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2001/2002 ISIS Drive Bottom Bracket

Installation and Service

Every effort has been made to guarantee superior design, workmanship and quality control on our products. To ensure correct installation and performance we recommend the services of a qualified, professional bicycle technician. If you are adventurous and plan to install these parts yourself, please read this entire manual carefully before proceeding.

TRUVATIV assumes no responsibility for malfunction or injury caused by faulty installation or maintenance. And you should be aware that bolts can rattle loose and parts may be damaged after a crash. All parts must be frequently checked and serviced to ensure safety.

Parts & Tools

Parts:

- Bottom bracket
- Left Bottom Bracket Adapter

Tools:

- Bottom bracket installation tool (Truvativ BB-02-SPL-TOOL, Park™ BBT8, or equivalent)
- Torque wrench

Supplies

- Medium strength threadlock compound (Loctite™ 242 or equivalent)
- Grease

Always use TRUVATIV replacement parts for optimum performance.

Note: It is very important that you read and follow these instructions carefully. Improper installation can result in damage to this bottom bracket or your frame. If you do not understand these instructions, please have your bottom bracket professionally installed.

Parts Preparation

STEP 1: Frame Preparation

To begin, the threads in the bottom bracket shell of your frame must be clean, lightly greased, and free of paint and dirt. The shell must have english threads and the ends must be faced. If your frame is new, check the threads and the outside ends to be sure they are chased and faced.

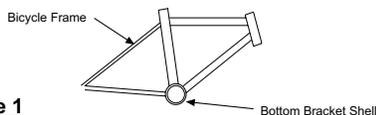


Figure 1

STEP 2: Bottom Bracket Preparation

This bottom bracket has different threads on the right and left side, and it is important that these threads are installed in the correct side of the frame. The bottom bracket is labeled to distinguish the right and left sides, as shown in Figure 2. The right side of the bicycle is the drivetrain side.

The bottom bracket is supplied with a 2.5mm spacer that is either used or removed from the right side cup depending upon your frame and derailleur combination. If the bottom bracket is used in conjunction with either an E-type front derailleur or a chainguide, remove the spacer before installation. Please refer to the compatibility chart to verify that the bottom bracket is correct for your frame/front derailleur combination.

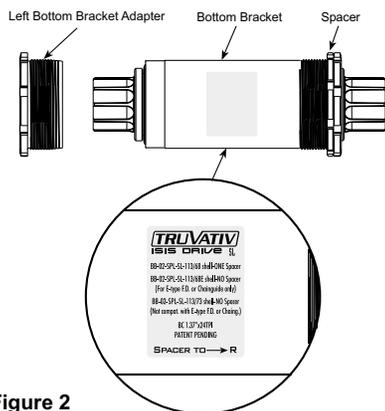


Figure 2

After the frame and bottom bracket threads have been prepared according to Steps 1 and 2, you are ready to assemble the bottom bracket into the bicycle frame.

Assembly

STEP 3: Bottom Bracket Installation

First, apply threadlock compound to the outside thread of the left bottom bracket adapter, and lightly grease the inside surface. Thread it clockwise (right-hand thread) by hand into the left side of the frame as shown below in Figure 3.

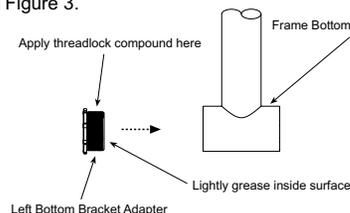


Figure 3

Next, apply threadlock compound to the bottom bracket threads, and insert the bottom bracket into the bottom bracket shell through the right side. Turn the threads counterclockwise (left-hand thread) and thread the bottom bracket by hand into the frame all the way, as shown in Figure 4. After the bottom bracket is threaded into the frame, lightly grease the stops at each end of the spindle.

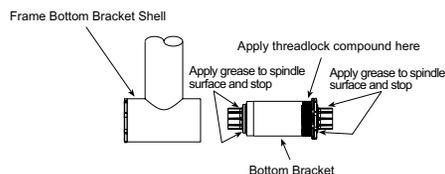


Figure 4

STEP 4: Bottom Bracket Tightening

After assembling the bottom bracket into the frame, both sides must be tightened correctly to assure the bottom bracket does not come loose or get damaged. A torque wrench is required to tighten the bottom bracket correctly and prevent damage to both the bottom bracket and the frame.

