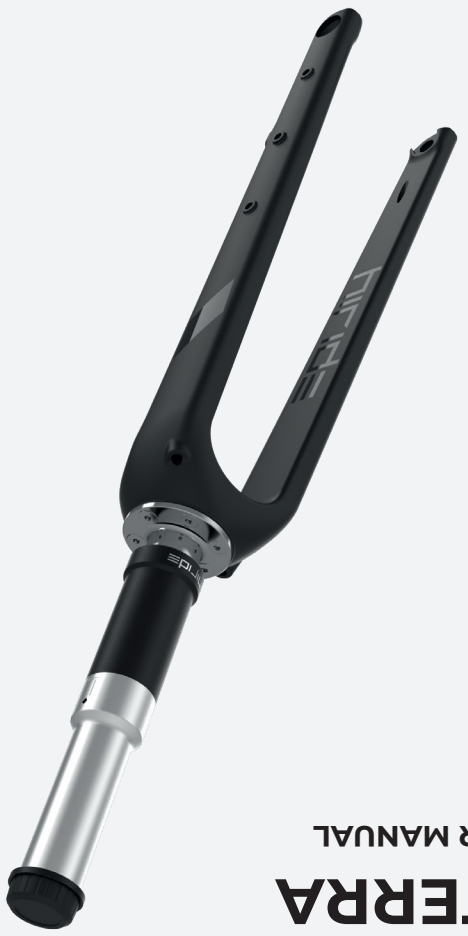
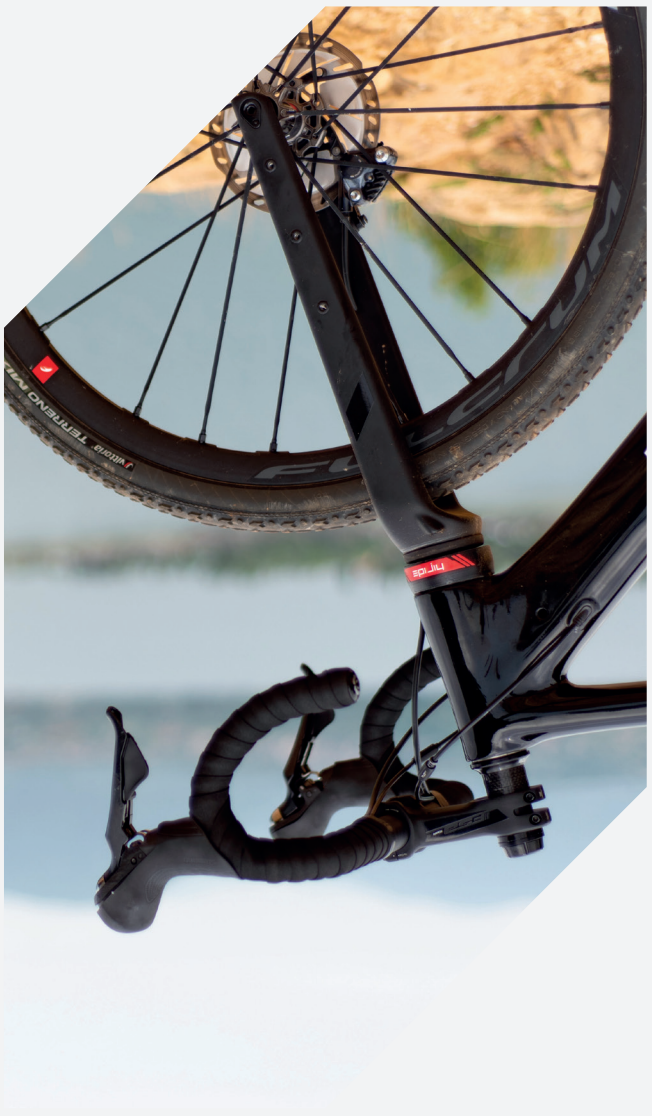


STERRA

USER MANUAL

HiRide



HiRide Suspension S.r.l.
Via San Martino, 12, 20122
Milano, Italy

info@hiride.bike
www.hiride.bike

EN

BEFORE THE RIDE

- Inspect your bicycle and suspension system including the handlebars, pedals, crank arms, seat post, saddle, etc. for any cracks, dents, bent or tarnished parts. Also look for any oil leaking out of your shocks. Be sure to check hidden areas on the underside of your bike. If any condition exists, consult a trained and qualified bicycle mechanic to determine the cause and make any necessary correction.

