

## ⚠ WARNING!

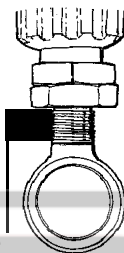
The shock absorber is provided with a separate type reservoir filled with high-pressure nitrogen gas. To prevent danger of explosion, study and make certain that you fully understand the following information before handling the shock absorber. The manufacturer cannot be held responsible for damage to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

KA002

## Kit contents

Shock absorber Type 46HRC	KA002	1
Owners manual		1
Sticker	0192-01	2
Mounting rubber	0230-01	2
Tie-rop	0231-01	2
Hose clamp	0643-02	2
Hook spanner	0710-01	1

## Set-up data

Total length	365	mm
Stroke	80	mm
Preload spring	13	mm
Rebound adjustment	12	
Compression adjustment	18	

Traction, handling,  
comfort and safety



ADVANCED SUSPENSION TECHNOLOGY

Öhlins Racing AB, Box 722, S-194 27 Upplands Väsby, Sweden.

Phone +46 8 590 025 00, fax +46 8 590 025 80.

E-mail: info@ohlins.se

KA002 Issued 990623



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.

© Öhlins Racing AB.

All rights reserved.

Any reprinting or unauthorized use without the written permission of Öhlins Racing AB is prohibited.

Printed in Sweden.

## 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**

Remove the seat and the side covers.

### **3**

Remove the lower attachment bolt to the drag link and also the lower shock bolt.

### **4**

Remove the upper attachment bolt and remove the shock downwards.

### **5**

Fitting the Öhlin-shock:

Start by pulling the reservoir and the shock itself upwards, place the reservoir at the right side according to the mounting fig. Mount the upper shock bolt.

### **6**

Fit shock to the lower fixing point and also fit bolt to drag link.

### **7**

Mount reservoir using mounting rubbers and hose clamps. Place the reservoir on the frame tube so that there are clearance to the side cover.

### **8**

Make sure that all bolts are tightened.

### **9**

Mount side covers and seat.

### **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.*

## Kawasaki ZZ-R 600

