

Pro BB Socket Holder

and use with:

- Pro BB Socket Cup and Sets (Items 6460760, 6460769, & 6460770)
- External BB Socket (Item 6460261) & Splined BB Socket (Item 6460202)
- Flat BB Wrenches (e.g. items 6460242 and 6460296) and more.

PN 6460215
Made in Taiwan
Specifications subject to
change without notice.

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External Cup Threaded or Thread-Together Bottom Brackets

Pro BB Socket Holder + Pro BB Socket Cup

The Pro BB Socket Holder threads directly into the Pro BB Socket Cup. This tool combination offers the most versatile solution for installing modern threaded bottom bracket cups. For newer T47 BB cups, or others with minimal tool engagement, this tool combination:

- Pulls and holds the socket inward, so it does not slip off, and
- Prevents the socket from slipping too far inward past the cup flange.

To prevent the Pro BB Socket Cup from slipping past the BB cup flange, use the Small Plate and included washers. Installed onto the Main Screw as shown in Figure 2. Change quantity and thickness of washers to adjust how far the socket can overlap the BB cup. If needed, the Main Screw can be unthreaded a small amount to fine tune the spacing.

1. Thread M12 end of the Main Screw into the Pro BB Socket Cup. Add washers and Small Plate if using to prevent the Pro BB Socket Cup from slipping past the BB cup flange.
2. Pass Main Screw through BB and install Large Plate, 2mm Washer, Spring, and Nut as shown in Figure 2. When Spring begins compressing, tighten Nut 2-3 more rotations to add preload.
3. Engage drive tool with the Pro BB Socket Cup (3/8" square internal drive or 24mm hex external drive), and start removing BB cup. Do not loosen cup more than 3 rotations to prevent spring from bottoming.
4. Unthread the Nut to release tension from the system and finish removing the BB cup. Without full compression applied, the Pro BB Socket Holder may remain in place to maintain the socket cup position relative to the BB cup.

Pro BB Socket Holder + Other BB Socket (or BB Socket on Disc)

Install a 2mm Washer onto the Main Screw followed by the BB Socket as shown in Figure 3 (or Figure 7). Then follow steps 2-4 above (Substitute Small Plate or no plate as parts dictate).

Pro BB Socket Holder + Flat BB Wrench

Install a 2mm Washer onto the Main Screw followed by the Large Plate and then the Wrench as shown in Figure 4. Then follow steps 2-4 above.

Cartridge Type BBs

Splined Axle: Pro BB Socket Holder + Splined BB Socket

Disassemble Pro BB Socket Holder, install the M15/M12 end of Main Screw into BB spindle, and then install Splined BB Socket, Washer, Spring, and Nut as shown in Figure 5. When Spring begins compressing, tighten Nut 2-3 more rotations to add preload. Then follow steps 3-4 above.

Square Taper Axle: Pro BB Socket Holder + Splined BB Socket

Disassemble Pro BB Socket Holder then install the Nut, Spring, Washer, and BB Socket onto the Main Screw as shown in Figure 6. Position so the Main Screw sticks out ~1cm from the BB Socket. Thread the end of the Main Screw into the BB spindle. Tighten the Nut until the Spring begins compressing, tighten Nut 2-3 more rotations to add preload. Then follow steps 3-4 above.

Cartridge BB: Pro BB Socket Holder + Flat Wrench (e.g. 6460250-BB Wrench Shimano® 6-Notch)

Follow splined or square taper instructions above. Instead of Splined BB Socket, use Flat Wrench plus a spacer such as 6460261-External BB Socket to clear the bb axle. See Figure 8.

Pro BB Socket Holder + Over-Axle Socket (e.g. 6460205-Campy BB & Cassette Socket)

Follow square taper instructions above. Instead of Splined BB Socket, use Campy BB & Cassette Socket. For longer axles, a spacer, such as a 17mm 3/8" drive socket, may be needed (no figure shown).

