



(Fig. 1)

Introduction

Congratulations on your Vision 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 & Vision assumes no responsibility for damages or injury related to improperly installed components.

Warranty

Full Speed Ahead (FSA) warrants all FSA and Vision 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: <https://www.visiontechusa.com/en/support/warranty-policy>

Specification

Model Name/Item Number Team Mini TT Clip-On / HB-RO-a370

⚠ WARNING Aerobar extensions reduce the rider's ability to steer and brake. The Aerobar extensions are intended to be used on closed race courses with minimal hazards such as bumps, sharp corners, steep descents, pedestrians and motor vehicles. Be careful of other cyclists on course while riding in Aerobars.

⚠ WARNING Do not install clip-on extensions on tapered sections of handlebar. Extensions should be installed on handlebars with adequate space on either side of stem for the clamp to tighten straight and securely. Extensions installed on handlebar tapers will not clamp securely and may slip while in use causing rider to lose control of bicycle resulting in accident, injury or death.

⚠ WARNING Do not apply grease between clip-on extension clamps and handlebar. FSA recommends using FSA Dynamic Installation Paste between extension clamps and handlebars to reduce possibility of extension slipping during use and over-tightening of the clamp bolts.

Components

Follow the assembly order in the illustration:

- | | | | |
|-----------------------------|----------------------------|----------------------------|-------------------------|
| ① Handlebar | ⑤ Armrest Plate (L & R) x1 | ⑧ Armrests Bolts M5x12L x4 | ⑪ Armrest Pad Velcro x2 |
| ② Clip-on Clamp (L & R) x1 | ⑥ Armrest nuts x2 | ⑨ Clip-on Clamp ring x2 | ⑫ Armrest Pad x2 |
| ③ Extensions (L & R) x1 | ⑦ Washer x4 | ⑩ Clamp Bolts M5x16L x4 | ⑬ Aero Bridge x1 |
| ④ Extension Bolts M4x12L x4 | | | |

Mini Clip-On bars Installation

⚠ WARNING Check with handlebar manufacturer to be certain it has reinforced area for clip-on extensions. Some alloy and most carbon handlebars are NOT clip-on extension compatible. Installing clip-on extensions on handlebars not compatible or reinforced for extension clamping pressure will cause damage to handlebar that can result in failure of handlebar, accident causing injury or death.

1. Make certain that the Clip-on Clamp (2) and Clip-on Clamp ring (9) inner diameter is compatible with the handlebar.
 2. Install the Extensions (3) on the Clip-on Clamps (2). Do not fully tighten the Extension Bolts (4).
 3. Install Armrest Plate (5) on Clip-on Clamp (2). Adjust the Armrest Plate to desired position and alternately tighten the Armrest Bolts (8) and Washer (7) to Armrest nuts (6). Do NOT exceed 61 kgf.cm / 6 Nm / 53 in.lbs of torque.
- ⚠ WARNING** Use only armrest bolts supplied with Vision Clip-On bars. Use only Vision brand bolts on Vision Mini-Clip on extensions. Using armrest plate bolts not supplied by Vision for the Mini-Clip on extension can cause failure of the threads, armrest plates, and unexpected shifting of the armrest plate causing loss of control of the bicycle resulting in injury or death. Make sure medium strength threadlocker is used on the armrest bolts (8).
4. Apply light grease to clamp bolts (10), apply FSA Dynamic Installation Paste to the clamp rings (9) and mount Clip-on Clamp (2) with Clip-on Clamp ring (9) onto the handlebar (1). Ensure the direction of Clamp ring and Clip-on Clamp (2) matches (Fig.1). **NOTICE** Use FSA Dynamic Installation Paste on Clip-on Clamp ring (9) when installing extensions on either alloy or carbon handlebars (1).
 5. Press the Aero Bridge (13) on to extensions (3). Center clip-on clamps and clamp rings on handlebar. Set to the desired angle and alternately and evenly tighten the clamp Bolts (10). Do not exceed 71 kgf.cm / 7 Nm / 62 in.lbs. Tighten the Extension Bolts (4). Do not exceed 20 kgf.cm / 2 Nm / 18 in.lbs.
 6. Place the Armrest Pads (12) onto the Armrest Pad Velcro (11). Align the Armrest Pad to the Armrest Plate and remove the backing.
 7. Make sure the Armrest Plates are clean. Firmly press the Armrest Pad to the Armrest Plate.

Contact

If you have questions, please visit our web site technical section: <https://www.visiontechusa.com/en/support> or contact:

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