



**VENTUM**

**GSI**

USER MANUAL

Congratulations on your purchase of the Ventum GS1 Performance Gravel Bike! Born and tested in Utah's Uinta Mountains, the GS1 offers off-road comfort and versatility without sacrificing speed. It's the ultimate gravel machine: revolutionary design and cutting-edge engineering, all wrapped up in a sleek, speedy package.

This document will guide you through the process of setting up your new bike and getting out on the road. Of course, if you have any questions or if we can be of assistance in any way, please contact the Ventum Concierge team at [support@ventumracing.com](mailto:support@ventumracing.com).

Before you hit the road, please also take a moment to register your bike purchase via our website:

<https://ventumracing.com/register-your-bike/>



FRAME DIAGRAM .....	6
UNBOXING .....	8
WHEEL REMOVAL .....	10
SEAT POST INSTALLATION .....	12
FRAME UNBOXING .....	16
WHEEL INSTALLATION.....	18
FINAL CHECKS & ROAD TEST.....	22





## **VENTUM** FRAME DIAGRAM

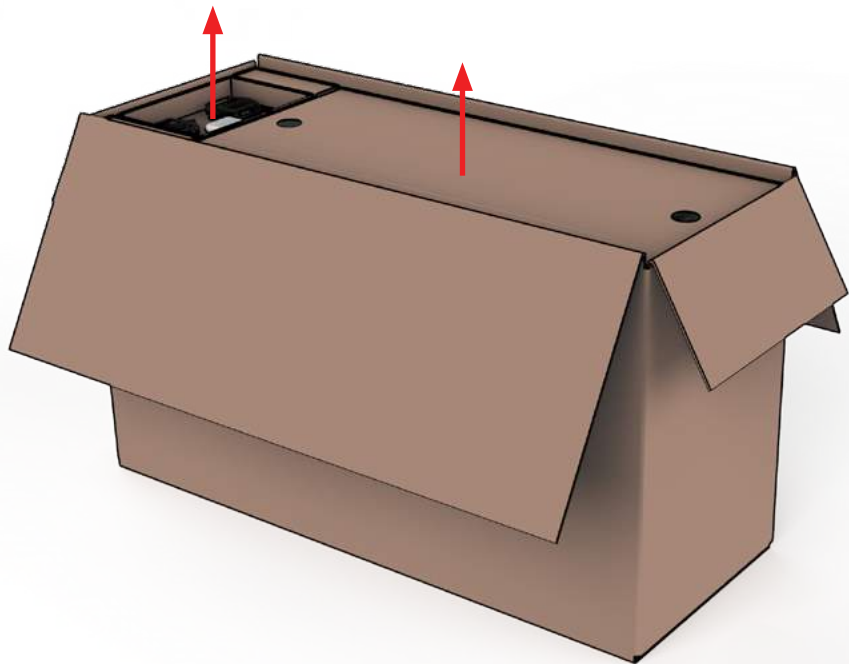
6

Please carefully inspect the image. It gives you a thorough break down of the names of the tubes that the frame/fork consist of and the components that this bike uses. Please refer back to this image as needed.

