

## BUCKLOS GRVS 1 1/8 700C Gravel Road Bike Air Suspension Fork, 40mm Travel 28.6mm Threadless Tapered Tube, 100 \* 12mm Thru Axle,

# BUCKLOS GRVS 1 1/8 700C Gravel Road Bike Air Suspension Fork Instruction Manual

MODEL: GRVS 1 1/8 700C GRAVEL ROAD BIKE AIR SUSPENSION FORK

Brand: BUCKLOS

## 1. INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your BUCKLOS GRVS 1 1/8 700C Gravel Road Bike Air Suspension Fork. Please read this manual thoroughly before use to ensure proper function and safety.

## 2. SAFETY INFORMATION

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- Always wear appropriate safety gear, including a helmet, when riding.
- Ensure all components are correctly installed and tightened according to specifications before riding.
- Regularly inspect the fork for any signs of damage, wear, or loose components. Do not ride with a damaged fork.
- Adjust air pressure and damping settings only when the bicycle is stationary and stable.
- Seek professional assistance if you are unsure about any installation or maintenance procedures.

## 3. PRODUCT OVERVIEW AND FEATURES

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The BUCKLOS GRVS Air Suspension Fork is designed for gravel and road bikes, offering 40mm of travel and a manual lockout feature for varied terrain.

## Applicable Models



**Applicable Models:** This image illustrates the fork's compatibility with 27.5"/29" wheels, 28.6mm (1 1/8") threadless tapered steerer, 15mm thru axle, 110mm spacing, and 70mm disc brake mount.



**Function Details:** Highlights key features including the aluminum alloy construction, ABS adjustment, air chamber, brake line fixed buckle, 12mm thru axle skewer, and rebound adjustment.



**Fork Size:** Provides detailed dimensions including steerer tube length (220mm), travel (40mm), travel diameter (32mm), and overall length (696mm).



**Tapered Steerer:** Shows the 28.6mm (1.13in) top and 39.8mm (1.57in) bottom diameter of the tapered steerer, indicating compatibility only with tapered frames. Crown race is not included.



**Damping Adjustment:** Allows adjustment for faster or slower rebound speed to match various road conditions.



**Air Chamber:** Utilizes gas as a rebound medium to adjust the shock absorbing effect. Features a CNC protective cover for the gas valve.



**Manual Lockout:** Provides a shock-absorbing stroke free lock, allowing the fork to be locked or opened to adapt to various road surfaces, enhancing efficiency.



**Ingenious Design:** Includes fender mounting holes, a design optimized for shorter travel, and a brake cable fixed buckle to manage the brake line.



**Brake Support:** Adopts the international A-pillar standard for direct loading of disc brakes, with a 70mm disc brake interface length.



**Fork Weight:** The fork weighs approximately 1716 grams (3.78 lbs), contributing to a lightweight setup.

## 4. INSTALLATION GUIDE

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Proper installation is crucial for the performance and safety of your suspension fork. Follow these steps carefully.

[Your browser does not support the video tag.](#)

**Video: BUCKLOS Gravel Bike Air Suspension Fork Installation.** This video demonstrates the complete installation process for the suspension fork on a bicycle frame.

### Step-by-Step Installation:

1. **Insert Steerer Tube:** Carefully insert the steerer tube of the fork into the head tube of the bicycle frame.
2. **Install Headset:** Install the headset components in the correct order, ensuring proper seating.
3. **Place Washers:** Add headset spacers (washers) above the headset to achieve the desired handlebar height.
4. **Install Bike Stem:** Slide the bike stem onto the steerer tube.
5. **Place Headset Top Cap:** Place the headset top cap on top of the stem.
6. **Tighten Stem Bolt:** Tighten the steel stem bolt to secure the headset and stem.
7. **Install Front Wheel:** Mount the front wheel into the fork dropouts.
8. **Insert Thru Axle:** Insert the thru axle through the fork and wheel hub.
9. **Tighten Thru Axle:** Securely tighten the thru axle.
10. **Install Brake Calipers:** Attach the brake calipers to the front fork brake column.
11. **Secure Brake Cable:** Secure the brake cable to the fork crown using the provided cable holder to prevent rubbing against the tire or inner tube.

## 5. OPERATING INSTRUCTIONS

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Understand how to adjust your fork for optimal riding performance.

[Your browser does not support the video tag.](#)

**Video: BUCKLOS GRVS Gravel Air Suspension Fork Riding Performance.** This video demonstrates the fork's performance and the use

of its manual lockout feature during riding.

## Manual Lockout:

The fork features a manual lockout mechanism. Turn the red compression knob on the top of the fork to lock or unlock the suspension. Locking the fork provides a more rigid ride, suitable for smooth surfaces or climbing, while unlocking allows for full suspension travel on rough terrain.

## Air Pressure Adjustment:

The air chamber allows for adjustment of the fork's stiffness. Refer to the air pressure guide sticker on the fork leg to set the appropriate air pressure based on your weight and riding preferences. Use a compatible high-pressure shock pump to add or release air. Always ensure the air valve cap is securely replaced after adjustment.

## Damping Adjustment:

The damping adjustment knob, typically located at the bottom of the fork leg, controls the rebound speed. Turn the knob to adjust how quickly the fork returns to its extended position after compression. Adjusting this allows you to fine-tune the fork's response to different terrains and riding styles.

## 6. MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your suspension fork.

- **Cleaning:** After each ride, especially in wet or dusty conditions, clean the fork stanchions and seals with a soft cloth and mild soap and water. Avoid high-pressure washing directly on seals.
- **Lubrication:** Apply a small amount of suspension-specific lubricant to the stanchions periodically to keep the seals supple and reduce friction.
- **Inspection:** Regularly check for any leaks, cracks, dents, or unusual play in the fork. Ensure all bolts are tightened to the manufacturer's recommended torque specifications.
- **Air Pressure Check:** Check the air pressure before each ride and adjust as needed based on your weight and riding conditions.
- **Professional Service:** For internal maintenance, such as seal replacement or damper service, it is recommended to consult a professional bicycle mechanic.

## 7. TROUBLESHOOTING

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Here are some common issues and their potential solutions:

- **Fork feels too stiff/soft:** Adjust the air pressure in the air chamber according to your weight and riding style.
- **Fork not locking out:** Ensure the manual lockout knob is fully engaged. Check for any internal damage if the issue persists.
- **Poor rebound performance:** Adjust the damping knob to a faster or slower setting as desired.
- **Oil leaks around seals:** Small amounts of oil are normal, but excessive leakage may indicate worn seals. Consult a professional for seal replacement.
- **Unusual noises:** Inspect all bolted connections for tightness. If noises persist, seek professional inspection.

## 8. SPECIFICATIONS

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Feature	Specification
Item Package Dimensions L x W x H	32.1 x 7.3 x 4.1 inches
Package Weight	4.7 Pounds
Item Weight	4.7 Pounds
Brand Name	BUCKLOS
Color	BLACK-700C
Material	Aluminum
Suggested Users	unisex-adult
Manufacturer	BUCKLOS
Size	700C
Date First Available	May 21, 2024

## 9. WARRANTY AND SUPPORT

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For warranty information or technical support, please refer to the product packaging or contact BUCKLOS customer service directly. Keep your purchase receipt for warranty claims.