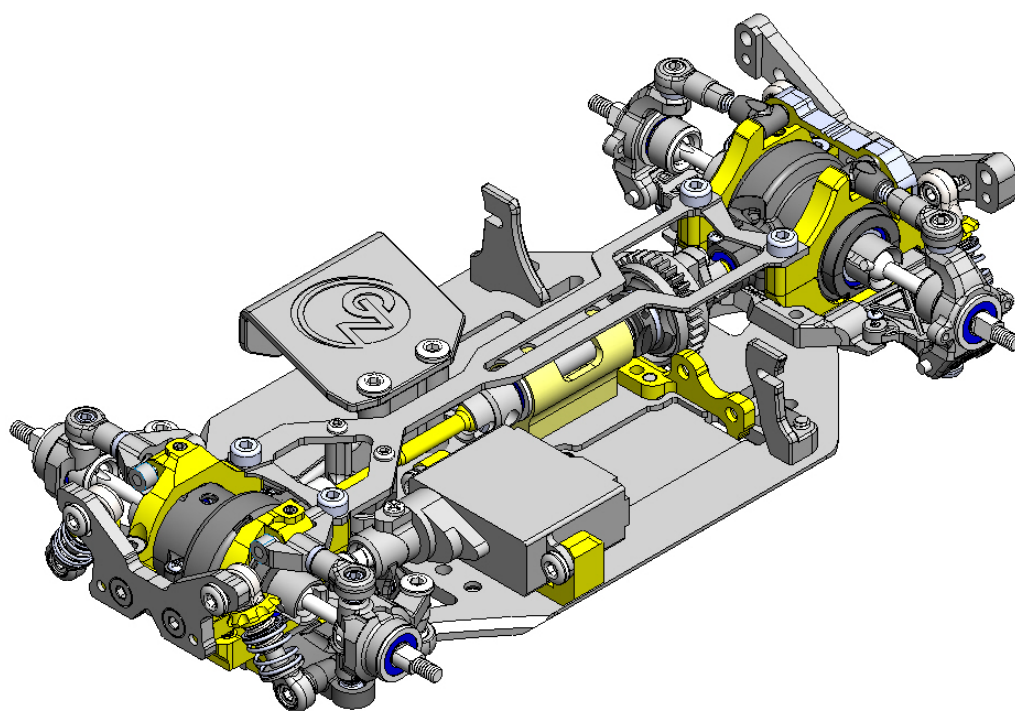
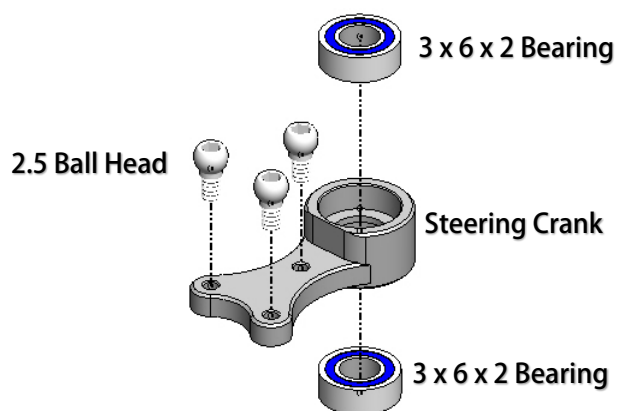


SZ2

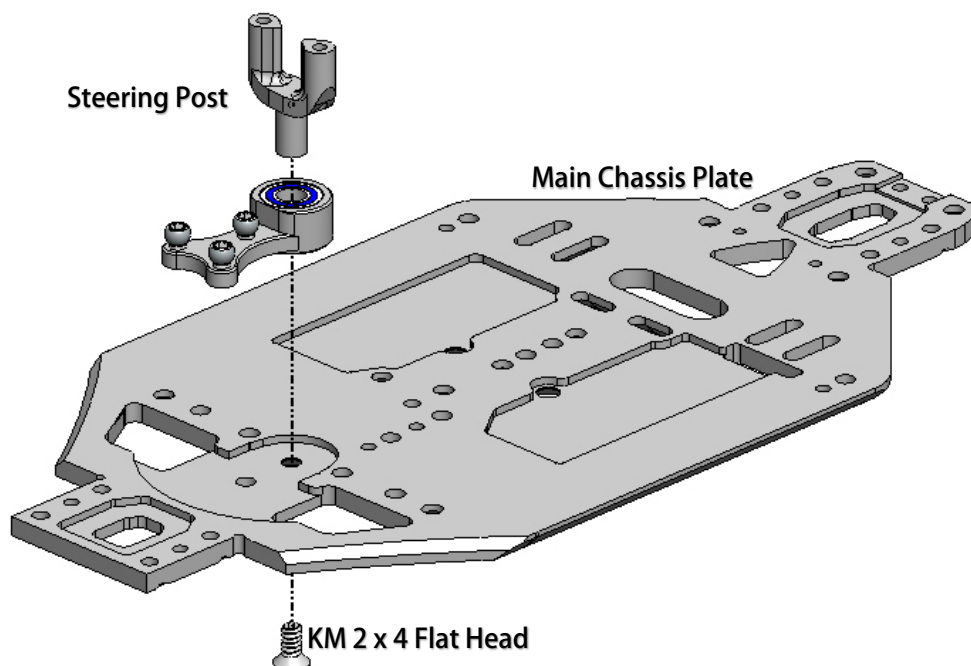
ATOMIC



① Steering Crank (Open Bag 1 to 4)



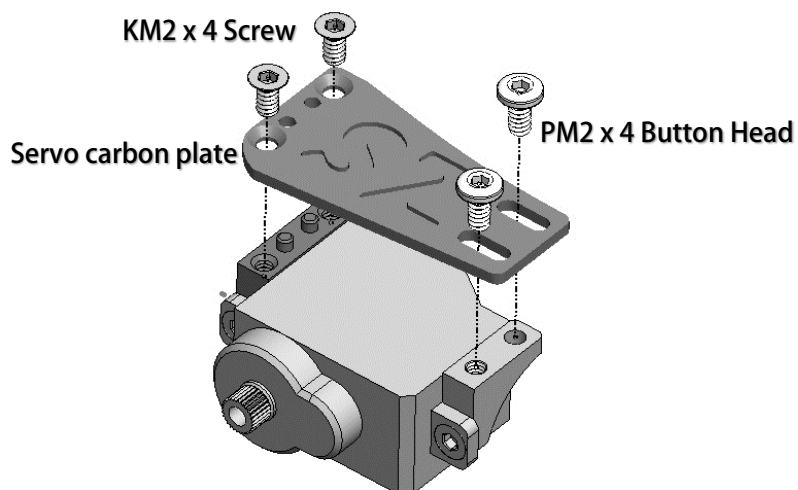
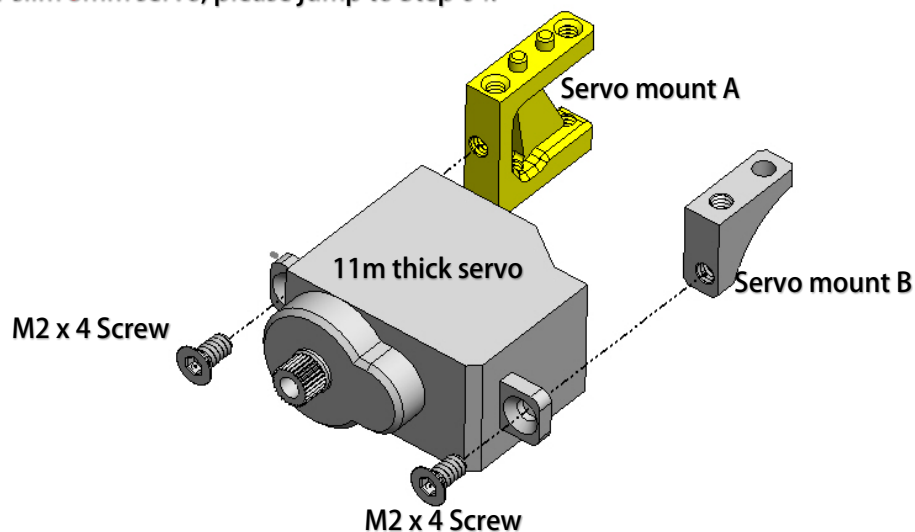
② Steering Crank



③ Servo (Atomic **11mm** thick) (Open Bag 5)

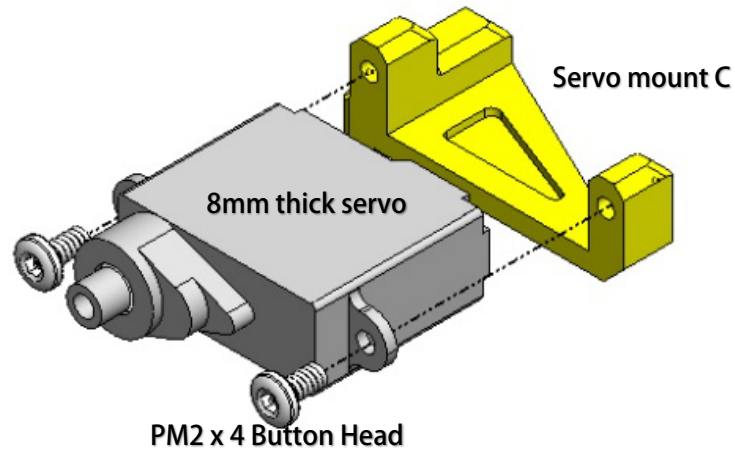
The separated servo mount is for 11mm thick Atomic servos such as AESC02, BZ-UP017 series.

For slim **8mm** servo, please jump to Step 04.

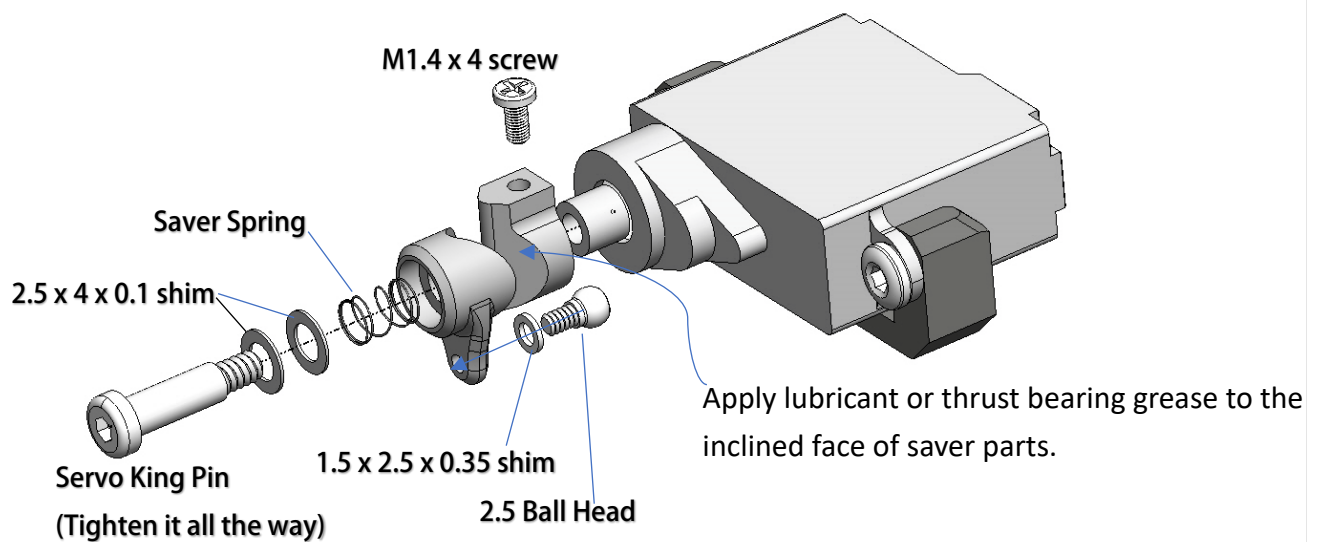


04 Servo (Atomic 8mm Slim)

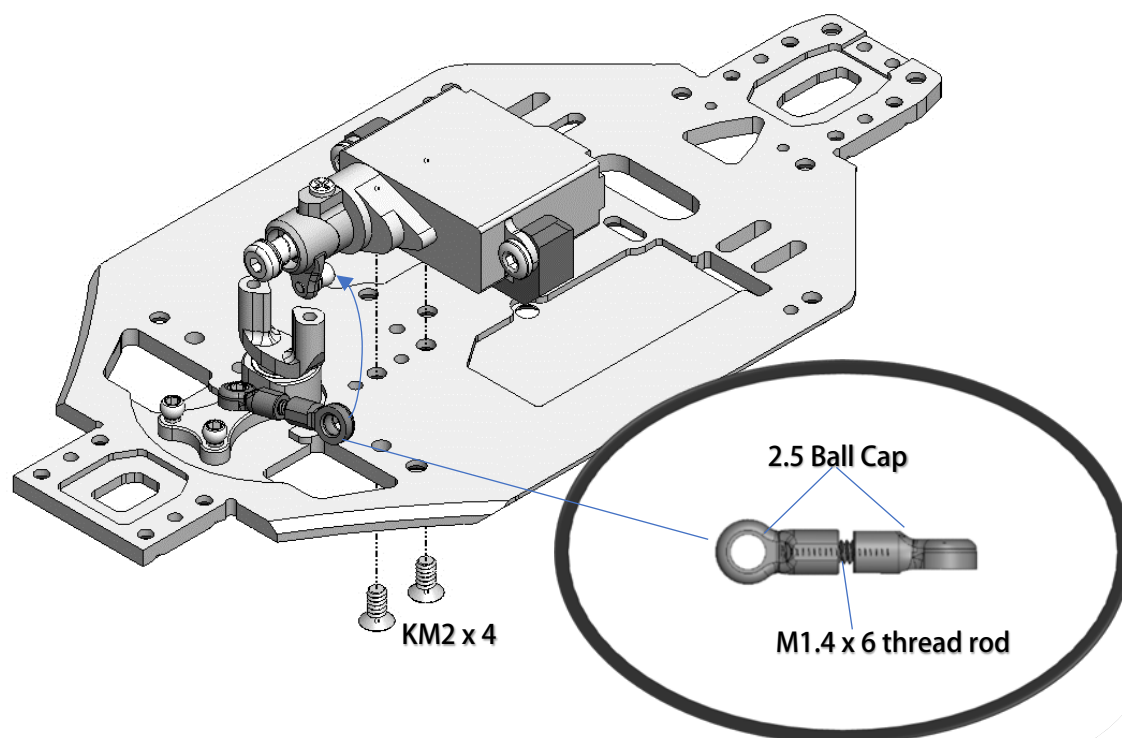
This is for 8mm slim servo (AESC03), for 11mm servo please refer to step 03



