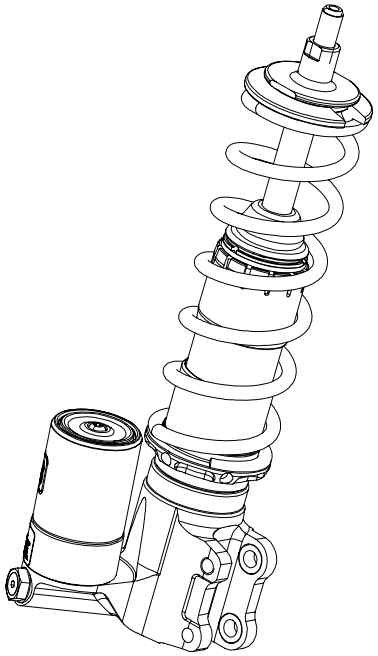


Note!

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 811	1
Screw M8x40	01046-21	2
Sticker set "ÖHLINS"	10207-01	1
Tool preload adjuster	03199-03	1
Owner's manual	07241-02	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.

Shock Absorber for Vespa Sprint 150 ABS Black line- Front

PI 811

Mounting Instructions

ÖHLINS
ADVANCED SUSPENSION TECHNOLOGY

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.

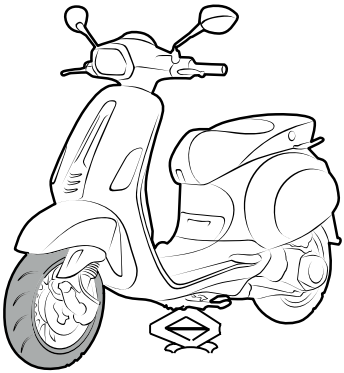
Caution!

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 front wheel barely touches the ground. Make sure the motorcycle is in a stable position.

1-2



2

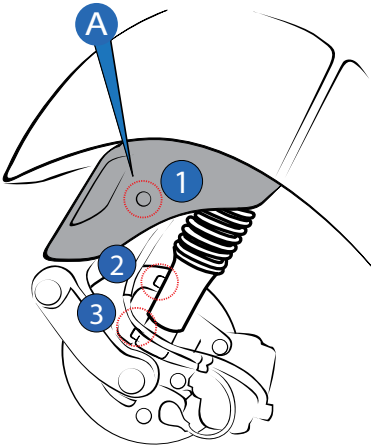
Remove the front wheel as per motorcycle service manual instructions.

3

Untighten the screw 1 in order to remove the plastic cover A.

Untighten the shock absorber lower mounting screws (2), (3).

3

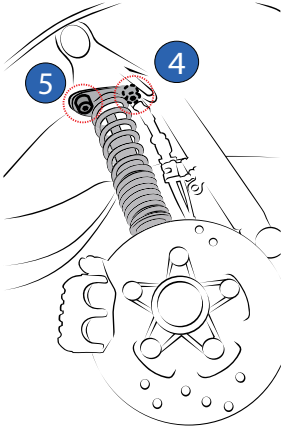


MOUNTING INSTRUCTIONS

4

Remove the standard shock absorber by loosening the 2 top mounting screws (4), (5).

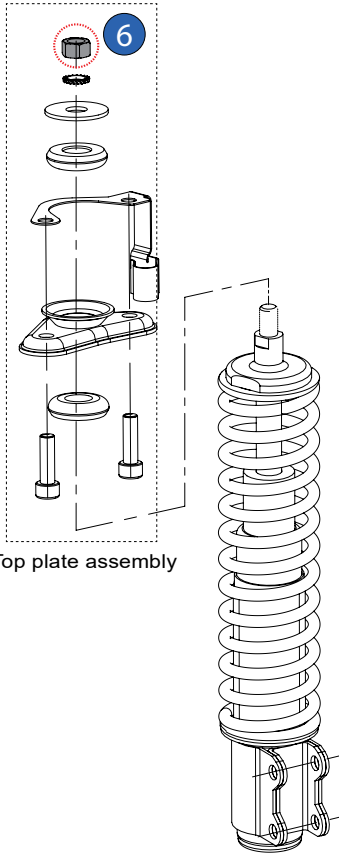
4



5

Remove the top plate from the standard shock absorber by loosening the nut (6).

5



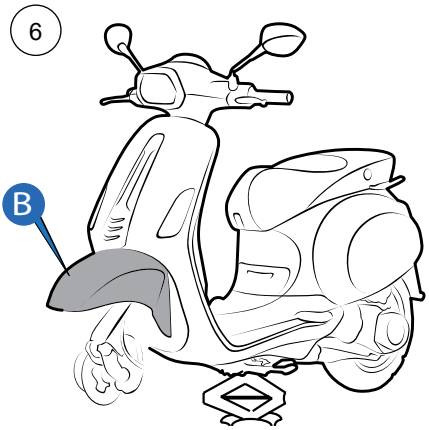
Top plate assembly

Note!

Some Vespa models requires the front fender to be modified in order to provide enough clearances towards the Öhlins shock absorber.

6

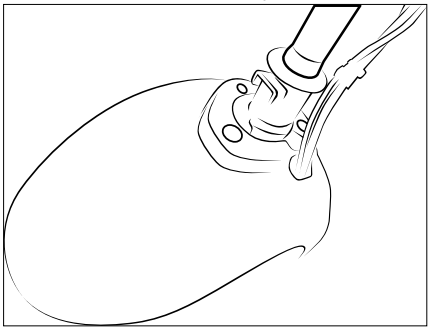
Remove the front fender B according to the Vespa service manual instructions.



