



Kit contents			
	Description	Part No	Pcs
1	Shock absorber	POS 5Z20	2
2	ABS cord bracket	25619-01	2
3	Sleeve	24638-01	2
4	Dust boot	10216-01	2
5	Plastic spring spacer	25602-01	2
6	Spring	47010-15	2
7	Rubber spring spacer	25601-01	2
8	Lock nut M14	24627-04	2
9	C-spanner	24639-04	1
10	C-spanner	24639-01	1
11	Öhlins sticker kit	10207-01	1
12	Öhlins owners 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!

On some models 5 mm wheel spacers may be necessary for correct installation.

👁 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 Porsche 911 Carrera (997)

POS MZ20S1 *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.

2

Remove the front wheels.

3

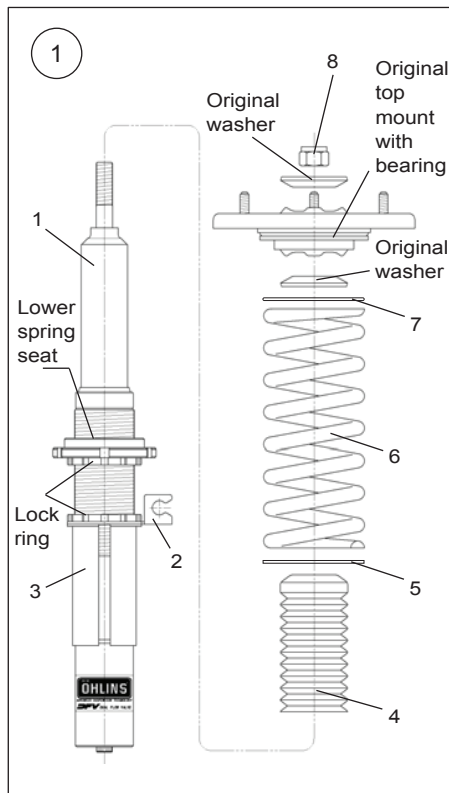
Loosen the bolts for the lower strut attachments.

👤 Caution!

Support the wheel hubs in an appropriate way on each side of the vehicle so that the brake hoses can not be damaged.

4

Loosen the upper attachments, remove the original struts from the car.



MOUNTING INSTRUCTIONS

5

According to figure 1: Fit the ABS cord bracket (2), The sleeve (3) and push them up against the lock ring. Fit the Dust boot (4), the plastic spring spacer (5), the spring (6), the rubber spring spacer (7), the lower original washer, the original top mount with bearing and without original upper spring rubber, the upper original washer and the M14 lock nut (8) to the shock absorber. Tighten the lock nut (8) to 40 Nm.

Note!

When tightening the top mount nut, the shock absorber shaft must be held in position with a 6 mm Allen key.

6

Set the spring preload and length adjuster according to figure 5, tighten the lower spring seat and the lock ring to 50-60 Nm.

7

Install the Öhlins McPherson struts on the vehicle according to fig 2 and 3.

8

Fasten the upper attachments.

9

Raise the wheel hub with a jack to remove the freeplay of the lower strut attachment bolts before tightening them.

Note!

Make sure that all bolts are tightened to the correct torque and that nothing fouls or restricts movement of the strut when it is being fully compressed or extended. Test this over the whole steering range from lock to lock.

10

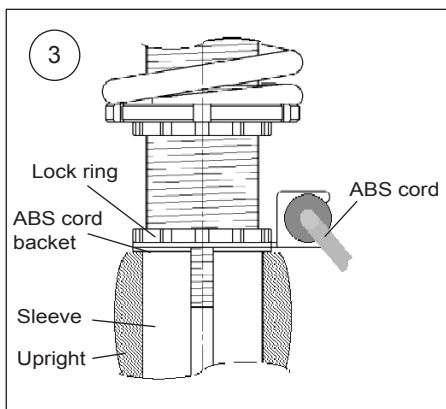
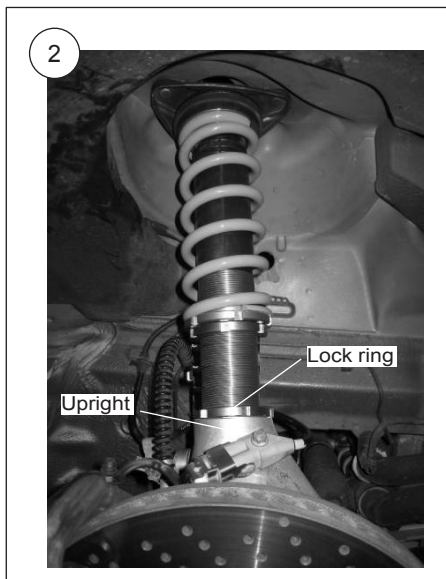
Tighten the lock ring to 40 - 50 Nm according to fig 3.

