

👁 Note!

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

Kit Contents

Description	Part No	Pcs
Shock absorber	PI 302	1
Bracket	60130-07	2
Screw M10x60	64628-01	1
Screw M8x55	01046-27	2
Washer 10.5/20/2	60426-01	1
Nut M10	00430-01	1
Nut M8	00430-05	2
Tool preload adjuster	03199-03	1
Sticker set "ÖHLINS"	10207-01	1
Owners manual	07241-02	1
Alternative spring		
Spring 180/prog.19-27N/mm	60001-05	1

👁 Note!

Please note that this image is a general representation of the product and may differ slightly from your product.

👁 Note!

Please note that during storage and transportation, especially at high ambient temperature, some of the oil and grease used for assembling may leak and stain the packaging. This is in no way detrimental to the product, wipe off the excessive oil/grease with a cloth.

⚠ Warning!

Before installing this product, read the Öhlins Owner's Manual. The shock absorber is an important part of your vehicle and will affect the stability.

Rear Shock Absorber for Vespa S 125/ LX 125 - Rear

PI 302

Mounting Instructions

MOUNTING INSTRUCTIONS

⚠ Warning!

It is advisable to have an Öhlins dealer install the shock absorber.

⚠ Warning!

If working on a raised vehicle, ensure it is securely supported so that it will not tip over.

👁 Note!

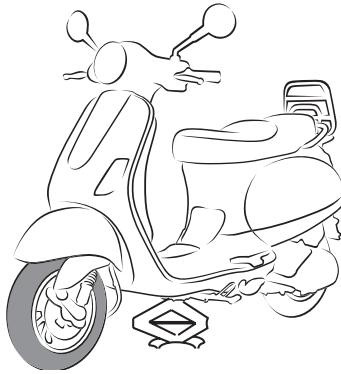
When working on this product, always see the Vehicle Service Manual for vehicle specific procedures and important data.

👋 Caution!

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

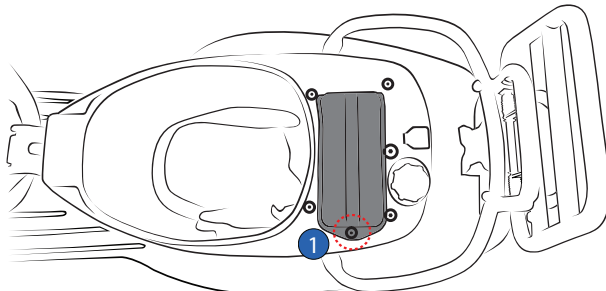
1

Put the motorcycle on a work stand so that the rear wheel barely touches the ground. Make sure the motorcycle is in a stable position.



2

Open the seat. Loosen the screws ① and the battery cap in order to remove the under-seat compartment.



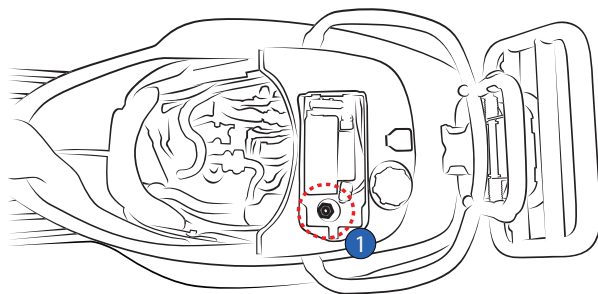
MOUNTING INSTRUCTIONS

3

Remove the shock absorber top mounting nut ①.

👁 **Note!**

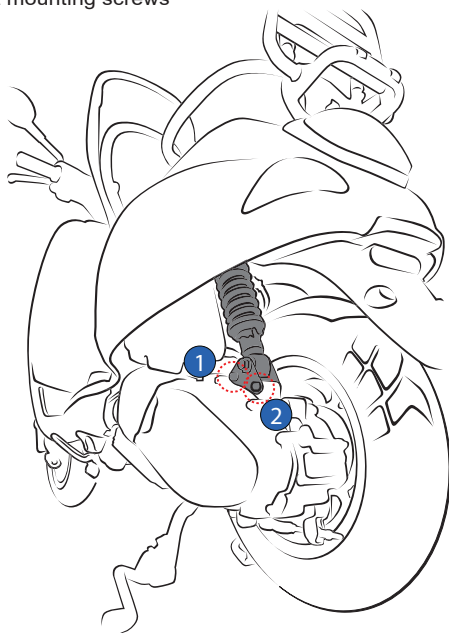
Do not drop / lose any component: it has to be re-installed on Öhlins shock absorber in the same order as it was on the standard shock absorber.