FIGURE 1

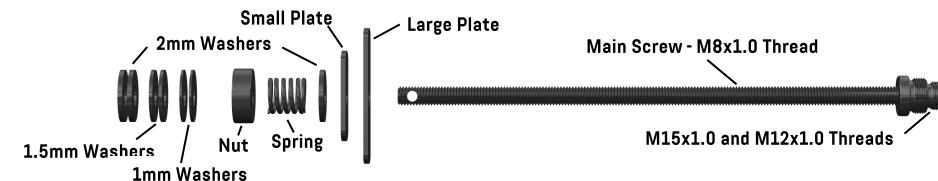


FIGURE 2

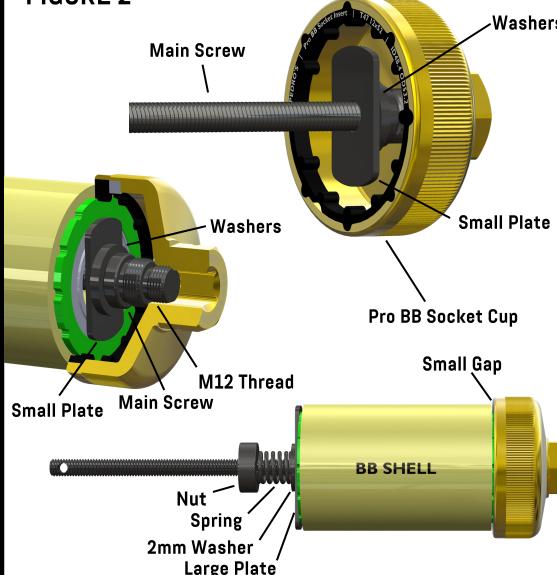


FIGURE 3

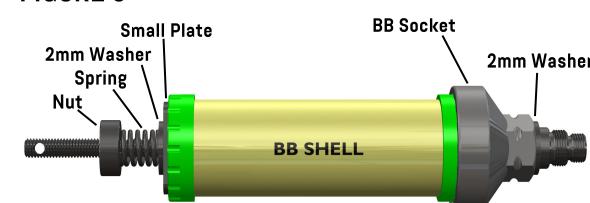


FIGURE 4

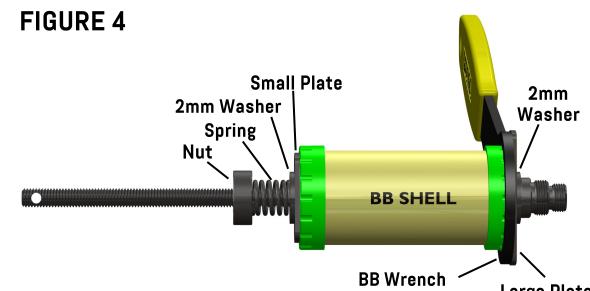


FIGURE 7

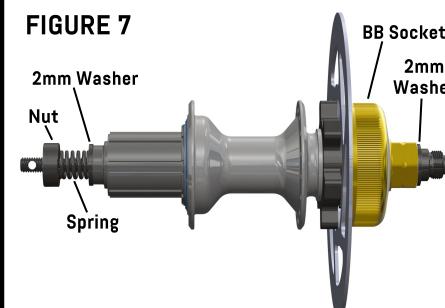


FIGURE 5

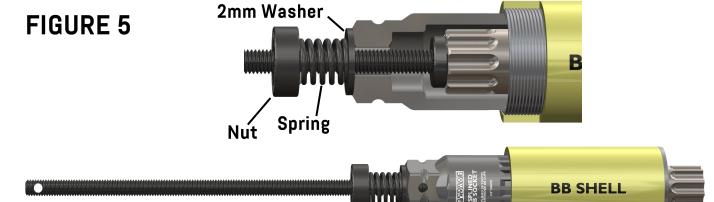


FIGURE 6

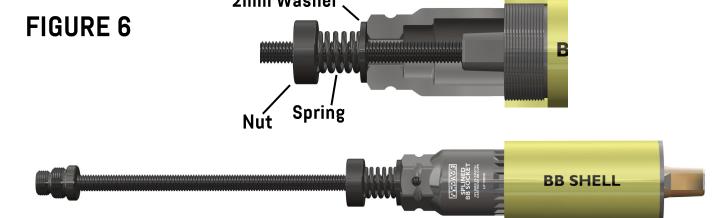


FIGURE 8