05 Servo Saver (Atomic 11 or 8mm servo)

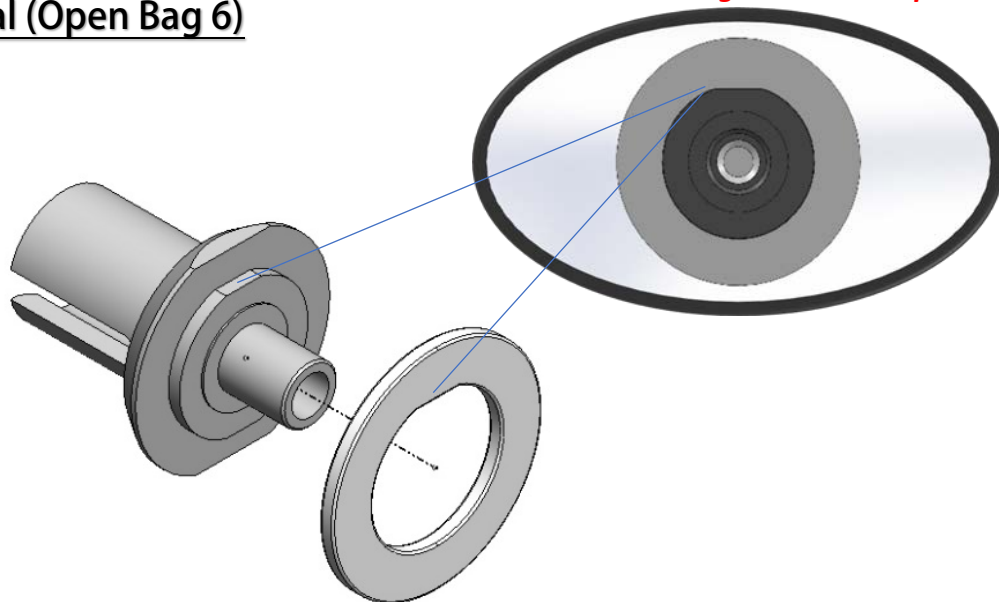


⑥ Servo Installation



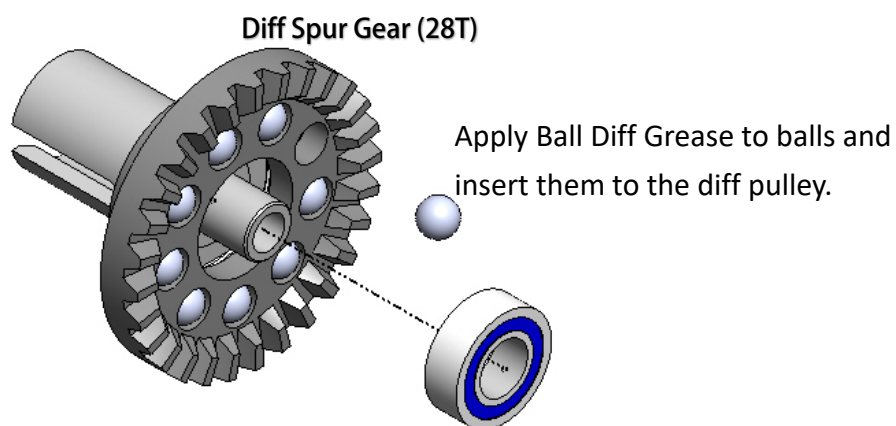
⑦ Ball Differential (Open Bag 6)

Attention: Align the "D" Shape

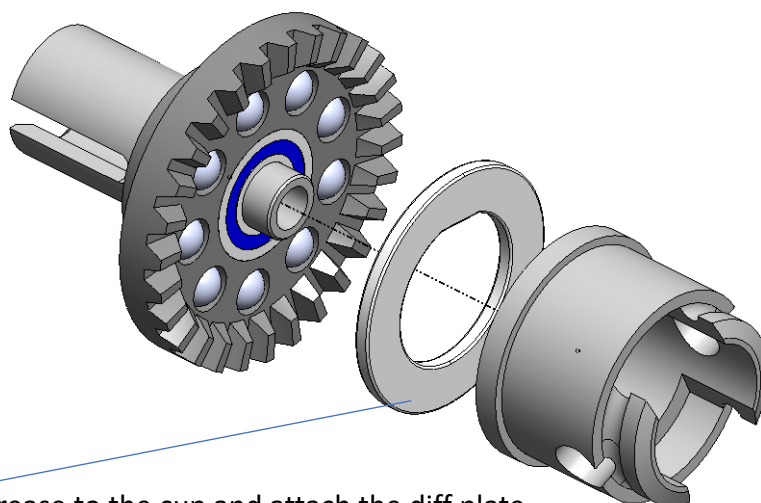


Apply ball diff grease to the cup and attach the diff plate.
Diff grease is act as the adhesive to hold the cup and plate together.

⑦ Ball Differential

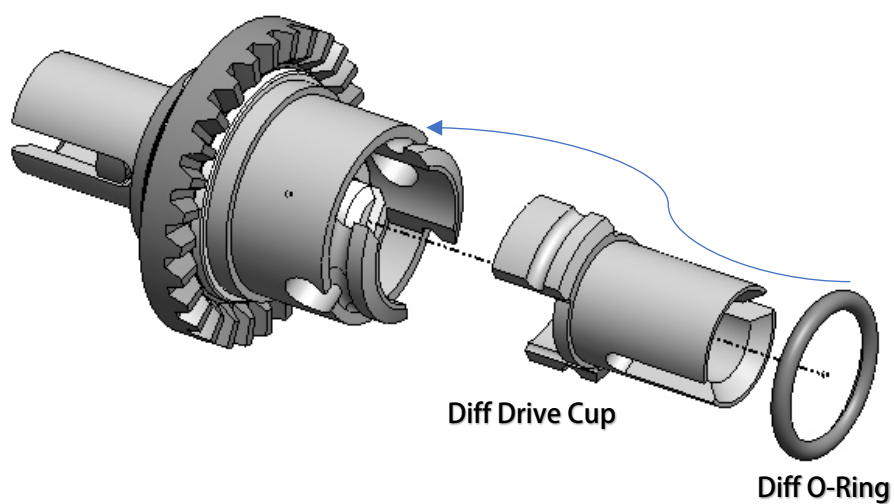
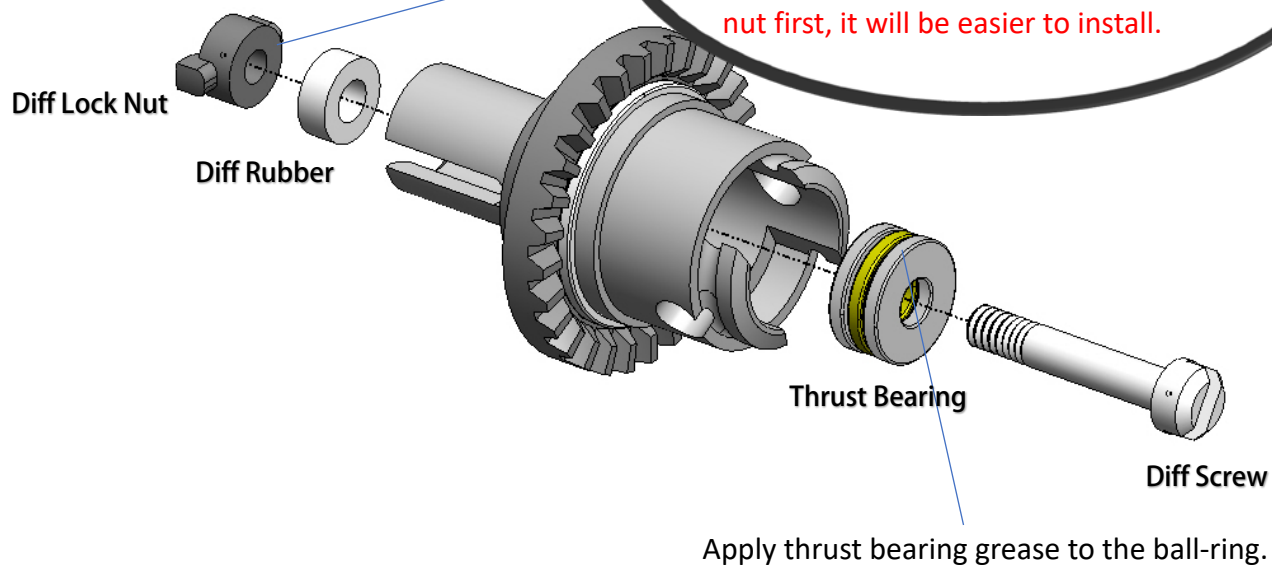


Insert the Bearing (3*6*2) to the pulley, and attach pulley to the diff cup



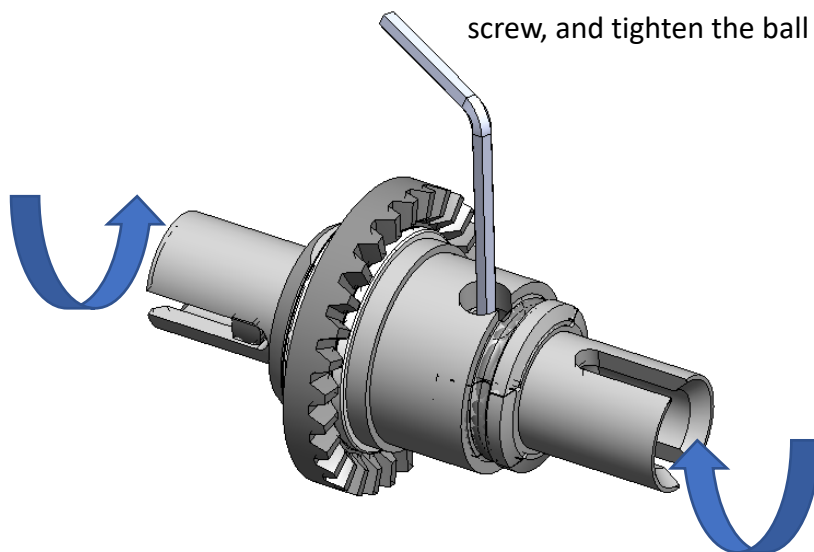
Apply ball diff grease to the cup and attach the diff plate.
Diff grease is act as the adhesive to hold the cup and plate together.

⑦ Ball Differential



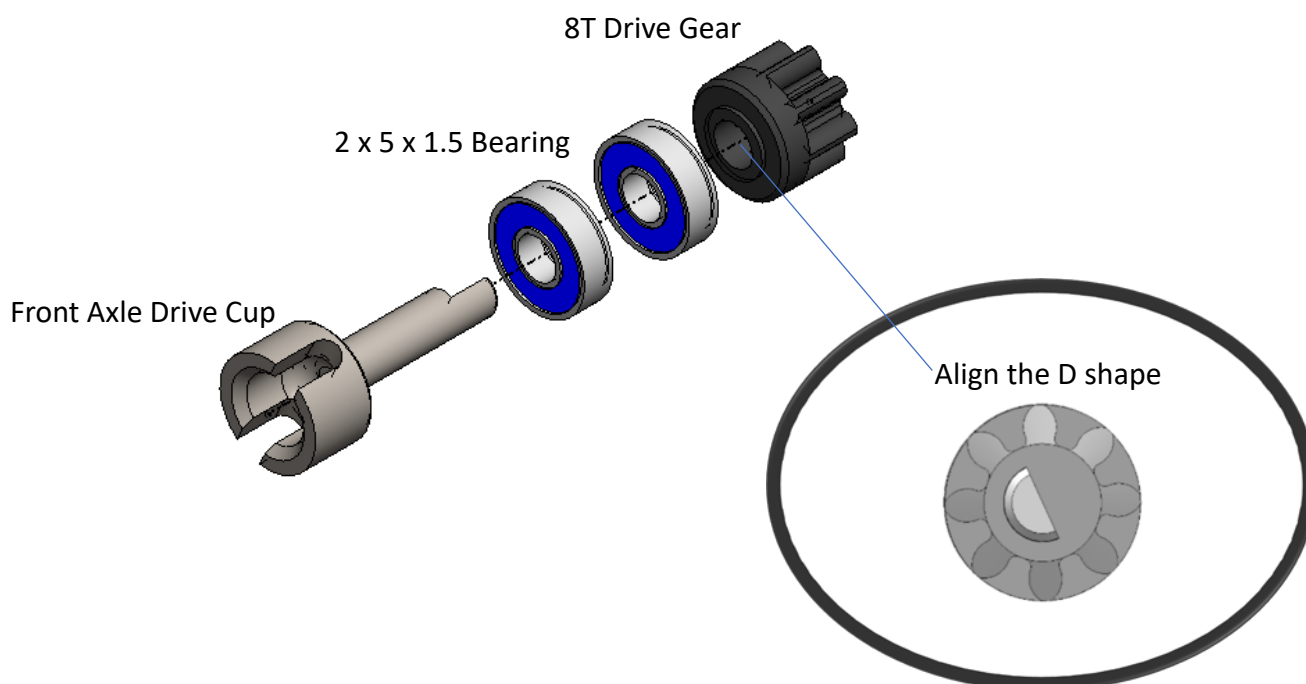
⑦ Ball Differential

Insert 0.9 Allen key to the slot of the diff screw, and tighten the ball diff.

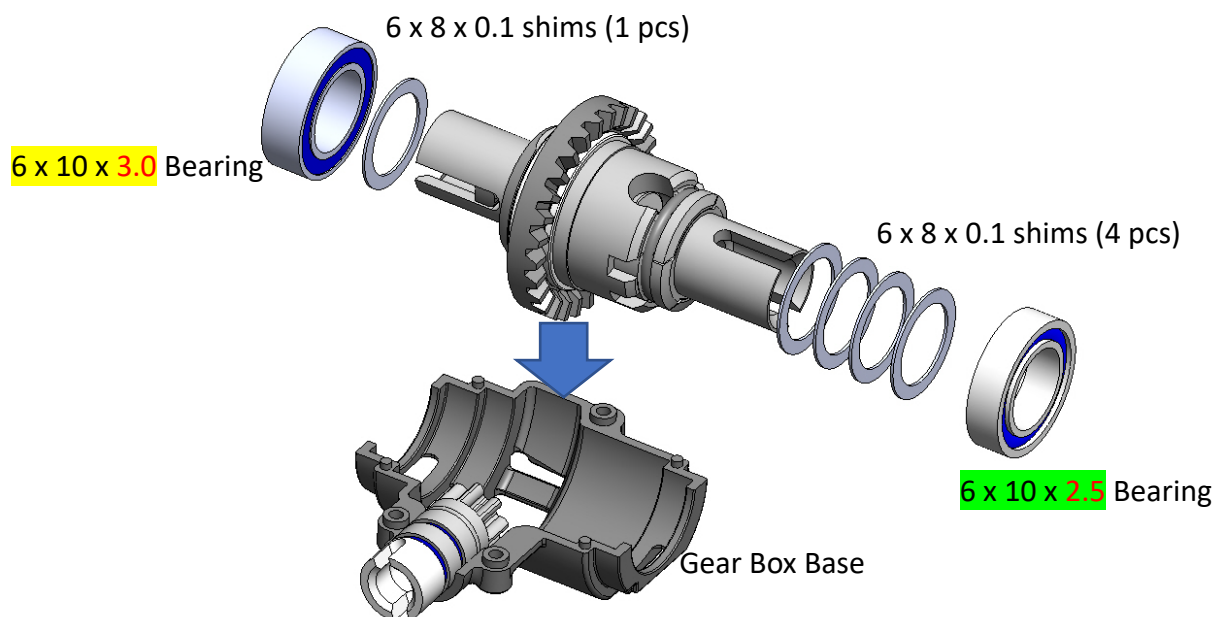


Repeat steps and build the second diff.