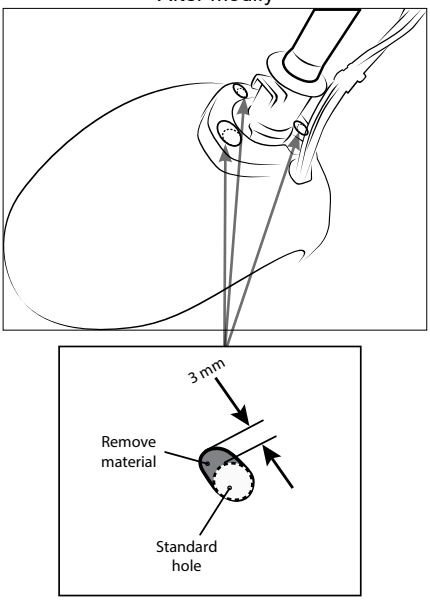
7

Modify the front fender according to diagram below

Before modify



After modify



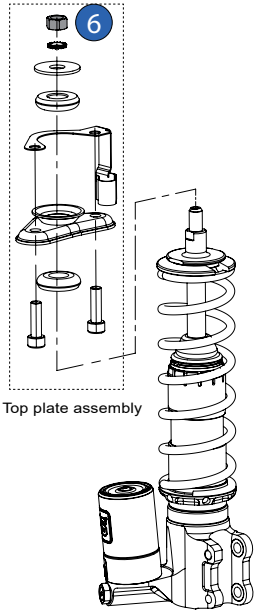
8

Re-install the front fender according to Vespa service manual instructions.

9

Install the standard top plate onto the Öhlins shock absorber. Tighten the nut (6) at a torque value as specified in the Vespa service manual instruction.

9



Top plate assembly

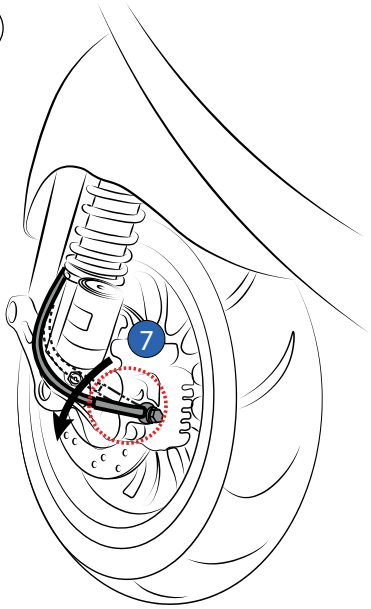
10

Loosen the brake line banjo bolt (7) and adjust its position so that it dosn't interfere with the Öhlins shock absorber.
Torque at value as specified in the Vespa service manual.

Note!

It is recommendable to service the motorcycle front braking system after performing the operation 10

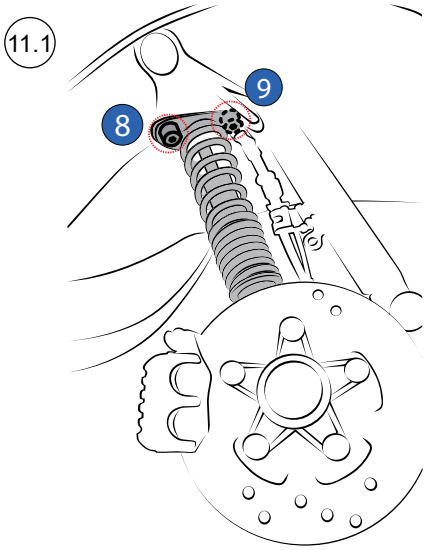
10



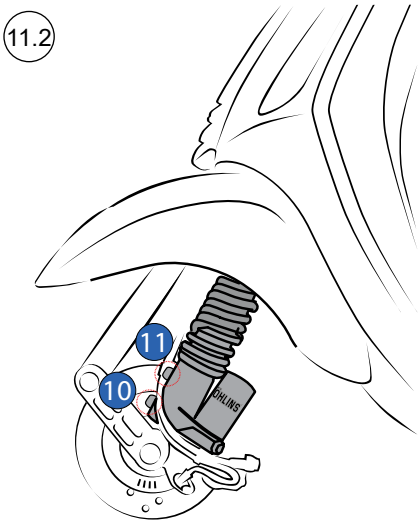
MOUNTING INSTRUCTIONS

11
Install Öhlins shock absorber by:

11.1 Tighten the top plate mounting screws (8), (9) at a torque value as per Vespa service manual instructions.



11.2 Tighten the lower mounting screws (10), (11) at 24 Nm. Use threadlocker (Eg. Loctite) to secure the screws positon.



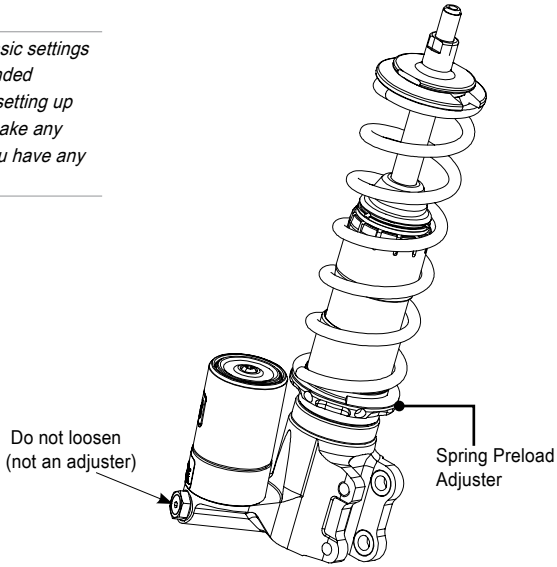
12
Reverse all the procedures as necessary

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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	6 mm

Spring

Part No	60001-18
Free spring length	180 mm
Spring rate	[17-27] N/mm
Preload adjustment range..	[3-20] mm

Shock absorber data

Length	263 mm
Stroke	72 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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