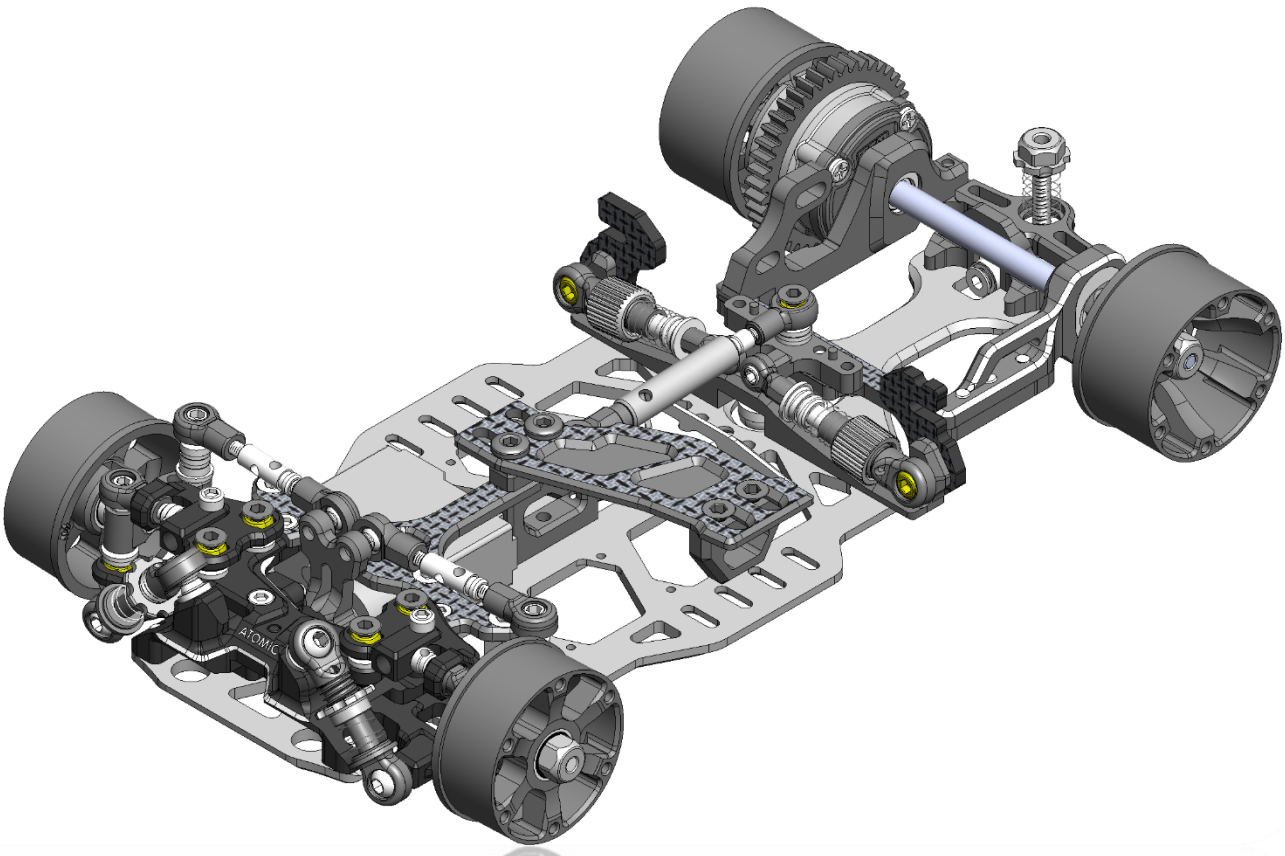
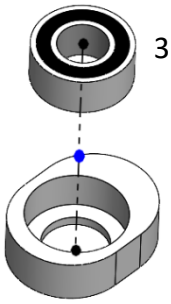
MRX Master Edition



Version 1.0 (05-01-2025)

Step 01 (open Bag 01 to 06)

Build 2 pcs

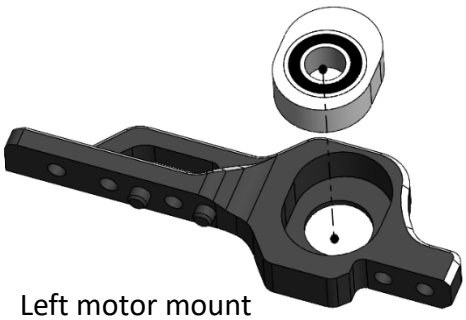


3 x 6 x 2.5 Bearing

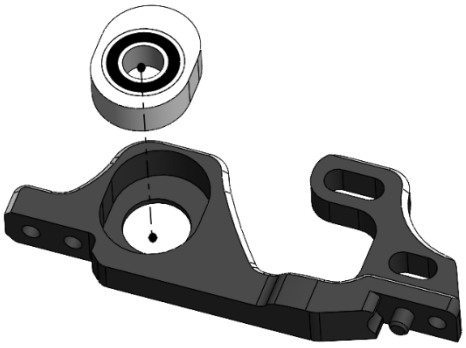
Delrin Bearing Hub

Step 02

Pay attention to the orientation of the bearing hub

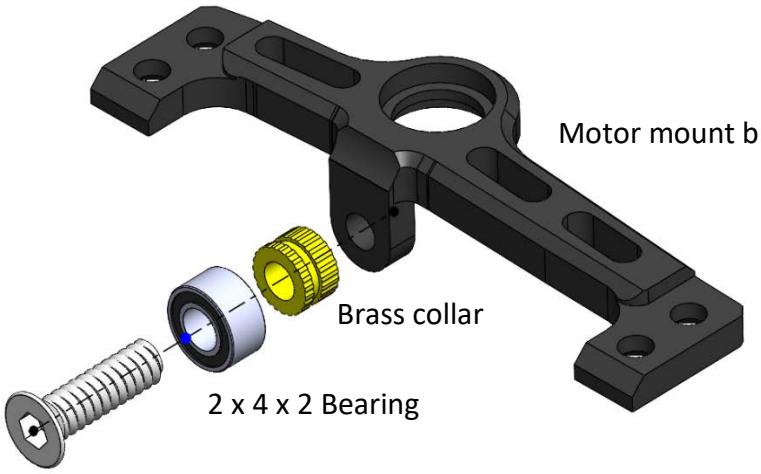


Left motor mount



Right motor mount

Step 03



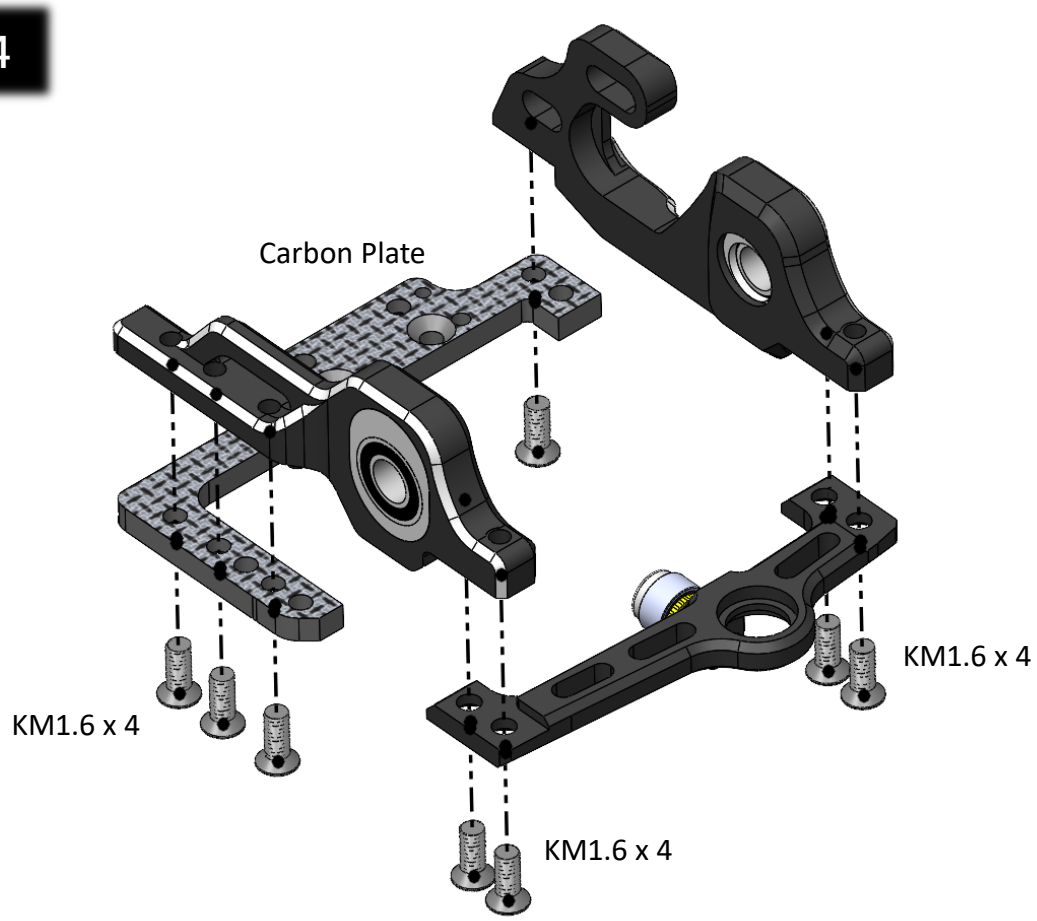
Motor mount bridge

Brass collar

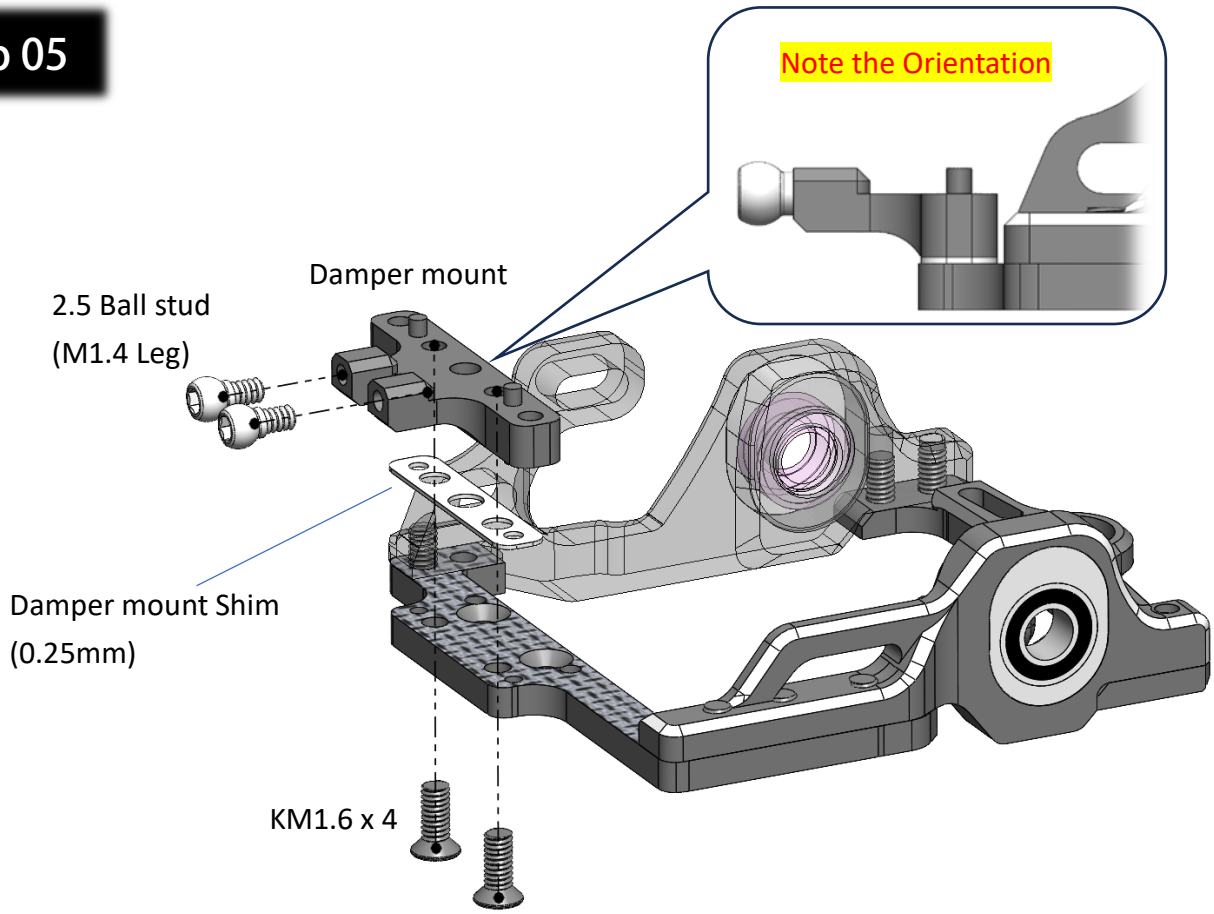
2 x 4 x 2 Bearing

KM2 x 7 (Silver color)

