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## Giga X Pipe Bottom Brackets and Cranksets

### Congratulations!

Thank you for purchasing a Truvativ Giga X Pipe Bottom Bracket and Crankset. The following instructions should be read thoroughly before installation. Improper installation of your Truvativ Giga X Pipe Bottom Bracket and Crankset may cause an unexpected failure of the parts that could cause you to lose control of your bicycle resulting in serious injury or death. We recommend having your parts installed by a qualified bicycle technician. Truvativ assumes no responsibility for malfunction or injury due to faulty installation.

### Application Chart

Part	Road	XC	AM	DH
Giga X Pipe Rouleur, Rouleur Carbon				
Giga X Pipe Stylo				

Key: XC = Crosscountry AM = All-Mountain DH = Downhill

### Compatibility

Crankset Model		Chainline	Frame Shell Width	Spacer Config
Giga X Pipe Rouleur Carbon	Track/SS	41.0mm	68mm	NO spacers
		41.2mm	70mm (Italian)	NO spacers
	Double	44.5mm	68mm	NO spacers
		44.7mm	70mm (Italian)	NO spacers
	Triple	46.5mm	68mm	NO spacers
		46.7mm	70mm (Italian)	NO spacers
Giga X Pipe Stylo	SS	49.0mm	68mm	TWO Spacers (one per side)
			73mm	NO Spacers
	Triple	49.0mm	68mm	TWO Spacers (one per side)
			73mm	NO Spacers

### Parts and Tools

#### Parts:

- Left Bottom Bracket Cup
- Right Bottom Bracket Cup & Shell Assembly
- Left Crankarm
- Right Crankarm & Spindle Assembly
- Crankbolt Assembly
- Spacers (if applicable)

#### Tools:

- Torque wrench
- 8mm hex key, 16mm (5/8") hex key
- Bottom Bracket installation tool (Truvativ GXP tool, Park™ BBT9 or equivalent)

#### Supplies:

- Grease

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### Parts Preparation

#### Step 1

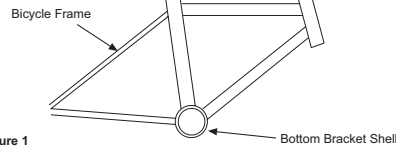


Figure 1

Assure the frame's bottom bracket shell threads are clean and undamaged, there should be no paint or dirt present. Have your bottom bracket shell chased and faced by your bike shop for best results. Check to make sure the threads of your Truvativ bottom bracket match the threads in the bottom bracket shell of your frame.

#### Step 2

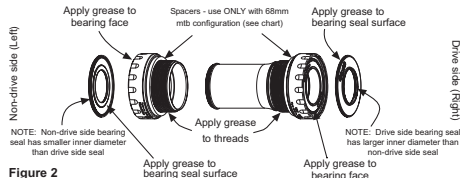


Figure 2

Prepare the bottom bracket as shown, omitting the spacers if not required for your application, refer to the Compatibility Chart. It may be necessary to remove the drive side seal from the spindle. Both seals should be pressed into place so that the outer lip seats firmly in the bottom bracket cup groove. Apply grease to the surfaces shown in Figure 2.

#### Step 3

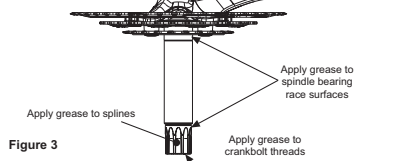


Figure 3

Prepare the crank spindle as shown. Apply grease to the surfaces shown in Figure 3.

#### Step 4

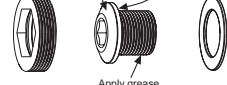


Figure 4

Prepare the self extracting crank bolt as shown. Apply grease to the surfaces shown in Figure 4.

