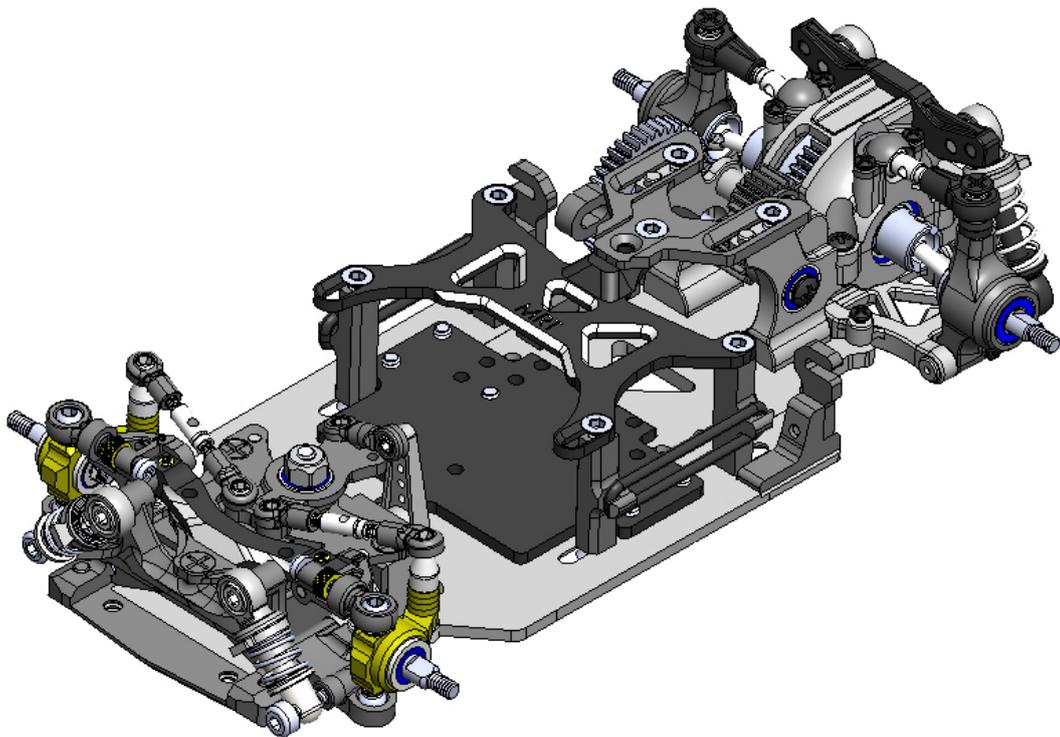
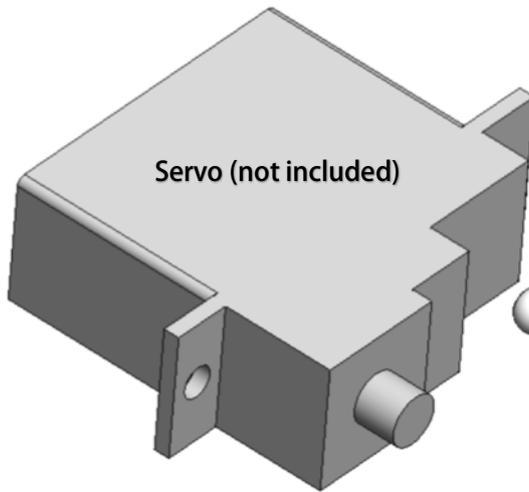


## 1:28 Mini Rear Wheel Drive Touring Car Chassis

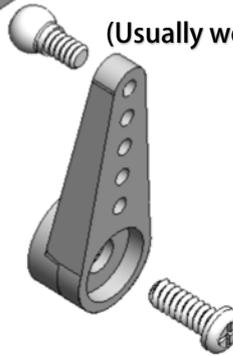


## 01 - Servo Horn (Open Bag 1, 2, 3, 4, 5)



MRT suitable servos:  
size within 20.0(W) \* 18.0(L) \* 8.5 (H) mm

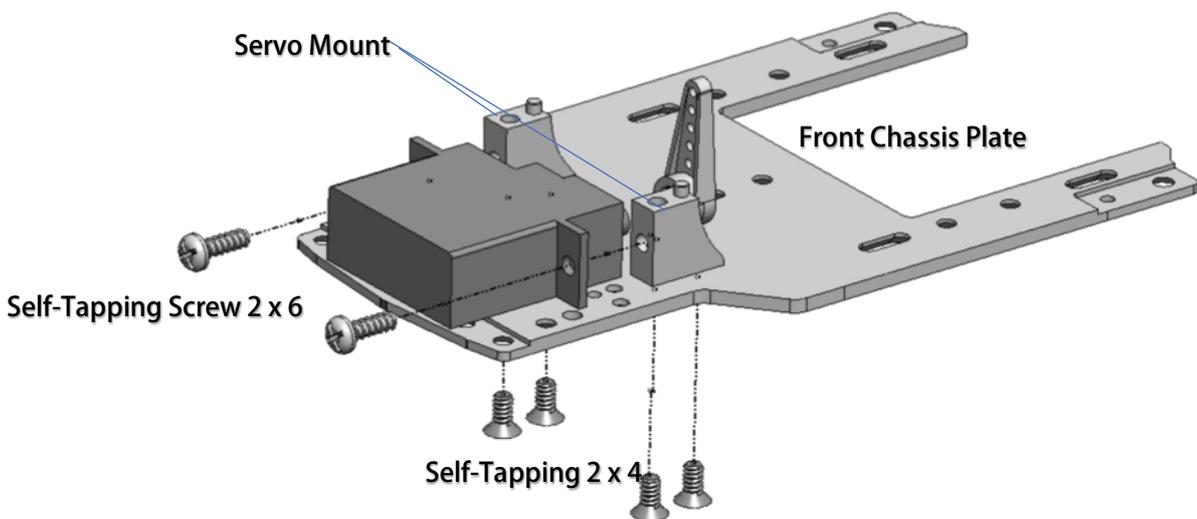
2.5mm Steel Ball Head, M1.4 thread  
(Usually we use the 1<sup>st</sup> of 2<sup>nd</sup> hole of horn)



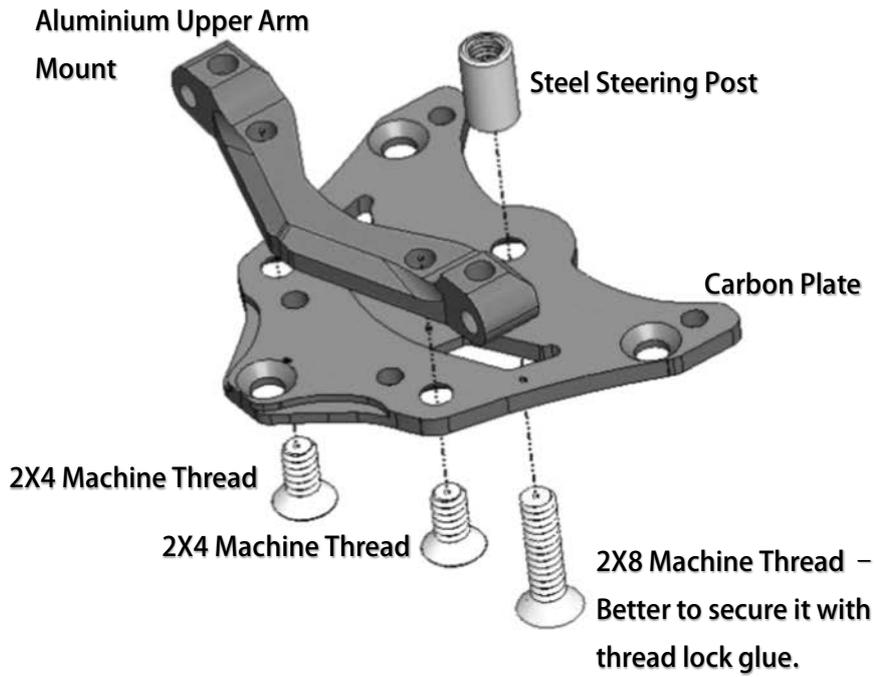
Before Fixing the servo horn, first connect the Servo to the receiver and power on the system to make sure the servo is at neutral position.

Please use the screw and servo horn that come with the servo.

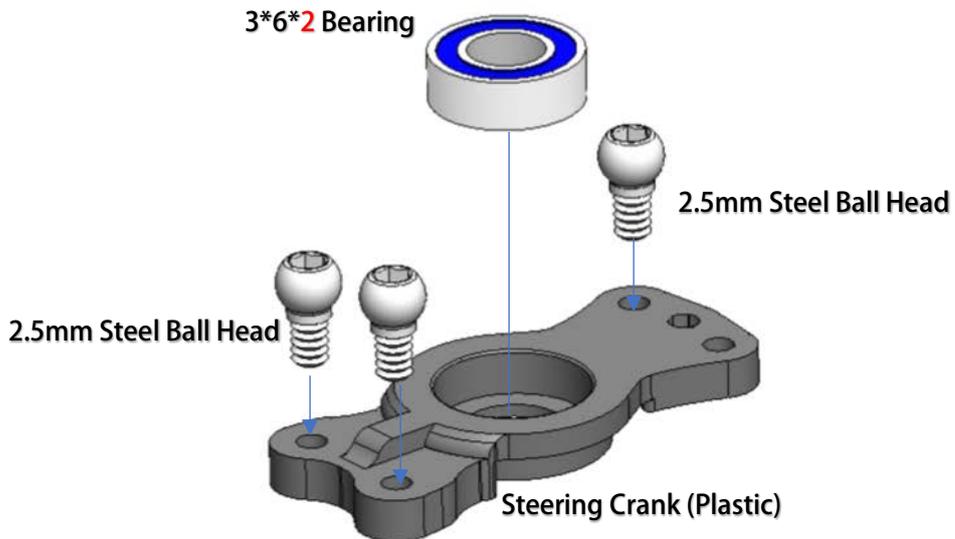
## 02 - Servo Installation



### 03 Steering System (Open Bag 6)

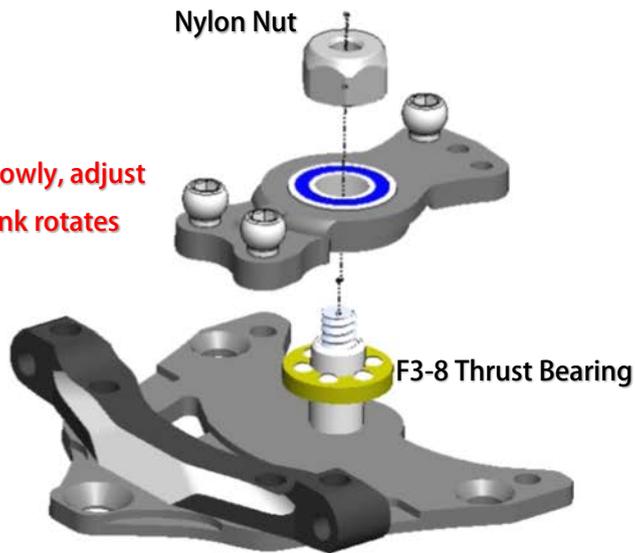


### 04 Steering Crank (Open Bag 7)

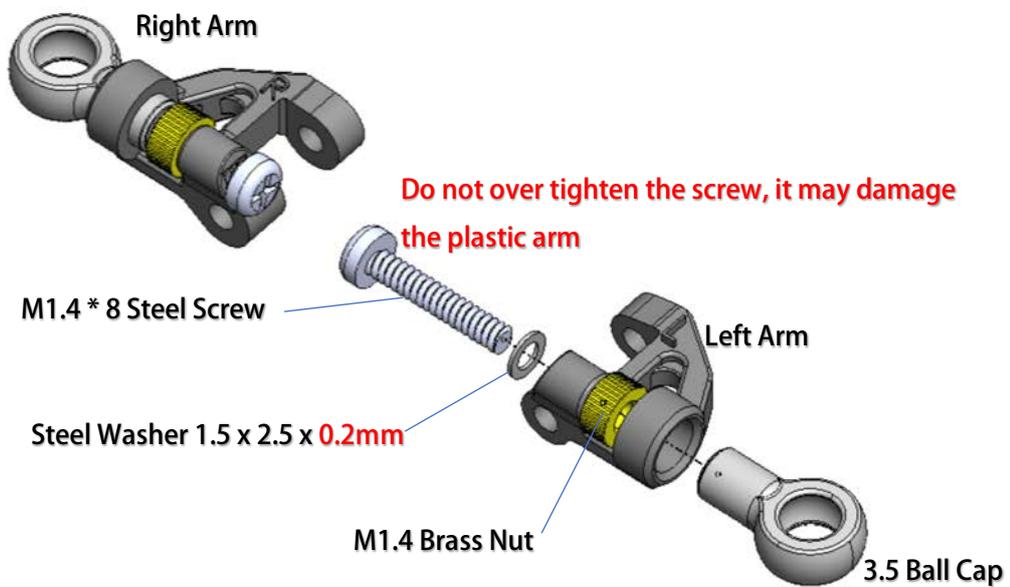


## 05 Steering Crank

Tighten the Nylon nut slowly, adjust it and make sure the crank rotates smooth and no wobble.

