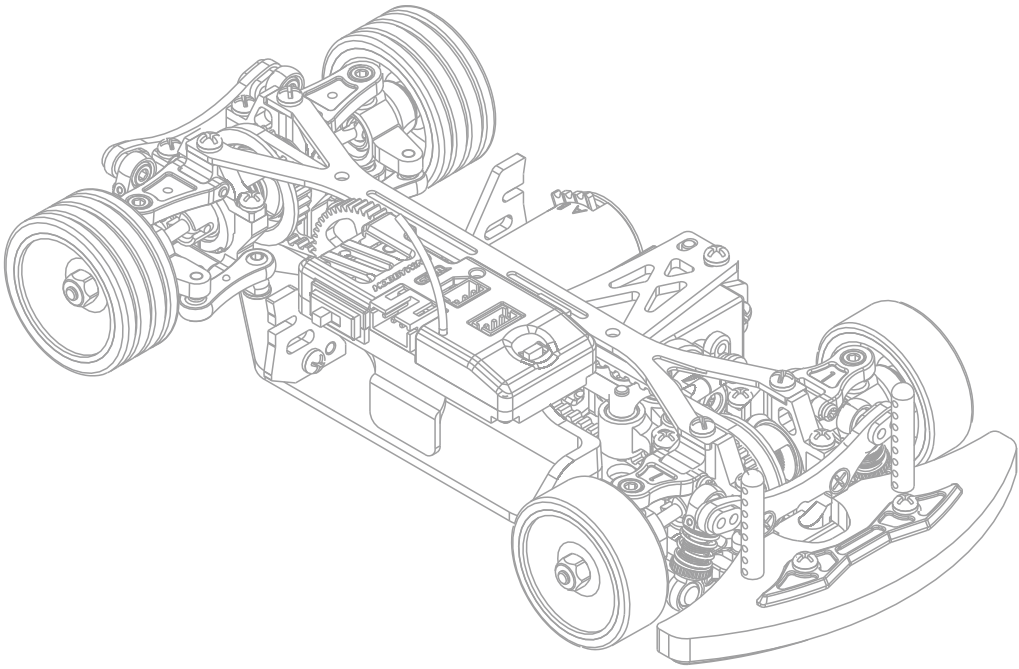
ATOMIC
RADIO CONTROL RACING EXPERT

AMZ SERIES

1/27 SCALE BELT DRIVE 4WD TOURING CAR CHASSIS KIT

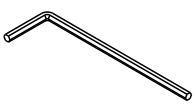
Instruction and Assembly Manual

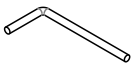


Version 1.5 (October 2016)

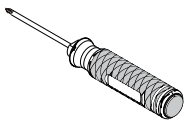
Thank you for purchasing this Atomic product. BZ is a high performance competition machine for 1:28 scale. Please read this manual in detail in order to have proper assembly of this product and wish you have fun with it.

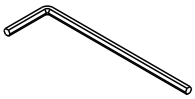
Tools Included :

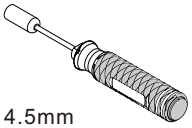

1.3mm Allen wrench

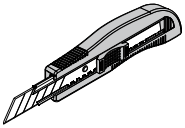

Diff tool

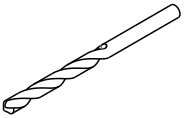
Tools Needed (Not Included) :

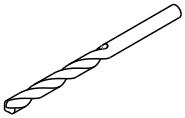

Small Screw Driver

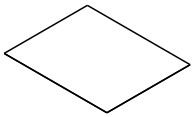

1.5mm Allen wrench


4.5mm
Hex Nut Driver

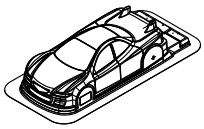

Hobby Knife


1.5mm Drill Bit


2.0mm Drill Bit


#1500 Sandpaper

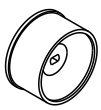
Equipment required :