### Assembly

#### Step 1

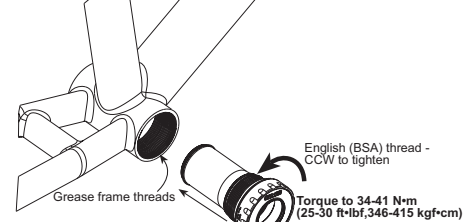


Figure 5

Thread the prepared bottom bracket into the drive side (right side) of the frame until the flange, or spacer if applicable, bottoms against the frame shell face. Torque to 34-41 N•m (25-30 ft•lbf, 346-415 kgf•cm) using a torque wrench. Refer to Figure 5.

#### Step 2

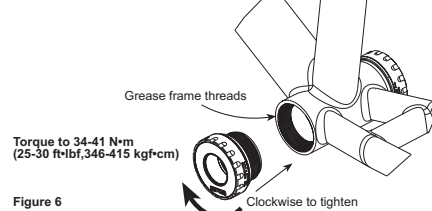


Figure 6

Thread the prepared left adapter cup into the non-drive side (left side) of the frame until the flange, or spacer if applicable, bottoms against the frame shell face. Torque the left adapter cup to 34-41 N•m (25-30 ft•lbf, 346-415 kgf•cm) using a torque wrench. Refer to Figure 6.

#### Step 3

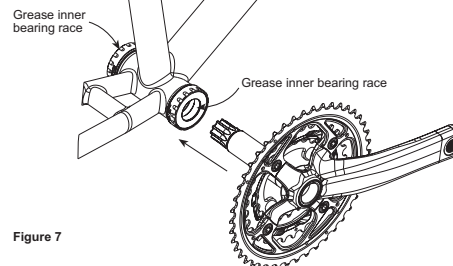


Figure 7

Grease the inner bearing races as shown in Figure 7. Slide the right crankarm and spindle assembly through the bottom bracket until the left side splines come through the left side bottom bracket cup, and the spindle stops.

#### Step 4

Use 16mm (5/8") hex key to install self extractor and torque to 12-15 N•m (8.9-11.1 ft•lbf, 122-153 kgf•cm)

Figure 8

If the crank bolt assembly has not been assembled yet, assemble it and torque as shown in Figure 8.

#### Step 5

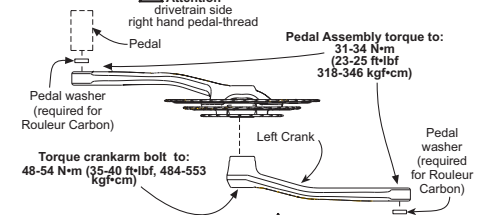


Figure 9

Assemble the left crankarm onto the bottom bracket spindle using an 8mm hex key and torque as shown in Figure 9. Check the assembly for play by pulling crankarm away from frame, alternating back and forth. If the crank moves, tighten crankarm bolt until no play is detected. If maximum torque has been achieved, remove the crankarm from the spindle, apply additional grease, and repeat installation. It may take several installations to eliminate all play. Grease the pedal threads, assemble and torque the pedals to the crankarms as shown in Figure 9.

**Note: GXP seals are designed to prevent contamination and therefore must rub against their sealing surfaces. New GXP seals will feel stiff upon initial installation. This is normal. With use the seals will wear-in and loosen up.**

### Warranty

We at Truvativ stand behind our products and our customers. Our Giga X Pipe Bottom Bracket is warranted for one year, our Rouleur, Rouleur Carbon and Stylo Cranksets are warranted for two years from the date of purchase against manufacturing defects and workmanship. This warranty is not valid for "abused" or neglected products, or products that are damaged by improper installation or assembly. We define an abused product as one that was subjected to use outside of its design intent. Please pay special attention to the Application Chart shown earlier in this manual to verify you are using the product for its intended purpose.

If you feel you have a warranty claim, would like to learn more about our warranty policy, or have further questions or comments please visit our web site at [www.truvativ.com](http://www.truvativ.com). You may also contact us using the information below:

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