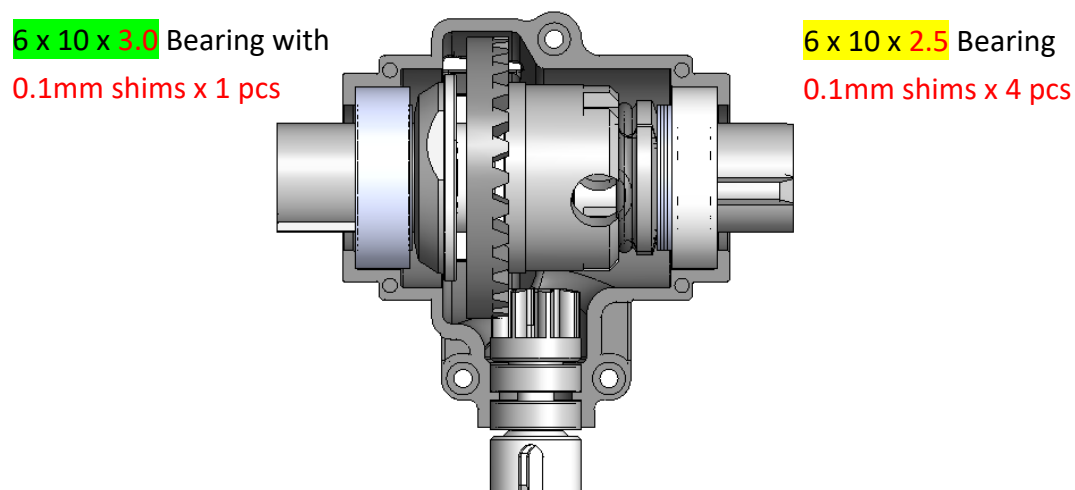
⑧ Front Gear Box (Open Bag 7)



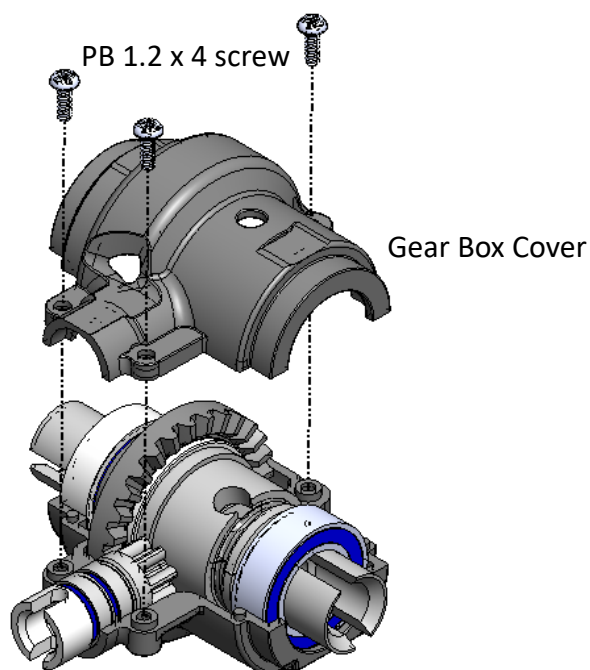
08 Front Gear Box



Please note that at the spur gear side is using 3.0 mm thick bearing, while other side is 2.5 mm thick. Make sure the orientation is correct

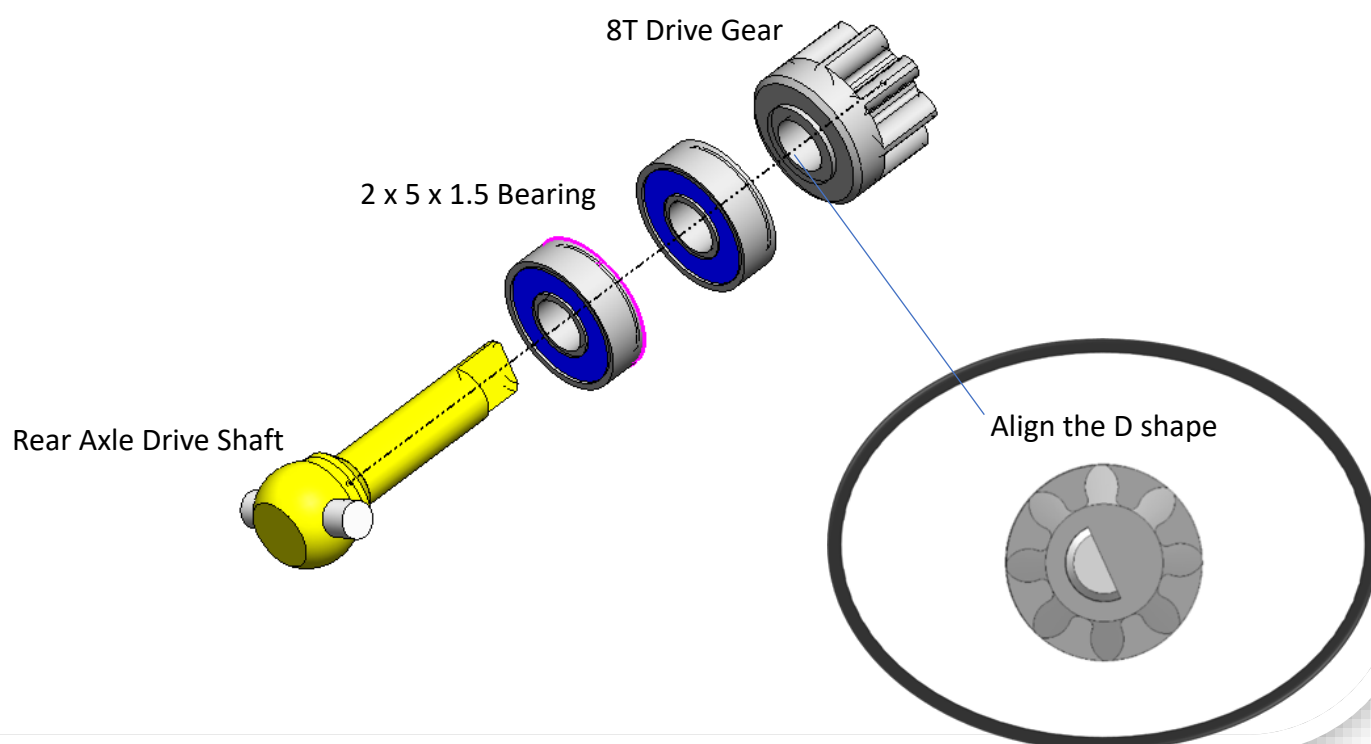


08 Front Gear Box

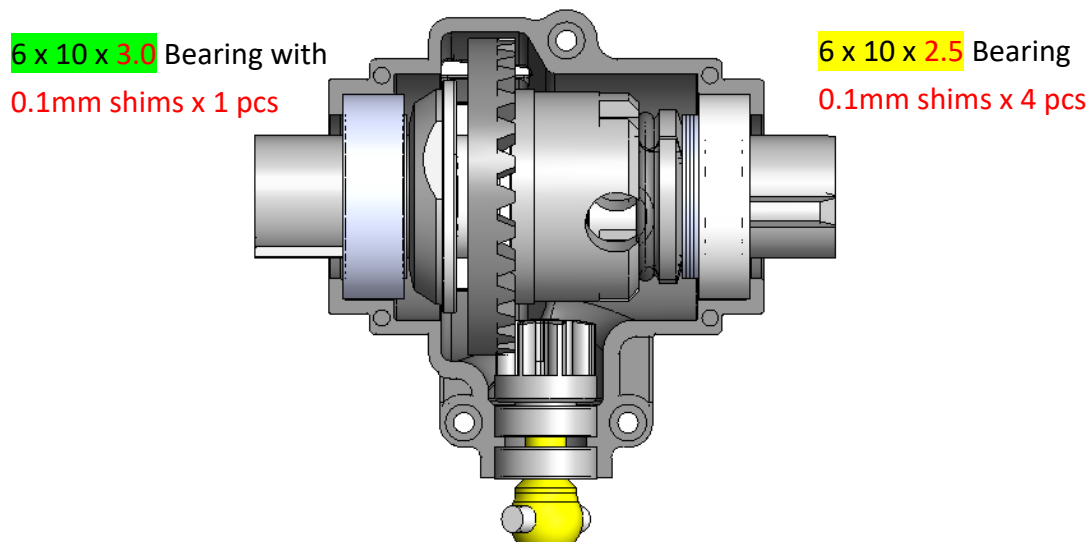
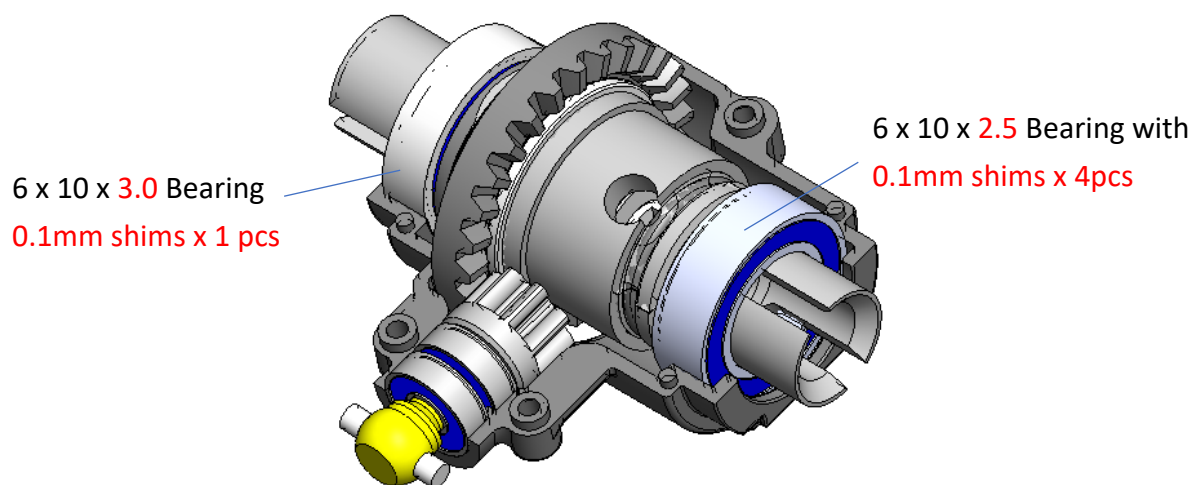


Check the smoothness of the gears and adjust gear mesh by the shims if necessary.

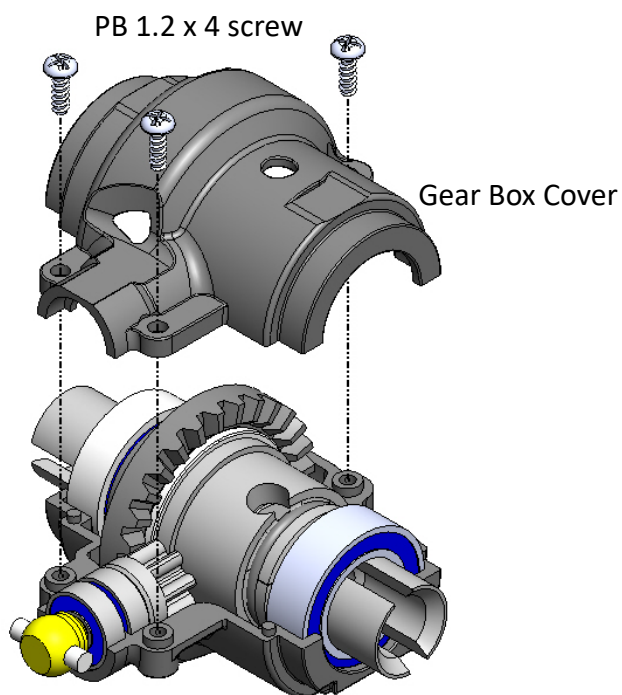
09 Rear Gear Box



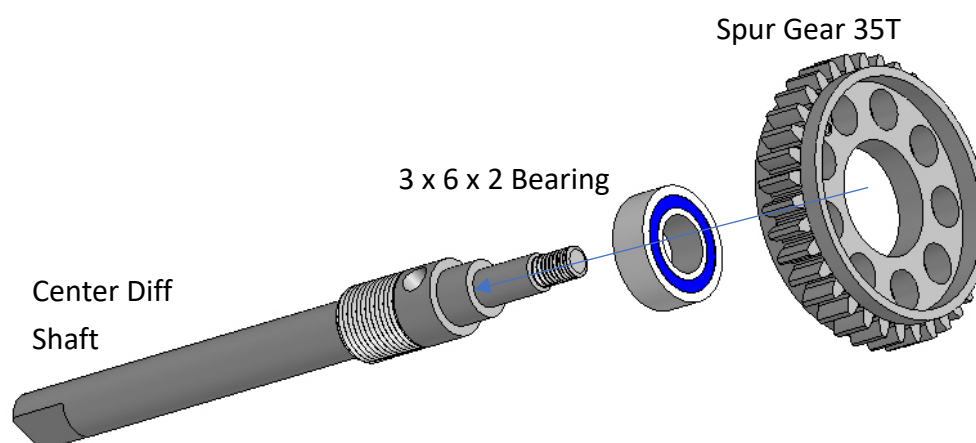
09 Rear Gear Box



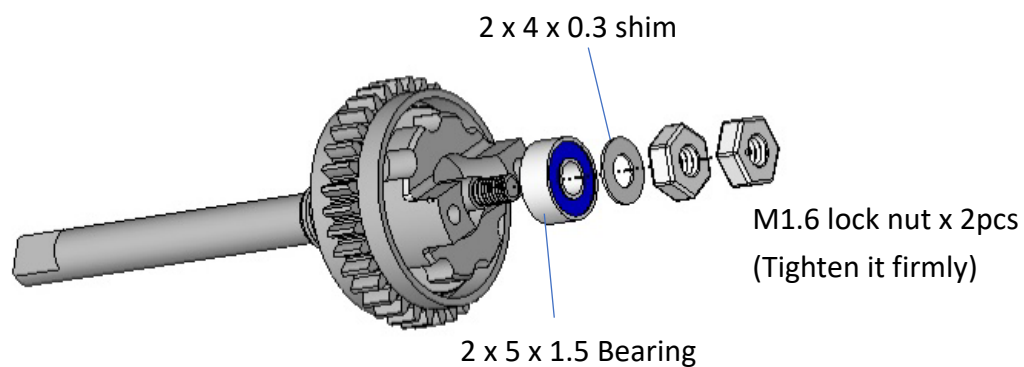
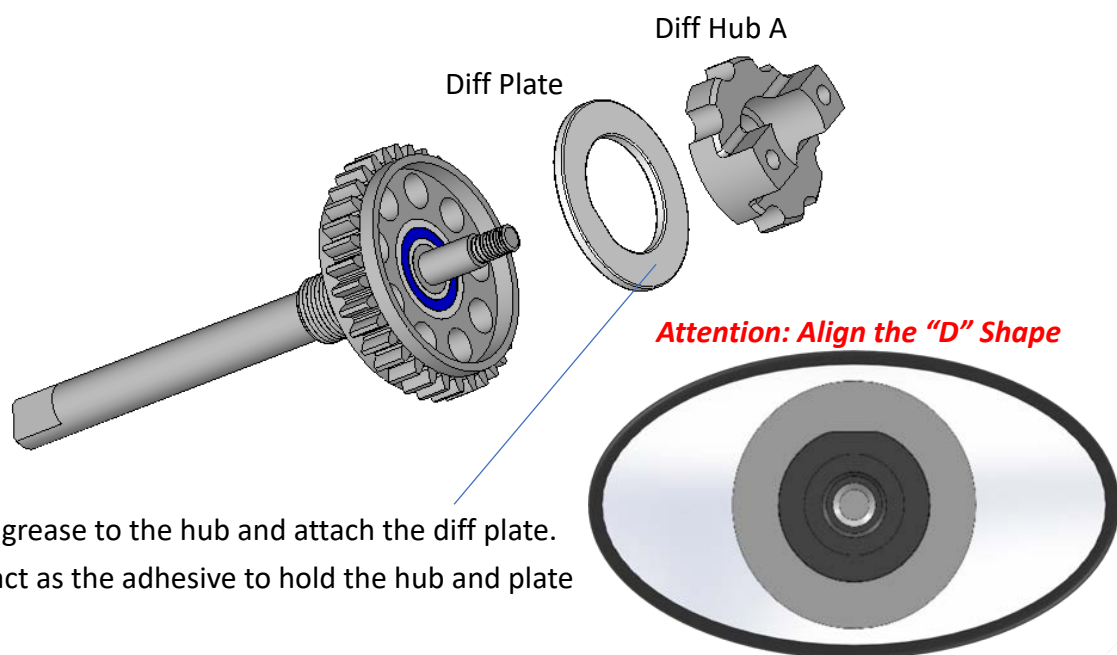
Spur Gear 35T

09 Rear Gear Box

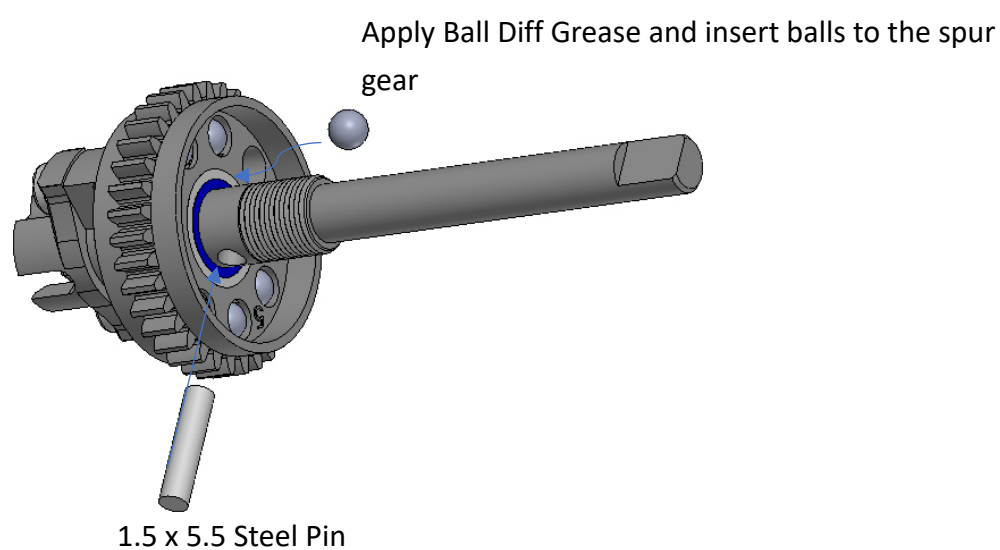
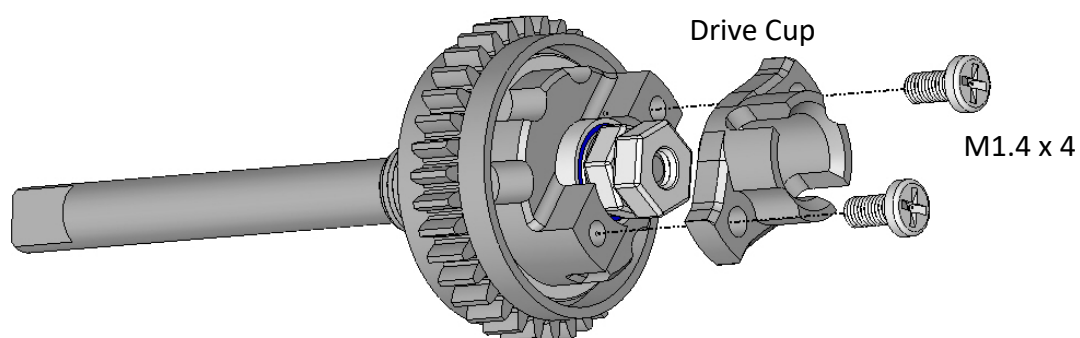
Check the smoothness of the system and adjust the gear mesh by the shims if necessary.

