



Kit Contents		
Description	Part No	Pcs
Shock absorber		2
Dust boot		2
Rubber seat		2
Top mount		2
Spring		2
Self-locking nut M10		2
MOUNTED ON SHOCK ABSORBER		
Adjuster		2
USED FOR BOTH FRONT AND REAR		
C-spanner		1
C-spanner		1
Öhlins sticker		1
Öhlins Owner's manual		1

Note!

Please note that there can be small differences between your product and the images in these instructions.

Note!

Please note that during storage and transport, especially at high ambient temperature, some of the oil and grease used for assembly may leak and stain the packaging. This will not cause damage to the product, wipe off the excessive oil or grease with a cloth.

Note!

Before you install this product, check the kit contents. If anything is missing, please contact an Öhlins dealer.

Warning!

Before you install this product, read the Öhlins Owner's manual. This product is an important part of the vehicle and the vehicle stability.

Shock absorber Kit for Mazda RX-8 (SE3P)

MAS M100S1 front

Mounting Instructions



MOUNTING INSTRUCTIONS

⚠ Warning!

We strongly recommend to let an Öhlins dealer install this product.

⚠ Warning!

If you work with a lifted vehicle, make sure that it is safely supported to prevent it from tipping over.

👁 Note!

When you work with this product, see the vehicle service manual for vehicle specific procedures and important data.

👁 Note!

Before you install this product clean the vehicle.

1

Raise the vehicle and put it on jack stands.

⚠ Warning!

Ensure that it is securely supported.

2

Remove the front wheels.

3

Remove the lower and the upper attachments and remove the original shock absorbers.

4

Fit the dust boot, the spring, the rubber seat, the lower bearing spacer the top mount, the upper bearing spacer, the self-locking nut and the adjuster according to fig 1.

Tighten the self-locking nut nut to 30 Nm and tighten the lower spring seat and the lock nut to 50-60 Nm.

👁 Note!

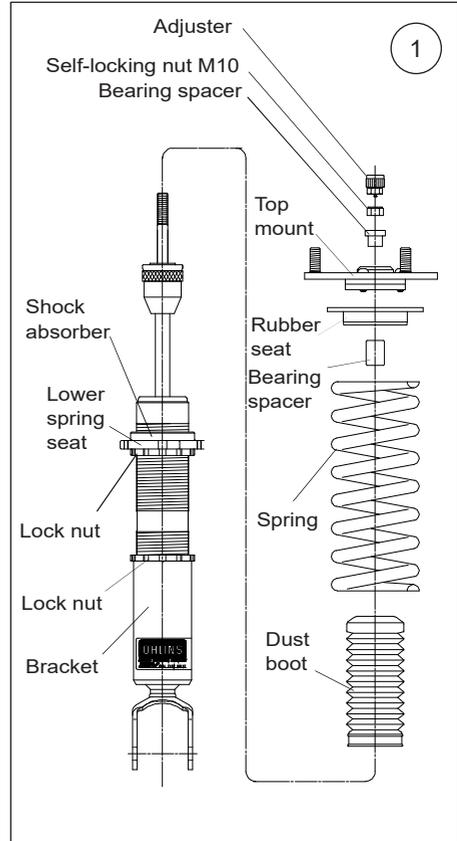
When tightening the top mount nut, the shock absorber shaft must be held in position with a 4 mm Allen key.

5

Install the Öhlins shock absorbers on the vehicle.

6

Fasten the upper attachments.



MOUNTING INSTRUCTIONS

Note!

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

7

Make sure that all removed parts are reinstalled in the same way as they were before the installation of the Öhlins shock absorber.

ADJUSTMENTS

⚠ Warning!

Before you ride/drive, always make sure that the setup is according to the recommended setup data. Read about adjustments and setting up in the Öhlins Owner's Manual before you make any adjustments. Contact an Öhlins dealer if you have any questions about setting up.

The standard preload is 2 mm from a free length of 200 mm, giving 198 mm installed length, see fig 2.

SETUP DATA

Length	508	mm
Rebound	10	clicks
Spring preload	2	mm

Spring

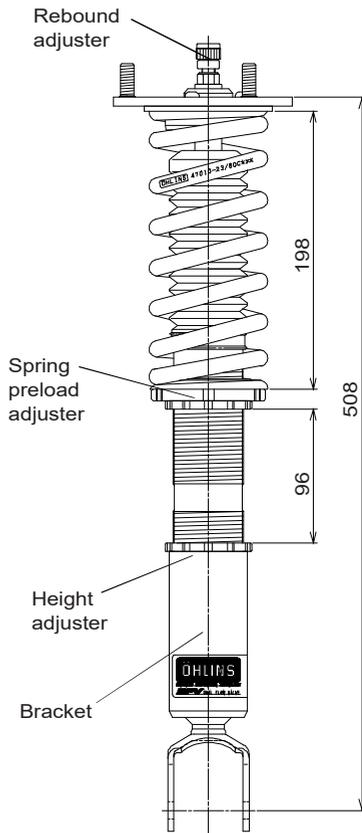
47010-23 (80N/mm)

The actual vehicle height

With both the preload and height adjustments in their standard positions, the vehicle is lowered approximately 35 mm when compared to the original suspension. As the height adjuster is turned one rotation, the position moves 1.5 mm.