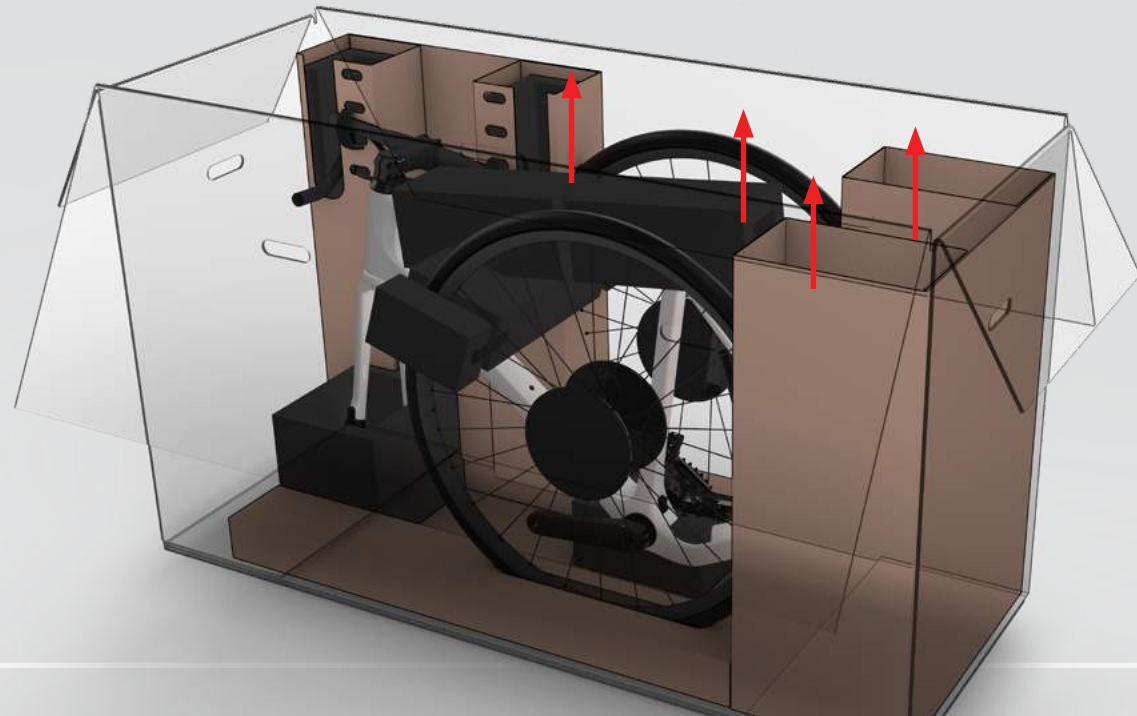
1	Top Tube	13	Handle Bar
2	Fork	14	Brake/Shift Lever
3	Head Tube	15	Rear Derailleur
4	Down Tube	16	Cassette
5	Chain Stay	17	Chain
6	Seat Stay	18	Crank
7	Seat Tube	19	Front Derailleur
8	Seat Post	20	Brake Caliper
9	Saddle	21	Brake Rotor
10	Seat Post Clamp	22	Tire
11	HeadSet Spacer	23	Rim
12	Stem	24	Dual-Offset Chip