Car Body

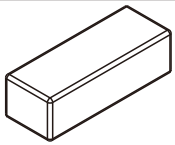

Radio System


Ball Diff Oil


Grease

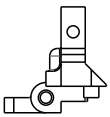

Rim


Tire

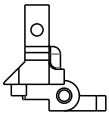

Battey

1

x8
1.9x4KB(Silver)
x3
2x4KM

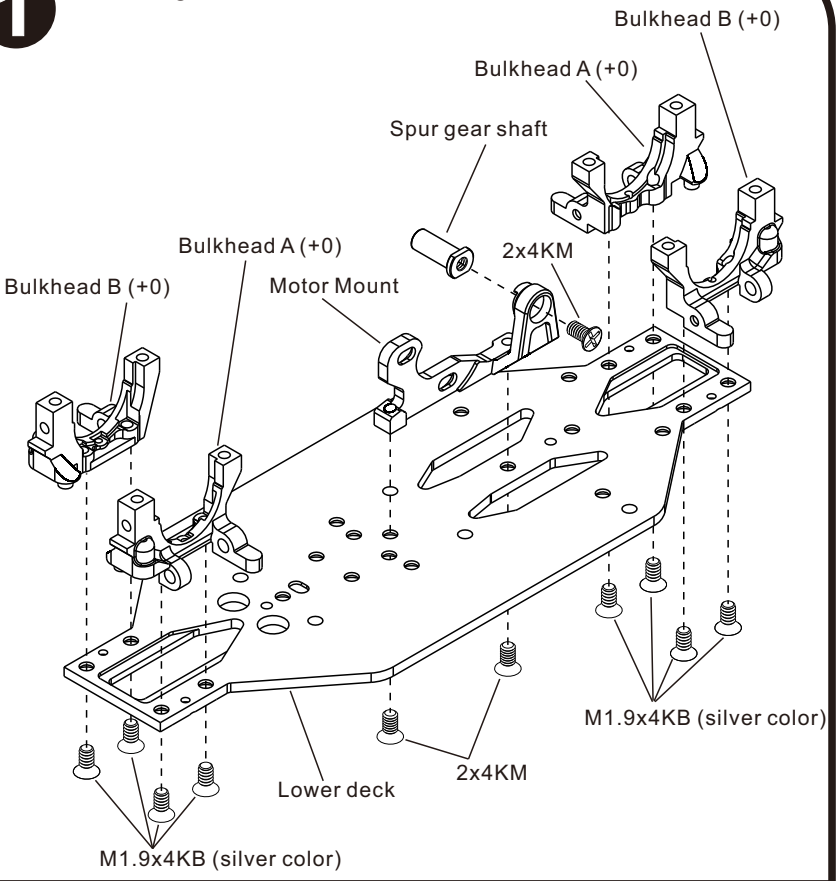


Bulkhead B (+0)



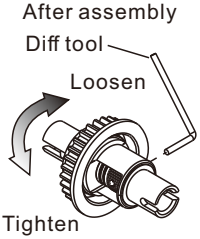
Bulkhead A (+0)

1 Attaching bulkheads

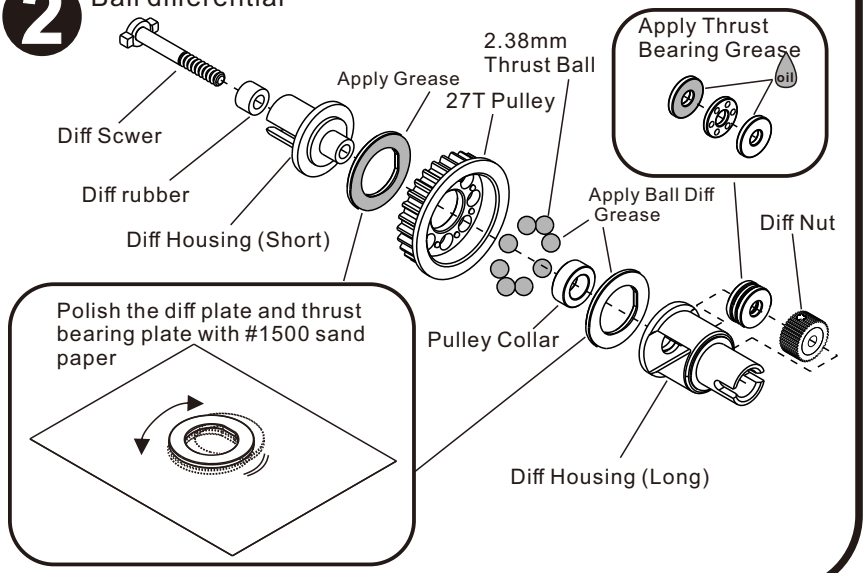


2

Build 2 sets



2 Ball differential



3

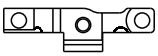
x4

1.9x4PB (silver)

x1

2x6PM

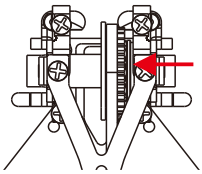
Upper Bulkhead B (+0)