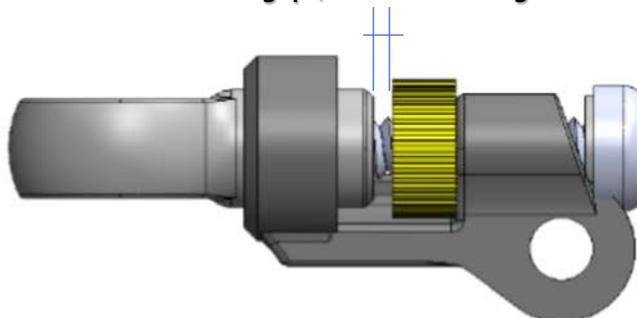


## 06 Upper Arms

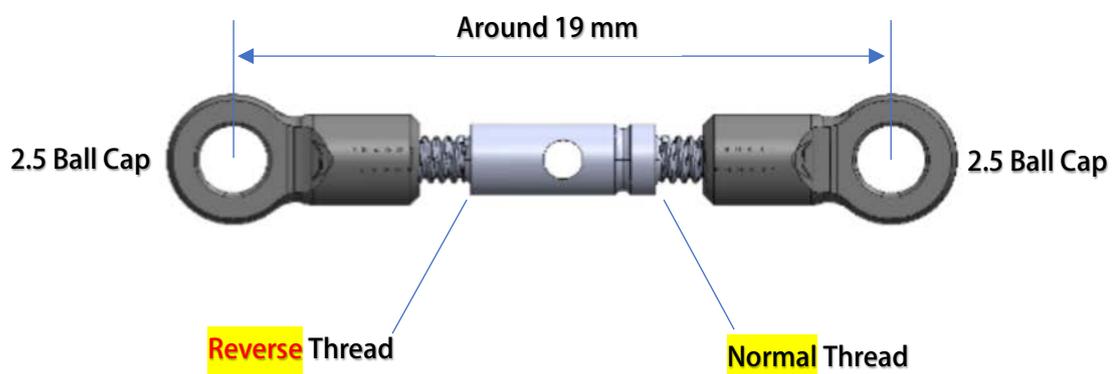


## 06 Upper Arms Camber

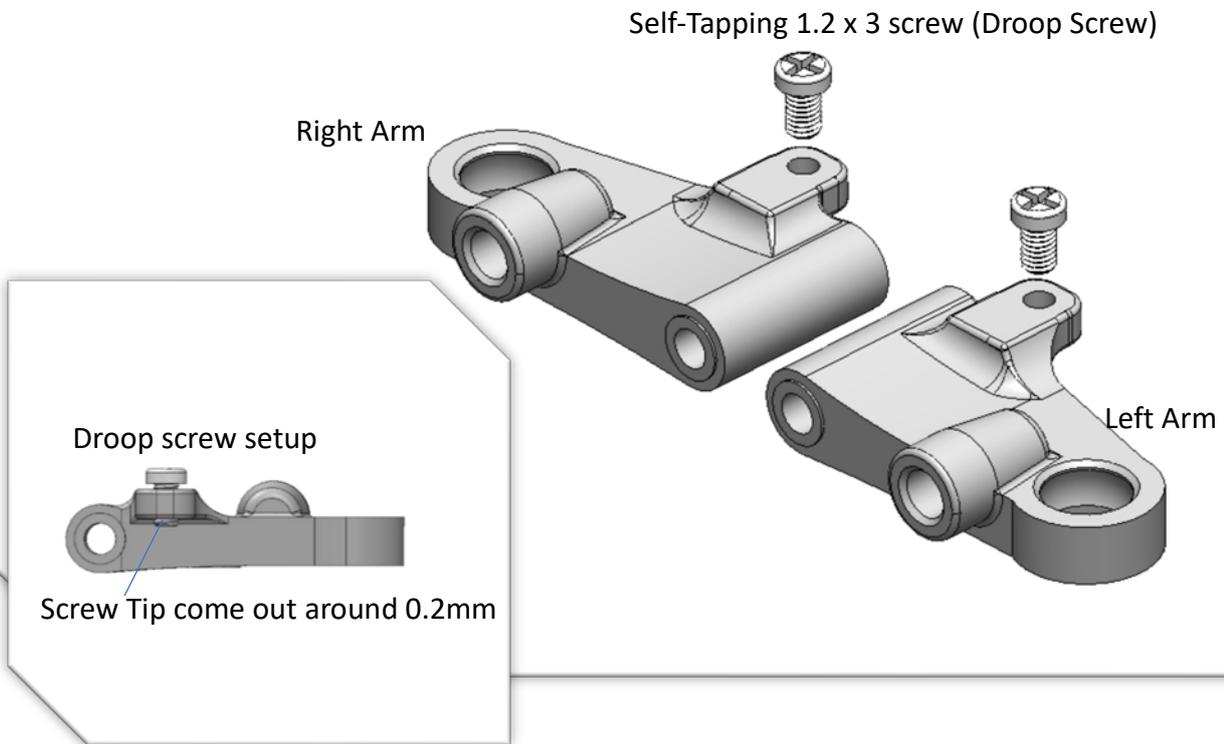
Leave around 0.2mm gap (its about 1.5-degree camber angle)



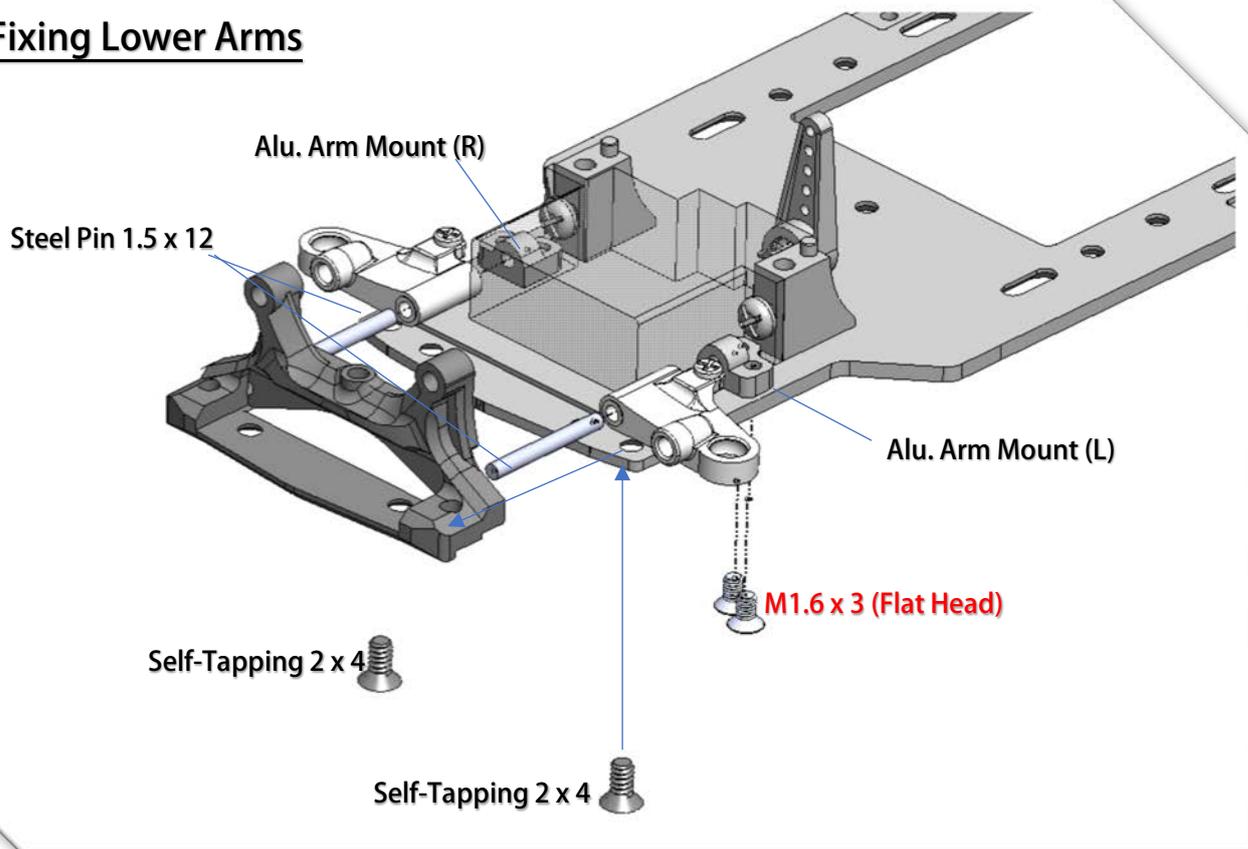
## 07 Steering Linkages (Build 2 sets)



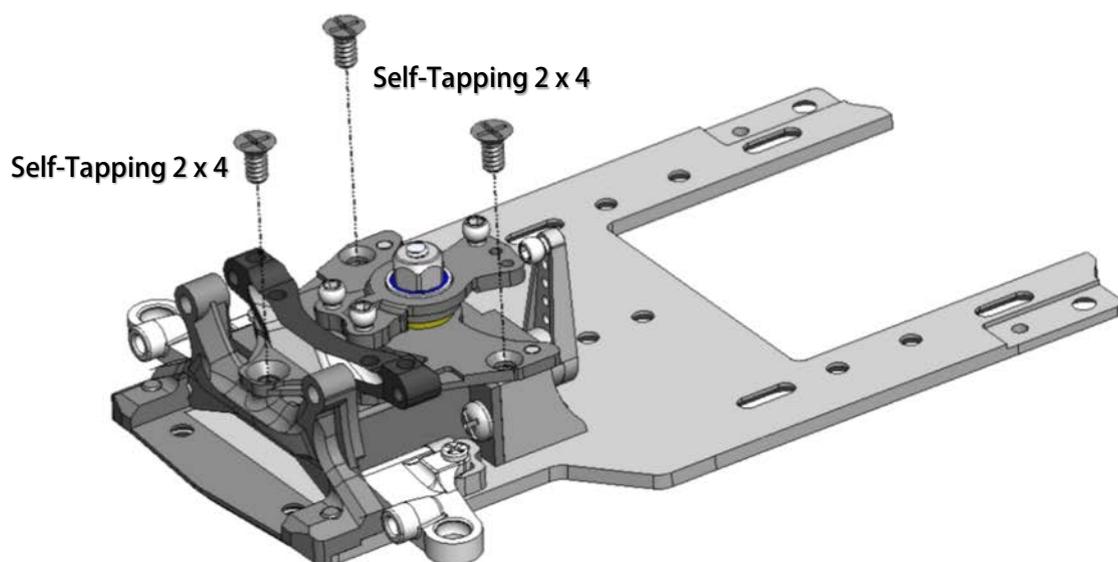
### 08 Lower Arms (open Bag 8)



