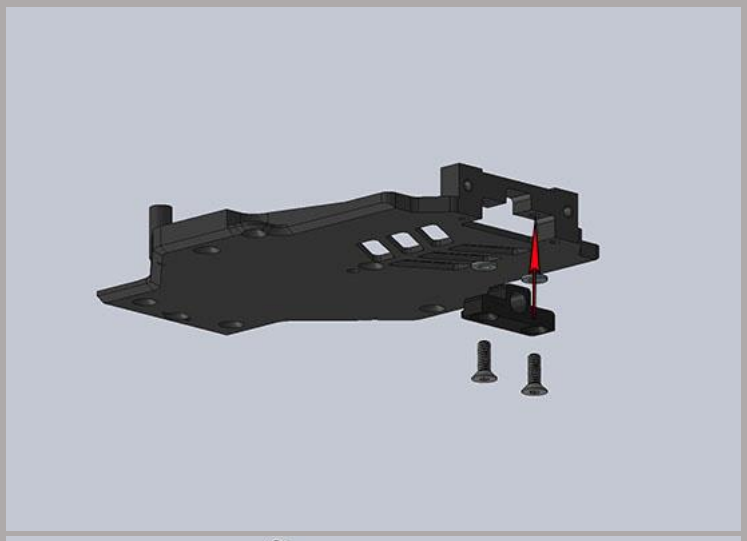
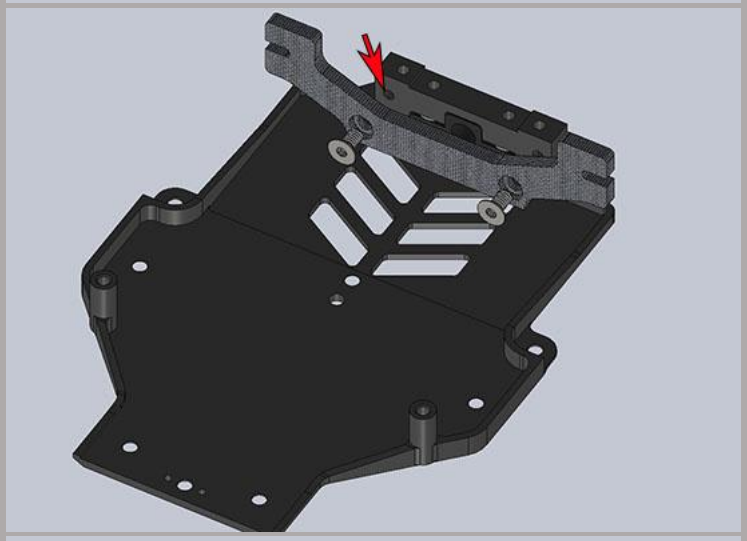
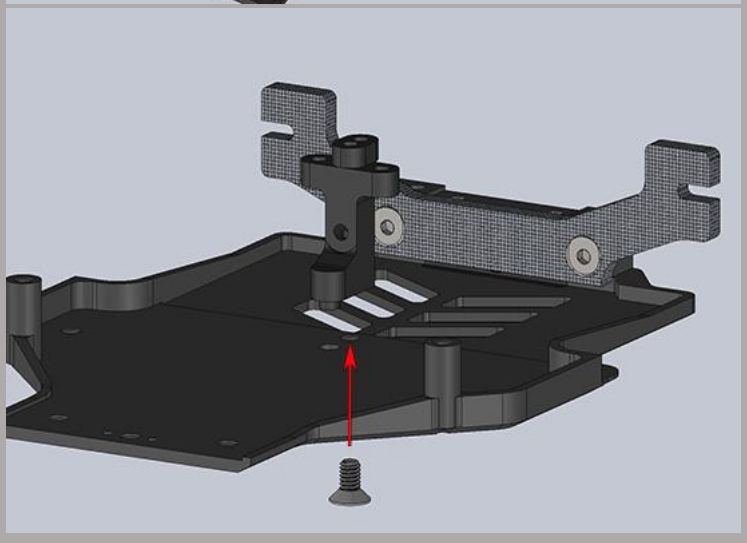
RX28

WORLDS EDITION







ASSEMBLY INSTRUCTIONS

Welcome to the Pinnacle of 1/28 Racing! The RX28SE has proven itself to be at the very forefront of the racing scene since its release. Often targeted and many concepts copied, yet it is still the fastest, highest quality car on the market today. Let's start the build!

Firstly, install the pivot (RX28SE-07) into the 24mm chassis (RX28SE-08) using 2 M2x6CS (RX28-047). Use 2pcs M2x0.5 (RX523) in between the pivot and the chassis to space it down.