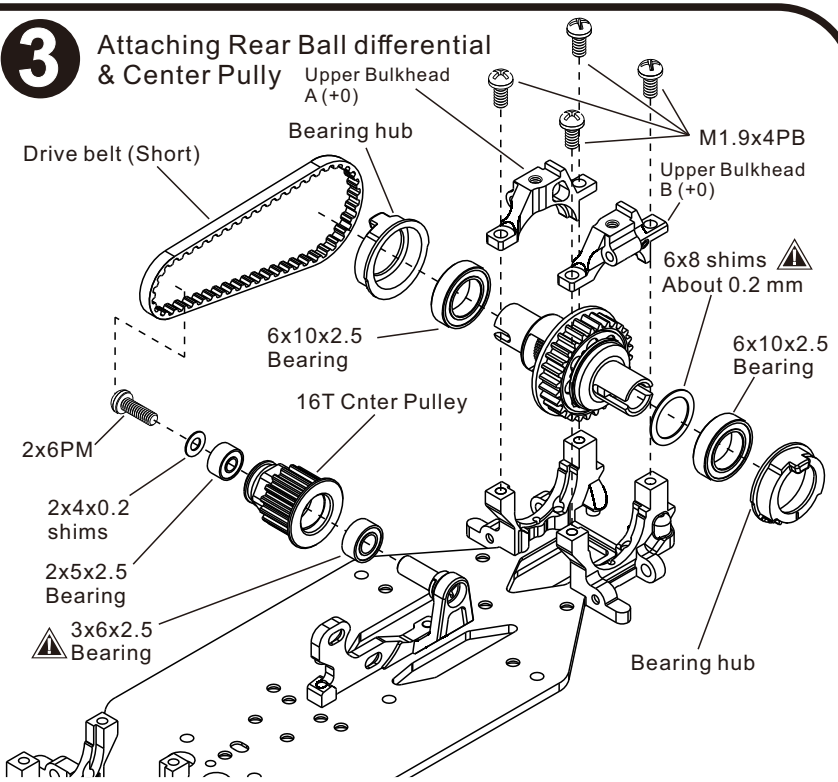
Upper Bulkhead A (+0)

⚠ **Attention:**

Add 0.2 mm shims at this side of outdrive cup.



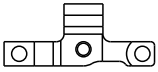
3 Attaching Rear Ball differential & Center Pully



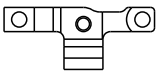
4

x4

1.9x4PB (Silver)

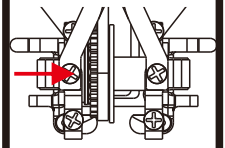


Upper Bulkhead B (+2.5)



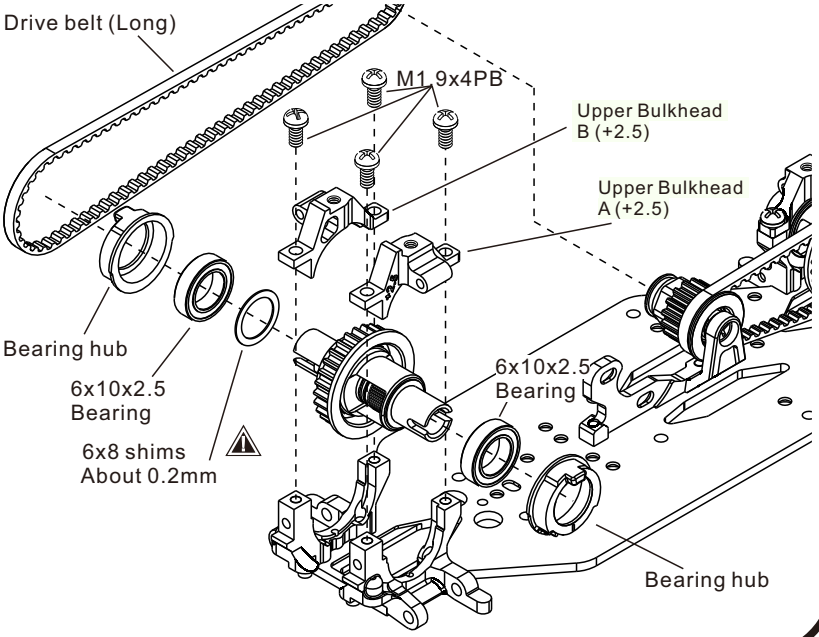
Upper Bulkhead A (+2.5)

⚠ **Attention:**



Add 0.2 mm shims at this side of outdrive cup.

4 Attaching Front Ball differential



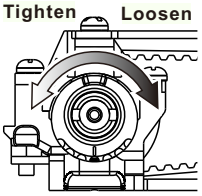
5

x4 **2x4PM**

x4 **1.2x4KM**

Front

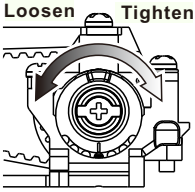
Tighten Loosen



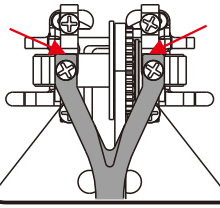
Adjust the bearing hub position to adjust belt tension. Middle is the recommended.