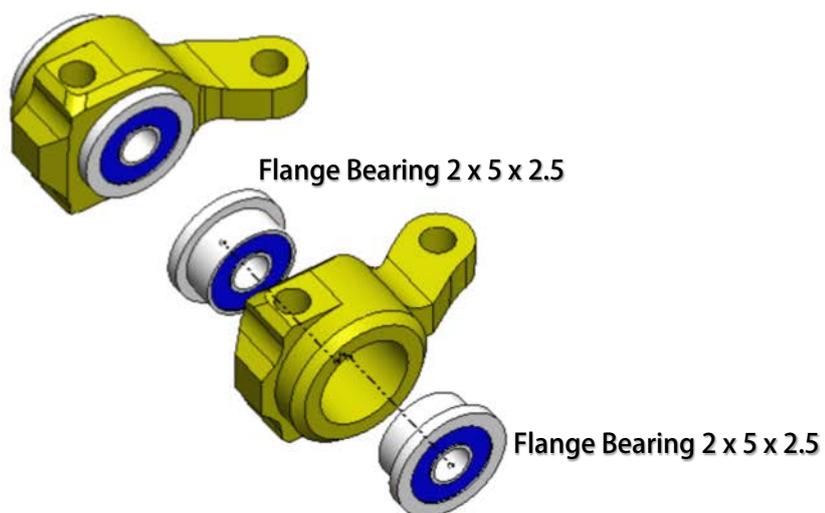
### 09 Fixing Lower Arms



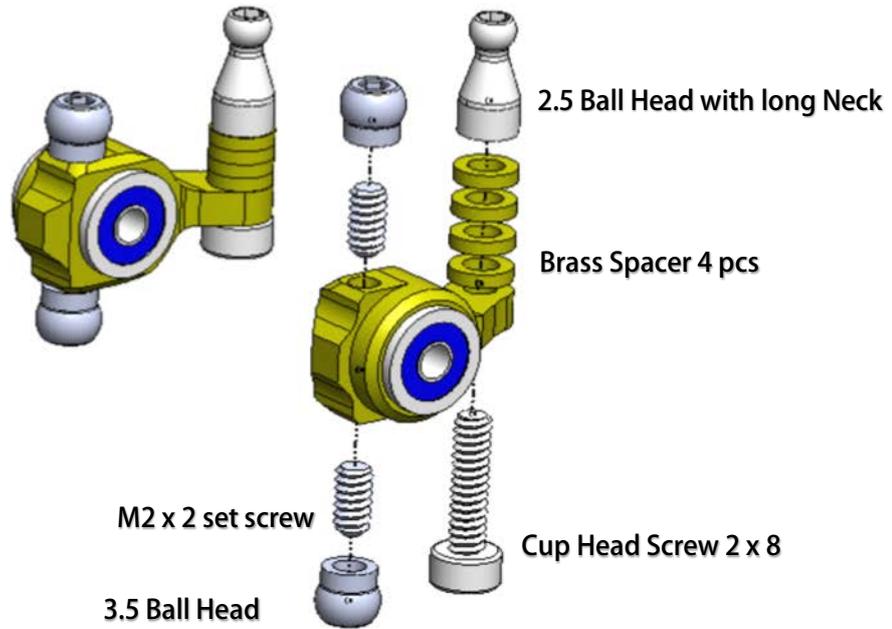
## ⑩ Fixing Steering Plate



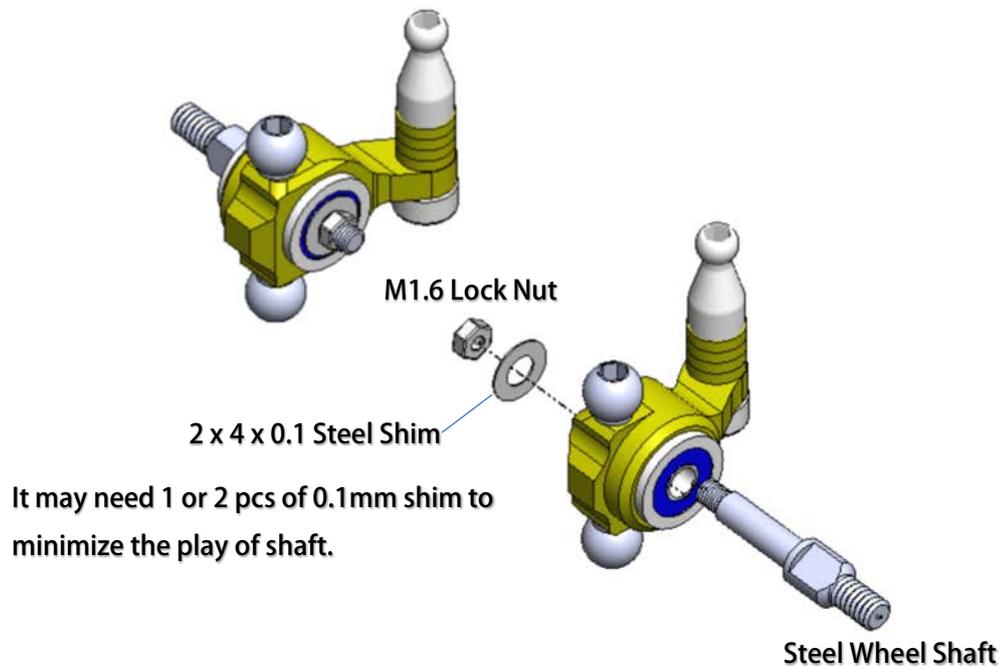
## ⑪ Front Knuckles



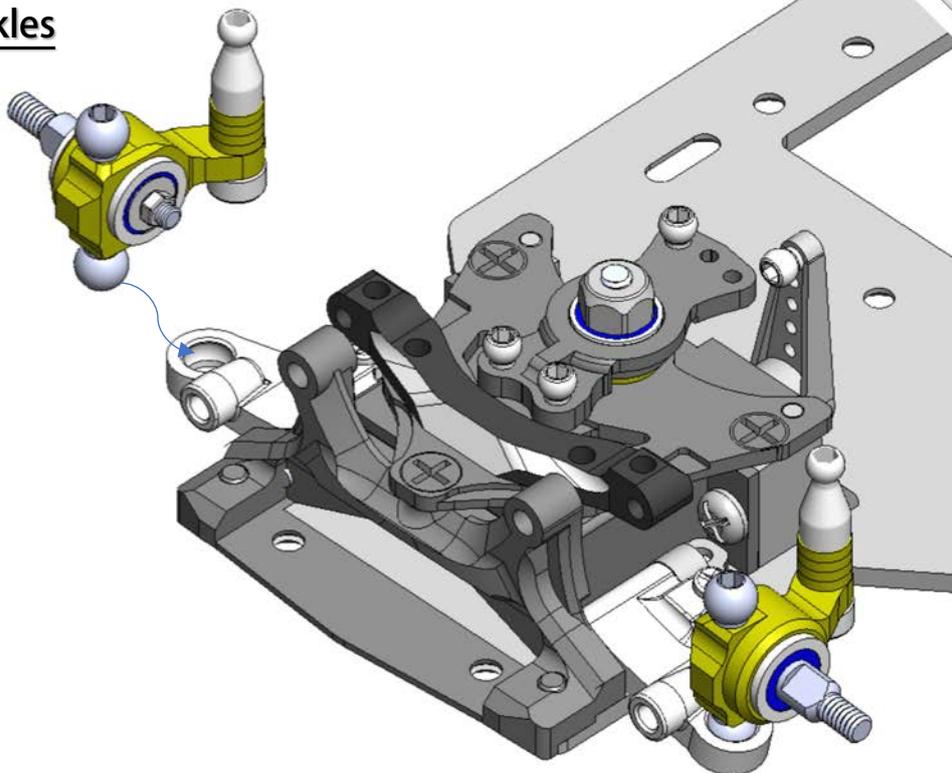
## 12 Front Knuckles



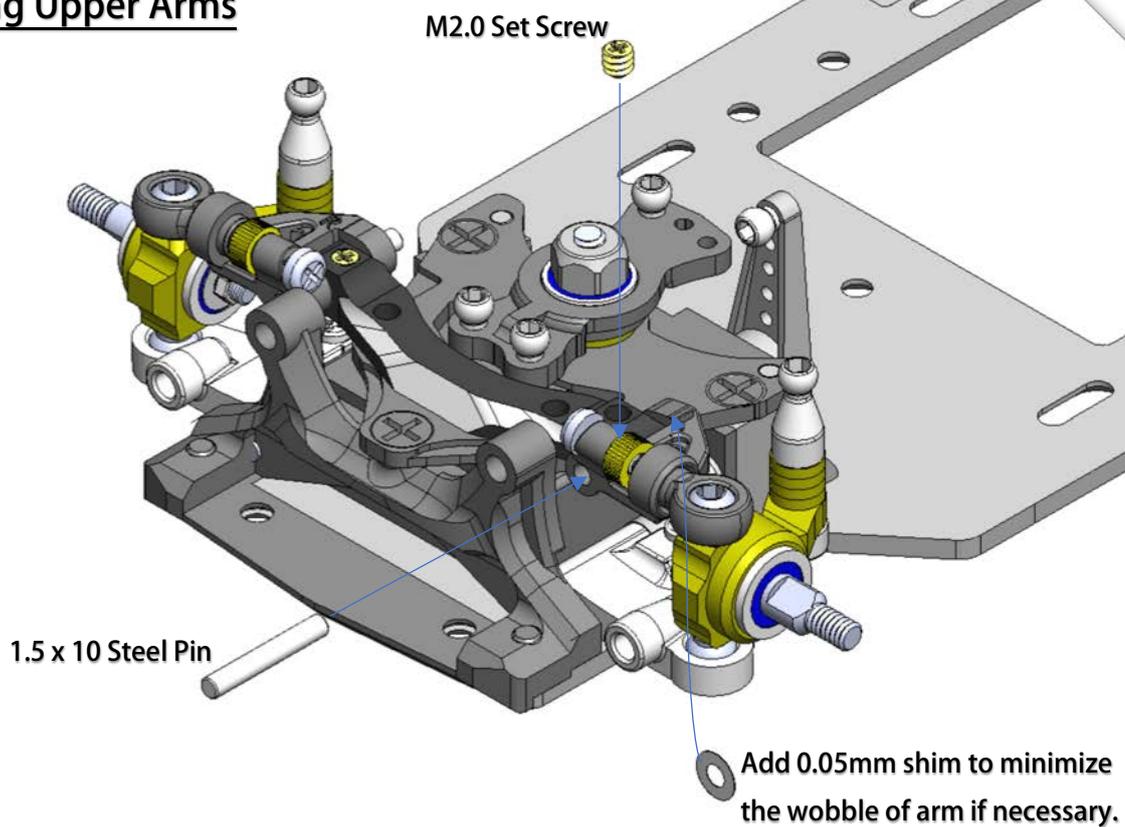
## 13 Front Wheel Shaft



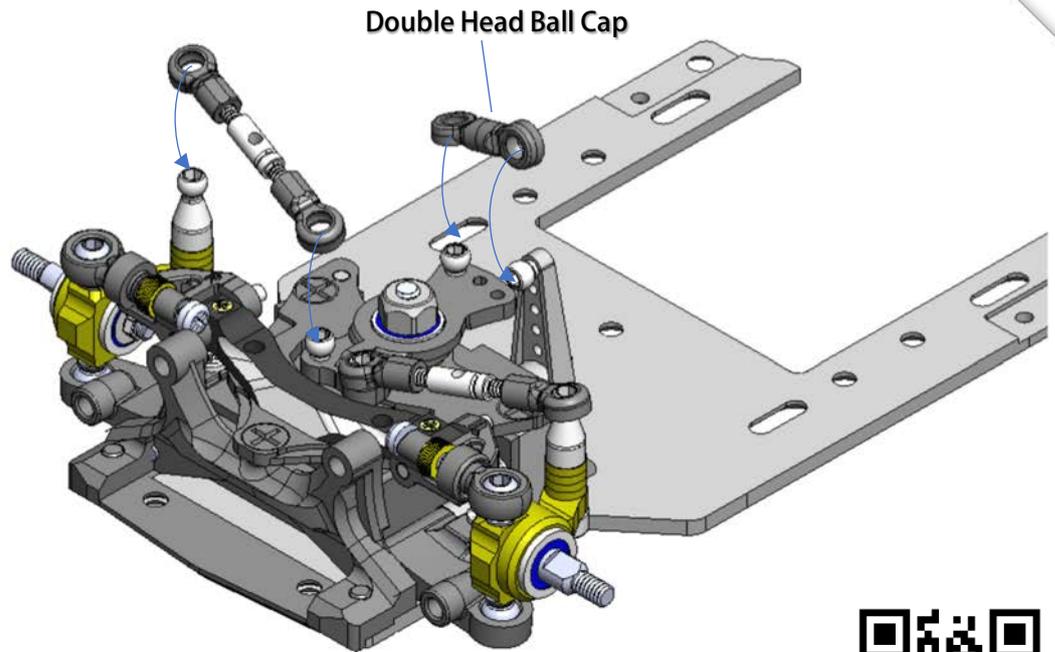
**14** Fixing Knuckles



**15** Fixing Upper Arms



## 16 Fixing Linkages

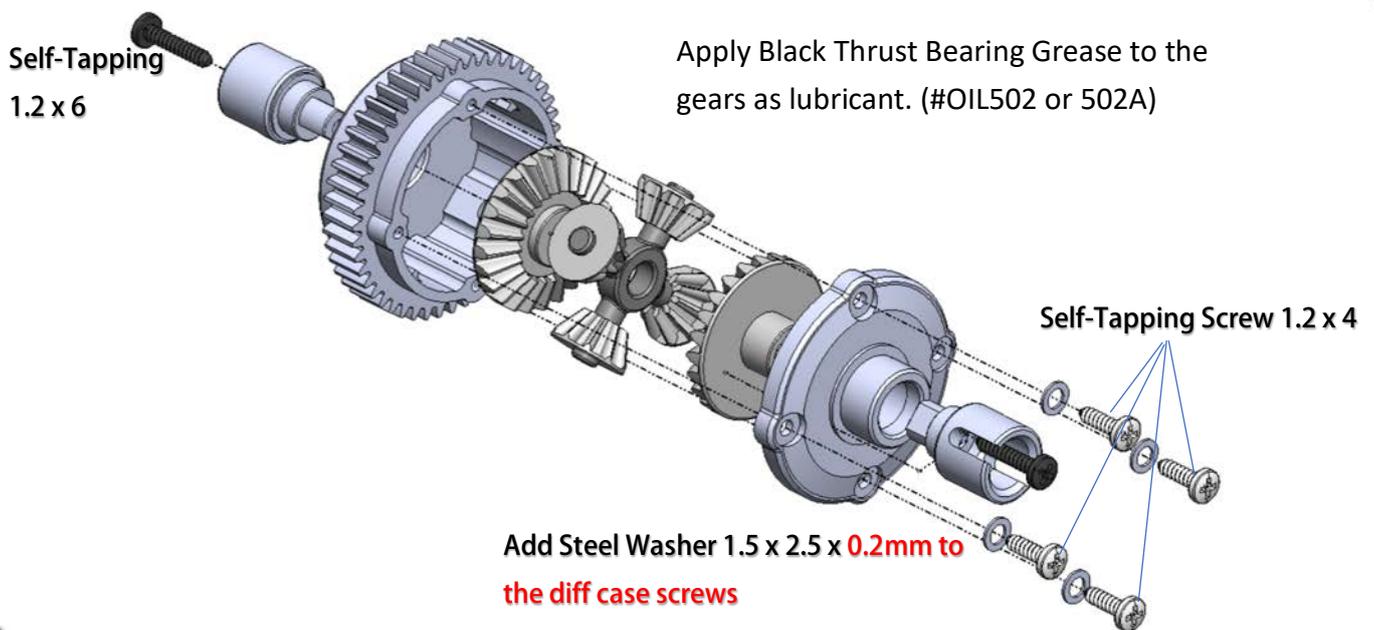


**Video:** Scan this QR Code to see how to make the ball caps rotate smoothly.

