

SRAM Force AXS D1 Crankset

SRAM Force AXS D1 Crankset Instruction Manual

Model: Force AXS D1 Crankset

1. INTRODUCTION

Welcome to the instruction manual for your new SRAM Force AXS D1 Crankset. This manual provides essential information for the proper installation, safe operation, and effective maintenance of your crankset. Please read this manual thoroughly before attempting any installation or use to ensure optimal performance and to prevent damage or injury.

The SRAM Force AXS D1 Crankset is designed for high-performance road cycling, offering a lightweight and stiff carbon fiber construction with the versatile DUB spindle interface.

2. PRODUCT OVERVIEW

The SRAM Force AXS D1 Crankset features carbon fiber crank arms designed for direct mount chainrings or spiders. It utilizes the SRAM DUB spindle interface, ensuring broad compatibility with various bottom bracket standards.

Key Features:

- Lightweight carbon fiber crank arms.
- DUB spindle interface for wide bottom bracket compatibility.
- Direct mount interface for chainrings or power meters (sold separately).
- Designed for road cycling applications.

Components (Crankset Only):

- Left Crank Arm
- Right Crank Arm with Integrated Spindle

Note: Chainrings, spiders, and bottom brackets are sold separately.



Figure 2.1: SRAM Force AXS D1 Crankset (Crank Arms Only)



Figure 2.2: SRAM Force AXS D1 Crankset with Chainring

3. SETUP AND INSTALLATION

Tools Required:

- Torque Wrench
- 8mm Hex Key (for crank bolt)
- Appropriate Bottom Bracket Tool (specific to your DUB bottom bracket)
- Grease
- Threadlocker (e.g., Loctite 242, if specified by SRAM for certain bolts)

Pre-Installation Checks:

1. Ensure your frame's bottom bracket shell is clean and faced correctly.
2. Confirm you have the correct SRAM DUB bottom bracket installed for your frame.
3. Verify that your direct mount chainring or spider is compatible with the SRAM 8-bolt interface.

Installation Steps:

1. **Install Chainring/Spider:** If not already installed, attach your direct mount chainring or spider to the right crank arm (with integrated spindle) using the 8-bolt interface. Apply threadlocker to the bolts as per SRAM's recommendations and torque them to the specified value (typically 10-12 Nm).
2. **Grease Spindle:** Apply a thin layer of high-quality grease to the DUB spindle.
3. **Install Right Crank Arm:** Carefully slide the right crank arm (with chainring/spider) through the DUB bottom bracket from the drive side of the bicycle.
4. **Install Left Crank Arm:** Align the splines of the left crank arm with the splines on the spindle. Push

the left crank arm onto the spindle until it seats fully.

- 5. **Tighten Crank Bolt:** Insert the 8mm hex key into the main crank bolt on the non-drive side. Tighten the crank bolt to the specified torque value. For SRAM DUB cranksets, this is typically 54 Nm (480 in-lb). Ensure the crank arms are securely fastened and spin freely without play.
- 6. **Final Check:** Rotate the crankset to ensure smooth operation and check for any lateral play.

4. OPERATING CONSIDERATIONS

Once installed, the SRAM Force AXS D1 Crankset operates as a standard bicycle crankset. Ensure your chain is compatible with your chainring and drivetrain system. For optimal shifting performance, especially with AXS components, ensure proper chain length and derailleur adjustment.

- Avoid cross-chaining excessively, as this can increase wear on the chainring and chain.
- Regularly check the tightness of the crank bolt and chainring bolts.

5. MAINTENANCE

Regular maintenance will extend the life and performance of your SRAM Force AXS D1 Crankset.

Cleaning:

- Clean the crankset regularly with mild soap and water, especially after riding in wet or dirty conditions.
- Avoid using high-pressure washers directly on the bottom bracket area, as this can force water and contaminants into the bearings.
- Dry the crankset thoroughly after cleaning.

Inspection:

- Periodically inspect the carbon crank arms for any signs of damage, cracks, or delamination. If damage is found, discontinue use immediately and consult a qualified bicycle mechanic.
- Check chainring teeth for excessive wear (e.g., shark-finning). Replace worn chainrings to maintain shifting performance and prevent chain slip.
- Ensure all bolts (crank bolt, chainring bolts) are torqued to specification.

Lubrication:

- Ensure your bottom bracket bearings are running smoothly. If they feel rough or gritty, they may need servicing or replacement.
- Apply a small amount of grease to pedal threads before installing pedals to prevent seizing.

6. TROUBLESHOOTING

Common Issues and Solutions:

Problem	Possible Cause	Solution
---------	----------------	----------

Problem	Possible Cause	Solution
Creaking noise from crank area	Loose crank bolt, dry bottom bracket threads, worn bottom bracket bearings, loose chainring bolts.	Check and re-torque crank bolt and chainring bolts. Remove, clean, grease, and re-install bottom bracket. Replace worn bottom bracket bearings.
Crank arms feel loose or have play	Loose crank bolt, incorrect bottom bracket spacers (if applicable).	Re-torque crank bolt to specification. Consult your bottom bracket instructions for correct spacer configuration.
Poor shifting performance (front)	Worn chainring, incorrect chain line, misaligned front derailleur.	Inspect and replace worn chainring. Verify correct chain line. Adjust front derailleur.

If you encounter issues not listed here or are unable to resolve a problem, please consult a qualified bicycle mechanic or contact SRAM customer support.

7. SPECIFICATIONS

Attribute	Value
Brand	SRAM
Model	Force AXS D1 Crankset
Crank Arm Material	Carbon Fiber
Spindle Interface	SRAM DUB
Chainring Mount	Direct Mount SRAM 8-bolt
Intended Use	Road Cycling
Crank Length (as per product data)	172.5 mm (Note: Specific length may vary by product variant)
Weight (approx.)	900 grams (as per product data, may vary with chainring/BB)

8. WARRANTY AND SUPPORT

SRAM products are covered by a limited warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the official SRAM website or the warranty information provided with your purchase. Keep your proof of purchase for warranty claims.

For technical support, service, or warranty inquiries, please contact your authorized SRAM dealer or visit the official SRAM website for contact information in your region.

Always ensure that any service or repair work is performed by a qualified bicycle mechanic to maintain product integrity and warranty validity.