Rear

Loosen Tighten



Make sure the carbon top deck can be easily put on the bulk head. otherwise, use sand paper to trim the end of top deck.

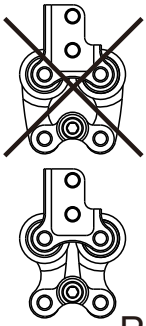


Attaching Upper deck 5

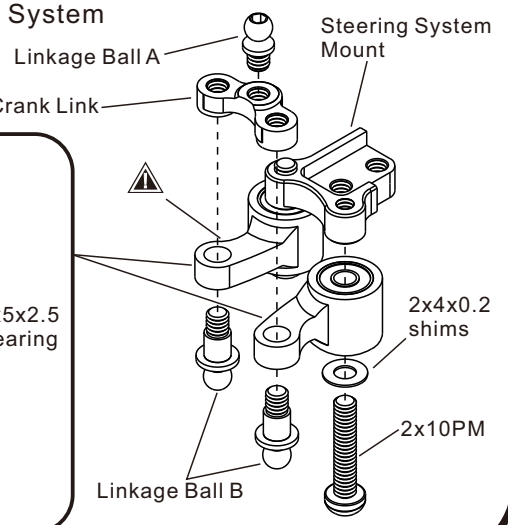
6

x2 **2x10PM**

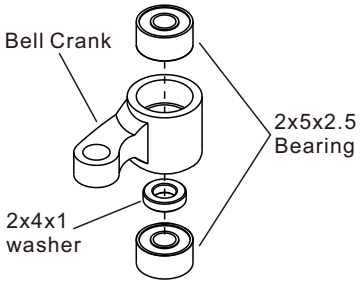
Attention:
Installation direction



6 Attaching Steering System



Makeing 2



7

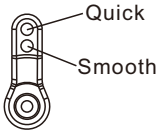
x1 **1.5x11 Set screw**

x1 **1.5x6PB**

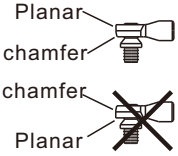
x2 **2x4KM**

x5 **2x4PM**

Steering Respond



⚠ Attention:
Installation direction

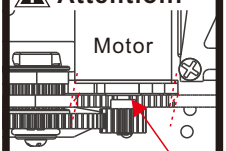


8

x4 **2x4KM**

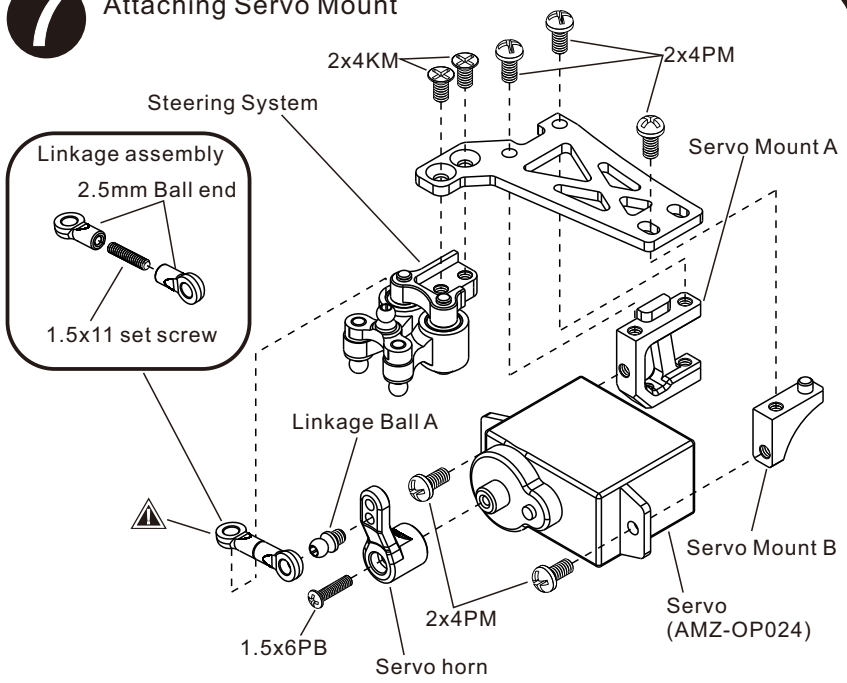
x1 **5x7x1mm O-ring**

⚠ Attention:

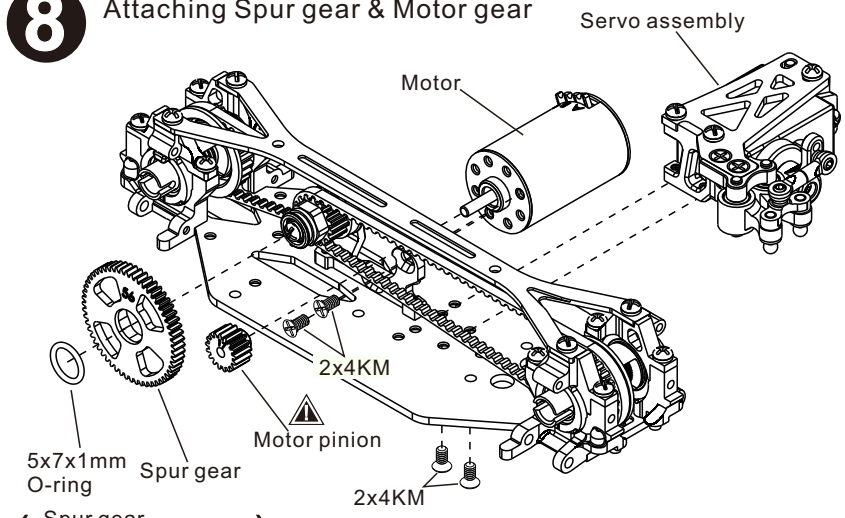


Carefully adjust the position of pinion, make sure it does not touch the front belt.

7 Attaching Servo Mount



8 Attaching Spur gear & Motor gear



$$\left(\frac{\text{Spur gear}}{\text{Motor gear}} \times 1.69\right) = \text{Gear ratio}$$

Motor Pinion

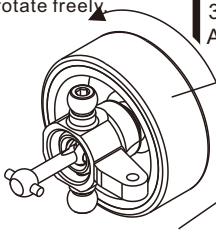
Spur Gear		14	15	16	17	18
54				5.70	5.36	5.06
56		6.75	6.30	5.91	5.56	5.25
58	7.53	6.99	6.53	6.12	5.76	5.44

(5.91 is recommended for 5000KV motor)