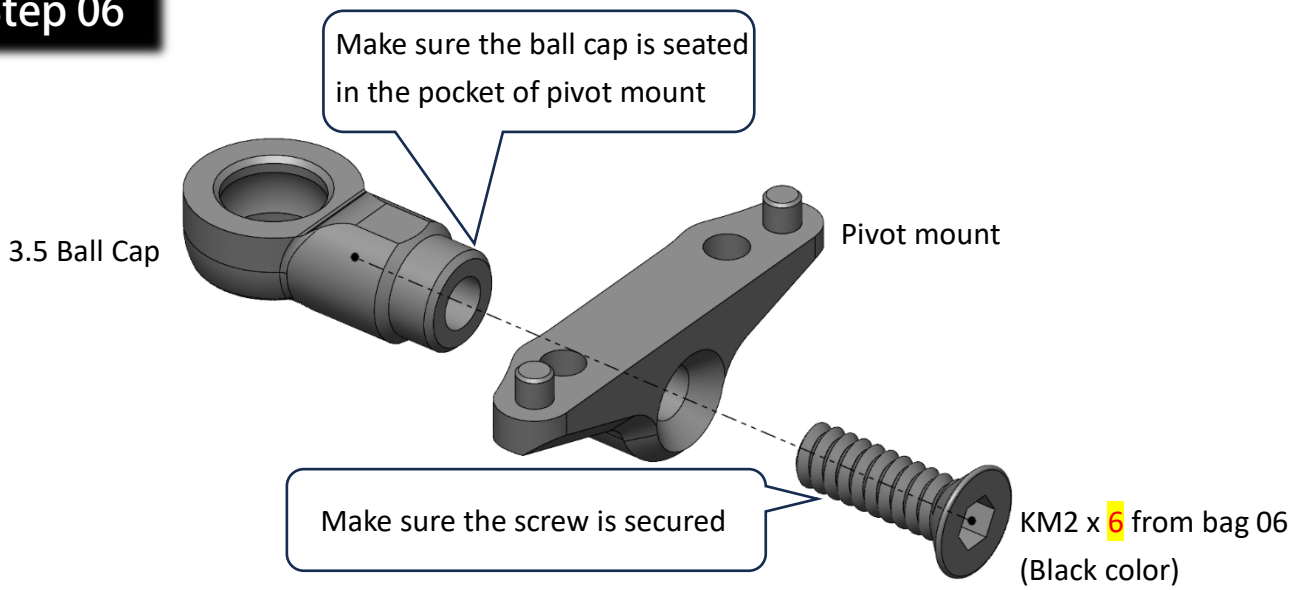
Step 04



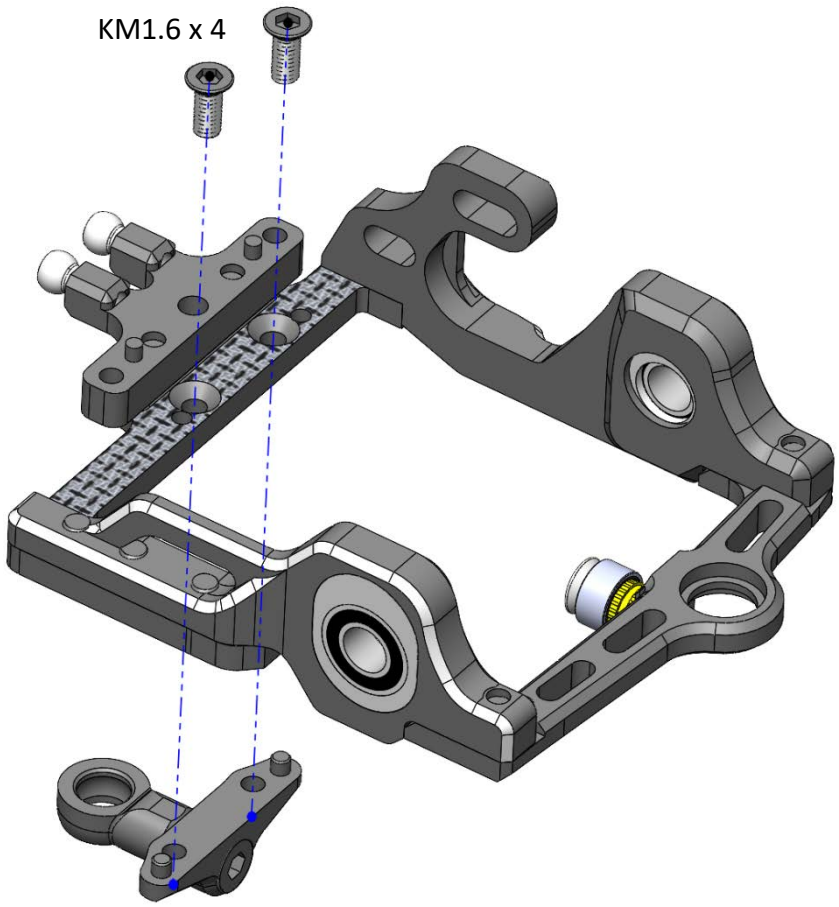
Step 05



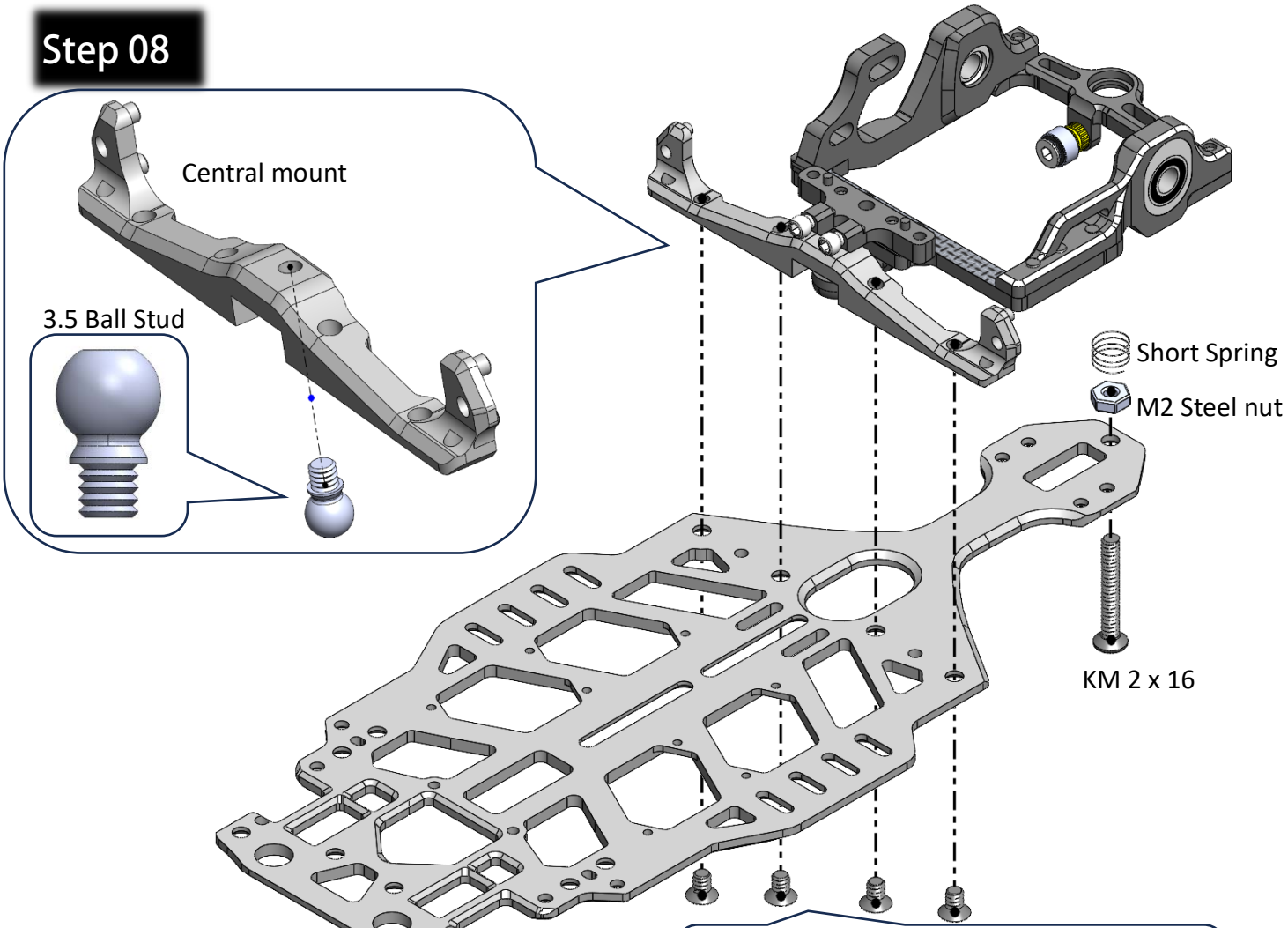
Step 06



Step 07

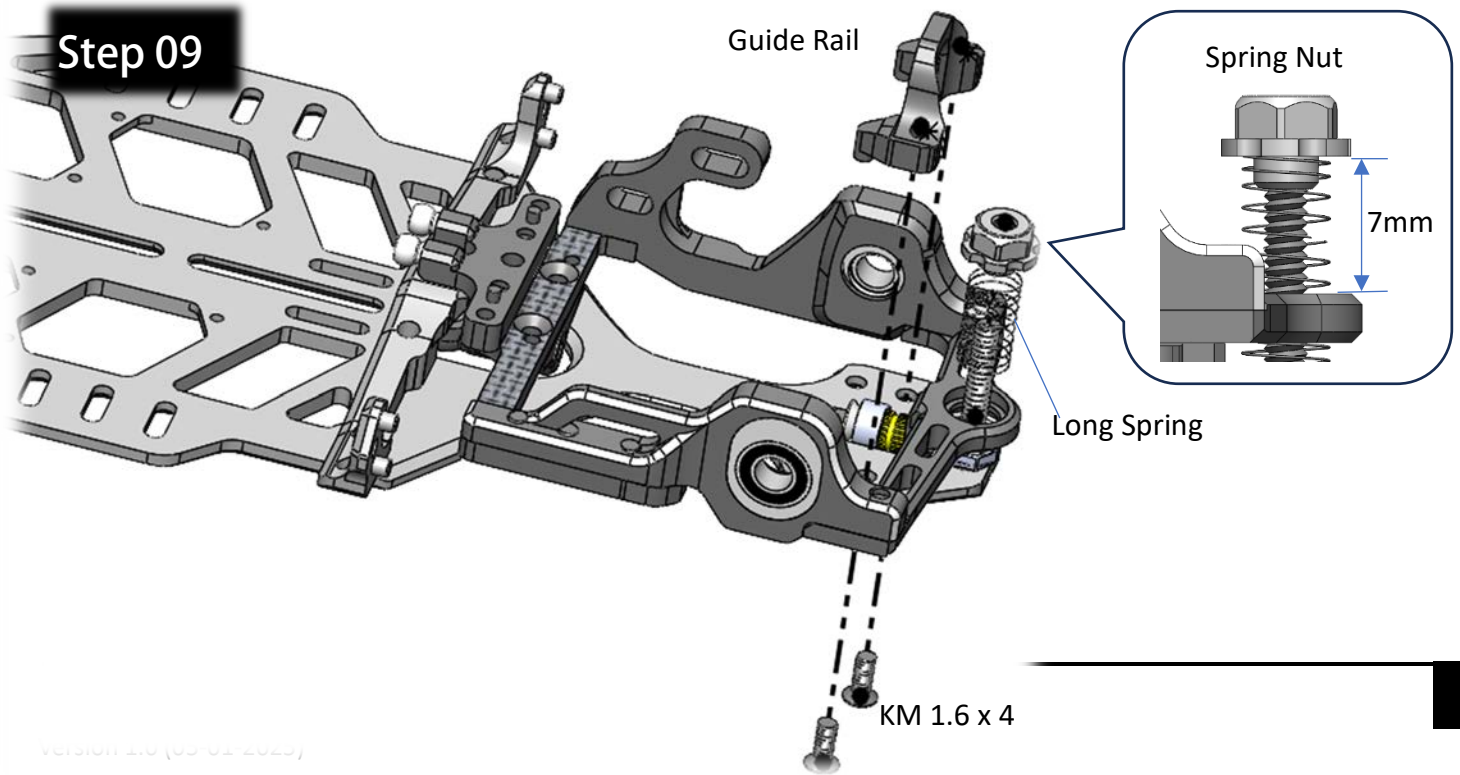


Step 08

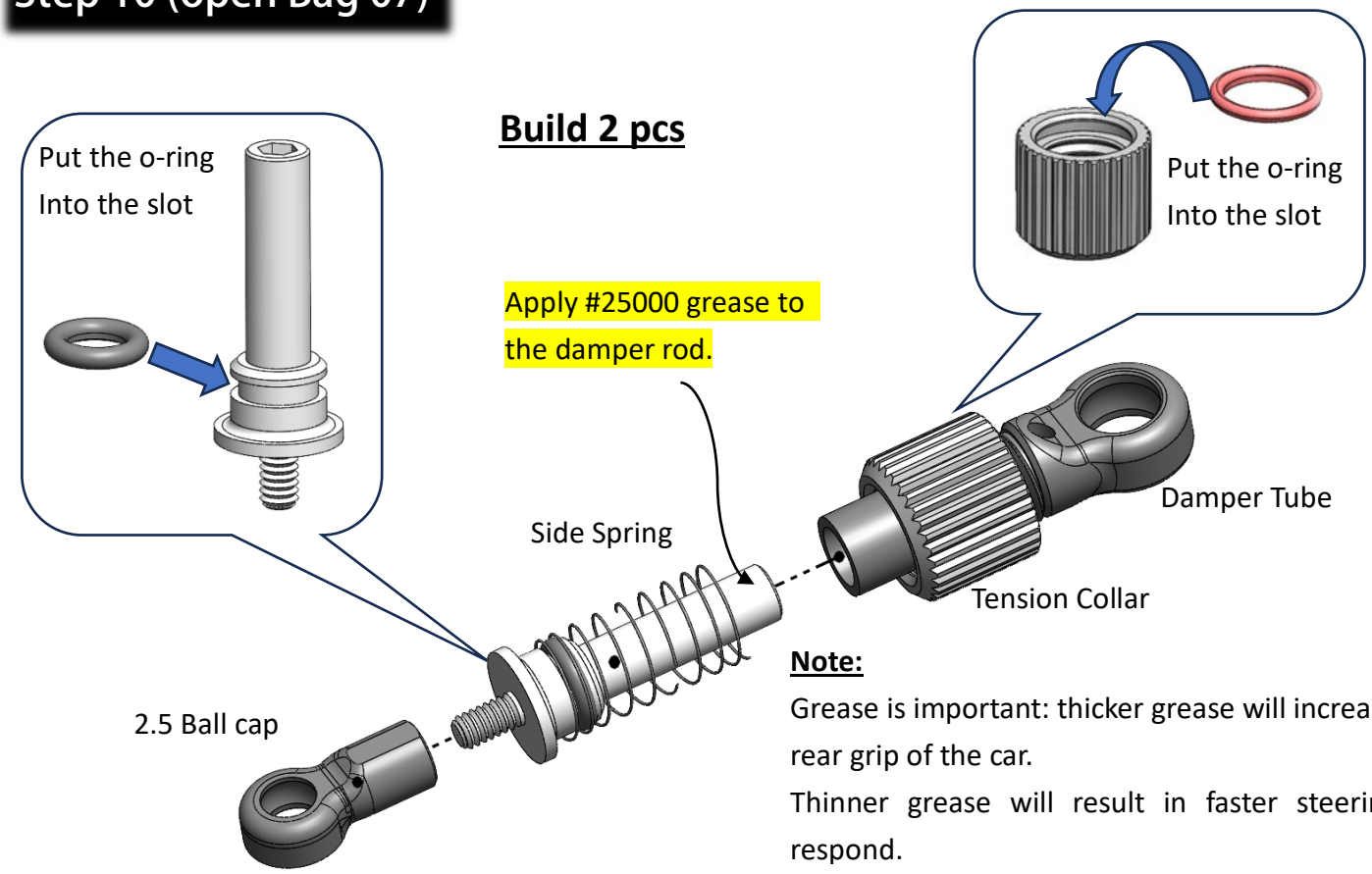


KM 2 x 3 (from Bag 06)
must be x3mm long, otherwise the screw tip will touch the side damper.

Step 09



Step 10 (open Bag 07)

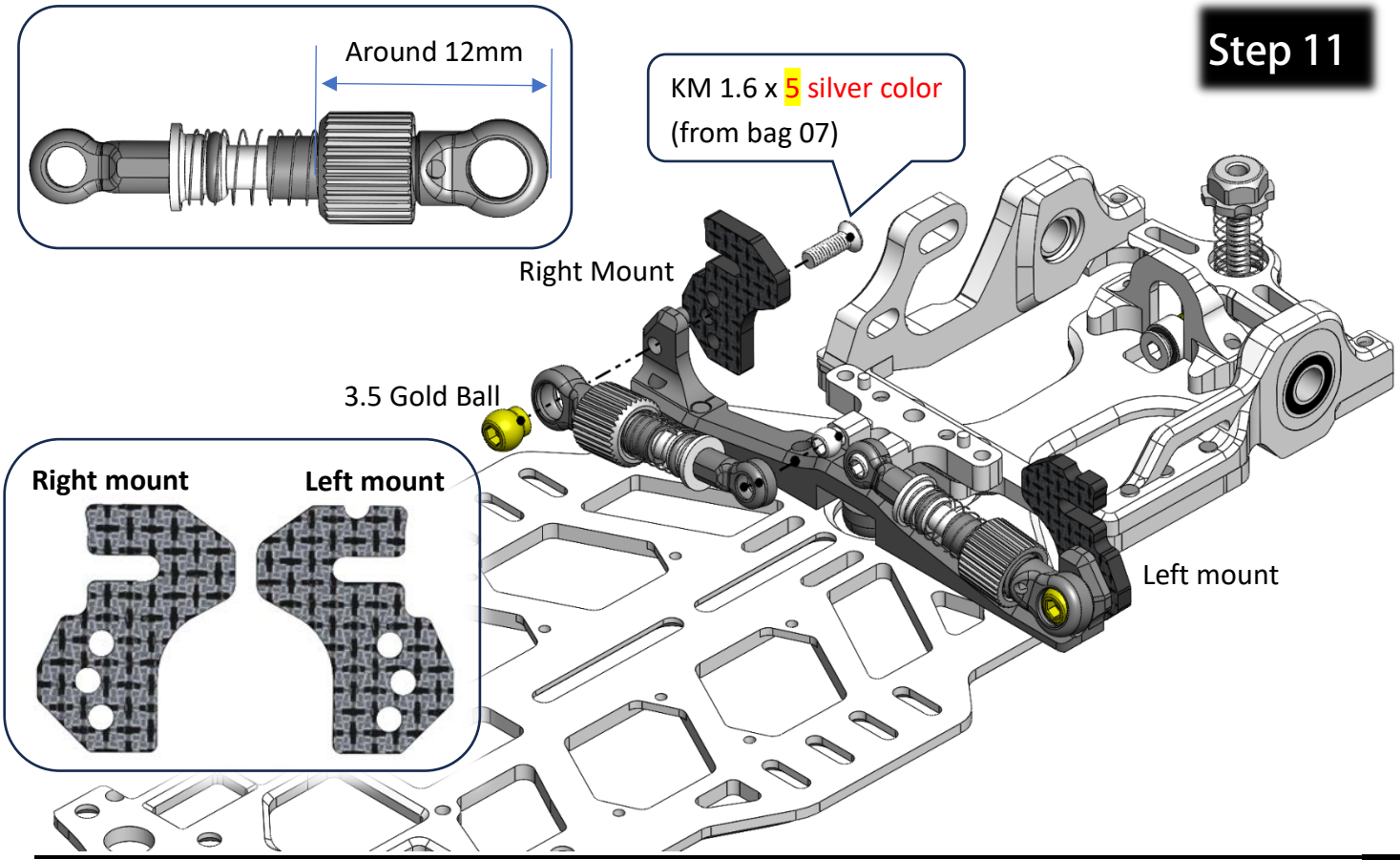


Note:

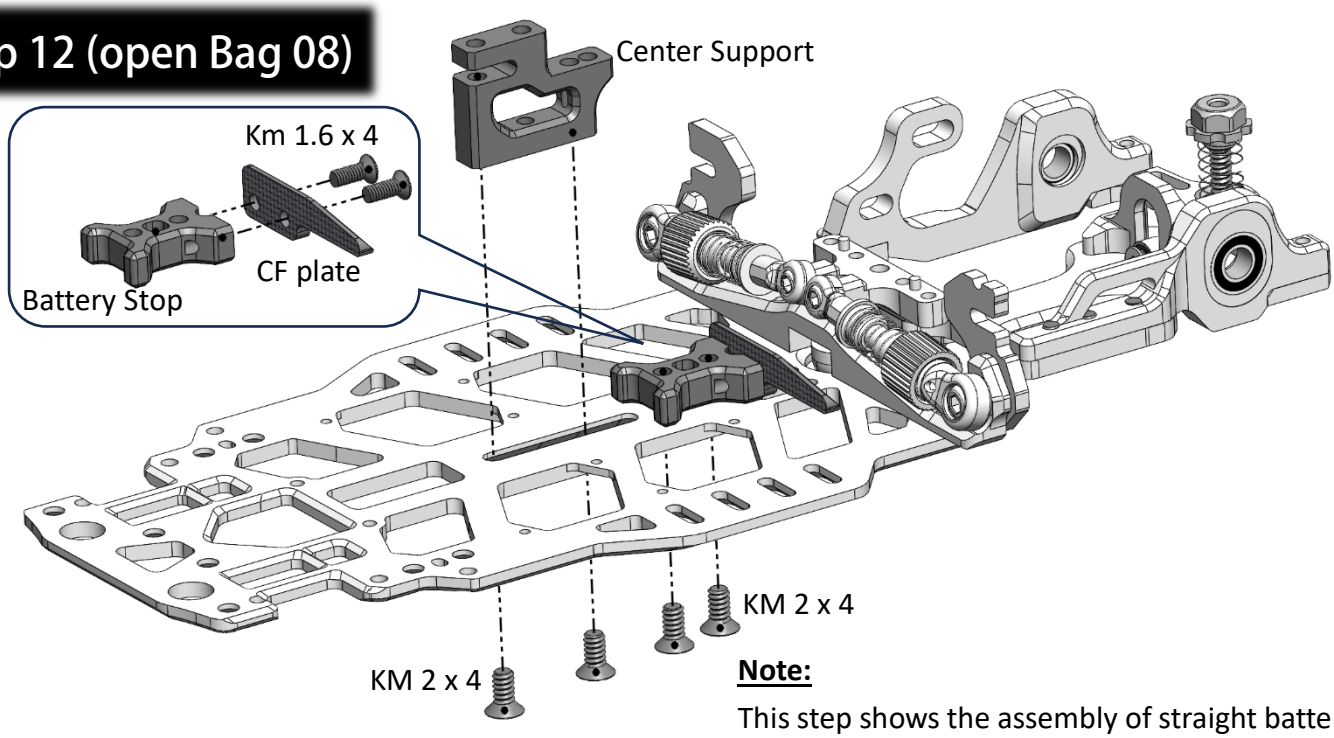
Grease is important: thicker grease will increase rear grip of the car.

Thinner grease will result in faster steering respond.

Step 11



Step 12 (open Bag 08)

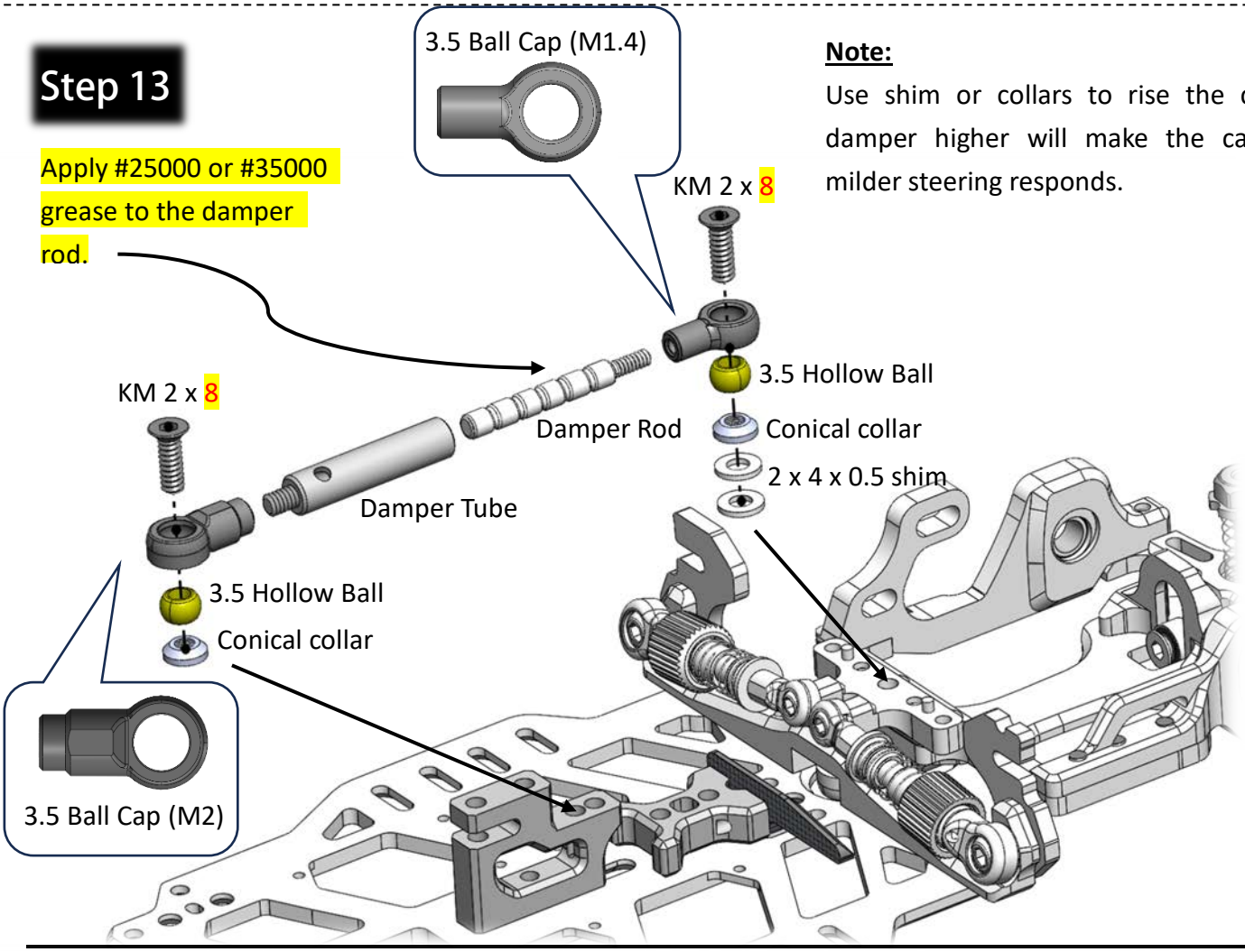


Note:

This step shows the assembly of straight battery configuration. For horizontal config, please refer to later steps

Step 13

Apply #25000 or #35000 grease to the damper rod.



Note:

Use shim or collars to rise the center damper higher will make the car has milder steering responds.

Step 14 (open Bag 09)

CM 1.4 x 5

Have to install from this side of servo horn

Servo Mount

AGF A06

PM 2 x 4

PM 2 x 4

PM 2 x 4

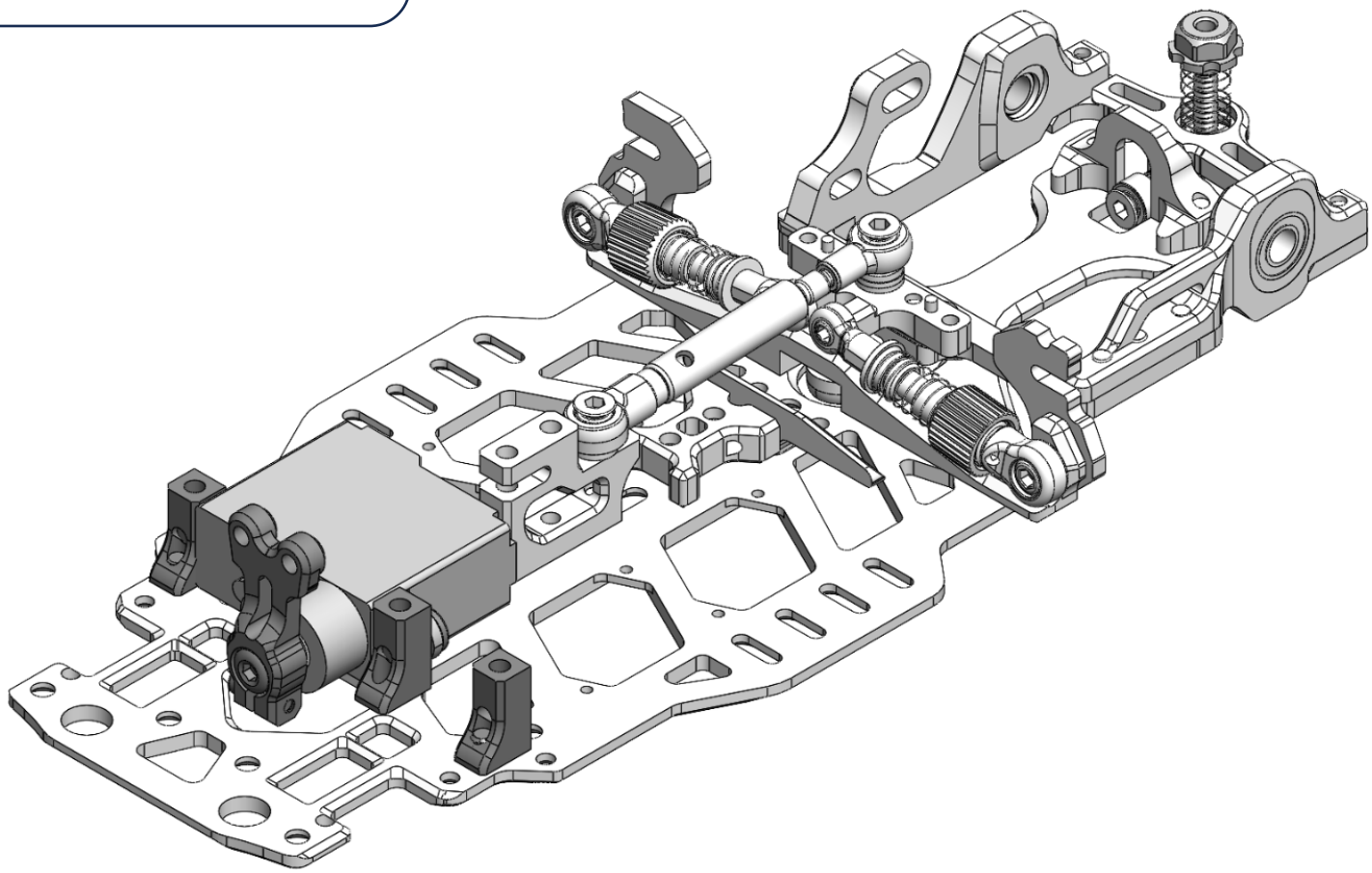
3.0 Ball Stud

KM 2 x 4

KM 2 x 4

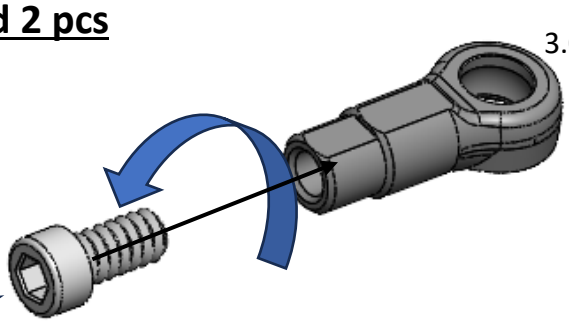
Note:

Servo horn come with the car kit only compatible to AGF A06 servo.



Step 15 (open Bag 10)

Build 2 pcs

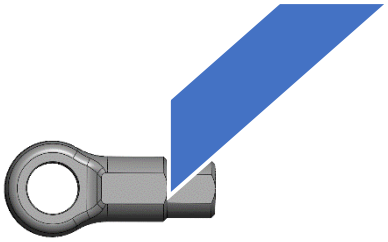


Reverse Thread
Cup Head M2 screw

Use the **Reverse** thread M2 screw as a tool to make a reverse thread on the ball cap.

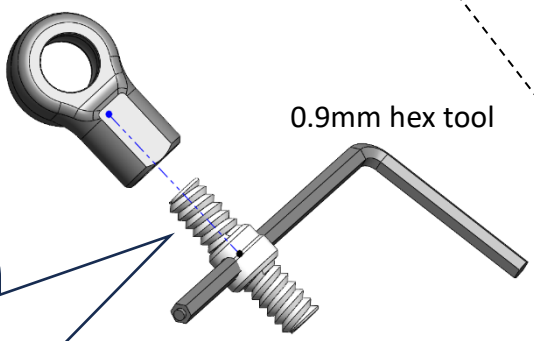
1. *turn the screw anti-clockwise*
2. *fully tighten the screw*
3. *then remove the screw*

Step 16



Trim the first segment of the ball cap

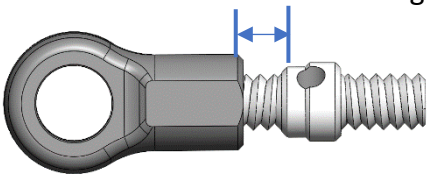
Step 17



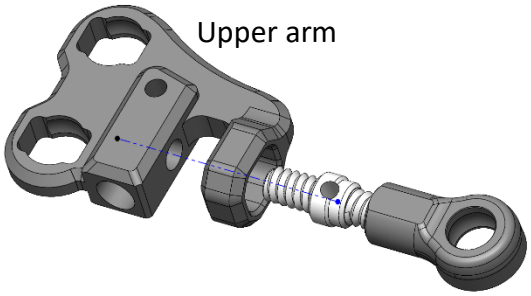
Reverse Thread side

Normal Thread side

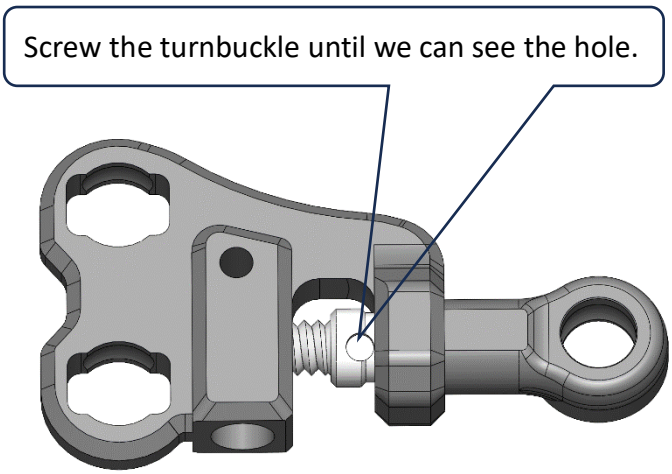
Screw the turnbuckle to the ball cap using **Reverse Thread** side.



