

**Setup data**

Shock absorber length	330 mm
Shock absorber stroke	67 mm
Spring preload	13 mm
Rebound damping adjuster	13 clicks

**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 = .....

# Mounting Instructions

Öhlins shock absorber kit  
SU 323 for Suzuki SV 650

**Öhlins shock absorber 46 DR**

**Adjusters**

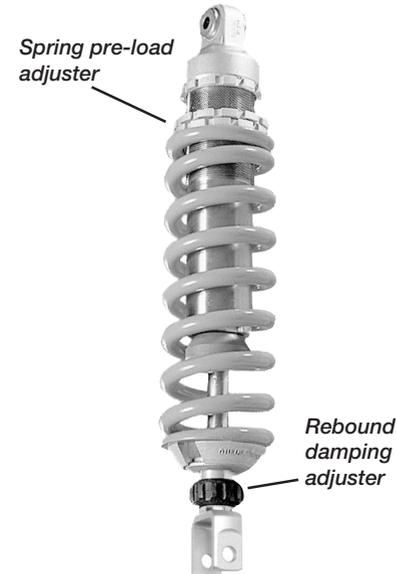
Your Öhlins shock absorber type 46 DR features the following adjusters:

**Rebound damping**

Adjuster wheel on the piston shaft above the end bracket.

**Spring pre-load**

Adjustments are made by turning the rings on the cylinder tube. Use a c-spanner.



**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 clockwise to fully closed. Turn counter clockwise to open and count the clicks until you reach the recommended number of clicks.

**CAUTION!**

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



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## 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.*

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 46DR	1	SU 323
C-spanner	1	00710-02
Sticker memo notes	1	01180-01
Sticker Öhlins	2	00192-01
Owners manual	1	

## 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*

## 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

Loosen first the lower shock absorber attachment then the upper shock absorber attachment.

### 3

Remove the shock absorber rearwards and out on either side of the motorcycle.

### 4

Mount the Öhlins shock absorber in reverse order.

### 5

Attach the upper bracket of the shock absorber.

### 6

Mount the lower bracket.

### NOTE!

*The threaded side of the clevis must be directed to the right side of the motorcycle.*

### 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. Check with the Workshop manual for the motorcycle.*

### 7

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