[https://www.youtube.com/watch?feature=youtu.be&v=RMhkoIUS\\_og](https://www.youtube.com/watch?feature=youtu.be&v=RMhkoIUS_og)



## 17 Gear Differential (open Bag 9)



Self-Tapping  
1.2 x 6

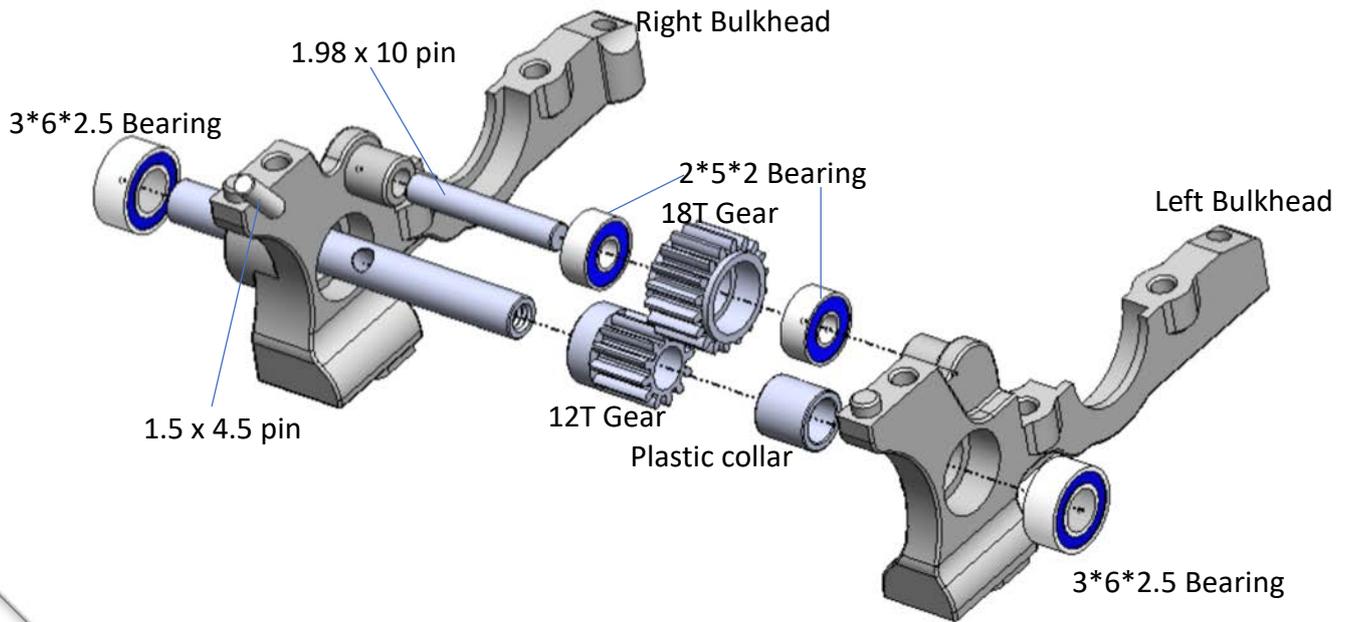
Apply Black Thrust Bearing Grease to the gears as lubricant. (#OIL502 or 502A)

Self-Tapping Screw 1.2 x 4

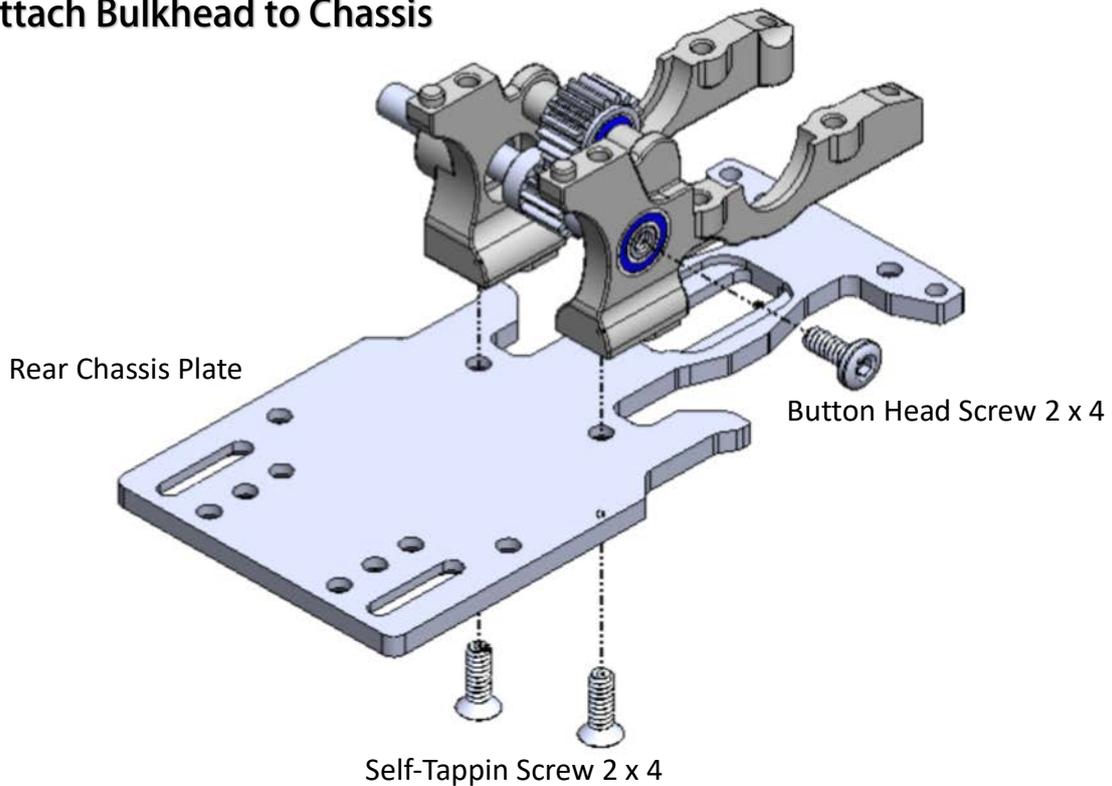
Add Steel Washer 1.5 x 2.5 x 0.2mm to the diff case screws

Loose the screws a little bit if the gear diff is not smooth. Also the gears mesh will be smooth after few battery runs.

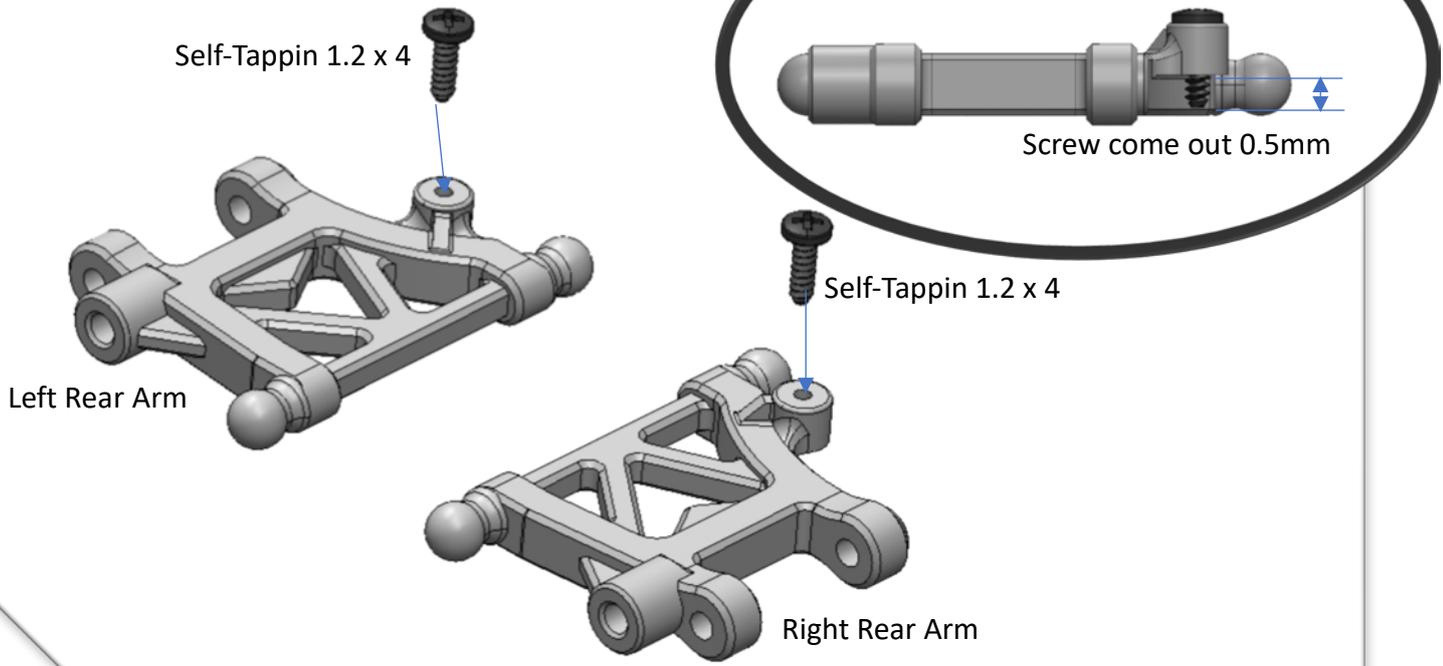
**18** Rear Bulkhead (open Bag 10)



