

GNARVANA V2 SEATSTAY KIT



GUERRILLA X GRAVITY

INTO THE GNAR!



PARTS NEEDED

- Gnarvana V2 Seatstay Kit
- 230x65 rear shock

TOOLS NEEDED

- 5mm Hex x2
- 6mm Hex
- Master Link Pliers
- Torque Wrench
- Workstand
- Bike Cleaner and Rags



Step 1: Place Bike in the workstand

Step 2: Remove chain using master link pliers.



Step 3: Remove rear wheel. 6mm or 5mm depending on rear axle



Step 4: Remove rear derailleur using 5mm hex. Cut all zip ties and let hang until reassembly.



Step 5: Remove rear brake caliper from seat stay. Cut all zipties and let hang until reassembly.



Step 6: Remove Shock bolts using 6mm hex. Set shock to the side



Step 7: Loosen the 5mm Bolt and 4mm washer that goes from the shock mount to rocker link. **Leave a few threads attached to keep the seatstay stable.** Repeat on non drive side



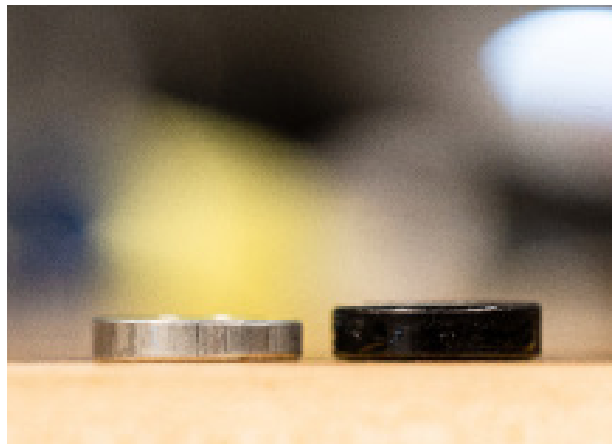
Step 8: Remove the 5mm sex bolt using **two 5mm** allen keys, from the seat stay to chain stay pivot. Repeat on the non-drive side.



PRO-TIP using one of the shock bolts to thread into the sleeve of the sex bolt and you can gently tap that out with a hammer.



Note: Alloy Seatstays use a 3mm washer. Carbon Seatstays use a 4mm washer



Now you are ready to install you new Gnarvana V2 seatstay kit and shock for your model!