Remove the parts box and support cover

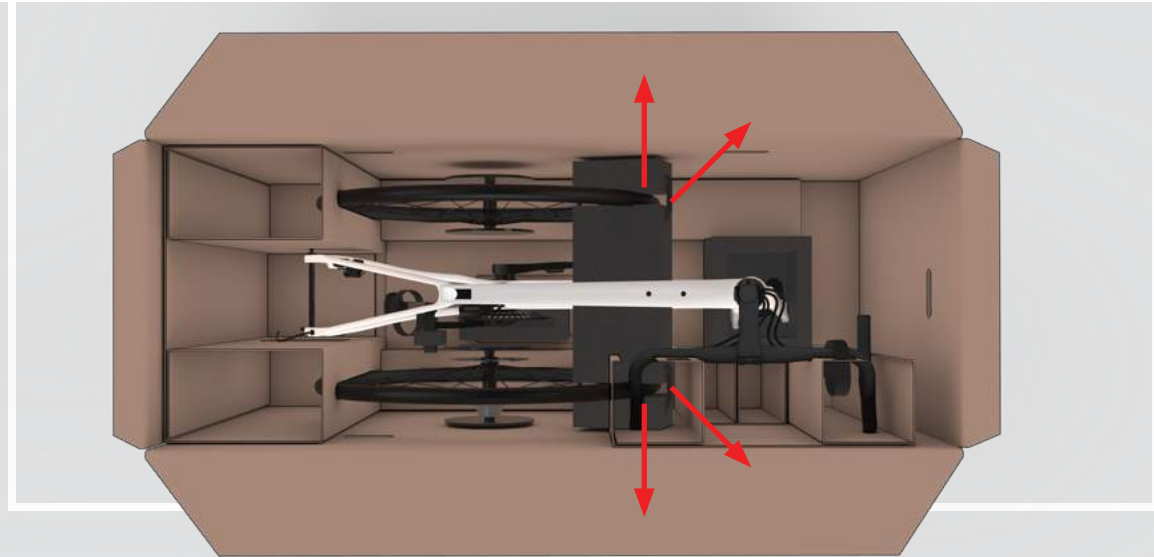


Remove the top tube foam blocks and shifter blocks

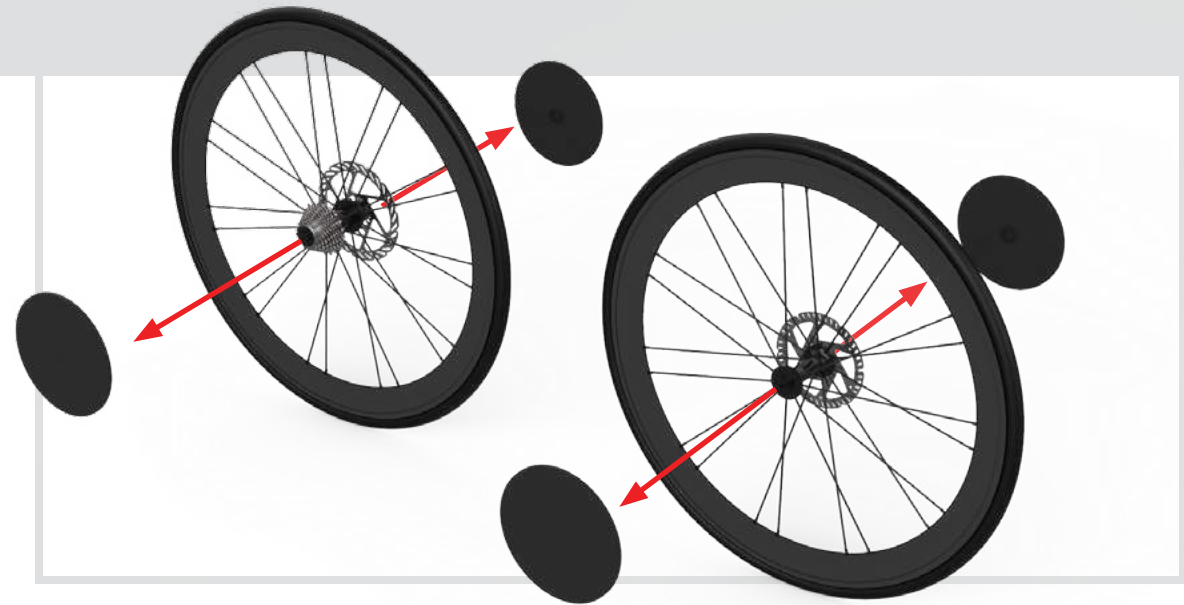


Remove the straps and foam blocks from the wheels

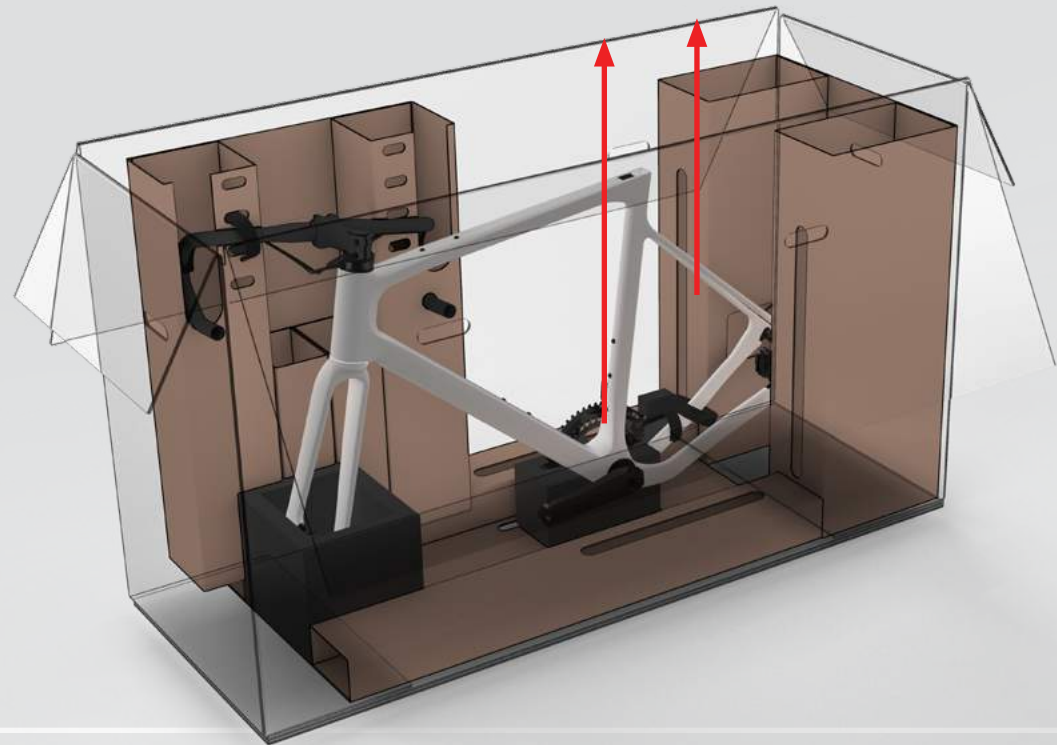
\*Please note that the bars may be turned for fit.



