

Setup data

Length	390 mm
Stroke	118 mm
Preload	3 mm
Free spring length	240 mm

Front ride height

The basic spring preload is carefully set with highly skilled test riders. If you want to make an adjustment, start with the basic setting and return to it if you are not sure that your adjustment made an improvement for you.

Tip: Measure and note the spring length with the shock absorber fully extended, before and after changes.

NOTE!

It is of importance that this adjustment is carried out on a flat surface and the most correct setting is made indoors when the snowmobile is thawed out/ warmed

Rear ride height and suspension comfort

It is very important that the rear ride height is adjusted correctly. Due to the coupling device in the rear suspension, the rear ride height and comfort are linked together. If the ride height is not within the right range, the center and rear shock absorbers may start working parallel in unwanted situations, thus creating a too stiff suspension and a harsh ride.

Recommended rear ride height

When you sit on the snowmobile in riding position, wearing all your riding gear, we recommend the coupling adjuster free play to be equal in both directions (see fig.), assuming that the coupling adjuster is in its standard setting.

Increase or decrease the spring preload until you have reached the middle position of the coupling adjuster.

Of course, if you carry heavy luggage, or a passenger on a 2-seater, you will need to do this adjustment with these in place.

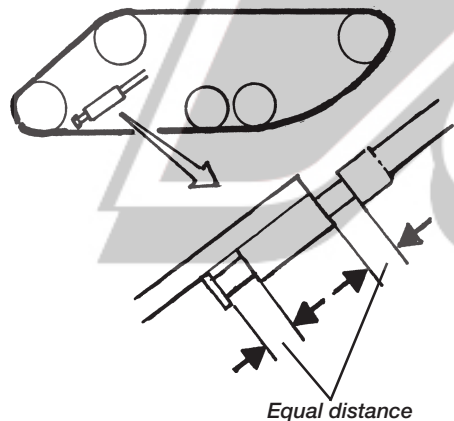
NOTE!

The spring preload affects the ride height, it does not affect bottoming.

It might be necessary to increase the rebound damping somewhat when using more spring preload than the delivered setting.

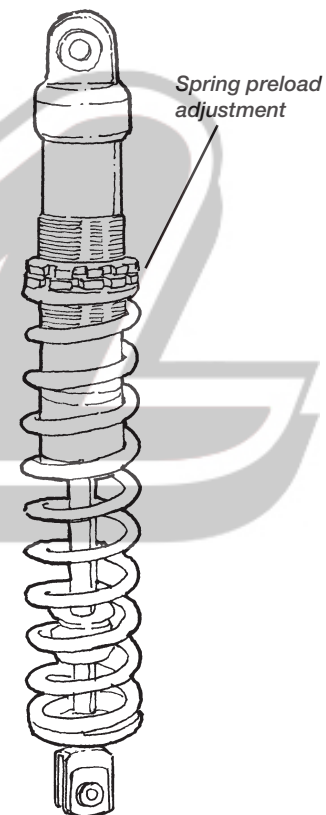
If you experience the suspension bottoming out too often, do not increase spring preload. It will not fix your problem, and your ride height might make your coupling adjuster run out of the range described above, thus creating a harsh ride. Instead, change to a stiffer spring and again adjust your spring preload as described above.

If you experience that the suspension is too stiff, do not decrease spring preload. It will not fix your problem, and your ride height might make your coupling adjuster run out of the range described above, thus creating a harsh ride. Instead, change to a softer spring and again adjust your spring preload as described above.



Owners Manual

Installation instructions Öhlins shock absorber kit YA 210 for Yamaha Mountain Max, front



Öhlins shock absorber type 36 D

Adjusters

Your Öhlins shock absorber type 36 D features the following adjusters:

Spring preload

Adjustments are made by turning the rings on the shock absorber body. Use C-spanner.

The preload is carefully set for the right balance and ski pressure in your snowmobile. Note the original position of the rings if you make an adjustment, so you easily can return to the well-tried setting.



Öhlins Racing AB, Box 722, S-194 27 Upplands Väsby, Sweden.
Phone +46 8 590 025 00. Fax +46 8 590 025 80.

www.ohlins.com

YA 210, issued 02 07 02

© Öhlins Racing AB. All rights reserved. Any reprinting or unauthorized use without the written permission of Öhlins Racing AB is prohibited. Printed in Sweden.



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.

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

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	1	YA 210
Sticker Öhlins	2	00192-01
C-spanner	1	00710-01
Owners manual	1	

Mounting instruction

1

Lift the front end of the snowmobile so the skis are free from the ground. Support it in a secure way so the snowmobile will not fall down.

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 upper and lower shock absorber bolts and remove the stock shock absorber

3

Fit the Öhlins shock absorber with the clevis attached to the upper bracket.

4

Fit the lower bracket.

5

Repeat the procedure on the opposite side of the snowmobile.

6

Continue your work according to the Öhlins Owners Manual, regarding adjustments.

NOTE!

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