# Vision Disc Brake Super Spline PRS Hub Installation Instruction

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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

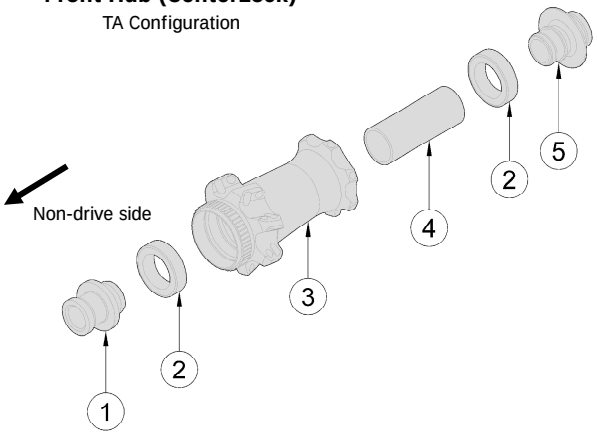
Full Speed Ahead (FSA) warrants all FSA and Vision products to be free from defects in materials or workmanship for a period of two years after original purchase unless otherwise stated in the full warranty policy. The warranty is non-transferable and valid to the original purchaser of the product only. Any attempt to modify the product in any way such as drilling, grinding, and painting will void the warranty. For more information 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

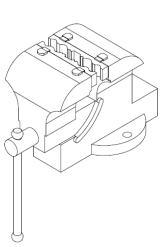
## Specification

Item Number **V-1000、V-800、V-650、V-600 Hub**

### Front Hub (CenterLock)

TA Configuration



Axle and Spindle Vise Inserts & Clamp

Slide Hammer

### Tools required

- Axle and Spindle Vise Inserts (Park Tool AV5) & Clamp
- Slide Hammer

### Components Front Hub

① End Cap (NDS) x1
② Bearings x2
③ Hub Shell x1
④ Hub sleeve x1
⑤ End Cap (DS) x1

## Disassemble Front Hub

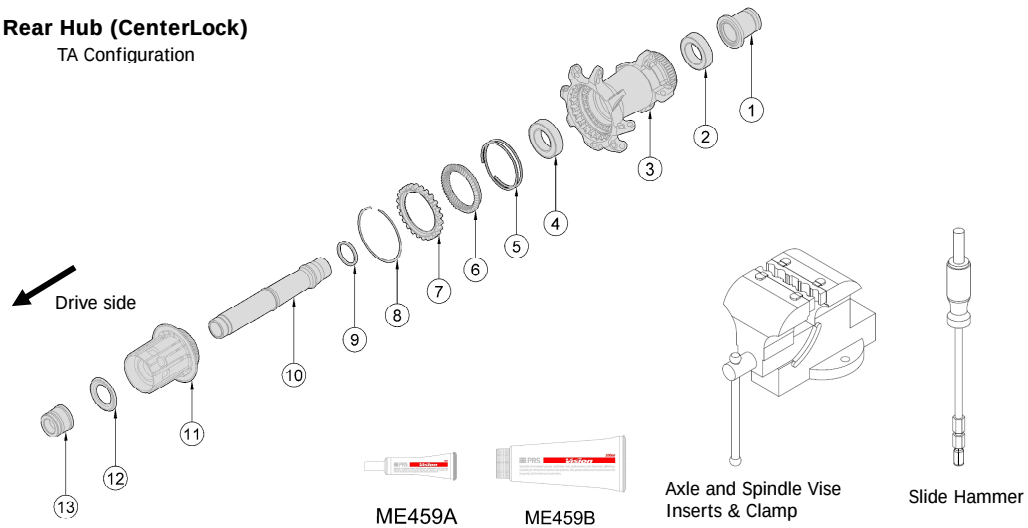
1. Use Park Tool AV-5 with proper diameter to remove End caps ①, ⑤
2. Use Slide hammer to remove bearings ②.

## Assemble Front Hub

1. Use Hub Bearing Press Set (Park Tool HBP-1) select diameter 17mm parts (2264-2 Bushing 2273-2 Pilot), place the replace bearings into hub shell and assemble hub shell, bearings, bushing, pilots and removed bearings (insert to 2273-2 Pilot).
2. Install End Caps ①, ⑤

## Rear Hub (CenterLock)

TA Configuration






ME459A



ME459B



Axle and Spindle Vise Inserts & Clamp



Slide Hammer

### Tools required

- Axle and Spindle Vise Inserts (Park Tool AV5) & Clamp
- Slide Hammer

### Components Rear Hub

① End Cap (NDS) x1
② Bearing x1
③ Hub Shell x1
④ Bearing x1
⑤ Spring x1
⑥ Helical Clutch Ratchet Inner Ring x1
⑦ Helical Clutch Ratchet Outer Ring x1
⑧ C rings x1
⑨ Seal x1
⑩ Axle x1
⑪ Freehub Shell x1
⑫ Seal x1
⑬ End Cap (DS) x1

**NOTICE** U2193、U5193 w/o ⑧.

**NOTICE** Rear hub SMN MS compatible w/o ⑫.

### Disassemble Rear Hub

1. Use Park Tool AV-5 with proper diameter to remove End caps ①, ⑬ and remove Seal ⑫ Freehub Shell ⑪.
2. For service remove C rings ⑧ to clean Helical Clutch Ratchet Inner Ring ⑥ and Outer Ring ⑦.

**NOTICE** The PRS grease (ME459A/B) is recommended for hub maintenance.

- For general use：one year
- For use in extreme environments (rainy, sand and dust)：three months

3. Use a rubber hammer to tap the Axle ⑩ on NDS side to remove the Axle ⑩ and bearing ④.
4. Use slide hammer to remove bearing ②.

### Assemble Rear hub

1. Use Hub Bearing Press Set (Park Tool HBP-1) select diameter 17mm parts ( FSA 2264-2 & 2273-2), place the replaced bearing to FSA parts 2273-2 and place replace bearing ② into hub shell and assemble hub shell ③, bearing ②.
2. Install the Axle ⑩ and bearing ④ by using Hub Bearing Press Set and 17mm parts (FSA 2264-2 & 2273-2).
3. Install Seal ⑨ Spring ⑤, Ratchet inner ring ⑥ and Outer ring ⑦ and C rings ⑧ with the tip toward counter clockwise in order (Fig 1).
4. Install Freehub shell ⑪ to Hub Shell ③.
5. Place Seal ⑫ to Freehub shell ⑪, install End caps ①, ⑬.

( Fig 1)



### Contact

If you have questions, please visit our web site technical section: https://www.visiontechusa.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.