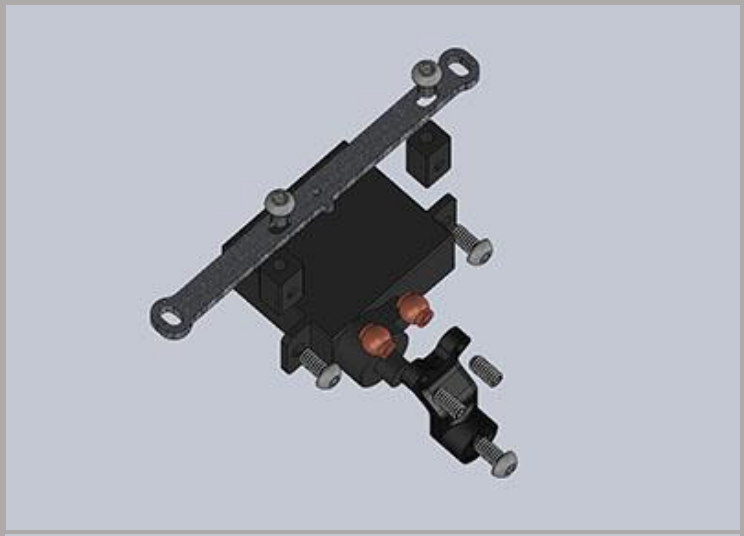
Next, install the body clip (RX28SE-04) with 2pcs of M2x4CS (RX28-022).

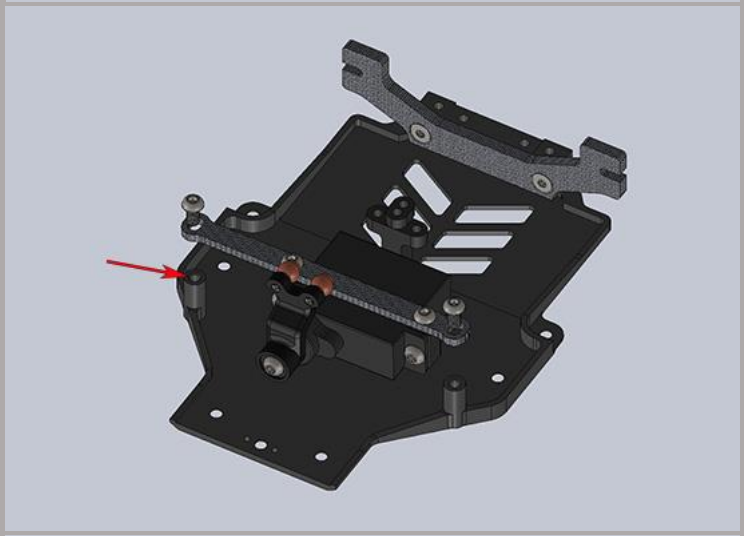
Install the center shock mount with a M2x4CS.

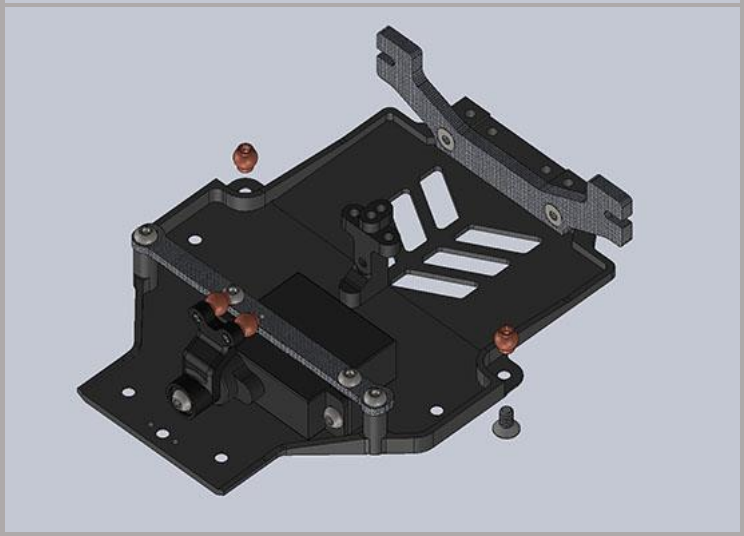
NOTE: The tower should be adjusted upwards if using a taller battery. The 24mm battery is shorter than the 20mm hardcase, so it does not require any spacing. If using the 20mm batteries, you have the option to space them forward or back. If mounting back, install a screw with some shims on the horizontal screw hole on the mount to keep the battery from moving forward.

