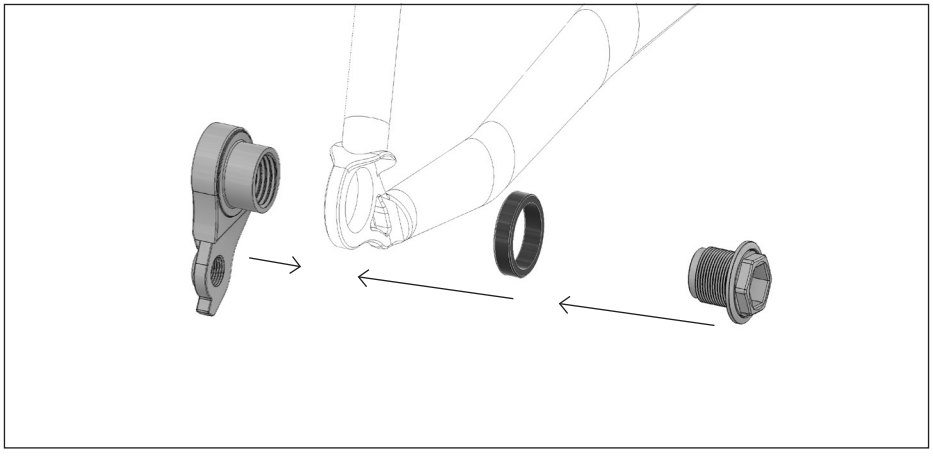
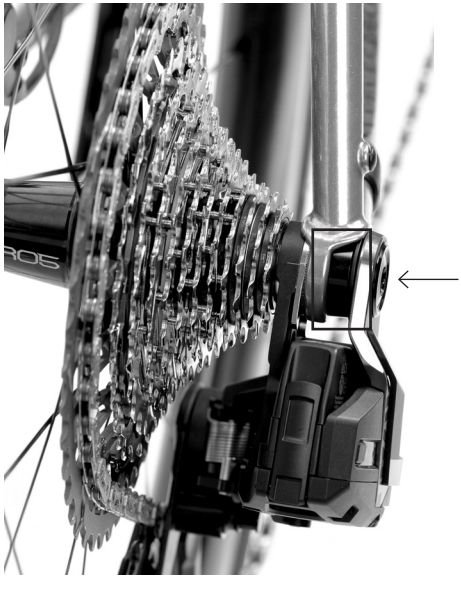
# Derailleur Hanger Assembly



!!! Spacer – always required !!!



Sram Transmission:
Direkct Mount Derailleur without UDH

Shimano GRX:
Regular Derailleur incl. UDH

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# Introduction

Dear customer,
thank you for choosing our quality product „Made in Germany “. We are very pleased to welcome you as a customer.

This is certainly not a new fact for you now, but:
We love quality, we are perfectionists and above all we want to guarantee you the fun with our products for a long time.

So please take the time to carefully read all warnings and hints in this manual before you assemble the frame/bike and put it into operation.
Please also hand out this manual if you pass on the frame to a third party. This is not a manual for assembling the frame. The assembly of a bicycle
requires special knowledge and tools to be able to assemble the frame.

All information in this manual refers to details regarding use, assembly, technology and care and maintenance.
Please pay attention to this information. Some of it is relevant to safety - disregarding it can therefore sometimes lead to serious accidents, falls or economic damage.

Only when you have fully read, understood and implemented the contents of this manual, you may put the bike into operation.

Should there still be any questions, we will of course be there to help you.
Simply contact us at:

Email: hello@sour.bike
Phone: +49 351 275 12 329

# Warnings

In this manual you will find three different types of information. Whenever you see these symbols, there is always the risk that the described danger will occur! The area to which the warning applies is highlighted in gray.

The notes are designed as follows:

## Note:

This symbol provides information about the handling of the product or the respective part of the operating manual to which special attention should be drawn.

## Danger:

This symbol indicates a possible danger to your life and health if the corresponding instructions for action are not followed or if appropriate precautionary measures are not taken.

## Important Bolted Connection

Here, an exact torque must be maintained when tightening. The correct tightening torque is either shown on the component or you can find it in the relevant text section. If a torque is indicated on a component, it is essential that you adhere to it. You must use a torque wrench to maintain an exact tightening torque. If you do not have a torque wrench, leave this work to your dealer! Parts that are not tightened correctly may come loose.

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# Legal Requirements

Before you take part in road traffic, please inform yourself about the applicable national regulations. You should comply with them. In Germany this is regulated by the StVZO (German Road Traffic Licensing Regulations) and the STVO (German Road Traffic Regulations).

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# Intended Use

## Risk of improper use:

Use your vehicle only within the scope of its intended use. Intended use also includes compliance with the operating, maintenance and servicing conditions. Also inform other users about the intended use and the dangers of non-compliance. Improper use, overloading or lack of care can result in accidents and falls with serious injuries for you and others! If you are not sure to which type your frame/bike belongs, please ask us about the limits of use.

