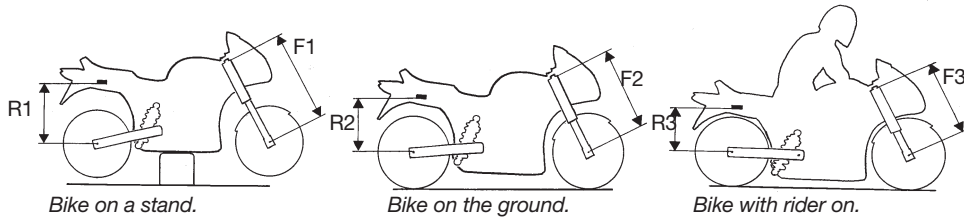


Owners Manual

Mounting instructions Öhlins shock absorber kit BM 137 for BMW K 75 and K 100



Setup data

Lenght	355 mm
Stroke	96 mm
Rebound adjustment	16 clicks
Compression adjustment	14 clicks
Preload	15 mm

Checking 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

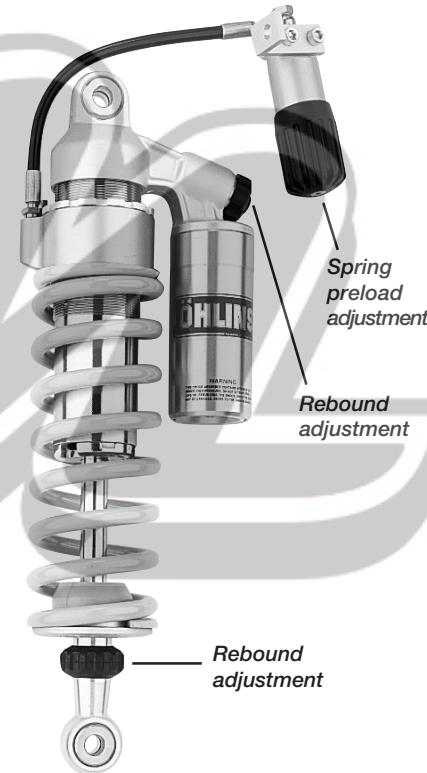
R1. Bike on a stand with the suspension fully extended =

R2. Bike on the ground without rider =

R3. Bike on the ground with rider =

Free sag R1 - R2 =

Ride height R1 - R3 =



Öhlins shock absorber 46 PRCS

Your Öhlins shock absorber type 46 PRCS features the following adjusters:

Compression damping adjuster

Adjustments are made with the wheel on top of the reservoir.

Rebound damping adjuster

Adjuster wheel on the piston shaft above the end bracket.

Spring preload adjuster

Adjustments are made by turning the knob on the hydraulic adjuster. Clockwise for harder adjustment, counter clockwise too release the preload.

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 check like this:

The adjusters have a normal right hand tread. Turn the damping adjusters clockwise to fully closed (pos. zero [0]). Turn counter clockwise to open and count the clicks until you reach the recommended number of clicks. See Setup data at page 4.

CAUTION!

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



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

BM 137, issued 03 03 21

© Öhlins Racing AB. All rights reserved. Any reprinting or unauthorized use without the written permission of Öhlins Racing AB is prohibited. Printed in Sweden.



Safety signals

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



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

WARNING!

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

CAUTION!

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

NOTE!

This indicates information that is of importance with regard to procedures.

Before installation

Öhlins Racing AB can not be held responsible for any damage whatsoever to 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.

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 whatsoever 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 owners manuals 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

Öhlins products are subject to continual 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 suspension and this manual. Please consult your Öhlins dealer if you have any questions with regard to the contents of the manual.

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.

Kit contents

Before installing the shock absorber, please check the contents of the kit, listed on the front page of this instruction. If anything is missing, contact your Öhlins dealer.

Description	Pcs.	Part No.
Shock absorber 46 PRCS	1	BM 137
Tie rap	2	00231-01
Sticker Öhlins	2	00192-01
Sticker memo notes	1	01180-01
Owners manual	1	

Mounting instructions

1

Put the motorcycle on a stand so that the rear wheel is clear of the ground. The swing arm must be free, so that the suspension is unloaded. Make sure it's steadily fixed so that it will not fall over.

WARNING!

1. It's advisable to have an Öhlins dealer or other qualified person to fit your shock absorber.
2. Instructions in the vehicle service manual are to be followed when changing the shock absorber.
3. When working on a lifted vehicle it must be securely supported to prevent it from falling.

2

Remove the right side cover.

3

If luggage carrier is fitted, the two allen bolts at the lower mount must be removed.

4

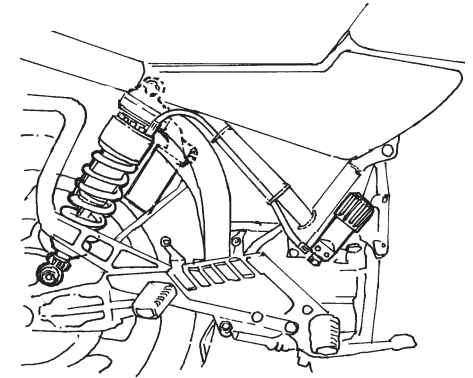
Remove first the lower shock absorber bracket nut, then the upper attachment bolt. Release the original shock absorber from the lower bracket and lift it out to the right.

NOTE!

Lift and support the rear wheel when removing and refitting the upper bolt.

5

Mount the Öhlins shock absorber in reverse order, fit it first the lower bracket then the upper attachment.



6

Fit the new prespanner adjuster. Let the hose go in soft turns and fix it with the tie raps.

7

Refit the luggage carrier and the side cover.

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.

8

Continue your work according to owners manual, section Adjustments.