RX28

WORLDS EDITION







ASSEMBLY INSTRUCTIONS

To assemble the servo, (**SERVO IS NOT INCLUDED**-we recommend the Reflex Racing RRE007 on all your builds) you will install the posts (RX28-037) on the CF Brace (RX28SE-03) with 2pcs M2x4CS, take note of the orientation of the posts, they are offset set it max forward and don't fully tighten them. Install the Posts onto the servo ear using 2 pcs of M2x4BH (RX28-022). Before you install the servo horn, install 2pcs of 3.5mm threaded pivot balls (RX28-017) with 2pcs of M2x4 Set Screws (RX28-039). Next Proceed to install the horn on the servo with an M2x4BH screw. This can be tight, so use a longer screw to start pressing it in if needed.

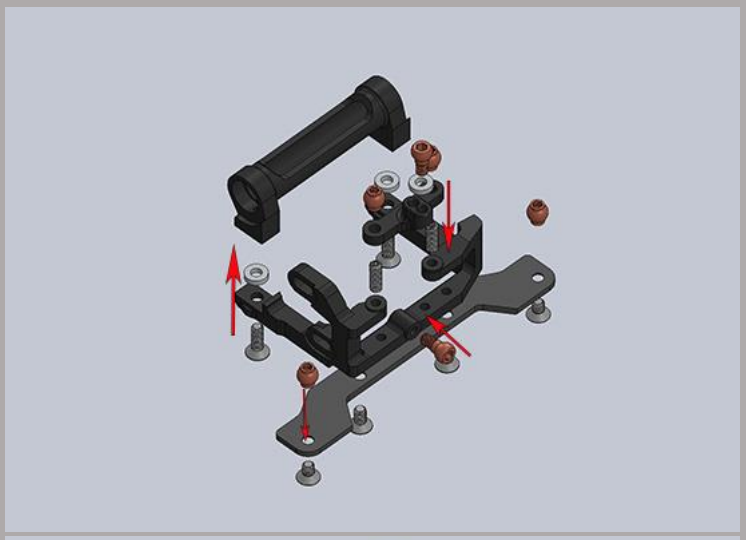
After this Center the servo on the brace against the horn. You can then tighten the posts.

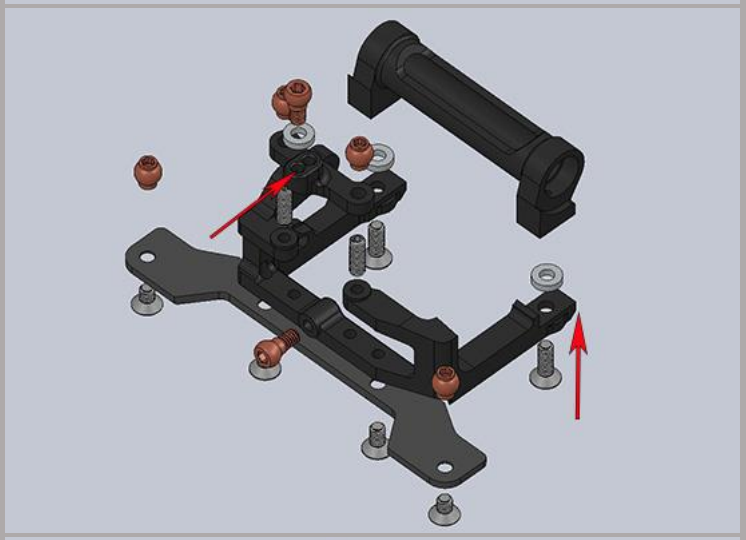
Next, install the Servo Brace on the chassis using 2pcs of M2x4BH screws. The servo mount is slotted so you can adjust your servo forward or back. The forward position provides more aggressive steering than the rear one.