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Bicycles serve as a means of transport for a single person. The transport of one additional person on the bicycle is only permitted within the framework of the respective national legislation. If you wish to transport luggage, this requires a suitable device on the bicycle. Children may only be transported in child seats and trailers designed for this purpose. Make sure that the quality is high!

Pay attention to the permissible total weight. The maximum permissible total weight of the bicycle must not exceed the value specified for the respective frame type (see handover documentation on page 14).

Manufacturer and dealer are not liable for any use beyond the intended use. This applies in particular to non-compliance with the safety instructions and resulting damage, for example due to:

- the use in difficult terrain, high jumps, extreme downhill or aggressive bike park use
- Overload or
- Incorrect removal of defects
- Improper or insufficient maintenance and care
- Damage caused by crashing or overloading

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# Assembly

Assemble all attachments and components according to the specifications of the component manufacturers. Observe all dimensions, tolerances and tightening torques. The frame is ready for assembly, threads are cut and bearing seats are milled.
Use only high-quality tools. Use suitable lubricants. Use carbon assembly paste if you are using carbon components.Important: If you have any questions or uncertainties during assembly, please contact us.

In very rare cases, damage may occur during transport, although we always pack our bikes and frames in the best possible way. In this case we ask you to contact us first. If you make use of your bike in spite of a recognized damage, we can't unfortunately pay for damages.

## Danger:

Modern bicycle technology is high-tech! Working on it requires special knowledge, experience and special tools! If you are unsure or have questions about assembly, do not carry out work on your bike/frame yourself! Take your bicycle to a specialist workshop for assembly, repair, maintenance and overhaul!

## Danger:

Wear suitable protective clothing, protective gloves and safety goggles during all assembly and maintenance work. Otherwise, soiling or injuries, including those caused by lubricants and auxiliary materials, may result.

## Danger:

After successful assembly and adjustment, check all screw connections and fastenings for secure fit. If you are not completely sure that your bike is in perfect condition, do not ride it. Have it checked by a specialist dealer.

# Bolted Connections

For all screw connections on the bicycle, the correct tightening torque (the correct tightening force) is necessary for them to hold securely. Too much or too little tightening torque can be harmful to the bolt, nut or component. A torque wrench is suitable for correct tightening, which indicates when the set tightening torque has been reached. Without this special tool you cannot tighten the screw connections correctly! If a torque is indicated on a component, it is essential that you adhere to it. If you do not have a torque wrench, you should definitely leave this work to your specialist dealer!

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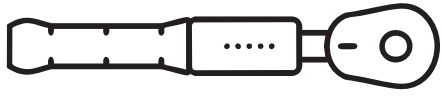
The required torques can be found under selection of the respective frame model on the website:

www.sour.bike/torquespec



Torque Wrench

# For your safety

- Always put on an adapted and suitable bicycle helmet and use it on every ride!
- Always wear light-colored clothing or sportswear with reflective elements when riding. If you are moving in difficult terrain, wear suitable protective clothing, e.g. full-face helmet and protectors.

- Always wear light-colored clothing or sportswear with reflective elements when riding. If you are moving in difficult terrain, wear suitable protective clothing, e.g. full-face helmet and protectors.

- Your shoes should have non-slip and stiff soles.
- Never ride hands-free.
- Never ride with headphones, never make phone calls while cycling.
- Never ride if you are not able to control your ride completely. This is especially true if you have consumed medication, alcohol or other drugs.

- Adapt your riding style to the requirements on wet or slippery roads.
- Ride more slowly and brake carefully and early, as the braking distance increases significantly.
- Adapt your speed to your riding skills.
- Please note that you as a road user are exposed to particular dangers when riding a bicycle. Protect yourself and others by riding responsibly and safely!

# For your safety

## Risks due to traps:

During use, but also during installation, maintenance or servicing, there are dangers due to moving and rotating parts on your vehicle. Protect yourself by not wearing loose clothing that can get caught. Tight leg clothing is mandatory, use trouser clips if necessary. Stay away from rotating parts (wheels, brake discs, gears) during operation and maintenance and do not touch any moving, pointed or protruding parts (cranks, pedals).

## Danger:

Especially if you use your bike intensively, through sports or daily use, have your bike checked regularly by your dealer. He will detect damage and worn components and can advise you on the choice of a replacement. If you exceed the intended use or service life of components, they may suddenly fail. Do not repair safety-relevant components (frame, fork, handlebars, stem, headset, brakes, lights) yourself.

## Danger:

Components made of aluminum can break suddenly if they are deformed. Do not use components that are deformed or bent, e.g. after a fall. If you find cuts, cracks or holes, do not drive off under any circumstances! Have your bike checked in a specialist workshop first and only replace it with original spare parts from the manufacturer or with parts approved by the manufacturer.

## Danger:

If you notice a change in your bike, DO NOT continue riding. Do not retighten loose parts without first checking and without a torque wrench. Take the bike to your dealer and have the bike checked!

# Service and Maintenance

## Danger:

The function and firm fit of the spring elements are essential for your safety! Maintain and check your full-suspension bike regularly! Warm water with a little detergent or a gentle cleaning agent are suitable cleaning agents.

