

TRiPEAK EMA-JW1218A-SRGDAXS

TRiPEAK 12/18T Oversized Ceramic Bearing Jockey Wheel Pulley Set User Manual

For SRAM AXS Force/Rival 12 Speed Rear Derailleurs

1. INTRODUCTION

Thank you for choosing the TRiPEAK 12/18T Oversized Ceramic Bearing Jockey Wheel Pulley Set. This product is engineered to enhance the performance of your bicycle's drivetrain by reducing friction and improving shifting precision. Featuring advanced ceramic bearings and a durable design, this pulley set is a premium upgrade for compatible rear derailleurs.

This manual provides essential information for the proper installation, operation, and maintenance of your new pulley set. Please read it thoroughly before installation to ensure optimal performance and longevity of the product.

2. SAFETY INFORMATION

Always prioritize safety when working on your bicycle. Improper installation or maintenance can lead to component failure and potential injury.

- Ensure your bicycle is stable and secure before beginning any work.
- Use appropriate tools for installation and removal.
- If you are unsure about any step, consult a professional bicycle mechanic.
- Keep small parts away from children.
- Wear appropriate safety gear, such as gloves and eye protection, if necessary.

3. COMPATIBILITY

This TRiPEAK 12/18T Oversized Ceramic Bearing Jockey Wheel Pulley Set is specifically designed for use with:

- **SRAM AXS Force 12-Speed Rear Derailleurs**
- **SRAM AXS Rival 12-Speed Rear Derailleurs**

It is crucial to verify your derailleur model before installation to ensure proper fit and function. This pulley set is not compatible with other derailleur brands or models unless explicitly stated by TRiPEAK.

4. PACKAGE CONTENTS

Upon opening the package, please verify that all components are present and undamaged:



Image: Contents of the TRiPEAK pulley set package, including the two jockey wheels, a small bottle of lubricant, and a sticker.

- 1 x 12-Tooth Upper Jockey Wheel (with ceramic bearing)
- 1 x 18-Tooth Lower Jockey Wheel (with ceramic bearing)
- 1 x Small bottle of lubricant (for ceramic bearings)
- 1 x TRiPEAK sticker (may vary)

5. SETUP AND INSTALLATION

This section outlines the steps for installing your TRiPEAK Oversized Ceramic Bearing Jockey Wheel Pulley Set. It is recommended to have a bicycle repair stand for easier access.

5.1 Tools Required

- Hex wrench (size appropriate for your derailleur's pulley bolts, typically 2.5mm or 3mm)
- Clean rag
- Degreaser (optional, for cleaning old pulleys/cage)

5.2 Installation Steps

1. **Prepare the Bicycle:** Place your bicycle on a repair stand. Shift the chain to the smallest cog on the cassette and the smallest chainring to reduce chain tension.
2. **Remove Old Pulleys:** Using the appropriate hex wrench, carefully loosen and remove the bolts securing the existing upper and lower jockey wheels on your rear derailleur cage. Note the orientation of the old pulleys as you remove them.
3. **Clean Derailleur Cage:** Thoroughly clean the derailleur cage, especially the areas where the new pulleys will be installed, to remove any dirt, grease, or debris.
4. **Identify New Pulleys:** The TRiPEAK set includes a 12-tooth upper pulley and an 18-tooth lower pulley. The 12-tooth pulley is typically smaller and marked for the upper position, while the 18-tooth pulley is larger and marked for the lower position. Ensure correct identification.



Image: Close-up of the TRiPEAK 12-tooth upper pulley and 18-tooth lower pulley, showing their distinct sizes and markings.

5. **Install Upper Pulley:** Position the 12-tooth upper pulley into the upper position of the derailleur cage. Ensure the directional arrows (if present) on the pulley align with the chain's rotation. Insert the bolt and hand-tighten.
6. **Install Lower Pulley:** Position the 18-tooth lower pulley into the lower position of the derailleur cage. Again, ensure directional arrows align. Insert the bolt and hand-tighten.

