

## Ohlins HO919

# Ohlins STX36 Scooter Rear Shock HO919 Instruction Manual

Model: HO919 | Brand: Ohlins

## 1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Ohlins STX36 Scooter Rear Shock, model HO919. This high-performance shock absorber is designed to enhance the ride quality and handling of your 2019 Honda Z125M. Please read this manual thoroughly before installation and use to ensure proper function and safety.

## 2. SAFETY INFORMATION

**Warning:** Installation and service of shock absorbers should only be performed by qualified personnel with appropriate tools and experience. Improper installation or adjustment can lead to serious injury or damage to the vehicle.

- Always wear appropriate personal protective equipment (PPE) during installation and maintenance.
- Ensure the vehicle is securely supported before beginning any work.
- Never attempt to disassemble the shock absorber. It contains high-pressure gas and oil, which can cause injury if released improperly.
- Refer to your vehicle's service manual for specific torque specifications and procedures.
- After installation, always perform a functional check of the suspension and brakes before riding.

## 3. PRODUCT OVERVIEW

The Ohlins STX36 Scooter Rear Shock (HO919) is a high-quality, adjustable mono-tube shock absorber. It features a 36mm piston diameter, designed for optimal performance and durability. Key components include the spring, spring preload adjuster, and damping adjusters (if equipped).



Image: Two Ohlins STX36 Scooter Rear Shocks, featuring bright yellow springs and silver-colored bodies, designed for rear suspension applications. The shocks are shown side-by-side, highlighting their robust construction and adjustable components.

## 4. SETUP AND INSTALLATION

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**Note:** Professional installation is highly recommended for this product.

1. **Preparation:** Secure the motorcycle on a stand, ensuring the rear wheel is off the ground. Remove any bodywork necessary to access the original rear shock absorber.
2. **Removal of Original Shock:** Carefully unbolt the original shock absorber from its upper and lower mounting points. Retain all original hardware unless new hardware is provided.
3. **Installation of Ohlins Shock:** Position the new Ohlins STX36 shock absorber. Install the upper and lower mounting bolts, ensuring they are correctly aligned. Do not fully tighten bolts at this stage.
4. **Torque Specifications:** Refer to your Honda Z125M service manual for the correct torque specifications for the shock mounting bolts. Tighten all bolts to the specified values.
5. **Clearance Check:** Before reassembling bodywork, check for adequate clearance between the shock absorber and all surrounding components throughout the full range of suspension travel.
6. **Final Assembly:** Reinstall any removed bodywork.

## 5. OPERATING AND ADJUSTMENT

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The STX36 shock absorber offers adjustability to fine-tune your scooter's handling characteristics. Always make adjustments in small increments and test the changes in a safe environment.

- **Spring Preload:** Adjusting the spring preload changes the initial compression of the spring, affecting ride height and sag. Use the provided tool to turn the preload adjusters. Increase preload for a firmer ride

or to compensate for heavier loads.

- **Rebound Damping (if equipped):** Rebound damping controls the speed at which the shock extends after compression. Adjustments are typically made via a clicker knob at the bottom of the shock. Turn clockwise for slower rebound, counter-clockwise for faster rebound.
- **Compression Damping (if equipped):** Compression damping controls the speed at which the shock compresses. Adjustments are typically made via a clicker knob on the reservoir or body. Turn clockwise for firmer compression, counter-clockwise for softer compression.

Consult an Ohlins authorized service center or a suspension specialist for personalized setup advice.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Ohlins STX36 rear shock.

- **Cleaning:** Keep the shock absorber clean from dirt, dust, and road grime. 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 mounting points. Check for loose bolts.
- **Service Intervals:** Ohlins recommends regular service by an authorized service center. Service intervals depend on usage, but typically every 1-2 years or after significant mileage.
- **Storage:** If storing the vehicle for an extended period, ensure the shock is clean and stored in a dry environment.

## 7. TROUBLESHOOTING

This section addresses common issues you might encounter with your rear shock absorber.