⚠ Warning!

The adjustment range is the standard position ± 15 mm. If the bracket is moved outside the adjustment range, it may come loose.



Öhlins products are subject to continuous improvement and development, therefore, although these instructions include the most up-to-date information available at the time of printing, minor updates may occur.

To find the latest information contact an Öhlins distributor. Please contact Öhlins if you have any questions regarding the contents in this document.

Part no. MI_MAS M100S1_0
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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



Kit Contents		
Description	Part No	Pcs
Shock absorber		2
Spring		2
Washer		2
Screw M4		2
Control wire		2
Adjustment knob		2
Self-locking nut M10		2
Grommet		2
Allen key		1
Bushing spacer		4
MOUNTED ON SHOCK ABSORBER		
Adjuster		2
USED FOR BOTH FRONT AND REAR		
C-spanner		1
C-spanner		1
Öhlins sticker		1
Öhlins Owner's manual		1

👁 Note!

Please note that there can be small differences between your product and the images in these instructions.

👁 Note!

Please note that during storage and transport, especially at high ambient temperature, some of the oil and grease used for assembly may leak and stain the packaging. This will not cause damage to the product, wipe off the excessive oil or grease with a cloth.

👁 Note!

Before you install this product, check the kit contents. If anything is missing, please contact an Öhlins dealer.

⚠ Warning!

Before you install this product, read the Öhlins Owner's manual. This product is an important part of the vehicle and the vehicle stability.

Shock absorber Kit for Mazda RX-8 (SE3P)

MAS MI00S1 rear

Mounting Instructions

MOUNTING INSTRUCTIONS

⚠ Warning!

We strongly recommend to let an Öhlins dealer install this product.

⚠ Warning!

If you work with a lifted vehicle, make sure that it is safely supported to prevent it from tipping over.

👁 Note!

When you work with this product, see the vehicle service manual for vehicle specific procedures and important data.

👁 Note!

Before you install this product clean the vehicle.

1

Raise the vehicle and put it on jack stands.

⚠ Warning!

Ensure that it is securely supported.

2

Remove the rear wheels.

3

Remove the lower and the upper attachments and remove the original shock absorbers.

4

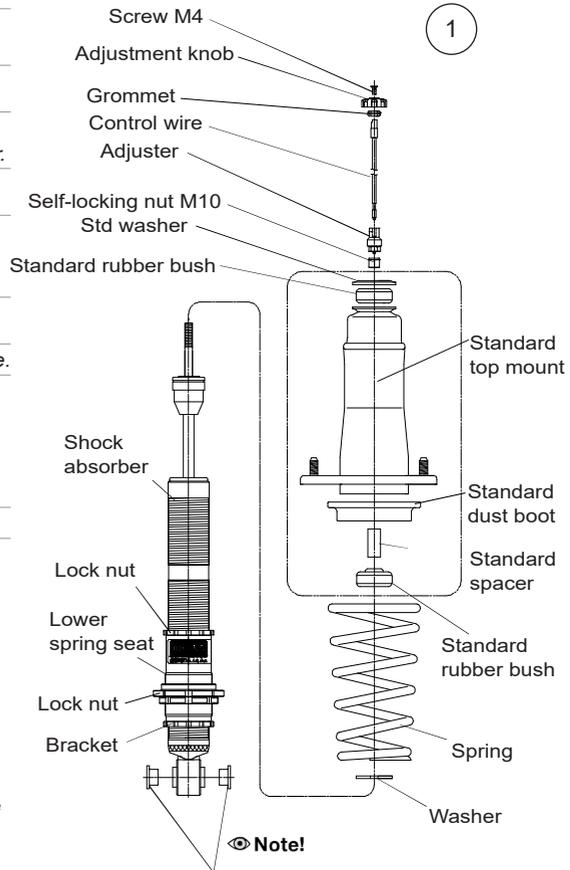
Tighten the lower spring seat and the lock nut to 50 - 60 Nm. Fit the bushing spacers, the dust boot, the spring, the top mount and the adjuster according to fig 1. Tighten the self-locking nut to 20 Nm.

👁 Note!

When tightening the top mount nut, the shock absorber shaft must be held in position with a 4 mm Allen key.

5

Install the Öhlins shock absorbers on the vehicle.



MOUNTING INSTRUCTIONS

6

Do the installation work of the control wire according to the following procedures.

