

Using Bar Ends on Flat Carbon MTB Handlebars

Published – Jul, 2011. ZS134.v1 © Full Speed Ahead

Certain Bar Ends have clamp designs that can damage FSA Carbon MTB Flat Handlebars even if installed with low torque value.

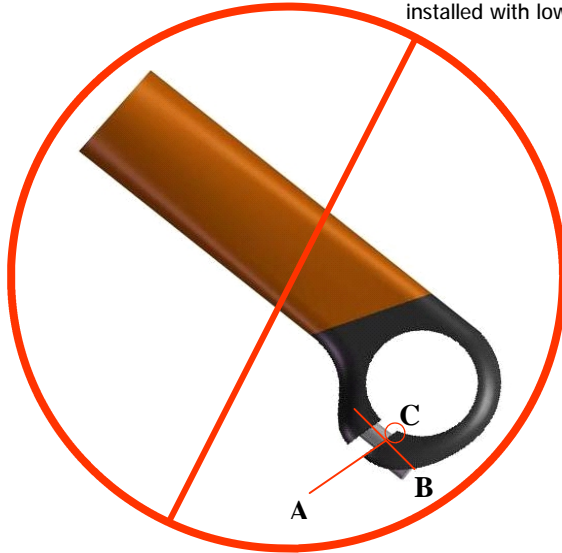


Fig.1 Not allowable Bar Extension Design

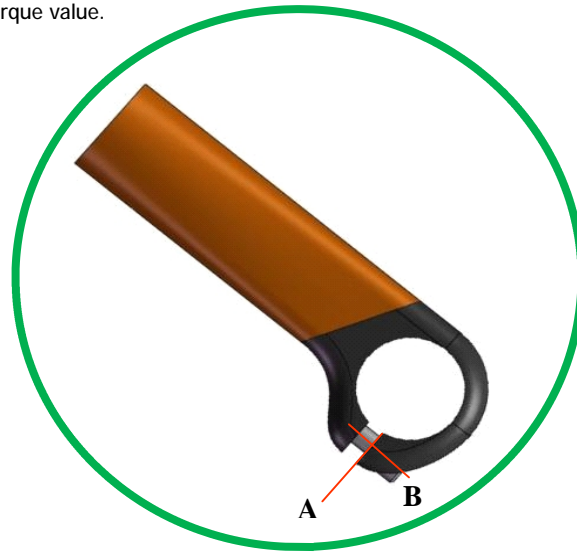


Fig.2 Allowable Bar Extension Design

Handlebar Installation

Figure 1 is an illustration of a bar end that has a clamp that is NOT acceptable for carbon MTB handlebars. The clamp slot (A) angle is NOT 90 degrees (perpendicular) to the clamp bolt (B). When tightened, the point (highlighted by circle (C)) can cut into the FSA K-Force MTB Flat Handlebar and cause damage. Use of this type of clamp design is NOT Allowable with the FSA K-Force MTB Flat Handlebar. Damage due to use of this type of bar extension clamp design is NOT Warrantable.

Figure 2 is an illustration of a bar end that has a clamp that is acceptable for carbon MTB handlebars. The clamp slot (A) is 90 degrees (perpendicular) to the clamp bolt (B). This type of design clamps more evenly around the FSA K-Force MTB Flat Handlebar and is Allowable.

Do not exceed 39 kgf.cm / 3.9 Nm / 34 in.lbs to torque the clamp bolt (B). Use of Carbon Assembly Compound is advised for additional friction between the FSA K-Force Carbon MTB Flat Handlebar and the bar extension. Attention!! Bar extension use is not allowable with a FSA K-Force Carbon MTB Flat Handlebar that has been cut shorter than its original width. Only the ends of the FSA K-Force Carbon MTB Flat Handlebar are reinforced to allow bar extension use. Damage caused by bar extension use on a cut FSA K-Force Carbon MTB Flat Handlebar is NOT warrantable.

Introduction

Congratulations on your Full Speed Ahead product. Please read these instructions and follow them for correct use. Failure to follow the warnings and instructions could result in damage to product not covered under warranty, damage to bicycle; or cause an accident resulting in injury or death. Since specific tools and experience are necessary for proper installation, it is recommended that the product be installed by a qualified bicycle technician. FSA assumes no responsibility for damages or injury related to improperly installed components.

Warranty

Full Speed Ahead (FSA) warrants all FSA, Gravity, Vision, Metropolis and RPM 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 Full Warranty Policy found at our website:

<http://www.fullspeedahead.com/techdoc>

Specification

Item Number / Model Name FSA Carbon MTB Flat Handlebars



Contact

If you have questions, please visit our web site technical section: <http://www.fullspeedahead.com/contact> or contact:

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Notes: Specifications of product may be changed or improved for performance. Please refer to website periodically for technical updates and revised instructions. Printed in Taiwan.

