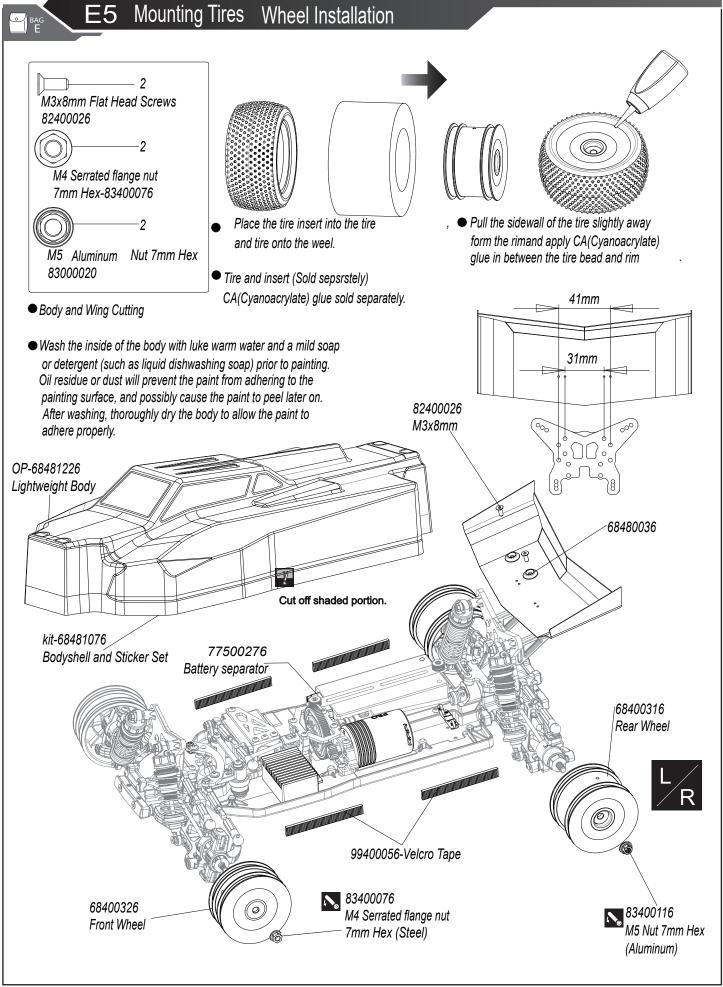




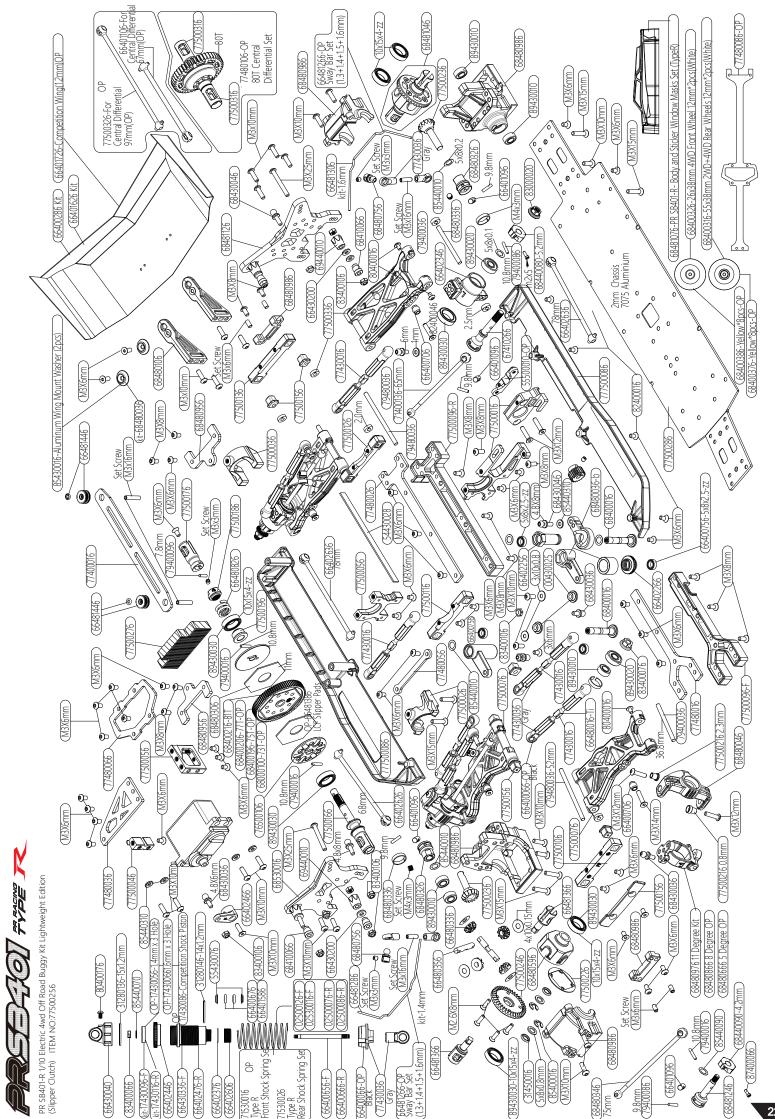


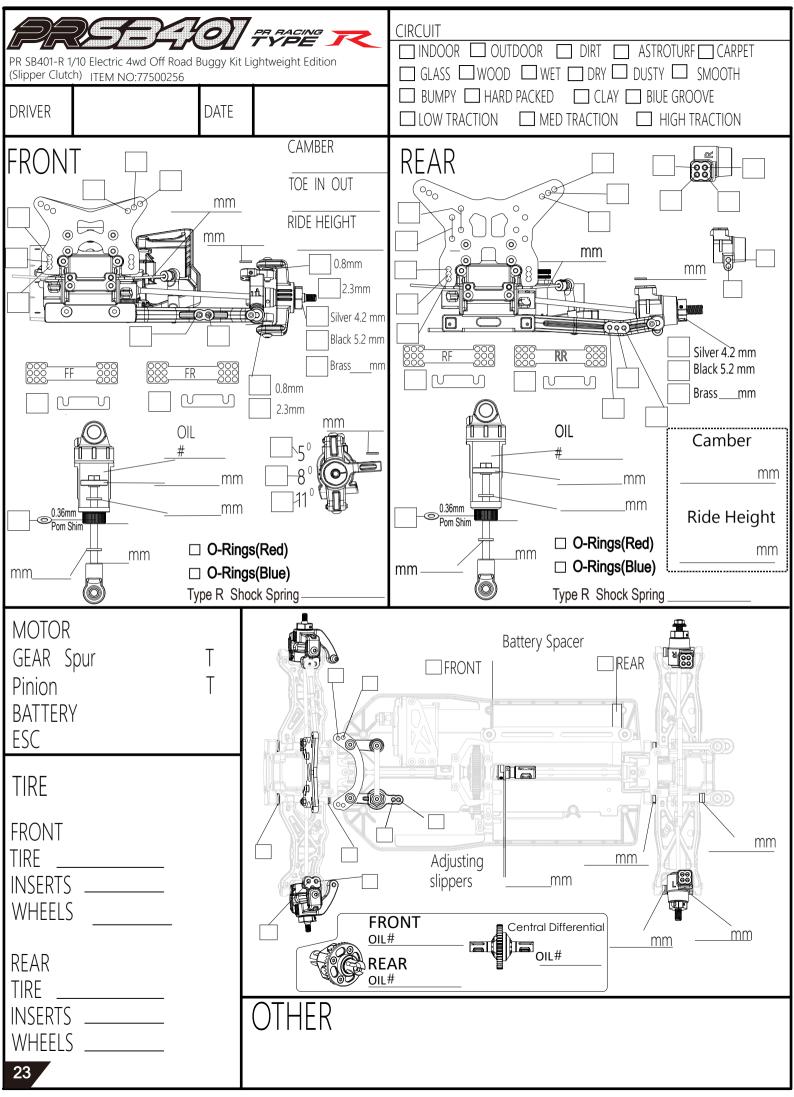












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NOTE



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