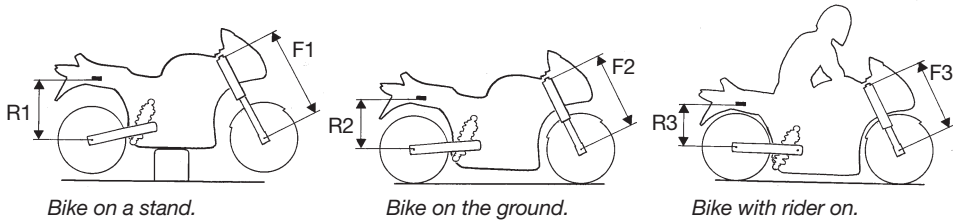


# Owners Manual

## Mounting instructions Öhlins shock absorber kit DU 106 for Ducati MH 900 e

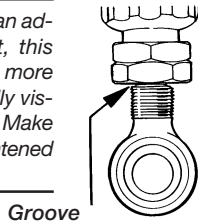


### Setup data

Shock absorber length	325 (+3.5/-2.5) mm
Shock absorber stroke	84.5 mm
Spring preload	13 mm
Rebound damping adjuster	16 clicks
Compression damping adjuster	14 clicks

### 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

### 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  $F1 - F2 = \dots\dots\dots$

Ride height  $F1 - F3 = \dots\dots\dots$

#### Rear suspension

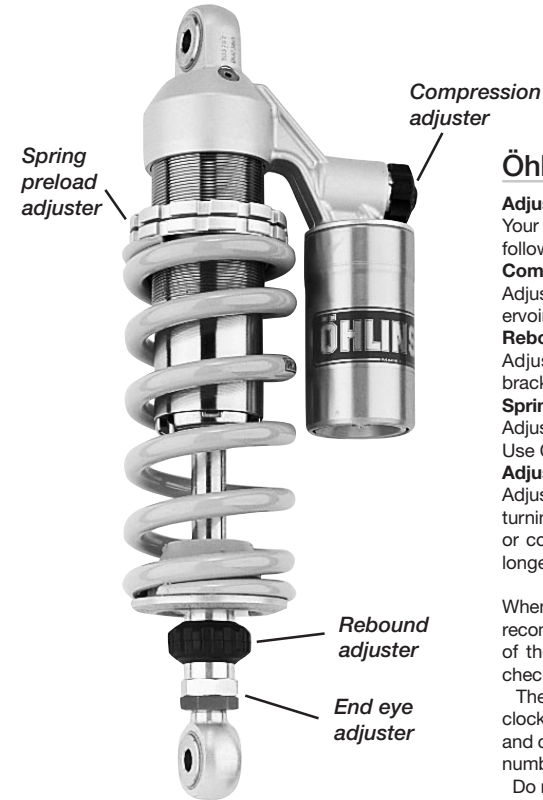
- R1. Bike on a stand with the suspension fully extended = .....
- R2. Bike on the ground without rider = .....
- R3. Bike on the ground with rider = .....

Free sag  $R1 - R2 = \dots\dots\dots$

Ride height  $R1 - R3 = \dots\dots\dots$

### NOTE!

If ride height is higher than recommended, softer spring/springs must be used.  
If ride height is lower than recommended, harder spring/springs must be used.  
Contact your Öhlins dealer for advice.



### Öhlins shock absorber 46 PRCL

#### Adjusters

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

#### Compression damping:

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

#### Rebound damping

Adjuster wheel on the piston shaft above the end bracket.

#### Spring preload

Adjustment made by screws on cylinder house. Use C-spanner.

#### Adjustable end eye

Adjustments are made by loosening the lock nut and turning the threaded end eye clockwise for shortening or counter clockwise for making the shock absorber longer.

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

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

DU 106. Issued 02 01 07



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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 46PRCL	1	DU106
Sticker Öhlins	2	00192-01
C-spanner	1	00710-02
Memo sticker	1	01180-01
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 instruction

### **1**

Put the motorcycle on the centre stand.

### **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, by loosening the nuts on the under side and remove the rear plastic cover.

### **3**

Loosen the original shock absorber from the rear and forward attachments.

### **4**

Attach the Öhlins shock absorber in reverse order. Use the standard bolts. The gas reservoir is positioned backwards.

### **5**

Refit the rear cover and the 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.*

### **6**

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