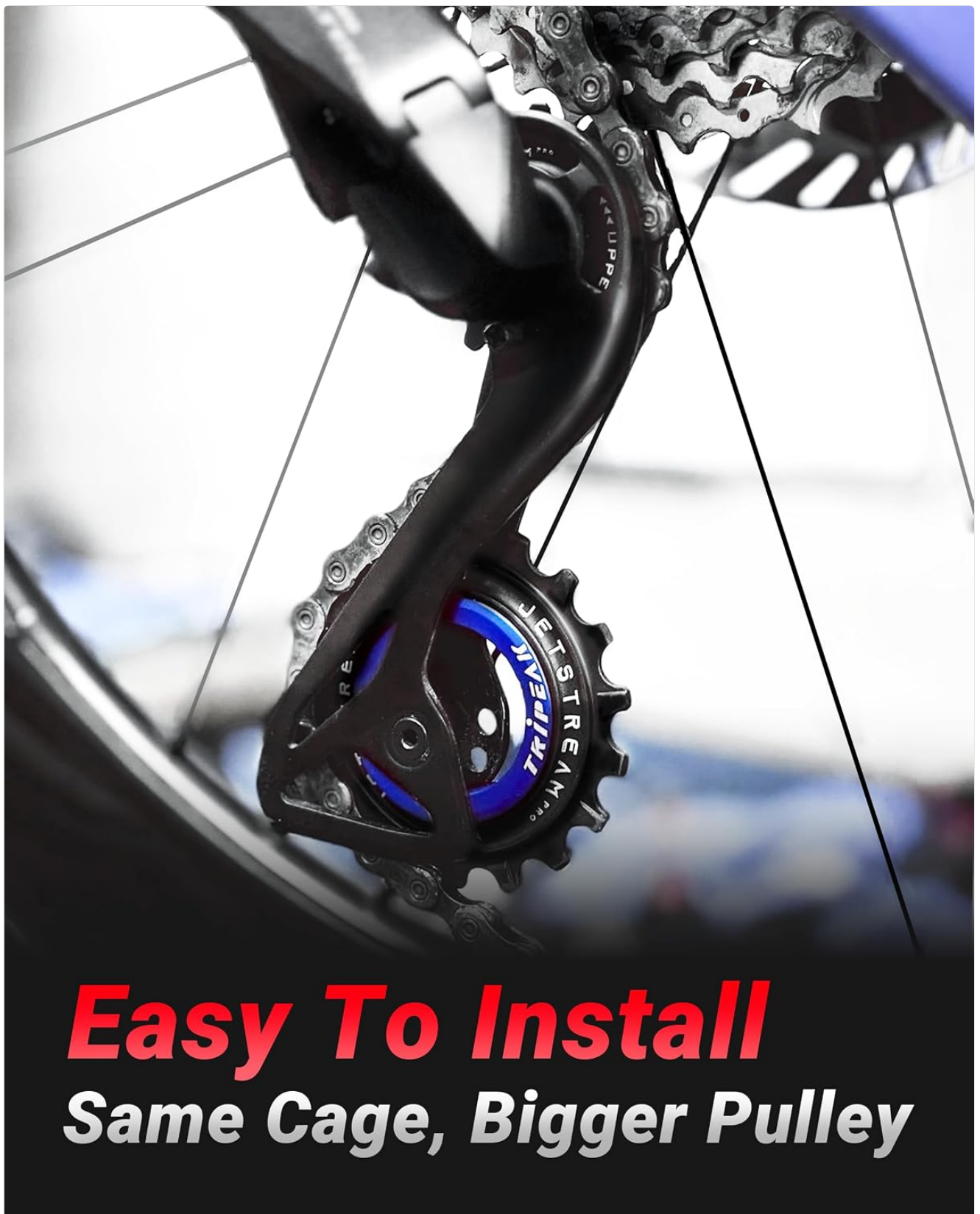


Image: The TRIPEAK oversized pulley installed on a bicycle's rear derailleur, demonstrating its fit within the existing cage.

7. **Tighten Bolts:** Using the hex wrench, tighten both pulley bolts. Refer to your derailleur manufacturer's specifications for the correct torque values. Do not overtighten, as this can damage the pulleys or cage.
8. **Check Chain Routing:** Ensure the chain is correctly routed through the new pulleys and the derailleur cage.
9. **Test Shifting:** Gently spin the cranks and shift through all gears to confirm smooth operation and proper chain tension. Make any necessary derailleur adjustments.



Image: Technical diagram illustrating the 12/18T asymmetric pulley design, highlighting easy installation with the original cage, oversized design for friction reduction, and narrow-wide tooth profile.

