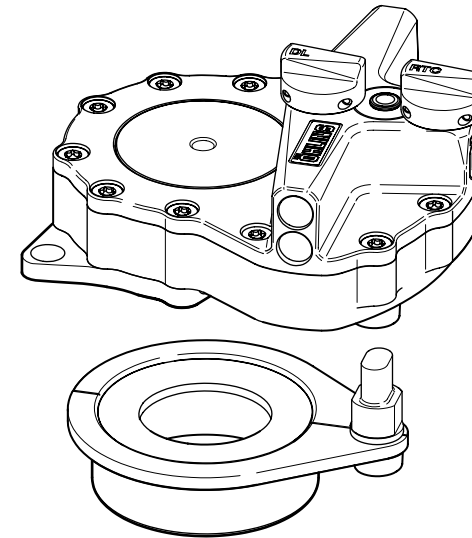


Before installing this product, check the contents of the kit. If anything is missing, please contact an Öhlins dealer.

Kit Contents

	Part No.	Pcs.
Steering damper	SD532	1
Bracket assy	15550-55	1
	15549-01	1
	00153-04	2
	00431-10	1
X-ring	01027-09	1
Tool	04970-01	1
Plug	15507-02	1
Washer	00153-04	1
Seal washer	15551-05	1
Screw	00382-31	2
Nut M6	00437-05	1
Screw	01046-06	1
Sleeve	02238-01	1
Cover	15558-01	1
Mounting Pattern Sticker	15560-03	1
Owner's Manual	07270-06	1



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 steering damper is an important part of your vehicle and will affect the stability.

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 your Öhlins distributor. Please consult your Öhlins dealer if you have any questions regarding the contents in this document.

Part no. SD532_0
Issued 2010-02-19



© Öhlins Racing AB. All rights reserved. Any reprinting or unauthorized use without the written permission of Öhlins Racing AB is prohibited.

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

Steering Damper for KTM 250/450 SX-F Husaberg FE 450570

SD 532

Mounting Instructions



⚠ Warning!

It is advisable to have an Öhlins dealer install the steering damper.

When installing, consult your Vehicle Service Manual.

⚠ Warning!

Make sure the vehicle is securely supported so that it will not tip.

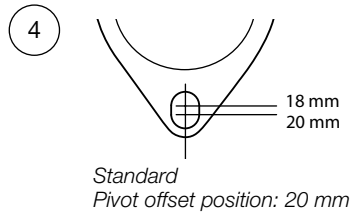


1
Put the motorcycle on a workstand. Remove the front wheel, front fork and triple clamps.

2
Remove the original upper steering stem nut and washer (you will not need these parts to install the Öhlins steering damper).

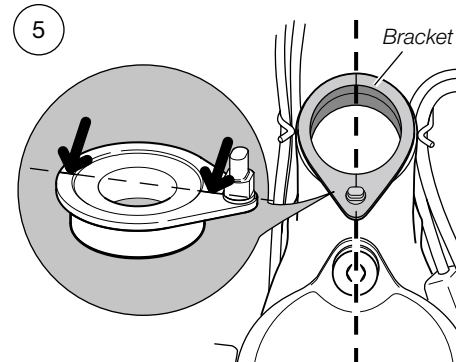
3
Remove the outer ring of the upper steering head bearing. Remove the original dust seal on the bearing, if any.

4
Depending on the offset, position the pivot according to figure 4. If you are not sure which offset you have - see your Vehicle Service Manual.
Tighten the screw to the pivot to 11 Nm. Use thread locking fluid.

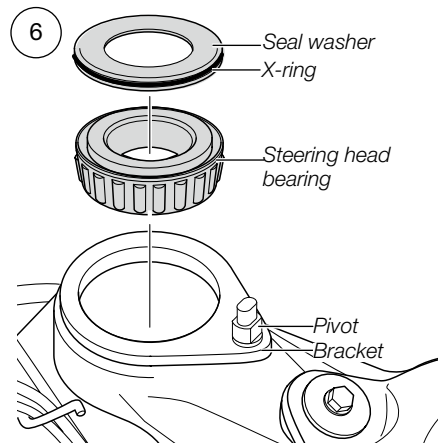


5
Replace the outer ring with the bracket provided. The bracket must be press fitted into the steering head, use proper tools.

⚠ Caution!
The bracket must be installed in a straight line. Follow the sight line on the bracket, see figure.



6
Apply some grease on the x-ring and install it (do not twist it) into the groove on the seal washer. Put grease and install the original steering head bearing and the seal washer provided (the provided seal washer replaces the original dust seal, if any). The flat side of the seal washer should be facing upwards, according to figure 6.