4

Remove the standard shock absorber by loosening the 2 bracket mounting screws ① ②.

① ②.



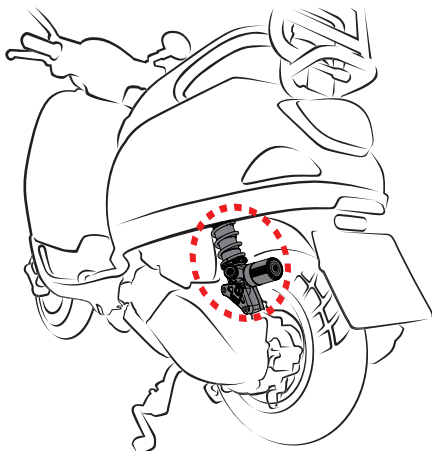
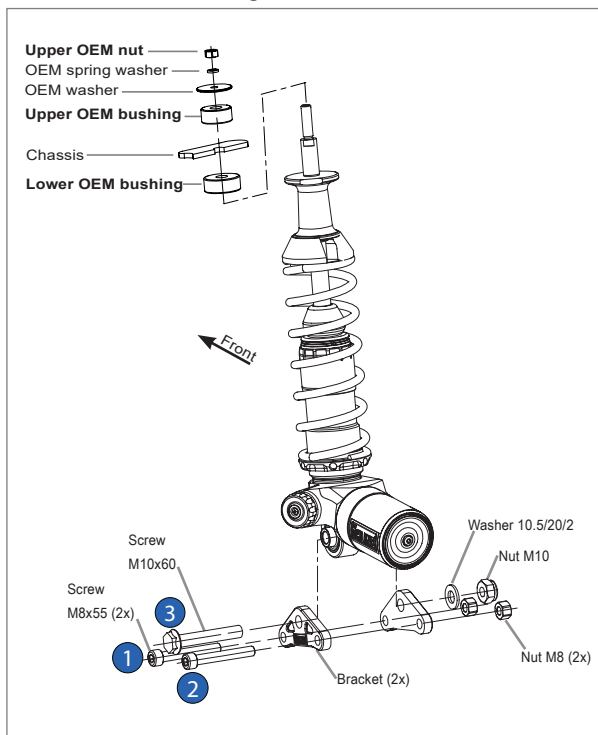
MOUNTING INSTRUCTIONS

5

Prior assembling the Öhlins shock absorber on the motorcycle, install :

- The OEM nut on the top stud.
- The Lower OEM bushing on the top stud.

Diagram 1



Tighten the screw ① ② ③ and upper OEM nut at a torque value as per Vespa service

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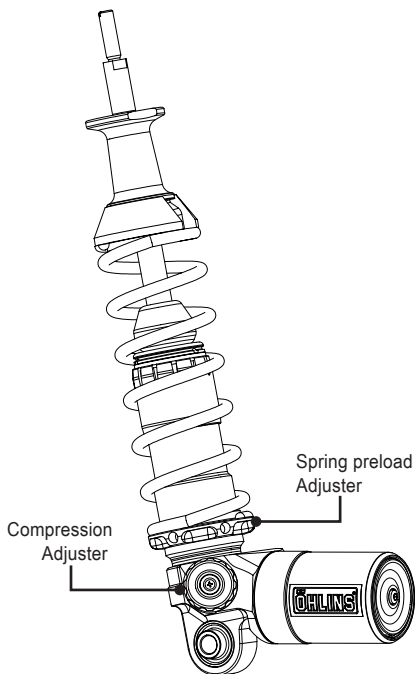
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ADJUSTMENTS

⚠ Warning!

Before riding, always make sure that the basic settings made by Öhlins are according to recommended Set-up 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.



SET-UP DATA

Recommended set-up

Spring Preload 17 mm
Compression Adjuster 15 clicks

Shock absorber data

Length 297.5 mm
Stroke 77.5 mm

Spring

Part No 60001-08
Free spring length 180 mm
Spring rate prog 16.5-26.5 N/mm
Preload adjustment range [13-22]mm
For rider's weight Below 80 kg

Installed spring

Part No 60001-05
Free spring length 180 mm
Spring rate prog 19-27 N/mm
Preload adjustment range [13-22] mm.
For rider's weight Above 80 kg

Alternative Spring

Part No 60001-05
Free spring length 180 mm
Spring rate prog 19-27 N/mm
Preload adjustment range [13-22] mm.
For rider's weight Above 80 kg

👁 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_PI 302_EN_0
Issued 2023-06-19

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