

Kit Contents		
Description	Part No	Pcs
Shock absorber	HO 646	1
Sticker set Öhlins		1
Sticker Memo notes	01180-01	1
Washer	21617-15	2
Owner's manual	07241-02	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 for Honda Africa Twin

HO 646

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

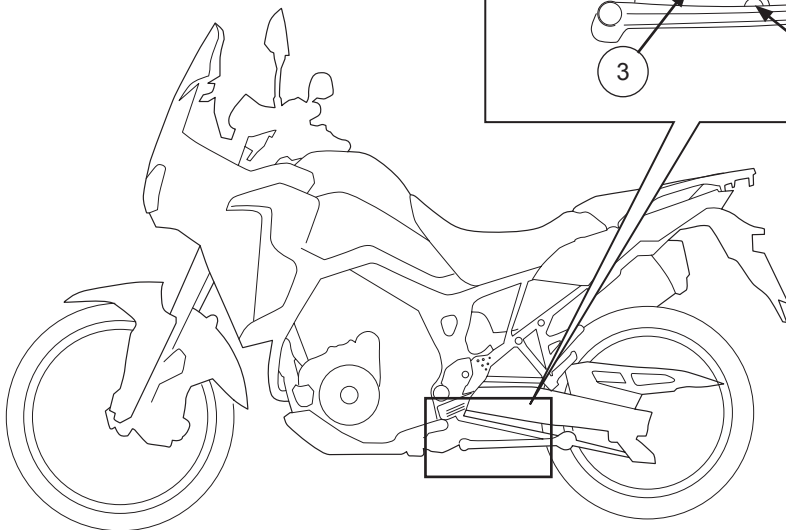
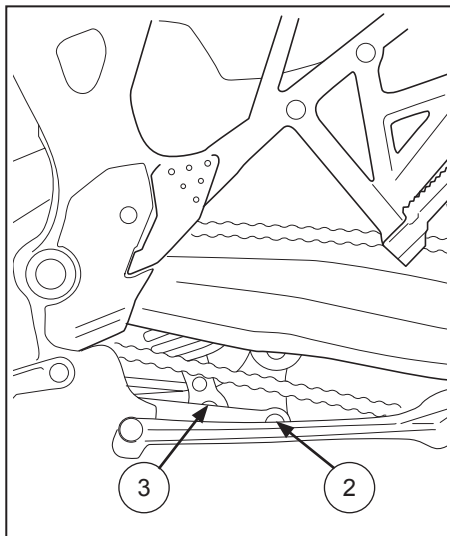
Put the motorcycle on the centre stand and put a support under the rear wheel.

2

Remove the screw connecting the triangle link and pull rods.

3

Remove the lower shock absorber screw.



MOUNTING INSTRUCTIONS

4

Loosen the voltage regulator and move it out of the way.

5

Remove the upper shock absorber screw.
Raise the swing arm and remove the shock absorber downwards.

6

Mount the Öhlins shock absorber in reverse order.

Note!

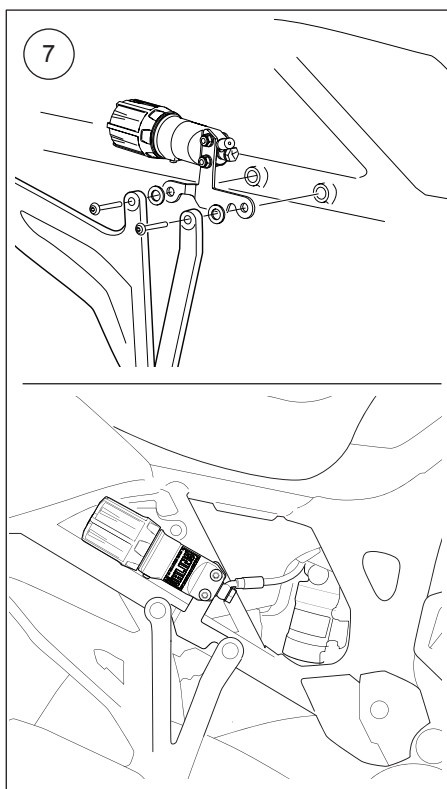
Lower the vehicle so that the suspension is slightly compressed before you tighten the screws.

7

Mount the hydraulic pre load master cylinder between the frame and the right passenger foot rest. Use original screws and put the supplied washers (21617-15) between the Öhlins bracket and the foot rest.

Caution!

Make sure that you tighten all screws to the correct torque and that nothing fouls or restricts movement of the shock absorber/front fork/steering damper when the suspension is fully compressed or extended.



ADJUSTMENTS

⚠ Warning!

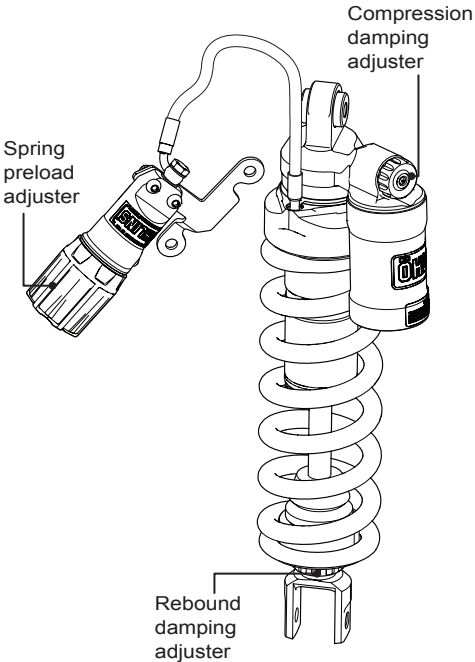
Before you ride/drive, always make sure that the setup is according to the recommended setup data. Read about adjustments and setting up in the Öhlins Owner's Manual before you make any adjustments. Contact an Öhlins dealer if you have any questions about setting up.

SETUP DATA

Shock absorber length	395	mm
Stroke	101	mm
Spring (part no.)	20580-31	
Spring rate	95	N/mm
Spring free length	250	mm
Spring preload	12	mm
Compression	10	clicks
Rebound	14	clicks

Recommended Free sag and Ride height

R1-R3	76	mm
F1-F3	90	mm



Alternative springs

Spring Part no	Spring rate (N/mm)	Load (most intended usage)
20580-36	105	Passenger or luggage > 30 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.

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