9

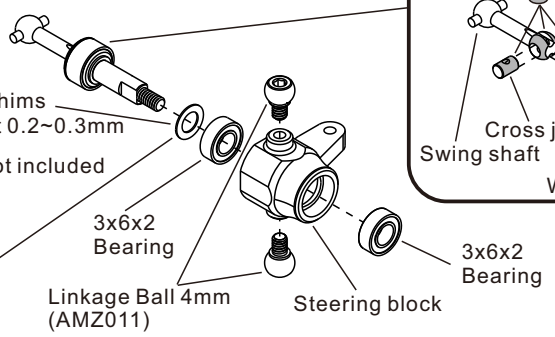
Build 4 Sets

After assembly
Make sure the wheel rotate freely

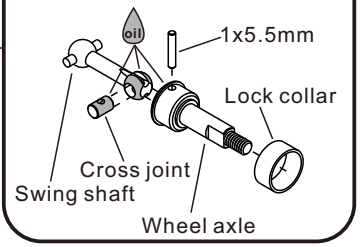


Insert shims to adjust the play of CVD

9 Axles assembly



CVD assembly



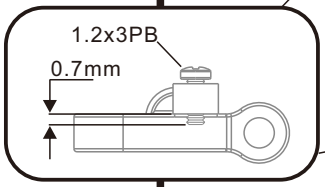
10

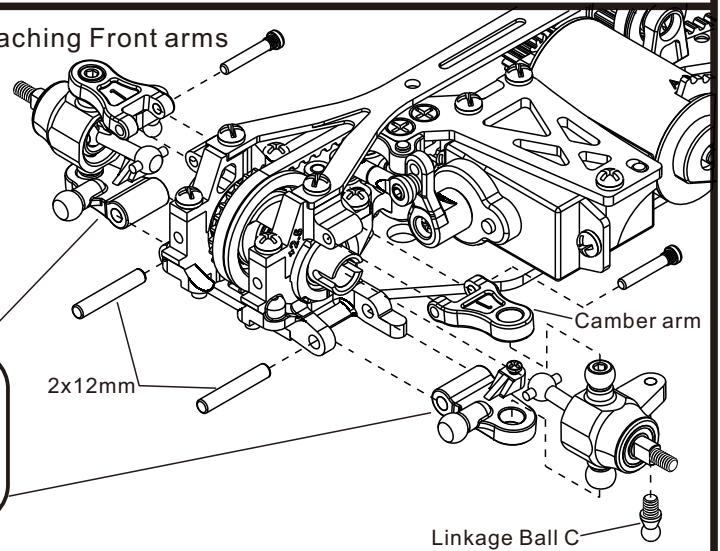
Build 2 Sets

L / R

1.2x3PB x2

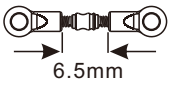
