



TECHNICAL BULLETIN

To: SRAM Partners
Subject: Truvativ Powerspline CrankArm Installation
From: SRAM Warranty and Technical Services
Date: 10 June 2005

Dear Valued SRAM Partner,

To further clarify the installation process for Truvativ Powerspline cranks and bottom brackets, please review the included installation update. Following these installation steps will ensure safe and proper function.

IDENTIFICATION

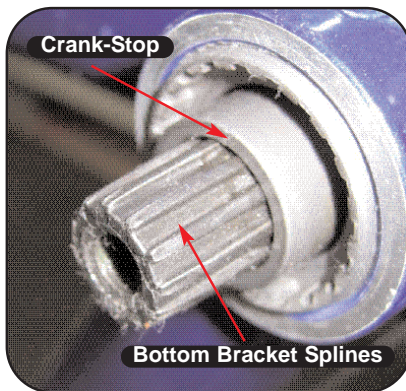


FIGURE 1: Powerspline bottom bracket

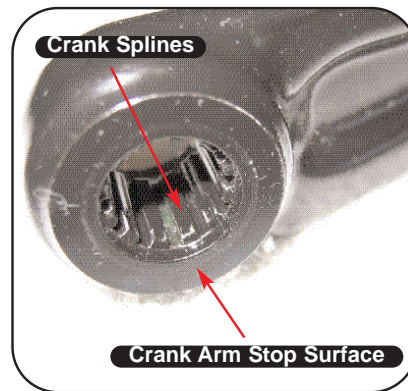


FIGURE 2: Powerspline Crank Arm

INSTALLATION PROCESS

STEP 1: Install the bottom bracket in accordance with the steps defined in the bottom bracket User Manual.

STEP 2: Thoroughly grease all contact surfaces on the crankarm, bottom bracket spindle (splines), and crank bolt as shown in Figure 3.

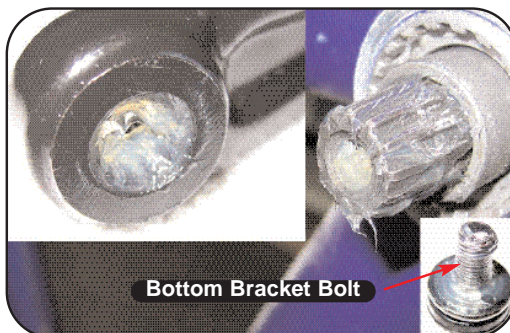


FIGURE 3: Apply grease



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STEP 3: Install the crankarm onto the bottom bracket spindle by hand. Press the crankarm firmly onto the spindle. Wiggle the crankarm as needed to ensure proper fit onto the bottom bracket spindle. The distance between the crankarm stop-surface and bottom bracket crank-stop is called "pre-load", as shown below in Figure 4. The preload on a new Powerspline crankarm and bottom bracket should be between 3mm and 6mm.

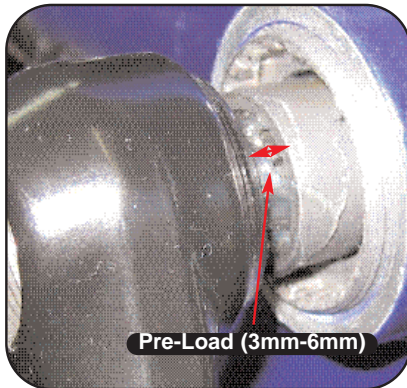


FIGURE 4: Powerspline crank arm installed by hand onto bottom bracket spindle. The distance between the crankarm stop-surface and the bottom bracket crank-stop is called "preload".

STEP 4: Install the crank bolt and tighten to 28-31 ft-lbs (38-42 N-m, 387-429 Kgf-cm) as shown below in Figure 5. After tightening the crank bolt, check to ensure that the crankarm stop-surface is contacting the bottom bracket crank-stop as shown below in Figure 6. If it is not then you must remove the crankarm and repeat Steps 2 through 4.

IMPORTANT: If the crankarm is not tightened against the bottom bracket crank-stop the crankarm can loosen from the bottom bracket spindle and fall off during use.

If the crankarm stop-surface is in contact with the bottom bracket crank-stop, then you have successfully installed the Powerspline crankarm.

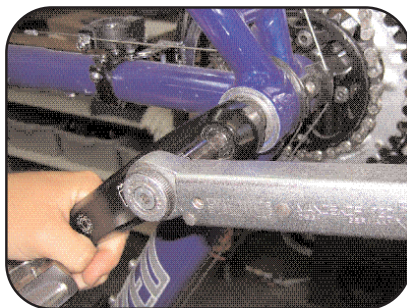


FIGURE 5: Tighten crank bolt with torque wrench to: 28-31 ft-lbs (38-42 N-m, 387-429 Kgf-cm)

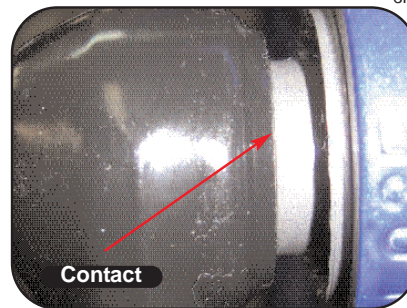


FIGURE 6: When correctly installed the crankarm stop-surface contacts the bottom bracket crank-stop.

The SRAM logo is displayed in white, italicized, sans-serif capital letters on a red rectangular background.

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Please contact your SRAM Customer Service or Sales representative with further questions.

Thank you,

Mark Cantella

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