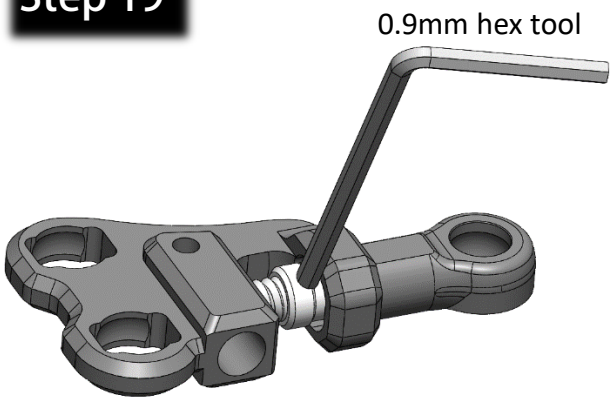
Step 18



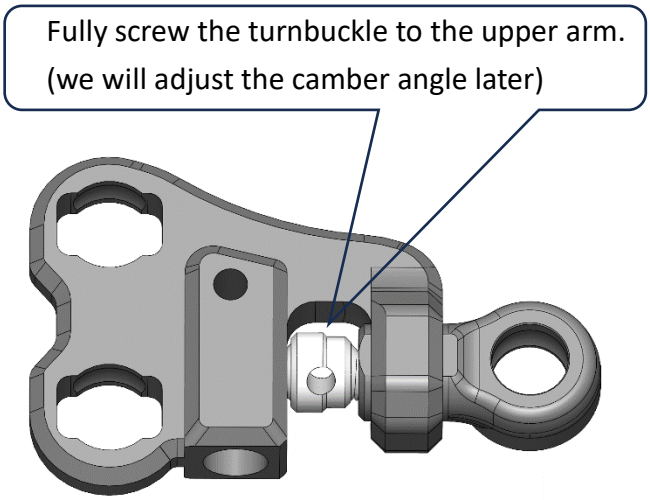
Screw the turnbuckle to the upper arm. (Normal thread side)



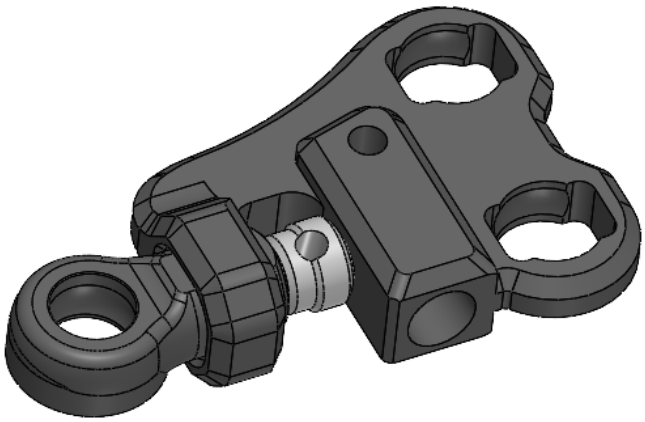
Step 19



Use the 0.9mm hex tool to screw the turnbuckle.

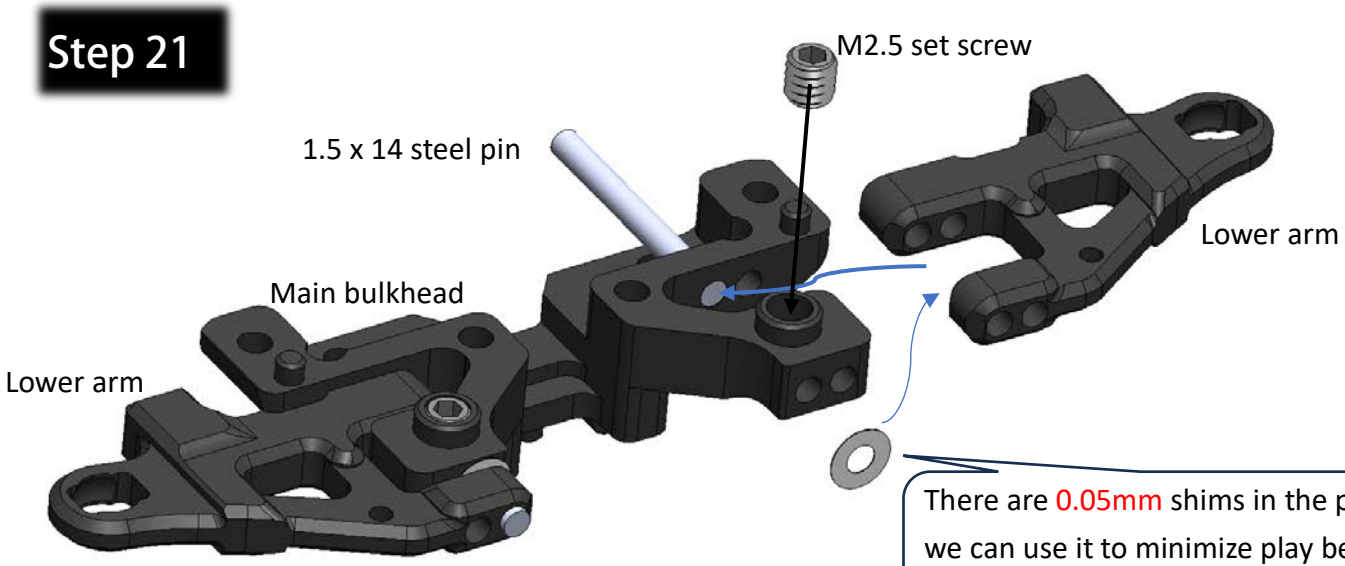


Step 20

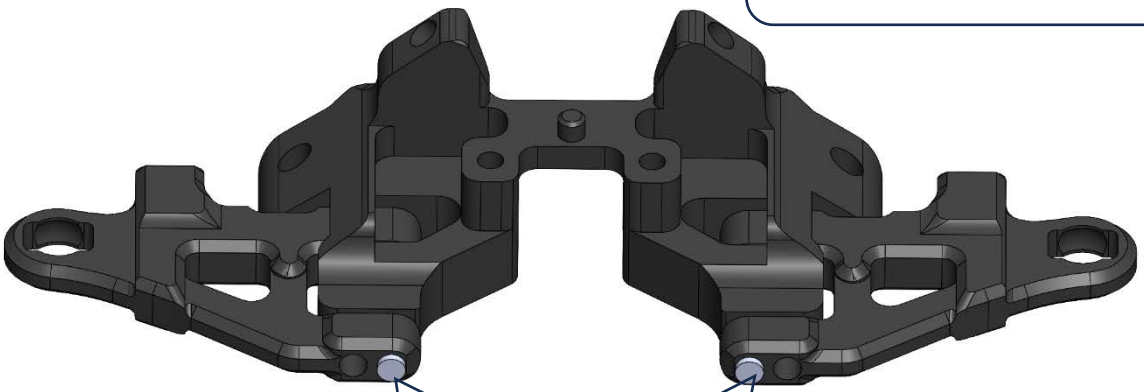


Repeat above steps to build the “Right” arm

Step 21

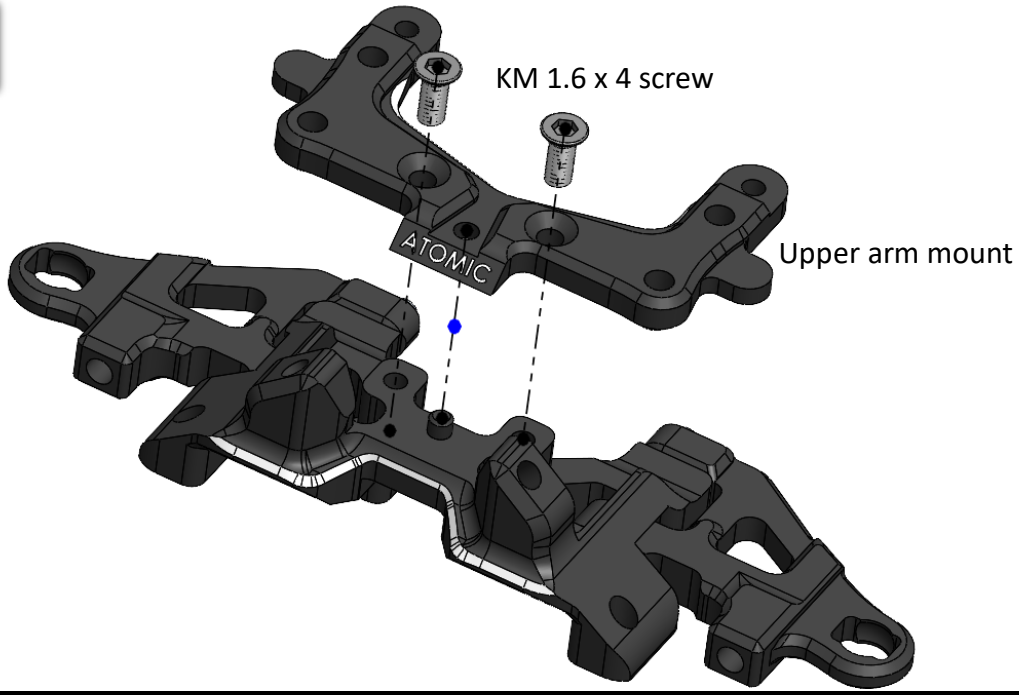


There are 0.05mm shims in the package, we can use it to minimize play between lower arm and bulkhead

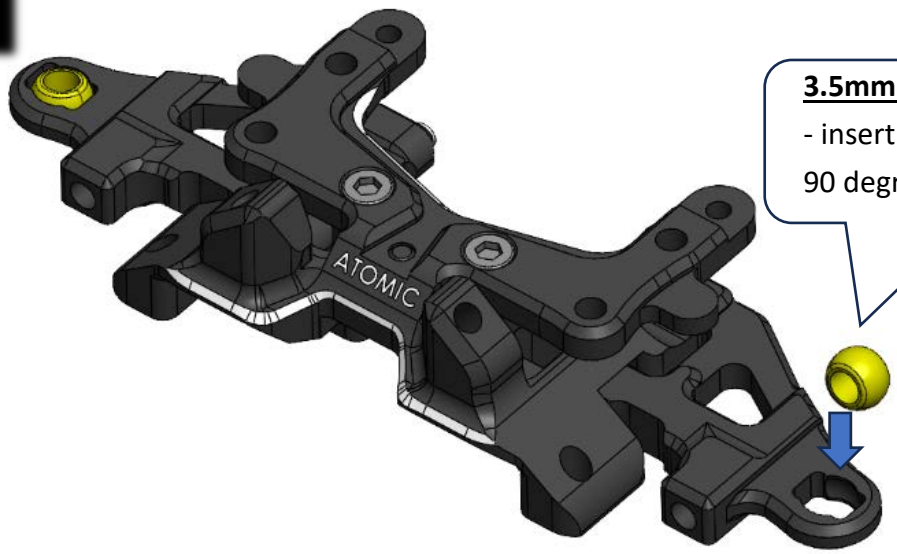


Please choose the inner hole of the bulkhead and arm

Step 22



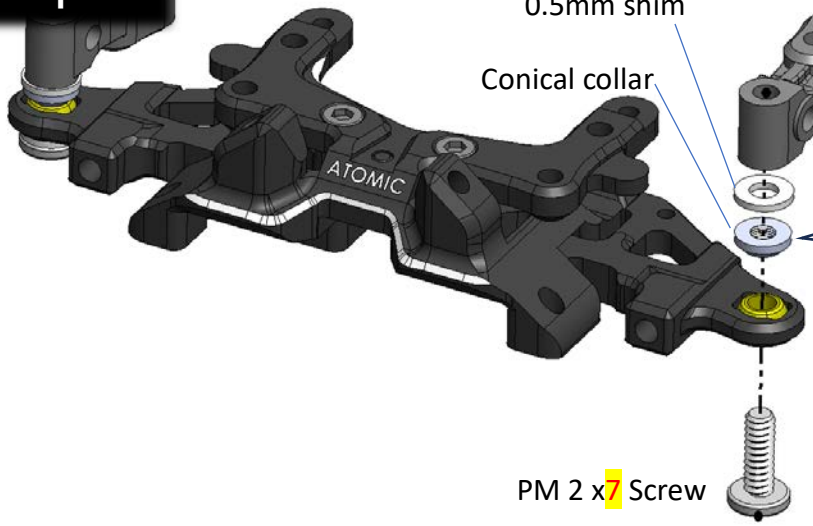
Step 23



3.5mm pivot ball

- insert it vertically and then turn 90 degree to lock it in place.

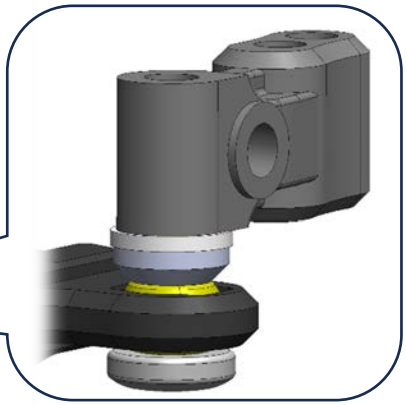
Step 24



0.5mm shim

Conical collar

PM 2 x7 Screw



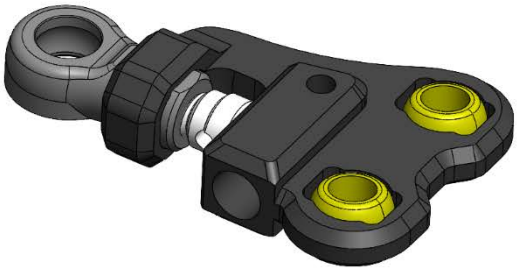
Note:

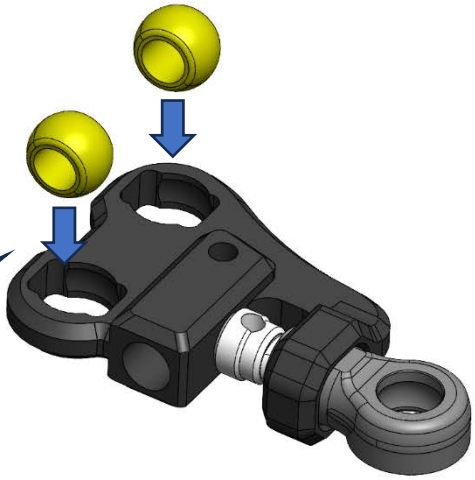
The Conical collar must be tightened against to the pivot ball, otherwise the system will have slop and wobble.