- If it's your first ride, make the necessary adjustments until you have reached the correct SAG value. Please also see the instruction on our website to choose the correct spring/preload configuration.

- Make sure your brakes are properly installed/adjusted and work correctly.

- Check your headset adjustment. If loose, adjust it according to the product specifications.

- Check the cable length and routing of your components. Make sure they do not interfere with the steer of the bicycle.

- If you are using reflectors for on-road cycling, make sure they are clean and properly installed.

- Check mounting hardware of all components to make sure everything is tightened following the procedure indicated in the relevant manual.

- Bounce your bike on the ground while looking and listening for anything which might be loose and eventually perform additional checks.

- Clean the outside of your fork only with mild soap and water and wipe dry with a soft dry rag. Do not spray water directly into the seal/upper tube junction. Do not use a high-pressure washer on your fork. Do not use any type of bleach or other aggressive product to clean HiRide suspension system.

WARNINGS

Carefully read, understand and follow the instructions provided in this manual. Keep it in a safe place for future reference. If you have any doubts regarding the use or maintenance of any HiRide product, please contact HiRide Suspension srl. Failure to follow these warnings and instructions can result in a breakage and/ or disassembly of components or product malfunction, causing an accident, severe injury, or death.

- All HiRide products must be installed by professional bike mechanics only using dedicated tools. Tightening of small parts and hardware must be done using torque tools in accordance with the declared requirements. Loose screws or screws which have been tightened excessively may result in breakage or disassembly of the components.

- These instructions contain important information about correct installation, service and maintenance of your suspension fork. Common mechanical knowledge may not be sufficient. Your suspension fork should only be installed, serviced and/or maintained by trained and qualified bicycle mechanic with specialized tools.

- HiRide Suspension shall not be claimed responsible for products that have been improperly installed, serviced or maintained.

- Your suspension fork is not intended for jumps, aggressive downhill rides, freeride or dirt jumping. Disregarding these instructions may cause your suspension fork to fail, resulting in an accident, personal injury or death, and will void the warranty.

- In general, carbon forks are subjected to stress and continuous exertion during their life cycle. Prolonged use beyond the indicated life cycle of these products can lead to sudden breakage that may result in serious injury or even death.

- Scratches, cracks, loss of color, loss of stiffness/rigidity, delamination can be signs of the product's deterioration and should be immediately replaced. The expected useful life of a product is related to its maintenance, as well as the intensity and type of use.

- HiRide suspension systems contain fluids under pressure. Never try to open any HiRide suspension system with exception of the procedures indicated in this manual. Pieces can be violently ejected.

- HiRide Suspension forks are designed as a single integrated system. To avoid product malfunction or an accident, only HiRide Suspensions spare parts shall be used. The use of third-party spare parts is forbidden and will also void the warranty of your suspension system.

CAUTIONS

- Know the limits of your skill and experience, and never ride beyond them.

- Read, understand and follow all owner's manuals provided with your bike and with all of its components.

- Always be equipped with proper safety equipment. This includes a properly fitted and fastened helmet. According to your riding style you should use additional safety protection. Make sure your equipment is in perfect condition.

- Even if you had a suspension system in the past, ride carefully and slowly to become accustomed to the feel of your new suspension fork.

- HiRide suspension forks are not equipped with front reflectors for use on public roads. If you intend to use your bicycle on public roads or bicycle paths verify the local regulation in your country.

- If you are using a bicycle rack that requires the front wheel to be removed, carefully insert and remove the dropouts from the bike rack. Do not bend the dropouts! Secure the rear wheel to avoid the front fork bending.

- If the bicycle has fallen off the bicycle rack, have it inspected by a qualified bicycle mechanic before riding it again.

WARRANTY

HiRide Suspension Srl, company based in Via San Martino 12, 20122 Milano, Italy, applies the following limited warranty conditions to all products.

LIMITED TWO (2) YEARS WARRANTY
HiRide Suspension guarantees their damper systems are free from origin defects for the period of two (2) years from date of purchase, according to 99/44/EC decree.