10 Center Differential (Open Bag 8)

⑩ Center Differential

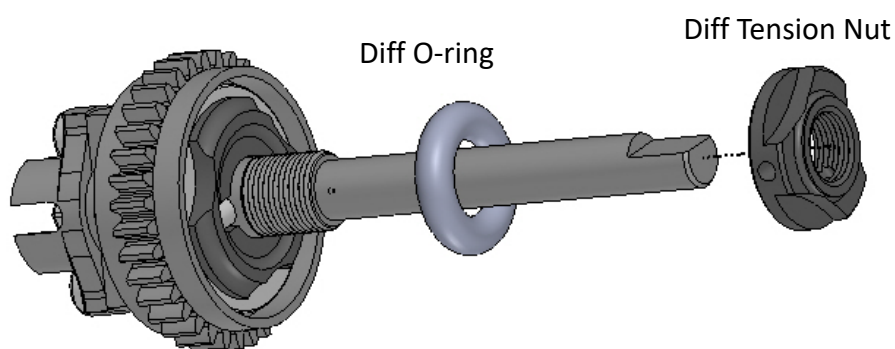
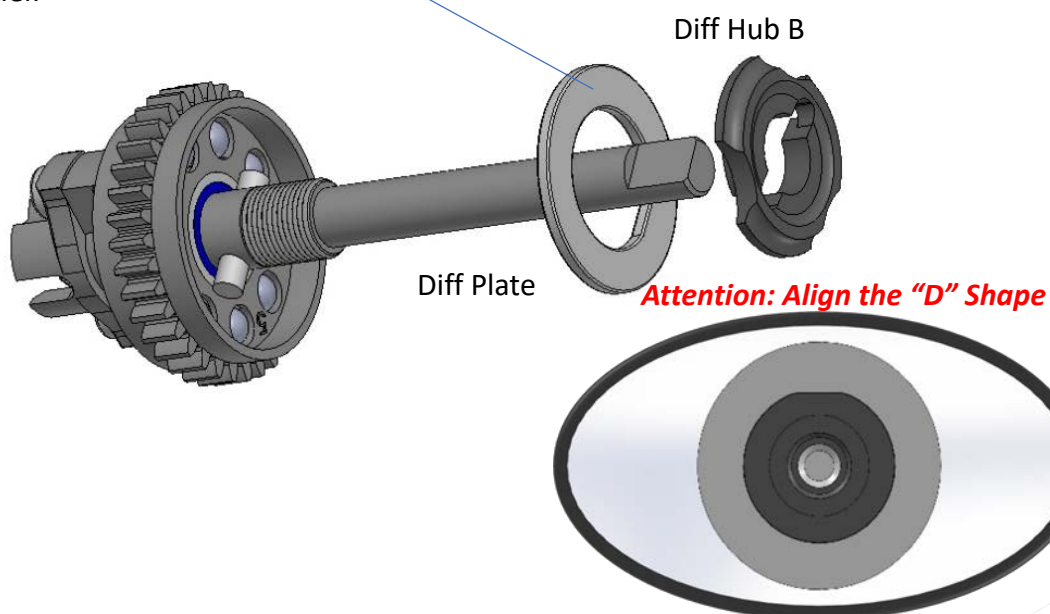


⑩ Center Differential



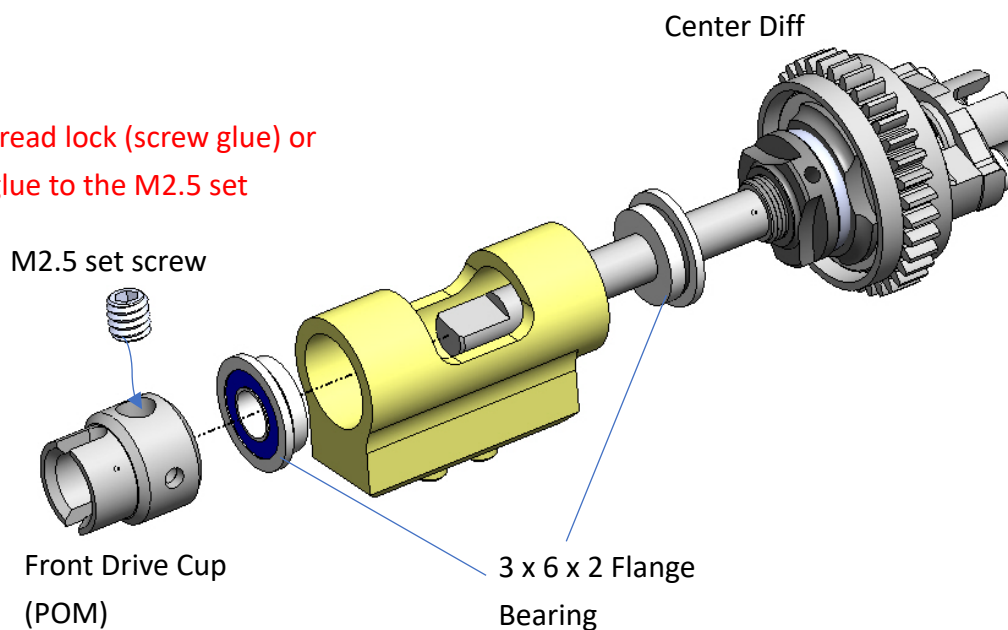
10 Center Differential

Apply ball diff grease to the hub and attach the diff plate.
Diff grease is act as the adhesive to hold the hub and plate together.

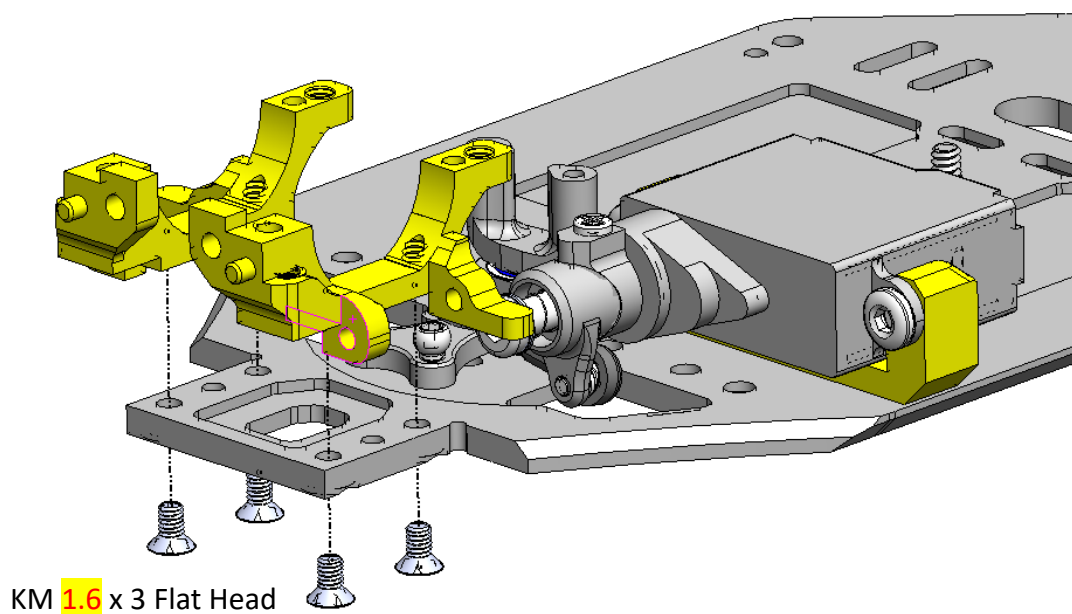


11 Center Block (Open Bag 9)

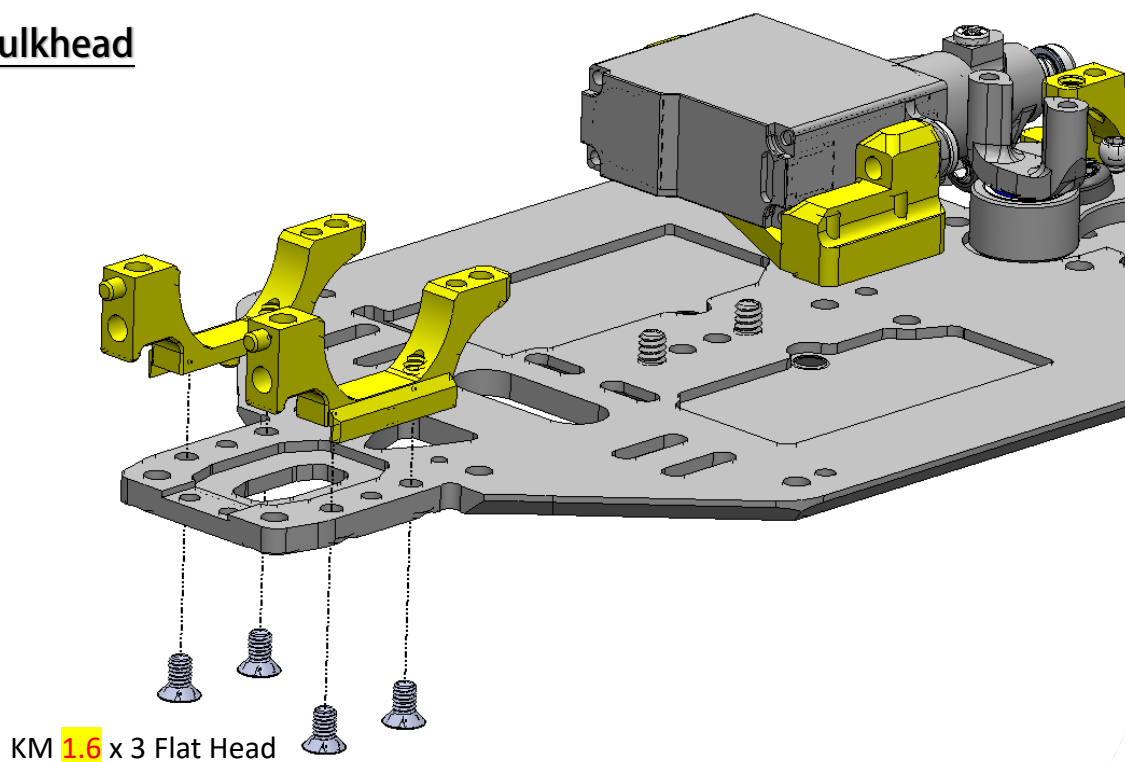
Apply thread lock (screw glue) or instant glue to the M2.5 set screw.