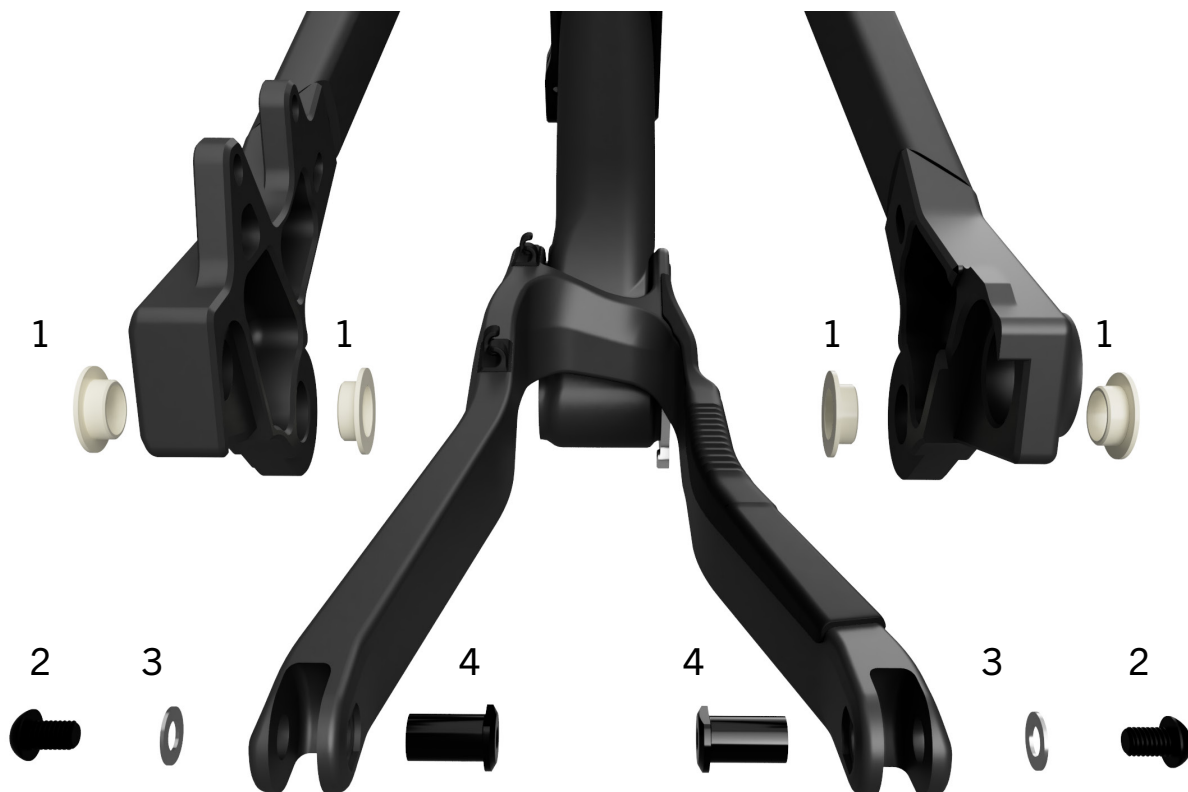


The rear of the bike should look like this.



Exploded View

1. IGUS Bushing for lower Seatstay Pivot - x4
2. Male Sex bolt - x2
3. Sex bolt washer - x2
4. Female Sex bolt - x2



Exploded View

1. Upper Seatstay Pivot Bolt
2. Upper Seatstay Washer 3mm



Exploded View

1. Revved Axle Nut
2. Revved Main Pivot Axle
3. Main Pivot Wedge
4. Main Pivot Bolt



Step 1: Install the two 5mm bolts from the seat stay to chainstay pivot. Repeat on the non-drive side. **Torque to 10Nm**

Step 2: Install the 5mm Bolt and 4mm or 3mm washer that goes from the shock mount to rocker link. Repeat on the non-drive side. **Torque to 15Nm**

Step 3: Install new shock and shock bolts using 6mm hex. **Torque to 15Nm**

Step 4: Install rear brake caliper to seat stay.

Step 5: Install rear derailleur.

Step 6: Install rear wheel. **Torque to 20Nm**

Step 7: Install chain.

Step 8: Double Check torque on all hardware, re-align brake caliper, check shifting, and set sag.

Step 9: Go get rad on the trails on your new rig!

Torque Specs

Cockpit:

- **GeoAdjust Headset preload bolt:** 5-7 Nm
- **Stem bolts:** 5 Nm
- **Seatpost clamp:** 2-5 Nm

Suspension / Brakes:

- **Shock bolts:** 10 Nm
- **Derailleur hanger bolt:** 10 Nm
- **Rear axle:** 20 Nm
- **Brake bolts:** 6-9 Nm

Frame:

- **Main pivot axle:** 25 Nm
- **Main pivot wedge bolt:** 15 Nm
- **Rocker pivot axle:** 20 Nm
- **Rocker pivot pinch bolt:** 15 Nm
- **Seatstay / rocker bolt:** 10 Nm
- **Swingarm / seatstay bolt:** 10 Nm

FRAME FITTINGS

Seatpost: 30.9 mm with stealth dropper routing

Seatpost clamp: 37 mm (included with frame)

Shock hardware: 8x20 (F), 8x35 (R)

Max seatpost insertion:

- Size 2: 240 mm
- Size 3: 250 mm
- Size 4: 260 mm

Chainguide mount: ISCG05

Bottom bracket: 73 mm BSA threaded

Chainline: Compatible with 52MM

Max chainring size: 34t

Rear spacing: 12 x 148 Boost rear hub, offset 0 mm

Derailleur hanger: Sram UDH

Brake mount: ISO STANDARD



PARTS LIST

Frame Parts:

Seatpost: 30.9 mm with stealth dropper routing

Seatpost clamp: 37 mm (included with frame)

Rear axle: SRAM Maxle 12x148 Boost

Frame Bearings:

Main pivot: 6903 Max

Rocker pivot: 6901 Max

Seatstay to rocker: 6900

Seatstay to chainstay: IGUS Bushing

GeoAdjust Headset Parts:

Upper bearing: FSA MR122

Lower bearing: FSA MR127

Drivetrain Parts:

Bottom bracket: 73 mm BSA threaded

Derailleur hanger: SRAM UDH

RIDE CHECKLIST

Every Ride Checklist

- Check for loose bolts. This does not mean to over-tighten the bolts every ride. Check to see if any bolts have loosened, and if so, then retighten them to the torque specs provided in this manual.
- Check the brakes for proper operation.
- Check tire pressure.
- Clean and lube the chain and drivetrain.
- Make sure your headset is tight by holding the front brake and rocking the bike back and forth and feeling for play or slop at the headtube, headset bearing cup junction.
- Clean all stanchions, including the fork, shock and dropper post.

