



BBRIGHT-OUT for SHIMANO PART LIST

Item #	Part #	Description	QTY Included
1	BBRIGHTSIDEA	RIGHT BBRIGHT-OUT CUP	1
2	BBRIGHTSIDEB	LEFT BBRIGHT-OUT CUP	1
3	<u>SB-24X37ACZ</u>	24X37X7 ANGULAR CONTACT SEALED BEARING	1
	<u>SB-24X37ACZ</u>	24X37X7 ANGULAR CONTACT SEALED BEARING	1
4	<u>24MMSEAL</u>	24MM OUTER SILICONE SEAL	1
	<u>24MMSEAL</u>	24MM OUTER SILICONE SEAL	1
5	<u>BB-24MM-0.5Z</u>	0.5MM CRANK SPINDLE SPACER	1
	<u>BB-24MM-1.0Z</u>	1MM CRANK SPINDLE SPACER	2



Recommended Tools:

- PRESS-1 or PRESS-4
- One PF30-0B drift
- One 24370B drift
- Bottom bracket cup tool (WRENCH-BB48-39)





IMPORTANT:

- Read instructions completely before beginning installation.
- DO NOT use any brand bearing retaining compounds or epoxies during installation, use of which will void any warranty.

Thoroughly clean the bottom bracket shell. Do not install bottom bracket dry. Identify the material that your frame's bottom bracket shell is made of. Use the correct compound for your BB shell material!

- Steel or Alloy BB shells - High Quality Grease
- Carbon BB Shell - 100% Pure PTFE (Teflon) Grease
- Titanium BB Shell - Anti-Seize Compound



1. Thoroughly clean frame's bottom bracket shell. Do not install cups dry. Apply a thin layer of high quality grease, 100% pure PTFE or anti-seize compound to inside surface of the shell. Use the appropriate compound for your frame's BB shell material:

- Steel or Alloy BB Shells - High Quality Grease
- Carbon BB Shell - 100% PTFE (Teflon) Grease
- Titanium BB Shell - Anti-Seize Compound



2. Apply grease to threads. **Do not use thread locking compound, PTFE or anti-seize on the threads.**

Apply a thin layer of grease, PTFE or anti-seize compound to non-drive side cup outer surface.



3. Insert non-drive side cup into frame.

NOTE: Pressfit tolerances may differ among manufacturers, cup may slide into frame with little resistance.



4. Use PRESS-1 or PRESS-4 with one 24370B bearing drift (non-drive side) and one PF30-0B drift (drive side) to press cup into frame. Fully tighten until cup is flush with the frame.



5. Apply a thin layer of high quality grease, PTFE or anti-seize compound to drive side BB cup surface.

- Steel or Alloy BB Shells - High Quality Grease
- Carbon BB Shell - 100% PTFE (Teflon) Grease
- Titanium BB Shell - Anti-Seize Compound



6. Insert drive side cup into frame by hand until threads begin to engage. Pay careful attention to not cross-thread cups.



7. Using 16 notch wrench (**WRENCH-BB48-39**), fully tighten cup. Approximate torque 35-50Nm.



8. Install right crank arm, making sure outer dust seal is installed.



9. Make sure outer dust seal is in place before installing left crank arm.



10. Install left crank arm, tighten crank to manufacturer specifications.

Final Adjustments:

Check for play in the crank. If the crank moves side-to-side through the bottom bracket, remove the left crank arm and add spacers as needed between the outer dust seal and the left crank arm.

NOTE: Angular contact bearings require slightly more preload to ensure that all balls are contacting the inner races properly. For proper preload of angular contact bearings, tighten the left crank arm fixing bolt until you start to feel drag on the bearings. Then back off the fixing bolt until the bearings begin to rotate freely again. Tighten crank pinch bolts to manufacturer specs.

NOTE: Due to the wide variety of frame manufacturers, Wheels Manufacturing cannot guarantee compatibility with all frames. Please consult with your specific frame manufacturer before installation. Wheels Manufacturing is not responsible for damage done to your frame as a result of installation or use of this product.

IMPORTANT: Wheels Mfg Limited Warranty

Wheels Mfg PressFit components, excluding Enduro bearings are warranted for a period of 2 years. Enduro warrants its 24x37 angular contact bearings and 24x37 ceramic bearings for a period of 1 year to be free of defects in workmanship or materials. Excessive exposure to environmental elements or improper installation or removal voids warranty. Do not wash the bottom bracket area with high-pressure jets of water. Do not remove or install bearings in or out of cups with a hammer! Do not install bearings in cups by pressing on inner bearing race, bearing damage will result. Failure to use proper installation and removal tools will damage bearings and greatly reduce bearing life.