## Danger:

Regularly check the joints of the rear triangle for play. Hold the frame firmly and try to move the rear wheel sideways. You can also check for play in the rear shock mountings by lifting the rear wheel quickly and putting it down again. If anywhere a) play can be felt or b) rattling can be heard, you must have your bike checked immediately by your dealer. Do not use your bike until it is repaired.

## Note:

Components made of aluminum can break suddenly if they are deformed. Do not use components that are deformed or bent, e.g. after a fall. If you find cuts, cracks or holes, do not drive off under any circumstances! Have your bike checked in a specialist workshop first and only replace it with original spare parts from the manufacturer or with parts approved by the manufacturer.

## Danger:

If you notice a change in your bike, DO NOT continue riding. Do not retighten loose parts without first checking and without a torque wrench. Take the bike to your dealer and have the bike checked!

# Service and Maintenance

## The following applies for permanently safe function and maintenance of warranty claims:

- Clean your bike after every ride, check it for damage.
- Have the dealer carry out inspections.
- Check your bicycle at intervals of about 200 to 400 km or three to six months.
- Check that all screws, nuts and quick-releases are tight.
- Use a torque wrench for screw connections!
- Maintain and lubricate moving parts (except braking surfaces) according to manufacturer ‘s instructions.
- Have paint damage repaired.
- Have defective and worn parts replaced.

# Liability for defects (Warranty) und Guarantee

## Note:

In Germany/Austria and all countries subject to EU law, partially standardized conditions for warranty/liability for defects apply. Please inform yourself about the national regulations that apply to you.

Within the scope of application of EU law, the Seller shall grant liability for material defects at least for the first two years after the date of purchase. This extends to defects that were already present at the time of purchase/ transfer. During the first six months, it is also assumed that the defect was already present at the time of purchase. Bicycles are complex vehicles. It is therefore necessary to observe all maintenance intervals conscientiously. Omitting the maintenance endangers the seller 's obligation to enter into the contract, namely if the defect could have been avoided by maintenance. The required maintenance can be found in the chapters of this manual.

In Germany / Austria you can demand subsequent performance in a first step. If this finally fails, which is suspected after two attempts of supplementary performance, you have the right to a reduction in price or to withdraw from the contract.

In Switzerland, liability is limited to one year after the date of purchase. If a defect occurs, you have the choice between cancellation of the contract, reduction and subsequent delivery or, if necessary, rectification of the defect.

The liability for material defects does not extend to normal wear and tear within the scope of the intended use.

Components of the drive and the deceleration devices as well as tires, lamps and contact points of the rider with the bicycle are subject to wear and tear due to their function.

If the manufacturer of your bicycle provides additional warranty services, please contact your dealer. Please refer to the respective warranty conditions for more detailed information on the range and a possible claim under such warranty.

## Note:

If a defect/liability case occurs, please contact your specialist dealer. Keep approvals of purchasing and inspection documents as evidence.

# Warranty

A: Without limiting your statutory warranty rights, the following additional conditions apply to the warranty:
The warranty does not apply if the bicycle shows signs of damage or wear and tear caused by improper or improper use according to the areas of use for the respective bicycle as shown on our website. Improper use includes the following measures in particular:

- Neglect of the product (insufficient care and maintenance)
- Incorrect or incorrect assembly of attachments
- Changes to the frame or fork (e.g. engraving or painting)
- Extension and modification of additional components not expressly approved by us or replacement of the components installed by us at the time of delivery with components of a different type
- Continuous operation of a bike with incorrectly adjusted, defective or worn out bearings or defective suspension elements
- Damage to the seat tube in the area of its projection to the top tube due to a seat post being pulled too far out of the seat tube

Furthermore, the warranty does not apply if the bicycle shows signs of damage or wear and tear caused by overload of any kind, especially crashes and jumps. Overload is present at:

- a deformation of the frame. This is the result of overloading an is therefore a sign of improper use
- a bent or broken derailleur hanger (fixing point of the rear derailleur)

This is a result of overload or incorrect adjustment. This component represents a predetermined breaking point and protects the frame and rear derailleur from damage due to overload.

B: Our warranty applies only to the original purchaser of the product and requires a copy of the original sales receipt and a registration as stated in point 15.

# Handover documentation

## Customer:

Name .....

Address .....

Date/Sign .....

## For change of ownership:

Name .....

Address .....

Date/Sign .....

## Frame Identification:

Modell .....

Frame Size .....

Color .....

Frame Number .....

The frame number is located on the bottom bracket of your frame.

Unless otherwise noted, trailers, child seats, carriers are not permitted and the bicycle is not approved for competitions.

Approved for trailers yes / no

Approved for competitions yes / no

## Maximum permissible total weight:

The permissible weight of the rider including luggage is 100 kg.
Maximum total weight (weight of bike + rider + luggage) is 120 kg.

# Contact & Imprint


## Sour Bicycles GmbH

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Deutschland

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Sour Bicycles- EN Edition 1.2 16. Juli 2026