

Components

Follow the assembly order in the illustration:

- ① TriMax Carbon SI Base Bar x1
- ② Extension Width Spacer Bolts x4
- ③ Bottom Cover x2
- ④ Armrest Stack Spacers (20mm) x6 (AM)
- ⑤ Armrest Stack Spacers (10mm) x2 (AM)
- ⑥ Armrest Stack Spacers (5mm) x2 (AM)
- ⑦ Lower Angle Adjustment Bracket x2
- ⑧ Angle Adjustment Grip Nut x2
- ⑨ Upper Angle Adjustment Bracket x2
- ⑩ Bridge x1

Metron TFE size :



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/technology>

⚠ WARNING Always use a calibrated torque wrench to tighten all screws and bolts when assembling and adjusting the vision handlebar to the bicycle. Failure to use a calibrated torque wrench can cause damage to the handlebar making it unsafe to ride and is not covered under warranty. Check bolt and screw torque before each ride to ensure they have not loosened during use.

⚠ WARNING Periodically inspect your Aerboars for any cracks, chips, scratches, and any other visible damage. In the event of an accident do not ride the bicycle until the handlebars have been inspected by an experienced mechanic as the aerobars may be damaged or weakened even if no visible damage is apparent. If there is any visible damage, the aerobars should not be used any further and replaced.

⚠ WARNING When changing the Armrest Stack spacers ④, ⑤, ⑥, use the correct length bolt ② as per the chart show in Table 1. Use only FSA supplied bolts. Failure to use the correct length bolt can result in thread stripping of the base bar, failure of base bar, and armrest pad and can cause serious accident or injury.

Specification

These instructions are for the installation and adjustment of the following Vision Brand components only:

Model Name **TriMax Carbon Si / TFE Pro**

Model Name **TriMax Carbon Si / TFE**

- ⑪ Angle Adjustment Bolt (M7x19mm) x2
- ⑫ Metron TEF Extensions (Left & Right) x2 (Fig.1)
- ⑬ Extension Fixing Bolts (M5x16mm) x4
- ⑭ Metron TFE Extensions Front Plug x2
- ⑮ Metron TFE Extensions Rubber Cover (Left & Right) x2
- ⑯ Metron TFE (Left & Right) x2
- ⑰ Longer Hydration Extension (Left & Right) x2

Metron TFE Pro size :



Fig. 1

Aerobar installation

1. Install TriMax Carbon SI Base Bar ① to stem first by selecting the desired base bar height. The TriMax Carbon Si can have a +/-25mm drop or rise depending on which direction the base bar is placed in the Stem.
 2. Slide TriMax Carbon SI Base Bar ① into Stem. Ensure Base Bar is aligned straight and gradually tighten the stem bolts to the stem manufacturer's recommended torque. Always use a calibrated torque wrench.
 3. Use Angle Adjustment Grip Nut ⑧ and Angle Adjustment Bolt ⑩ to install the Upper Angle Adjustment Bracket ⑨ to the Bridge ⑩. Tighten to torque of 71 kgf.cm / 7 Nm / 62 in.lbs.
 4. Install Metron TEF Extensions ⑫. Tighten Extension Fixing Bolts ⑬ to torque of 41 kgf.cm / 4 Nm / 35 in.lbs.
- ⚠ WARNING** Extension mounting bolts ⑬ must be placed in a fore aft position to ensure proper support of extension on bridge ⑩. (Fig A)
5. Place Lower Angle Adjustment Bracket ⑦ under Upper Angle Adjustment Bracket ⑨ making sure to align the wiring groves. Place the Bottom Cover ③ into the two holes immediately under the Base Bar. Torque Extension Width Spacer Bolts ② to 71 kgf.cm / 7 Nm / 62 in.lbs.
 6. To adjust angle of Metron TEF Extensions ⑫, Use a 5mm hex key loosen two or three full turns all 4 Extension Width Spacer Bolts ② then with a 6mm hex key to loosen the Angle Adjustment Bolt ⑩ until Angle Adjustment Grip Nut ⑧ slides freely. Set to desired angle and tighten Angle Adjustment Bolt ⑩ with Angle Adjustment Grip Nut ⑧ to 71 kgf.cm / 7 Nm / 62 in.lbs. Torque Extension Width Spacer Bolts ② to 71 kgf.cm / 7 Nm / 62 in.lbs.
 7. See Table 1 for Stack Spacers ④, ⑤, ⑥ and bolt configuration to adjust the Metron TEF Extensions ⑫ to the desired height.
 8. Fit Metron TFE Rubber Cover ⑮ to Metron TFE Extensions ⑫, remove the adhesive velcro strips from Metron TFE ⑮ and attach to the top surface of left and right Metron TFE Extensions ⑫.