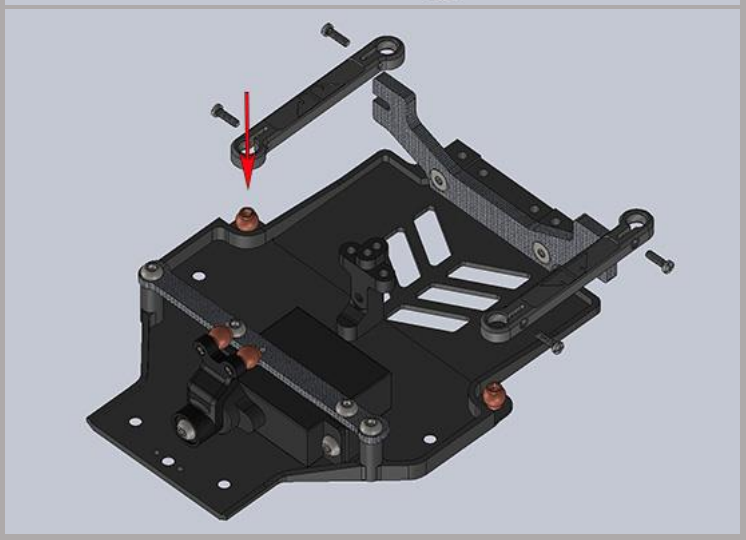
Now install 2pc of the 3.5mm Threaded Pivot Balls with 2 pcs of the M2x3CS screws (RX28-024).

RX28

WORLDS EDITION







ASSEMBLY INSTRUCTIONS

Let's prepare the rear motor mount. Attach the Motor Pod Plate (RX28SE-06) to the motor mount from the bottom using 2pcs M2x4CS (RX28-022). Install the two 3.5mm threaded pivot balls (RX28-017) into the pod plate with 2pcs M2x3CS (RX28-024).

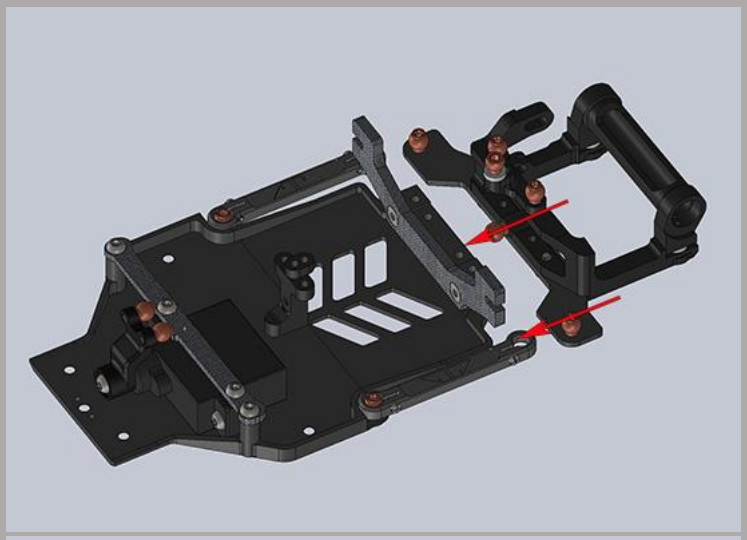
Next, install the Center Pivot 3.5mm Ball Stud (RX28-018) into the horizontal hole on the motor mount. Attach the rear axle carrier with 2pcs of the M2x6CS (RX28-047) while installing 1pc of the M2x1 shims (RX523) on each side to space up the axle carrier and lower the rear ride height.

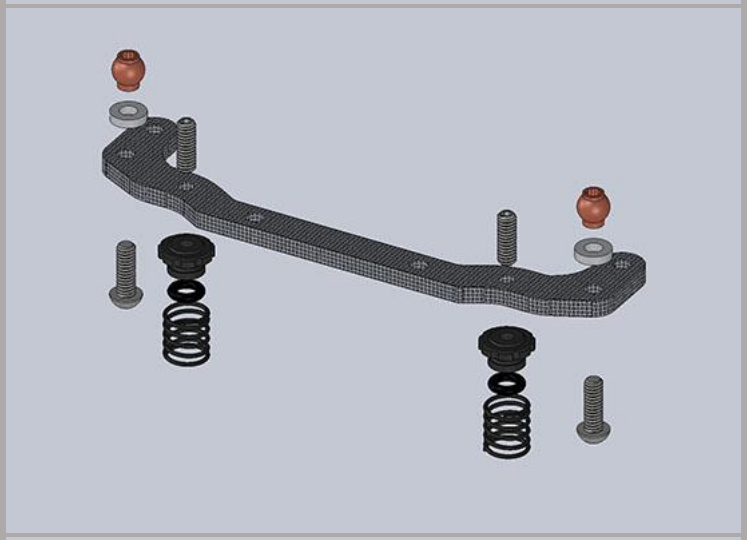
Lastly, install the Rear Center shock mount (RX28A-15) by using 2pcs of M2x6 Set Screw into the pod upper threads. It is best practice to Loctite these in. Slide the mount over the set screws and secure with 2pcs of the 3.5mm threaded pivot balls. To finish this assembly, install 1 pc of the 3.5mm ball stud in the forward threaded hole of the mount. Use an M2x1 shim under the shock.