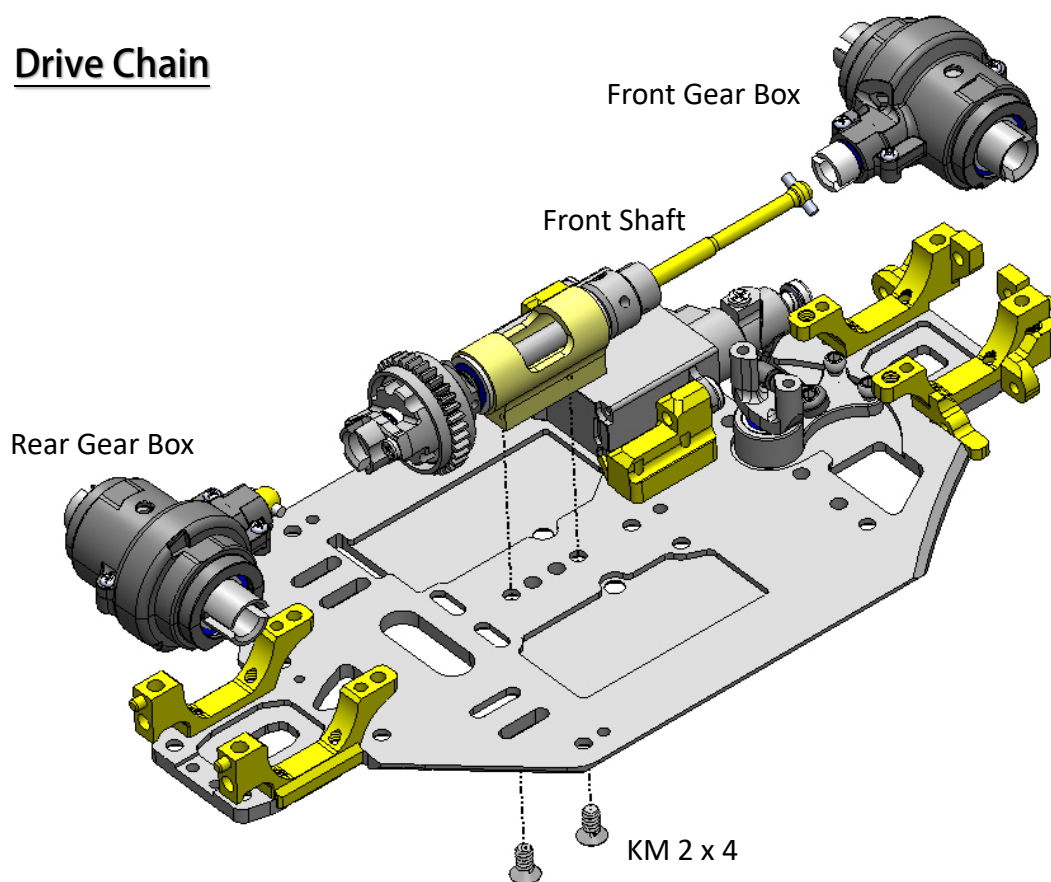
12 Front Bulkhead



13 Rear Bulkhead



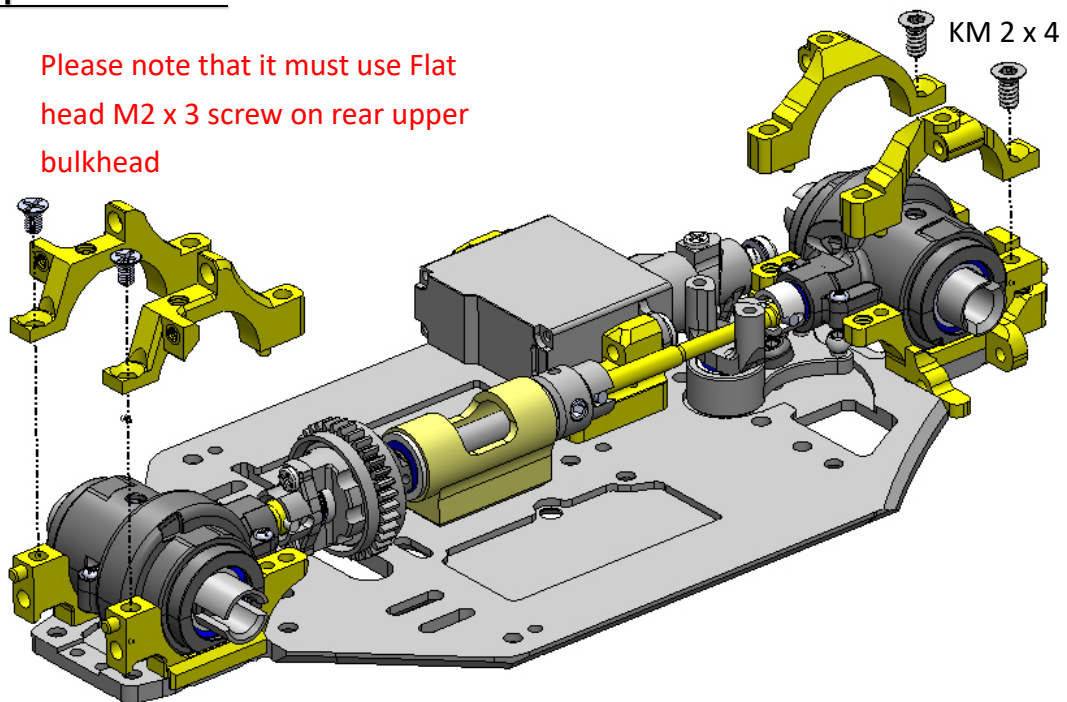
14 Drive Chain



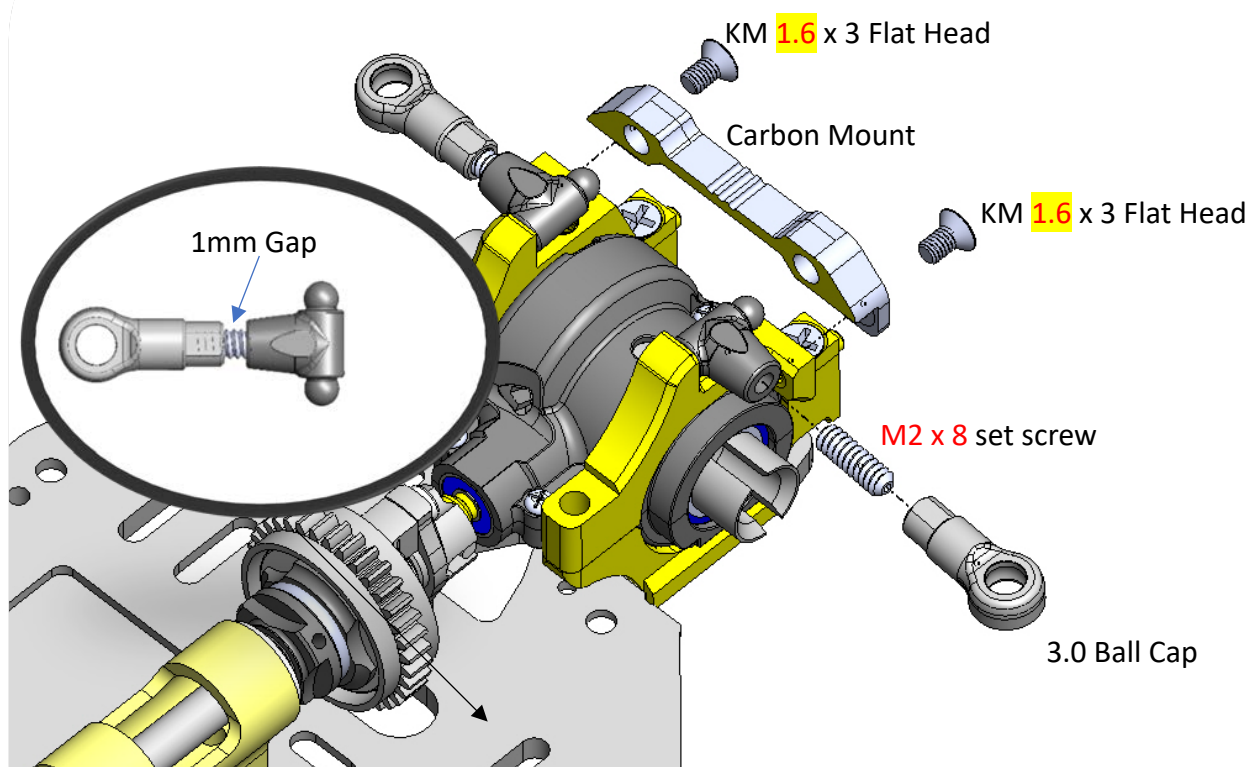
15 Upper Bulkhead

Please note that it must use Flat head M2 x 3 screw on rear upper bulkhead

KM 2 x 3



16 Rear Upper Arm (Open Bag 10, 11)

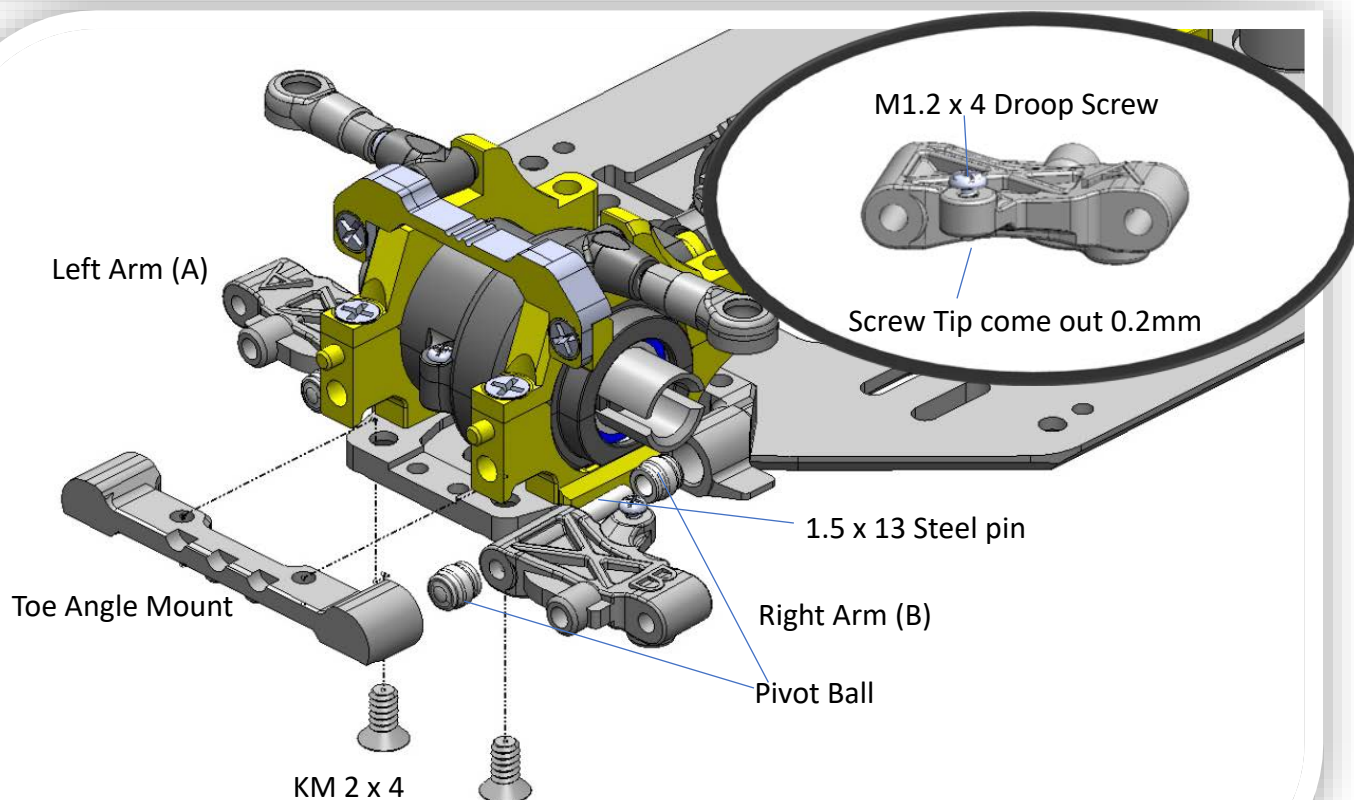
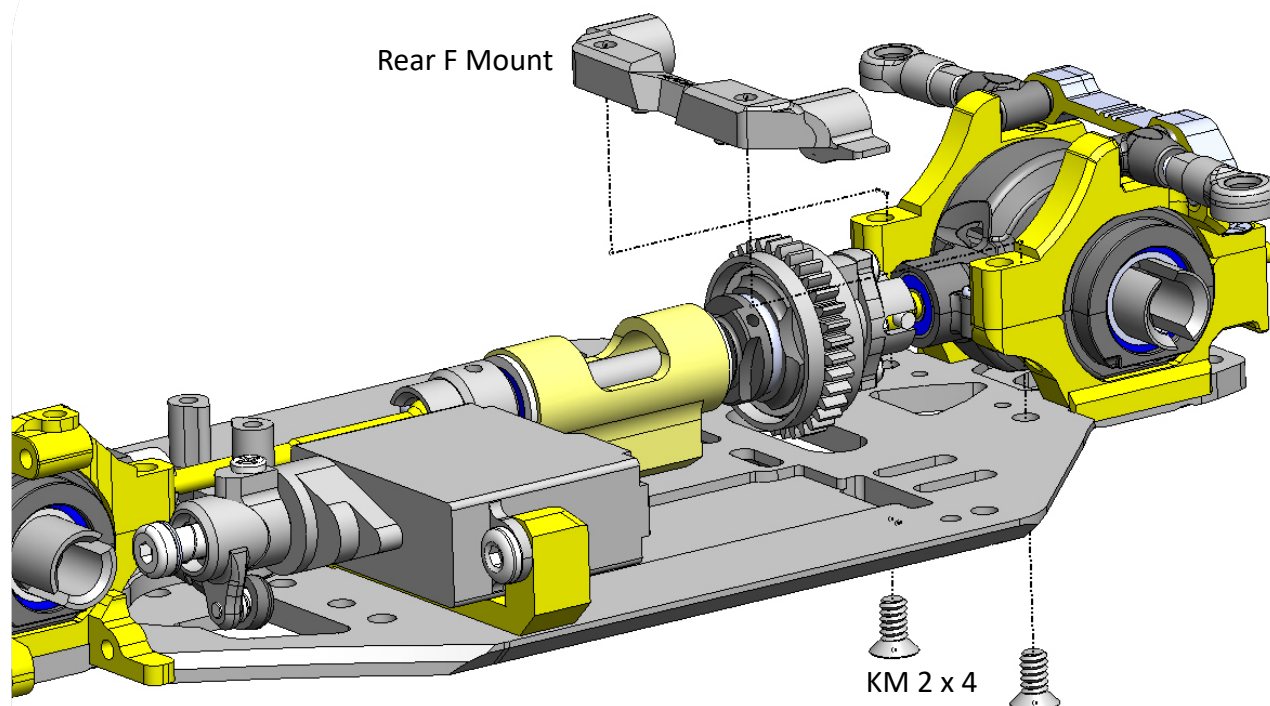


Caution:

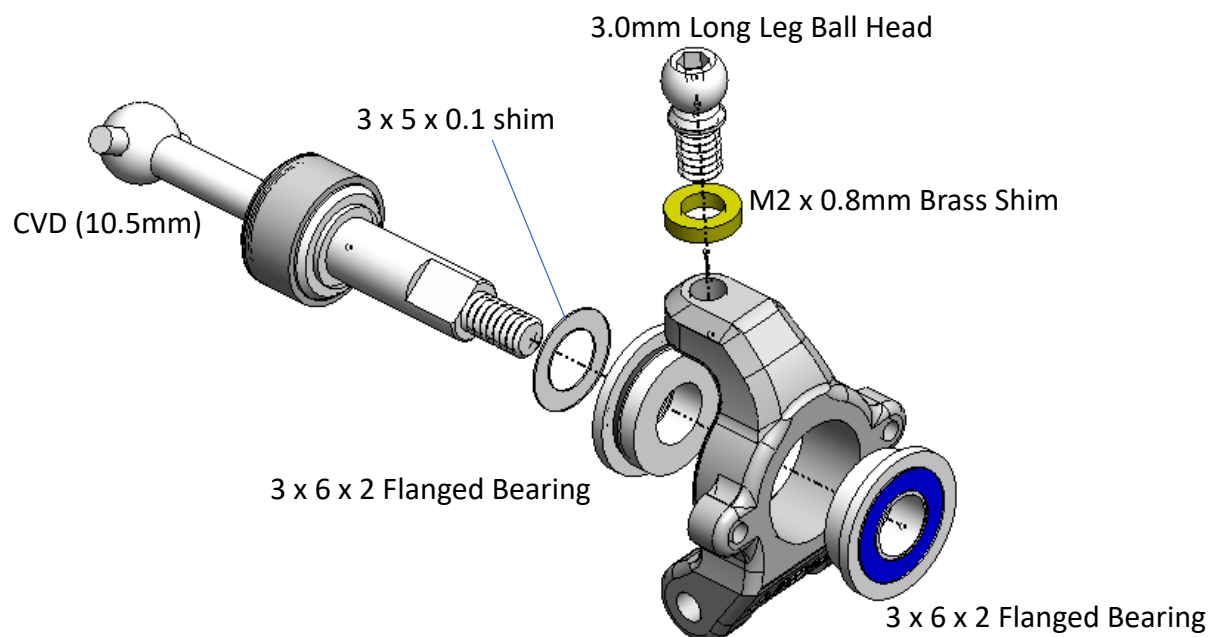
If the Upper arm is not moving freely, please use sandpaper to grind the "tip of the ball head". To remove burr (or raised edge) of the plastic ball head. Make sure the upper arm is moving freely.