1. Pass the control wire from the trunk room according to fig 2, 3.
2. Install the control wire in the adjuster according to fig 3.
3. Install the Öhlins shock absorbers on the vehicle, and support the shock absorber at the position according to fig 4.
4. Install the adjuster in the shock absorber.
5. Fasten the lower attachment.
6. Lift the shock absorber, and fasten the upper attachment.
7. Install the adjustment knob on the control wire after passing the control wire through the grommet according to fig 5.

👁 Note!

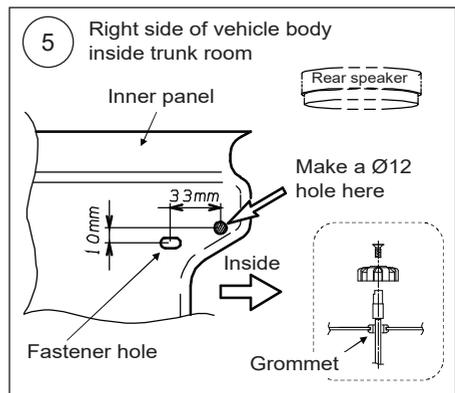
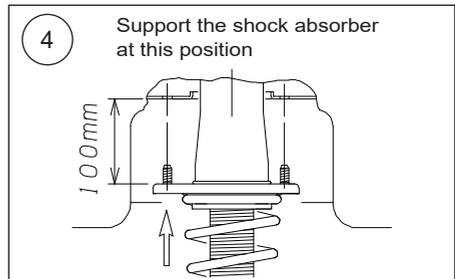
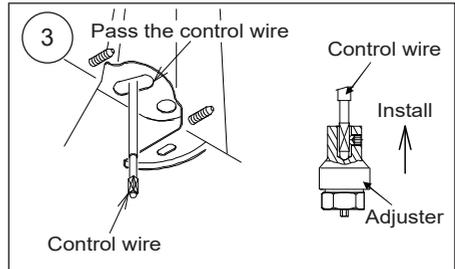
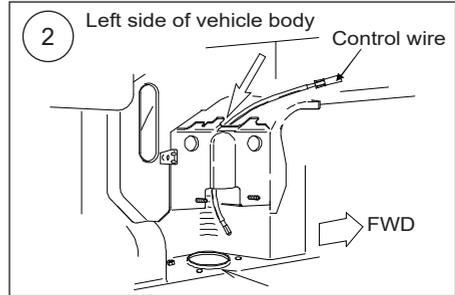
When installing the control wire, a second person is necessary to help with supporting the shock absorber in the position of fig 4.

👁 Note!

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

7

Make sure that all removed parts are reinstalled in the same way as they were before the installation of the Öhlins shock absorber.



ADJUSTMENTS

⚠ Warning!

Before you ride/drive, always make sure that the setup is according to the recommended setup data. Read about adjustments and setting up in the Öhlins Owner's Manual before you make any adjustments. Contact an Öhlins dealer if you have any questions about setting up.

The standard preload is 2 mm from a free length of 200 mm, giving 198 mm installed length, see fig 6.

SETUP DATA

Length	320	mm
Rebound	10	clicks
Spring preload	2	mm

Spring

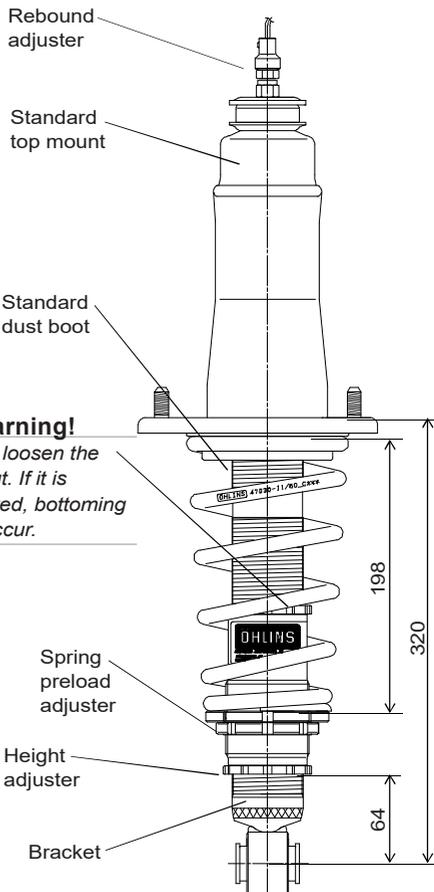
47030-11 (50N/mm)

The actual vehicle height

With both the preload and height adjustments in their standard positions, the vehicle is lowered approximately 35 mm when compared to the original suspension. As the height adjuster is turned one rotation, the position moves 1.5 mm.

⚠ Warning!

The adjustment range is the standard position -15 to +10 mm. If the bracket is moved outside the adjustment range, it may come loose.



Öhlins products are subject to continuous improvement and development, therefore, although these instructions include the most up-to-date information available at the time of printing, minor updates may occur.

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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