11

Mount the ABS cord according to fig 3.

12

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 5 mm from a free length of 200 mm, giving 195mm installed length, see fig 5.

SETUP DATA

Recommended set-up

Setting adjustment		
Track	2-7	clicks
Winding road	5-10	clicks
Street	10-20	clicks
Spring preload	5	mm

Recommended spring

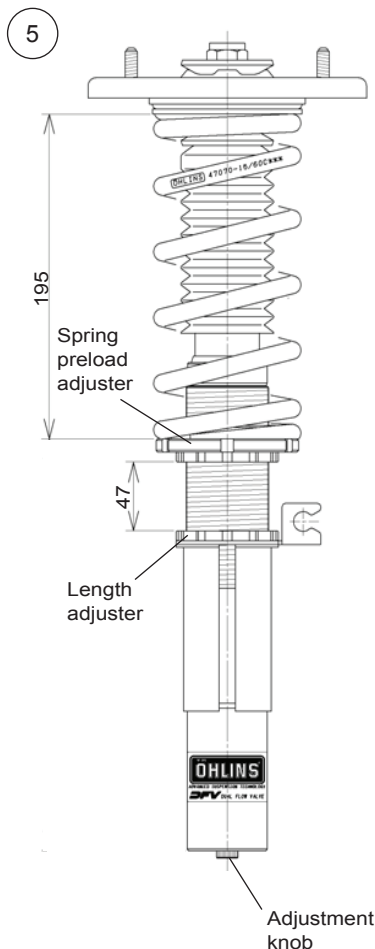
47010-15 (60 N/mm)

The actual vehicle height

With both the preload and length adjustments in their recommended positions, the vehicle is lowered approximately 20 mm when compared to the original suspension. As the length adjuster is turned one rotation, the position moves 1.5 mm.

⚠ Warning!

The adjustment range is the standard position ± 10 mm.



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.

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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
1	Shock absorber	POS 6I20	2
2	Dust boot	10216-01	2
3	Rubber spacer	24630-10	2
4	Spacer	24629-19	2
5	Plastic spring spacer	25602-01	4
6	Spring	47010-39	2
7	Upper spring seat	25618-01	2
8	Washer	24619-08	2
9	Lock nut M12	24618-04	2

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!

On some models 5 mm wheel spacers may be necessary for correct installation.

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 Porsche 911 Carrera (997)

POS MZ20S1 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.

👁 Note!

If the car is equipped with the BOSE loud speaker system you will need a wire adjuster. Parts need to be ordered separately

Part numbers:

24631-01 (1 pc/side)

24632-02 (1 pc/side)

24633-01 (1 pc/side)

24633-02 (1 pc/side)

1

Raise the vehicle and put it on jack stands.

⚠ Warning!

Ensure that it is securely supported.

2

Remove the rear wheels.

3

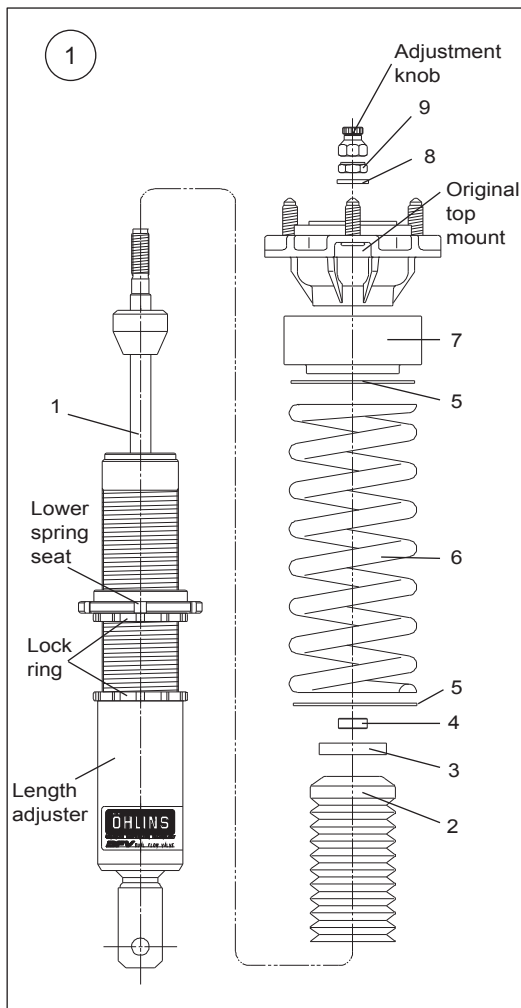
Remove the lower and the upper attachments and remove the original shock absorbers.

