M24 PRESS-FIT BB86 RD / BB90 MTN / BB92 MTN

For Praxis M24 Road or MTN Cranks and SRAM GXP™ Cranks

SAFETY INFORMATION - READ BEFORE RIDE

Since specific tools and experience are necessary for proper installation, it is recommended that the product be installed by a qualified bicycle technician.

Read the service instructions of your crank carefully prior to installing the parts. Loose, worn or damaged parts may cause riding problems and serious injury may occur as a result. If installation and adjustments are not carried out correctly, the chain may come off and this may cause you to fall off the bicycle which could result in serious injury.
Read these instructions carefully, and keep them for later use.

- Ensure that your PF frame shell is clean and free of debris.
- Before riding the bicycle, check that there is no play or looseness in the bottom bracket connection. Also, be sure to retighten the crank arms and pedals at periodic intervals.
- If you feel any looseness or 'play' in the bearings, the bottom bracket should be inspected/replaced.
- Be sure to read the instructions for your front chainrings/crank in conjunction with these service instructions.
- **Do not wash the bottom bracket with high-pressure jets of water.**
- For maximum performance it is required to remove and periodically inspect/clean your Praxis Works bottom bracket.
- **Parts are not guaranteed against natural wear or deterioration resulting from normal use.**
- For any questions regarding methods of installation, adjustment, maintenance or operation, please contact a professional bicycle dealer or call Praxis Works.
- Praxis Works assumes no responsibility for damages or injury related to improperly installed components.

READ THE STEP BY STEP INSTRUCTIONS PROVIDED ON THE OTHER SIDE.

WARRANTY

- Praxis Works Bottom Bracket products are warrantied to be free from defects in materials or workmanship for two years after original purchase. 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 or painting will void the warranty.
- This warranty is not valid for "abused" or neglected products, or products that are damaged by improper installation.
- If a defect is found, our entire liability and your sole remedy shall be, at our option, free repair or replacement of the Praxis product.
- Except as expressly required by law, Praxis Works shall not be held liable for any indirect, special, or consequential damages.

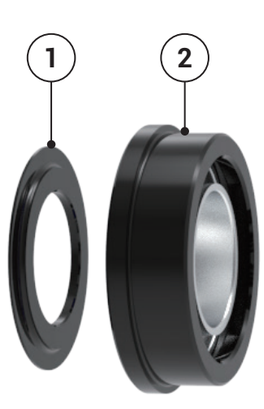
THIS WRITTEN EXPRESS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, IMPLIED OR EXPRESSED. This warranty gives you specific legal rights, and you may also have other rights which vary state to state. **For more information on warranty policy and instructions for completing a warranty claim, check out the Full Warranty Policy found at our website. www.praxis-works.com**

Note: specifications are subject to change without notice. ©MAY 2026 by Praxis Works, LLC

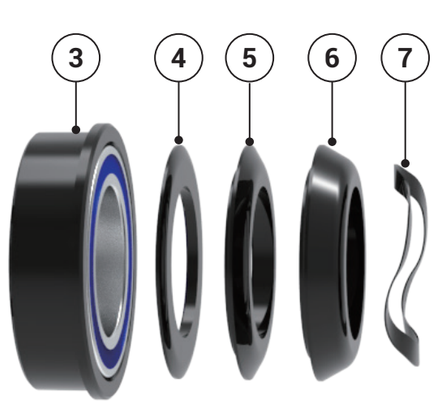
Rev G

M24 BB86/90/92 Compatibility and Spec	
CRANKSET	Compatible with Praxis M24 Based Cranks and SRAM GXP™ cranksets **BB86 for ROAD Cranks only - BB90/92 for MTB Cranks only**
FRAME SHELL	BB86 ROAD Frames BB90/92 MTB Frames - **41mm Diameter Frame Shell**
FRONT DERAILLEUR	Braze-on, Clamp-on

Include Parts		
Number	**Part**	**Qty**
1	22mm ID X 1.7mm Dust Cover	1
2	LEFT/NON-DRIVE | 22mm I.D PF Bearing	1
3	RIGHT/DRIVE | 24mm I.D PF Bearing	1
4	24mm ID X 2mm Dust Cover	1
5	24mm ID X 3.7mm Dust Cover	1
6	24mm ID X 6.8mm Dust Cover	1
7	Wave Washer	1



LEFT/NON-DRIVE
22mm



RIGHT/DRIVE
24mm

Praxis Works, LLC 207 MCPHERSON ST. SUITE E. SANTA CRUZ, CA 95060 www.praxis-works.com