Step 25

3.0 Ball stud

Step 26





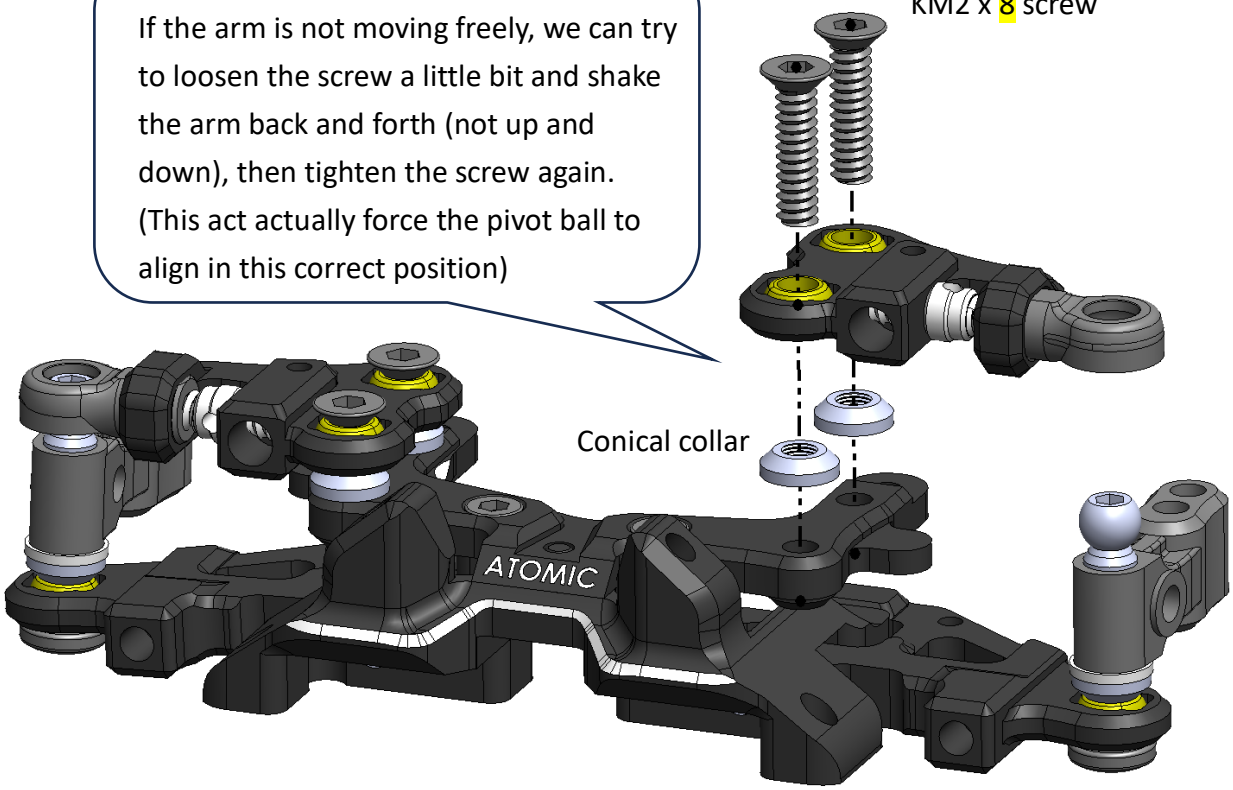
3.5mm pivot ball

- insert it vertically and then turn 90 degree to lock it in place.

Step 27

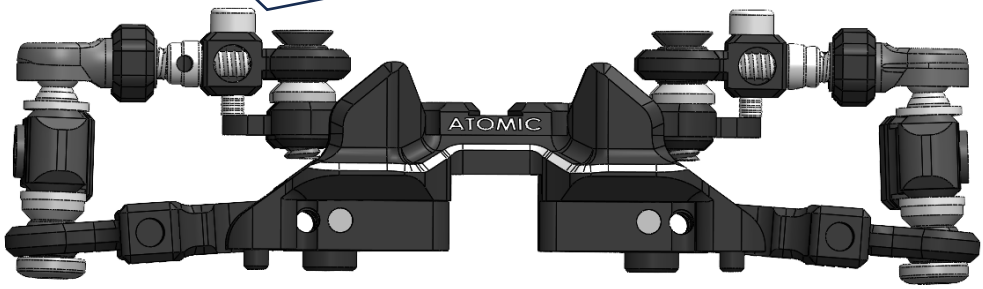
Note:

If the arm is not moving freely, we can try to loosen the screw a little bit and shake the arm back and forth (not up and down), then tighten the screw again. (This act actually force the pivot ball to align in this correct position)

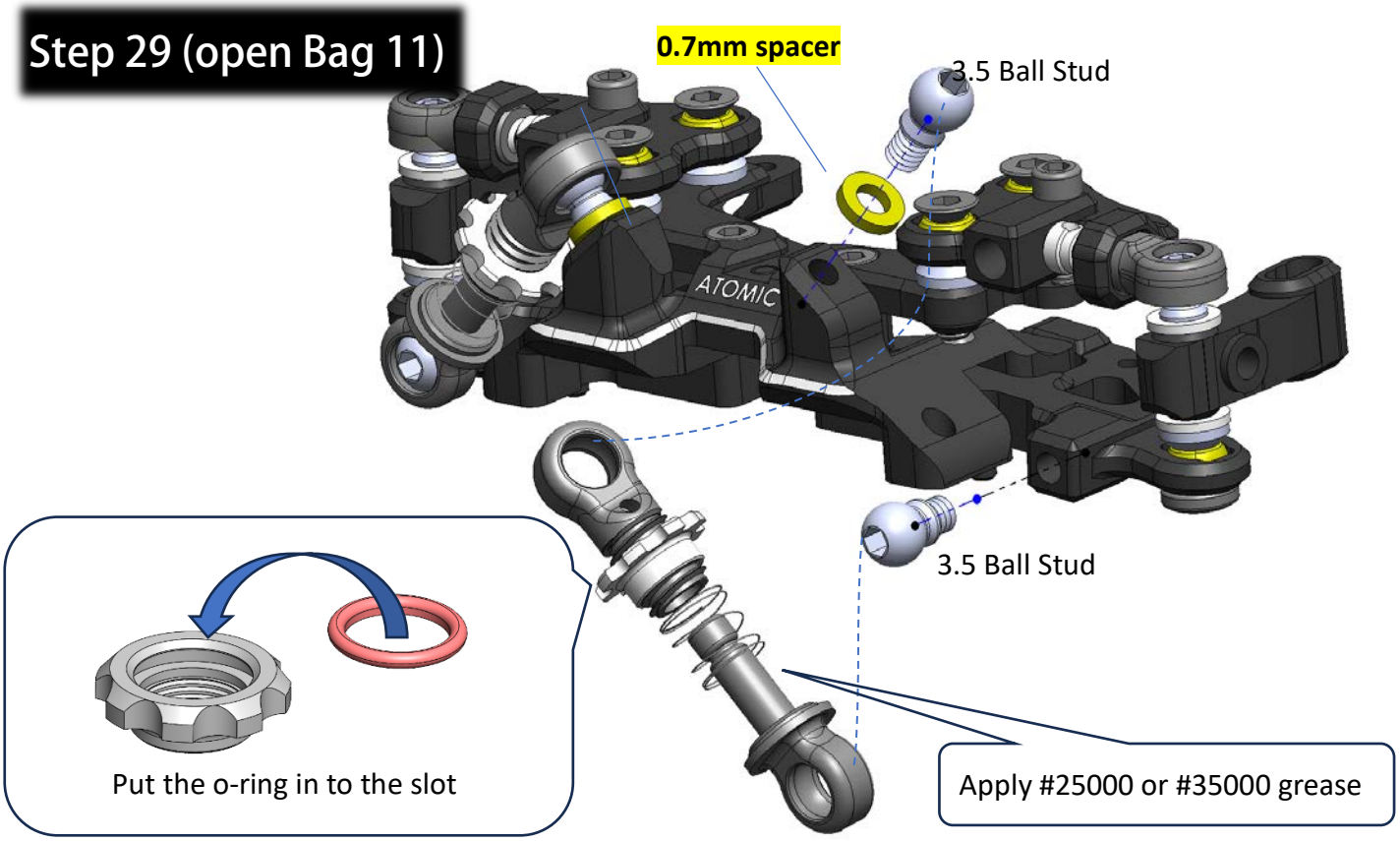


Step 28

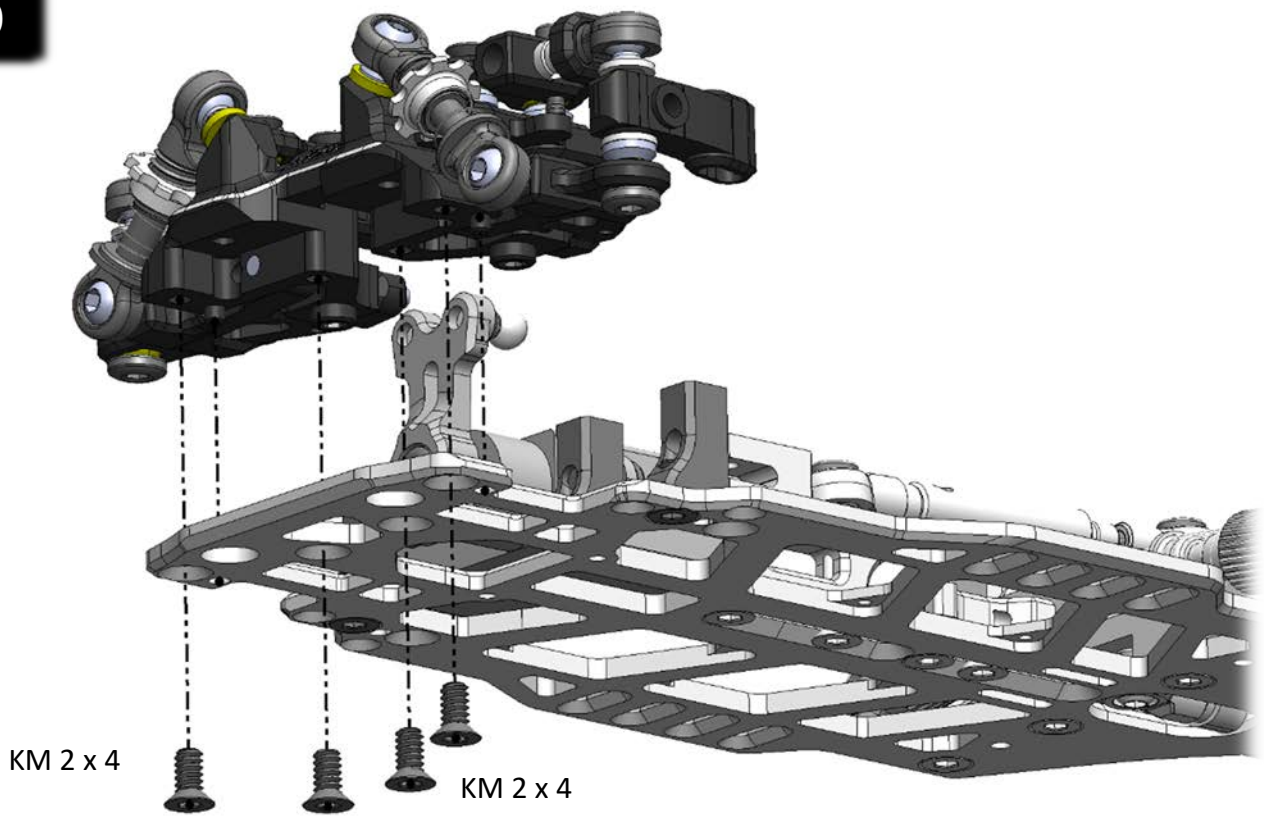
Recommend adjusting the upper arm to horizontal for initial setup



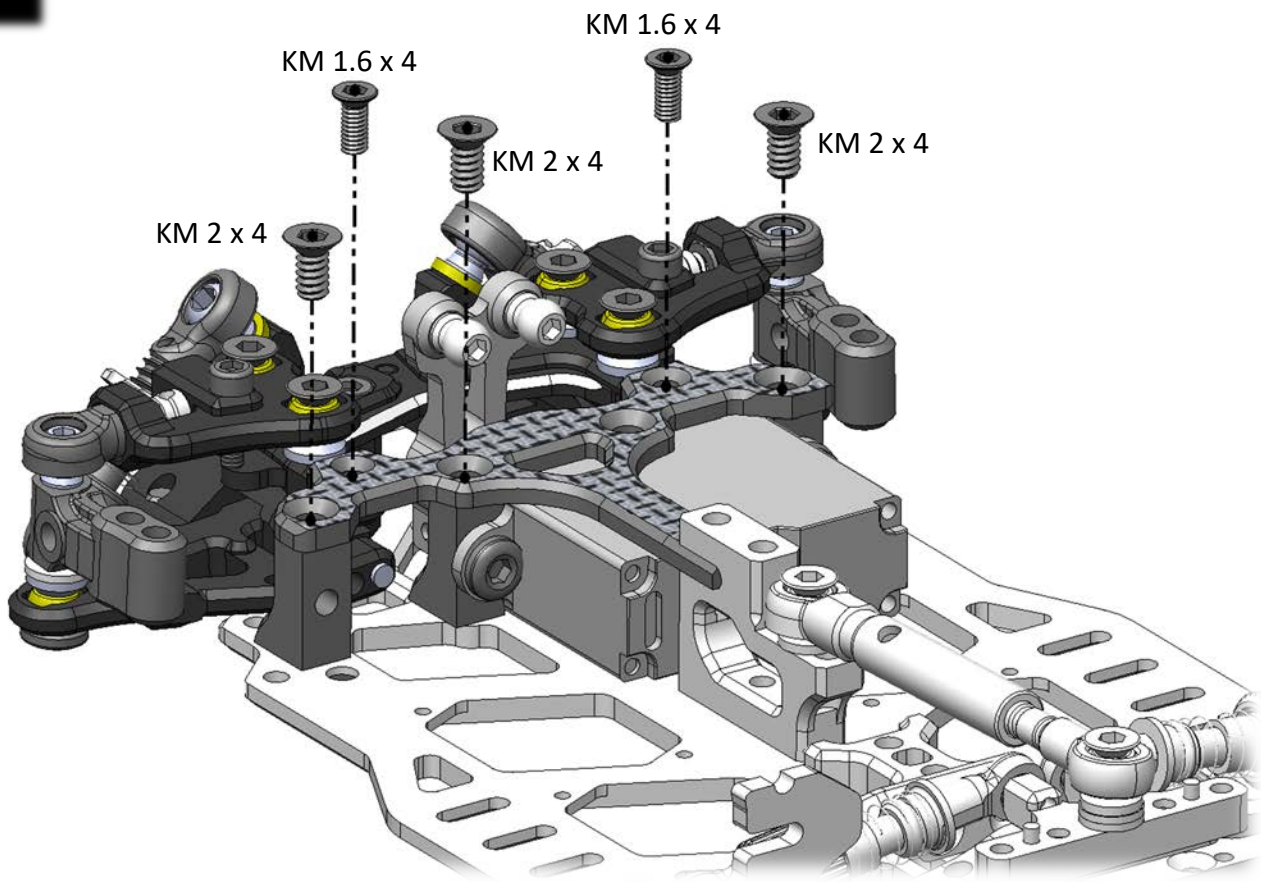
Step 29 (open Bag 11)