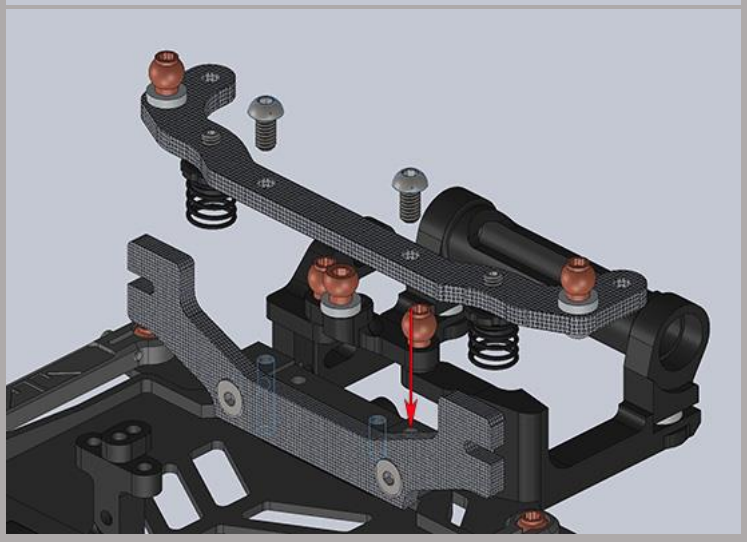
Now, pop the side links into the forward pivot balls installed on the chassis. Thread the M1.2 screws into the side links, but don't tighten.

RX28

WORLDS EDITION







ASSEMBLY INSTRUCTIONS

Now locate the center pivot ball on the motor mount and slide it into the pivot on the chassis. Pop the side links into the rear pivot balls on the motor plate. Once you have done this, you can tighten the screws on the side links. Tighten them to the point where the links are a little tight when attempting to rock them back and forth. After this, loosen them 1/8 of a turn at a time until they feel free when rocking side to side.

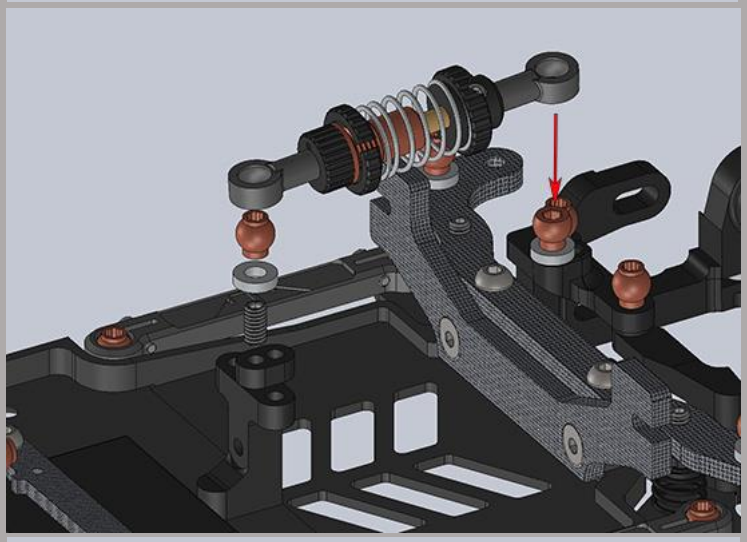
Find the Tweak Brace (RX28SE-02) next. Thread 2 pcs of M2x6 Set screws (RX28-040) into the tweak brace and leave 1mm above the brace of threads. If the screws don't thread easily STOP! Use a button head screw to pre-thread the hole. (If you don't do this, you will either strip the screw or break your driver tip.)

Thread the spring perches (RX28-011) into the threads through the bottom. Apply plenty of Loctite here. (You want the adjustment to come from the screw on the carbon, not the perch on the screw.) Slide the o-ring into the groove of the perch and then clip the springs (RX28A-04) into the perches. Install the 2 outer damper tube 3.5mm Pivot balls with an M2x6BH screw (RX28-025) while spacing it up with an M2x1 Shim.

Install the tweak brace on the chassis using 2x M2x4BH.

RX28

WORLDS EDITION



ASSEMBLY INSTRUCTIONS

Assemble the Center Shock as per the image on the left. Thread a ball cup (RX28-052) on the cap and one on the spring perch. Apply some 15,000 CST Fluid to the Shaft and Slide it into the shock body. Thread the adjustment collar onto the body. It is designed to be tight. This is why it is split, so the settings are not lost.