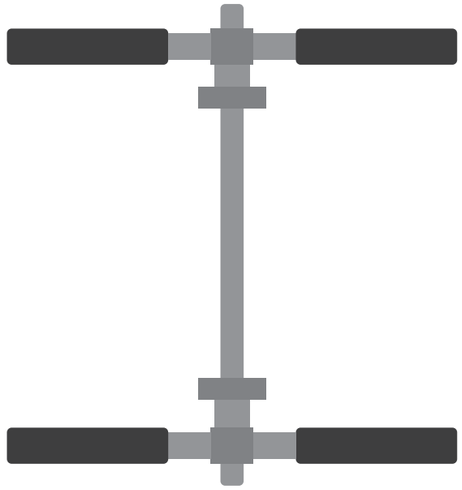
TOOLS REQUIRED

Tools Needed

1. Loctite 609 (Metal BB shell)
2. Loctite Superflex Clear RTV (Carbon BB Shell)
3. Bearing Press Tool
4. Park Tool BBT-30.4 Bearing Remover
5. Hammer

1

2



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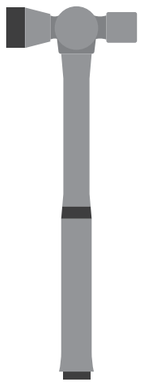

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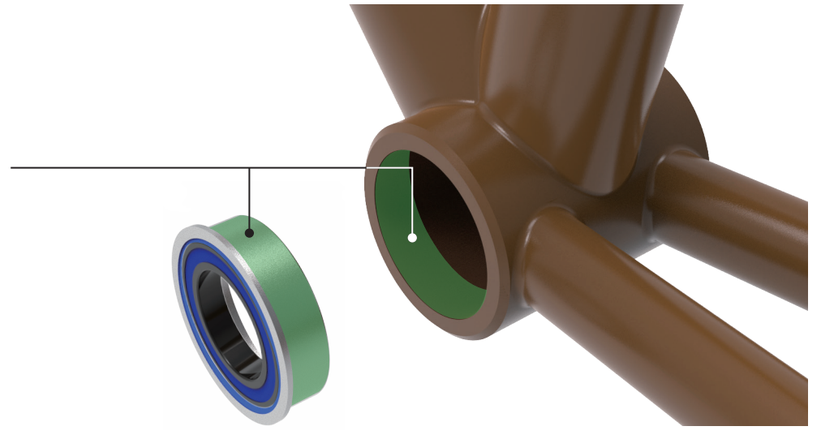
FRAME & BEARING PREPARATION

METAL BB SHELL

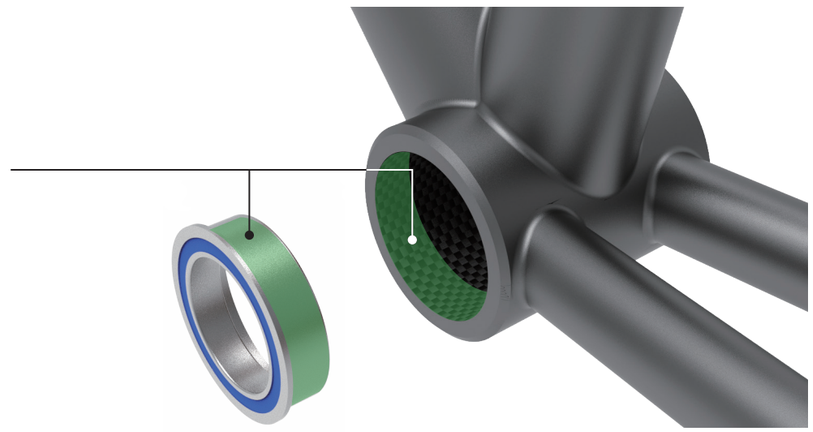
1. Clean the metal BB shell with solvent to remove any grease
2. Use **Loctite 609, 603, or 638** retaining compound
3. Spread a thin coat of retaining compound around the metal BB shell and on the outer bearing race