4

Cut the dust boot 40 mm from the lower end with a pair of scissors according to fig 2.

5

According to figure 1, fit the dust boot (2), the rubber spacer (3), the spacer (4), the plastic spring spacer (5), the spring (6), the plastic spring spacer (5), the upper spring seat (7), the original top mount, the washer (8) and the M12 lock nut (9). Tighten the lock nut (9) to 30Nm and fit the adjustment knob.



⚠ Caution!

When tightening the lock nut, the shock absorber shaft must be held in position with a flat screwdriver.

MOUNTING INSTRUCTIONS

6

Set the spring preload and length adjuster according to figure 4, tighten the lower spring seat and the lock ring to 50-60 Nm.

7

Install the Öhlins shock absorbers on the vehicle.

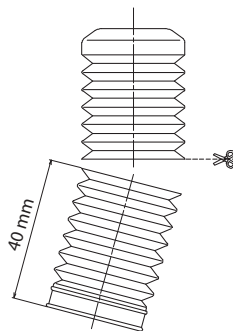
8

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

👁 **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.

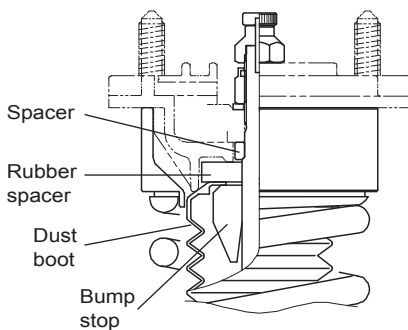
2



3

👁 **Note!**

Install the boot between the rubber spacer and the bump stop.



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 4.

SETUP DATA

Recommended set-up

Setting adjustment		
Track	2-7	clicks
Winding road	5-10	clicks
Street	10-20	clicks
Spring preload	2	mm

Recommended spring

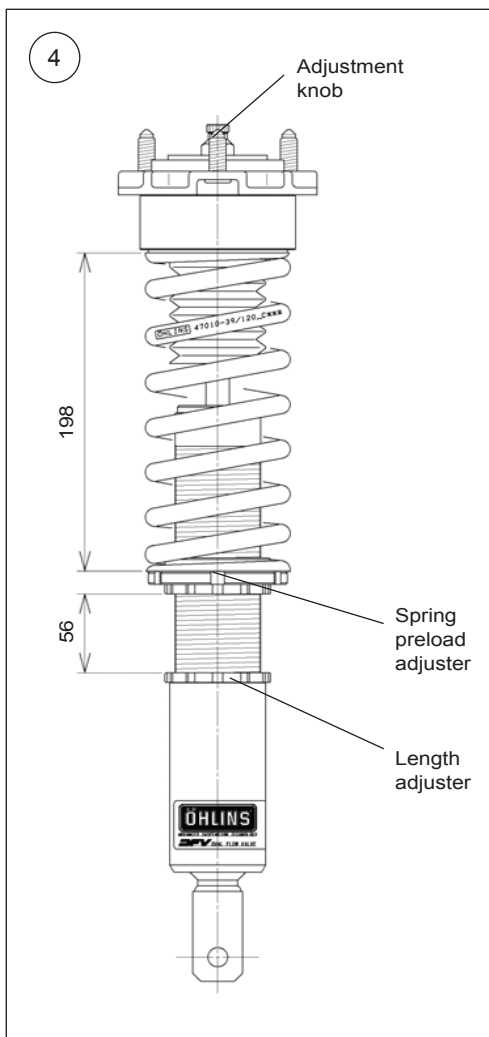
47010-39 (120 N/mm)

The actual vehicle height

With both the preload and length adjustments in their recommended positions, the vehicle is lowered approximately 20 mm when compared to the original suspension. As the length adjuster is turned one rotation, the position moves 1.5 mm.

⚠ Warning!

The adjustment range is the standard position -8 to +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.

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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



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