

e-Spec  
**WOLF**



## **Wolf Performance Air Suspension Manual for Cyberbike Electric Mountain Bikes**

### **Introduction**

The Wolf Performance Air Suspension on your Cyberbike is designed to enhance the riding experience on your Cyberbike electric mountain bike. It features both air and oil damping air pressure preload, compression adjustment, lockout, and rebound damping to adapt to varying terrains and rider preferences.

### **Ensure Your Shock is Ready to Ride:**

Clean the outside of your shock with mild soap and water. Wipe dry with a soft rag. Avoid solvents or de-greasers, as they can damage the shock's exterior finish. Do not use a high-pressure washer or spray water directly at the seal/shock body junction.

### **Inspect Your Shock:**

Check the exterior for any signs of damage.

### **Pre-Ride Checks:**

Ensure thru-axles are properly adjusted and tightened.  
Check headset adjustment and tightness.  
Confirm all brake cables or hoses are securely fastened.  
Test the proper operation of your front and rear brakes on level ground.

# Forks

## Air Pressure Preload Adjustment for Wolf Performance Air Suspension

Adjusting the air pressure preload in your Wolf Performance Air Suspension is crucial for optimizing performance and comfort during rides. Begin with a baseline pressure and adjust according to your weight and riding conditions.

- For Riders around 170 lbs: Start with approximately 165 PSI.
- Weight Adjustment Guide:
  - Under 150 lbs: Begin with around 140 PSI.
  - 150-170 lbs: Start with 165 PSI as a baseline.
  - 170-190 lbs: Increase to about 185 PSI.
  - Over 190 lbs: Start at 205 PSI and adjust as needed.

Remember, these are starting points. Fine-tune the pressure based on your specific riding style, preference, and the terrain you're navigating. Always use a high-pressure shock pump for adjustments and check the suspension's performance during your ride to make further refinements.

### Adjusting Air Pressure Preload

- Step 1: Locate the air valve on the top of the left fork tube.
- Step 2: Use a high-pressure shock pump to adjust the air pressure according to your weight and riding style.

Setting the Sag:

After initially adjusting the air pressure, and for best performance, set the sag properly to ensure optimal performance of your MTB fork:

- Fully Extend the Fork: Start with the fork fully extended by standing along your Cyberbike, unweighted other than the bike itself and any accessories.

- Assume Riding Position: Sit on the bike in your usual riding position, with someone's assistance to balance or against a wall.
- Measure Sag: Measure how much the fork compresses under your weight using the O-Ring on the right fork tube. Aim for a sag that's 25-30% of the fork's total travel.
- Adjust as Needed: If the sag is not within the recommended range, adjust the air pressure accordingly and re-measure.

Correctly setting the sag is crucial for maximizing the efficiency and comfort of your ride.

### **Next, we'll optimize your Cyberbike Forks for rough trail performance:**

For rough trail performance, adjust compression and rebound damping to manage how the fork handles bumps and keeps traction. Increase compression damping to prevent the fork from compressing too quickly on big hits, which maintains control and avoids bottoming out. For rebound damping, a slower setting helps the fork recover smoothly from deep compressions, maintaining tire contact with the ground for better control and stability. Fine-tune both settings based on the trail's roughness and your riding style for optimal performance.

#### Compression Adjustment and Lockout

- Location: Top of the right fork tube.
- Operation: Turn the knob clockwise to increase compression for a firmer ride or counterclockwise to decrease for a softer ride. The lockout feature can be engaged to prevent fork movement, optimizing efficiency on smooth surfaces.

#### Rebound Damping Adjustment

- Location: Bottom of the right fork tube.
- Adjustment: Use the dial to control the speed at which the fork returns after being compressed. Turn clockwise for slower rebound and counterclockwise for faster rebound.

#### Maintenance Tips

- Regularly inspect for leaks or damage.
- Clean the fork tubes **without** high-pressure water to avoid seal damage.

#### Safety Precautions

- Always wear appropriate safety gear.
- Adjust settings while stationary to prevent accidents.

For detailed maintenance schedules and troubleshooting, refer to the comprehensive manual provided with your Cyberbike.

## **Pro Tips**

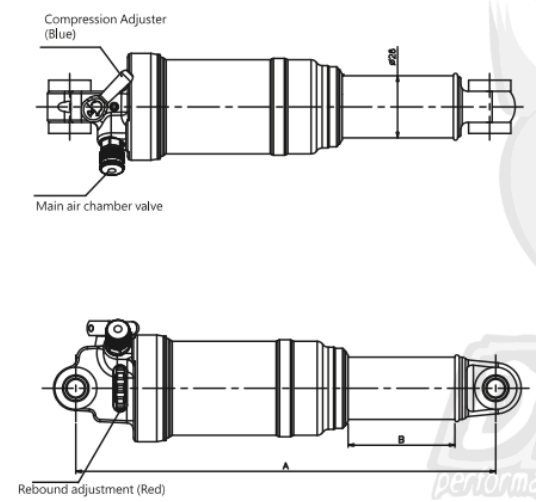
Compression and rebound adjustments on a mountain bike fork allow the rider to fine-tune how the suspension reacts to terrain. Compression adjustment controls how the fork compresses under impact, affecting ride firmness and responsiveness. Increasing compression makes the fork stiffer, better for smooth terrain or climbing. Decreasing compression softens the fork, improving absorption on rough trails. Rebound adjustment controls the speed at which the fork returns to its original position after being compressed. Faster rebound suits smoother trails, while slower rebound is better for rough, uneven terrain, preventing the fork from bouncing back too quickly.

# Rear Shock

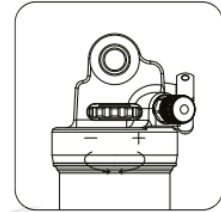
## Instructions for Wolf Single Chamber Air Shock, 2024

### DNM Air Shock AO-38RC Product Description

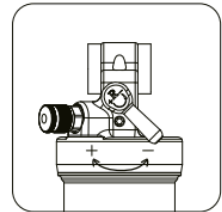
Diagram Consumer Safety /  : Warning  : Attention



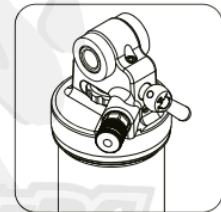
 **Rebound adjustment knob**  
 + direction rotation, increase damper (slow)  
 - direction rotation, decrease damper (fast)



 **Compression Adjuster**  
 + direction rotation, lock-out  
 - direction rotation, open up



 **Main air chamber**  
 Supply air pressure according to pressure meter



Specification	
A. Total Length	B. Route
165±2	35±2
190±2	50±2
200±2	53±2
210±2	53±2

### Setting Sag:

Sag should be set to 25-30% of total shock travel for optimal performance.  
 Adjust air pressure to achieve desired sag setting.

### For Adjustments:

Turn the 3-position lever to the OPEN mode for initial setup.

### Adjusting Rebound:

Rebound controls how fast the shock extends after compressing.  
 Use air pressure to help find your rebound setting.

Turn the rebound knob to the closed position (full clockwise) until it stops, then back it out (counter-clockwise) to the number of clicks shown in the table provided.

#### Adjusting Compression Damping:

The 3-position lever provides on-the-fly adjustments for control and performance. We recommends beginning with the 3-position lever in the open mode. Open mode adjust provides additional fine-tuning adjustments for the OPEN mode. Setting 1 will have a more plush feel, while setting 3 will have a firmer feel.

Enjoy your ride with Wolf Single Chamber Air Shock!