1 Loctite 609 (Metal BB Shells)

CARBON BB SHELL

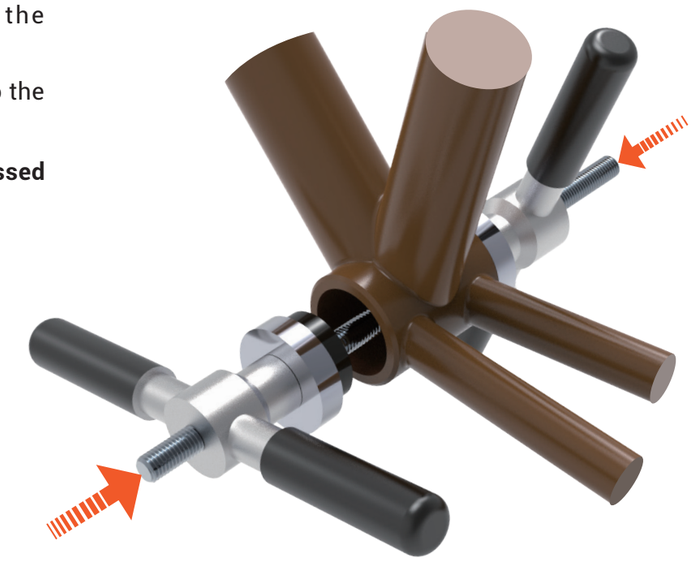
1. Clean the carbon BB shell with solvent to remove any grease
2. Use **Loctite Superflex** RTV Silicone Adhesive (Room Temp Vulcanizing)
3. Spread a thin coat of the RTV Silicone around the carbon BB shell and on the outer bearing race
4. **Once pressed, it must cure for 24hrs before riding**

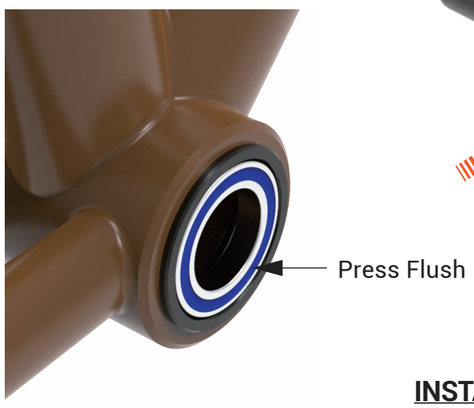


2 Loctite Superflex
Clear RTV (Carbon BB Shell)

BOTTOM BRACKET INSTALLATION

1. Press the 22mm ID bearing into the Left/Non-Drive side of the frame
2. Then press the 24mm ID bearing into the Right/Drive side of the frame
3. **Wait 24hrs for silicone to cure if pressed into carbon BB shell**





INSTALLATION NOTES

- Press all bearings using a professional press tool
- Press all bearings flush against the bottom bracket shell
- **Press one Bearing/Side at a time!**

BB REMOVAL

1. Using bearing removal tool, hammer out the Non-Drive Side Bearing from the inside out
2. Using bearing removal tool, hammer out the Drive-Side Bearing from the inside out

Use 4 Park BBT-30.4 Removal Tool or similar

CRANK INSTALLATION

Please see CRANK instructions at **www.praxiscycles.com/manuals**

BB DUST COVER SETUP

Only 1 cover per side!

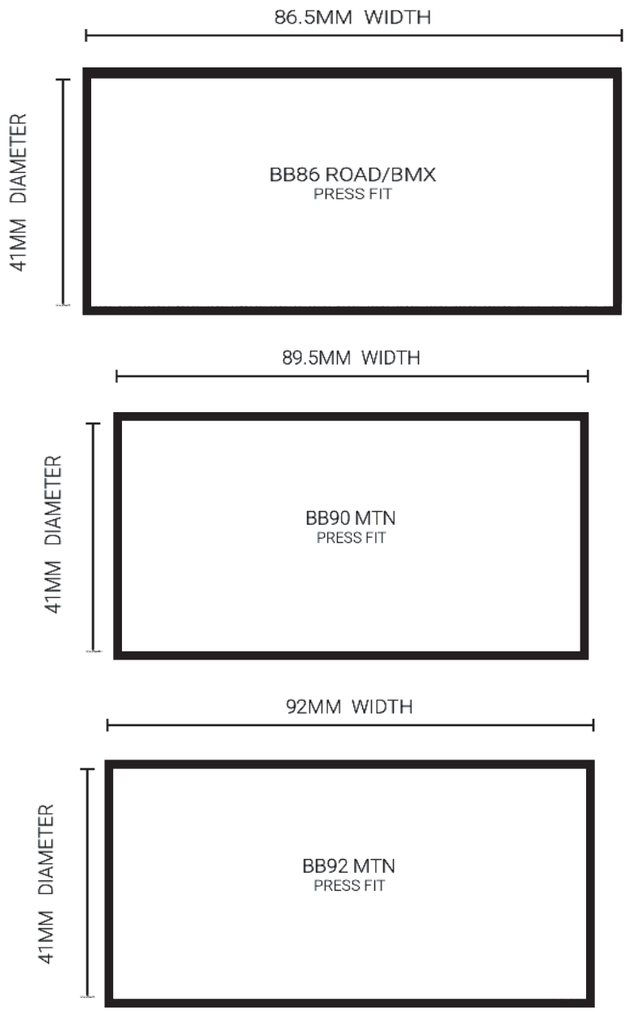
LEFT/NON-DRIVE
22mm I.D.