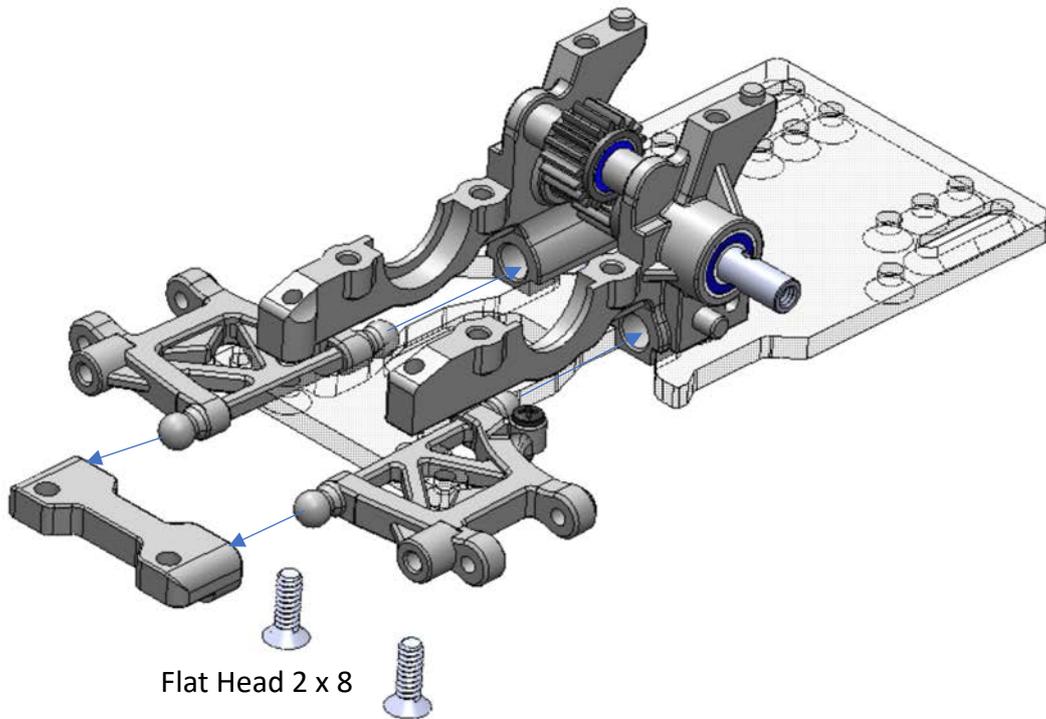
**19** Attach Bulkhead to Chassis



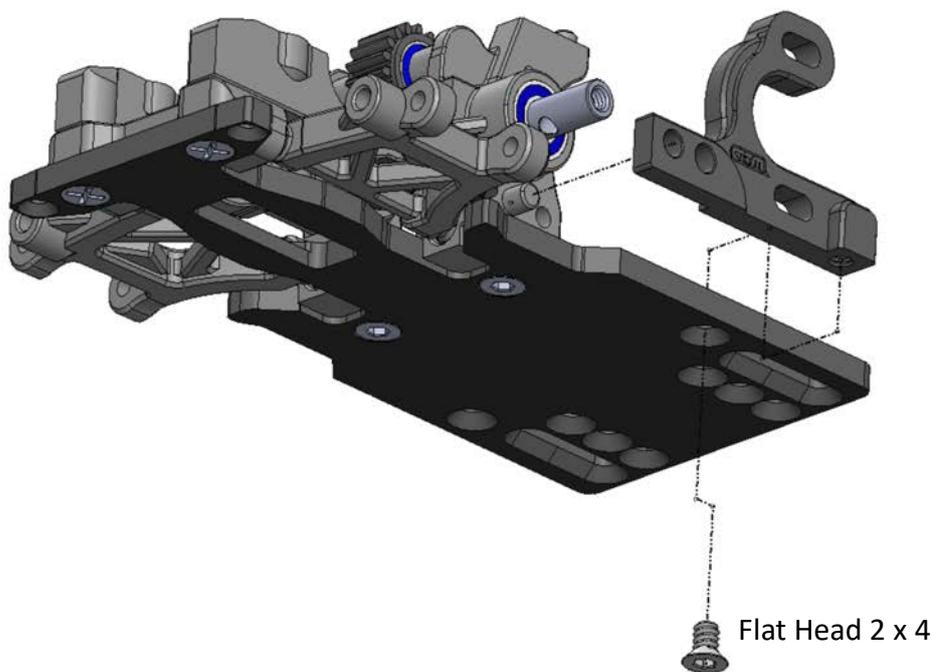
**20 Rear Arms and Droop Screw**



**21 Attach Rear Arms to Bulkhead**



## 22 Motor Mount



## 23 Spur Gear

M2x4

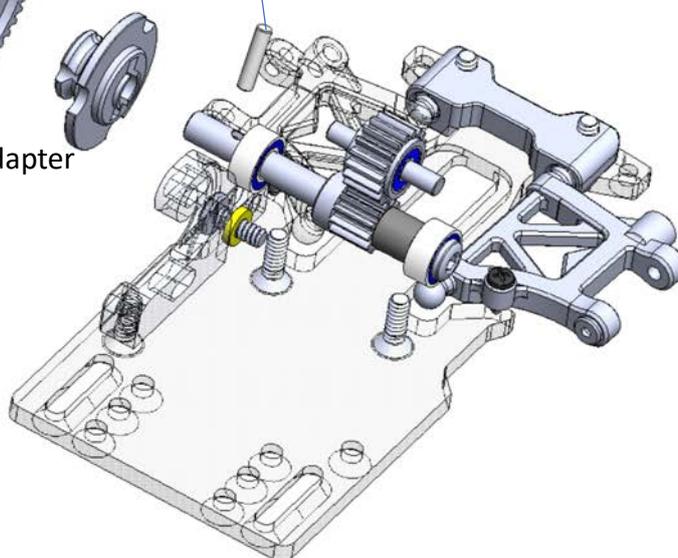
1.5x 6.5 Pin

O-Ring

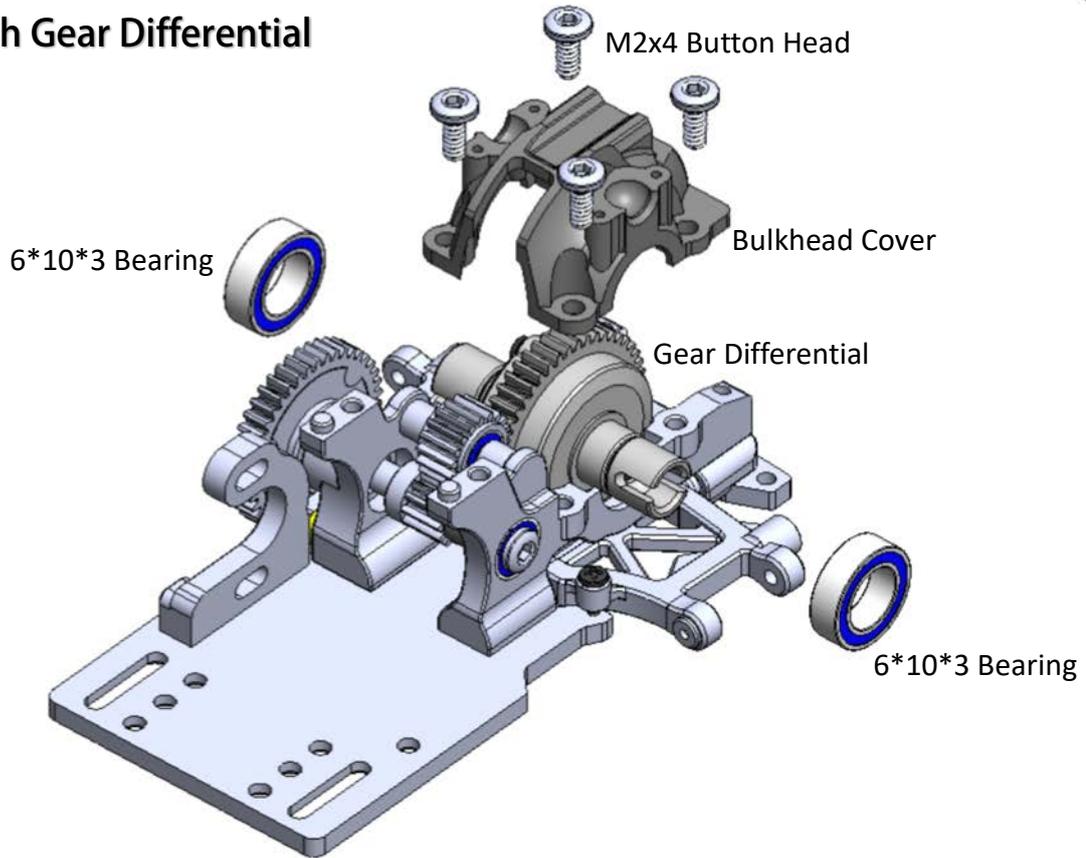
Spur Gear

1.5x 6.5 Pin

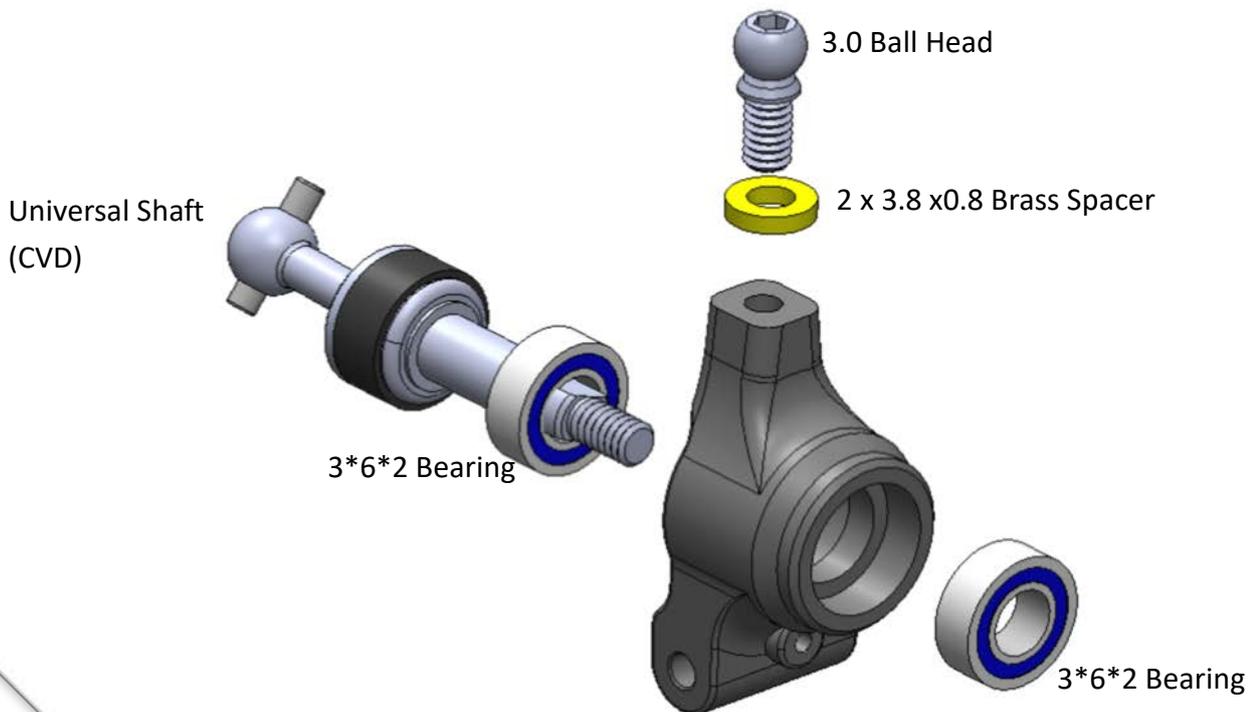
Spur Gear Adapter



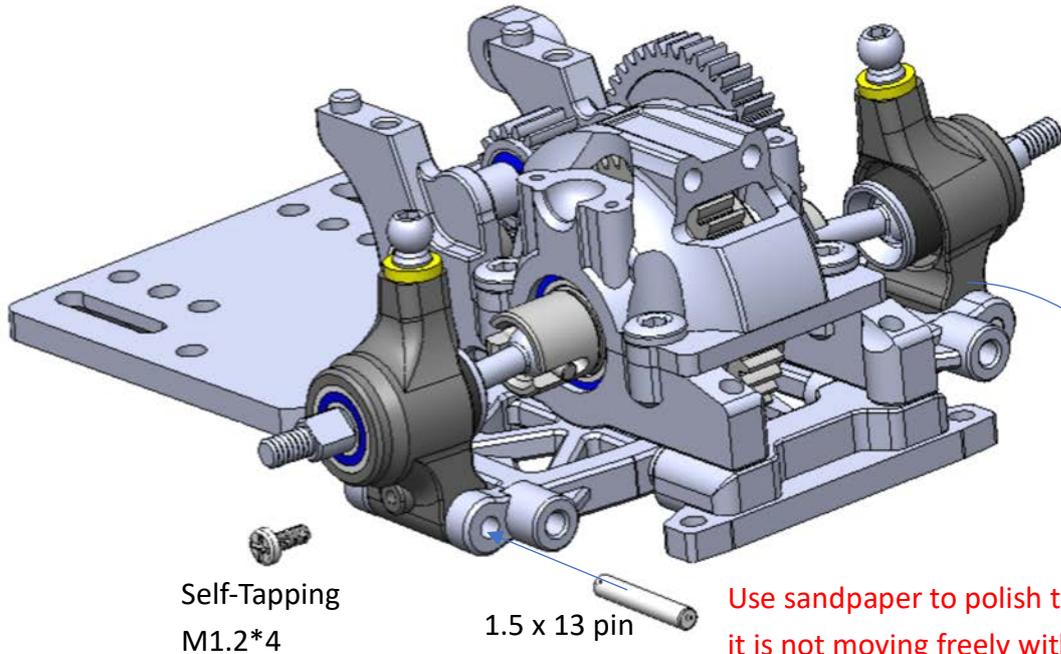
### 24 Attach Gear Differential



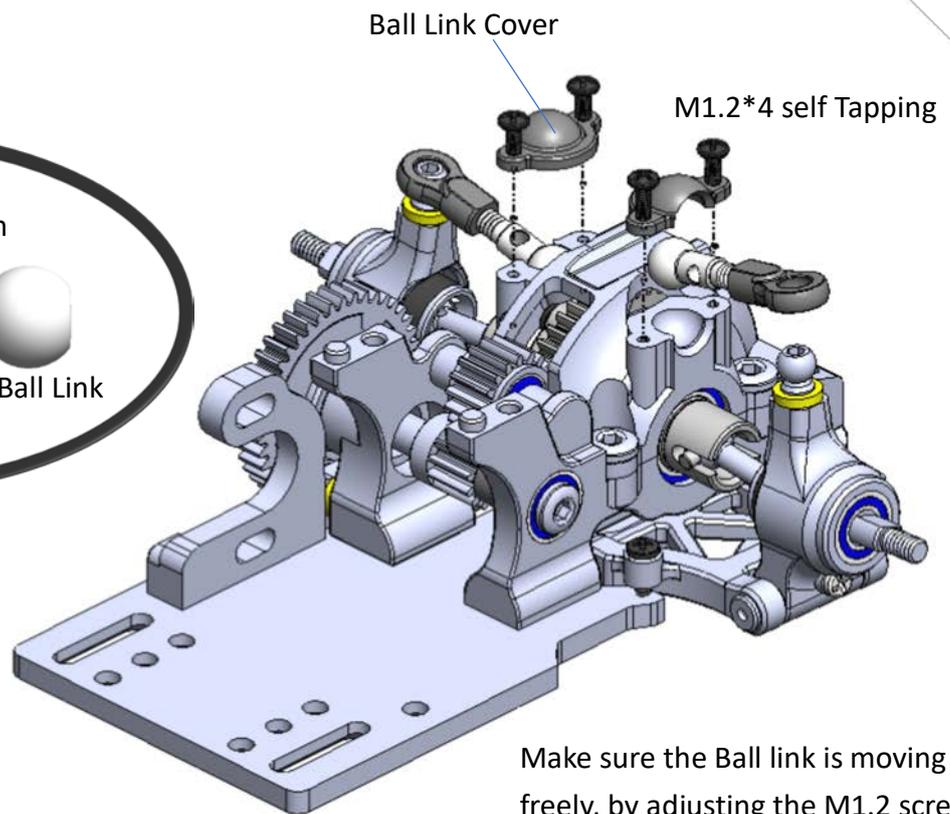
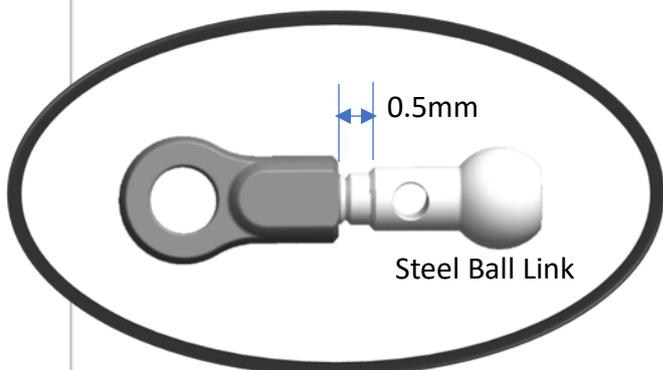
### 25 Rear Wheel Hub (Build 2 sets)



