

GREHUA GR-80ZJQ-S

GREHUA Chain Tensioner Adjuster for Motorized Bicycles (Model GR-80ZJQ-S) - Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the GREHUA Chain Tensioner Adjuster, Model GR-80ZJQ-S. This component is designed to ensure proper chain alignment and consistent tension for motorized bicycles, contributing to extended chain life and reliable performance. It is an essential part of the drive system for compatible engines.

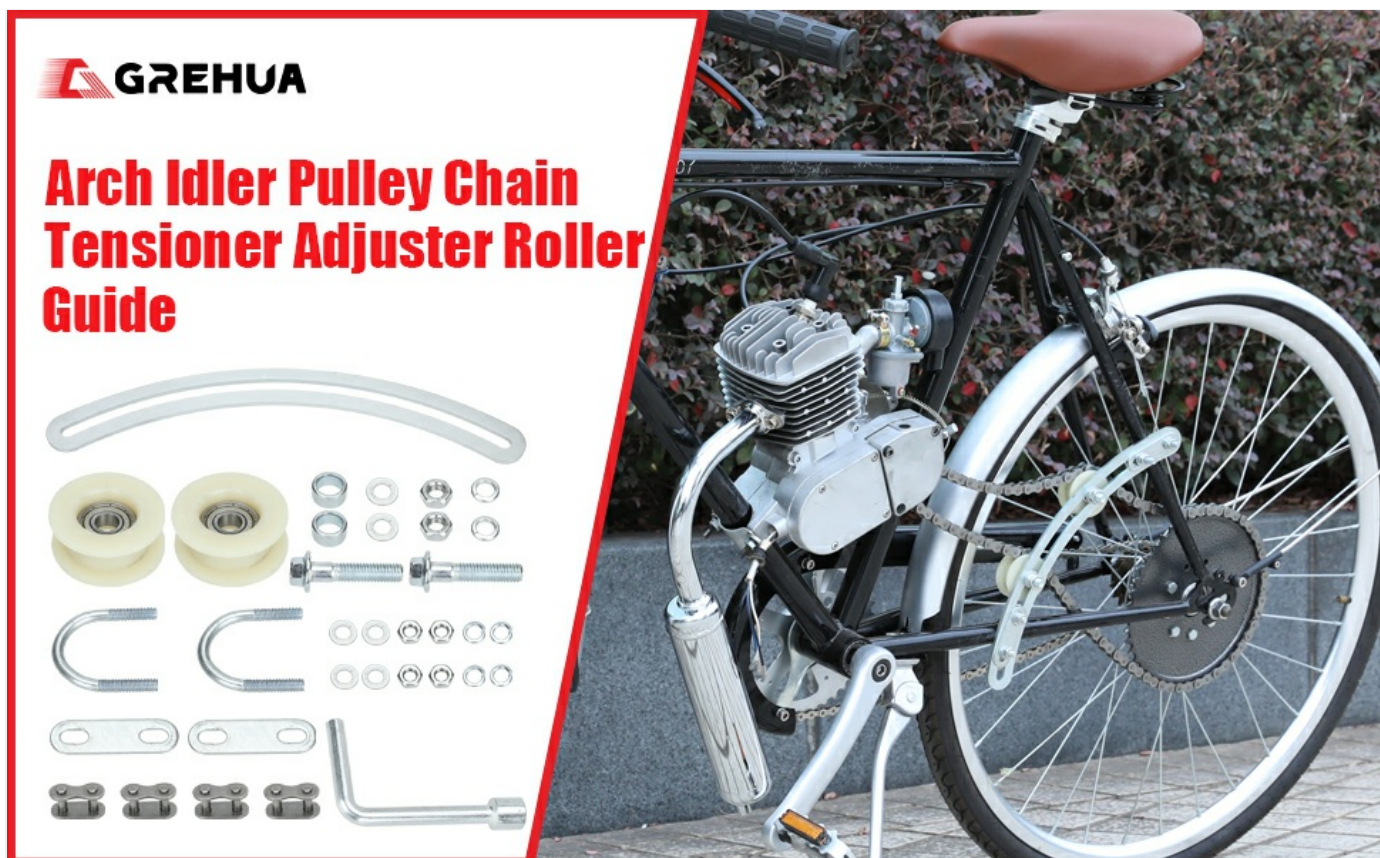


Image 1.1: Overview of the GREHUA Chain Tensioner Adjuster kit alongside a motorized bicycle.

2. COMPATIBILITY

The GREHUA Chain Tensioner Adjuster is compatible with various 2-stroke motorized bicycle engines. This includes:

- 48cc engines
- 49cc engines
- 50cc engines
- 60cc engines
- 66cc engines
- 80cc engines

It is designed for use with motorized bicycle mountain bikes. Please verify your engine size and bicycle type before installation.

