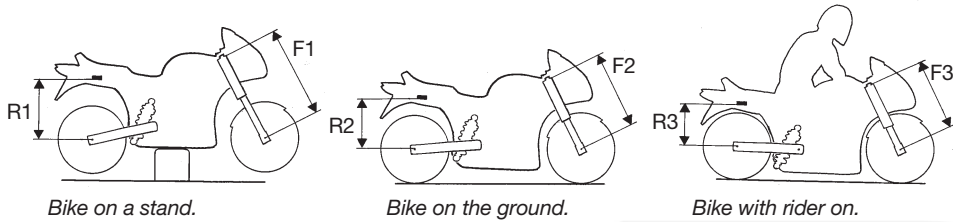


Mounting Instructions

Öhlins shock absorber kit
HO 518 for Honda CBR 1100 XX



Setup data

Shock absorber length	319 mm
Shock absorber stroke	52 mm
Spring pre-load	11 mm
Rebound damping adjuster	14 clicks
Compression damping adj.	12 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 =



Öhlins shock absorber 46 HRCS

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

Compression damping adjuster

Adjustments are made on top of the reservoir.

Rebound damping adjuster

Adjuster wheel on the piston shaft above the end bracket.

Spring pre-load adjuster

Adjustments are made by turning the knob on the hydraulic adjuster. Clockwise for harder adjustment, counter clockwise to release the pre-load.

NOTE!

When delivered the Öhlins shock absorber is dialed to recommended settings for the specific brand and make of the vehicle. If you have changed the settings, check like this:

The adjusters have a normal right hand thread. 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 last page.

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 HRCS	1	HO 518
Tie-rap	2	00231-01
Rubber mount	2	00230-03
Hose clamp	2	00643-02
Screw M8x55	1	01046-27
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

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

3. The vehicle service manual must be referred to when installing the Öhlins shock absorber

Mounting instructions

1

Put the motorcycle on the centre stand so that the rear wheel is off the ground. Make sure it's steadily fixed so it will not fall over. Remove the seat and side covers. Loosen the gas tank to reach the upper shock absorber bolt.

⚠ WARNING!

- 1. It's advisable to have an Öhlins dealer 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 the bolt that connects the shock links, the lower shock mounting bolt, lift the rear wheel and remove the shock absorber downwards.

3

Mounting of the Öhlins shock absorber: Guide the hydraulic pre-load adjuster and the gas reservoir out on the left side of the bike. Mount the upper and lower shock mounting bolts and the linkage bolt. Check that they all are tightened.

4

Mount the reservoir with mounting rubbers (230-03) and hose clamps (643-02). (See illustration.)

5

The hydraulic pre-load adjuster shall be mounted at the silencer bracket. Remove one of the washers so that the nut locks. Tie up the hoses with the tie-raps (231-01). (See illustration.)

6

Mount the side covers 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.

7

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