Remove the wheels from the box and remove the hub guards



1. Detach the seat post and remove the protective foam
2. Undo the strap around the bottom bracket



1. Plug Di2 cable into seat post battery, you should hear a click.

\*Disregard step #1 if your build is with SRAM Red or Force.

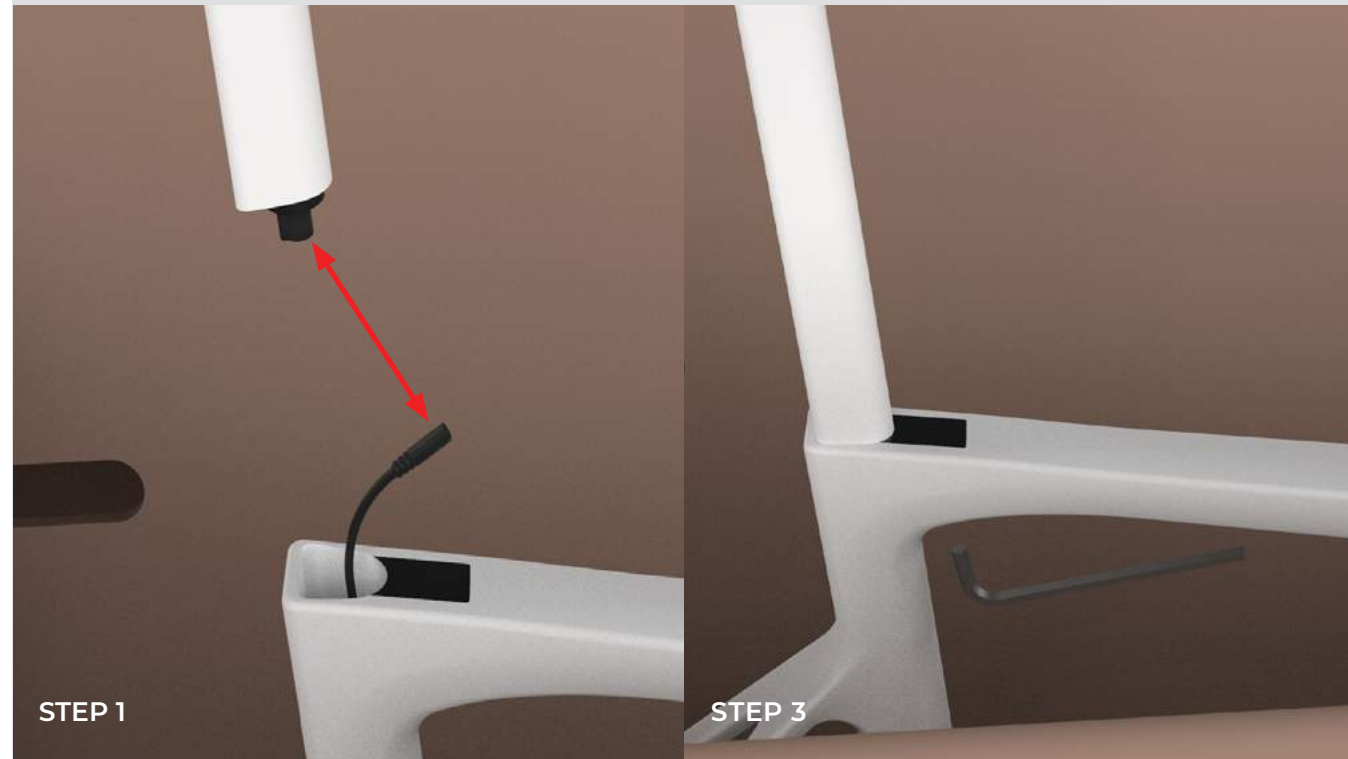
2. Insert the seat post into the frame. Ensure the minimum insertion depth of 10 cm is achieved.