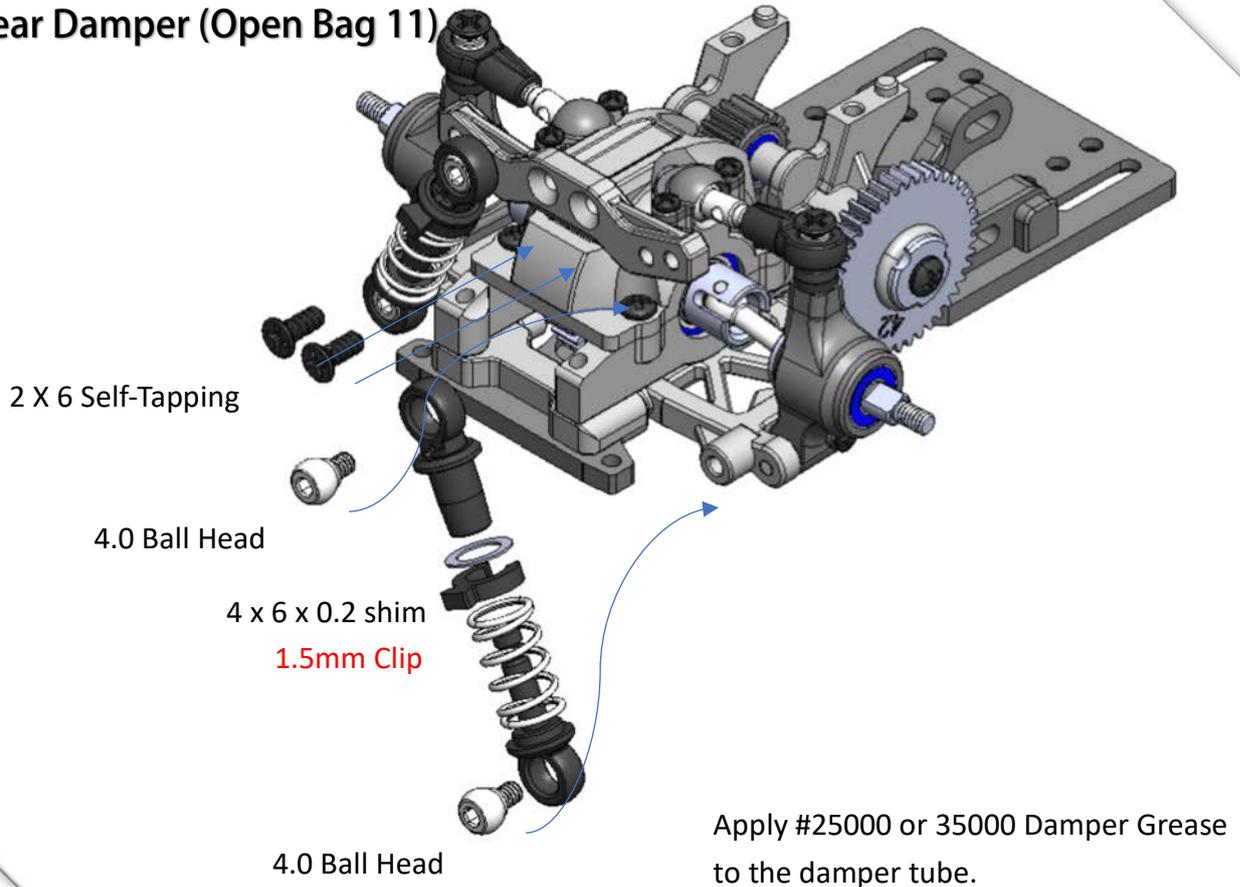
## 26 Rear Wheel Hub



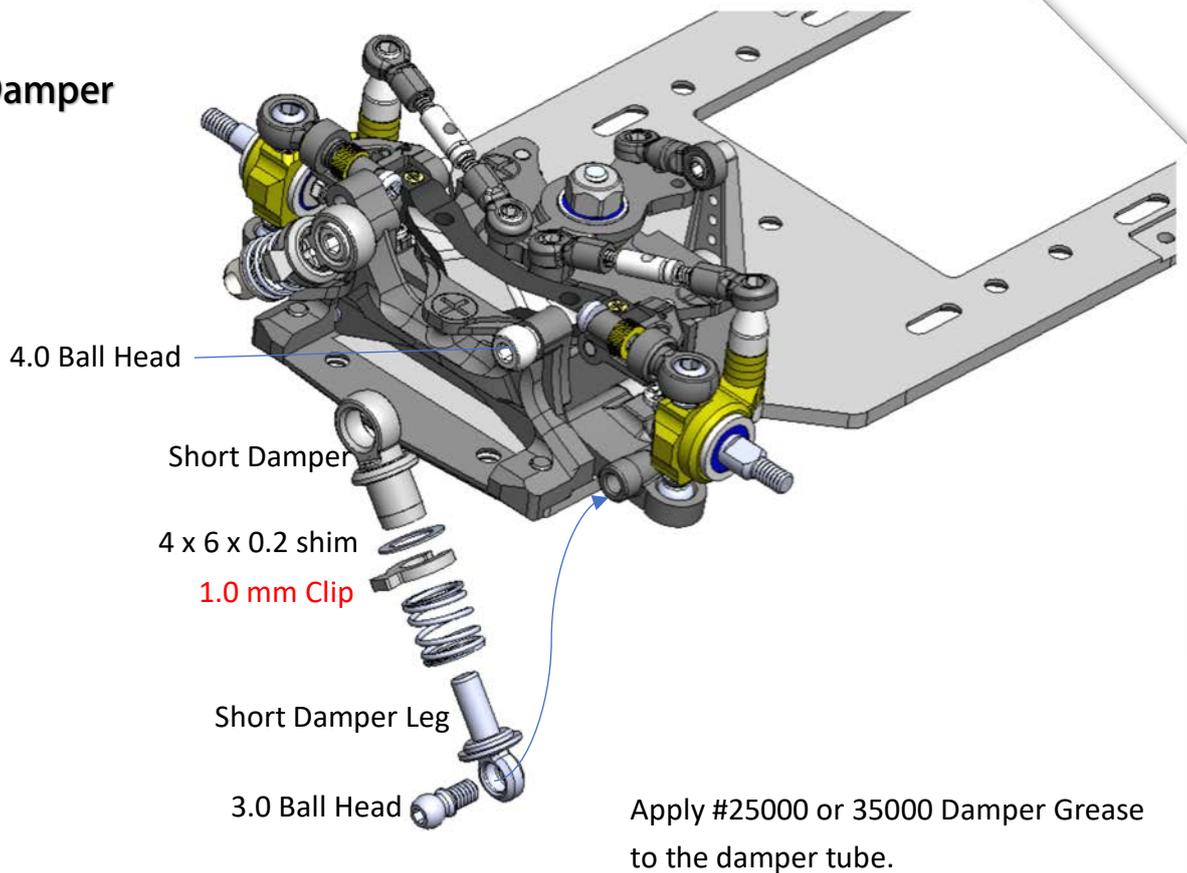
## 27 Camber Link



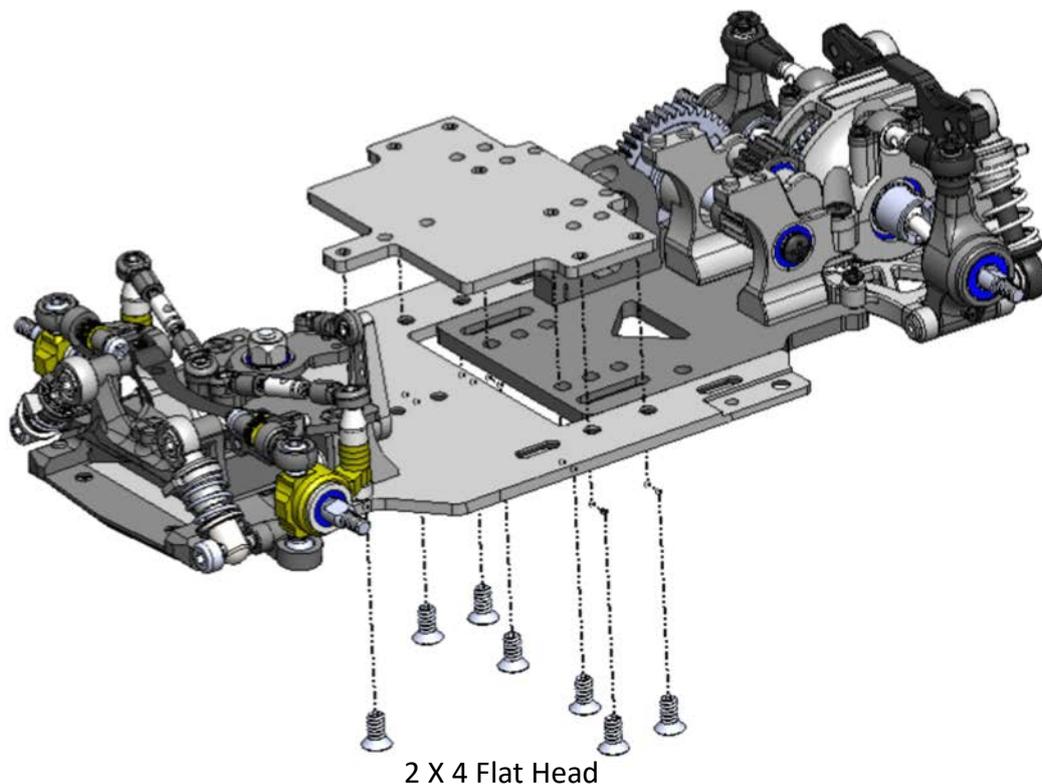
### 28 Rear Damper (Open Bag 11)



