

Keenso Keensog2yc5gf36b-01

Keenso Motorcycle Anti-lock Braking System (ABS) Auxiliary Unit

USER MANUAL

1. Introduction

This Keenso Motorcycle Anti-lock Braking System (ABS) Auxiliary Unit is a universal component designed to enhance the safety and control of your motorcycle or electric vehicle during braking. Constructed from high-quality aluminum alloy, it is engineered for durability and rust resistance. The system works to prevent wheel lock-up, reduce skidding, and shorten braking distances, thereby improving overall braking performance and reducing tire wear.

This manual provides essential information regarding the installation, operation, and maintenance of your ABS auxiliary unit. Please read it thoroughly before installation and use.

2. Product Overview



Figure 2.1: Main components of the Keenso ABS Auxiliary Unit, showing the main black unit with an orange cap and a separate silver screw adapter.



Figure 2.2: Two views of the Keenso ABS Auxiliary Unit, highlighting its compact design and connection points.

The Keenso ABS Auxiliary Unit consists of the main ABS module and a connecting screw adapter. It is designed for easy integration into existing brake systems.

3. Installation Guide

Important: Installation should ideally be performed by a qualified mechanic. Incorrect installation can lead to brake system failure and serious injury.

1. **Verify Compatibility:** Before purchasing and installing, measure the specifications of the pipe screws on your original vehicle's brake system. The ABS pump connection screw diameter is **10 mm x 1.25** with orthodontic (coarse) threads. Ensure your vehicle's brake system is compatible.
2. **Prepare for Installation:** Ensure the motorcycle is stable and the brake system is depressurized. Gather necessary tools.
3. **Direct Installation:** If compatible, the ABS unit can be screwed directly onto the brake caliper bracket.
4. **Alternative Installation (if needed):** If direct installation is not possible, you may need to use a 10 x 1.25 mm threaded drill to modify the brake caliper bracket to accommodate the ABS unit.
5. **Secure Connection:** Ensure all connections are tight and secure to prevent leaks.
6. **Bleed Brake System:** After installation, it is crucial to properly bleed the brake system to remove any air that may have entered, ensuring proper brake function.
7. **Test Brakes:** Before riding, perform static and low-speed dynamic tests of the brakes in a safe area to confirm proper operation.



Figure 3.1: Illustrative image showing the ABS auxiliary unit in a potential installation setting, highlighting its connection point.



Figure 3.2: An angled view of the ABS unit, showing the threaded connection point for installation.

4. Operating Principles

The Keenso ABS Auxiliary Unit is designed to improve braking safety by preventing the wheels from locking up during sudden or hard braking. This system offers several key benefits:

- **Reduced Skidding:** In emergency braking situations or on slippery surfaces, the ABS unit helps prevent the wheels from locking, significantly reducing the risk of skidding and loss of control.
- **Improved Motorcycle Control:** With ABS, the rider maintains better steering control during emergency braking, allowing for timely adjustments to avoid obstacles or hazards.
- **Reduced Tire Wear:** By preventing wheel lock-up, the ABS system minimizes the severe, irreparable damage to tires that can occur during emergency braking, thereby extending tire life.
- **Shortened Braking Distance:** The ABS system allows the wheel to continue rolling and gripping the road, maintaining optimal friction between the tire and the ground. This results in a more effective braking process and a shorter stopping distance compared to conventional braking systems in emergency situations.

After installation, you may notice that the brakes (both hand lever and foot pedal) feel softer. This is a normal characteristic of the ABS system, indicating its readiness to modulate braking force. In certain situations, the likelihood of wheel lock-up is significantly reduced.

5. Maintenance

To ensure the longevity and optimal performance of your Keenso ABS Auxiliary Unit and your motorcycle's braking system, follow these general maintenance guidelines:

- **Regular Inspection:** Periodically inspect the ABS unit and its connections for any signs of damage, leaks, or corrosion. Ensure all bolts are securely tightened.
- **Brake Fluid Check:** Regularly check your motorcycle's brake fluid level and condition. Replace brake fluid according to your motorcycle manufacturer's recommendations.
- **Cleanliness:** Keep the ABS unit and surrounding brake components clean from dirt, grime, and road debris.
- **Professional Servicing:** For any complex issues or routine brake system maintenance, it is highly recommended to consult a professional motorcycle mechanic.

6. Troubleshooting

While the Keenso ABS Auxiliary Unit is designed for reliable performance, if you encounter any issues with your braking system after installation, consider the following:

- **Soft or Spongy Brakes:** This could indicate air in the brake lines. Ensure the brake system has been properly bled after installation. If the issue persists, re-bleed the system or seek professional assistance.
- **Brake Fluid Leaks:** Immediately check all connections around the ABS unit and brake lines for any signs of leakage. Tighten loose connections or replace damaged components. Do not ride the motorcycle if there is a brake fluid leak.
- **Unusual Noises During Braking:** Investigate the source of the noise. It could be related to brake pads, rotors, or other brake components, not necessarily the ABS unit itself.

For any persistent or severe issues, it is strongly advised to consult a certified motorcycle mechanic. Do not attempt repairs if you are not confident in your abilities, as brake system malfunctions can lead to serious accidents.

7. Specifications



Figure 7.1: Detailed dimensions of the Keenso ABS Auxiliary Unit and its screw adapter.

Feature	Detail
Brand	Keenso
Model Number	Keensog2yc5gf36b-01
ASIN	B07RLWF2MP
Material	Aluminum Alloy
Color	Black
Product Dimensions (L x W x H)	7.01 x 5 x 2.01 cm
Item Weight	49.9 g
Compatibility	Universal for most motorcycles and electric vehicles (check screw specifications)
Connection Screw Diameter	10 mm x 1.25 (Orthodontic/Coarse Thread)

8. Warranty and Support

Keenso is committed to professional manufacturing and guaranteed service. If you have any questions or encounter issues with this product, please contact Keenso customer support. Refer to your purchase documentation for specific warranty terms and contact information.

For further assistance, you may visit the official Keenso store on Amazon: [Keenso Store](#).