3. Torque the seat post clamp bolt to a minimum of 6 N.m. Temperature, moisture, and contaminants can affect the seat post clamp. If necessary, it can be torqued up to 8 N.m.

**NOTE:** To remove or adjust the seat post, loosen the seat post clamp bolt. It is not necessary to remove it from the clamp entirely. Simultaneously tap the tail and nose of the saddle with your hands to disengage the clamp's grip on the seat post and permit adjustment. Push or pull the seat post as required to achieve the desired saddle height.

**! WARNING !**

FAILURE TO FOLLOW THESE INSTRUCTIONS COULD LEAD TO SERIOUS INJURY OR DEATH.



STEP 1

STEP 3



Remove the straps from the handlebar



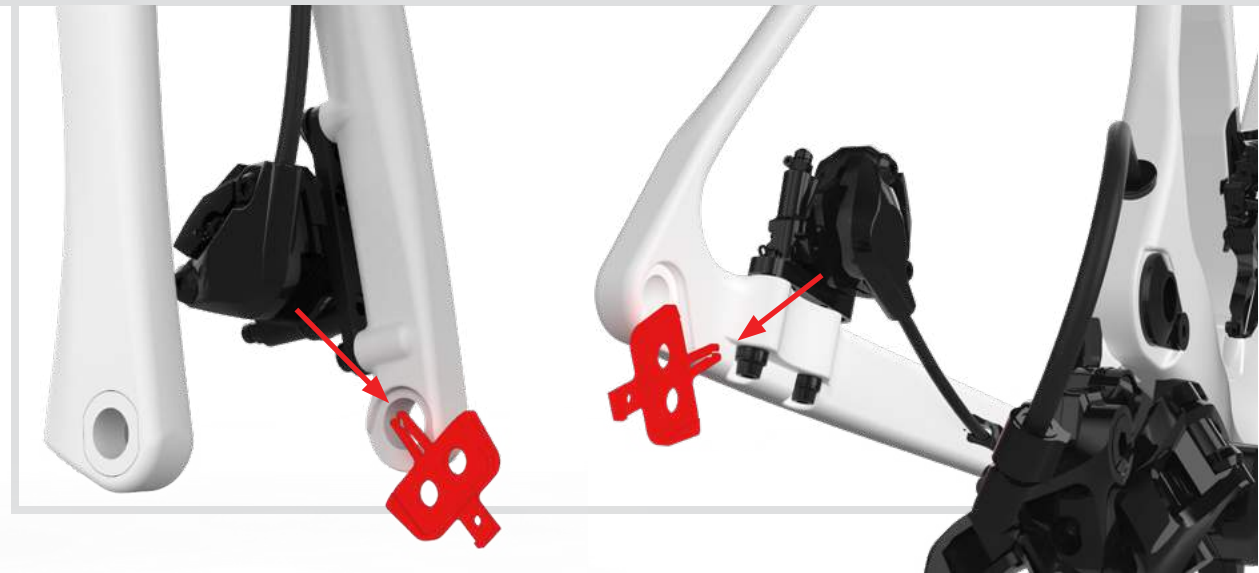
1. Lift the frame out of the box
2. Detach the strap and foam block from the crank arm