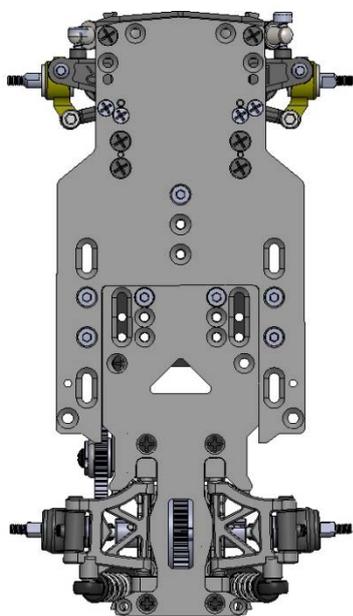
### 29 Front Damper



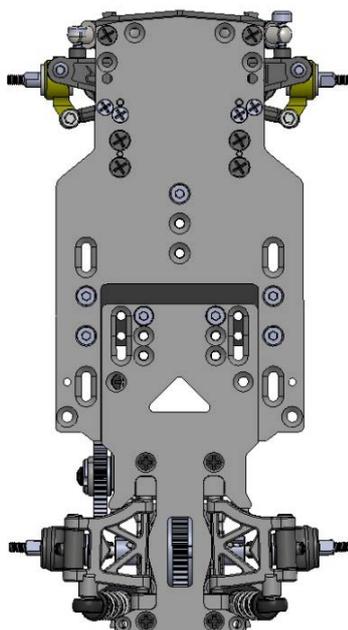
### 30 Bridge Mount



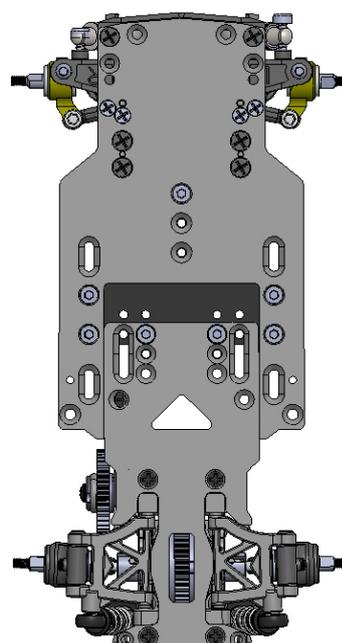
90mm WB



94mm WB

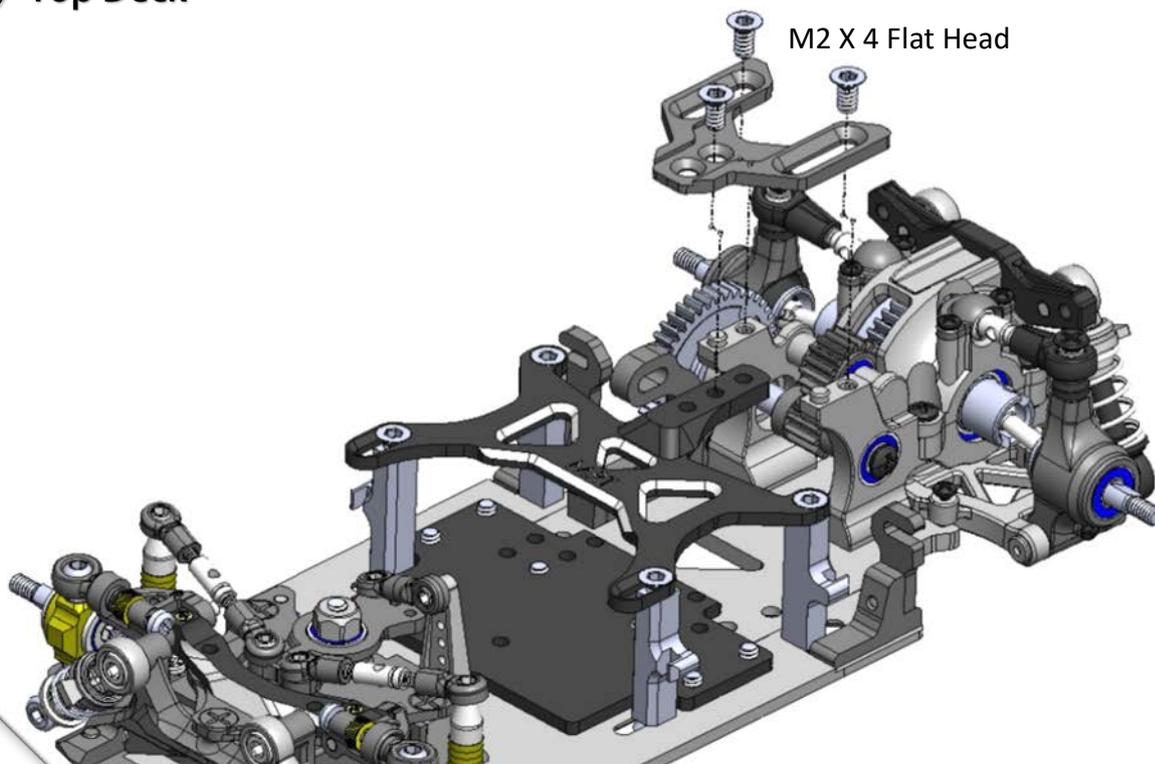


98mm WB

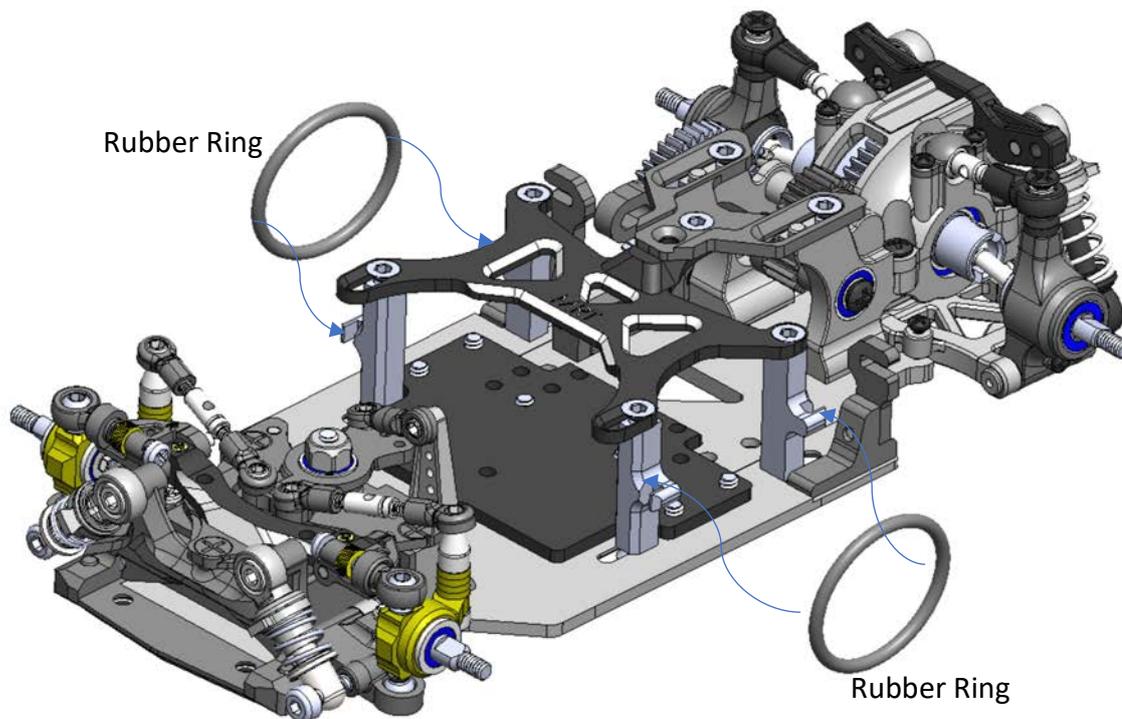


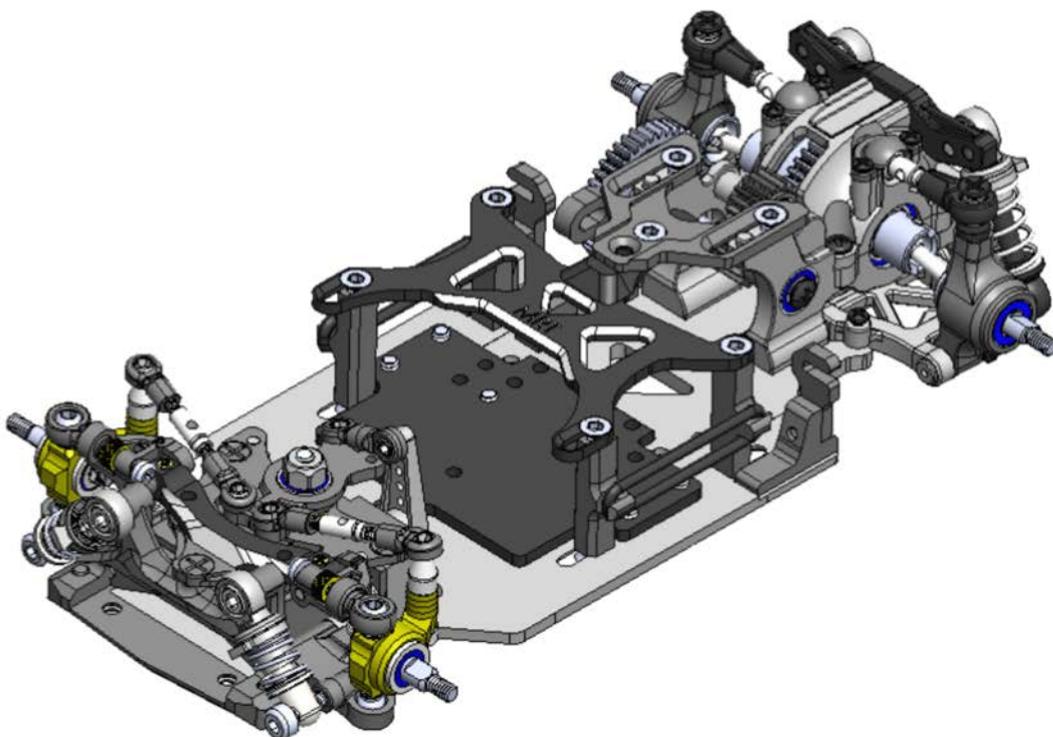


### 33 Top Deck

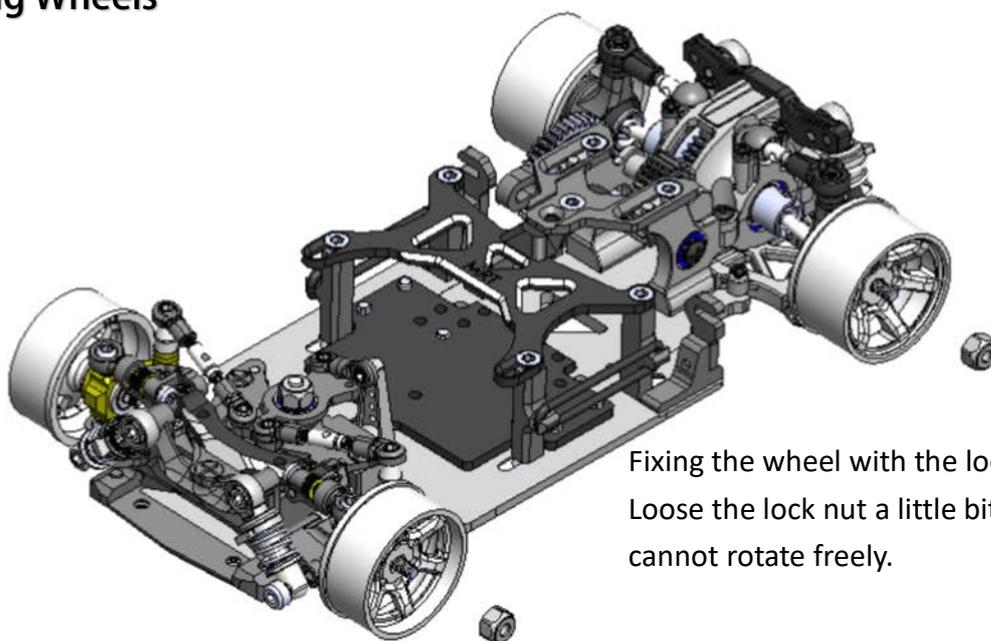


### 34 Battery Mount Oring





### 35 Fixing Wheels

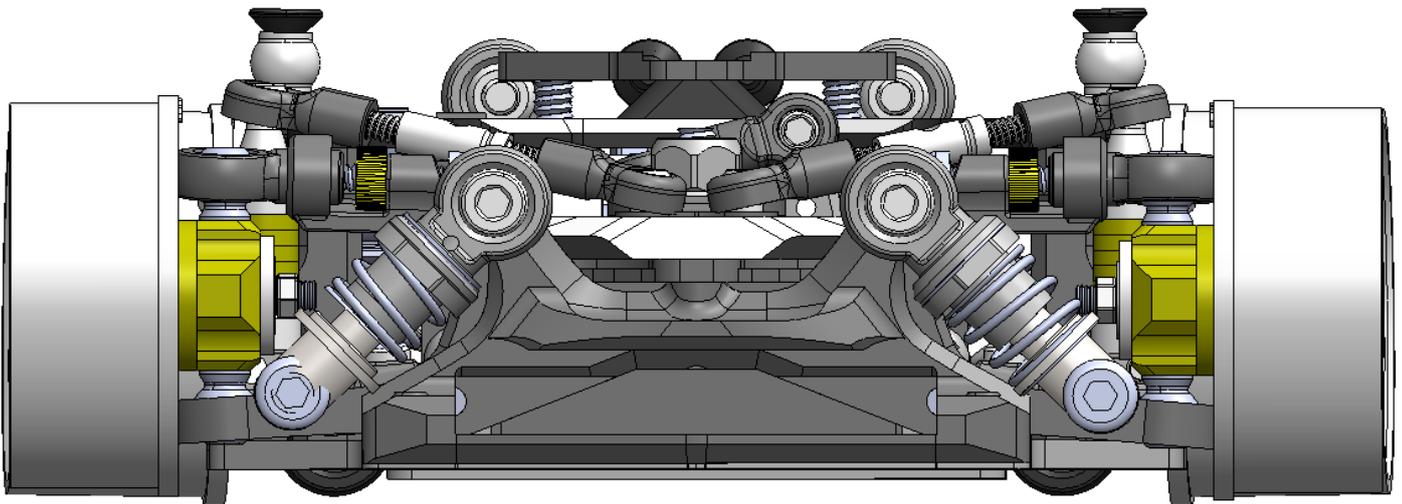
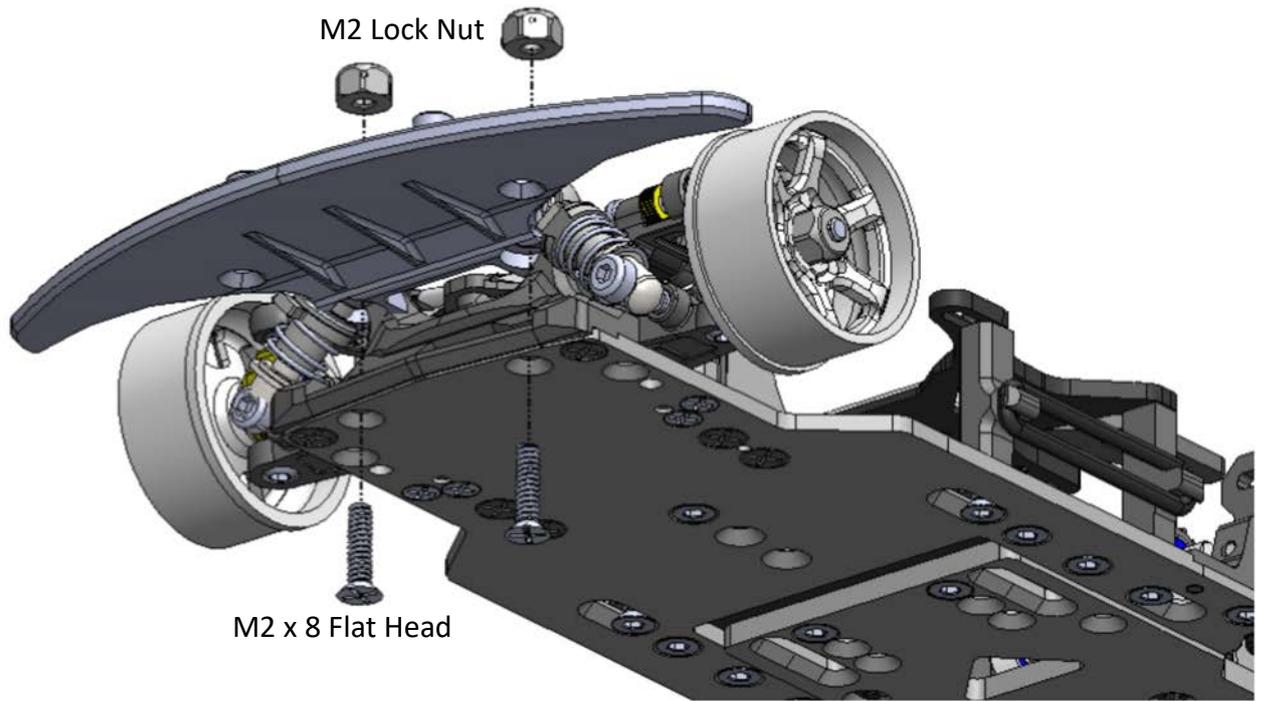


Fixing the wheel with the lock nut.  
Loose the lock nut a little bit if the wheel cannot rotate freely.

**Note:**

When using front wheel which offset smaller than +1.0, please be reminded to adjust the steering travel (EPA) to avoid the front wheel touching the damper leg.

### 36 Fixing Front Bumper / Body Mount



**Setup Note:**

To have a good performance and stable car, the key point is to make sure the left and right lower arms are at same angle.

Also camber angles and spring tensions symmetric left to right.

Gear Ratio	<b>39</b>	<b>40</b>	<b>41</b>	<b>42</b>
<b>19</b>	8.21	8.42	8.63	8.84
<b>20</b>	7.80	8.00	8.20	8.40
<b>21</b>	7.43	7.62	7.81	8.00
<b>22</b>	7.09	7.27	7.45	7.64
