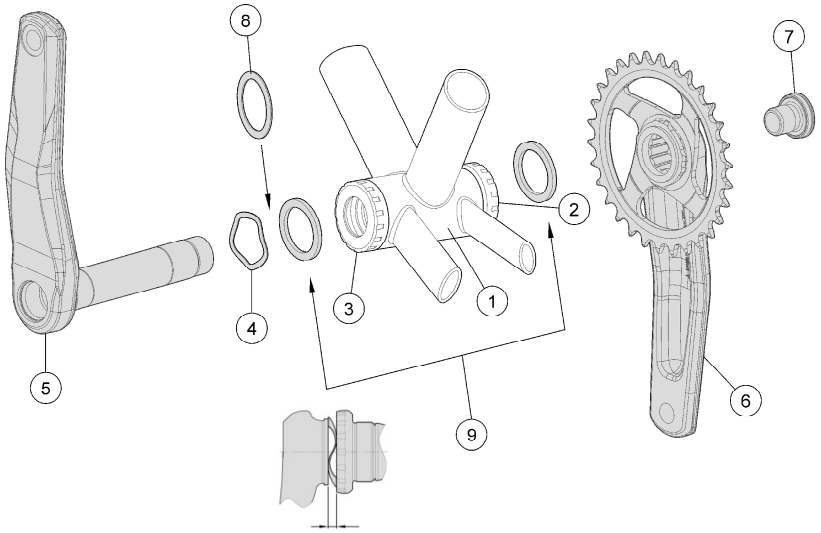
MegaExo MTB Crankset Installation Instructions

Published – Jun, 2023. ZS228. v2 © Full Speed Ahead

WWW.FULLSPEEDAHEAD.COM



Clearance between non-drive arm 1.5 – 2.0mm

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.fullspeedahead.com/en/technology

Specification

Model Name **Comet MTB MegaExo cranksets**
Model Name **Gamma Pro MTB MegaExo cranksets**

Components

Follow the assembly order in the illustration:

① Bottom Bracket Shell x1
② Bearing Cup Right x1
③ Bearing Cup Left x1
④ Wave Spring Washer x1
⑤ Left crank w/spindle x1
⑥ Crank (Drive side) x1
⑦ Self-extracting Crank Bolt Assembly x1
⑧ 0.5mm spacers x1
⑨ 2.5mm spacers MW112 x2

Crankset Installation

1. This instruction refers to installing the FSA MTB MegaExo Crankset into a compatible frame. For BB installation refer to BB instruction to ensure crankset and bottom bracket compatibility before proceeding.
2. Install the 2.5mm spacers ⑨ as Table1 and Wave Washer ④ onto the Spindle ⑤. Lightly grease the spindle bearing contact surface and insert from Left Bearing Cup ③.

⚠ CAUTION Take care not to damage plastic bearing covers during installation.

3. Install the Right Crank ⑥ onto the Spindle ⑤. Use 8mm hex wrench to tighten the QR Self Extracting Crank Bolt ⑦ to 388-418 kgf.cm / 38-41 Nm / 336-363 in.lbs.

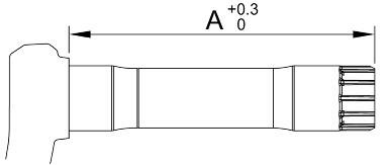
⚠ CAUTION Do not completely flatten the wave spring washer ④. The gap between left crank arm and left bearing cup should be 1.5 - 2.0mm. If the gap is not within 1.5 - 2.0mm after applying correct torque, DO NOT tighten the crank bolt further. Recheck installation procedure and order of assembled parts. Ensure correct torque is used.

⚠ CAUTION If the crank experiences lateral play after assembly, please add 1 pieces of 0.5mm spacer ⑧. After adding the spacer, it is important to note that the wave washer ④ cannot be flattened and retain its wave form. A gap between 1.5 - 2.0mm should remain intact.

⚠ CAUTION For service to disassemble the cranksets, loosen the self extracting bolt Crank Bolt ⑦ by 8mm hex wrench to remove right crank ⑥.

Table 1: Spindle ⑤ dimension A、2.5mm spacers ⑨

Model Name	Q-Factor	Spindle	A	2.5mm spacers ⑨
Comet	172	A3189	116mm	-
	177	A3196	121mm	x2
Gamma Pro	172	A3189	116mm	x2



Contact

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

Full Speed Ahead, USA
12212 Cyrus Way Mukilteo, WA 98275-5702
Tel: 1_425_488_8653 Fax: 1_425_489_1082

Full Speed Ahead, Europe
Via Del Lavoro, 56 20874 Busnago, Milan, Italy
Tel: +39_039_688_5265 Fax: +39_039_682_3336

TH INDUSTRIES / FSA Asia
NO.6, Wu-gong 8th Rd., Wufeng Dist., Taichung City 41353, Taiwan（R.O.C.）
Tel: +886_4_2331_9134 Fax: +886_4_2331_9314

Notes: Specifications of product may be changed or improved for performance. Please refer to website periodically for technical updates and revised instructions. Printed in Taiwan.