



www.whytebikes.co.uk



**C7: Malvern, Malvern Ladies, Caledonian, Caledonian Ladies & Coniston
R7: Portobello, Cambridge, Stirling & Montpellier**

**Supplementary Service Manual
Edition 1: July 2010**

www.whytebikes.co.uk



DESIGNED IN THE U.K.

Table of Contents

1.0 Introduction

2.0 Geometry:

2.1: Whyte Portobello, Cambridge, Stirling & Montpellier

2.2: Whyte Malvern, Caledonian & Coniston

2.3: Whyte Malvern Ladies & Caledonian Ladies

3.0 Preparations for riding:

3.1 Making Adjustments

3.2 Set up of Fork

4.0 Safety

5.0 Lubrication:

5.1 General Whyte C7 & R7 Lubrication

6.0 Torque Settings

7.0 Notes.

WHYTE Service Manual

1.0: INTRODUCTION

Thanks for choosing Whyte. 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 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 also supplied with your new bike.

Also, please note that the specification of all the components that are fitted to your bike as standard may be obtained from the Whyte Bikes Brochure or alternatively from the Whyte Bikes website **www.whytebikes.co.uk**

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.

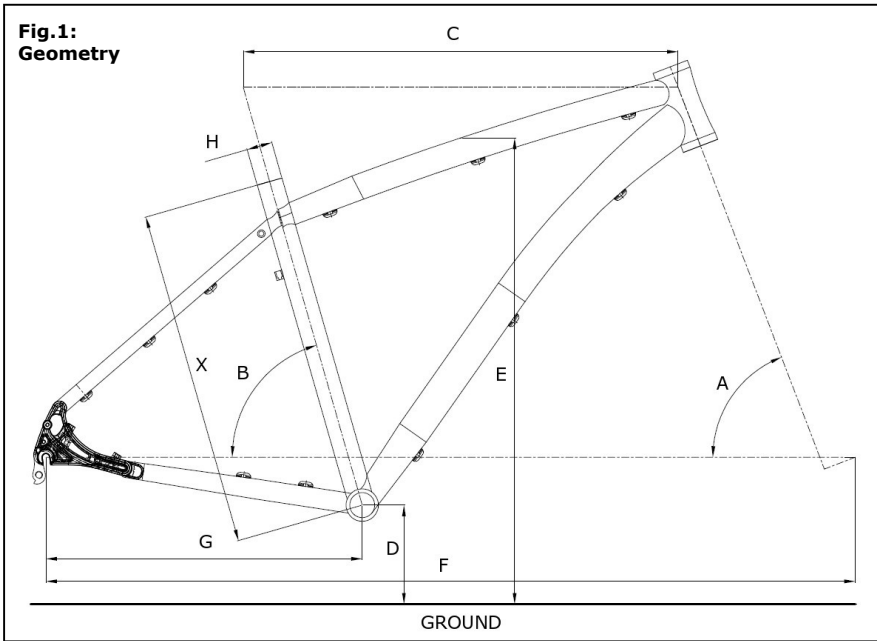
Bundled with this manual, are the respective manufacturers instructions and manuals for the branded parts that are fitted to your Whyte bike. Please take time to study all the relevant instruction manuals to ensure you have a continually safe and well set-up bike before every ride, and to help you build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

Happy and safe riding,

Whyte design team. July 2010.

WHYTE Service Manual

2.2: GEOMETRY



2.2.1: WHYTE Portobello, Cambridge, Stirling & Montpellier

Frame Size	X	Extra Small	Small	Medium	Large	Extra Large
Head Angle	A	69.0°	69.5°	70.0°	70.0°	70.0°
Seat Angle	B	74.5°	74.0°	73.5°	73.0°	73.0°
Top Tube	C	549.7mm	572.3mm	596.4mm	611.1mm	625.1mm
BB Height*	D	271.5mm	271.5mm	271.5mm	271.5mm	271.5mm
Stand Over	E	703mm	717mm	747mm	775mm	805mm
Wheel Base	F	1037.7mm	1052.2mm	1069.1mm	1079.1mm	1094.1mm
Chain Stay	G	420mm	420mm	420mm	420mm	420mm
Seat Post Ø	H	27.2mm	27.2mm	27.2mm	27.2mm	27.2mm

Note: * BB height with Ø683mm tyres fitted (25-622)

