

# MTB Handlebar Installation Instructions

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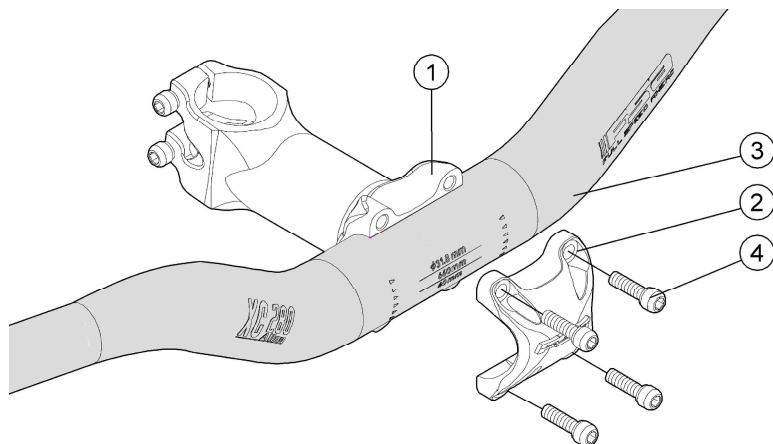


Fig.1

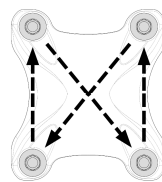


Fig.2

## 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 All FSA MTB, Metropolis, and Gravity Handlebars

## Components

Follow the assembly order in the illustration:

- |                   |                |
|-------------------|----------------|
| ① Stem Body       | ③ Handlebar    |
| ② Stem Face Plate | ④ Fixing Bolts |

## Handlebar installation

1. Be sure that the handlebar clamp diameter is 31.8mm. Ensure that the stem body ① and stem face plate ② is clean and free of burrs or chips. Remove burrs, chip or debris with sand paper before installing handlebar.
2. Apply FSA Dynamic Assembly paste to handlebar clamp area (recommended for carbon handlebars). Insert handlebar ③ between the stem body and stem face plate. Use markings on front of handlebar to center handlebar. Adjust the angle of handlebar to desired position.
3. Tighten the stem face plate fixing bolts ④ to minimum torque necessary to secure handlebar. Do not over-tighten the clamp or damage can occur to handlebar.

**▲ WARNING** Most torque ratings marked on stems are maximum amount before bolt failure, and is NOT an indication of proper torque for the handlebar. Tightening to maximum torque for stem bolts may damage handlebar and cause bar failure resulting in accident causing serious injury or death. Test bar for slippage before riding bicycle. FSA dynamic assembly paste will decrease the amount of necessary torque to secure handlebar, brake, and shift levers.

Note: For Four Bolt stem clamps (pictured in Fig.1), tighten the stem face plate fixing bolts ④ in a diagonal pattern 1/4 to 1/2 turn at a time (Fig.2). For two-bolt stem clamps, alternate between bolts 1/4 to 1/2 turn at a time. Using this method will tighten bolts evenly and reduce chance of damage to bar or stem.

4. Check Brake Lever and Shifter clamp areas for burrs, chips, or sharp edges that may dig into handlebar. Remove burrs, chips, or sharp edges with sandpaper before installing. Install brake lever and shifter onto handlebar. Do NOT use twisting motion. Tighten brake lever and shifter band clamp to minimum torque necessary to secure component. Usually 20-30 kgf.cm / 2-3 Nm / 18-26 in.lbs.

- ▲ WARNING**
- I FSA MTB, Metropolis and Gravity Handlebars are only designed for 31.8mm compatible stem clamps.
  - I Some stems are not compatible with, and will damage carbon handlebars. Check with stem manufacturer for certainty of use with carbon handlebars. Riding with damaged handlebars may cause accident resulting in serious injury or death.
  - I Use FSA Dynamic Assembly Paste between stem, steerer tube, and handlebar to reduce chances of slippage.



## Contact

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

Full Speed Ahead, USA  
12212 Cyrus Way Mukilteo, WA 98275-5702  
Tel: 1\_425\_488\_8653 Fax: 1\_425\_489\_1082

Full Speed Ahead, Europe  
Via Del Lavoro, 56 20874 Busnago, Milan, Italy  
Tel: +39\_039\_688\_5265 Fax: +39\_039\_682\_3336

TH INDUSTRIES / FSA Asia  
NO.6, Wu-gong 8th Rd., Wufeng Dist., Taichung City 41353, Taiwan (R.O.C.)  
Tel: +886\_4\_2331\_9134 Fax: +886\_4\_2331\_9314

