



WHYTE
PERFORMANCE BY DESIGN

www.whyte.bike 

MTB Hardtail Range

Kids 20" Trail Hardtail

Kids 24" Trail Hardtail

Youth 26" Trail Hardtail

Sports Hardtail 27.5" & 29"

Trail Hardtail 27.5" & 29"

Trail/Enduro Hardtail 27.5"

Supplementary Service Manual 2020 Edition 1

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1.0: INTRODUCTION

Thanks for choosing to purchase this Whyte product. We hope you will enjoy all the benefits its advanced design and engineering will bring to your riding experience.

This manual will guide you through the basic set-up, safety and maintenance procedures that are specific to your Whyte bike. For other more general information, we strongly advise that you also read thoroughly the General Instruction Manual that is supplied with your new bike.

Please note that the specification of all the components that are fitted to your bike as standard may be obtained from the Whyte Bikes website **www.whyte.bike**

Please remember, if you are in any doubt about your ability to safely service or repair your Whyte bike, do not ride it and instead arrange for a professional bicycle mechanic at your local Whyte dealer to do the job correctly.

Bundled with this manual, or alternatively available on-line, are the respective manufacturers instructions and manuals for the branded parts that are fitted to your Whyte bike. Please take time to study all the relevant instruction manuals to ensure you have a continually safe and well set-up bike before every ride, and to help you build up a relationship of knowledge between you and your Whyte Dealer.

Happy and safe riding,

Whyte design team

2.0: GEOMETRY

The geometry of the hardtail range of Whyte Bikes is available from the Whyte Bikes website **www.whyte.bike**

3.0: PREPARATIONS FOR RIDING

3.1: MAKING ADJUSTMENTS



IMPORTANT SAFETY NOTE: Always stop riding when making adjustments of any kind to the bicycle!

Please refer to the specific component manufacturers manual or published technical information about adjusting the components on your Whyte bike. Instructions may be downloaded from the relevant manufacturer's internet site, as shown in the table below:



CAUTION! If you are uncertain in any way, about making adjustments to any components on you Whyte bike, then **DO NOT RIDE YOUR BIKE**. Contact your Whyte dealer who will be able to advise you on how to go about setting up your Whyte bike for riding, and or making adjustments to the components fitted to your Whyte bike.

DT Swiss	www.dtswiss.com
FSA	www.fullspeedahead.com
Formula	www.formulahubs.com
Fox	www.ridefix.com
Hope	www.hopetech.com
Jalco	www.maddux-wheels.com
KS	www.kssuspension.com
Maxxis	www.maxxis.com
Race Face	www.raceface.com
Shimano	www.shimano.com
SR Suntour	www.srsuntour-cycling.com
SRAM	www.sram.com
Trans - X	www.tranzx.com
VP	www.vpcomponents.com
WTB	www.wtb.com

3.2: WHYTE GETTA-GRIP SEAT CLAMP ADJUSTMENT

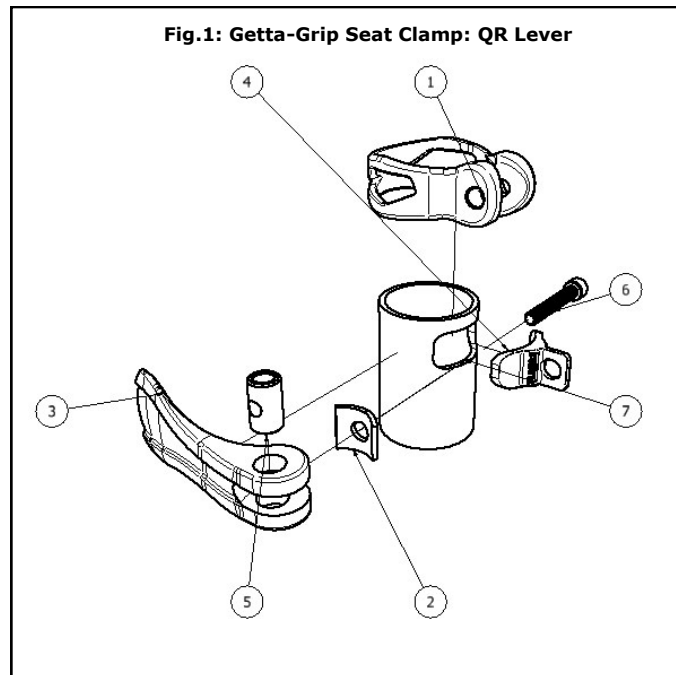
The Getta-Grip seat clamp design is a patented design which allows adjustment of the saddle height by the use of a Quick Release (QR) Lever.