WHYTE Service Manual

2.2.2: WHYTE Malvern, Caledonian & Coniston

Frame Size	X	Extra Small	Small	Medium	Large	Extra Large
Head Angle	A	69.0°	69.0°	69.0°	69.0°	69.0°
Seat Angle	B	74.5°	74.0°	73.5°	73.0°	73.0°
Top Tube	C	572.4mm	592.2mm	616.9mm	631.8mm	646.2mm
BB Height*	D	288mm	288mm	288mm	288mm	288mm
Stand Over	E	771mm	784mm	815mm	842mm	864mm
Wheel Base	F	1083.1mm	1100.6mm	1120.5mm	1130.6mm	1145.5mm
Chain Stay	G	425mm	425mm	425mm	425mm	425mm
Seat Post Ø	H	30.9mm	30.9mm	30.9mm	30.9mm	30.9mm

Note:

Geometry shown here is 'Showroom' i.e. without rider aboard the bicycle. 'With Sag' geometry is with rider after correct sag is set at the front. Please refer to suspension set up for information on how to achieve the correct sag of the fork.

*BB height with Ø706mm tyres fitted (35mm / 37-622)

2.2.3: WHYTE Malvern Ladies & Caledonian Ladies

Frame Size	X	Small	Medium	Large
Head Angle	A	68.0°	69.0°	69.0°
Seat Angle	B	74.5°	74.0°	73.5°
Top Tube	C	559.6mm	587.8mm	611.4mm
BB Height*	D	288mm	288mm	288mm
Stand Over	E	720mm	739mm	753mm
Wheel Base	F	1072.8mm	1085.4mm	1105.4mm
Chain Stay	G	435mm	435mm	435mm
Seat Post Ø	H	30.9mm	30.9mm	30.9mm

Note:

Geometry shown here is 'Showroom' i.e. without rider aboard the bicycle. 'With Sag' geometry is with rider after correct sag is set at the front. Please refer to suspension set up for information on how to achieve the correct sag of the fork.

*BB height with Ø706mm tyres fitted (35mm / 37-622)

WHYTE Service Manual

3.0: PREPARATIONS FOR RIDING

3.1: MAKING ADJUSTMENTS

Please refer to the specific component manufacturer's 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 to the right.

If you are uncertain in any way, about making adjustments to any components on your 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 for riding, and or making adjustments to the components fitted to your Whyte.

Alex Rims	www.alexrim.com
CST	www.csttires.com
DT	www.dtswiss.com
FSA	www.fullspeedahead.com
Formula	www.formulahubs.com
Hayes	www.hayesdiscbrake.com
Hope	www.hopetech.com
Maxxis	www.maxxis.com
RST	www.rst.com.tw
Selle Royal	www.selleroyal.com
Shimano	www.shimano.com
SRAM	www.sram.com
SR Suntour	www.srsuntour-cycling.com
TH	www.thindustries.com.tw
Tektro	www.tektro.com
Vittoria	www.vittoria.com
VP	www.vpcomponents.com
WTB	www.wtb.com

3.2: SET UP OF FORK

Tools Required: *Good Quality Shock Pump.*
 Small Ruler

The front fork will be pre-set with the standard settings when you buy your Whyte. Before riding, you will need to adjust 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 a front fork, you need to measure the amount the fork compresses when you sit on the bike in the normal riding position. We recommend for the best performance to run approximately (16%) Sag on the front fork.

Sag on and air sprung fork is controlled by adjusting the Air Spring pressure. We recommend you refer to your fork's owners manual or relevant website for detailed information about your fork set up and performance relating to all controls and features of your fork.

Rebound Damping adjustment:

This adjustment fine-tunes the speed at which the wheel returns to its normal ride height

WHYTE Service Manual

after hitting a bump. To demonstrate the effect of this function, turn the rebound 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. **WARNING.** Only make adjustments to your fork while stationary, and not when riding.

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 also 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 C7 & R7 series':

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 discolouring in highly stressed 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 C7 & R7 series' have all been designed, tested and comply with BS EN 14764 Standard, for typical road or path cycling use. They have not been designed or tested for mountain biking or for use in competition.

5.0: LUBRICATION

5.1: GENERAL WHYTE C7 & R7 LUBRICATION

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

WHYTE Service Manual

6.0: TORQUE SETTINGS

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

7.0: NOTES

WHYTE Service Manual

NOTES (continued)

WHYTE Service Manual

NOTES (continued)



WHYTE
PERFORMANCE BY DESIGN

www.whytebikes.co.uk



DESIGNED IN THE U.K.