

## Ohlins BM 125

# Ohlins BM 125 Shock Absorber Instruction Manual

Model: BM 125

## INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Ohlins BM 125 Shock Absorber. The Ohlins BM 125 is engineered with superior construction and materials, drawing from extensive racing experience to deliver high-quality suspension performance. It features a precision-drawn steel shock body with an aluminum reservoir and chrome silicone springs. Please read these instructions carefully before installation and use to ensure optimal performance and safety.

### IMPORTANT SAFETY INFORMATION

**WARNING:** This shock absorber contains nitrogen gas under high pressure. Do not attempt to refill or rebuild the shock yourself. Improper handling can lead to serious injury. If the shock is damaged, refer to a qualified service technician or the official Ohlins owner's manual for guidance. Never attempt to open or modify the shock absorber.

Always wear appropriate personal protective equipment (PPE) when handling or working with the shock absorber.

## SETUP AND INSTALLATION

Proper installation is critical for the performance and safety of your vehicle. It is highly recommended that installation be performed by a qualified mechanic with experience in motorcycle suspension systems.

### General Installation Guidelines:

- Preparation:** Ensure the vehicle is securely supported on a stand. Refer to your vehicle's service manual for specific instructions on removing the original shock absorber.
- Component Check:** Before installation, inspect all components of the Ohlins BM 125 shock absorber for any signs of damage or missing parts.

3. **Mounting:** Install the Ohlins BM 125 shock absorber in the designated position. Ensure all mounting bolts are clean and properly torqued according to your vehicle's specifications. The shock absorber is designed for a top mounting position.
4. **Hose Routing:** For models with a remote reservoir, ensure the stainless steel braided PTFE hose is routed correctly, avoiding kinks, sharp edges, or contact with moving parts.
5. **Final Check:** After installation, cycle the suspension through its full travel to check for any interference or binding. Verify all fasteners are tight.



Image: The Ohlins BM 125 Shock Absorber, featuring a yellow spring, gold-colored reservoir, and a remote reservoir connected by a black braided hose. The top mounting eyelet and bottom clevis are visible.

## OPERATING AND ADJUSTMENT

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The Ohlins BM 125 shock absorber is designed for optimal performance, but fine-tuning may be required based on rider weight, riding style, and road conditions. Adjustments typically include spring preload and damping.

### Spring Preload Adjustment:

Spring preload affects the ride height and initial sag of the suspension. Adjusting preload requires specialized tools and knowledge. Consult a qualified technician for proper adjustment to match your weight and riding preferences.

### Damping Adjustment:

Damping controls the speed at which the shock absorber compresses and extends. The BM 125 typically features adjustable compression and rebound damping. Refer to the detailed Ohlins owner's manual for specific adjustment procedures and recommended settings for your application.

- **Compression Damping:** Controls the resistance during shock compression.
- **Rebound Damping:** Controls the resistance during shock extension.

Always make small, incremental adjustments and test the vehicle's handling in a safe environment after each change.

## MAINTENANCE

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Regular maintenance ensures the longevity and consistent performance of your Ohlins BM 125 shock absorber.

- **Cleaning:** Keep the shock absorber clean from dirt, grime, and road debris. Use mild soap and water, then rinse thoroughly. Avoid high-pressure washers directly on seals.
- **Inspection:** Periodically inspect the shock for any signs of oil leaks, damage to the shaft, spring, or hose (if remote reservoir). Check mounting bolts for tightness.
- **Service Intervals:** Ohlins shock absorbers require periodic servicing, including oil changes and seal replacement, to maintain optimal performance. Consult an authorized Ohlins service center for recommended service intervals and procedures.
- **Storage:** If storing the vehicle for an extended period, ensure the shock absorber is clean and dry.

## TROUBLESHOOTING

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If you experience issues with your Ohlins BM 125 shock absorber, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Poor ride quality (too soft/hard)	Incorrect spring preload or damping settings.	Adjust spring preload and damping settings according to rider weight and riding conditions. Consult a professional if unsure.

Problem	Possible Cause	Solution
Oil leakage	Damaged seals or internal components.	Stop using the shock immediately. Contact an authorized Ohlins service center for inspection and repair. Do not attempt to repair yourself.
Unusual noises (clunking, squeaking)	Loose mounting bolts, worn bushings, or internal damage.	Check all mounting bolts for proper torque. Inspect bushings for wear. If noises persist, seek professional inspection.

For complex issues or internal problems, always consult an authorized Ohlins service center. Attempting repairs without proper tools and knowledge can void your warranty and compromise safety.

## SPECIFICATIONS

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- **Brand:** Ohlins
- **Model:** BM 125
- **Item Model Number:** BM 125
- **Manufacturer Part Number:** BM 125
- **Item Weight:** 4.33 kg
- **Position:** Top
- **Construction:** Precision-drawn steel shock body, aluminum shock reservoir, chrome silicone springs.
- **Hose Type (Remote Reservoir):** Stainless steel braided PTFE hose.

## WARRANTY INFORMATION

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Ohlins products are manufactured to high standards and typically come with a limited warranty against defects in materials and workmanship. The specific terms and duration of the warranty may vary by region and product. Please retain your proof of purchase. For detailed warranty information, refer to the official Ohlins warranty policy provided with your product or visit the official Ohlins website.

## CUSTOMER SUPPORT

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For technical assistance, service, or genuine Ohlins spare parts, please contact your authorized Ohlins dealer or an official Ohlins service center. You can find contact information and a list of authorized service providers on the official Ohlins website.

When contacting support, please have your product model (BM 125) and serial number (if applicable) ready.