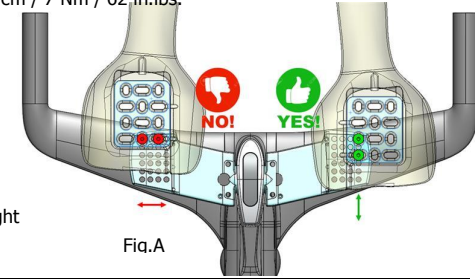


Fig.A

Wiring Installation Tips

1. Brake/electronic wiring should be run through the TriMax Carbon Si Base Bar ① before installing Base Bar ① or Metron TFE Extensions ⑫.
 2. Installation is greatly improved when using a guide cable to gently pull the housing or electronic wires through the base bar from either direction.
 3. If Armrest Stack Spacers ④, ⑤, ⑥, are being used in conjunction with wired electronic shifting on the Lower Angle Adjustment Bracket ⑦, use electrical tape to hold wiring in the guide slots on the spacers.
- ⚠ WARNING** Never attempt to modify the cable guide holes. Do not drill, saw, or file the holes larger or to a different shape. Modifications will void warranty and may result in failure of the handlebar while riding causing accident, injury, or death.

Longer Hydration Extensions installation

Install Longer Hydration Extension ⑰ if needed to use Metron Front Hydration System.

1. Loosen the two Hydration Extension Mounting bolts.
2. Replace current Hydration Extension Mounts with Longer Extension Mount ⑰. Tighten the bolts to 31 kgf.cm / 3 Nm / 27 in.lbs.
3. Install the Longer Hydration Mount ⑰ between the TriMax Carbon SI Base Bar ① and Armrest Stack Spacers ④

Fig.2

Metron TFE Extension Adjustment (Fig.1) (Fig.2)

METRON TFE EXTENSION

SPEC AND ADJUSTABILITY

- 01 Reach : -15mm to -75mm (Center of Base bar to rear edge of armrest - 7.5mm Increments)
- 02 Armrest width : 236mm to 296mm (outside-to-outside - 15mm Increments)
- 03 Armrest rotation : 0 - 13°

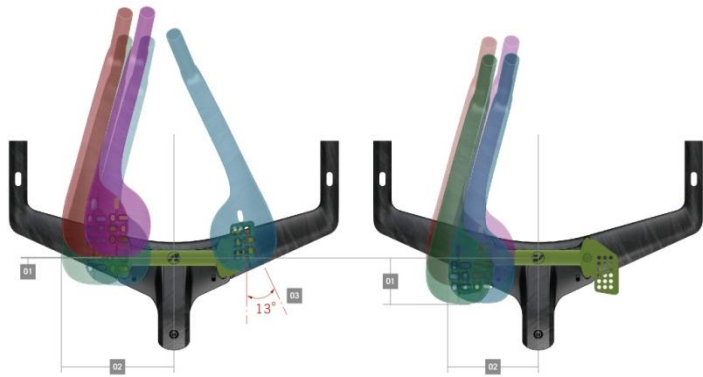


Fig.1

METRON TFE Pro EXTENSION

SPEC AND ADJUSTABILITY

- 01 Reach : -7.5mm to -82.5 mm (Center of Base bar to rear edge of armrest - 7.5mm Increments)
- 02 Armrest width : 210mm to 330mm (outside-to-outside - 15mm Increments)
- 03 Armrest rotation : 0 - 13°

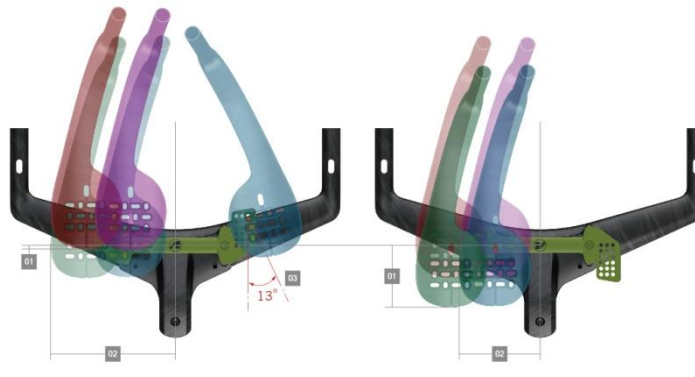


Fig.2

Table 1: Armrest Stack Spacer & Bolt Compatibility

Spacer			Stack Height	Bolt length
5mm	10mm	20mm		
0	0	0	0mm	30mm
1	0	0	5mm	35mm
0	1	0	10mm	40mm
1	1	0	15mm	45mm
0	0	1	20mm	50mm
1	0	1	25mm	55mm
0	1	1	30mm	60mm
1	1	1	35mm	65mm
0	0	2	40mm	70mm
1	0	2	45mm	75mm
0	1	2	50mm	80mm
1	1	2	55mm	85mm
0	0	3	60mm	90mm
1	0	3	65mm	95mm
0	1	3	70mm	100mm