3. PACKAGE CONTENTS

Upon opening the package, ensure all the following components are present:

- 1 x Arch Idler Pulley Chain Tensioner Kit (main bracket)
- 4 x Master Links
- 1 x Wrench
- Associated nuts, bolts, washers, and U-bolts for assembly

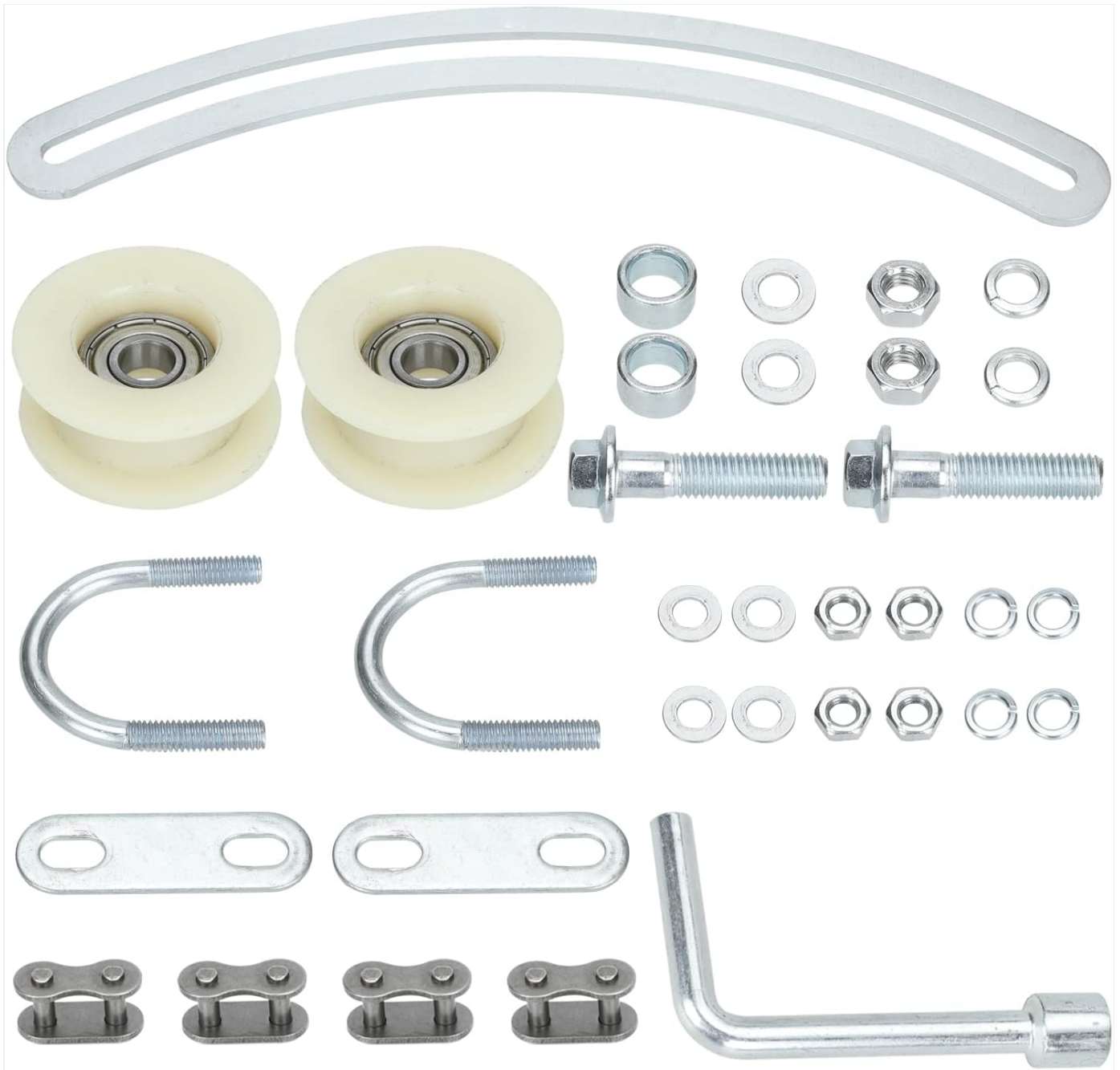


Image 3.1: Complete set of components included in the GREHUA Chain Tensioner Adjuster kit.