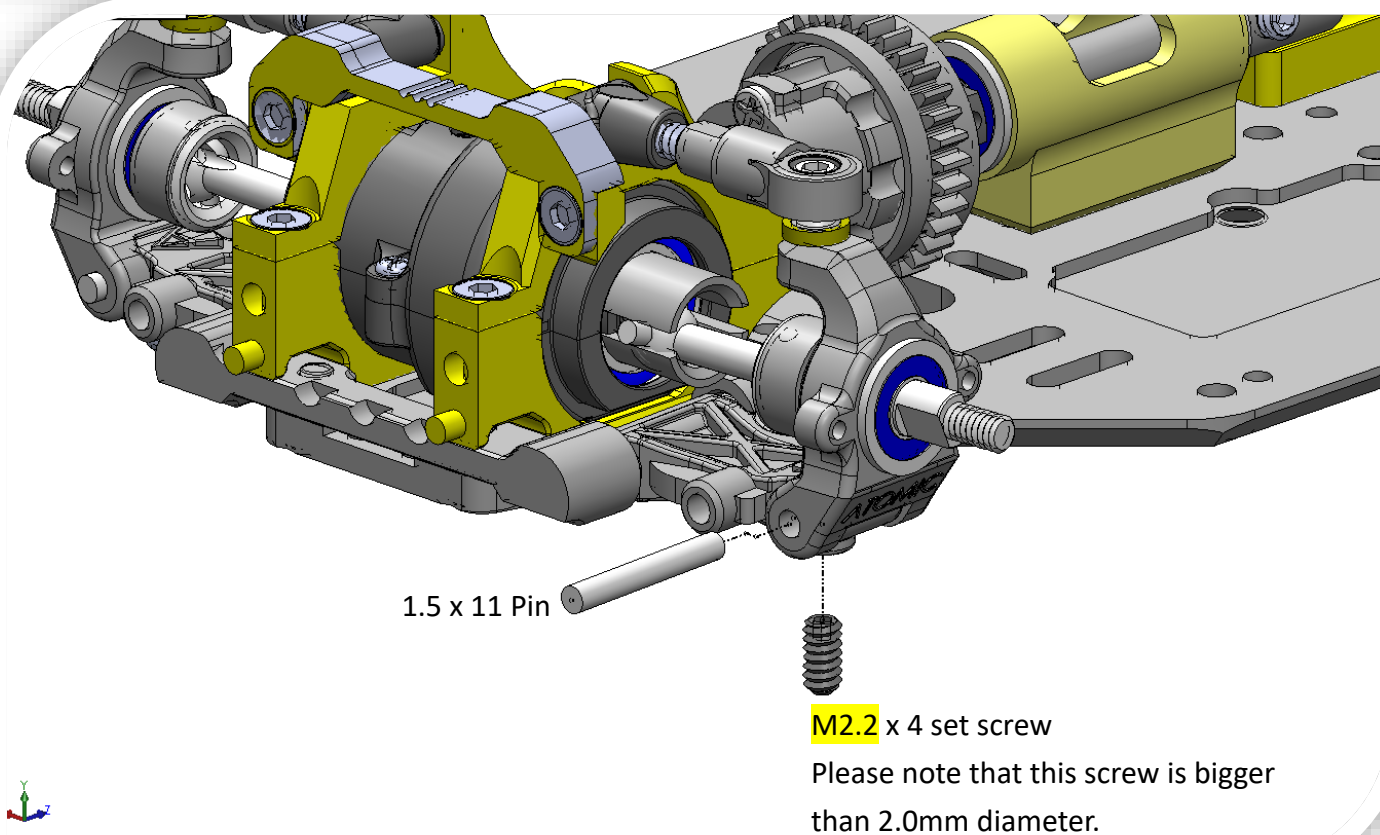
Remove the plastic flashes

17 Rear Arm

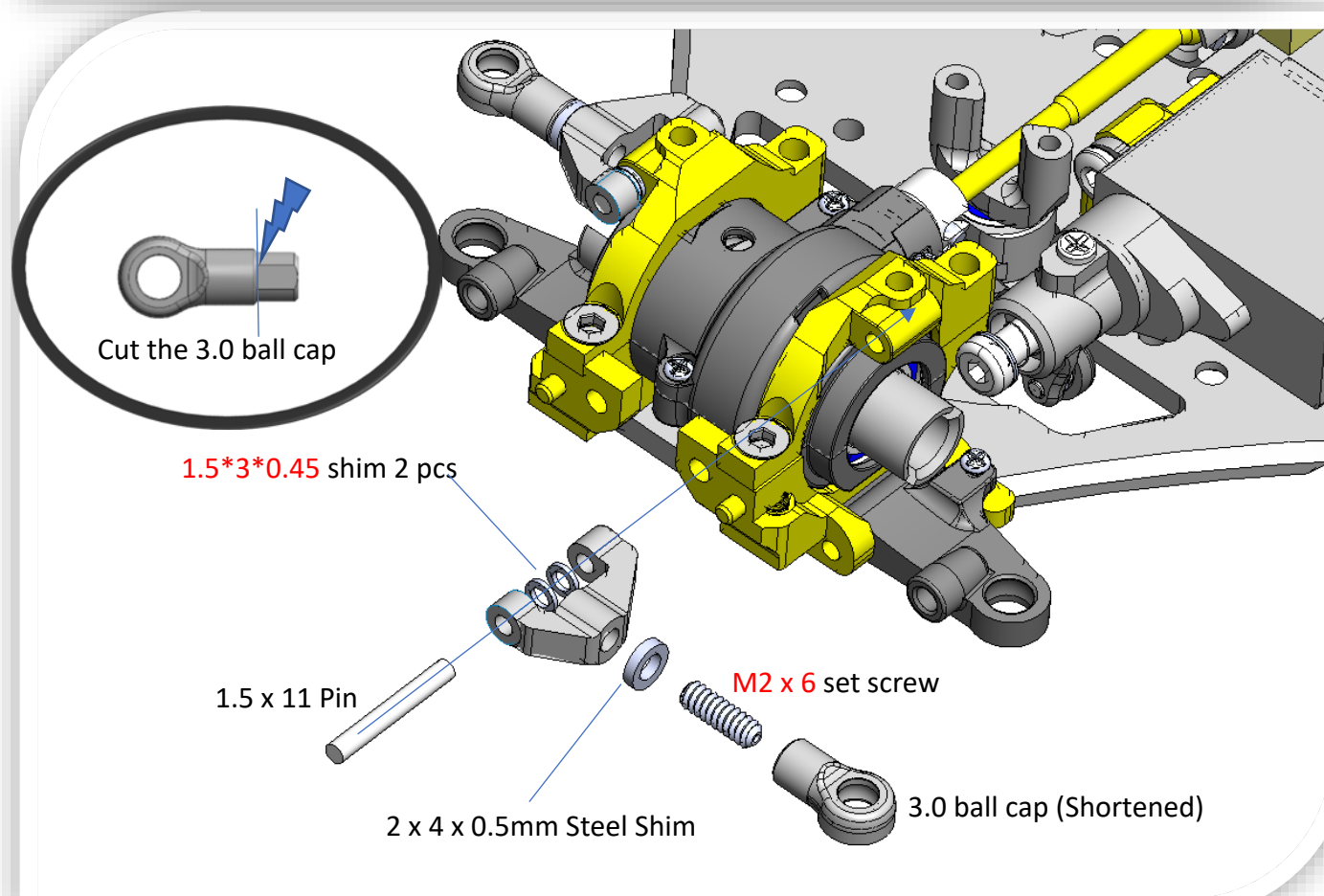
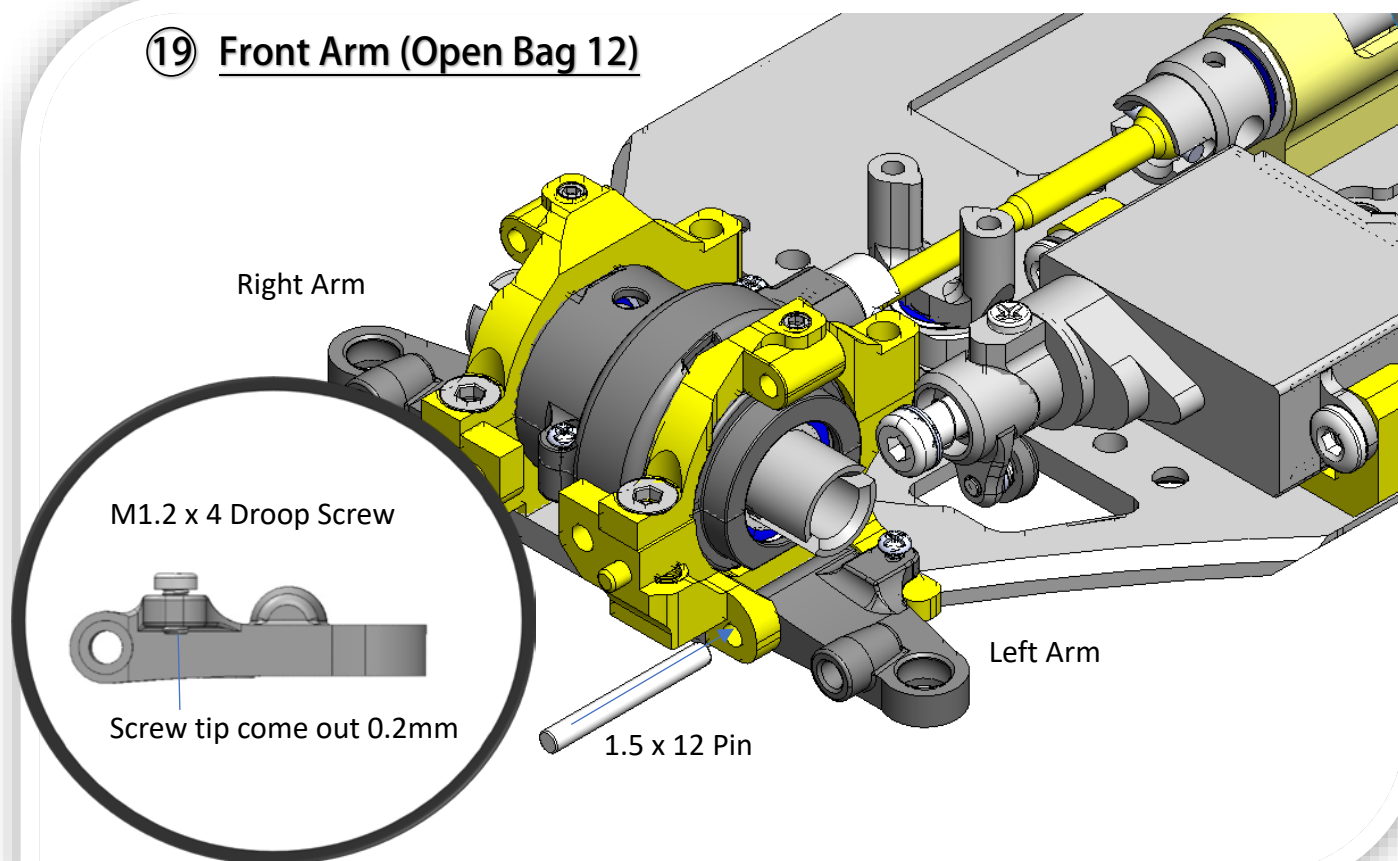
18 Rear Upright (Build 2 Set)



It may need 1 or 2 shims to minimize the wheel wobble, you need to try and check.



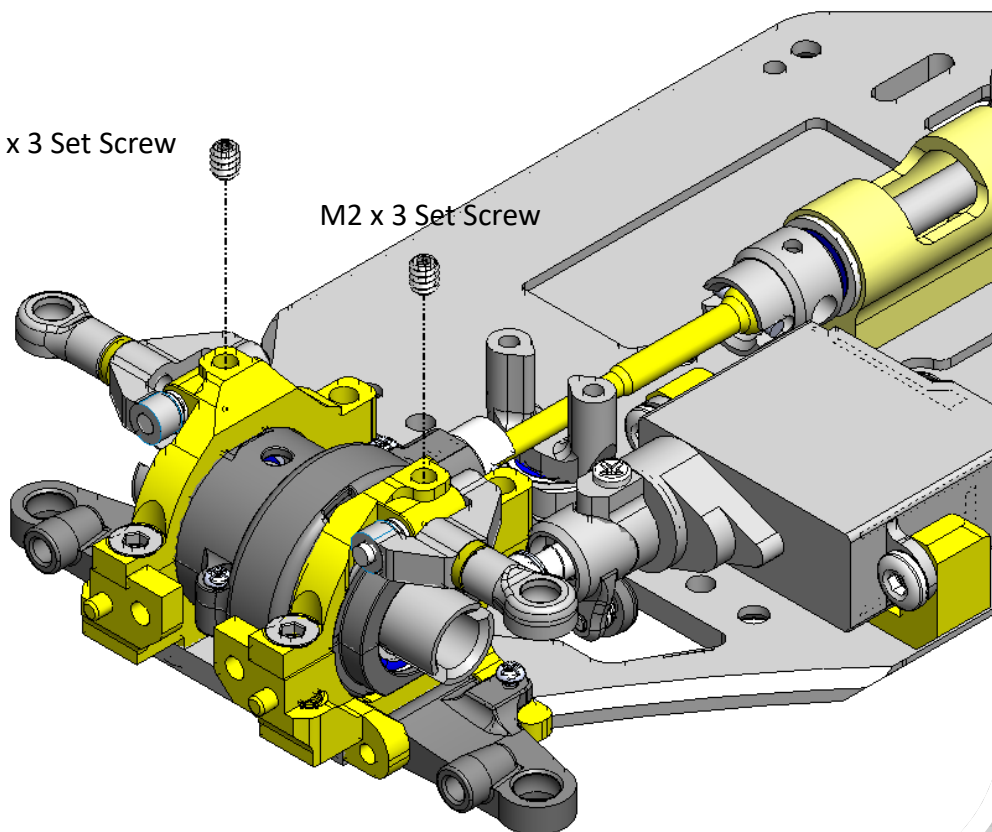
19 Front Arm (Open Bag 12)



19 Front Arm

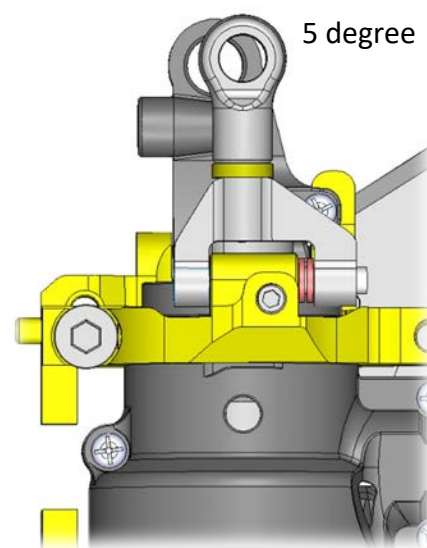
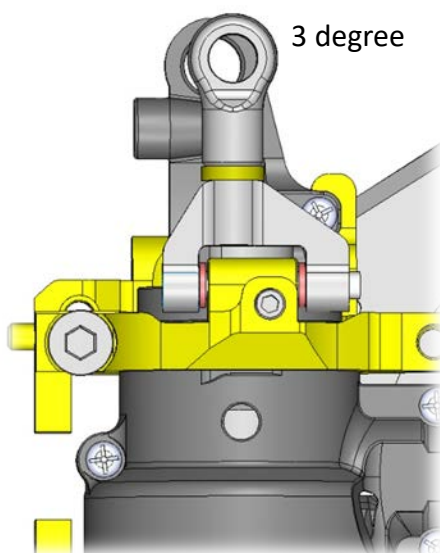
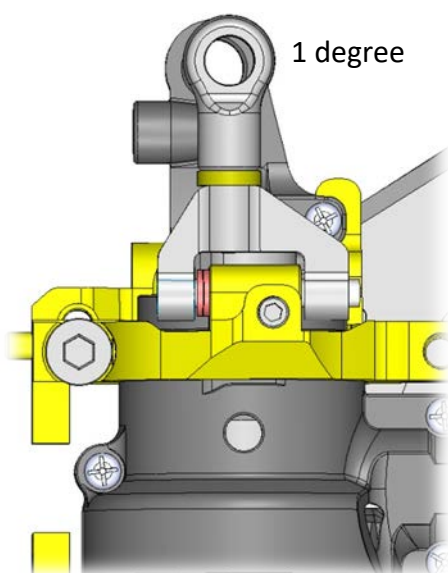
M2 x 3 Set Screw

M2 x 3 Set Screw



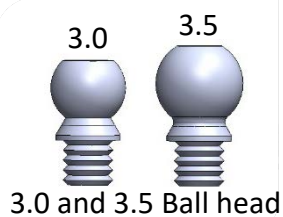
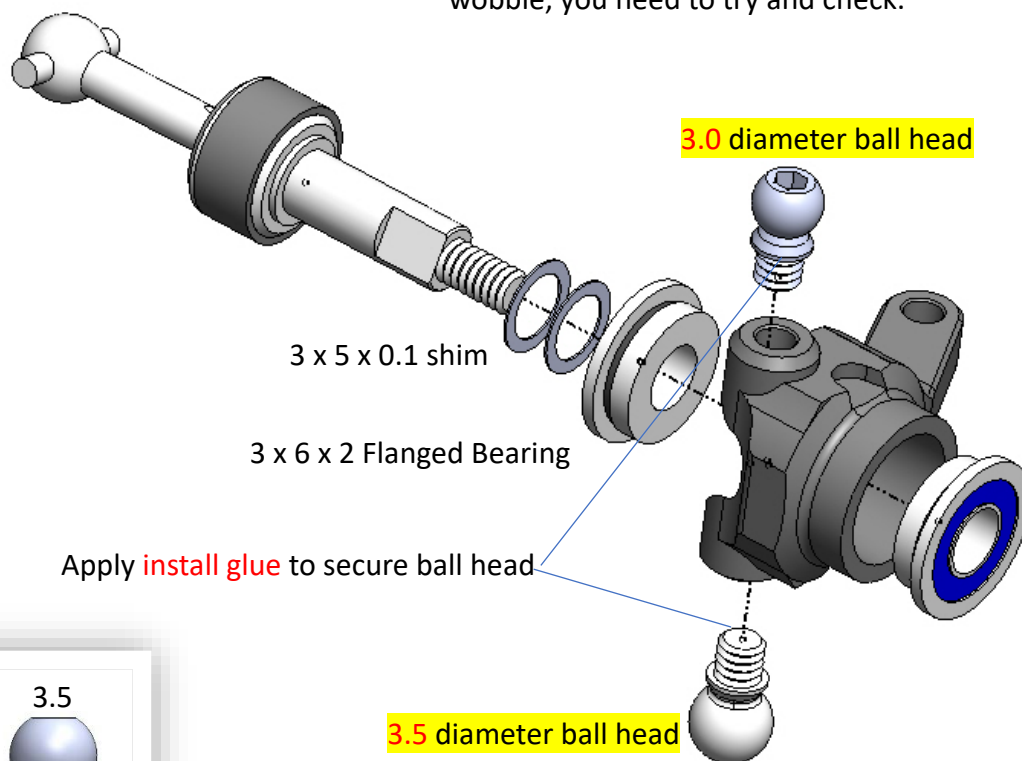
Note the position of the 0.45mm shims define the caster angle

More Caster Angle will result in more steering. Stock 1 degree is a good starting point.