Recommended set-up

Motocross:

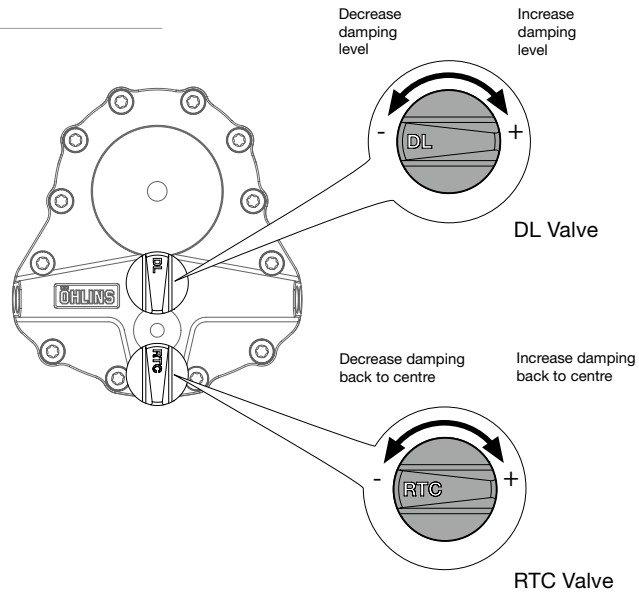
DL Valve 12 clicks
RTC Valve 6 clicks

Enduro:

DL Valve 12 clicks
RTC Valve 8 clicks

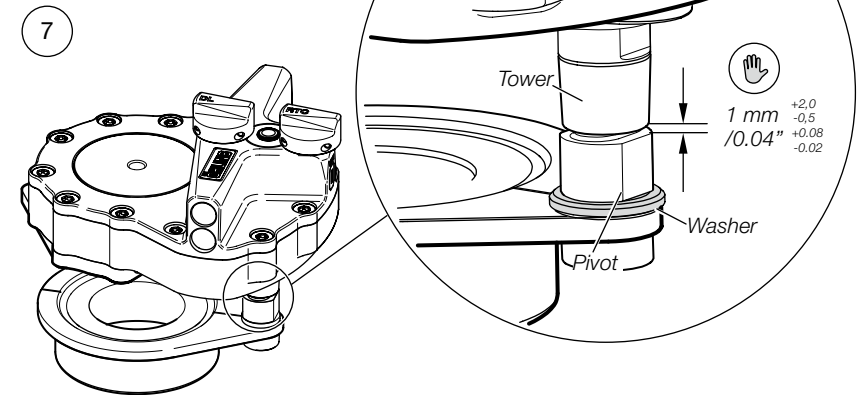
⚠ Warning!

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 the steering damper.



7

If needed, use washers between the pivot and the bracket to achieve the correct distance between the top of the tower and the pivot, see figure.



⚠ Caution!

The gap between the tower and the pivot must be 1 ⁺²/_{-0.5} mm. The tower must never touch the lower part of the pivot at any position between the steering stops. There must always be a visible gap. If washers are added/removed, retighten the tower to 11 Nm and use thread locking fluid.

⚠ Warning!

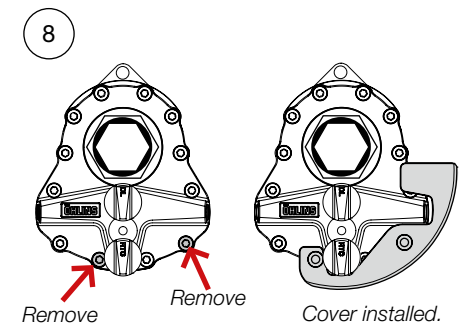
If the throttle cables interfere with the steering damper it may restrict operation of the handlebars. It is highly recommended that you install the cover, 15558-01 (included) to prevent this, and the excessive wear on the throttle cables, due to rubbing on the steering damper body.

8

Install the cover (15558-01): Remove the two screws (see figure). Put the cover in position and install the two screws (00382-31) included. Tighten to 4 Nm.

⚠ Caution!

Do not remove any other screws than the two indicated.



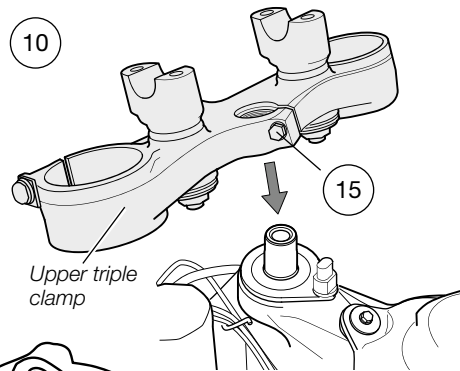
9

Put some grease inside the tower to avoid the noise that otherwise can occur.

