

⚠ WARNING!

The shock absorber is provided with a separate type reservoir filled with high-pressure nitrogen gas. To prevent danger of explosion, study and make certain that you fully understand the following information before handling the shock absorber. The manufacturer cannot be held responsible for damage to property or personal injury that may result from improper handling.

- 1. Never tamper with or attempt to disassemble the cylinder or the reservoir.*
- 2. Never expose the shock absorber to an open flame or other excessive heat. The shock absorber may otherwise explode due to too high pressure.*
- 3. Be careful not to damage any part of the gas reservoir. A damaged gas reservoir will impair the damping performance or cause malfunction.*
- 4. Take care not to scratch the contact surface of the piston rod of the cylinder; oil could otherwise leak out.*
- 5. Never attempt to remove the plug at the bottom of the nitrogen gas reservoir. Any attempt to remove the plug implies serious danger.*
- 6. When scrapping the shock absorber, follow the instructions for disposal.*

Notes

Mounting instructions

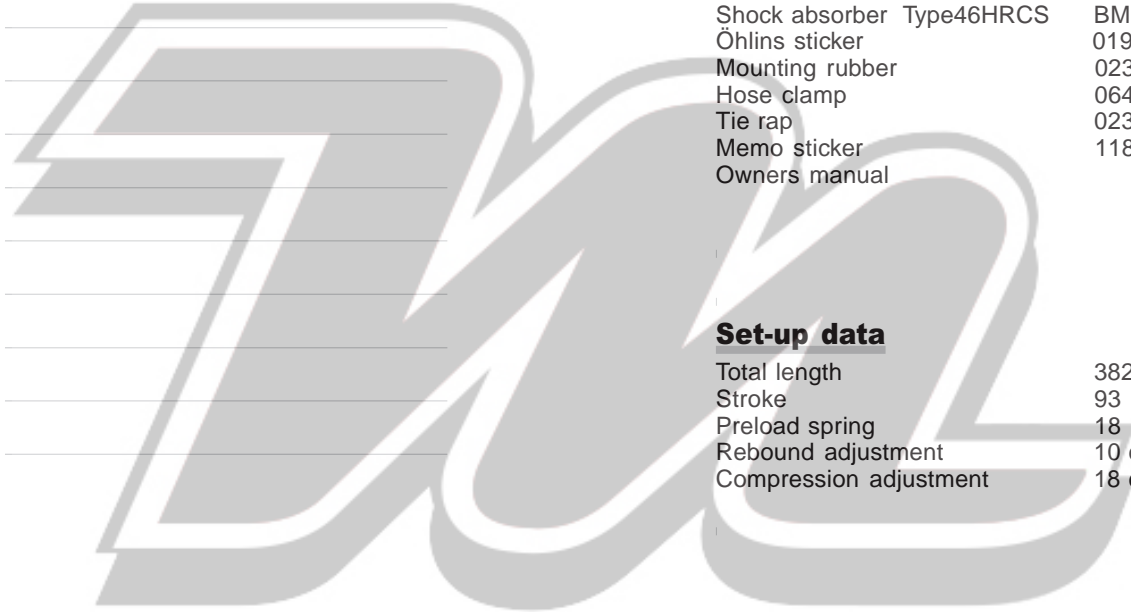
BM 002- BMW K 100 (ABS)

Kit contents

Shock absorber Type46HRCS	BM002	1
Öhlins sticker	0192-01	2
Mounting rubber	0230-01	2
Hose clamp	0643-01	2
Tie rap	0231-01	4
Memo sticker	1180-01	1
Owners manual		1

Set-up data

Total length	382	mm
Stroke	93	mm
Preload spring	18	mm
Rebound adjustment	10	clicks
Compression adjustment	18	clicks



Traction, handling,
comfort and safety



ADVANCED SUSPENSION TECHNOLOGY

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BM 0022 | issued 991125



ADVANCED SUSPENSION TECHNOLOGY

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

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.

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.

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Before you start

WARNING!

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.

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!

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

WARNING!

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

NOTE!

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.

Mounting Instructions

1

Put the motorcycle on a stand so the rear wheel is clear of the ground. Make sure it's steadily fixed so 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

If there is a luggage carrier mounted in the motorcycle the two bolts at the lower mount should be removed.

3

Remove the lower nut and the upper bolt holding the shock absorber

NOTE!

While removing the bolt the rear wheel should be lifted up

4

Remove the standard shock absorber from the lower mount.

5

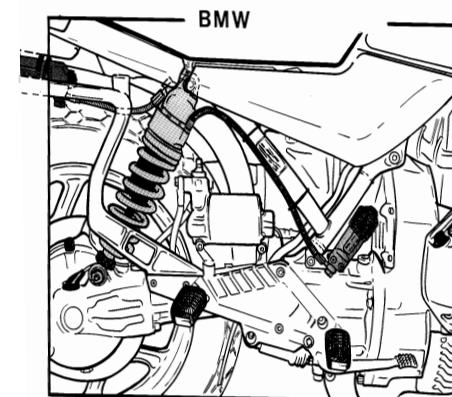
Fit the Öhlins shock absorber(s) in the same position as the standard shock absorber and attaching first the end eye to the lower mount.

6

Lift the rear wheel up so the upper bolt can be fitted. Tighten the shock absorber mounts.

7

Remount the bolts to the luggage carrier and mount the reservoir to the frame with the provided rubber mounts and clamps



8

Mount the preload adjuster

9

Continue your work according to the Owners Manual, section Adjustments.

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.

WARNING!

Certain modifications may be necessary when installing the Öhlins shock absorber/suspension. It is essential that the mounting instructions are carefully followed.