Cannondale KP021

Cannondale Hollowgram Spider Lockring KP021 Instruction Manual

Model: KP021

Brand: Cannondale

INTRODUCTION

This manual provides essential information for the proper installation and use of the Cannondale Hollowgram Spider Lockring KP021. This component is designed to securely fasten the spider to the crankarm on compatible Cannondale Hollowgram cranksets.

COMPATIBILITY

The KP021 lockring is compatible with all Cannondale BB30 Hollowgram cranks.
It is specifically redesigned to fit Cannondale Evo models with press-fit bottom brackets. Previous lockring versions are not compatible with Evo models.

PRODUCT OVERVIEW

The Cannondale Hollowgram Spider Lockring KP021 is an alloy component critical for securing the crank spider.

Image Description: A close-up view of the black alloy Cannondale Hollowgram Spider Lockring KP021. The lockring is circular with cutouts for a specialized tool. Engraved text on the lockring reads "SI Hollowgram Lockring MK3 - for PressFit30 - Torque 34ftlbs - 47 Nm - D11", indicating its model, compatibility, and required torque specifications.

INSTALLATION INSTRUCTIONS

Proper installation is crucial for the safe and effective operation of your bicycle crankset.

Required Tools and Materials:

- Cannondale KT012 Lockring Tool (required for installation and removal)
- Loctite (not included, required for secure installation)
- Torque Wrench

Installation Steps:

1. Ensure all crankset components are clean and free of debris.
2. Apply Loctite to the threads of the lockring as per Loctite manufacturer instructions.
3. Position the spider onto the crankarm.
4. Thread the KP021 lockring onto the crankarm, securing the spider.
5. Use the Cannondale KT012 Lockring Tool with a torque wrench to tighten the lockring to the specified torque.
6. The engraved torque specification on the lockring is **34 ft-lbs (47 Nm)**. Adhere strictly to this value.
7. Allow the Loctite to cure according to its instructions before riding.

Warning: Failure to use Loctite and tighten to the correct torque specification can result in component failure, leading to serious injury. If you are unsure about any step, consult a professional bicycle mechanic.

OPERATION

Once correctly installed, the lockring functions passively to secure the crank spider. No further operational steps are required beyond regular cycling use.

MAINTENANCE

Regular inspection of your crankset components, including the lockring, is recommended.

- Periodically check the lockring for any signs of loosening. If loosening is detected, remove, clean, reapply Loctite, and re-torque to specifications.
- Inspect for any visible damage, cracks, or wear. Replace the lockring if any damage is observed.
- Keep the area around the crankset clean to prevent dirt and grime buildup.

TROUBLESHOOTING

Issue: Crank spider feels loose or has play.

Possible Cause: Lockring is not sufficiently tightened or Loctite has failed.
Solution: Remove the lockring, clean threads, reapply Loctite, and re-torque to 34 ft-lbs (47 Nm) using the KT012 tool. If the issue persists, inspect the crankarm and spider for damage.

Issue: Difficulty installing or removing the lockring.

Possible Cause: Incorrect tool being used or threads are damaged.
Solution: Ensure you are using the specific Cannondale KT012 Lockring Tool. If threads appear damaged, do not force the component; seek professional assistance.

SPECIFICATIONS

Feature	Detail
Model	KP021
Brand	Cannondale
Material	Alloy
Compatibility	All Cannondale BB30 Hollowgram cranks, Cannondale Evo (Press-Fit BB)
Required Tool	Cannondale KT012 Lockring Tool
Recommended Torque	34 ft-lbs (47 Nm)

WARRANTY AND SUPPORT

For information regarding warranty coverage or technical support, please refer to the official Cannondale website or contact an authorized Cannondale dealer. Keep your purchase receipt as proof of purchase.
Online Resources: www.cannondale.com