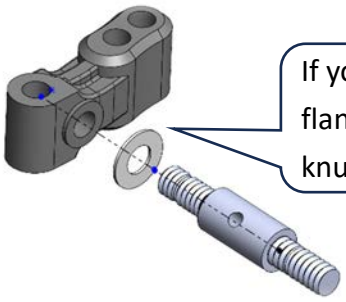
Step 30



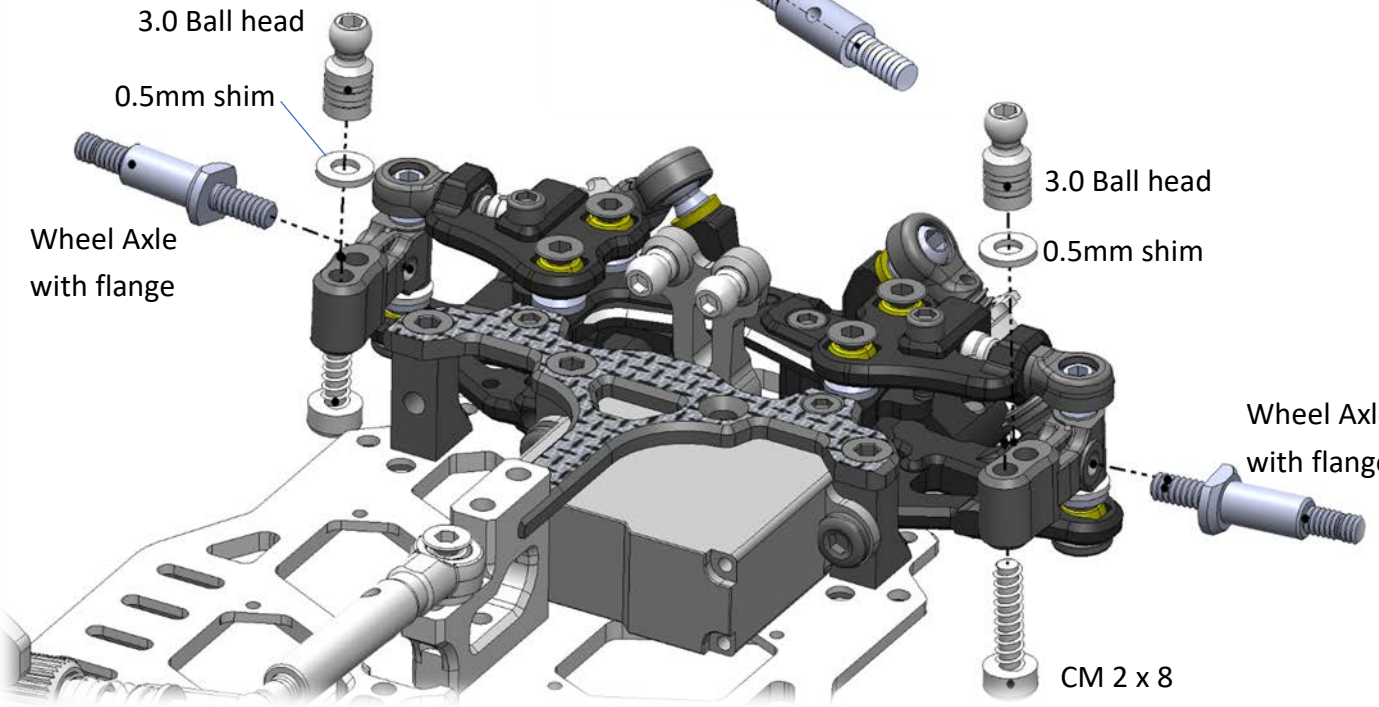
Step 31



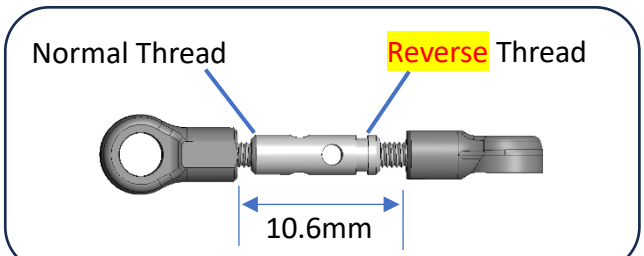
Step 32

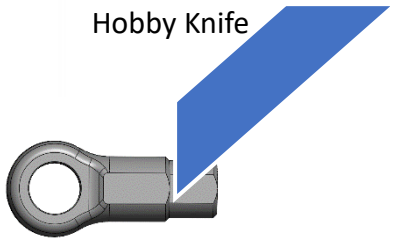


If your kit come with wheel axle without flange, we need to add a 0.5 shim between knuckle and the axle.

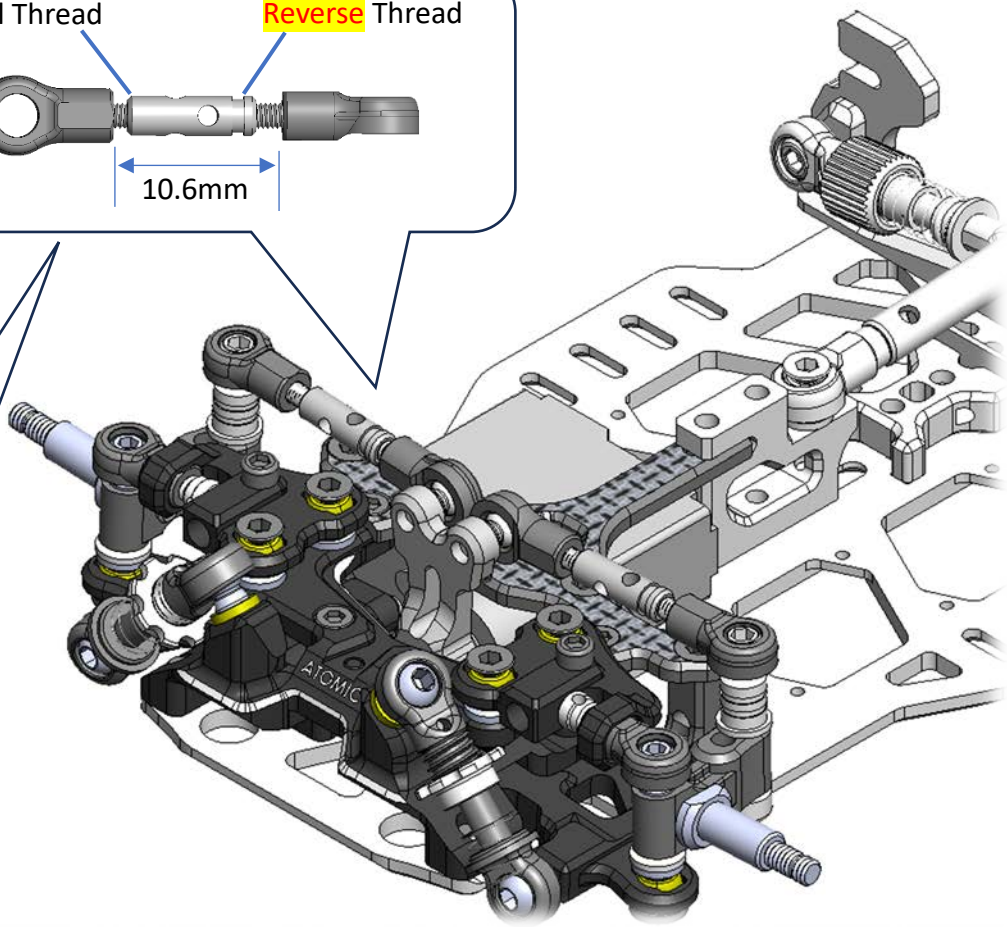


Step 33

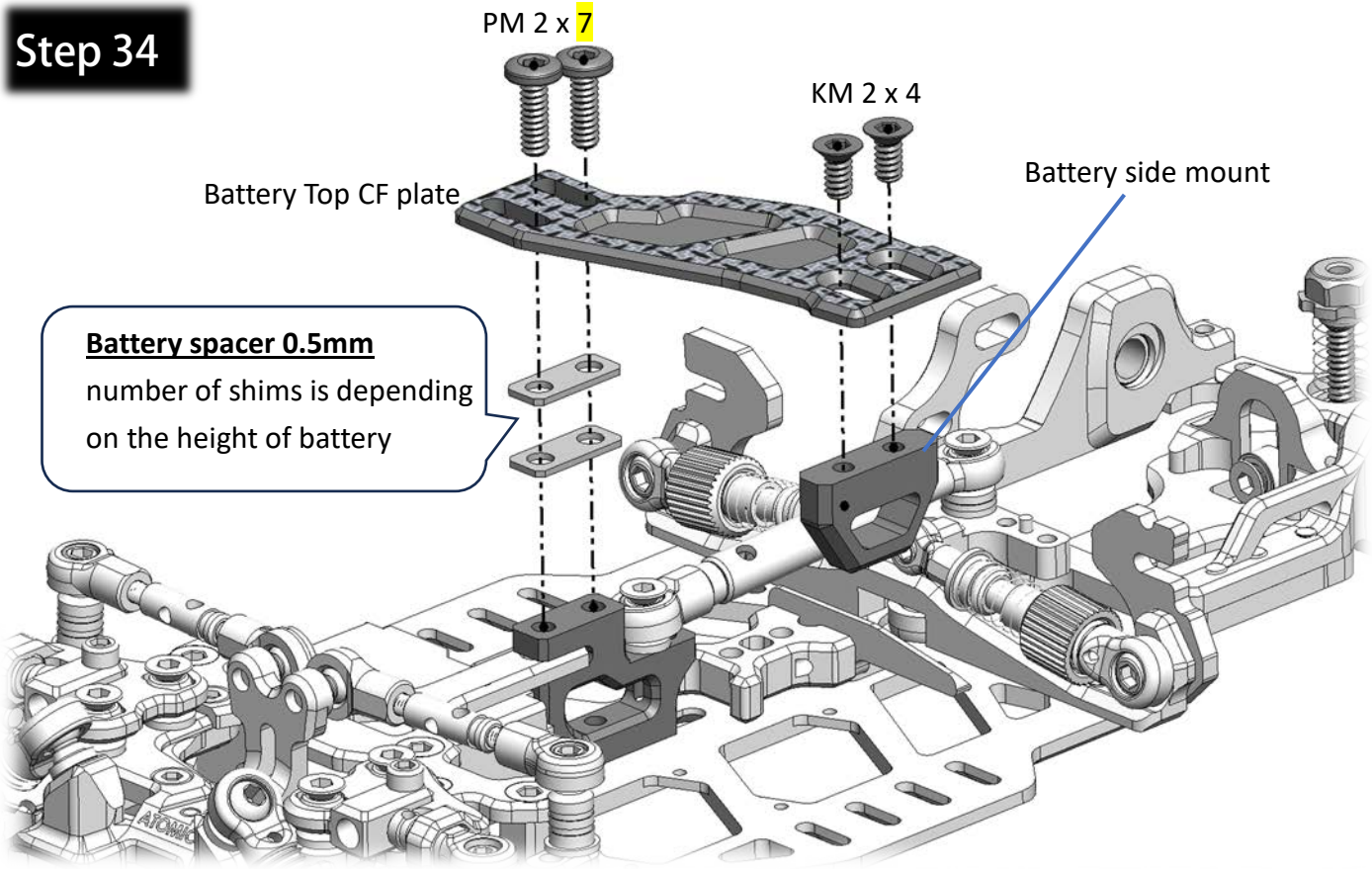




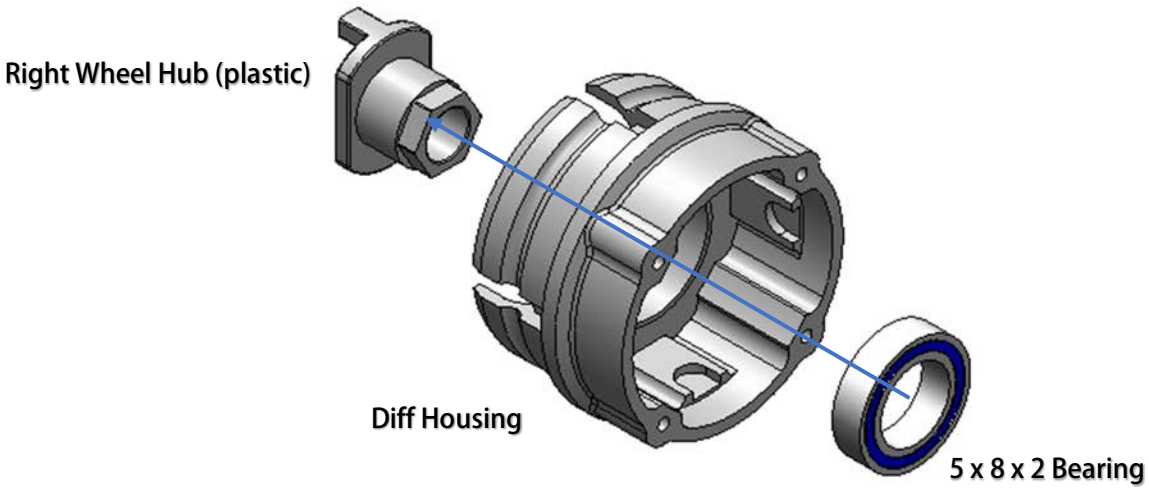
Cut the first segment of the 3.0 ball cap



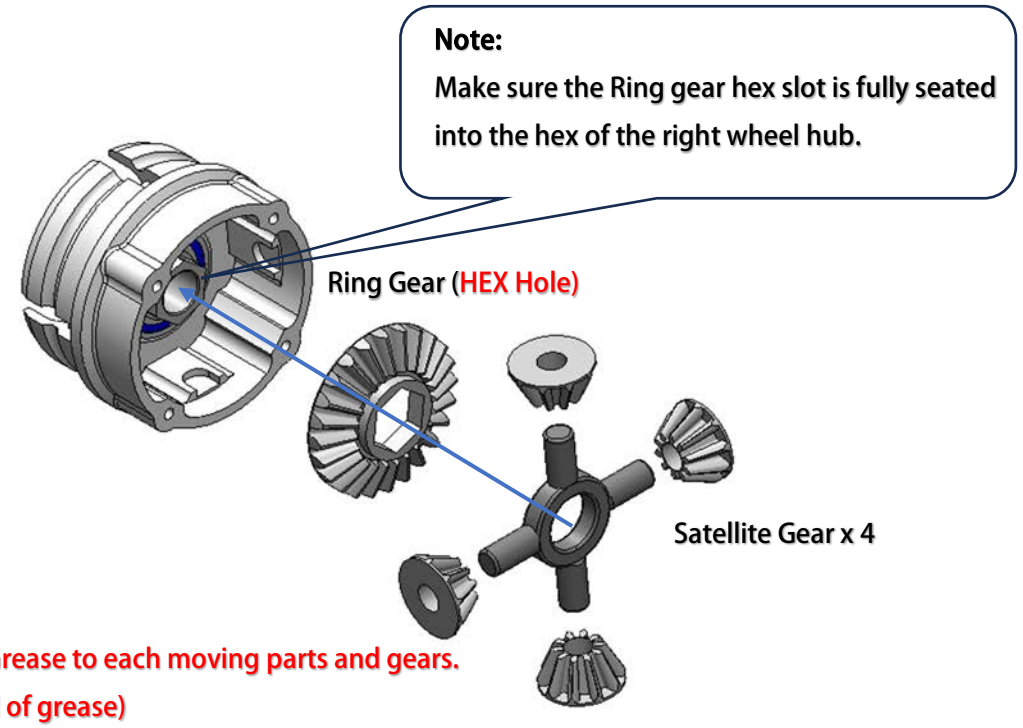
Step 34



Step 35 (open Bag 12)