<b>23</b>	6.78	6.96	7.13	7.30
<b>24</b>	6.50	6.67	6.83	7.00
<b>25</b>	6.24	6.40	6.56	6.72
<b>26</b>	6.00	6.15	6.31	6.46
<b>27</b>	5.78	5.93	6.07	6.22
<b>28</b>	5.57	5.71	5.86	6.00
<b>29</b>	5.38	5.52	5.66	5.79
<b>30</b>	5.20	5.33	5.47	5.60
<b>31</b>	5.03	5.16	5.29	5.42
<b>32</b>	4.88	5.00	5.13	5.25

6500 kv : Around 6.0 is recommended

5500 kv : Around 5.5

3500 Kv : Around 4.9

	<b>Optional Parts List</b>
MRTP-UP01S	MRT Front Spring SOFT (White)
MRTP-UP01M	MRT Front Spring MID (Yellow)
MRTP-UP01H	MRT Front Spring Hard (Purple)
MRTP-UP01XH	MRT Front Spring Extra Hard (Black)
MRTP-UP02S	MRT Rear Spring SOFT (White)
MRTP-UP02M	MRT Rear Spring MID (Yellow)
MRTP-UP02H	MRT Rear Spring Hard (Purple)
MRTP-UP02XH	MRT Rear Spring Extra Hard (Black)
MRTP-UP03	MRT Brass Chassis (Front 35 gram)
MRTP-UP04	MRT Brass Chassis (Rear 25 gram)
MRTP-UP05	MRT Rear Damper Extension Mount
MRTP-UP06	MRT Front Adjustable Damper
MRTP-UP07	MRT Carbon Rear Shock Tower and Body Post
MRTP-UP07B	MRT Rear Short Damper Set (must use with Carbon Tower)
MRTP-UP08	MRT Front Wide Offset Conversion Set
MRTP-UP09	MRT Rear Alu. Bulkhead
MRTP-UP10	MRT Ball Differential
MRTP-UP10P1	Ball Diff Pressure Plate and spare parts
MRTP-UP10P2	Ball Diff Main Gear (48T)