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**C7: Malvern, Malvern Ladies, Caledonian, Caledonian Ladies, Chiltern & Coniston  
R7: Portobello, Victoria, Cambridge, Cambridge Varsity Ltd & Stirling  
RC7: Montpellier  
CX: Saxon Cross Team, Saxon Cross, Kings Cross, Charing Cross**

**Supplementary Service Manual  
Edition 3: February 2012**

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DESIGNED IN THE U.K.

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# **WHYTE Service Manual**

## **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 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](http://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.

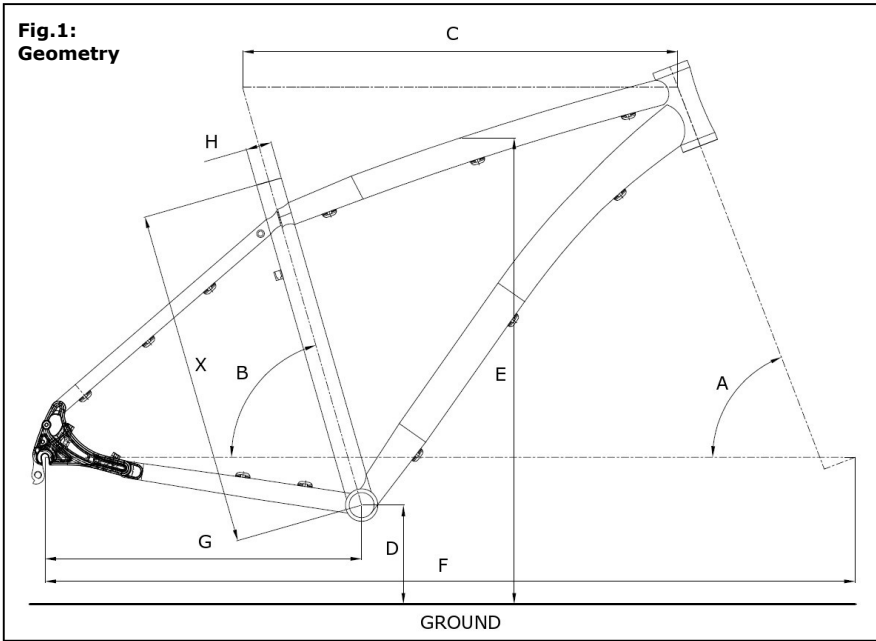
Bundled with this manual, are the respective manufacturers instructions and manuals for the branded parts that are fitted to your Whyte bike. Please take time to study all the relevant instruction manuals to ensure you have a continually safe and well set-up bike before every ride, and to help you build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

Happy and safe riding,

*Whyte design team. February 2012.*

# WHYTE Service Manual

## 2.2: GEOMETRY



### **2.2.1: WHYTE Portobello, Cambridge, Cambridge Varsity & Stirling**

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

Note: \* BB height with Ø683mm tyres fitted (28-622)



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## **2.2.2: WHYTE Victoria**

<b>Frame Size</b>	<b>X</b>	<b>Small</b>	<b>Medium</b>	<b>Large</b>
<b>Head Angle</b>	A	69.0°	69.5°	70.0°
<b>Seat Angle</b>	B	74.5°	73.5°	73.0°
<b>Top Tube</b>	C	549.0mm	573.9mm	599.6mm
<b>BB Height*</b>	D	271.5mm	271.5mm	271.5mm
<b>Stand Over</b>	E	700mm	730mm	760mm
<b>Wheel Base</b>	F	1140.2mm	1052.2mm	1069.1mm
<b>Chain Stay</b>	G	420mm	420mm	420mm
<b>Seat Post Ø</b>	H	27.2mm	27.2mm	27.2mm

Note: \* BB height with Ø683mm tyres fitted (28-622)

## **2.2.3: WHYTE Malvern, Caledonian, Chiltern & Coniston**

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

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### **2.2.4: WHYTE Malvern Ladies & Caledonian Ladies**

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

### **2.2.5: WHYTE Montpellier**

<b>Frame Size</b>	<b>X</b>	<b>Medium</b>	<b>Large</b>	<b>Extra Large</b>
<b>Head Angle</b>	A	70.0°	70.0°	70.0°
<b>Seat Angle</b>	B	73.5°	73.0°	73.0°
<b>Top Tube</b>	C	595.3mm	614.4mm	628.3mm
<b>BB Height*</b>	D	271.5mm	271.5mm	271.5mm
<b>Stand Over</b>	E	744mm	776mm	804mm
<b>Wheel Base</b>	F	1069.1mm	1084.1mm	1099.1mm
<b>Chain Stay</b>	G	420mm	420mm	420mm
<b>Seat Post Ø</b>	H	27.2mm	27.2mm	27.2mm

Note: \* BB height with Ø683mm tyres fitted (28-622)

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### 2.2.6: WHYTE Saxon Cross & Saxon Cross Team

Frame Size	X	53cm	55cm	57cm	59cm
Head Angle	A	69.3°	69.3°	69.3°	69.3°
Seat Angle	B	74.0°	73.5°	72.5°	72.5°
Top Tube	C	557.6mm	584.5mm	599.7mm	604.3mm
BB Height*	D	279mm	279mm	279mm	279mm
Stand Over	E	799mm	813mm	829mm	844mm
Wheel Base	F	1056.9mm	1075.1mm	1080.0mm	1080.0mm
Chain Stay	G	430mm	430mm	435mm	435mm
Seat Post Ø	H	27.2mm	27.2mm	27.2mm	27.2mm

Note: \* BB height with Ø697mm tyres fitted (33-622)

### 2.2.7: WHYTE Kings Cross & Charing Cross

Frame Size	X	53cm	55cm	57cm	59cm
Head Angle	A	69.3°	69.3°	69.3°	69.3°
Seat Angle	B	74.0°	73.5°	73.0°	73.0°
Top Tube	C	554.3mm	578.3mm	597.0mm	617.1mm
BB Height*	D	272mm	272mm	272mm	272mm
Stand Over	E	792mm	806mm	822mm	837mm
Wheel Base	F	1066.3mm	1086.1mm	1106.1mm	1126.1mm
Chain Stay	G	430mm	430mm	435mm	435mm
Seat Post Ø	H	27.2mm	27.2mm	27.2mm	27.2mm

Note: \* BB height with Ø683mm tyres fitted (28-622)





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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 & CX 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.



**CAUTION:** These bikes have disc brakes as standard equipment. It is NOT PERMITTED to convert the braking system to a rim brake type, since the frame has only been tested for disc brake use and also because the wheel rims are not suitable to be used as a braking surface. Making such a modification of components will also void the warranty.

### **Designed for the following use:**

The 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.

The bicycles in the Whyte CX series have all been designed, tested and comply with BS EN 14764 Standard, for typical road or path cycling use. Also for Cyclo-Cross competition (when fitted with appropriate off-road tyres). They have not been designed or tested for mountain biking use.

# **WHYTE Service Manual**

## **5.0: LUBRICATION**

### **5.1: GENERAL WHYTE C7, R7 & CX 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.

## **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**  
PERFORMANCE BY DESIGN

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