Park Tool BBT-RS Bottom Bracket Tool Retaining System Instructions

BBT-RS Instructions

Contents

BBT-RS Bottom Bracket Tool Retaining System

Threaded bottom bracket tool fittings are often shallow, making it difficult to keep tools properly engaged during installation and removal. The BBT-RS secures removal tools to bottom bracket cups and adapters. It can be configured for compatibility with most threaded and thread-together bottom bracket styles.

GENERAL GUIDELINES

- In all bottom bracket systems the crank must be removed before removing the bottom bracket.
- To avoid seizing, lubricate threads before use.
- Use the BBT-RS only for initial loosening or final tightening, when load on the bottom bracket tool is greatest.
- The threaded rod features a fixturing hole for the purpose of loosening the rod when necessary. When assembling the BBT-RS, orient this hole opposite the adapter nut or spindle.

INSTRUCTIONS

Threaded and Thread-Together Bottom Bracket Systems with Thru Spindle
Modern two-piece crank systems use threaded cups or adapters installed into the bottom bracket shell. All machined-aluminum bottom bracket tools currently manufactured by Park Tool feature an internal threading that integrates with the BBT-RS, which permits use of a 3/8” drive wrench. See parktool.com/BBT-RS for a full list of compatible tools.

1. Thread the adapter nut (#4) into the internal thread of the bottom bracket tool.
2. Install the threaded rod (#3) into the adapter nut (Figure 1).
3. Guide the threaded rod through the bottom bracket shell and engage the bottom bracket tool squarely onto the bottom bracket tool fitting.
4. On the opposite side of the bike, install the washer (#2), spring assembly (spring washers [#6] & spring [#5]), and pressure nut (#1).
5. Tighten the pressure nut until the spring is nearly fully compressed (Figure 2).
6. Engage a 3/8” drive wrench into bottom bracket tool and turn.
7. If removing the bottom bracket, the pressure nut must be loosened after the first ¼ turn to prevent damage to the BBT-RS and bottom bracket tool.

Cartridge Bottom Bracket Systems
Cartridge bottom brackets can use M8, M12 or M15 crank bolts.

1. Begin by determining the bolt threading used on the spindle.
   • For M12 or M15 threading, fully install the appropriate side of the adapter nut into the spindle. Fully install the threaded rod into the adapter nut (Figure 3).
   • For M8 threading, thread the rod directly into the spindle (Figure 4). Engage 5 to 6 full turns.
2. Engage the removal tool squarely onto the bottom bracket tool fitting.
   • Note: on some shorter tools, the spindle may protrude and not allow proper engagement. Use a deeper tool such as the BBT-22.
3. Install the washer and the spring assembly onto the rod.
4. Install the pressure nut and tighten until the spring is nearly fully compressed (figure 5).
5. Use an appropriate wrench to turn the bottom bracket tool.
6. If removing the bottom bracket, the pressure nut must be loosened after the first ¼ turn to prevent damage to the BBT-RS and bottom bracket tool.

Cup and Cone Bottom Brackets

Cup-and-cone bottom brackets disassemble from the non-drive side and have a fixed cup on the drive side. The BBT-RS can be useful for service of the drive side cup.

1. Remove the non-drive side lockring, adjustable cup and spindle.
2. Install the threaded rod through the bottom bracket shell.
3. Install a fixed-cup wrench (such as Park Tool HCW-4) and the washer.
4. Install the spring assembly, then thread on the adapter nut.
5. On the non-drive side, install the pressure nut and tighten until the spring is nearly fully compressed (figure 6).
6. Turn the tool as needed.
7. If removing the bottom bracket, the pressure nut must be loosened after the first ¼ turn to prevent damage to the BBT-RS and bottom bracket tool.