10 Attaching Front arms



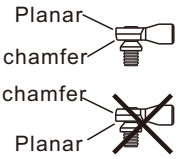


11

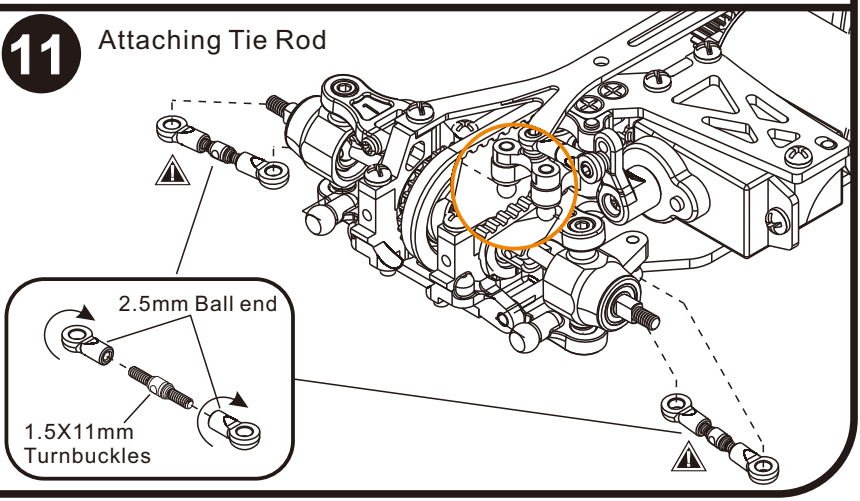
Build 2 Sets



⚠ Attention:
Installation direction



11 Attaching Tie Rod



12

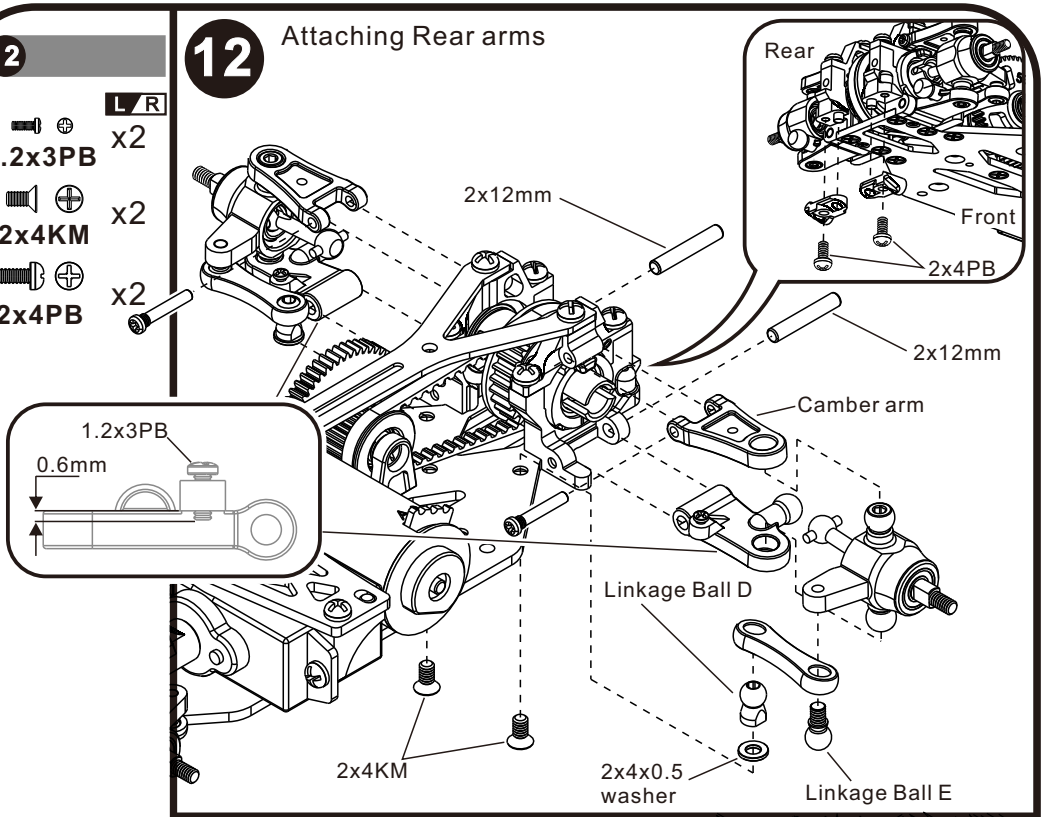
L R

1.2x3PB x2

2x4KM x2

2x4PB x2

12 Attaching Rear arms

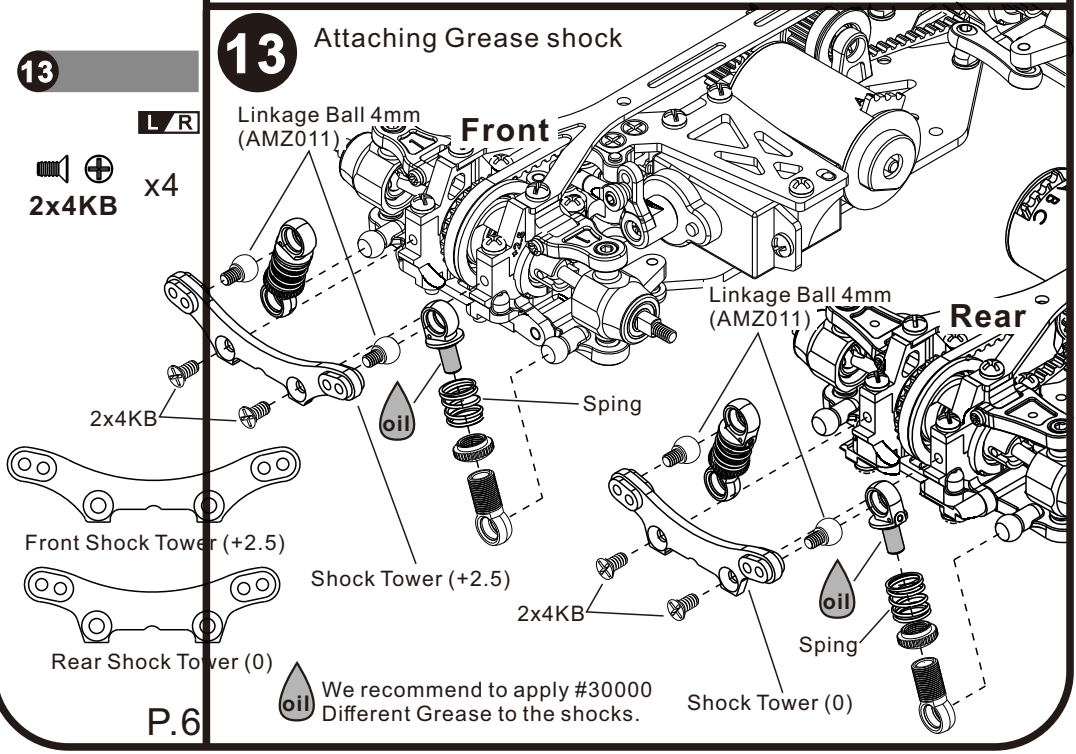


13

L R

2x4KB x4

13 Attaching Grease shock

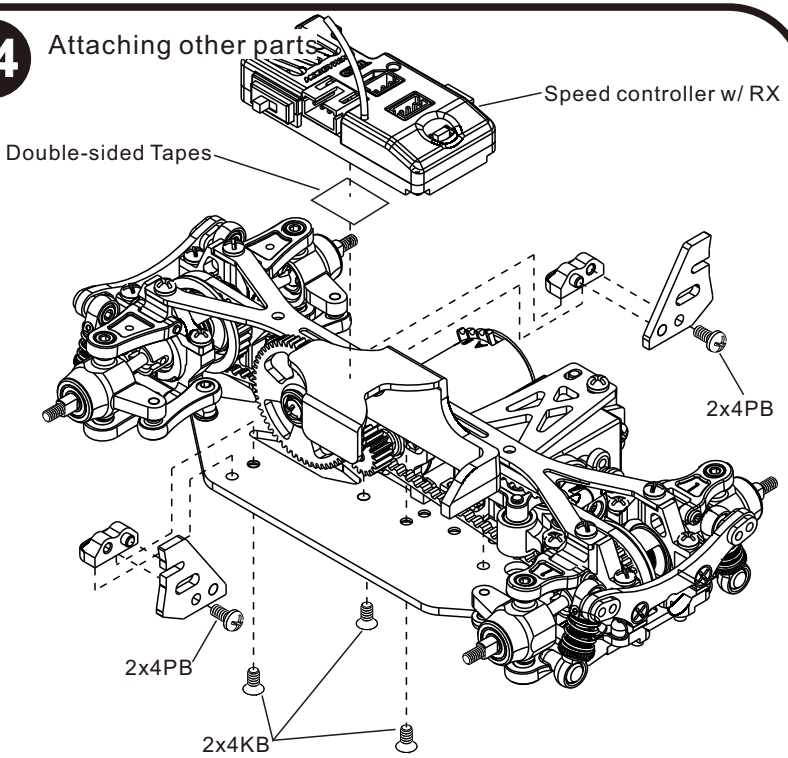