First, tighten the left side by turning the left bottom bracket adapter clockwise, to the torque specified in Figure 5.

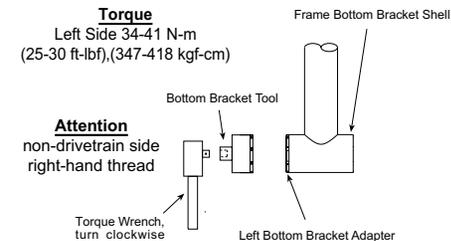


Figure 5

Next, tighten the right side by turning the bottom bracket counter-clockwise with the bottom bracket tool. Tighten to the torque specified in Figure 6.

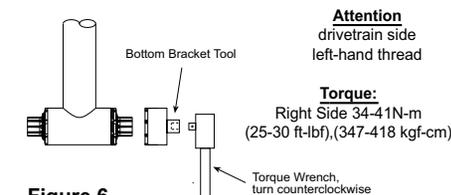


Figure 6

The bottom bracket installation is now complete. Please refer to your crankset owner's manual for instructions on installing the cranks onto the bottom bracket.

Compatibility

2002 Bottom Brackets

Model#	BB Shell	Chainline	E-type FD or Chainguide
BB-02-SPL-SL-108/68	68mm wide	44.5 road double	not compatible (NO spacer)
BB-02-SPL-SL-113/68	68mm wide	46.5 mtb / 47" road d.	not compatible (ONE spacer)
BB-02-SPL-SL-113/68E	68mm wide	48.5 mtb	compatible (NO spacer)
BB-02-SPL-SL-113/73	73mm wide	48.5 mtb	not compatible (NO spacer)
BB-02-SPL-SL-118/68	68mm wide	51 mtb / 46.5 road t.	not compatible (ONE spacer)
BB-02-SPL-SL-118/68E	68mm wide	51 mtb	compatible (NO spacer)
BB-02-SPL-SL-118/73	73mm wide	51 mtb	not compatible (NO spacer)
BB-02-SPL-DH-118/68	68mm wide	51 mtb	not compatible (ONE spacer)
BB-02-SPL-DH-118/68E	68mm wide	51 mtb	compatible (NO spacer)
BB-02-SPL-DH-118/73	73mm wide	51 mtb	not compatible (NO spacer)
BB-02-SPL-DH-118/73E	73mm wide	51 mtb	compatible (NO spacer)
BB-02-SPL-XR-113/68	68mm wide	48.5 mtb	not compatible (ONE spacer)
BB-02-SPL-XR-113/68E	68mm wide	48.5 mtb	compatible (NO spacer)
BB-02-SPL-XR-113/73	73mm wide	48.5 mtb	not compatible (NO spacer)
BB-02-SPL-XR-118/68	68mm wide	51 mtb / 46.5 road t.	not compatible (ONE spacer)
BB-02-SPL-XR-118/68E	68mm wide	51 mtb	compatible (NO spacer)
BB-02-SPL-XR-118/73	73mm wide	51 mtb	not compatible (NO spacer)
BB-02-SPL-XR-118/73E	73mm wide	51 mtb	compatible (NO spacer)

*= 47mm Road Double chainline refers to requirement for the 55-42 chaining configuration.

2001 Bottom Brackets

Model#	BB Shell	Chainline	E-type FD or Chainguide
BB-01-SPL-SL-113-H	68mm wide	48.5 mtb	No - one spacer
	68Emm wide	48.5 mtb	Yes - no spacer
	73mm wide	48.5 mtb	No - not compatible (NO spacer)
BB-01-SPL-XR-113-H	68mm wide	48.5 mtb	No - one spacer
	68Emm wide	48.5 mtb	Yes - no spacer
	73mm wide	48.5 mtb	No - not compatible (NO spacer)
BB-01-SPL-XR-113-DH	68mm wide	48.5 mtb	No - one spacer
	68Emm wide	48.5 mtb	Yes - no spacer
	73mm wide	48.5 mtb	No - not compatible (NO spacer)