Quick Release Lever Type: Fig.1

Tools: 4mm allen key.

(Note, refer to the seat-pin manufacturers instructions in conjunction with these notes).

Item	Description
1	Whyte Seat Clamp Band
2	Metal Shim
3	Whyte QR Lever
4	T-Pad
5	QR Lever Cam
6	QR M5 Adjuster Bolt
7	Whyte Main Frame



To Adjust the seat height with the QR Lever assembly fitted, simply undo the QR Lever (3) from the Closed position to the Open position. Next adjust the height of the Seat Post to the desired level, and close the QR lever (3) from the Open position to the Closed position. The QR closing force can be adjusted and optimised by turning the QR M5 Adjuster Bolt (6) clockwise or anti-clockwise with the use of a 4mm allen key before closing the QR Lever (3).



CAUTION! When adjusting the saddle height you **MUST** obey the Minimum insertion depth requirement marked on the Seat Post.

3.3: SET UP OF FORK

Tools Required: Good Quality Shock Pump.
Small Ruler

The front suspension fork fitted to your Whyte bike will be pre-set with the standard settings. Before riding, you may need to adjust these settings. First is the Sag setting on the fork. This is to ensure the forks are set-up correctly for your own body weight, so the fork will perform as intended.

To set Sag on the front fork, you need to measure the amount the fork compresses when you sit on the bike in the normal riding position. See the table below for our recommendation of initial front fork sag on your Whyte bike. To achieve this you will need to adjust the air spring pressure inside the fork in the case of an air-spring front fork being fitted.

Fork Travel	Sag (15% - Firm)	Sag (25% - Plush)
100mm	15mm	25mm
120mm	18mm	30mm
130mm	19.5mm	32.5mm

Refer to the specification tables in this manual, and then to the relevant fork manufacturers set-up instructions to find how to adjust the air spring pressure in the fork. Using a shock pump, either add or remove air until Sag is correctly set.

In the case of forks fitted with coil springs, please refer to the specific fork manufacturer's recommended settings and adjustment methods.

Please note that for the detailed instructions for servicing and all matters pertaining to the forks fitted to your Whyte bike, please refer to the manufacturers instructions.

Rebound Damping adjustment:

This adjustment fine-tunes the speed at which the wheel returns to its normal ride height after hitting a bump. Refer to the relevant manufacturers instructions to find out how to adjust the rebound damping. To demonstrate the effect of this function, turn the adjuster to its slowest setting. Press down on the handlebars to compress the forks, then release the load. The suspension recovers very slowly to its original position.

Repeat the above with the adjuster turned to the fastest setting and the difference will be seen immediately the load is released. We recommend the optimum setting is to adjust the re-bounce damping to be as slow as possible, but not so slow that the normal ride height is not recovered. On very rough terrain, if the bike becomes progressively lower as more bumps are hit then the re-bounce damping is set too slow. On the other hand if the bike feels choppy and not plush then the re-bounce damping is too fast. A bit of trial and error is needed to get the exact setting.

3.4: SUSPENSION TUNING LOG

Record your best suspension settings in the table below, to restore them if necessary, eg. after dealer servicing of the suspension or if a friend has borrowed your bike.

Date	Rider Weight (including all riding kit) (kg or lbs)	Fork Pressure (bar or P.S.I)	Fork Rebound Damping (# of clicks from softest setting)	Shock Pressure (bar or P.S.I)	Shock Rebound Damping (# of clicks from softest setting)

4.0: SAFETY



IMPORTANT: The following are intended to be advisory notes on the safe use of your Whyte bike. You should also read thoroughly the General Instruction Manual supplied with your new bike. If at any stage you are uncertain about the safety or safe operation of the bike as a whole, or any specific component, then **DO NOT RIDE YOUR WHYTE** and instead please consult the specific component manufacturers instruction manual or your Whyte Dealer for advice.

Maximum Rider Weight Limit for Whyte Hardtail MTB Series Bikes:

19 Stone/120kg



WARNING: As is the case with all mechanical components, the bicycle is subjected to wear and high stresses. Different materials and components may react to wear and stress fatigue in different ways. If the design life of a component has been exceeded, it may fail suddenly causing possible injury to the rider. Any form of crack, scratches and decolouring in high stress areas are showing that the component has exhausted its life time and has to be replaced. If you are in any doubt about one or more components on your Whyte **DO NOT RIDE YOUR BIKE**. Consult the specific component manufacturers literature, or take your bike to your local Whyte Dealer.

