

Adjustments

Spring pre-load adjuster

Adjust by turning the knob on the hydraulic adjuster. Turn clockwise for harder adjustment, turn counter clockwise to release the preload.

Rebound damping adjuster

Adjust by turning the wheel on the piston shaft above the end bracket.

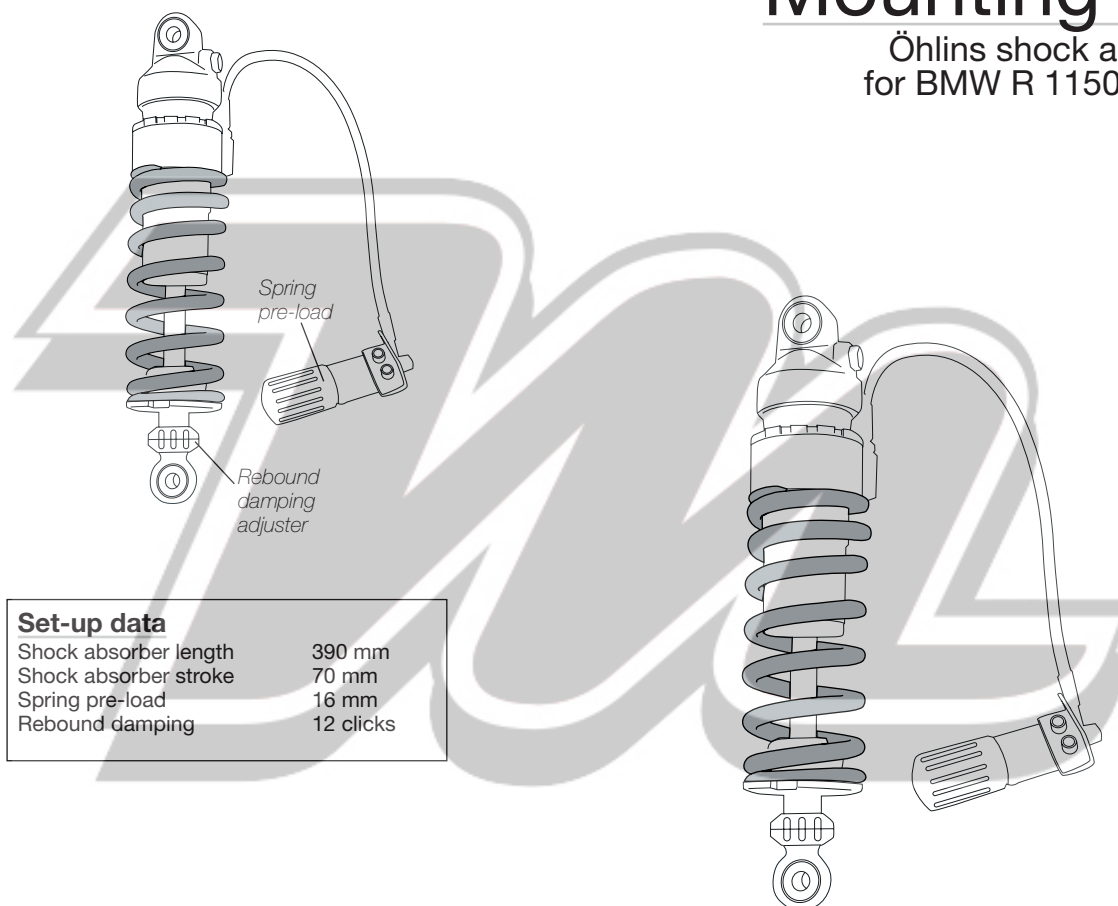
NOTE!

When delivered the Öhlins shock absorber is dialed to recommended settings for the specific brand and make of the motorcycle. If you have changed the setting, reset according to the following:

The adjuster has a normal right hand thread. Turn the damping adjuster clockwise to fully closed (pos. zero [0]). Turn counter clockwise to open and count the clicks until you reach the recommended number. **See Set-up data.**

CAUTION!

Do not use too much force, delicate sealing surfaces can be damaged.



Set-up data

Shock absorber length	390 mm
Shock absorber stroke	70 mm
Spring pre-load	16 mm
Rebound damping	12 clicks

BM 515 Issued 2006 01 31

Mounting Instructions

Öhlins shock absorber kit BM 515
for BMW R 1150 GS Adventure - rear

Kit Contents

Before installing the shock absorber, please check the contents of the kit. If anything is missing, please contact your Öhlins dealer.

Description

Shock absorber 46 DRS
Sticker Öhlins
Sticker memo notes
Owner's manual

Article no.