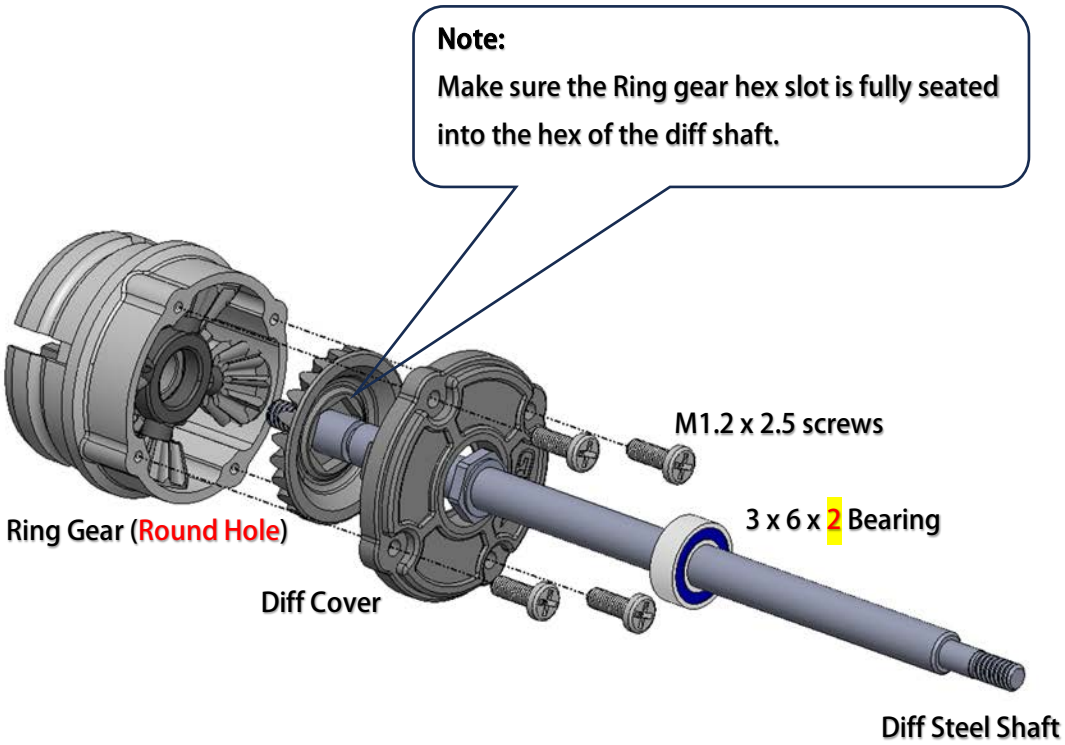


Step 36

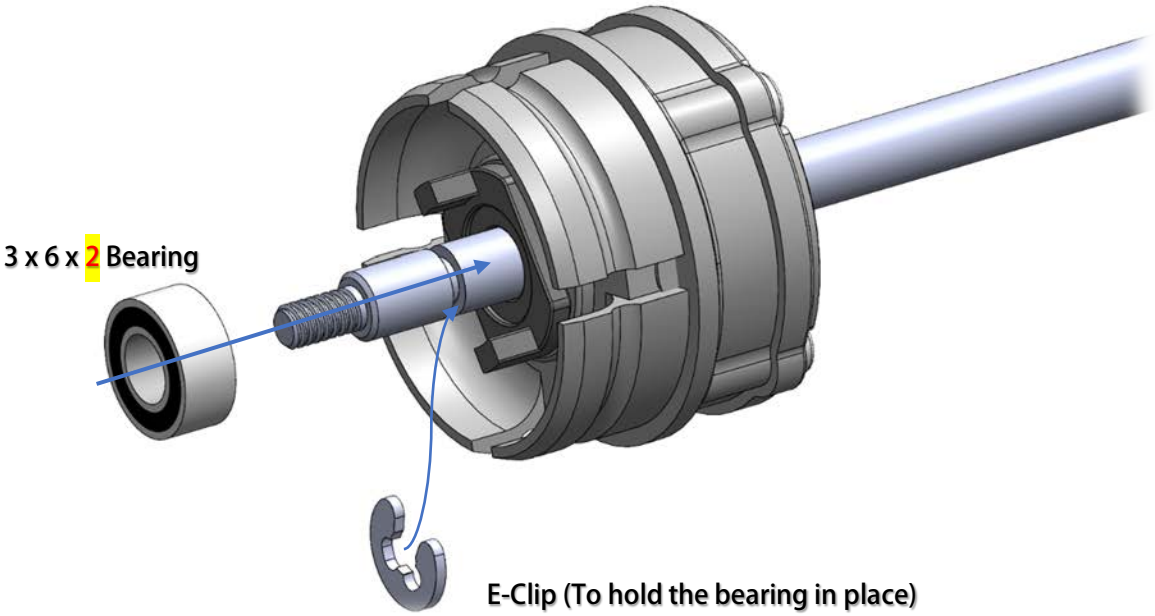


Note:
Apply Thrust Bearing Grease to each moving parts and gears.
(Do Not add other kind of grease)

