

⚠ WARNING!

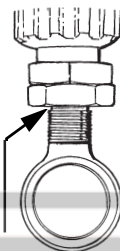
The shock absorber is provided with a separate type reservoir filled with high-pressure nitrogen gas. To prevent danger of explosion, study and make certain that you fully understand the following information before handling the shock absorber. The manufacturer cannot be held responsible for damage to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

⚠ WARNING!

If the shock absorber has an adjustable end eye/bracket, this must not be treaded out more than that one groove is fully visible beneath the lock nut. Make sure that the lock nut is tightened after adjustment.

Groove



Notes

Mounting instructions

BM 704 - BMW 1100 RS

Rear shock absorber

Kit contents

Shock absorber Type 46DRS	BM 704	1
Bolt (M10x40)	01046-24	1
Nut	00440-01	1
Screw	00439-09	1
Washer 10/24/8	03118-02	1
Tie-rod	00231-01	2
Sticker Öhlins	00192-01	2
Owners manual		1
Sticker Memo Notes	01180-01	1

Set-up data

Length	358 mm
Stroke	57 mm
Preload spring	9 mm
Rebound adjustment	16

Traction, handling,
comfort and safety



ADVANCED SUSPENSION TECHNOLOGY

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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!

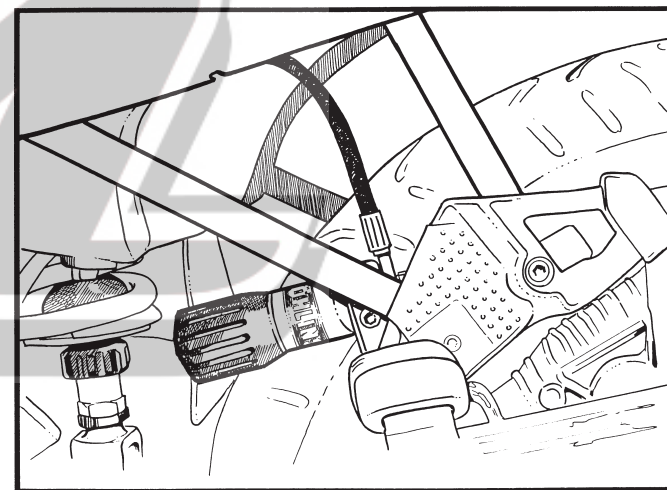
Öhlins products are subject to continual improvement and development. Consequently, although these instructions include the most up-to-date information available at the time of printing, there may be minor differences between your suspension and this manual. Please consult your Öhlins dealer if you have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

1

Put the motorcycle on the centre stand so that the rear wheel is clear of the ground. Make sure it is 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

Remove the seat, seat support and rear wheel.

3

Loosen and remove the original shock absorber.

4

Fit the Öhlins shock absorber with the gas valve in direction forward and the hydraulic preload adjuster hose to the left

5

Fit the Öhlins hydraulic preloader hose between the air box and the fuse box (electrical box) The hose must have smooth bends and go from the right to the left.

6

Fit the shock absorber's upper bracket, then the lower bracket. Use the provided bolt and nut.

7

Attach the preload adjuster to the silencer bracket with the provided screw and washer. Fit the washer between the bracket and the adjuster. Make sure to tighten the bolts and that the hose is not squeezed. Fix the hose with the tie raps provided.

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. See the motorcycles workshop manual for the correct readings.

8

Reassemble the motorcycle by putting back the rear wheel, the seat support and the seat.

9

Continue your work according to the Owner's Manual, section adjustments.