Press Fit 41 EVO Bottom Bracket Installation Instructions

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Introduction

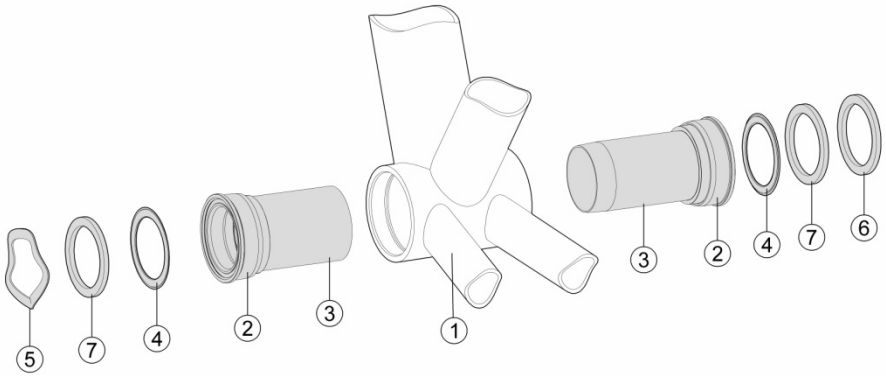
Congratulations on your Full Speed Ahead product. Please read these instructions and follow them for correct use. Failure to follow the warnings and instructions could result in damage to product not covered under warranty, damage to bicycle; or cause an accident resulting in injury or death. Since specific 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 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/support/warranty-policy

Specification

Model Name / Item Number	**BB86/386 EVO Adapter**	**/ EL230**	Fits BB86 bottom bracket shells to FSA Road 386 EVO cranksets	(spindle with identification marking BB86/30 Compatible)
Model Name / Item Number	**MTB BB392 MegaEVO**	**/ EL237**	Fits BB92 bottom bracket shells with FSA MTB 392 EVO cranksets	(spindle with identification marking BB92/30 Compatible)
Model Name / Item Number	**MTB MegaEVO**	**/ EL247**	Fits Trek 89.5 bottom bracket shells with FSA MTB 392 EVO cranksets	(spindle with identification marking BB92/30 Compatible)



Components

Follow the assembly order in the illustration:

① Bottom Bracket Shell
② EL230 x2
③ Sleeve x1
④ Bearing Shield x2
⑤ Wave Spring Washer x1
⑥ MW114 Spacer x1
⑦ MW429 spacer 2mm x2

Item No.	Spacers		Use		BB Shell Width
	⑥ MW114	⑦ MW429	Non-drive side	Drive side	
EL230	0	0	0	0	86mm
EL237	0	2	⑦ MW429 x1	⑦ MW429 x1	92mm
EL247	1	2	⑦ MW429 x1	⑦ MW429 x1 + ⑥ MW114 x1	89.5mm

Tools necessary for Adapter Assembly

(1)- EE037 BB30 Bearing Installation Press
(2)- Open wrench
(3)- Torque wrench

BB Shell Specification

1. Ensure BB Shell width 86.5mm, ID Ø41mm for installation **EL230**.
2. Ensure BB Shell width 92mm or 89.5mm,ID Ø41mm for installation **EL237 or EL247**.
3. Before installing Bottom Bracket, ensure that Bottom Bracket (BB) shell is clean and free of metal chips, dirt and excess paint.

Installation

1. Apply a layer of grease on the surface of the bearing seat.

2. Install bottom bracket using BB30 Bearing Installation Pres (1) and open wrench (2). Press the EL230 ② one at a time into BB shell until they seat flush against the frame.

3. Apply a layer of grease on the outer edge of the EL230 ② and BB shell to reduce friction between bearing and bearing shield, as well as improve protection from water and other contaminants.

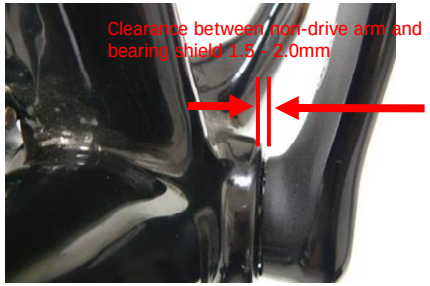
4. Install the Bearing Shield ④ on the right bearing with print facing out.

5. Insert the right crank arm and spindle completely through bottom bracket. Install bearing shield ④ over left bearings with print facing out. Apply grease to the spindle splines.

Note: Use ⑥ MW114 x1 for 89.5mm bb shell.

6. For Road, install wave spring washer ⑤ on the spindle.

For MTB, first, install MW429 ⑦ spacer on spindle. Second, install wave spring washer ⑤ on the spindle.



⚠ WARNING Do not tighten crank bolt over 418 kgf.cm / 41 Nm / 363 in.lbs. Do not completely flatten the wave spring washer. Clearance between non-drive arm and Bearing Shield should be 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.

Re-check installation procedure and order of assembled parts. Ensure correct torque is used.
Note: To disassemble the left crank, use a torque wrench turn the crank bolt counter-clockwise, do not remove the Retaining Nut.

(Note : Follow the crankset installation instruction provided with crankset.)

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. Printed in Taiwan.