www.whytebikes.co.uk

LOCK-ON SKEWERS

Safety & Installation Instructions
Edition 1: February 2012

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.

Please read and follow these instructions carefully. Failure to comply with the warnings and instructions could result in damage to this product that is not covered under warranty. Also possible damage to bicycle; or cause an accident resulting in injury or death.

Please remember, if you are in any doubt about your ability to safely install, service or repair this Whyte component, do not use it and instead arrange for a qualified bicycle mechanic at your local Whyte dealer to do the job correctly. Whyte Bikes assumes no responsibility for damages or injury related to improperly installed components.

Happy and safe riding, *Whyte design team. February 2012.*

WARRANTY

Whyte Bikes warrants all Whyte products to be free from defects in materials or workmanship for a period of two years after original purchase unless otherwise stated in the full warranty policy. The warranty is non-transferable and valid to the original purchaser of the product only. Any attempt to modify the product in any way such as drilling, grinding, and painting will void the warranty. For more information on warranty policy and instructions for completing a warranty claim, check out the Warranty Policy found at our website:

www.whytebikes.com

SPECIFICATION

Item Number / Model Name: All Whyte branded Lock On Skewers.

Whyte branded Lock On Skewers are compatible with industry standard wheel hubs and fork/frame drop-outs that have provision for a 5mm diameter through hole in the axles, a front hub width of 100mm and a rear hub width of 135mm.

SKEWER INSTALLATION

Tools Required: *Special 5mm A/F bit fitted to a 3-15 Nm Torque Wrench.*

1. Before assembling the parts, make sure they are all clean from dirt and have been thoroughly de-greased.

2. Unscrew the nut, see figure 1. Remove it and also the conical spring from the end of the skewer, see figure 2.

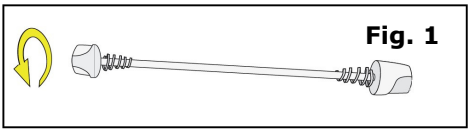
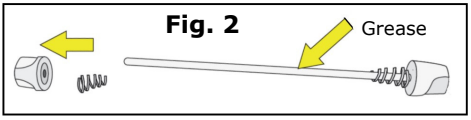


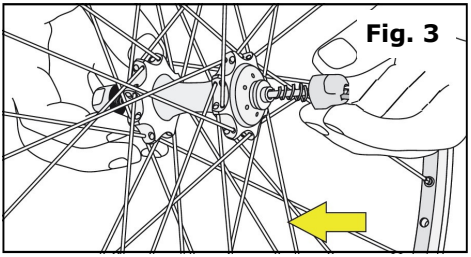
Fig. 1

3. Apply grease to the whole length of the skewer shaft, see figure 2.

4. It is conventional to tighten skewers from the left side of the bike, so insert the main shaft of the skewer into the left side of the hub (alongside the brake disc, if the wheel has one), see figure 3.



5. Place the conical spring onto the end of the skewer shaft, so that the small end of the spring faces towards the hub, see figures 1 & 2. Then screw the nut part-way onto the shaft behind the spring. Note that the recess in the nut should face towards the spring.



6. Insert the wheel into the drop-outs. Make sure the hub is fully seated in the drop-out, see figure 4. Using the special Allen key included with the product, insert this into the end of the skewer shaft. Whilst holding the skewer nut with your other hand, see figure 3, tighten the assembly using the special Allen key such that the wheel is securely held in the drop-outs. Torque tighten to 6.6Nm to 8.0Nm (58 to 71 lbs-in).

7. Avoid over-tightening the skewers, as this could break them and cause injury or death to persons or damage to property. Overtightening is **NOT PERMISSIBLE** since it will compromise the strength of the joint, reducing it's service life and may cause injury or death to persons or damage to property as a result. Check the skewers for slippage before each ride to ensure safe operation.

MAINTENANCE

Regularly remove the skewers, wipe them clean, regrease and then re-install them.

WARNINGS

Riding with an improperly secured wheel can allow the wheel to wobble or fall off the bicycle, which can cause serious injury or death.

Regularly check the wheels to be certain they are fastened securely to the bicycle drop-outs. If the Skewers are not installed correctly, the wheels may become separated from the bicycle drop-outs and result in an accident, personal injury or death.

If you are at all unsure if a wheel is not secured correctly, contact your local Whyte dealer for advice.

If your bike has a disc brake, exercise care in touching the rotor or caliper. Disc rotors have sharp edges, and also both rotor and caliper can get very hot during use.

IMPROPER INSTALLATION MIGHT RESULT IN A LOOSE WHEEL AND THIS COULD CAUSE PERSONAL INJURY OR DEATH.