BM 515 (1)
00192-01 (2)
01180-01 (1)
(1)

Before Installing

Öhlins Racing AB cannot be held responsible for any damage to the shock absorber or vehicle, or injury to persons, if the instructions for fitting and maintenance are not followed exactly. Similarly, the warranty will become null and void if the instructions are not adhered to.

Öhlins products are subject to continuous improvement and development. Consequently, although these instructions include the most up-to-date information available at the time of printing, there may be minor differences between your shock absorber and this manual. Please consult your Öhlins dealer if you have any questions regarding the contents of this manual.



Öhlins Racing AB, Box 722, S-194 27 Upplands Väsby, Sweden.
Phone +46 8 590 025 00. Fax +46 8 590 025 80.

www.ohlins.com

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Safety Signals

Important information concerning safety is distinguished in this manual by the following notations:



The Safety alert symbol means:
Attention! Your safety is involved.



WARNING!

Failure to follow these warning instructions could result in **severe or fatal injury** to anyone working with, inspecting or using the shock absorber, or to bystanders.

CAUTION!

Caution indicates that special precautions must be taken to avoid damage to the shock absorber.

NOTE!

Indicates information that is of importance regarding mounting procedures.

⚠ WARNING!

1. Installing a shock absorber, that is not approved by the vehicle manufacturer, may affect the stability of your vehicle. Öhlins Racing AB cannot be held responsible for any personal injury or damage that may occur after fitting the shock absorber. Contact an Öhlins dealer or other qualified person for advice.

2. Please study and make certain that you fully understand all the mounting instructions and the owner's manual before handling this shock absorber kit. If you have any questions regarding proper installation procedures, contact an Öhlins dealer or other qualified person.

3. The vehicle service manual must be referred to when installing the Öhlins shock absorber

NOTE!

During storage and transportation, especially at high ambient temperature, the oil and grease used for assembling may run out inside the packing and damage the expanded polystyrene packing material. This is not unusual and is in no way detrimental to the shock absorber.

8

Remove the upper shock absorber bolt.

9

Remove the shock absorber and the hydraulic spring pre-load adjuster.

10

Install the Öhlins shock absorber in the upper bracket. The gas valve should be pointing backwards. Use the original bolt.

11

Install the adjustment cylinder to the hydraulic spring pre-load adjuster in the original bracket. Lead the hose between the air box and the battery box.

12

Attach the lower shock absorber bracket.

13

Reattach the rear wheel and the brake caliper.

14

Reattach the right seat bracket, the driver's and the passenger's seats.

NOTE!

Make sure that all bolts are tightened to the correct torque and that nothing fouls or restricts movement of the shock absorber when the suspension is being fully compressed or extended.

15

Read more about the Öhlins shock absorber in the Öhlins owners manual.

Mounting Instructions

⚠ WARNING!

1. It is advisable to have an Öhlins dealer or other qualified person install the shock absorber.
2. Follow the instructions in the vehicle service manual when changing the shock absorber.
3. When working on a raised vehicle, make sure that it is securely supported to prevent it from falling.

1

Put the motorcycle on the center stand.

2

Remove the passenger's and the rider's seat.

3

Loosen the brake caliper.

4

Remove the rear wheel.

5

Loosen the adjustment cylinder to the hydraulic spring pre-load adjuster.

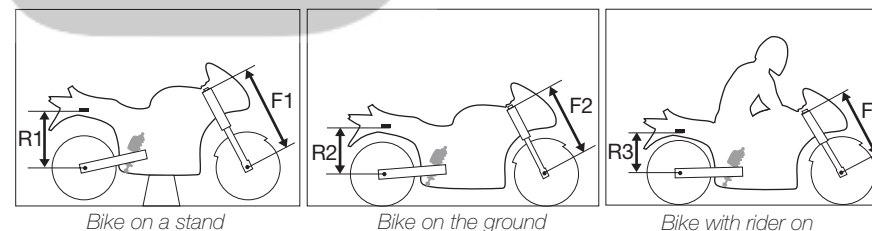
6

Remove the lower shock absorber bolt.

7

Remove the right seat bracket.

Check sag and ride height



Front suspension

- F1. Bike on a stand with the suspension fully extended =
- F2. Bike on the ground without rider =
- F3. Bike on the ground with rider =
- Free sag F1 - F2 =
- Ride height F1 - F3 =

Rear suspension

- R1. Bike on a stand with the suspension fully extended =
- R2. Bike on the ground without rider =
- R3. Bike on the ground with rider =
- Free sag R1 - R2 =
- Ride height R1 - R3 =

NOTE!

Read more about sag and ride height and different settings in your Öhlins Owner's manual.