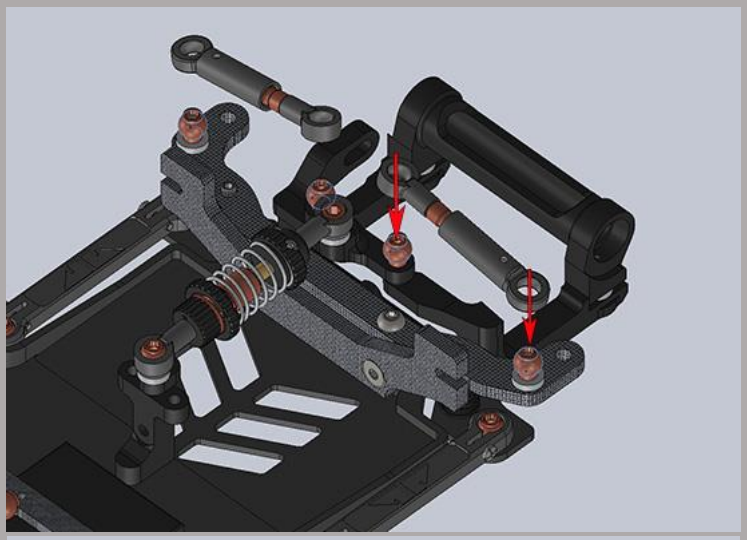
The spring will be held in place with the perch at the bottom. Tighten the perch onto the Shaft with and M2x2 Set Screw (RX28-038).

Install a 3.5mm Threaded Pivot Ball (RX28-017) along with an M2x4 (RX28-039) and an M2x1 Shim into the front hole of the forward, center shock mount. Pop the ball cup on the cap side of the shock into that pivot ball and the rear pivot ball into the rear 3.5mm Ball Stud Previously installed on the Rear, Center Shock Mount.

To build the Side Dampers (RX28-054) Thread a 3.5mm Ball Cup (RX28-052) into the Piston . Apply 15,000 CST Fluid on the piston and work it into the body side.

RX28

WORLDS EDITION



ASSEMBLY INSTRUCTIONS

Pop the Side dampers onto the pivot balls on the car.

BALL DIFF

Assemble the diff in the order in the images on the left.

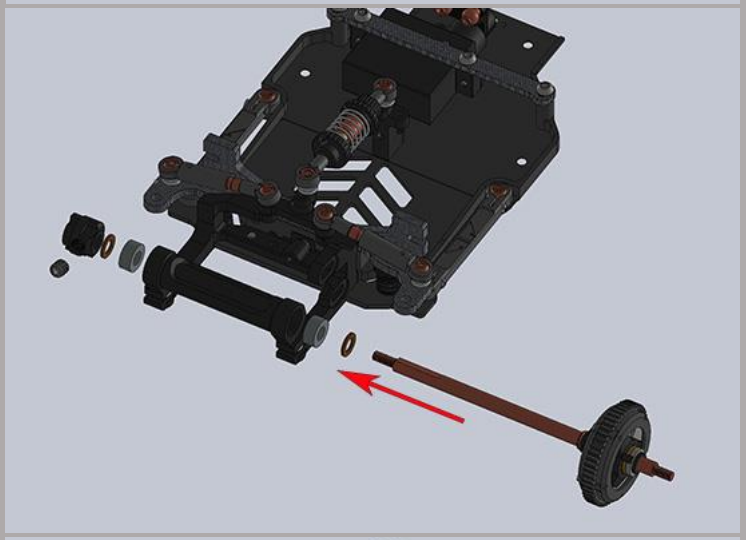
Some notes:

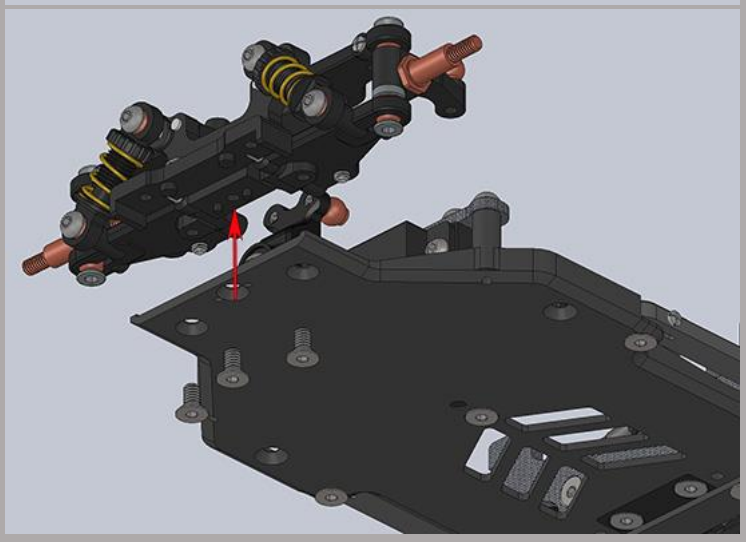
-The thrust bearing (RX515V2-2) has 2 different OD washers. The larger diameter goes inside the outer aluminum diff housing. The smaller one goes right under the E-Clip (RX407). Apply a generous amount of Reflex Racing Blue Thrust Grease (RX412) on the caged bearing (gold part with the balls) when installing.