Problem	Possible Cause	Solution
Poor ride comfort / Harsh ride	Excessive spring preload, too much compression damping, incorrect spring rate.	Reduce spring preload, reduce compression damping, consult a specialist for spring rate.
Excessive bottoming out	Insufficient spring preload, too little compression damping, incorrect spring rate.	Increase spring preload, increase compression damping, consult a specialist for spring rate.
Rear end feels loose / Unstable	Too fast rebound damping, insufficient compression damping.	Increase rebound damping (slower), increase compression damping (firmer).
Oil leakage	Damaged seals, internal component failure.	Contact an authorized Ohlins service center for inspection and repair. Do not attempt to repair yourself.

If you experience issues not listed here or if the suggested solutions do not resolve the problem, contact an authorized Ohlins service center.

## 8. SPECIFICATIONS

Brand	Ohlins
Model	HO919 (STX36)
Manufacturer Part Number	HO919
Item Weight	8.38 pounds
Product Dimensions	23.3 x 9.3 x 7.3 inches
Auto Part Position	Rear
Vehicle Service Type	Motorcycle (Honda Z125M)
Exterior Finish	Painted

## 9. WARRANTY AND SUPPORT

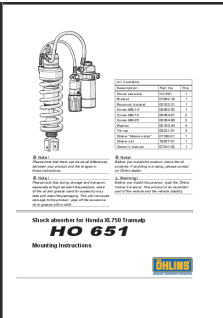

Ohlins products are manufactured to high standards and come with a manufacturer's warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the official Ohlins website or contact your authorized Ohlins dealer.





For technical support, service, or spare parts, please contact an authorized Ohlins service center or visit the official Ohlins website for dealer locator information. Always provide your product model (HO919) and purchase details when seeking support.

**Official Ohlins Website:** [www.ohlins.com](http://www.ohlins.com)

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### Related Documents - HO919

	<p><a href="#">Öhlins HO 651 Shock Absorber Mounting Instructions for Honda XL750 Transalp</a></p> <p>Detailed mounting instructions and setup data for the Öhlins HO 651 rear shock absorber, designed for the Honda XL750 Transalp. Includes kit contents, installation steps, and adjustment information.</p>
	<p><a href="#">Öhlins HO 450 Shock Absorber for Honda CB/650R: Mounting Instructions</a></p> <p>Detailed mounting instructions for the Öhlins HO 450 shock absorber, designed for Honda CB/650R motorcycles. Includes kit contents, warnings, step-by-step installation guide, and setup data.</p>

 <p><b>HO 213</b> Mounting Instructions</p> <p>Öhlins</p>	<p><a href="#">Öhlins HO 213 Shock Absorber Mounting Instructions for Honda CRF300L/Rally</a></p> <p>Comprehensive mounting instructions for the Öhlins HO 213 shock absorber, designed for Honda CRF300L and CRF300Rally motorcycles. Includes kit contents, disassembly steps, installation procedures, and setup data.</p>
 <p><b>BM 493</b> Mounting Instructions</p> <p>Öhlins</p>	<p><a href="#">Öhlins BM 493 Shock Absorber Mounting Instructions for BMW R nine T</a></p> <p>Detailed mounting instructions and setup data for the Öhlins BM 493 rear shock absorber, designed for the BMW R nine T motorcycle. Includes kit contents, warnings, and adjustment information.</p>
 <p><b>HOS MI20 FRONT</b> Mounting Instructions</p> <p>Öhlins</p>	<p><a href="#">Öhlins HOS MI20 Shock Absorber Kit for Honda S2000 (AP1, AP2) - Mounting and Adjustment Instructions</a></p> <p>Detailed mounting and adjustment instructions for the Öhlins HOS MI20 front and rear shock absorber kits designed for the Honda S2000 (AP1, AP2). Includes kit contents, step-by-step installation procedures, and setup data for rebound and spring preload.</p>
 <p><b>BM 495</b> Mounting Instructions</p> <p>Öhlins</p>	<p><a href="#">Öhlins BM 495 Shock Absorber Mounting Instructions for BMW R nineT Scrambler</a></p> <p>Detailed mounting and adjustment instructions for the Öhlins BM 495 rear shock absorber, designed for the BMW R nineT Scrambler. Includes kit contents, installation steps, setup data, and important warnings.</p>