

OHLINS HO140

OHLINS Rear Suspension Twin S36P Instruction Manual

Model: HO140

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your OHLINS Rear Suspension Twin S36P (Model HO140). Please read this manual thoroughly before installation and use to ensure proper function and safety. OHLINS Racing has been a vital part of motorsports for over 30 years, providing high-end racing technology to aftermarket, OEM partners, and teams, always striving to exceed user expectations worldwide.

2. SAFETY WARNINGS

Important: To prevent accidents such as parts falling off during vehicle operation, always ensure all components are sufficiently tightened and secured according to the installation instructions. Regular checks are recommended.

Disclaimer: Product images in this manual may differ from the actual product due to manufacturer specification changes. Please be aware of this in advance.

3. PRODUCT OVERVIEW

The OHLINS Rear Suspension Twin S36P is a high-performance shock absorber designed for specific motorcycle models, offering enhanced ride quality and handling characteristics.



Image 1: OHLINS Rear Suspension Twin S36P. This image shows a pair of OHLINS S36P rear shock absorbers with gold reservoirs and black springs, designed for motorcycle applications.

Key Features:

- **Type:** S36P Twin Shock Absorber
- **Piston Diameter:** 36mm
- **Reservoir Type:** Piggyback
- **Spring Color:** Black
- **Preload Adjustment:** Stepless screw type
- **Damping Adjustment:** No rebound or compression damping adjustment functions.
- **Applicable Models:** CB1100F, CBX1000, CB900F, CB750F[RC04]

4. SETUP AND INSTALLATION

Installation of the OHLINS Rear Suspension Twin S36P should be performed by a qualified technician using appropriate tools and safety procedures. Incorrect installation can lead to serious injury or damage to the motorcycle.

General Installation Steps (Consult a service manual for your specific motorcycle model):

1. Ensure the motorcycle is securely supported on a stand, with the rear wheel off the ground.
2. Remove the original rear shock absorbers. Note the orientation and any spacers.
3. Carefully position the OHLINS S36P shock absorbers, ensuring correct orientation of the upper and lower mounts.
4. Install the mounting bolts and nuts. Do not fully tighten at this stage.
5. Once both shocks are in place, tighten all mounting bolts to the torque specifications provided in your motorcycle's service manual.
6. Verify that there is no interference with other motorcycle components throughout the full range of suspension travel.
7. Perform a final check of all fasteners to ensure they are securely tightened.

Note: The S36P model features a piggyback reservoir. Ensure adequate clearance for the reservoir during installation and throughout suspension travel.

5. OPERATING INSTRUCTIONS AND ADJUSTMENTS

The OHLINS S36P rear suspension is designed for optimal performance with minimal user adjustment. This model features preload adjustment only.

Preload Adjustment:

The spring preload can be adjusted using the stepless screw type mechanism. Adjusting preload changes the initial compression of the spring, affecting ride height and sag. This adjustment should be made to achieve the recommended sag for your weight and riding style.

- To increase preload (stiffer ride, higher ride height), turn the adjustment ring clockwise.
- To decrease preload (softer ride, lower ride height), turn the adjustment ring counter-clockwise.

Always adjust both shock absorbers equally. Refer to a motorcycle suspension tuning guide for detailed instructions on setting sag.

6. MAINTENANCE

Proper maintenance ensures the longevity and performance of your OHLINS suspension. Regular inspection and cleaning are crucial.

Recommended Maintenance:

- **Cleaning:** Regularly clean the shock absorbers with mild soap and water to remove dirt, dust, and road grime. Avoid high-

pressure washers directly on seals.

- **Inspection:** Periodically inspect for any signs of oil leakage, damage to the spring, shaft, or reservoir, and wear on mounting bushings.
- **Fastener Checks:** Ensure all mounting bolts and nuts remain securely tightened.
- **Professional Service:** OHLINS shock absorbers contain high-pressure gas and should only be serviced by authorized OHLINS service centers. Do not attempt to disassemble the shock absorber yourself.

7. TROUBLESHOOTING

If you experience issues with your OHLINS suspension, consider the following common points before seeking professional assistance.

Symptom	Possible Cause	Solution
Poor ride comfort / Too stiff	Excessive spring preload.	Reduce spring preload (turn adjustment ring counter-clockwise).
Bottoming out / Too soft	Insufficient spring preload.	Increase spring preload (turn adjustment ring clockwise).
Oil leakage	Damaged seal or internal component.	Contact an authorized OHLINS service center for inspection and repair. Do not ride with leaking shocks.
Unusual noises	Loose mounting bolts, worn bushings, or internal issue.	Check all mounting bolts for tightness. Inspect bushings for wear. If noise persists, seek professional inspection.

For issues not listed here or if solutions do not resolve the problem, please contact OHLINS customer support or an authorized service center.

8. SPECIFICATIONS

Feature	Specification
Brand	OHLINS
Model Number	HO140
Type	Twin Shock Absorber S36P
Piston Diameter	36mm
Reservoir Type	Piggyback
Spring Color	Black
Mounting Position	Rear
Rebound Damping Adjustment	None
Compression Damping Adjustment	None
Preload Adjustment	Stepless Screw Type
Applicable Vehicle Type	Motorcycle

Feature	Specification
Compatible Models	CB1100F, CBX1000, CB900F, CB750F[RC04]

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact your authorized OHLINS dealer or visit the official OHLINS website. Keep your purchase receipt as proof of purchase.

OHLINS products are precision components. Any unauthorized modifications or repairs will void the warranty and may compromise safety and performance.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question