Figure 1

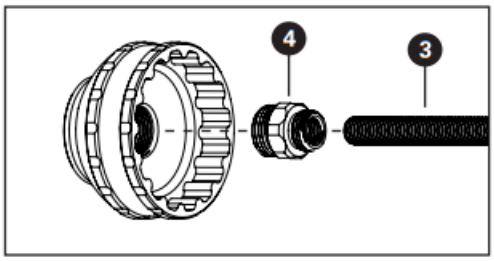


Figure 2

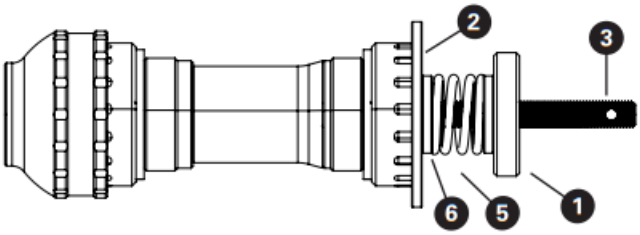


Figure 3

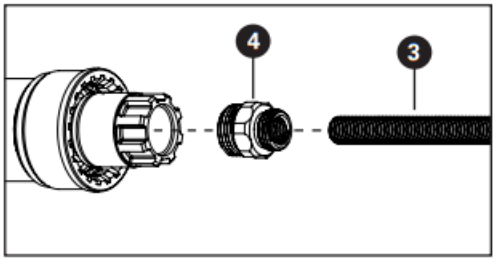


Figure 4

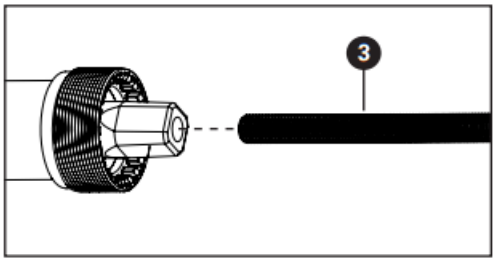


Figure 5

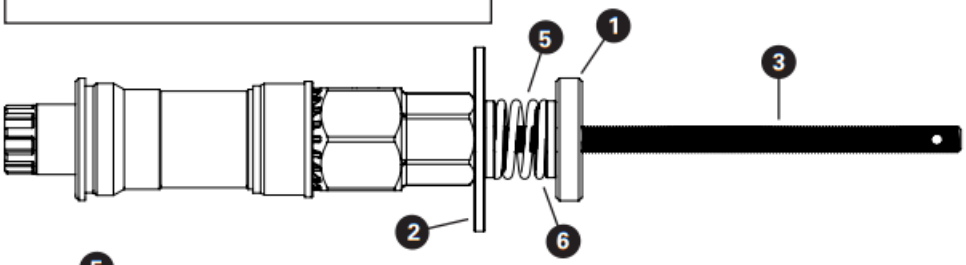
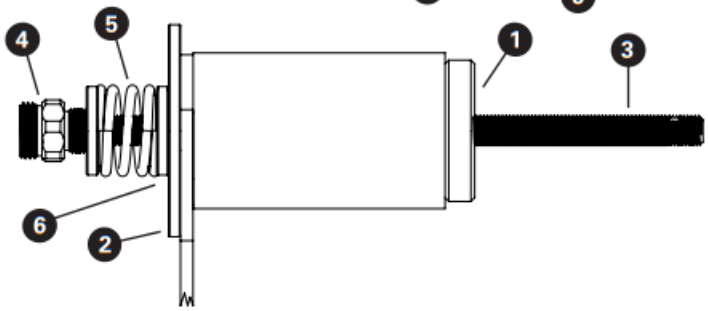
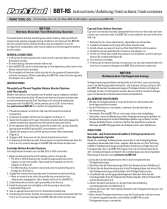


Figure 6



Documents / Resources

	Park Tool BBT-RS Bottom Bracket Tool Retaining System [pdf] Instructions BBT-RS Bottom Bracket Tool Retaining System, BBT-RS, Bottom Bracket Tool Retaining System, Bracket Tool Retaining System, Tool Retaining System, Retaining System

References

- Select Your Region | Park Tool
- BBT-RS Bottom Bracket Tool Retaining System | Park Tool