(NON-Stepped 28 Cover)

RIGHT/DRIVE
24mm I.D.

NEXT PAGE FOR M24 COVER GUIDE

REFERENCE - FRAME BB SPECS



BB DUST COVER GUIDE

ROAD M24	WIDTH	M24 CRANK	LEFT 22mm Cover	LEFT CUP SPACER	RIGHT CUP SPACER	RIGHT 24mm Cover
BSA	68mm	ROAD DM	1.7mm	-	-	2mm
		ROAD NON-DM	1.7mm	-	-	2mm
		SRAM ROAD GxP	1.7mm	-	-	2mm
T47 E.B.	68mm	ROAD DM	1.7mm	-	-	1mm
		ROAD NON-DM	1.7mm	-	-	1mm
		SRAM ROAD GxP	1.7mm	-	-	1mm
T47 I.B.	85.5mm	ROAD DM	1.7mm	-	-	1mm
		ROAD NON-DM	1.7mm	-	-	1mm
		SRAM ROAD GxP	1.7mm	-	-	1mm
* BB86	86.5mm	ROAD DM	1.7mm	-	-	2mm
		ROAD NON-DM	1.7mm	-	-	2mm
		SRAM ROAD GxP	1.7mm	-	-	2mm
BB30/PF30	68mm	ROAD DM	1.7mm	-	-	2mm
		ROAD NON-DM	1.7mm	-	-	2mm
		SRAM ROAD GxP	1.7mm	-	-	2mm

“DM” = DIRECT MOUNT SPIDER (Removable Spider)

“NON-DM = NOT DIRECT MOUNT SPIDER (Integrated or Pressed-On Spider)

MTN M24	WIDTH	M24 CRANK	LEFT 22mm Cover	LEFT CUP SPACER	RIGHT CUP SPACER	RIGHT 24mm Cover
BSA	68mm	GEN1 MTN DM	1.7mm	2.5	2.5	2mm
		GEN1 MTN NON-DM	1.7mm	2.5	2.5	3.7mm
		GEN2 MTN DM	1.7mm	2.5	2.5	3.7mm
		SRAM MTN GxP	1.7mm	2.5	2.5	3.7mm
	73mm	GEN1 MTN DM	1.7mm	-	-	2mm
		GEN1 MTN NON-DM	1.7mm	-	-	3.7mm
		GEN2 MTN DM	1.7mm	-	-	3.7mm
		SRAM MTN GxP	1.7mm	-	-	3.7mm
T47 E.B.	73mm	GEN1 MTN DM	1.7mm	-	-	1mm
		GEN1 MTN NON-DM	1.7mm	-	-	3.7mm
		GEN2 MTN DM	1.7mm	-	-	3.7mm
		SRAM MTN GxP	1.7mm	-	-	3.7mm
T47 I.B.	89.5mm	GEN1 MTN DM	1.7mm	-	-	2mm
		GEN1 MTN NON-DM	1.7mm	-	-	3.7mm
		GEN2 MTN DM	1.7mm	-	-	3.7mm
		SRAM MTN GxP	1.7mm	-	-	3.7mm
* BB90	89.5mm	GEN1 MTN DM	1.7mm	-	-	3.7mm
		GEN1 MTN NON-DM	1.7mm	-	-	6.8mm
		GEN2 MTN DM	1.7mm	-	-	6.8mm
		SRAM MTN GxP	1.7mm	-	-	6.8mm
* BB92	92mm	GEN1 MTN DM	1.7mm	-	-	2mm
		GEN1 MTN NON-DM	1.7mm	-	-	3.7mm
		GEN2 MTN DM	1.7mm	-	-	3.7mm
		SRAM MTN GxP	1.7mm	-	-	3.7mm
BB30/PF30	73mm	GEN1 MTN DM	1.7mm	-	-	2mm
		GEN1 MTN NON-DM	1.7mm	-	-	3.7mm
		GEN2 MTN DM	1.7mm	-	-	3.7mm
		SRAM MTN GxP	1.7mm	-	-	3.7mm