

OHLINS S36PR1C1L

OHLINS LEGEND TWIN S36PR1C1L Rear Suspension Instruction Manual

Model: S36PR1C1L | Brand: OHLINS

1. INTRODUCTION

This manual provides essential information for the installation, adjustment, and maintenance of your OHLINS LEGEND TWIN S36PR1C1L rear suspension. Please read this manual thoroughly before installation and use to ensure proper function and safety.

The OHLINS LEGEND TWIN S36PR1C1L is a fourth-generation, fully adjustable twin shock absorber designed for enhanced motorcycle performance and ride comfort. It features a 36mm piston diameter and a piggyback reservoir type.

2. SAFETY INFORMATION

Always prioritize safety during installation and adjustment. If you are unsure about any procedure, consult a qualified motorcycle technician.

- Ensure the motorcycle is securely supported before beginning any work.
- Wear appropriate personal protective equipment (PPE).
- Refer to your motorcycle's service manual for specific torque specifications and procedures.
- Important Note for Z750/550GP/500/400J models:** Installation on these models may require modifications to the chain line. Verify compatibility and necessary adjustments with a professional.

3. PRODUCT OVERVIEW

The OHLINS LEGEND TWIN S36PR1C1L rear suspension unit is designed with precision components for optimal performance.



Image: A pair of OHLINS LEGEND TWIN S36PR1C1L rear shock absorbers. They feature gold-colored piggyback reservoirs at the top, silver main bodies, and black springs. The lower mounting points are silver with blue accents.

Key Features:

- **Type:** Legend Twin S36PR1C1L
- **Piston Diameter:** 36mm
- **Reservoir Type:** Piggyback
- **Spring Color:** Black
- **Free Length:** 344mm
- **Stroke:** 89mm
- **Spring Rate:** 16-26 N/mm

4. SETUP AND INSTALLATION

Proper installation is crucial for the performance and safety of your suspension. It is recommended that installation be performed by a qualified technician.

Installation Steps (General Guide):

1. Secure the motorcycle on a stand so that the rear wheel is off the ground and the suspension is unloaded.
2. Carefully remove the original rear shock absorbers, noting the orientation and any spacers.
3. Install the OHLINS LEGEND TWIN S36PR1C1L shocks, ensuring all mounting bolts are correctly aligned and tightened to the motorcycle manufacturer's specified torque.
4. For Z750/550GP/500/400J models, verify chain line clearance. Adjustments may be necessary to prevent interference.
5. Once installed, perform initial adjustments as described in the "Operating Instructions" section.
6. Lower the motorcycle and check for proper function and clearance before riding.

5. OPERATING INSTRUCTIONS (ADJUSTMENTS)

The OHLINS LEGEND TWIN S36PR1C1L offers multiple adjustment options to fine-tune your ride. Make small, incremental adjustments and test the motorcycle's handling after each change.

- Rebound Damping Adjustment (30 steps):**
Controls the speed at which the shock absorber extends after compression. Turning the adjuster clockwise typically increases damping (slower rebound), while counter-clockwise decreases damping (faster rebound). Start with the recommended setting and adjust to your preference.
- Compression Damping Adjustment (4 steps):**
Controls the speed at which the shock absorber compresses. Adjusting this affects how the suspension handles bumps and cornering forces. Higher settings provide more resistance to compression.
- Preload Adjustment (Single Nut Stepless):**
Adjusts the initial compression of the spring, affecting ride height and sag. Use the single nut adjuster to increase or decrease spring preload. Proper sag setting is critical for optimal handling.
- Ride Height Adjustment (+7/-3mm):**
Allows for fine-tuning of the motorcycle's rear ride height within a range of +7mm to -3mm. This adjustment can influence steering geometry and cornering characteristics.

Always record your settings before making changes, allowing you to return to a known good setup if needed.

6. MAINTENANCE

Regular maintenance ensures the longevity and consistent performance of your OHLINS suspension.

- Keep the shock absorbers clean from dirt, dust, and road grime. Use mild soap and water, then rinse thoroughly.
- Inspect the shock bodies, springs, and mounting points for any signs of damage, leaks, or wear.
- Check all fasteners for proper tightness periodically.
- If any issues are detected, consult a qualified OHLINS service center for inspection and repair. Do not attempt to disassemble the shock absorber yourself, as it contains high-pressure gas.

7. TROUBLESHOOTING

This section provides general guidance for common issues. For complex problems, professional assistance is recommended.

Symptom	Possible Cause	Solution
Excessive Bounciness	Insufficient rebound damping.	Increase rebound damping (turn adjuster clockwise).
Harsh Ride	Too much compression damping or excessive spring preload.	Decrease compression damping or reduce spring preload.
Bottoming Out	Insufficient spring preload or compression damping.	Increase spring preload or compression damping.
Oil Leakage	Damaged seal or internal component.	Contact an authorized OHLINS service center immediately.

8. SPECIFICATIONS

Feature	Detail
Model	LEGEND TWIN S36PR1C1L
Product Code	KA134
Brand	OHLINS
Piston Diameter	36mm
Free Length	344mm
Stroke	89mm
Rebound Damping	30 steps adjustable
Compression Damping	4 steps adjustable
Preload Adjustment	Single nut stepless adjuster
Ride Height Adjustment	+7mm / -3mm
Spring Rate	16-26 N/mm
Reservoir Type	Piggyback
Spring Color	Black
Compatible Models	KAWASAKI ZEPHYR400, ZEPHYR χ, ZEPHYR750/RS, Z400FX, Z550GP


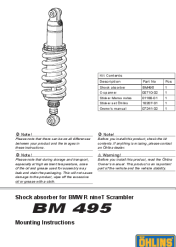
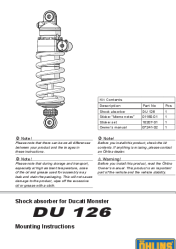
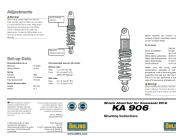

9. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the official OHLINS website or the warranty card included with your product. OHLINS products are covered by a limited warranty against defects in materials and workmanship. For technical support, service, or genuine spare parts, please contact your authorized OHLINS dealer or visit the official OHLINS global website for contact information and service center locations.

Official OHLINS Website: www.ohlins.com



Related Documents - S36PR1C1L

	<p>Öhlins BM 493 Shock Absorber Mounting Instructions for BMW R nine T</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>Öhlins BM 495 Shock Absorber Mounting Instructions for BMW R nineT Scrambler</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>
	<p>Öhlins DU 126 Shock Absorber Mounting and Adjustment Guide for Ducati Monster</p> <p>Official mounting and adjustment instructions for the Öhlins DU 126 shock absorber, designed for Ducati Monster motorcycles. Includes kit contents, installation steps, setup data, and important warnings.</p>
	<p>Öhlins KA 906 Shock Absorber Mounting Instructions for Kawasaki ER-6</p> <p>Detailed mounting instructions and setup data for the Öhlins KA 906 rear shock absorber, designed for the Kawasaki ER-6 motorcycle. Includes kit contents, adjustments, and installation steps.</p>
	<p>Öhlins HD 778 Shock Absorber Mounting Instructions for Harley Davidson Touring</p> <p>Detailed mounting instructions and setup data for the Öhlins HD 778 shock absorber, designed for Harley Davidson Touring motorcycles. Includes kit contents, step-by-step installation guide, and technical specifications.</p>

