

Easton EC70 Aero Road Handlebar (Model EA8022082)

Easton EC70 Aero Road Handlebar Instruction Manual

Model: EC70 Aero Road Handlebar (EA8022082)

1. INTRODUCTION

This manual provides essential information for the proper installation, use, and maintenance of your Easton EC70 Aero Road Handlebar. Please read this manual thoroughly before installation and retain it for future reference. The Easton EC70 Aero Road Handlebar is designed for road cycling, offering a lightweight carbon construction and an aerodynamic profile for enhanced performance.

2. PRODUCT FEATURES

- **Carbon Construction:** Manufactured from high-quality carbon fiber for optimal strength-to-weight ratio.
- **Aerodynamic Design:** Engineered to reduce drag and improve efficiency during rides.
- **31.8mm Clamp Diameter:** Standard diameter for compatibility with most modern road stems.
- **Integrated Cable Routing:** Designed for internal cable routing to maintain a clean aesthetic and aerodynamic profile.



Figure 2.1: Front view of the Easton EC70 Aero Road Handlebar, highlighting its aerodynamic shape.



Figure 2.2: Side profile of the Easton EC70 Aero Road Handlebar, showing the drop and reach.

3. INSTALLATION GUIDE

Proper installation is crucial for safety and performance. If you are unsure about any step, consult a professional bicycle mechanic.

1. **Prepare the Stem:** Ensure your bicycle stem has a 31.8mm clamp diameter. Clean the stem clamp area thoroughly.

2. **Apply Carbon Assembly Paste:** Apply a thin layer of carbon assembly paste to the handlebar's clamping area and the stem's clamping surface. This increases friction and reduces the required clamping force, minimizing the risk of slippage and damage.
3. **Position the Handlebar:** Carefully place the handlebar into the stem clamp. Adjust the rotation to your preferred riding position.
4. **Tighten Stem Bolts:** Tighten the stem faceplate bolts gradually and evenly in a crisscross pattern. Refer to your stem manufacturer's recommended torque specifications. For carbon components, it is critical not to overtighten. A torque wrench is highly recommended.
5. **Install Shifters/Brake Levers:** Mount your shifters and brake levers onto the handlebar. Adjust their position for comfortable reach and braking. Tighten their clamps according to the component manufacturer's specifications.
6. **Route Cables:** Utilize the internal routing ports on the handlebar for brake and shifter cables. Ensure cables are routed smoothly without kinks or excessive bends.
7. **Wrap Handlebar Tape:** Securely wrap your preferred handlebar tape, starting from the bar ends and working towards the stem.

Warning: Always use a torque wrench when tightening bolts on carbon components to prevent damage and ensure safety. Exceeding recommended torque values can lead to component failure.

4. USAGE GUIDELINES

The Easton EC70 Aero Road Handlebar is designed for optimal performance and comfort in various road cycling conditions. Familiarize yourself with different hand positions to maximize control and reduce fatigue.

- **Tops:** Provides an upright, relaxed position, ideal for climbing or casual riding.
- **Hoods:** A versatile position offering good control and access to brake levers and shifters, suitable for general riding.
- **Drops:** Offers a lower, more aerodynamic position for high-speed riding, descending, and aggressive cornering.

Always ensure your hands are securely gripping the handlebar, especially when braking or navigating challenging terrain.

5. MAINTENANCE

Regular maintenance will prolong the life of your handlebar and ensure safe operation.

- **Regular Cleaning:** Clean the handlebar with mild soap and water. Avoid harsh chemicals or abrasive cleaners that could damage the carbon finish.
- **Inspect for Damage:** Periodically inspect the handlebar for any signs of cracks, dents, or stress marks, especially after any impact or fall. Carbon fiber can be susceptible to impact damage that may not be immediately visible. If any damage is suspected, discontinue use immediately and have it inspected by a professional.
- **Check Bolt Torque:** Regularly check the torque of the stem faceplate bolts and shifter/brake lever clamps. Re-tighten to manufacturer specifications using a torque wrench if necessary.
- **Handlebar Tape:** Replace handlebar tape when it becomes worn or loses its grip to maintain comfort and control.

6. SPECIFICATIONS

Attribute	Value
Brand Name	Easton
Model Name	Easton Road Bar EC70 40CM Aero 31.8 Handlebar
Part Number	EA8022082
UPC	821973270036
Material	Carbon
Item Package Dimensions L x W x H	19.41 x 6.81 x 5.47 inches
Package Weight	0.29 Kilograms
Item Dimensions LxWxH	19 x 6 x 7 inches
Color	Colour (Black)
Suggested Users	unisex-adult
Number of Items	1
Model Year	2014
Style	Road Bar EC70 40CM Aero 31.8
Sport Type	Cycling

7. TROUBLESHOOTING

- **Handlebar Slippage:** If the handlebar slips in the stem, ensure the stem bolts are tightened to the correct torque specifications. Apply carbon assembly paste if not already used.
- **Creaking Noises:** Creaking can often be resolved by disassembling, cleaning, and reassembling the handlebar and stem interface, ensuring proper torque and carbon assembly paste application.
- **Loose Shifters/Brake Levers:** Tighten the shifter/brake lever clamps to their specified torque.
- **Cable Issues:** If shifting or braking feels sluggish, check cable routing for kinks or excessive friction. Ensure cables are properly tensioned and lubricated.

For persistent issues or concerns about structural integrity, consult a qualified bicycle mechanic.

8. WARRANTY INFORMATION

The Easton EC70 Aero Road Handlebar comes with a **Limited Warranty**. For specific details regarding warranty coverage, terms, and conditions, please refer to the official Easton website or contact their customer support directly. Retain your proof of purchase for warranty claims.

9. CUSTOMER SUPPORT

For further assistance, technical questions, or to report any issues, please contact Easton customer support through their official website. You can also visit a certified Easton dealer for professional service and advice.

Easton Official Website: www.eastoncycling.com