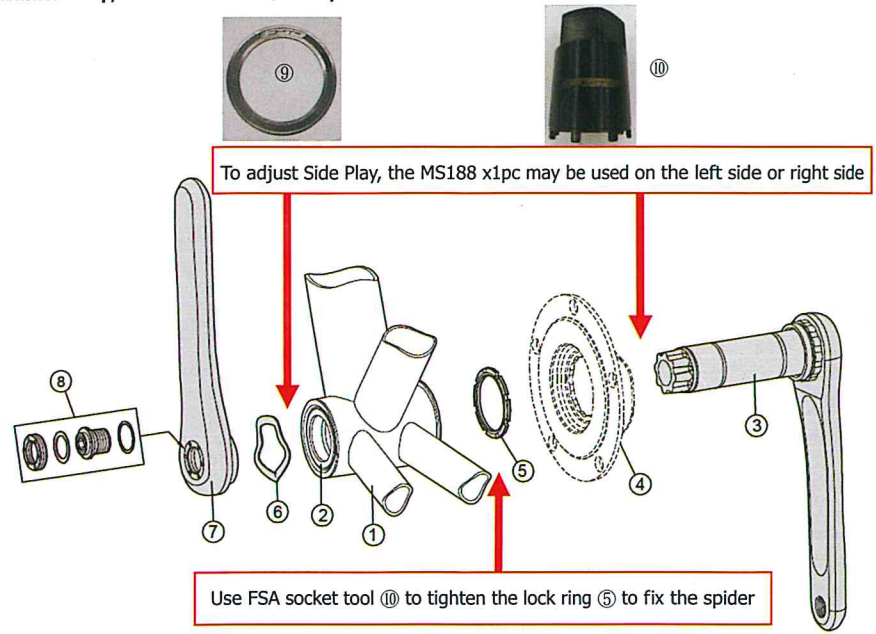




BB30 Road Powermeter Crankset Installation Instructions

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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, Gravity, Vision, Metropolis and RPM 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: <http://www.fullspeedahead.com/techdoc>

Specification

Item Number / Model Name **K-Force Light BB-PF30** Crank arms only
 Item Number / Model Name **Gossamer BB-PF30** Crank arms only

Components

Follow the assembly order in the illustration:

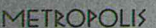
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|---|---------------------------------------|
| ① Bottom Bracket Shell | ⑧ Self-extracting Crank Bolt Assembly |
| ② PF30 Bottom bracket (already installed) | Washer x1 |
| ③ Right crank x1 | M18 BB30 Crank Bolt x1 |
| ④ Spider x1 (not included) | Washer x1 |
| ⑤ Lock ring x1 | M25 Retaining Nut x1 |
| ⑥ Wave Spring Washer x1 | ⑨ MS188 Adjustable Spacer x1 |
| ⑦ Left crank x1 | ⑩ FSA Socket tool |

Crankset Installation

- Place spider ④ over the drive side crank spline. Use FSA socket tool ⑩ to tighten the lock ring ⑤ to a torque 400-500 kgf.cm / 40-50 Nm / 355-445 in.lbs. Always use a calibrated torque wrench to tighten the lock ring. Stripping or breakage due to installing without a torque wrench is NOT covered under manufacturing warranty. Tip: Ensure spider is pressed completely and there is no gap in interface with crank arm.
 - Insert the drive side crank through BB shell.
 - Install wave spring washer ⑥ over spindle on left side of BB Shell. **⚠ CAUTION** Do Not completely flatten the wave spring washer ⑥. Clearance between non-drive arm and Bottom bracket is 1.5 ~ 2.0mm. If the clearance 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.
- Note: Always use a calibrated torque wrench to tighten crankbolt. Stripping or breakage due to installing without a torque wrench is NOT covered under manufacturing warranty.
- Note: Adjustable Spacer ⑨ are for adjusting spindle movement side to side in the bottom bracket; referred to as "Side Play". If at proper torque there is still side play and the wave spring washer is not compressed at all, the spacers may be used.
- Note: If BB shell is eccentric, spindle will not go through the left and right bearings or the bearing will not rotate smoothly after installation. If bearings feel tight or do not roll smooth after spindle is installed, it may be necessary to remove and reinstall the bottom bracket so the bearings are in alignment.
- Self-extracting crank bolt assembly ⑧ is pre-installed from factory. Install the left crank by engaging the spindle hole of crank to spindle. Thread self-extracting crank bolt into spindle using a torque wrench and 10mm Allen key. Tighten M18 crank bolt to a torque of 380-410 kgf.cm / 38-41 Nm / 337-363 in.lbs. Always use a calibrated torque wrench to tighten crankbolt. Stripping or breakage due to installing without a torque wrench is NOT covered under manufacturing warranty.
- Note: After install one Adjustable Spacer ⑨, if there is "Side Play", please contact FSA dealers.

Contact

If you have questions, please visit our web site technical section: <http://www.fullspeedahead.com/contact> 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.