6. OPERATION

Once installed, your TRiPEAK Oversized Ceramic Bearing Jockey Wheel Pulley Set will operate seamlessly with your SRAM AXS Force/Rival 12-speed rear derailleur. The oversized design and ceramic bearings are engineered to provide:

- **Reduced Friction:** Ceramic bearings offer significantly lower rolling resistance compared to traditional steel bearings, leading to a more efficient drivetrain.
- **Improved Shifting Precision:** The precise tooth profiling and stable rotation contribute to crisp and accurate gear changes.
- **Enhanced Durability:** High-quality materials and construction ensure a long lifespan even under demanding cycling conditions.

Smooth Shift & Stable Riding



▲ **NCT Ceramic Bearing**
(Nano Coated Technology)

▼ **Narrow Wide Tooth**

Image: Close-up of the pulley wheel highlighting "Smooth Shift & Stable Riding" features, specifically pointing out the NCT Ceramic Bearing (Nano Coated Technology) and Narrow Wide Tooth design.

7. MAINTENANCE

Regular maintenance will ensure the optimal performance and longevity of your TRiPEAK pulley set.

- **Cleaning:** Periodically clean the jockey wheels and derailleur cage to remove accumulated dirt and grime. Use a soft brush and a bicycle-specific degreaser. Rinse thoroughly and dry.

- **Lubrication:** The ceramic bearings are designed for low friction. Apply a small drop of the provided lubricant (or a high-quality ceramic bearing specific lubricant) to the bearings every few hundred kilometers or after riding in wet conditions. Do not over-lubricate.



Image: A collection of small, spherical ceramic bearing balls, illustrating the core component of the low-friction bearings.

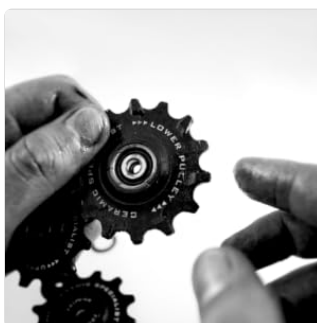


Image: Hands holding a jockey wheel, demonstrating the process of applying lubricant to the bearing area.

- **Inspection:** Regularly inspect the pulleys for any signs of wear, damage, or excessive play. Replace if necessary.

8. TROUBLESHOOTING

If you encounter issues after installing your TRiPEAK pulley set, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Noisy Pulleys	Lack of lubrication, dirt/debris, incorrect installation, worn bearings.	Clean and lubricate pulleys. Check for proper installation and alignment. Inspect bearings for wear.
Poor Shifting Performance	Incorrect derailleur adjustment, chain wear, incorrect pulley installation.	Verify derailleur limit screws and B-tension. Check chain for wear. Ensure pulleys are installed correctly and tightened to spec.
Chain Rubbing on Cage	Incorrect B-tension adjustment, bent derailleur hanger, incorrect pulley size.	Adjust B-tension screw. Check derailleur hanger alignment. Confirm correct pulley set for your derailleur model.

If problems persist, please contact TRiPEAK customer support or consult a professional bicycle mechanic.

9. SPECIFICATIONS

Key specifications for the TRiPEAK 12/18T Oversized Ceramic Bearing Jockey Wheel Pulley Set:

Feature	Detail
Model Number	EMA-JW1218A-SRGDAXS

Feature	Detail
Upper Pulley Teeth	12T
Lower Pulley Teeth	18T
Bearing Type	Ceramic (NCT - Nano Coated Technology)
Material	Alloy Steel (Cage), Ceramic (Bearings)
Compatibility	SRAM AXS Force/Rival 12 Speed Rear Derailleurs
Color	Gold
Item Package Dimensions	7 x 4 x 1 inches
Package Weight	0.6 Pounds

Note: The product is available in various colors. The specific color of this model is Gold.

10 Different Colors



Image: A display of TRiPEAK jockey wheel sets in ten different color options, showcasing the variety available.

10. WARRANTY AND SUPPORT

TRiPEAK stands behind the quality of its products. For information regarding warranty coverage, returns, or technical support, please refer to the official TRiPEAK website or contact their customer service directly.

For further assistance, you may also contact the retailer from whom you purchased this product.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question