-Apply some Reflex Racing Ball Diff Grease (RX414) on the diff balls before assembly.

-When installing the outer wheel, don't overtighten the wheel nut. This has a small additional adjustment range on the diff tension. Tighten the wheel nut all the way down and back off half tun. Then adjust the diff so it has a little slip under acceleration. At this point, use the outer nut to get the engagement you want.

WORLDS EDITION





ASSEMBLY INSTRUCTIONS

Once the diff is assembled. Install it in the rear axle carrier. Use the provided M3x0.5 axle shims (RX501) to adjust track width. The starting set up is 1pc on each side (there is an extra one provided in case you lose one). Narrower rear will give more rotation, wider will be more stable.

Use the M3x2 set screw into the left hub and leave about a 0.2 mm gap of play on the axle. Be carefull when tightening the left rear wheel as overtightening will make the rear hub move and bind the rear axle.

We now will build and install the front end.

If you are building a double A-Arm car, the manual link is here:

RX28G2 DAA Front End Manual V2.0

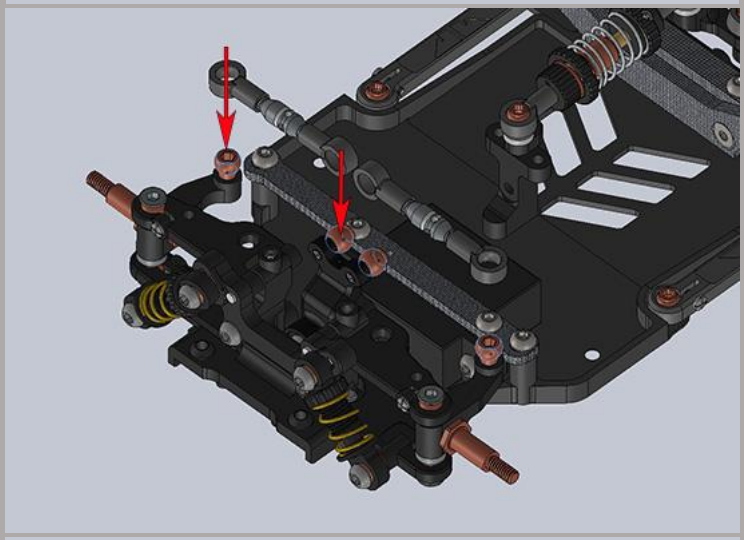
If you are building the K Front end, the manual is here:

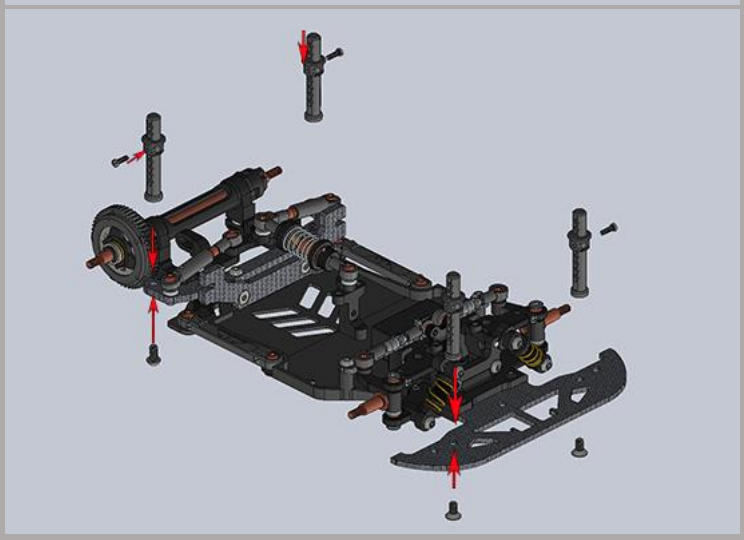
RX28 KISS FRONT END MANUAL

Once assembled, install the front end with 3pcs of the M2x4CS (RX28-023).