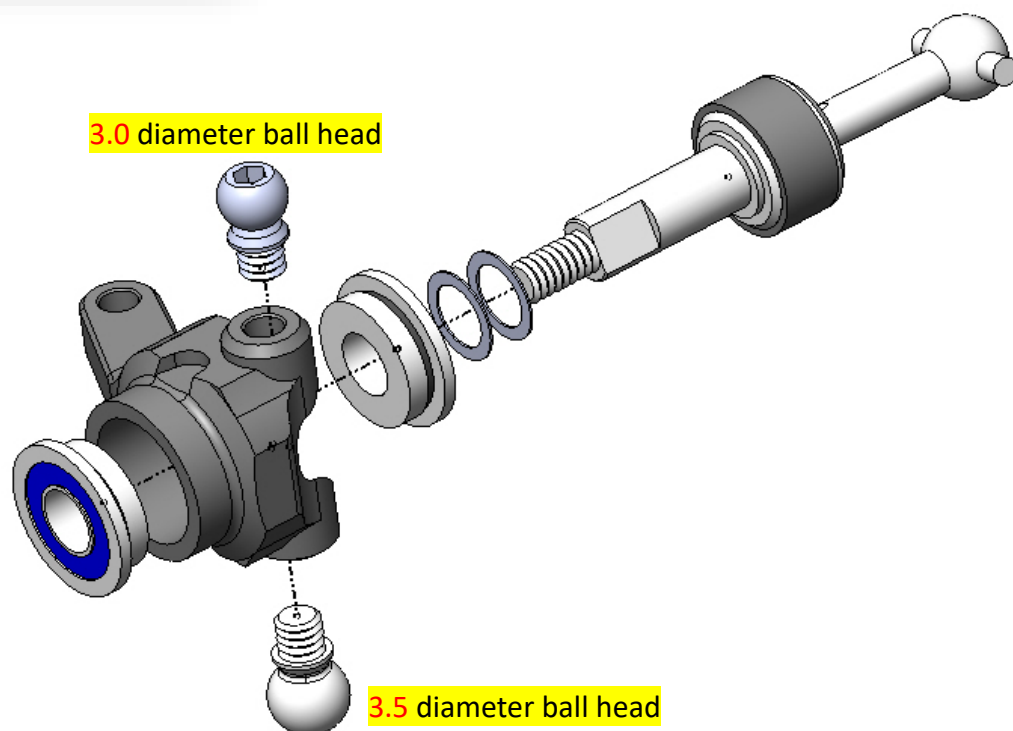


20 Left Knuckle

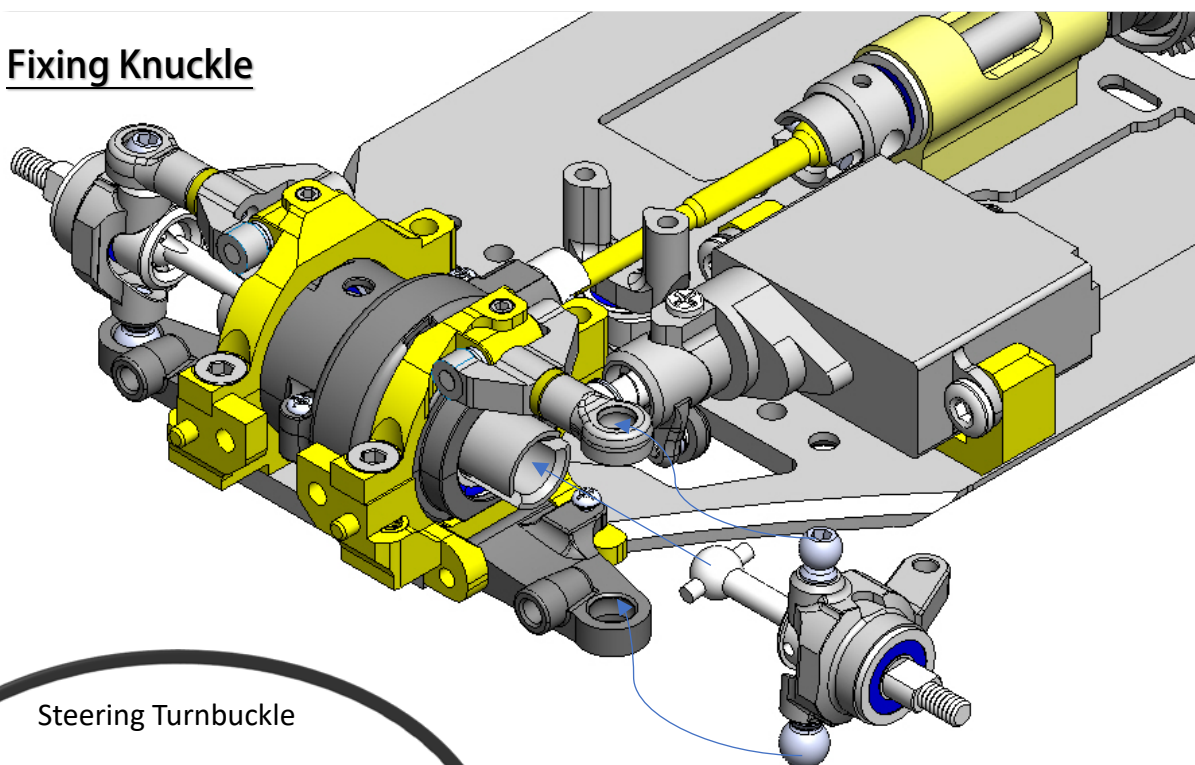
It may need 1 or 2 shims to minimize the wheel wobble, you need to try and check.



20 Right Knuckle

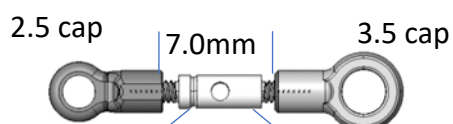


21 Fixing Knuckle



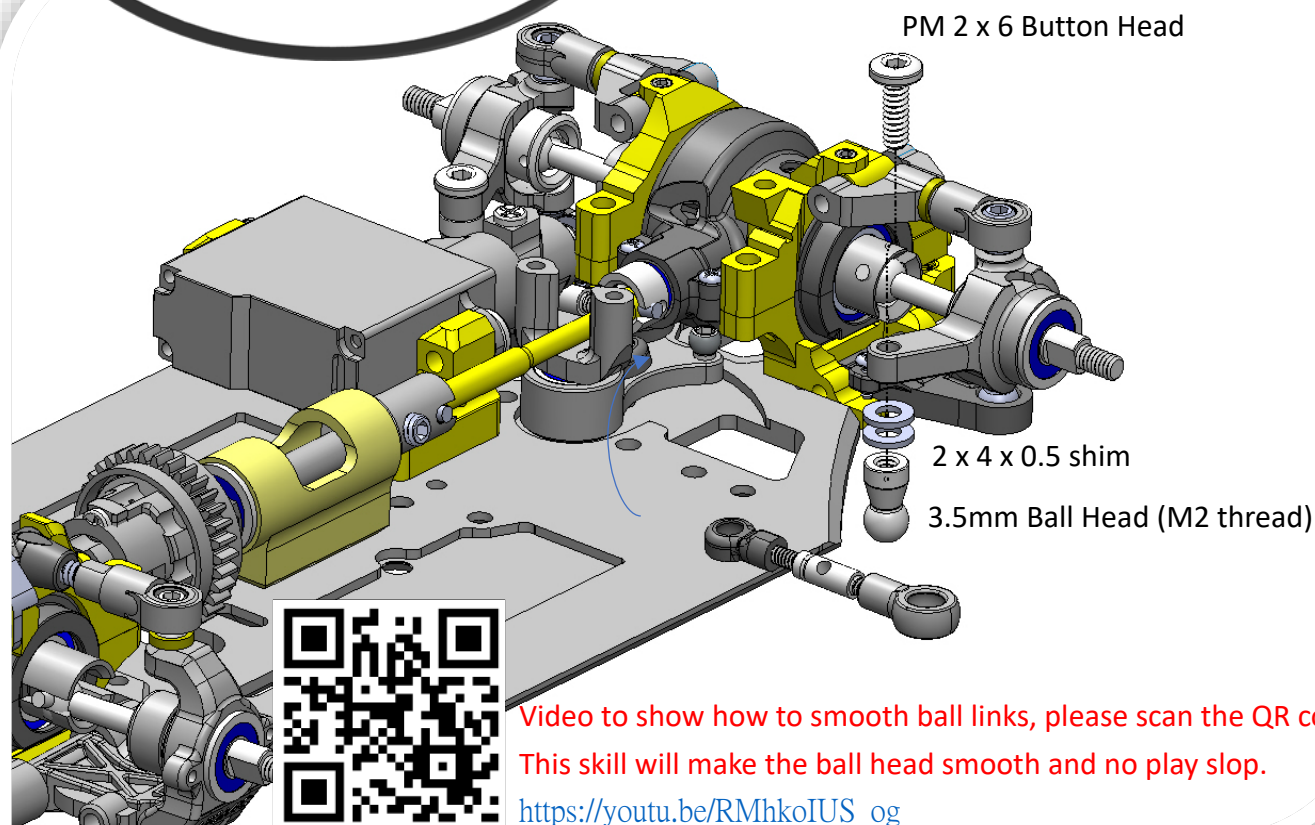
Fix the front knuckle to the arm

Steering Turnbuckle



Normal Thread

Reverse Thread



PM 2 x 6 Button Head

2 x 4 x 0.5 shim

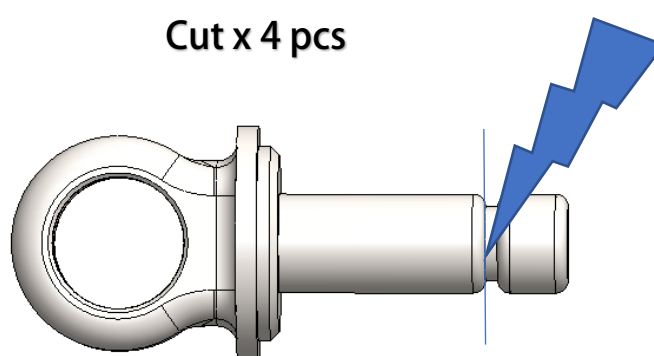
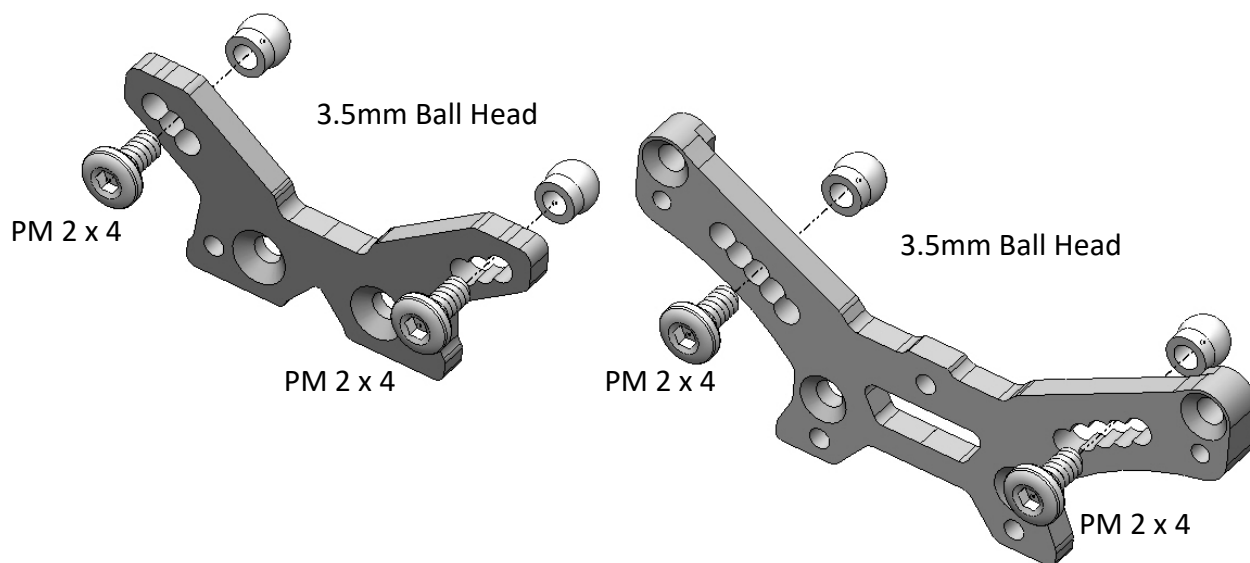
3.5mm Ball Head (M2 thread)



Video to show how to smooth ball links, please scan the QR code.
This skill will make the ball head smooth and no play slop.

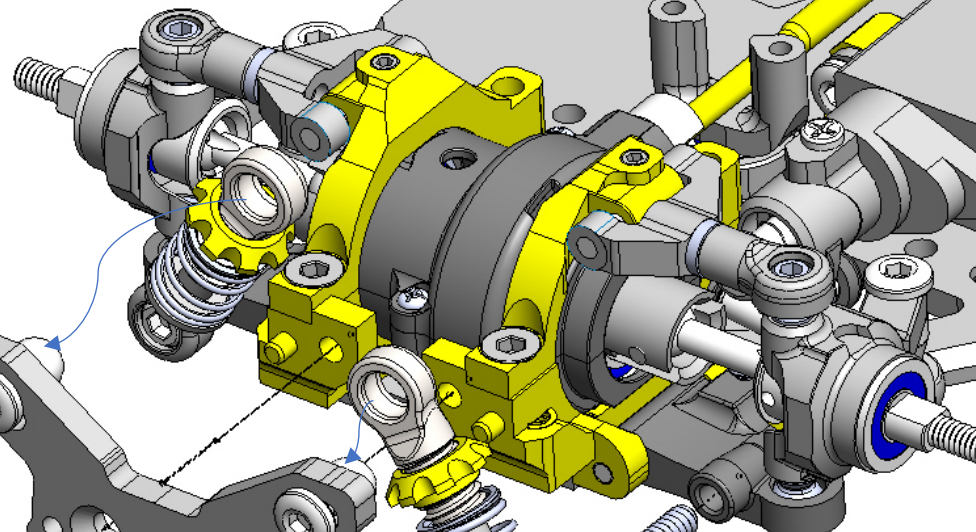
https://youtu.be/RMhkoIUS_og

22 Damper Shock (Open Bag 13)



Cut the first Segment of the damper leg.

Front Shock Tower



This diagram shows the front shock tower assembly in an exploded view. The main shock tower body is yellow, while the mounting brackets and other components are grey. A blue arrow points from the 'KM 2 x 4' label to a bracket. Another blue arrow points from the '3.5mm Ball Head' label to a ball joint. A red label 'M2 x 5 Set Screw' points to a set screw. The assembly includes various bolts, springs, and a shock absorber unit.