Invoice, documents of transport or receipt are proof of warranty start date, and it's mandatory they are presented to HiRide Suspension for every warranty service required.

In case of a warranty claim, the purchaser can return the product to HiRide Suspension or to an authorized dealer, presenting the requested proof of purchase within the 2-year period of warranty cover, and specifying the nature of the shock absorber failure and warranty claim.

WARRANTY EXCLUSION
This warranty does not cover defects like: crash damage, alterations, neglect, improper use, abuse, incorrect use, improper assembly, improper service, improper fixings, use of non HiRide Suspension spare parts, modifications not allowed unless specifically authorized by HiRide Suspension in written form.

This warranty does not cover parts subject to wear like hydraulic seals, o-ring seals, sliding bushing, oil, dust seals and oil seals.

This warranty will be immediately voided in case of removal or tampering of serial numbers or their identifying marks.

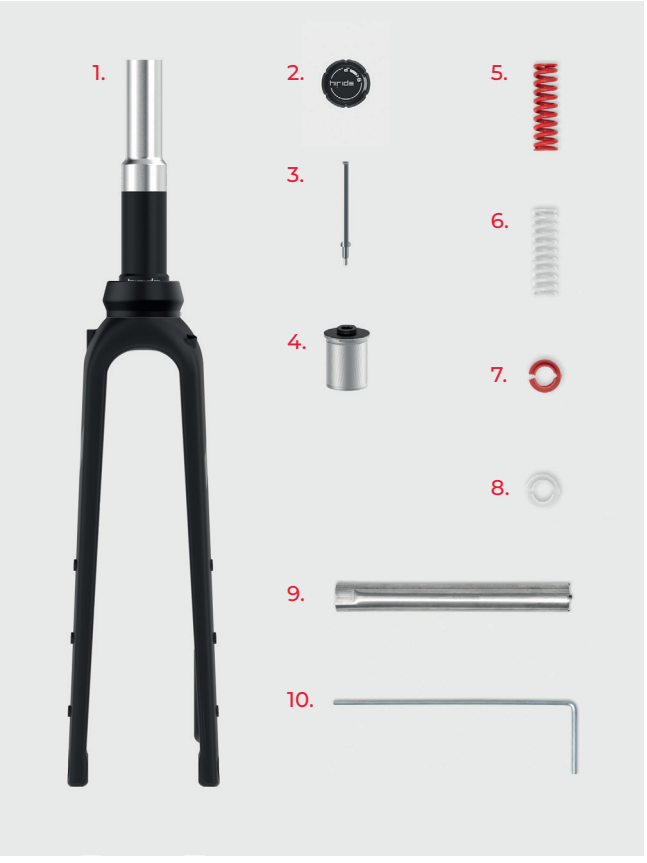
Original HiRide Suspension spare parts have a warranty period of six (6) months.

DAMAGE
HiRide Suspension srl WILL NOT ASSUME RESPONSIBILITY FOR DAMAGES TO PERSONS OR THINGS RESULTING FROM PRODUCT USE.

In some countries this clause is not accepted; this limitation could be not applied to your country.

DISCLAIMER
This warranty contract is the one and only way for customers to raise a claim on product. No HiRide Suspension dealer, agent, distributor or employee can modify, extend or amplify this warranty.

WHAT'S IN THE BOX



1. HiRide Sterra
2. Lock-out knob
3. Lock-out shaft
4. Expander (with headset compressor)
5. Hard spring
6. Soft spring
7. High preload
8. Low preload
9. HiRide tool for spring swap
10. Allen key for spring swap

PREPARATION AND ASSEMBLY

Before preparation and assembly of parts and/or components ensure that the size and diameters are compatible.
Please ensure that there are no flaws, burrs or sharp edges on all parts and components which will be in contact with eachother.

COMPATIBILITY

Please check your head tube dimensions and headset standard before assembly to check the compatibility of your frame with the HiRide Sterra.

Minimum dimensions:
The internal available diameter must be at least **40 mm** and the minimum height must be **105 mm**.