14

2x4KB x3

2x4PB x2

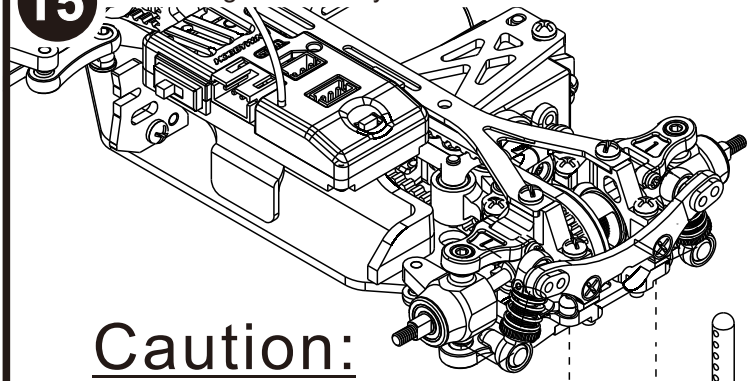
14 Attaching other parts



15

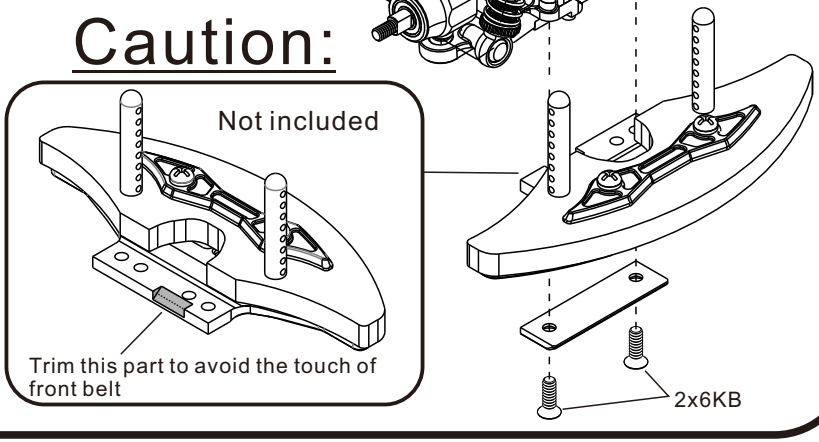
2x6KB x2

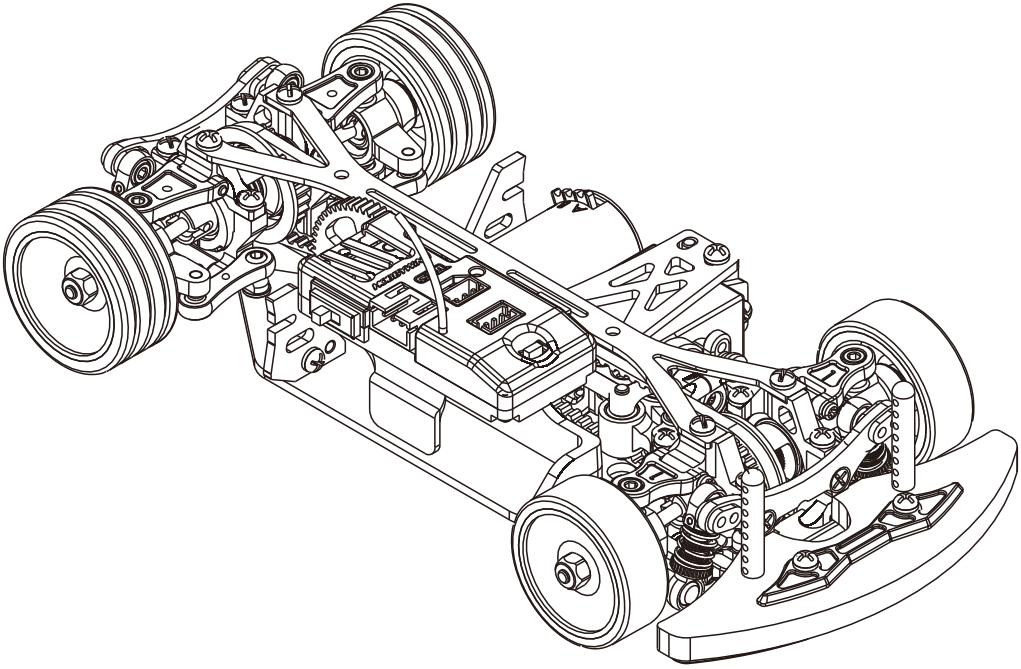
15 Attaching Front Body Mount



Caution:

Trim the front body mount a little bit to give space for the front belt.





End of Assembly

ATOMIC

RADIO CONTROL RACING EXPERT

www.rcatomic.com