How to install

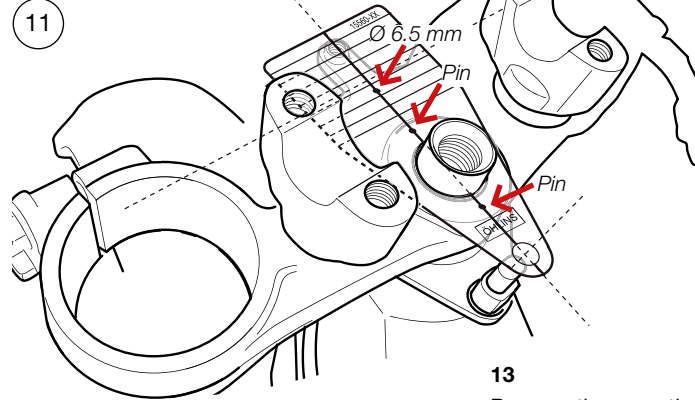
10

Reinstall the triple clamps and fork legs. Tighten the bolts on the lower triple clamp to recommended tightening torque according to your Vehicle Service Manual.



11

Use the adhesive Mounting Pattern Sticker to install the Öhlins Steering Damper. Use the lines on the sticker to install it straight. Make punch marks for the pins (red arrows), and for the middle $\text{Ø } 6.5 \text{ mm}$ ($\frac{1}{4}$ " hole (for the bracket sleeve).



12

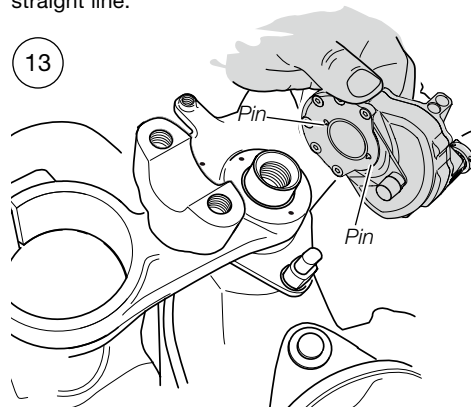
Drill a $\text{Ø } 6.5 \text{ mm}$ ($\frac{1}{4}$ " hole through the upper triple clamp, as indicated on the mounting pattern sticker.

Caution!

As with the bracket it is of critical importance that the damper is mounted in a straight line according to the figure. Since the two small pins will be pressed down into the upper triple clamp when the upper steering stem nut is tightened, it is important to make sure the damper sits straight before tightening.

13

Remove the mounting pattern sticker. Install the Öhlins Steering Damper. Make sure that the pins are in their correct positions. Again make sure that the damper is installed in a straight line.



13

14

Install the provided screw (01046-06), sleeve (02238-01) in the 6.5 mm ($\frac{1}{4}$ " hole and tighten the nut (00437-05), from underneath, to 15 Nm.

15

Tighten the slit screw to 30 Nm. (See fig. 10)

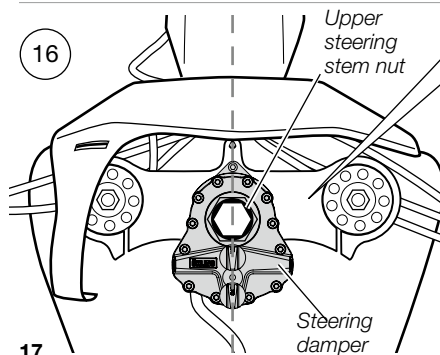
16

Use a torque wrench and tool 04970-01 (provided in this kit). Tighten the upper steering stem nut temporarily to 55 Nm. This will press down the pins into the triple clamp.

Note!

All threads on the upper steering stem nut will not be used, that is correct as long as the nut is tightened properly.

Recommendation: Minimum 4 [four] full turns of engagement.



17

First loosen the top nut, then the slit screw. Retighten the top nut to 10 Nm. Tighten the slit screw to 30 Nm. Now, continue tightening the top nut to 25 Nm.

18

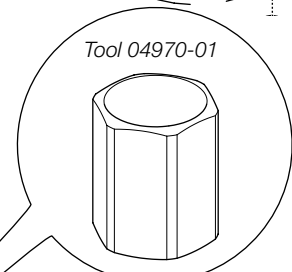
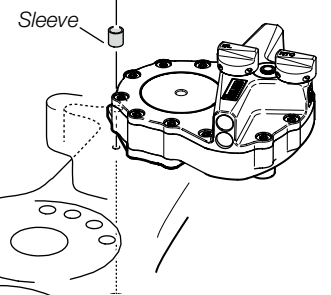
Make sure that the steering stops work properly. Tighten the upper triple clamp bolt to recommended tightening torque.

Caution!

The damper should not act as a steering stop since that can damage and possibly break the steering damper.

How to install

14



19

Reinstall all removed parts in reversed order.

20

Install the centre lid by pressing it into the hex opening. Use an M6 screw and a pair of pliers if you must remove the lid.

Caution!

Do not try to remove the lid with a screwdriver - the lid may break!