4. SETUP AND INSTALLATION

Proper installation of the chain tensioner is crucial for safety and performance. Follow these steps carefully:

1. **Prepare the Bicycle:** Ensure the motorized bicycle is stable and secure, preferably on a stand. Disconnect the spark plug wire for safety.
2. **Identify Mounting Location:** The arch idler pulley chain tensioner typically mounts to the bicycle frame near the rear wheel, allowing the rollers to guide the chain.
3. **Assemble Rollers:** Attach the idler pulleys to the arch bracket using the provided bolts, washers, and nuts. Ensure the rollers spin freely.
4. **Mount the Bracket:** Use the U-bolts and associated hardware to secure the arch bracket to the bicycle frame. Position it so the rollers align with the chain path.



Image 4.1: Detail of the tensioner rollers and U-bolt mounting hardware.

5. **Adjust Chain Tension:** Once the bracket is mounted, route the chain over the idler pulleys. Adjust the position of the bracket and/or rollers to achieve optimal chain tension. The chain should have minimal slack but not be overly tight.



Image 4.2: The chain tensioner installed on a motorized bicycle, showing chain routing.

6. **Secure All Fasteners:** Double-check that all nuts, bolts, and U-bolts are securely tightened. It is recommended to use additional washers if necessary to prevent hardware from stripping or loosening under vibration.
7. **Final Inspection:** Manually rotate the rear wheel to ensure the chain moves smoothly through the tensioner without binding or excessive noise.

Note: Some users have reported that the included hardware may benefit from replacement with higher-grade components or the addition of larger washers for improved durability and to prevent stripping during tightening. Always ensure fasteners are adequately secured without over-tightening.

5. OPERATION

The GREHUA Chain Tensioner Adjuster functions by providing a consistent point of contact and guidance for the drive chain. Its arch design and idler pulleys maintain optimal chain tension throughout the operation of the motorized bicycle. This constant tension prevents chain slack, reduces the risk of chain derailment, and minimizes wear on both the chain and sprockets. The tensioner ensures smooth power transfer from the engine to the rear wheel.



Image 5.1: The chain tensioner actively guiding the chain on a motorized bicycle.

6. MAINTENANCE

Regular maintenance will prolong the life of your chain tensioner and ensure safe operation:

- **Inspect Regularly:** Periodically check the tensioner for any signs of wear, damage, or loose components. Pay close attention to the idler pulleys for smooth rotation and the bracket for cracks or bends.
- **Check Chain Tension:** Ensure the chain tension remains appropriate. Adjust as needed by loosening the mounting hardware, repositioning the bracket, and re-tightening.
- **Clean Components:** Keep the idler pulleys and the chain free from dirt, grime, and debris. A clean chain and tensioner operate more efficiently and last longer.
- **Lubricate:** Apply a suitable chain lubricant to the bicycle chain and ensure the idler pulley bearings are free-spinning. Avoid over-lubrication, which can attract dirt.
- **Hardware Check:** Verify that all nuts and bolts remain tight. Vibrations from engine operation can cause fasteners to

loosen over time.



Image 6.1: Detail of the idler pulleys, which should be regularly inspected and kept clean.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Chain slips or derails	Insufficient chain tension; Worn chain or sprockets; Misaligned tensioner.	Adjust tensioner for proper chain tension. Inspect and replace worn chain/sprockets. Realign tensioner bracket.
Tensioner rollers not spinning freely	Dirt/debris in bearings; Damaged bearings; Over-tightened bolts.	Clean rollers and bearings. Replace damaged rollers/bearings. Loosen bolts slightly, ensuring they remain secure.

Problem	Possible Cause	Solution
Tensioner bracket loosens or shifts	U-bolts or mounting hardware not tightened sufficiently; Hardware stripping.	Re-tighten all mounting hardware. Consider using thread-locking compound. If hardware is stripping, replace with higher-quality bolts and nuts.
Excessive noise from tensioner	Lack of lubrication; Misalignment; Worn rollers or chain.	Lubricate chain and rollers. Check alignment. Inspect and replace worn components.

8. SPECIFICATIONS

- **Model:** GR-80ZJQ-S
- **Brand:** GREHUA
- **Item Weight:** Approximately 14 ounces (0.4 kg)
- **Package Dimensions:** Approximately 12.52 x 3.43 x 1.81 inches (31.8 x 8.7 x 4.6 cm)
- **Exterior Finish:** Machined
- **Compatibility:** 2-stroke 48cc, 49cc, 50cc, 60cc, 66cc, 80cc motorized bicycle engines

9. WARRANTY AND SUPPORT

For warranty information or technical support regarding your GREHUA Chain Tensioner Adjuster, please refer to the retailer where the product was purchased or contact GREHUA directly through their official channels. Keep your purchase receipt as proof of purchase.

For additional assistance, you may visit the [GREHUA Store on Amazon](#).