Every 10 Rides Checklist

- Check to make sure your brake pads have sufficient pad material left, replace if they are close to being worn down to the metal base.
- Make sure your tires are safe to ride on. Look for damaged casings, knobs are still in tact, and there is no dry rotting.
- Check chain wear. Bike shops have a tool to measure this, if the wear is beyond 75% of the usable range, replace it.
- Check spoke tension for both wheels. If a spoke is loose, tighten it so that it's tension is uniform with the other spokes.

Every 20 Rides Checklist

- Clean and inspect your frame.
- Check brakes, suspension and dropper seat post for smooth operation and service them if necessary.

CLEANING MAINTENANCE

Cleaning your bike:

Avoid high pressure washing, especially near any bearings or seals. The pivot bearings are designed to be shielded from water spray as much as possible, but gentle washing will produce longer bearing lives. Use a mild soap and water. It may be possible to have remnants of crushed rocks in random locations.

Be careful to avoid spraying any soapy water onto brake pads or rotors as the oils in many soaps can contaminate your braking surfaces.

Cleaning your suspension:

After each ride, wipe down your suspension and dropper post using a clean micro fiber cloth. Keeping the wiper seals and stanchions clean will maintain the best suspension performance between service intervals.

Cleaning your drivetrain:

Use a mild citrus degreaser to clean your chain and drivetrain as needed. Avoid using aggressive solvents and mineral spirits, which can degrade the finish of your frame and components.

SAFETY

- Mountain biking is an inherently dangerous sport, and it is your responsibility to keep yourself safe while riding by wearing the proper protective equipment and riding within your abilities at all times. Guerrilla Gravity is not liable for any injuries you incur while on (falling off) your bike.
- If you ride at night, use lights and reflectors.
- If your bike is less than fully assembled when you receive it, take it to a qualified mechanic. If you assemble it yourself, we assume no responsibility for improper construction leading to an equipment failure or personal injury. If you're in doubt about who is a qualified mechanic, call us and we'll help you find one in your area.
- Serial number – Each Guerrilla Gravity bike has a serial number stamped onto the head badge. This number denotes the model, date of fabrication, and manufacturing location. Make a note of this number in your records in case your bike is stolen. We recommend registering your bike with <https://bikeindex.org/>.



WARRANTY

With our Revved Carbon technology, a durable powder-coat finish, and our domestic manufacturing processes our bikes are built to last. But we know that sometimes things happen. That's why we will cover any defects in materials, craftsmanship, or manufacturing for the lifetime of your frame and GG manufactured components. The warranty does not cover any damage caused by wear and tear, neglect, riding the bike outside of its intended use, intentional destruction, or crashes. Frames painted or powder coated outside of GG's system are not eligible for the Lifetime Frame Warranty.

To submit a warranty request, please fill out the form below. You must be the original owner of the bike. You will need to provide proof of purchase and send the item back to us with a provided shipping label. If you are local, you can drop it off at the shop. Once your claim is submitted we will review it and be in touch as soon as possible.

CRASH REPLACEMENT

Our bikes are built tough, but sometimes the trail can be tougher. In the event of a crash or non-warranty situation, we will do our best to offer replacement parts at a compelling discount. The same terms as above apply to be eligible for a crash replacement. You will be responsible for shipping costs for getting the new part to you

EXTERNAL COMPONENTS

We outfit our bikes with components we have confidence in, but sometimes things malfunction. The component manufacturer is responsible for any component failures, but we are happy to help facilitate a warranty with the manufacturer. We are always looking for feedback on components, so we can ensure we're putting the best in the industry on our bikes. Feel free to share your experience with us at Bikes@RideGG.com, even if you've handled it elsewhere.

<https://ridegg.com/pages/rider-support>