BB-PF30 Shell ID Go/No Go and Bearing Alignment Gauge 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, 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 **E0382 / BB-PF30 Shell ID Go/No Go Gauge**
Item Number / Model Name **EE106 / BB-PF30 Bearing Alignment Gauge**



BB PF30 Shell ID Go/No Go Gauge

The GO/NG gauge is used to quickly check the diameter of BB-PF30 shell.
BB-PF30 shell ID: Ø $46^{+0}_{-0.05}$

The Go/No Go Gauge is two-sided.
A. The GO side has a outer diameter (OD) of Ø 45.945mm.
B. The No Go (NG) side has an outer diameter (OD) of Ø 46.005mm.



Inspection

1. Ensure the BB shell surfaces and the Go/No Go gauge inspection surfaces are clean and free of debris.
2. Insert GO end of gauge into the right and left BB shell openings. If gauge does not fully insert into either end of BB shell, this indicates the BB shell has an undersized ID and cannot be used until reamed to proper diameter. If the GO end of gauge fits within BB shell, proceed to check with the NG end of the gauge.



Inspection (continued)

1. Ensure the BB shell surfaces and the Go/No Go gauge inspection surfaces are clean and free of debris.
2. Insert NG end of gauge into the right and left BB shell openings. If gauge fully inserts into either end of BB shell, this indicates the BB shell has an oversized ID and cannot be used. Installing bearings into BB shells with oversized ID will result in poor bearing performance, creaking, and potential bearing failure.

Note: The GO/NG gauge is used to quickly check the diameter of PF30 BB shell. It is not a tool to ensure the PF30 BB shell is true round. If a crankset and bottom bracket are installed in a PF30 BB shell that is not true round (oval shape), noises such as creaking, and/or bearing damage may develop after short use.



EE106 BB-PF30 Bearing Alignment Gauge

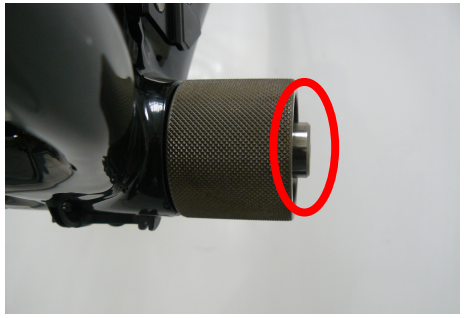
The gauge is used to check that the surface where the PF30 bearing cups press in are in alignment with each other. If the PF30 bearings are not able to be installed in alignment with each other, the bearings may bind and prematurely fail after crankset installation.



Inspection

1. Check BB shell and remove any excess paint, metal chips, dirt or debris.
2. Insert shaft with handle into right or left BB shell opening. Slide the opposing side of the gauge onto the shaft moving each inspection surface into the right and left openings of the BB shell.
3. Gently press the gauge into the BB shell until it is completely inserted.

The gauge will fit tightly into the BB shell. Do not use a hammer or any pounding motion to insert the gauge into the frame!



If the BB shell is not in alignment it will be impossible to install the alignment gauge.
Note: The tolerance of BB shell eccentric is ±0.02mm.

Contact

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