

2004 WINWOOD LIMITED 2 YEAR WARRANTY

This product is warranted against defects in materials and workmanship only, for 2 years from the original date of retail purchase by the consumer, subject to the limitations detailed below. This warranty is expressly limited to the repair or replacement of the original product, at the option of Winwood, and is the sole remedy of this warranty. This limited warranty applies only to the original purchaser of this product and is not transferable. In no event shall Winwood be liable for loss, inconvenience or damage, whether direct, incidental or otherwise resulting from breach of any express or implied warranty or condition, of merchantability, fitness for a particular purpose, or otherwise with respect to this product except as set forth herein.

This warranty does not cover the following:

- Damage due to improper assembly or follow-up maintenance or lack of skill, competence or experience of user.
- Products that have been modified, neglected, used in competition or for commercial purposes, misused or abused, involved in accidents or anything other than normal use.
- Damage or deterioration to the surface finish, aesthetics or appearance of the product.
- Normal wear and tear.
- Labor required to remove and/or refit and re-adjust the product within the bicycle assembly.

This warranty gives the consumer specific legal rights, and those right and other rights may vary from state to state.

We recommend that you have this product installed and maintained by a professional bicycle mechanic.

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Winwood™ Road Scholar™ Carbon Handlebar

Owner's Manual



Thank you for purchasing our Road Scholar carbon fiber handlebar. Please read this entire instruction sheet before installation of the handlebar. If you do not understand the instructions or lack the skills or tools to perform this installation, do not attempt it. Incorrect installation can cause product failure resulting in injury or death. We highly recommend the installation of the handlebar by a professional bicycle mechanic.

WARNINGS!

Read these instructions carefully and have the bar installed by an experienced, professional bicycle mechanic. A torque wrench is required for installation of this bar.

High-end bicycle components have a maximum life expectancy. A professional bicycle mechanic should regularly inspect all bicycle components, especially steering components. At a minimum, a regularly used handlebar or stem should be replaced every two years.

Before each ride, inspect the Road Scholar for damage which may include nicks, scratches, cracks or soft spots. If you find any problems, have the handlebar inspected by a professional mechanic before you ride again. Any such damage to the bar may cause a product failure resulting in injury or death.

Carbon fiber, by nature, is susceptible to stress risers and abrasions. Inspect and remove any sharp edges or burrs from the stem clamp and brake lever clamps before installation.

Do not use bar end shifters with the Road Scholar handlebar. Do not use clip-on aero bars or other bar extensions on the Road Scholar handlebar.

Do not over tighten any components that are attached to this product, including stem, brake levers, brake/shift levers, and handlebar accessories such as computer mounts, lights, or bells. Over tightening could result in damage to the handlebar. A torque wrench is required for installation of this bar. See specific torque recommendations below.

GENERAL ROAD SCHOLAR HANDLEBAR INFORMATION

The Winwood™ Road Scholar Carbon handlebar features one-piece full-carbon fiber construction with patented anatomically shaped finger and thumb grooves. The handlebar has a 31.8mm diameter stem clamping area. A 31.8mm stem with removable face plate must be used. The brake/shift lever mounting area of the bar accepts levers with standard diameter road clamps (23.8-24.0mm).

A torque wrench is **REQUIRED** for the installation of this handlebar. Modern day bicycle components are designed and manufactured to exacting standards, allowing for light weight, improved style and superior function. With these improvements comes an added responsibility by the end user and/or mechanic to use a torque wrench during installation of the components. Over tightening can result in cracking of the handlebar. A handlebar that has cracked because of an over tightened stem face plate, brake/shift lever, or accessory **IS NOT** considered a warranty. In short, do it right and use a torque wrench!

The Road Scholar handlebar is not compatible with clip-on aero bars or other bar extensions. It is also not compatible with bar end type shifters. The use of any of these products on the handlebar will void the warranty and may cause damage to the handlebar, leading to a failure.

INSTALLATION INSTRUCTIONS

Remove the original handlebar and brake/shift levers from the bike (if necessary).

Clean the clamping area of the stem, face plate, and brake/shift levers. Closely inspect these areas for any burrs or sharp edges. Such imperfections can cause damage to the handlebar. Remove and smooth any imperfections with sandpaper or emery cloth.

Install the handlebar into the stem and mount the face plate. Snug, but do not fully tighten, the face plate bolts. Slide the brake/shift levers onto the bar and tighten mounting bolt just enough to keep lever from slipping. Adjust the angle of the bar and position of the levers to your liking.

Tighten the face plate bolts in an alternating pattern, turning each bolt less than a 1/4 turn at a time. The gap between the face plate and stem body should be equal on top and bottom. Failure to do so could cause handlebar damage or slippage. Using a torque wrench, tighten each face plate bolt to 8 to 10 Nm (70 to 88 in-lbs).

If your stem has a specific stem face plate installation procedure (such as a Salsa SUL or some Ritchey stems) follow the manufacturer's installation procedure, but do not tighten beyond 10 Nm (88 in-lbs) per bolt.

Tighten the brake lever or brake/shift levers to 8 Nm (70in-lbs).

The Road Scholar handlebar has unique integrated cable routing grooves on the underside of the top of the bar. Use new housing and cable if old cables and housing are too short. Route the brake cable housing along the groove on the underside of the bar. If you are using Campagnolo with double routing, first route the brake housing, then secure the shifter housing to the brake housing with small pieces of finishing tape.

When wrapping the handlebar with bar tape, we recommend stopping just above the brake/shift lever but short of the anatomically shaped portion.

Because of the wide shape and anatomical finger and thumb grooves on the Road Scholar, there may not be much space available for mounting handlebar accessories such as computers, headlights, bells, and handlebar bags. Look for accessories that clamp with nylon straps or rubber band-type mounting systems. They will both fit in more areas on the bars, and there is less chance of over tightening. Over tightening could result in cracking of the handlebar.