KM 2 x 4

M2 x 5 Set Screw

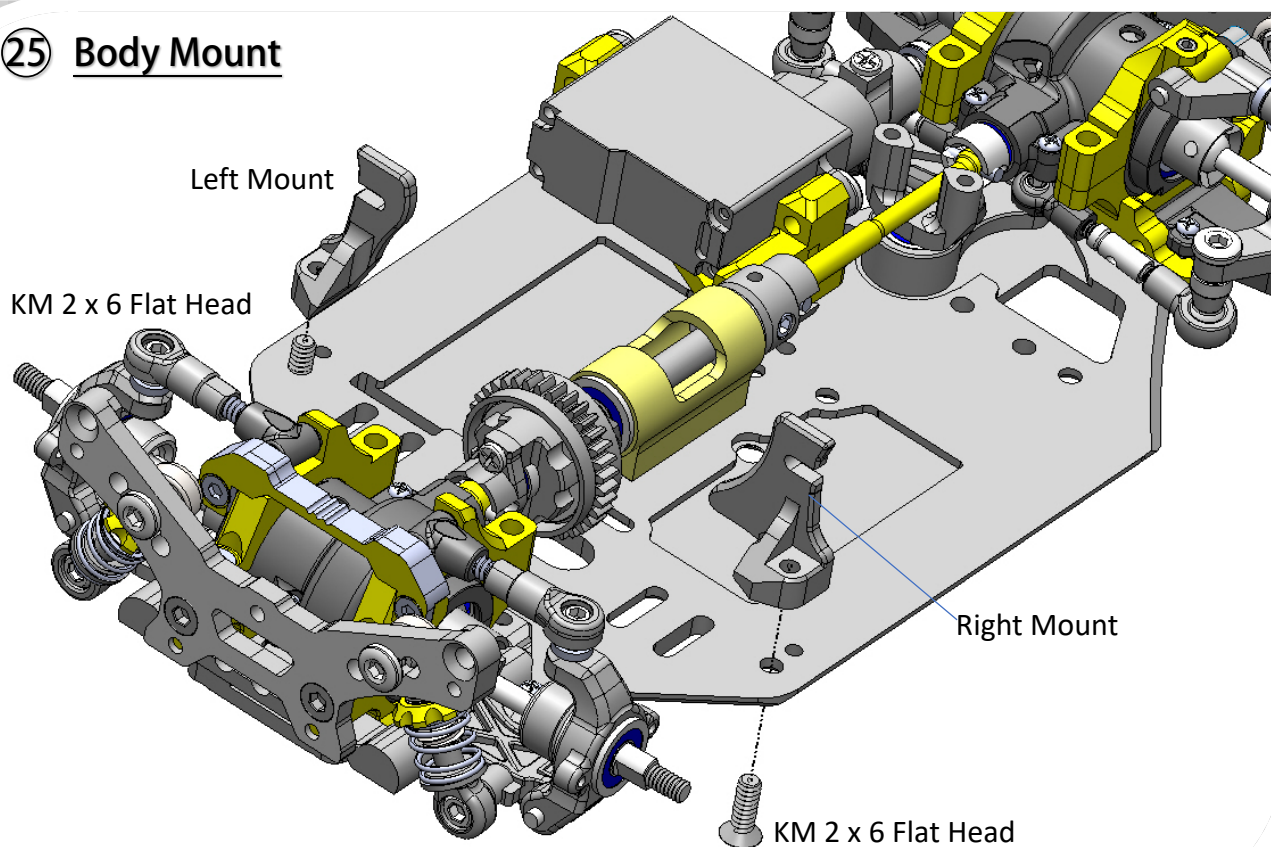
3.5mm Ball Head

Rear Shock Tower

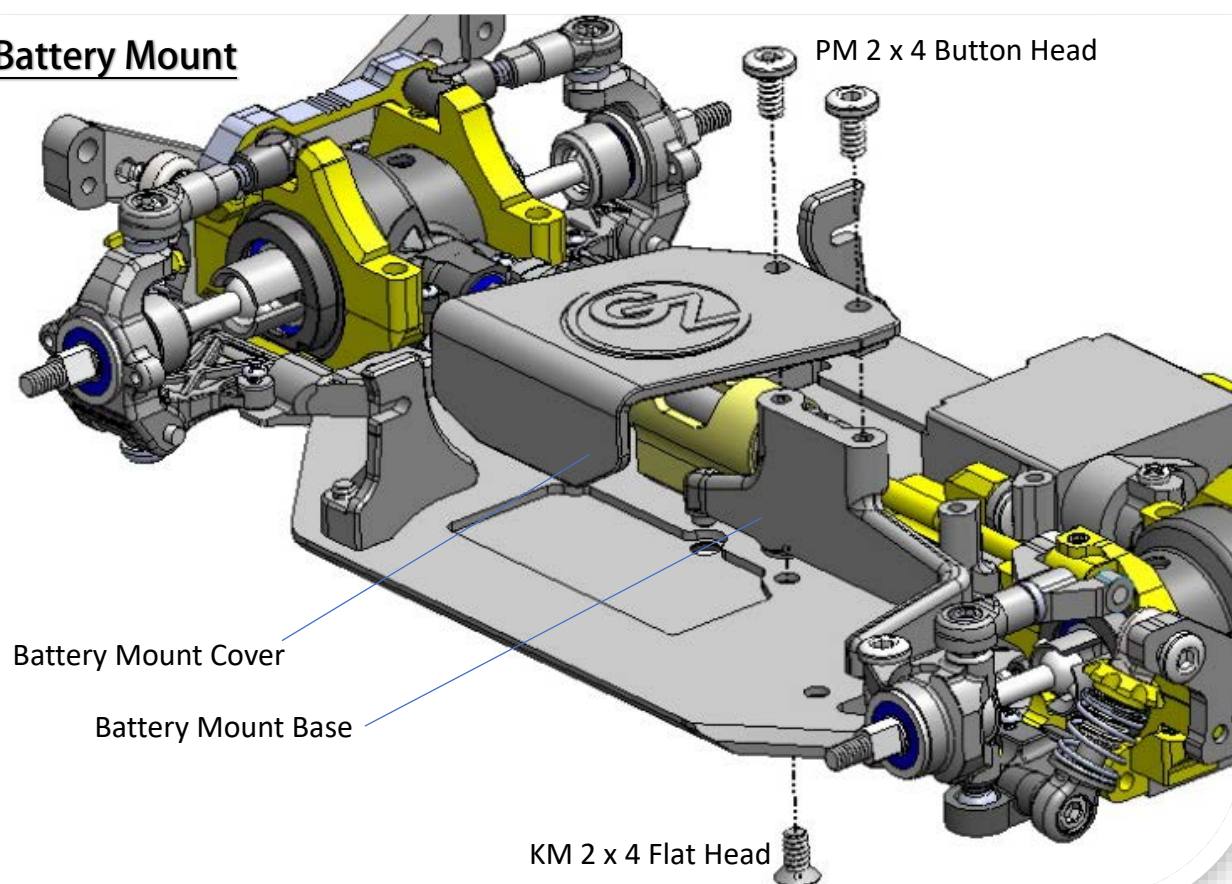
This diagram illustrates the assembly of the rear shock tower. The main assembly is shown in a partially exploded state, revealing the internal components including the shock absorber, springs, and various mounting brackets. A separate grey metal bracket, labeled 'KM 2 x 4', is shown to the left. Below the main assembly, a yellow shock absorber is shown with a spring. To the right, a '3.5mm Ball Head' and an 'M2 x 5 Set Screw' are shown, with dashed lines indicating their placement in the assembly. The background is a light grey, and the components are rendered in a clean, technical style.

27

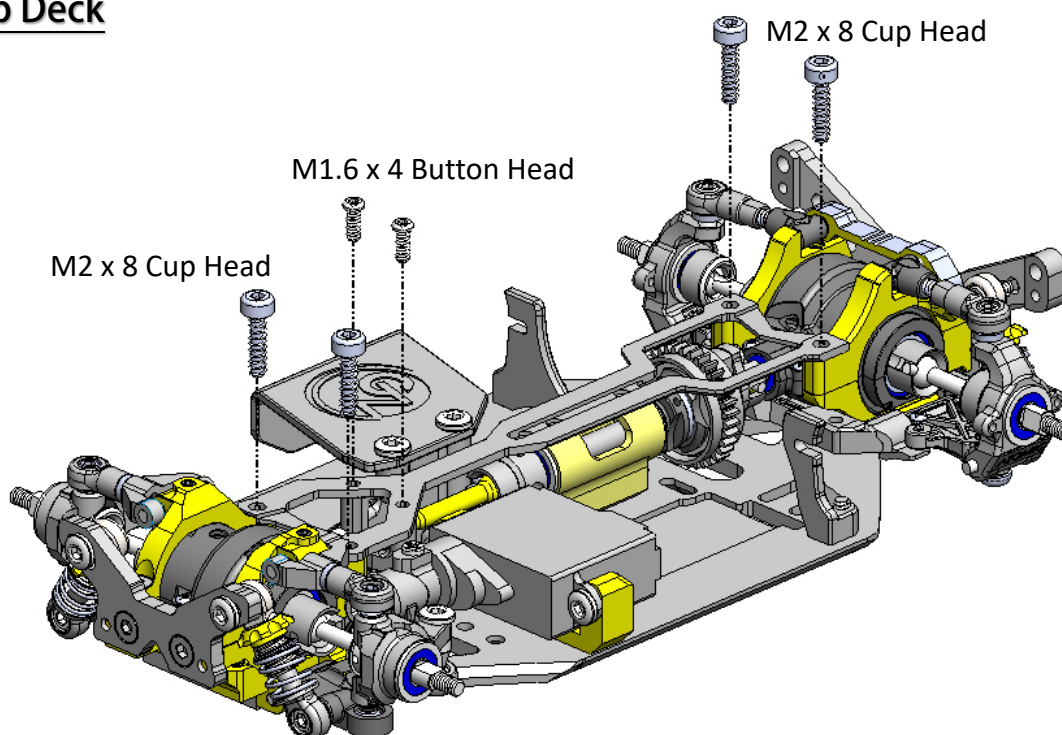
25 Body Mount



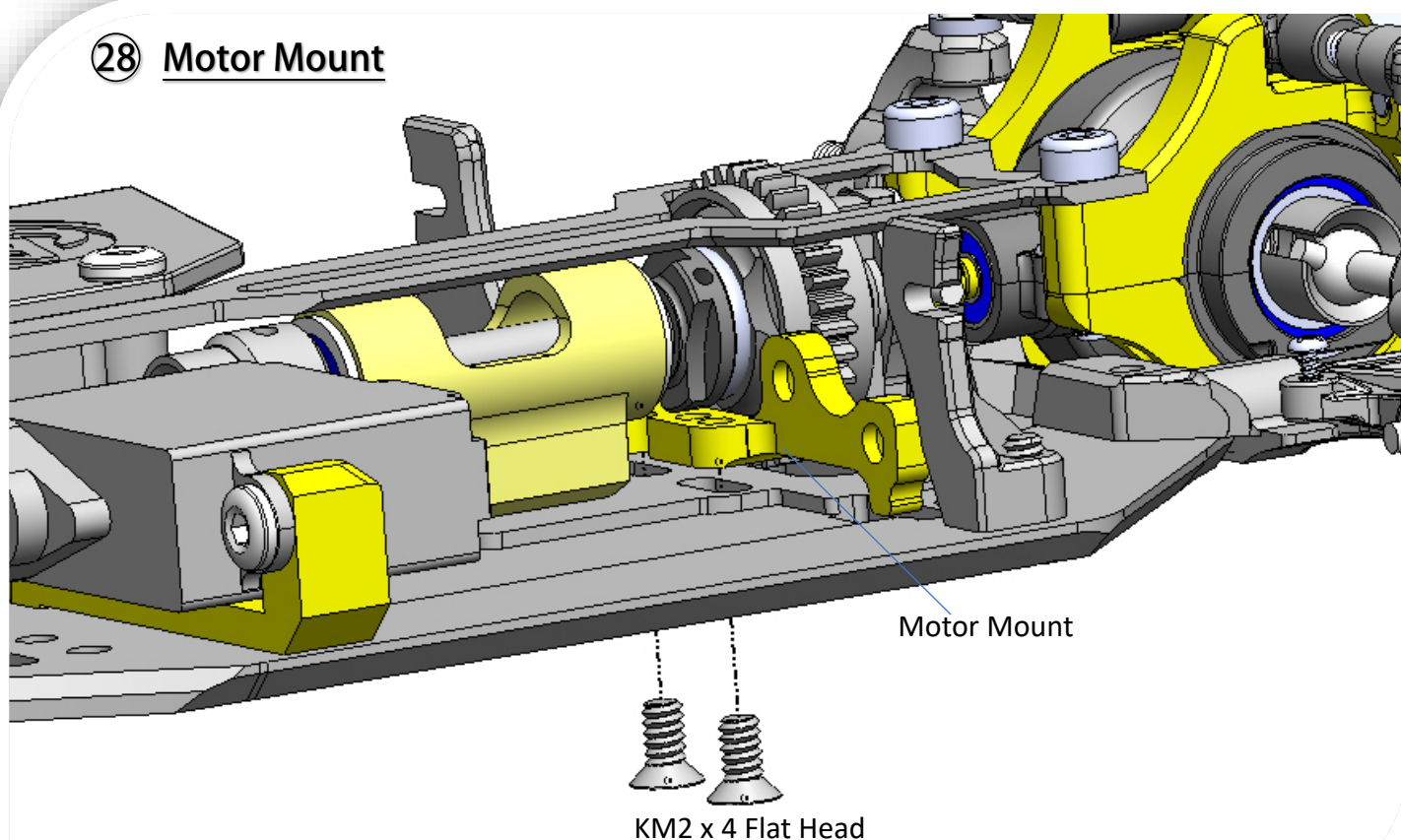
26 Battery Mount

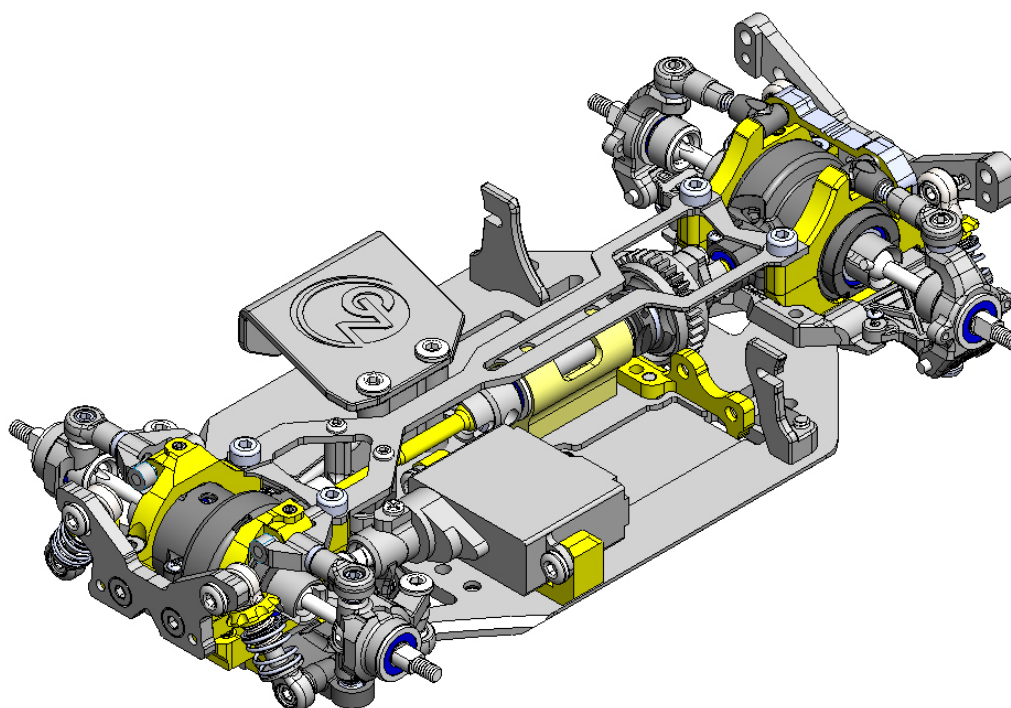


27 Top Deck



28 Motor Mount





Gear Ratio Chart – SZ2

SZ2	Pinion	23T	24T	25T	26T	27T	28T	29T	30T	31T	32T
Spur	35T	5.33	5.10	4.90	4.71	4.54	4.38	4.22	4.08	3.95	3.83

Recommended Gear Ratio:

3500KV : 4.08 to 3.83

4500KV : 4.54 to 4.22

5500KV : 4.90 to 4.71

6500KV : 5.33 to 5.10

Optional Parts List

SZ2-UP01	SZ2 Spring Steel Chassis Plate (35 gram)
SZ2-UP02	SZ2 Alu. Servo Horn (servo saver)
SZ2-UP03	SZ2 Front Sway Bar
SZ2-UP04	SZ2 Rear Shock Extender
SZ2-UP05	SZ2 Alu. Shock Tower (F+R)
SZ2-UP06	SZ2 Long Damper Set (F+R)
SZ2-UP07	SZ2 Rear Alu. Arms
SZ2-UP08	SZ2 Alu Ball Diff
SZ2-UP09	SZ2 Carbon Battery Mount
SZ2-UP10	SZ2 Alu. Steering Crank
SZ2-UP11	SZ2 Alu. Center Diff Hub
SZ2-UP12XS	SZ2 Spring -Extra Soft (Black)
SZ2-UP12S	SZ2 Spring -Soft (Gold)
SZ2-UP12M	SZ2 Spring -Medium (Red)
SZ2-UP12H	SZ2 Spring -Hard (Silver)
SZ2-UP12XH	SZ2 Spring -Extra Hard (Blue)
SZ2-UP13-27	Motor Pinion 27T-64DP
SZ2-UP13-28	Motor Pinion 28T-64DP
SZ2-UP13-29	Motor Pinion 29T-64DP
SZ2-UP14	SZ2 Aluminium Chassis Plate (20 gram)