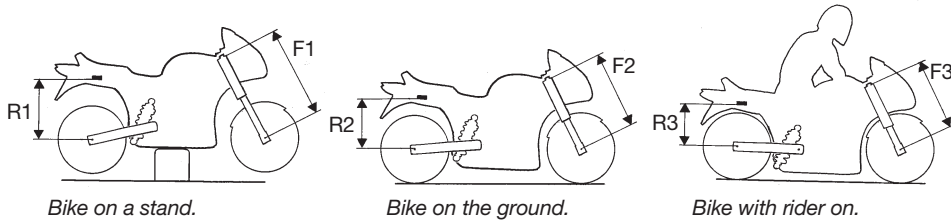


Owners Manual

Mounting instructions Öhlins shock absorber kit HO 151 for Honda CBR 600 F/S



Bike on a stand.

Bike on the ground.

Bike with rider on.

Setup data

Shock absorber length	307 mm
Shock absorber stroke	56.5 mm
Spring preload	15 mm
Rebound damping adjuster	12 clicks
High speed comp. damping adj.	30 clicks
Low speed comp. damping adj.	10 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 =

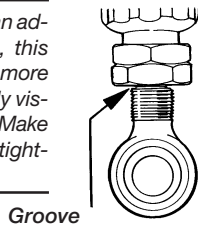
R3. Bike on the ground with rider =

Free sag R1 - R2 =

Ride height R1 - R3 =

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.



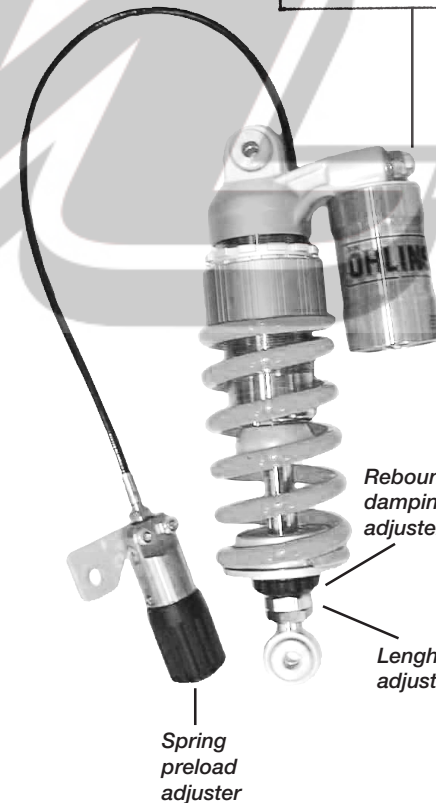
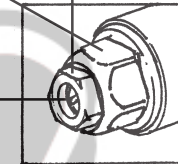
Groove

CAUTION!

Do not turn this hexagon.

High speed
compression
damping adj.

Low speed
compression
damping adj.



Öhlins shock absorber 46 PRXLS

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

Compression damping adjuster

Adjustments are made on top of the reservoir. Low speed adjustments: Slotted centre screw. High speed adjustments: Hexagon screw.

Rebound damping adjuster

Adjuster wheel on the piston shaft above the end bracket.

Spring preload adjuster

Adjustments are made by turning the knob on the hydraulic adjuster. Clockwise for harder adjustment, counter clockwise too release the preload.

Length adjuster

Adjustment is made by turning the end eye and tightening with the lock nut.

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 the damping adjusters clockwise to fully closed (pos. zero [0]). Turn counter clockwise to open and count the clicks until you reach the recommended number of clicks. See Setup data at page 4.

CAUTION!

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



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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. If anything is missing, contact your Öhlins dealer.

Description	Pcs.	Part No.
Shock absorber 46 PRCLS	1	HO 151
Tie-rop	2	00231-01
Bolt	1	01046-25
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 instruction

1

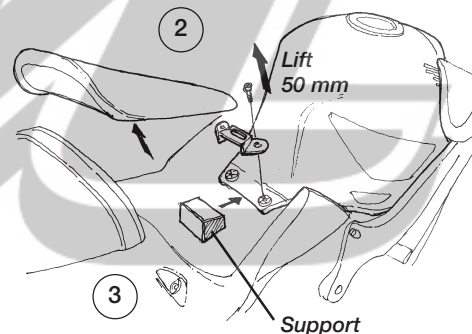
Put the motorcycle on a stand so the rear wheel is of the ground. Make sure it's steadily positioned and will not fall over. The center stand is excellent if it is raised a few inches.

WARNING!

1. It's advisable to have an Öhlins dealer or other qualified person to fit your shock absorber.
2. Instructions in the motorcycle workshop manual are to be followed when changing the shock absorber.
3. When working on the motorcycle it must be securely supported to prevent it from falling over.

2

Unlock the seat and remove it.



3

Loosen the bolts for the rear gas tank bracket according to the picture. Lift it up around 50 mm and put a support in between to hold the rear end of the tank. Loosen the reservoir for the standard shock absorber.

4

Remove the upper and lower shock absorber mounting bolts.

NOTE!

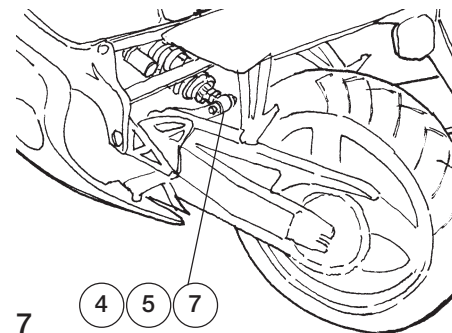
The upper bolt can be easily reached if the back of the gasoline tank is lifted up.

5

Remove the shock absorber backwards and out on the left side of the motorcycle.

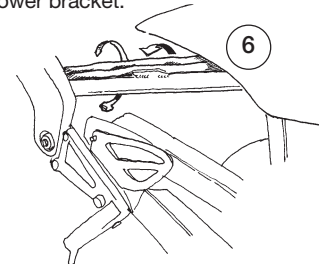
6

Loosen the cables inside the left side of the rear frame and turn them to the top of the frame secure them with tie raps.



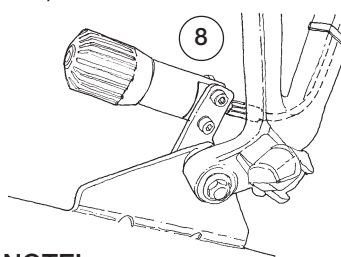
7

Fit the Öhlins shock absorber by positioning it from the rear. Fit the upper bracket first and then the lower bracket.



8

Fit the hydraulic spanner adjustment to the silencer bracket. Use the bolt provided (M8x50). Use tie raps to fix the hose.



NOTE!

Make sure that all bolts are tightened to the correct torque and that nothing fouls the shock absorber when the suspension is being fully compressed or extended.

9

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