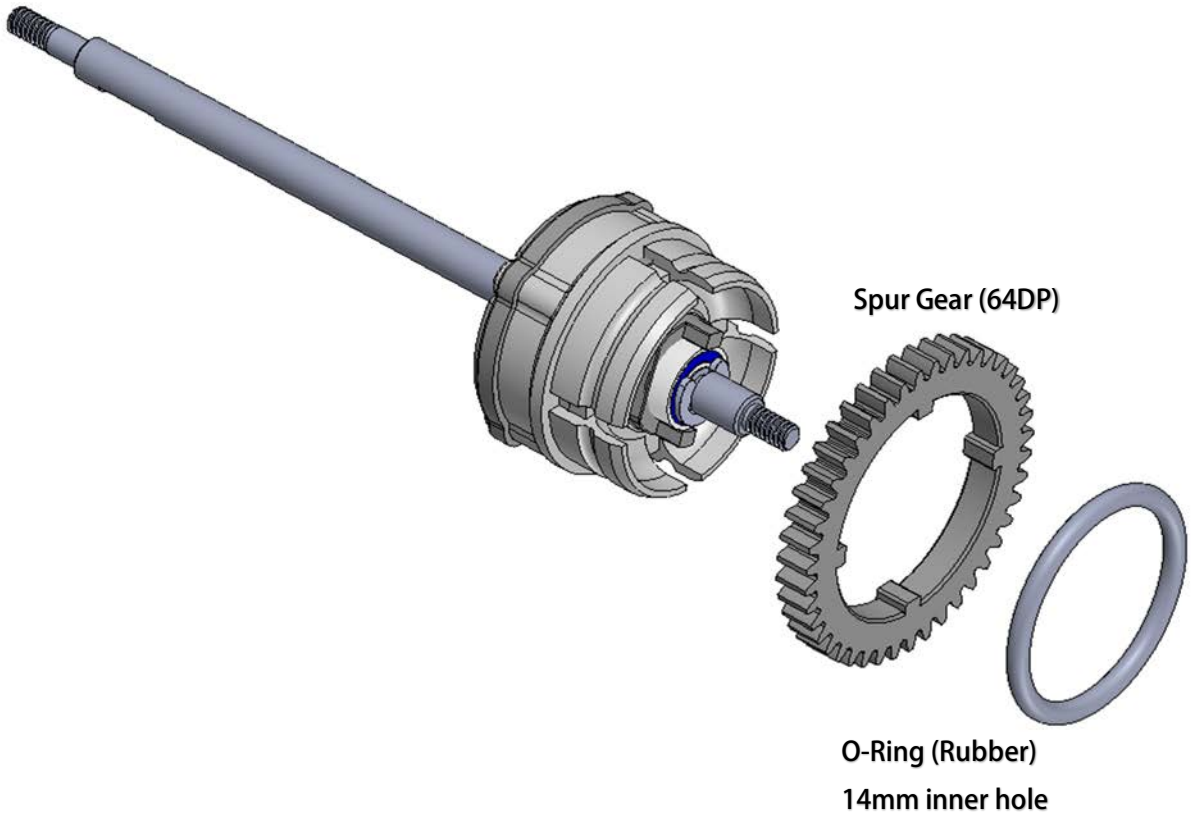
Step 37



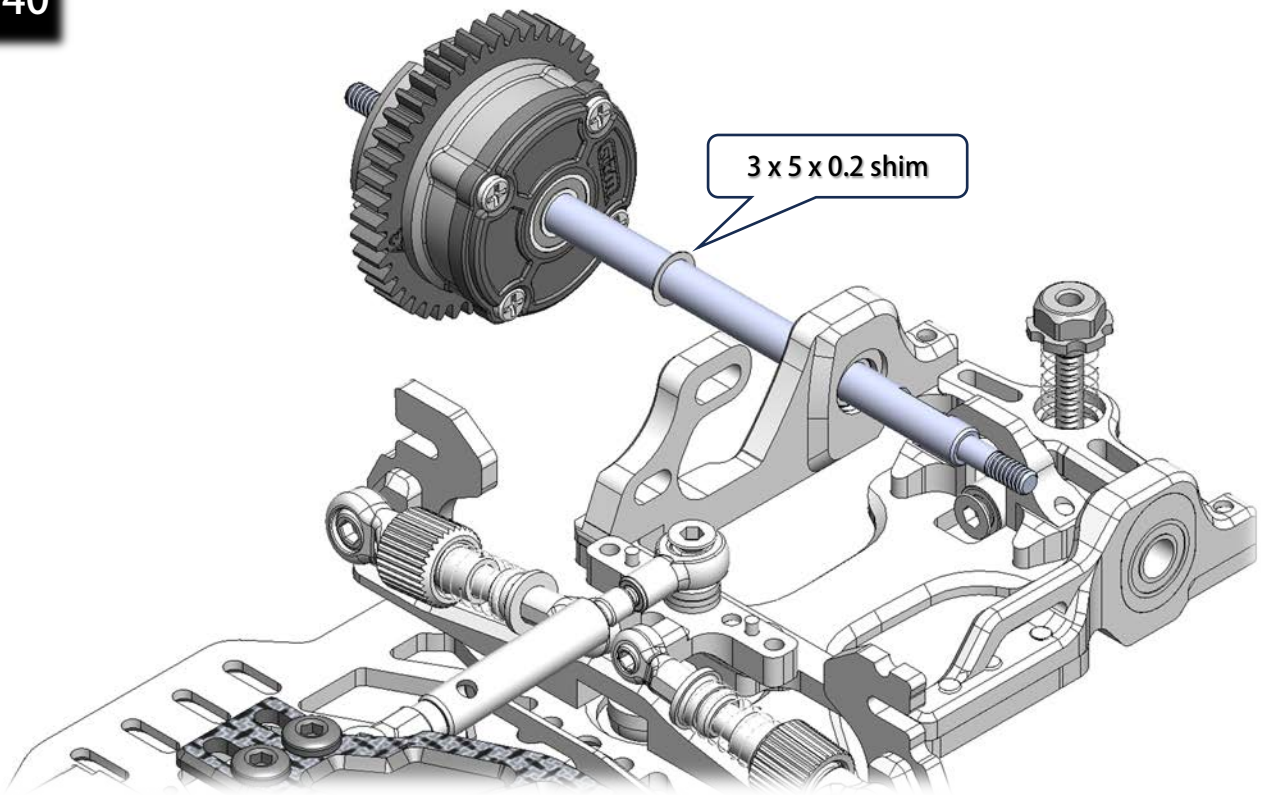
Step 38



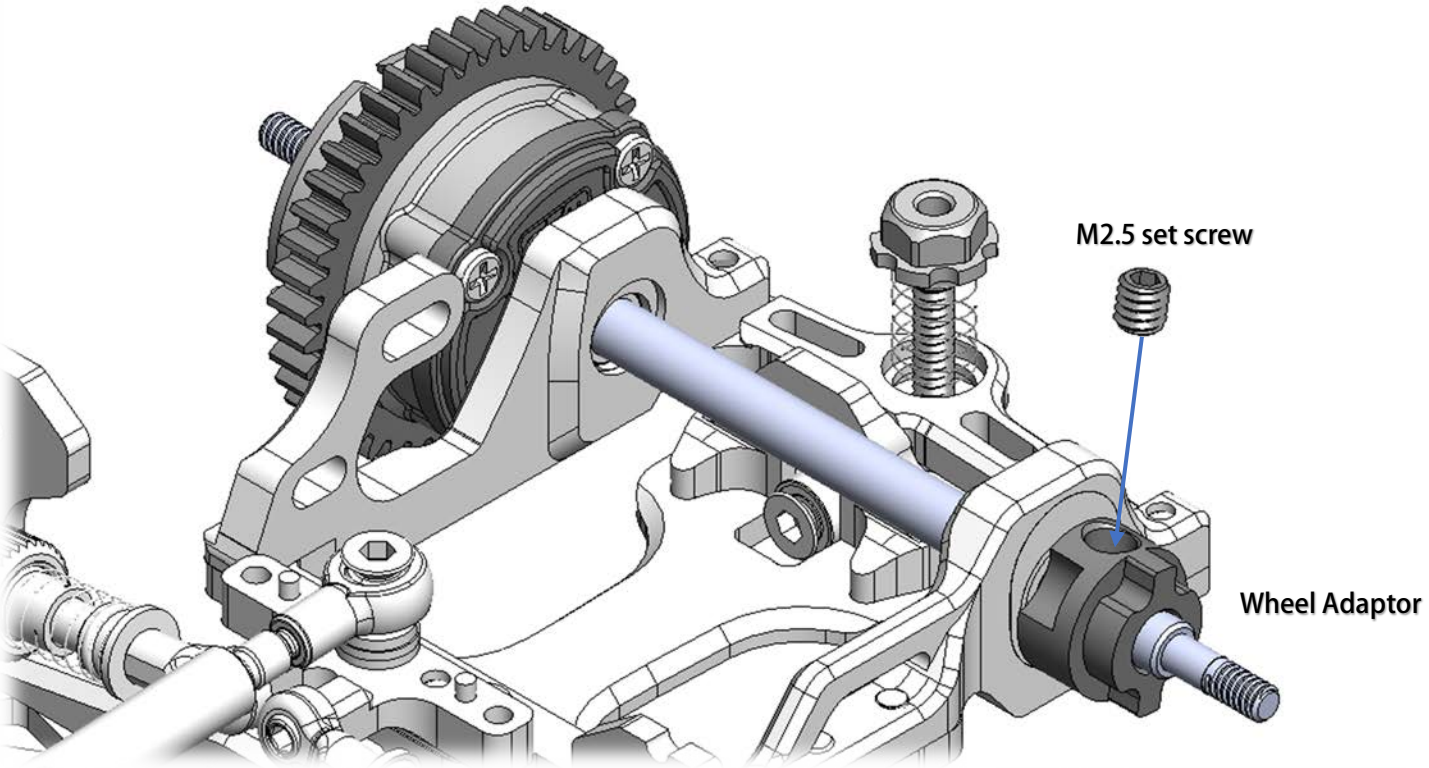
Step 39



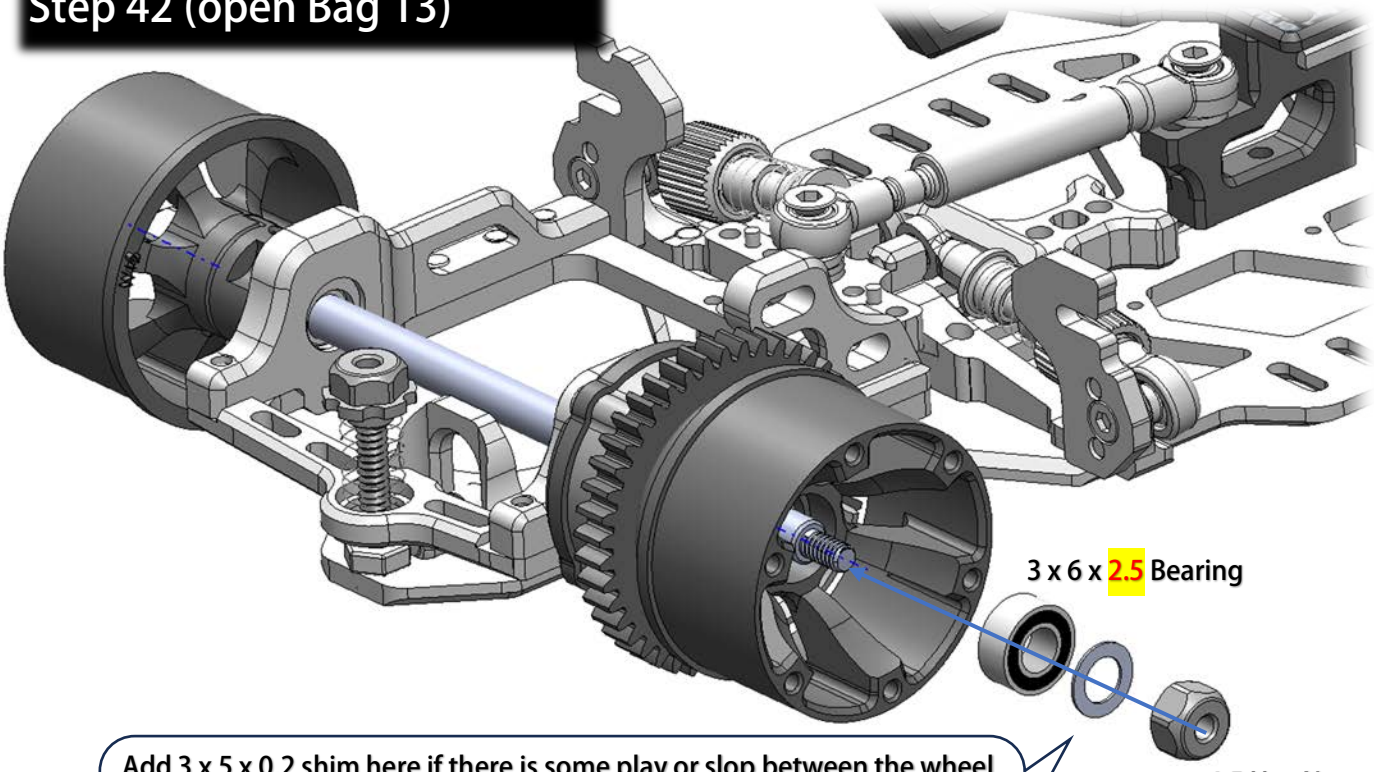
Step 40



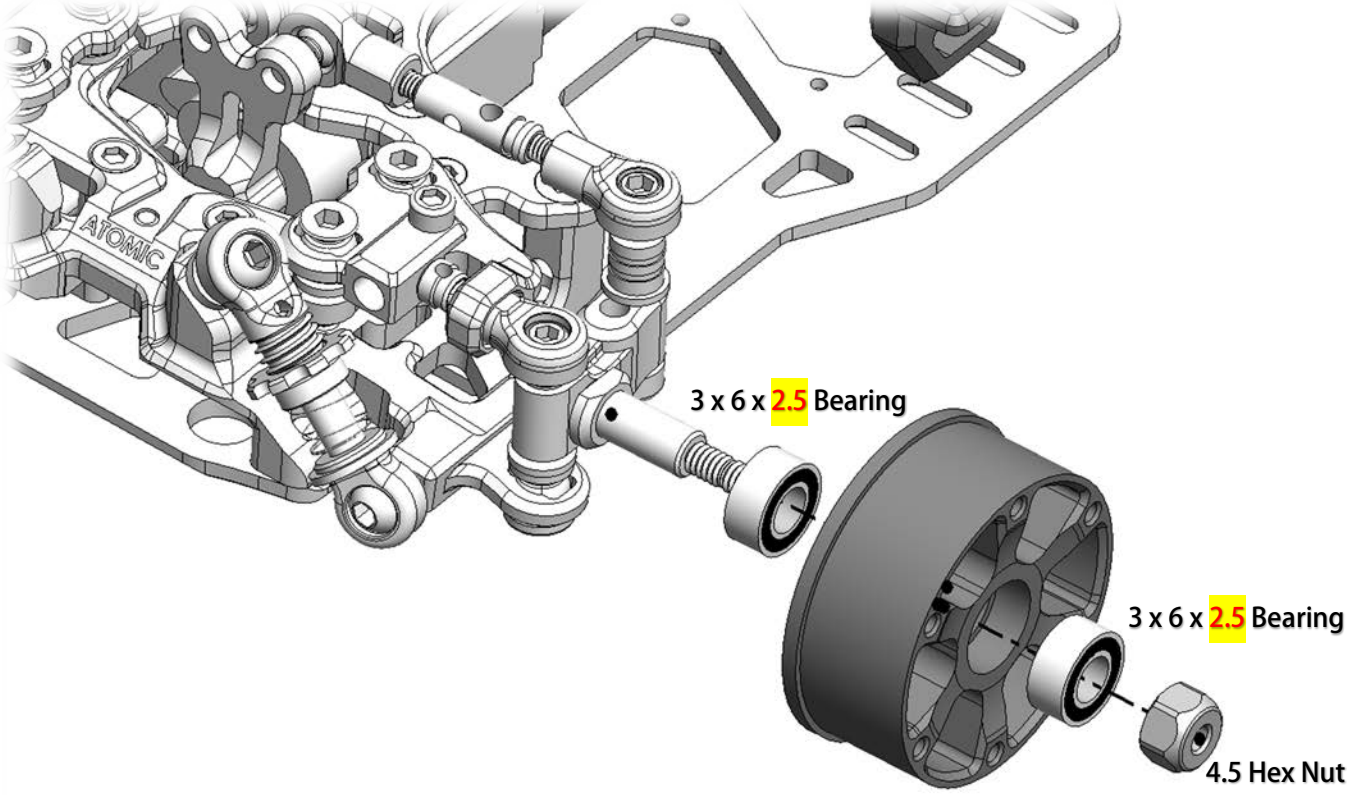
Step 41

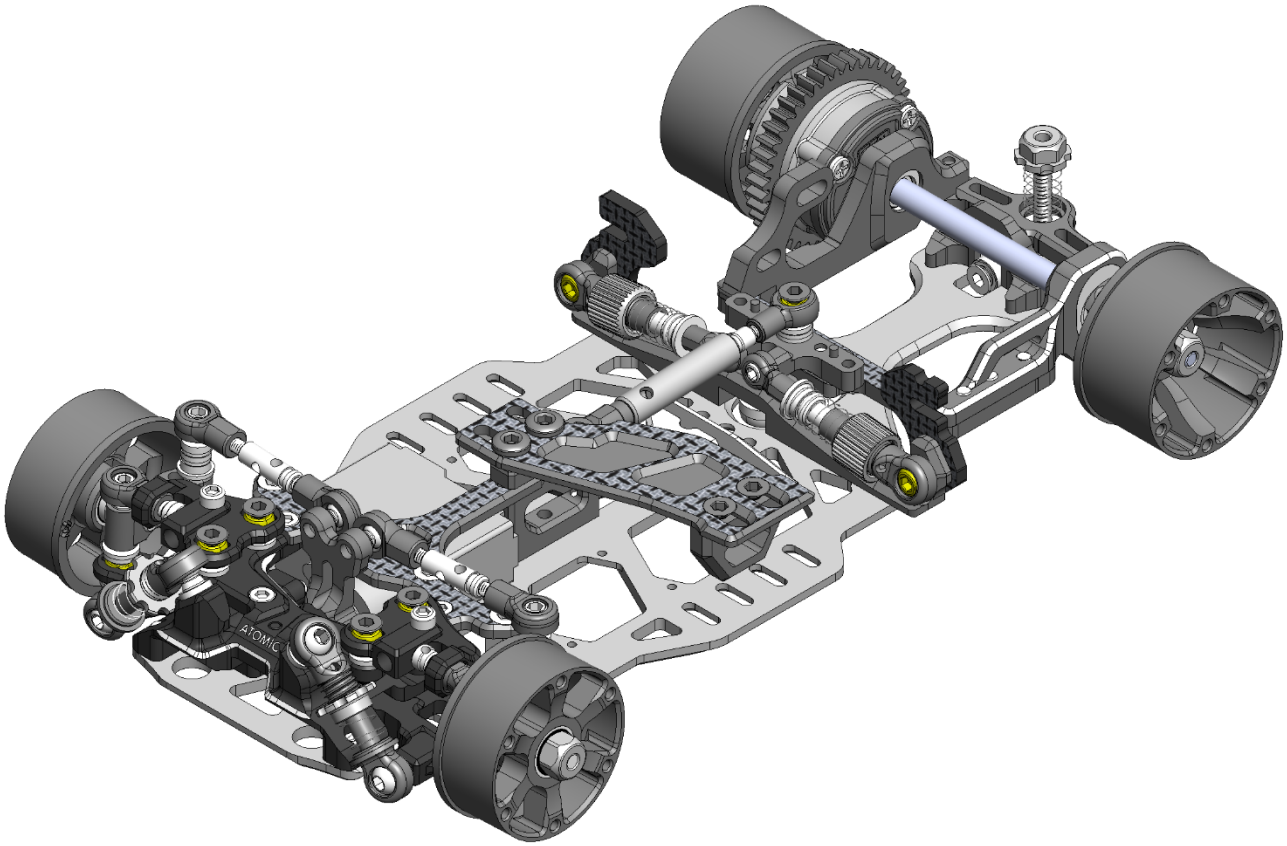


Step 42 (open Bag 13)

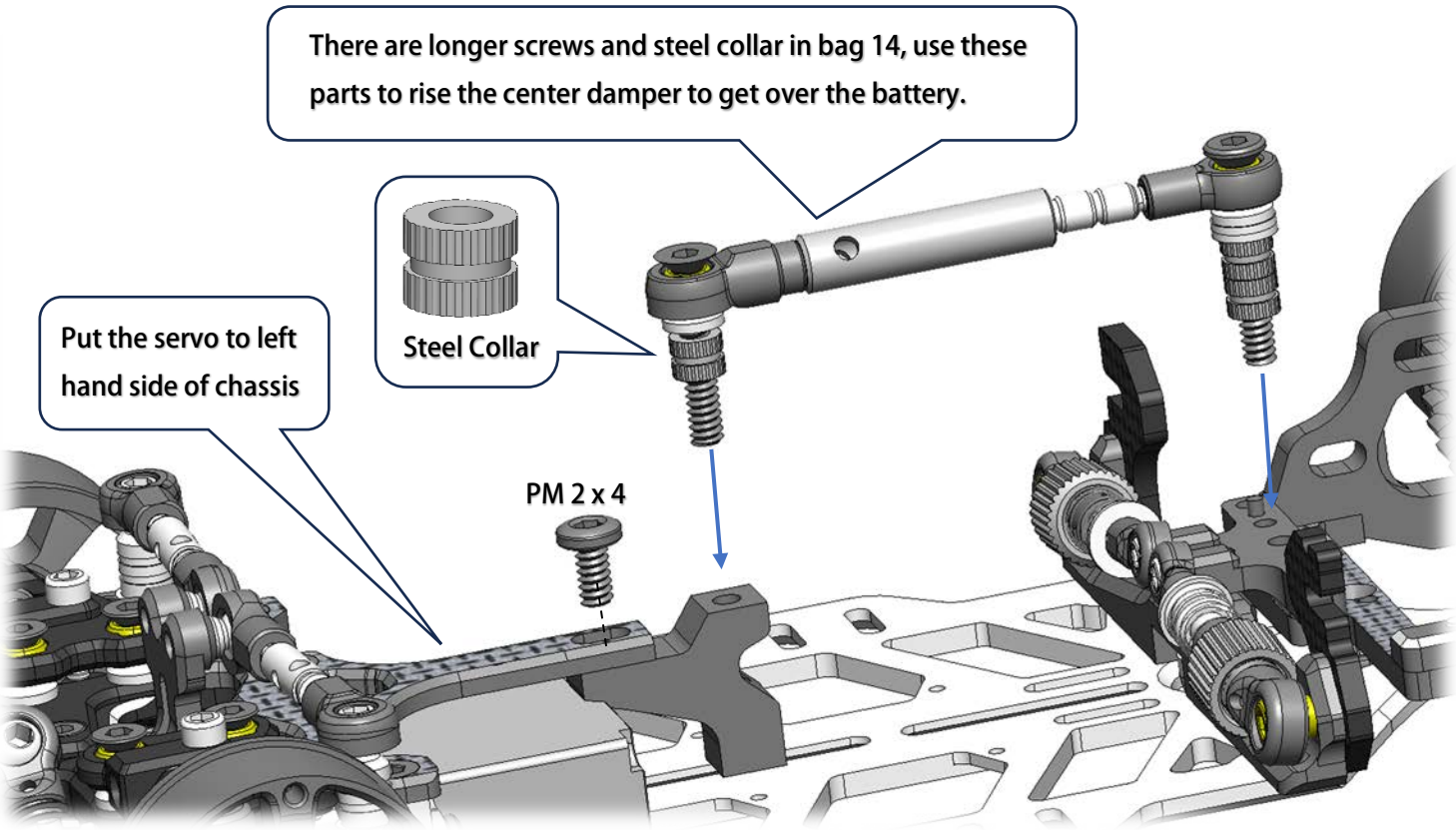


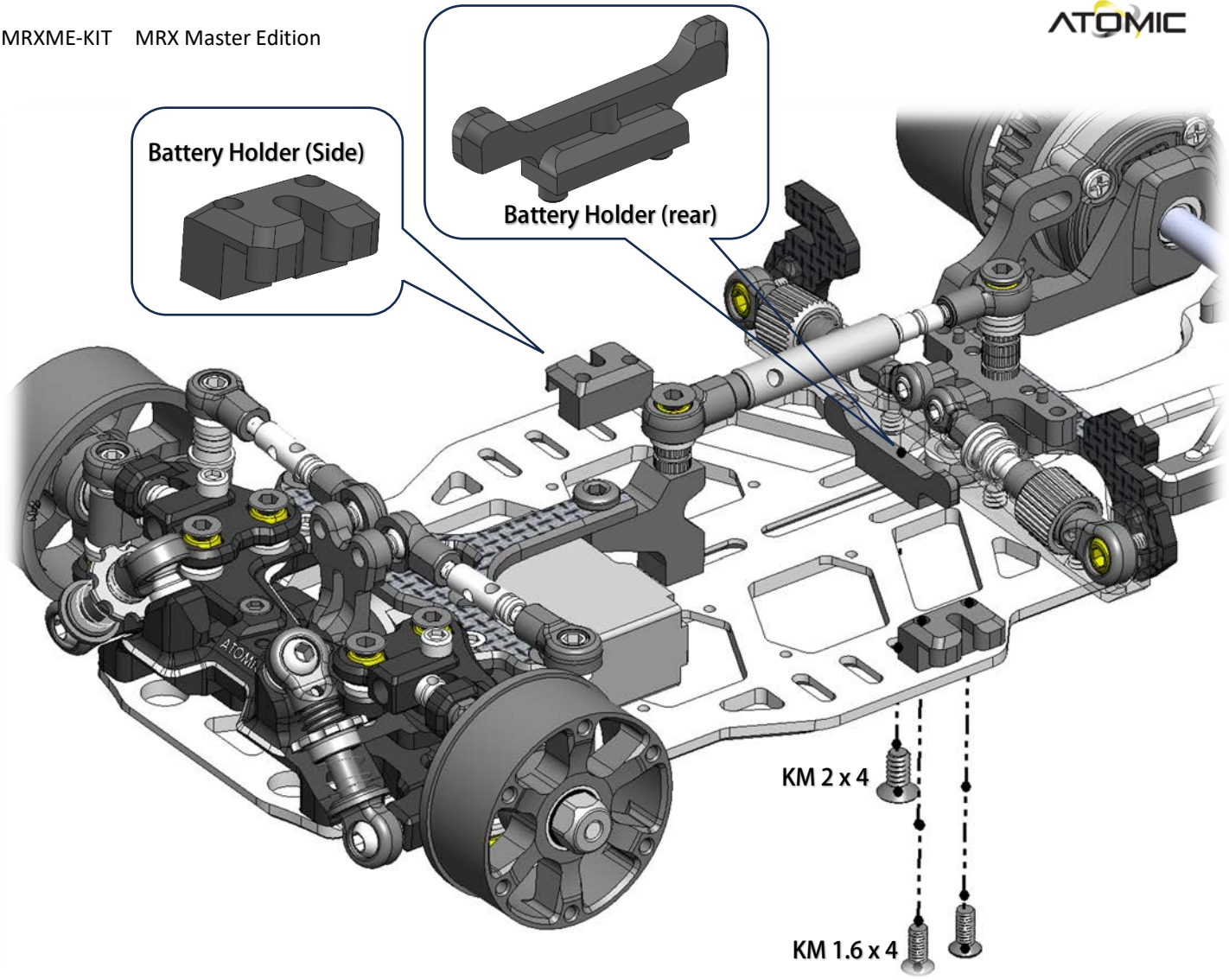
Add 3 x 5 x 0.2 shim here if there is some play or slop between the wheel and the differential. (Different brands of wheel will have different amount of play) And do not over tighten the hex nut and check if the differential is rotating smoothly after the nut is tightened.





Horizontal Battery config. (open bag 14)




Battery Holder (Side)
Battery Holder (rear)
KM 2 x 4
KM 1.6 x 4