RX28

WORLDS EDITION





ASSEMBLY INSTRUCTIONS

Now build your turnbuckles (RX28-043) by threading the ball cups into the rods.

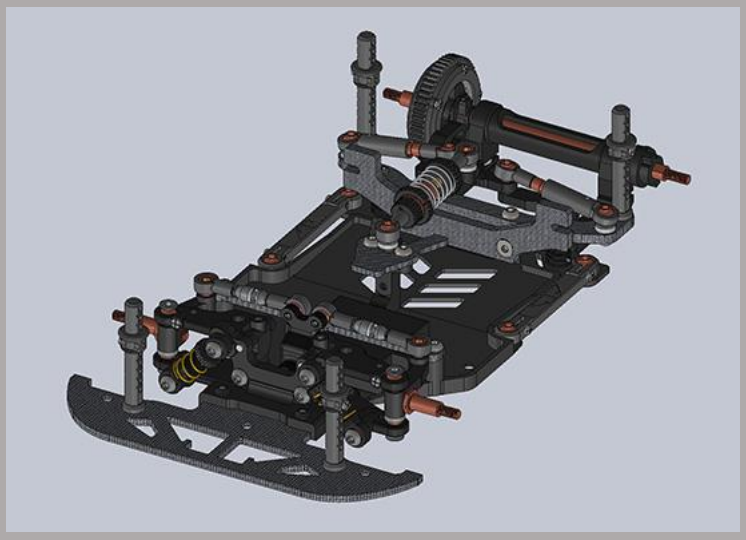
Next, pop the turnbuckles into the previously installed pivot balls on the knuckles and steering horn. Take note of the orientation of the Turnbuckles. The grooves on the rods are offset to one side. Make sure you install them facing the same direction so that when adjusting, you are going the same way to make them longer or shorter. To start off we suggest a starting setting of 0 degrees of Toe Out.

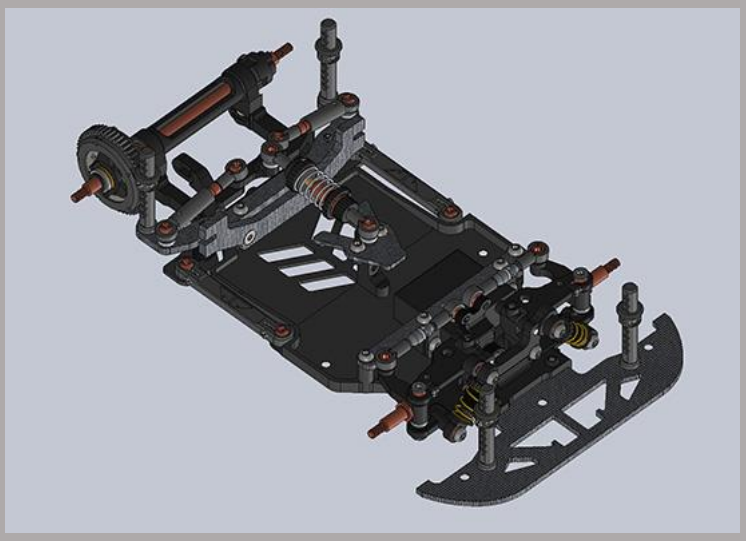
Home stretch! If running your RX28 with a Lexan Body, install the front bumper (RX519) with 2pcs of M2x4BH (RX28-022). Next, install the posts in the front bumper with 2 pcs of M2x4CS (RX28-023) and the rear posts on the tweak brace with 2pcs M2x4BH.

Next, slide the adjustable body holders over the post and locate the height that you need to set your body. The holders have offset holes so that you can adjust the body height in 1mm increments.

RX28

WORLDS EDITION





ASSEMBLY INSTRUCTIONS

You are now complete. With the build.

CRISTIAN TABUSH'S WORLDS SET-UP:

Front:

- **Orange Springs (RX28A-35)**
- **15,000 Grease**
- **Black Upper and Lower Arms**
- **0 droop over ride height**
- **Reflex RX604-40 Tires cut to 22.8 with 22.60 disc.**
- **Ackerman Forward**
- **2.0mm Ride Height**
- **1 deg Toe Out**
- **All else per manual**

Center:

- **15,000 Grease**
- **No Shim Under front shock**
- **0.75mm Center droop**

Rear:

- **No shims on rear axle**
- **Reflex Racing Gear Diff (RX538) with Reflex Racing Ceramic Grease (RX413)**
- **2.0mm Ride Height**
- **Marka 15 Degree Radial lightly Scuffed**
- **All Else Per Manual**