# Head Block System Headset Installation Instructions

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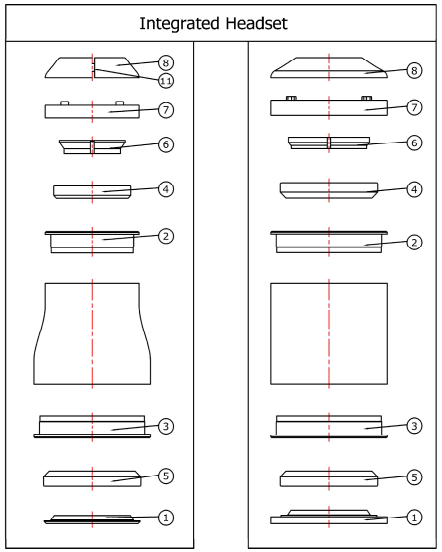


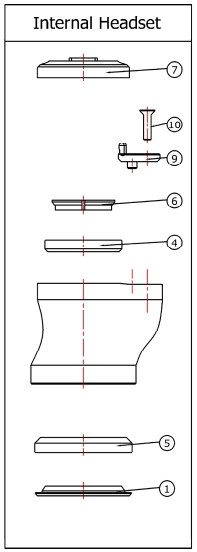


## Introduction

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 & 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 onwarranty policy and instructions for completing a warranty claim, check out the Full Warranty Policy found at our website: https://www.fullspeedahead.com/en/support/warranty-policy

## Specification

Model Name **Head Block System Headsets**

## Components

Follow the assembly order in the illustration:

① Crown Race / Blocked range Crown Race
② Upper Cup / Blocked range Upper cup
③ Lower Cup / Blocked range Lowerr cup
④ Upper Bearing
⑤ Lower Bearing
⑥ Compressing Ring
⑦ Cone Spacer w/Seal
⑧ Top Cap
⑨ Stop Chip
⑩ Stop Chip Fixing Bolt
⑪ Fixing bolt

**NOTICE** Description of numbered parts is comprehensive and for reference only. Headset models vary and may not include all parts listed above.

## Head Block System Headset installation

**NOTICE** All frame & fork mating surfaces must be prepared correctly. Headtube and fork crown should be faced and/or reamed. All surfaces should be clean and free of metal chips, paint, and debris

Mounting the crown race onto the fork steerer：(When possible, always face the crown race seat on the fork with a crown race cutter to ensure the surface is flat and square before installing crown race.)

1. Apply a thin layer of grease to the fork steerer mating surfaces.
2. Press the crown race ① onto the fork steerer using crown race setting tool. Fitment should be flush and evenly seated.

**NOTICE** Refer to crown race setting tool instructions for use. Failure to use tool and any included fittings correctly may result in damage to crown race and headset.

Pressing the cups into the head tube：( Internal models only. For Integrated models, skip to Headset Assembly)

1. Apply a thin layer of grease to the inside surfaces of the head tube.
2. Press the cups ② ③ into the head tube using headset press.Ensure the marked line align with the center of the head tube backwords.

**NOTICE** Follow headset press instructions for use. Failure to use tool correctly may result in damage to poor performance or damage to headset or frame. Pressure should NOT be placed on bearings or bearing races by tool or fittings during installation.

**⚠ CAUTION** If the headset cups are not installed in the headtube squarely, damage to the head tube, headset cups, and bearings may occur. Always face and ream headtube of bicycle to ensure the headset cups are installed square in the frame.

**⚠ CAUTION** After crash or impact inspect top cap ⑧ cone spacer ⑦ stop chip ⑨ stop chip fixing bolt ⑩ for damage.

1. Apply a thin layer of grease to all mating parts.
2. Push the bearings ④,⑤into the cups (internal model) or the head tube bearing seats (integrated models).
3. Press the Blocked range Crown Race ① onto the fork then slide through the head tube. Ensure the marked line align with the center of the head tube backwords.
4. Slide on the Compressing Ring ⑥ onto the steerer and seat against the upper bearing ④.

5-1. Install Cone Spacer w/Seal ⑦ and Top Cap ⑧ upon Compressing Ring ⑥ tight the Fixing bolt ⑪.
5-2. Install Stop Chip ⑨ to bike frame with Stop Chip Fixing Bolt ⑩ then install Cone Spacer w/Seal ⑦ upon Compressing Ring ⑥
5-3. Install Cone Spacer w/Seal ⑦ upon Compressing Ring ⑥

6. Install any headset spacers and the stem.

**NOTICE** Follow Stem manufacturers' instructions for Installation.

7. Install the compression device follow manufacturers' instructions for use.

**⚠ CAUTION** Do not use a star-fangled nut in a carbon steerer; will damage steerer tube. Carbon steerers require the use of a compression device such as the FSA Expander.

8. Adjust the top cap bolt on the compression device assembly until proper bearing preload is achieved. The headset is adjusted properly when the bearings turn freely without any irregular looseness, play or knocking in the bearing during use.

**⚠ CAUTION** Do not over-tighten the top cap bolt. Poor performance or bearing damage may occur.

9. Tighten the stem bolts to manufacturer's specifications.

**Contact**

If you have questions, please visit our web site technical section: https://www.fullspeedahead.com/en/support 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.