Designed for the following use:

All bicycles in the Whyte Hardtail MTB series' have all been designed, tested and comply with ISO 4210-2 Safety Standard, for typical mountain biking use.

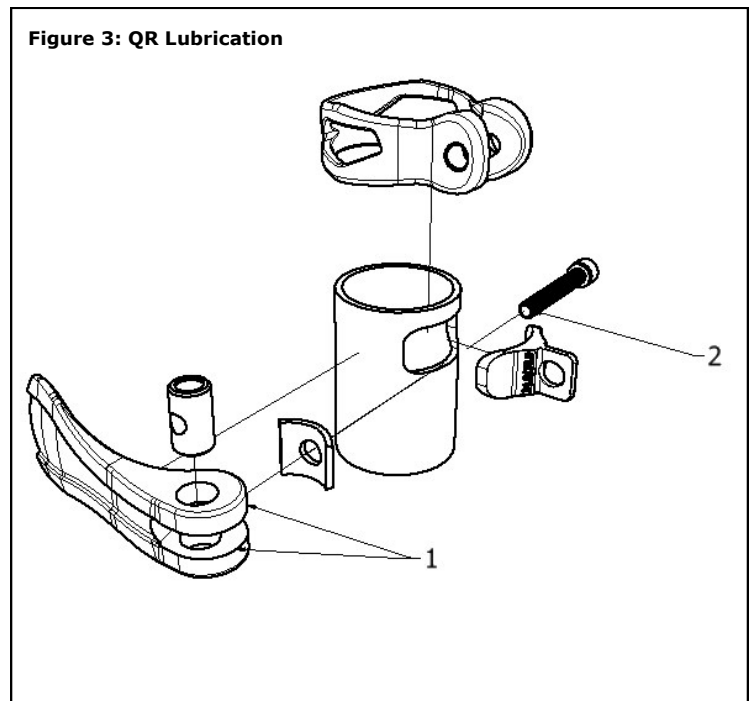
5.0: LUBRICATION

Please refer to the Whyte General Instruction Manual for guidance about lubricating many of the components on your Whyte bicycle.

For the range of bicycles contained in this Supplementary Service Manual, there is also the following specific guidance:

5.1: WHYTE GETTA-GRIP SEAT CLAMP Quick Release Style. Figure 3

Point	Description	Lubricant	Lubrication Interval
1	Lever Cam Surface	Castrol LM or equivalent	After Every Ride
2	M6 Shaft	Castrol LM or equivalent	Once a Month



5.2: GENERAL WHYTE LUBRICATION

For the correct lubrication regime and maintenance of all parts on a Whyte bicycle, please refer to the specific component manufacturers detailed instructions bundled with this manual or for further information visit the specific manufacturers website.

6.0 SERVICING:

6.1 Whyte Getta-Grip Seat Clamp

Reference figure 1 in Section 3.2.

Tools required: 1 off 2mm A/F Allen Key

To disassemble, first release the Quick Release (QR) Lever (3) from the 'Closed' position to the 'Open' position and unscrew the M5 Adjuster Bolt (6) and completely remove it. Whilst retaining the Metal Shim (2) and QR Lever Cam (5) remove the QR assembly whilst holding the T-Pad (4) in place, so that it doesn't fall into the seat tube (7). Remove the Seat Clamp Band (1) from the Seat Tube (7). Remove the T-Pad (4) from the Seat Tube (7). Reassembly is the opposite of the dis-assembly process. Pay attention to the specific lubrication recommendation during the reassembly process. Assemble the T-Pad (4) into the Seat Tube Window (7) whilst taking care not to push the T-Pad (4) into the frame. Slide the Clamp Band (1) over the top of the Seat Tube (7) and over the top of the T-Pad (4) as the T-Pad (4) is located inside the Seat Tube Window (7). Next reassemble the M5 Adjuster Bolt (6) through the Clamp Band (1) and through the T-Pad (4), through the Metal Shim (2). Assemble the QR Lever Cam (5) into the QR lever (3) and then screw the M5 Adjuster Bolt into the QR Lever Cam. The QR Lever (3) can then be moved to the Closed position and adjusted for the correct tightness and clamping force as described in Section 3.2



7.0: TORQUE SETTINGS

Torque explained: If no suitable Torque Wrench is available a Torque of 5 lbf.ft can be obtained by applying a force of 5lb, with a Spring Balance, to the end of a spanner, 1 Foot in length.

IMPORTANT: For all other torque settings, refer to the specific manufacturers information bundled with this manual, or alternatively, refer to the specific manufacturers website for further information.

8.0: OWNER'S NOTES