Headset standard:
HiRide Sterra is directly compatible with tapered headset (lower bearing **1 ½" 45°** - upper bearing **1 ¼"**) but can be also compatible with other standards by means of a proper adapter. Please visit our website **www.hiride.bike** to find out more.

BRAKE ASSEMBLY

Only use flat-mount disc brakes with 160-180mm discs.
Please note that HiRide Sterra fork is equipped with internal cable routing for the front brake hose. Assebmly and bleed the braking system according to the system supplier.

WHEEL ASSEMBLY

Compatible wheel size:
650b/700c.

Max tyre width:
54 mm with **650b/ 45 mm** with **700c**.

Be sure to use a **12x100 mm** thru axle and tighten it at the suggested tightening torque (marked on the component).

HUB DYNAMO ASSEMBLY

HiRide Sterra is equipped with a second internal cable routing for hub dynamo assembly.
Follow the hub dynamo provider instructions for correct assembly.

SUSPENSION TUNING

You may want a confy bike or a more performance-oriented bike. With HiRide suspension, your bike can be both.
"Feel" it during your first rides, then look at the configuration table on our website (by scanning the QR code below) which will help you finding the right setup. Then contact your mechanic. She/he can find the instructions about how to customize your bike at the same web address.

MAINTENANCE

The HiRide shock is designed to be minimum-maintenance. Nevertheless, all products need some love. Here are our recommendations:

Every ride	Dust removal
	Shock wash (do not use power washer)
	Visual check
Every 500h of use or 3 years	Hydraulic seals replacement. Please refer to HiRide service network: **www.hiride.bike/service/**
Every 1000h of use or 5 years	Slider components check
	Bushings check

For further information or video tutorials please scan the following QR code or go to **hiride.bike/service/**

FORK STEERER CUTTING (Fig. 1)

Like every bike fork, HiRide Sterra allows for steerer cutting in order to properly customize the steerer height.
Please follow the instructions reported here to properly perform the cutting operation.

Define the required height
Assemble the fork on the bike, using the adaptor if needed, assemble the headset, the stem and the desired number of spacers. Mark on the steerer the level of the last component (spacer or stem) using a marker.

Cut the steerer
Remove the fork from the frame and firmly fix it to a workbench for the cutting operation. In order to let the expander system properly work, cut the steerer **3 mm** less than the marked sign.

In order to have a clean cut and avoid injuries when assembling the fork, please deburr the cut using a file.

Assembly on the bike
Insert the fork in the headtube (using compatibility adapters if needed). Then, insert the upper bearing, compression ring, top cover and complete the setup with the stem and the desired number of spacers.

EXPANDER AND LOCKOUT ASSEMBLY

The HiRide custom expander is designed to allow the assembly of the lockout command. Please follow the instructions reported here to properly perform the expander assembly.

Lockout shaft cutting (Fig. 2)
Insert the lockout shaft in its seat at the center of the shock top cap. Mark the quote of the last component in the headset assembly. Cut the shaft at the marked quote. Polish the cut using a file.

Expander assembly and tightening (Fig. 3)
Insert the expander inside the steerer tube until fully supported. Using an **8 mm Allen key**, tighten the expander to the **tightening torque of 15 Nm**. Hold the outer part in place with a **30 mm wrench**, if necessary.
If the previous operations are correctly performed, the operation will end with the top limit of the steerer **1 mm** below the last spacer. **(Fig. 4)**

Lockout shaft assembly
Next, insert the lockout shaft aligning it with its seat inside the steering tube.

Headset compressor assembly (Fig. 5)
Screw the compressor on the expander body (by tuning it clockwise) using al **8 mm Allen key**. Grease the thread and tighten until clearance disappears inside the headset (**Max 10 Nm**). Remember to tighten the stem screws at the end of the operation.

Lockout knob assembly
Position the knob in line with the compressor, making sure the lower wings of the knob are aligned with the lock-out shaft, and gently press down on the knob until no gap is left between the knob and the headset compressor. Put some grease on the o-ring before assembling the knob. Verify the correct operation by locking and unlocking the suspension.

NB: if the knob is not correctly aligned with the lock-out shaft, there is a risk of damage during insertion. Incorrect installation of the lock-out knob on the headset compressor (i.e. non correct alignment of lower wings with lock-out shaft) may cause damage to the lock-out knob.