Unscrew the thru axles from the frame and fork using a 6mm hex tool



Remove the spacers from the brake calipers



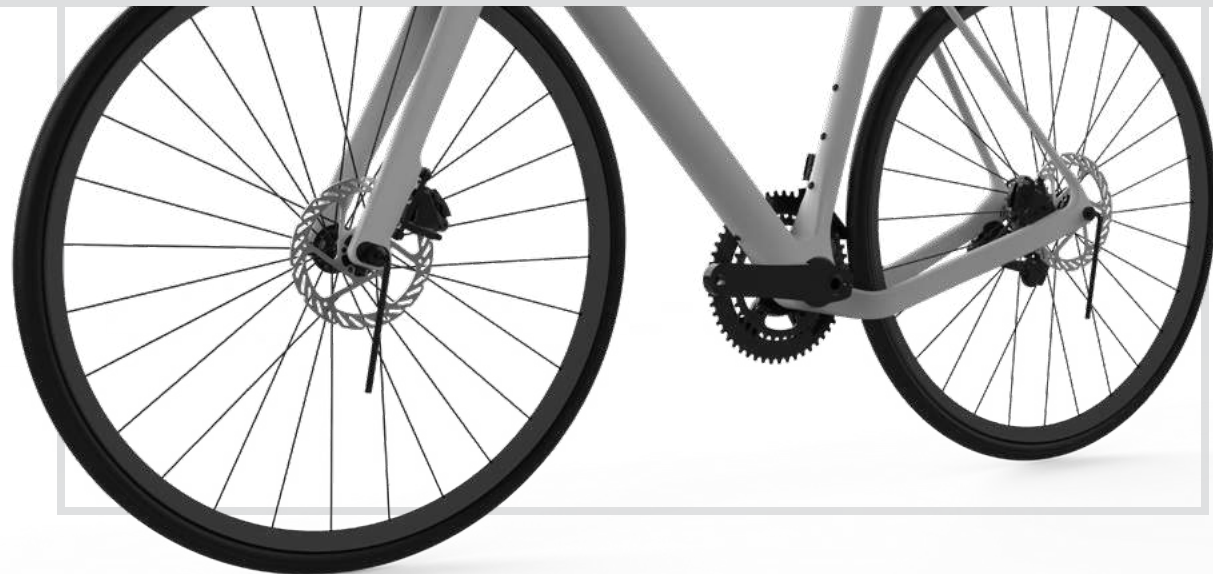
Install the wheels ensuring the rotor lines up between the brake pads



Secure the wheels by re-installing the thru axles. Torque to 12 N.m.

**! WARNING !**

FAILURE TO FOLLOW THESE INSTRUCTIONS COULD LEAD TO SERIOUS INJURY OR DEATH.



Your Ventum GS1 comes equipped with our Dual-Offset Fork. This fork has a 2-position front dropout that allows the rider to adjust the fork offset (effective steering geometry) to fine-tune their ride characteristics. The 2-position system comes with 5mm of fork offset adjustment.

Your GS1 will come pre-assembled in the “long” position. This is with the dropouts in their most forward position. Follow to below instructions to change to the “short” position:

1. Remove thru-axle, wheel, and brake caliper from the fork
2. Unscrew the T20 bolt on the drive-side insert, located on inside of the fork. Repeat the step on the non-drive side.
3. Reverse orientation of the inserts and reinstall the bolt for each back into the insert and fork. (Torque spec is 2Nm)
4. Add the 2 included 5mm spacers between the adapter plate and the fork (Torque spec is 6-8 Nm)  
*Note: In both configurations the adapter plate MUST remain orientated with “140” at the top of the plate*
5. Affix caliper to the fork, install wheel into the dropouts, and secure the thru-axle
6. Adjust caliper (as needed) to align with the brake rotor

We know different riders have different priorities, so we took handling preferences one step further with the Ventum Dual-Offset fork. The ideal position of the Dual-Offset fork will be dictated by rider preference, terrain, and tire selection.

All other things equal, in the “long” position, your steering is more deliberate, wheelbase is a little longer, and your handling will be more stable and predictable. This is great for confidence on long gravel descents or really long days in the saddle. In the “short” position your steering response will be quicker and the steering will feel livelier. This is great for riding with tight turns (such as on single track or cyclocross), riding exclusively on the road, or if you really enjoy snappy steering.

Effective tire size will also play a part in your handling and may also affect which position you want to use. As the tire size increases, your steering response gets slower. For example, your GS1 comes shipped with 37c width tires and is in the “long” position. If you increase your tire size to 42c width tires, your steering will become slower, and you may want to set the chip in the “short” position to offset this change. Conversely, if you use narrow tires, such as 32c width, the steering will be livelier, and you could counteract that by positioning the fork dropout in the “long” position.

No matter what riding style you prefer, the GS1 lets you dial in your ride.



1. Install your pedals as per the manufacturer's instructions.
2. Add included Stan's Tire Sealant (1 bottle for each wheel)  
[Installation Video](#).
3. Then Check the tire pressure and inflate as per the manufacturer's recommendation.
4. Adjust the saddle height as necessary. Ensure the seat post minimum insertion depth of 10 cm is achieved.
5. Put on your shoes and helmet and take your new bike out for a road test. Always wear a helmet when you ride your bicycle.
6. Check the operation of the brakes, derailleurs, and steering.

**! WARNING !**

FAILURE TO FOLLOW THESE INSTRUCTIONS COULD LEAD TO SERIOUS INJURY OR DEATH.

**ENJOY YOUR NEW RIDE!**

